

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
Associate Director for Diversity and Inclusion, Stanford Emmett Interdisciplinary Program in
Environment and Resources

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. Coordinated collaboration between ICDDR,B and the Centers for Disease Control and Prevention
3. Facilitated 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.

Service:

1. Chaired the committee that developed the successful proposal for a Master of Science in Epidemiology Program at the Aga Khan University.
2. Chaired the committee that restarted the Community Medicine Residency Program.
3. Directed the Information Services Unit for the Community Health Science Department
4. Directed the epidemiology unit, for the Community Health Science 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
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. Immunogenicity of three doses of bivalent, trivalent, or type 1 monovalent oral poliovirus vaccines with a 2 week interval between doses in Bangladesh: an open-label, non-inferiority, randomised, controlled trial. *Lancet Infect Dis.* 2015 Aug; 15(8):898-904.)
 - Best Paper in the Assessment Category, 2013 (senior author) (Sultana NK et al. Impact of introduction of the *Haemophilus influenzae* type b conjugate vaccine into childhood immunization on meningitis in Bangladeshi infants. *J Pediatr.* 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.* 2005 Jul 16-22; 366(9481):225-33.)
- *American Journal of Epidemiology* 2014 Article of the Year (co-author): Gurley ES et al. Indoor exposure to particulate matter and age at first acute lower respiratory infection in a low-income urban community in Bangladesh. *Am J Epidemiol.* 2014 Apr 15; 179(8):967-73.
- Favourite paper in infectious diseases, 2005. (Lancet Infectious Diseases, December 2005), (Luby SP et al. Effect of handwashing on child health: a randomised controlled trial. *Lancet.* 2005 Jul 16-22; 366(9481):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 Dec 1; 154(11):1020-8.)
- Nakano Award Manuscripts, Centers for Disease Control:
 - 2012 (Bowen A et al. Association between intensive handwashing promotion and child development in Karachi, Pakistan: a cluster-randomized, controlled trial. *Arch Pediatr Adolesc Med.* 2012 Nov; 166(11):1037-44.)

- 2007 (Chiller TM et al. Reducing diarrhoea in Guatemalan children: randomized controlled trial of flocculant-disinfectant for drinking-water. *Bull World Health Organ.* 2006 Jan; 84(1):28-35.)
- 2005 (Luby SP et al. Effect of intensive handwashing promotion on childhood diarrhea in high-risk communities in Pakistan: a randomized controlled trial. *JAMA.* 2004 Jun 2; 291(21):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 Oct; 69(4):411-9.)

Begum Rokeya Sakhawat Hossain Teaching Excellence Award, James P Grant School of Public Health, BRAC University, Inaugural award 2012 with repeat award in 2014, 2015 and 2017.

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.* 2009 Dec 12; 374:1961)

Work on Nipah virus profiled in *Science*. (Stone R. Breaking the chain in Bangladesh, *Science.* 2011 March 4; 331(6021):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 – 2017.

Coalition Against Typhoid, Chairperson, 2018 - 2020

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. Health and Economic Benefits of Water-Sensitive Revitalisation in informal Urban Settlements

Goal: Rigorously evaluate a new model for managing wastewater and floodwater in informal settlements in Suva, Fiji and Makassar, Indonesia
Funder: Wellcome Trust; \$508,187 (Stanford budget; >\$20 million total); 2017 - 2022
Investigators: Brown R, Wong T, Leder K, Luby SP, Chown S
Role: Co-Principal Investigator – Oversee the health outcome evaluation

2. 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 - 2018
Investigators: Colford JM, Arnold B, Fernald L, Haque R, Hubbard A, Kremer M, Luby SP, Null C, Unicomb L
Role: Co-Principal Investigator

3. 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 - 2019
Investigators: Colford JM, Luby SP, Nelson K, Unicomb L, Hubbard A, Arnold B, Pickering A, Ercumen A
Role: Co-investigator

4. Measurement of EED Biomarkers in WASH Benefits Trial specimens
 - Goal: Identify enteric pathogen infection prevented by water, sanitation, hygiene and nutrition intervention
 - Funder: Bill and Melinda Gates Foundation; \$589,219; 2017 - 2018
 - Investigators: Luby SP, Houpt E, Haque R
 - Role: Principal Investigator

5. Evaluation of a Typhoid Conjugate Vaccine Introduction Program in Navi Mumbai, India
 - Goal: Evaluate the effectiveness of a new typhoid vaccine introduction by the Navi Mumbai Municipal Corporation
 - Funder: Bill and Melinda Gates Foundation; \$509,976; 2017 – 2019
 - Investigators: Luby SP, Andrews J, Horng L
 - Role: Principal Investigator

6. Surveillance for Enteric Fever in Asia Project (SEAP) - Supplement
 - Goal: Population based surveillance for typhoid fever in Nepal, Bangladesh and Pakistan
 - Funder: Sabin Vaccine Institute; \$65,748; 2016 - 2018
 - Investigators: Andrews J, Luby SP, Yu AT
 - Role: Co-investigator

7. Comparing hospital hand hygiene in Liberia: soap, alcohol, and hypochlorite
 - Goal: Evaluating practical interventions to improve handwashing in Liberian hospitals
 - Funder: U.S. Navy; \$403,309; 2017 - 2020
 - Investigators: Luby SP, Horng LM
 - Role: Principal Investigator

8. Optimizing Ventilation to Improve Health
 - Goal: Developing ventilation interventions that improve air exchange in Dhaka slums
 - Funder: Unorthodox Philanthropy; \$500,000; 2017 - 2018
 - Investigators: Luby SP, Miller NG, Winch PJ, Ram PK, Nizame FA
 - Role: Principal Investigator

9. Health Effects of living near unimproved brick kilns and a path to improvement
 - Goal: Measure the risk of child and adult respiratory disease from living near a brick kilns in rural Bangladesh
 - Funder: Stanford Allergy Sensitivity Center / Pulmonary; \$200,000; 2017 - 2019
 - Investigators: Luby SP, Biswas D
 - Role: Principal Investigator

10. 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

11. Predictive simulations of ventilation rates to decrease respiratory illness in Bangladesh slums
 - Goal: Develop a ventilation model that will support building standards for homes in low income communities

- Funder: Stanford Woods Institute for the Environment; \$197,179; 2017 - 2019
Investigators: Gorle C, Luby SP
Role: Co-Principal Investigator
12. 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
13. 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 - 2020
Investigators: Rahman M, Luby SP, Winch PW, Fernald L, Stewart C, Mridha M, Tofail F
Role: Co-Principal Investigator
14. Environmental Arsenic Exposure, microbiome, and human health
Goal: Assess the impact of the microbiome on mediating the impact of arsenic exposure on health
Funder: National Institutes of Health; \$955,039; 2014 - 2018
Investigators: Relman D, Luby SP
Role: Co-investigator
15. 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 - 2018
Investigators: Sultana F, Alam M, Luby SP, Winch P, Tofail F, Unicomb L
Role: Co-investigator
16. 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 - 2018
Investigators: Unicomb L, Burgess W, Ahmed K, Titu M, Rahman M, Luby SP
Role: Co-investigator
17. Developing a Monitoring, Evaluation & Learning Framework for the Hilton Foundation's 2017-2021 Safe Water Strategy
Goal: Assess the impact of a district based strategy to provide water in 6 Sub-Saharan countries
Funder: Conrad N. Hilton Foundation; \$435,000; 2016 - 2018
Investigators: Davis J, Luby SP
Role: Co-investigator

18. 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
19. Molecular Monitoring of Domestic Wastewater for Community Health
 Goal: Extract microbiological information from the waste stream
 Funder: Stanford Bio-X; \$200,000; 2016 - 2018
 Investigators: Criddle C, Luby S
 Role: Co-investigator

Bibliography

Published work includes >350 original peer reviewed manuscripts including

- 42 as first author
- 137 as senior author
- 43 as second author
- 51 manuscripts represent the first scientific publication of the mentored first author.

Web of Science

- Hirsh index = 48
- 13 manuscripts cited > 100 times

In Press

1. Cortes MC, Cauchemez S, Lefrancq N, **Luby SP**, Hossain MJ, Sazzad HMS, Rahman M, Daszak P, Salje H, Gurley ES. Characterization of the spatial and temporal distribution of Nipah virus spillover events in Bangladesh 2007-2013. *J Infect Dis*. In Press.
2. Tofail F, Fernald LC, Das KK, Rahman M, Unicomb L, Arnold BF, Ashraf S, Winch PJ, Kariger P, Stewart CP, Colford JM, **Luby SP**. The effects of single and combined water, sanitation, hand washing and nutrition interventions on developmental outcomes of young children in rural Bangladesh: A cluster randomised trial. *Lancet Child Adolesc Health*. In Press.
3. Naser AM, Higgins E, Arman S, Ercumen A, Ashraf S, Das KK, Rahman M, **Luby SP**, Unicomb L. Effect of groundwater iron on residual chlorine in water treated with sodium dichloroisocyanurate tablets in rural Bangladesh. *Am J Trop Med Hyg*. In Press.
4. Huda TMN, Schmidt WP, Pickering AJ, Mahmud ZH, Islam MS, Rahman MS, **Luby SP**, Biran A. A cross sectional study of the association between sanitation type and fecal contamination of the household environment in rural Bangladesh. *Am J Trop Med Hyg*. In Press.
5. Doza S, Jabeen Rahman M, Islam MA, Kwong LH, Unicomb L, Ercumen A, Pickering AJ, Parvez SM, Naser AM, Ashraf S, Das KK, **Luby SP**. Prevalence and association of *Escherichia coli* and diarrheagenic *Escherichia coli* in stored foods for young children and flies caught in the same

households in rural Bangladesh. *Am J Trop Med Hyg*. In Press.

6. Lo NC, Gupta R, Stanaway JD, Garrett DO, Bogoch II, **Luby SP**, Andrews JR. Comparison of strategies and incidence thresholds for Vi conjugate vaccines against typhoid fever: a cost-effectiveness modeling study. *J Infect Dis*. In Press.
7. Satter SM, Aliabadi N, Yen C, Gastanaduy PA, Ahmed M, Mamun A, Islam K, Flora MS, Rahman M, Zaman K, Rahman M, Heffelfinger JD, **Luby SP**, Gurley ES, Parashar UD. Epidemiology of childhood intussusception in Bangladesh: Findings from an active national hospital based surveillance system, 2012-2016. *Vaccine*. In Press.

Original Scientific Publications

1. **Luby SP**, Rahman M, Arnold BF, Unicomb L, Ashraf S, Winch PJ, Stewart CP, Begum F, Hussain F, Benjamin-Chung J, Leontsini E, Naser AM, Parvez SM, Hubbard AE, Lin A, Nizame FA, Jannat K, Ercumen A, Ram PK, Das KK, Abedin J, Clasen TF, Dewey KG, Fernald LC, Null C, Ahmed T, Colford JM. Effects of water quality, sanitation, handwashing, and nutritional interventions on diarrhoea and child growth in rural Bangladesh: a cluster randomised controlled trial. *Lancet Glob Health*. 2018 Mar; 6(3):e302-e315. doi: 10.1016/S2214-109X(17)30490-4
2. Null C, Stewart CP, Pickering AJ, Dentz HN, Arnold BF, Arnold CD, Benjamin-Chung J, Clasen T, Dewey KG, Fernald LCH, Hubbard AE, Kariger P, Lin A, **Luby SP**, Mertens A, Njenga SM, Nyambane G, Ram PK, Colford JM. Effects of water quality, sanitation, handwashing, and nutritional interventions on diarrhoea and child growth in rural Kenya: a cluster randomised controlled trial. *Lancet Glob Health*. 2018 Mar; 6(3):e316-e329. doi: 10.1016/S2214-109X(18)30005-6
3. Benjamin-Chung J, Arnold BF, Berger D, **Luby SP**, Miguel E, Colford JM, Hubbard AE. Spillover effects in epidemiology: parameters, study designs and methodological considerations. *Int J Epidemiol*. 2018 Feb 1; 47(1):332-347. doi: 10.1093/ije/dyx201
4. Crider Y, Sultana S, Unicomb L, Davis J, **Luby SP**, Pickering AJ. Can you taste it? Taste detection and acceptability thresholds for chlorine residual in drinking water in Dhaka, Bangladesh. *Sci Total Environ*. 2018 Feb 1; 613-614:840-846. doi: 10.1016/j.scitotenv.2017.09.135
5. Ahmed M, Abedin J, Alam KF, Al Mamun A, Paul RC, Rahman M, Iuliano AD, Sturm-Ramirez K, Parashar U, **Luby SP**, Gurley ES. Incidence of acute diarrhea-associated death among children <5 years of age in Bangladesh, 2010-12. *Am J Trop Med Hyg*. 2018 Jan; 98(1): 281-286. doi: 10.4269/ajtmh.17-0384
6. Harris AR, Islam MA, Unicomb L, Boehm AB, **Luby SP**, Davis J, Pickering AJ. Fecal contamination on produce from wholesale and retail food markets in Dhaka, Bangladesh. *Am J Trop Med Hyg*. 2018 Jan; 98(1):287-294. doi: 10.4269/ajtmh.17-0255
7. Hassan MZ, Sazzad HMS, **Luby SP**, Sturm-Ramirez K, Bhuiyan MU, Rahman MZ, Islam MM, Stroher U, Sultana S, Kafi MAH, Daszak P, Rahman M, Gurley ES. Nipah virus contamination of hospital surfaces during outbreaks, Bangladesh, 2013-2014. *Emerg Infect Dis*. 2018 Jan; 24(1):15-

21. doi: 10.3201/eid2401.161758

8. Rolfes MA, Goswami D, Sharmeen AT, Yeasmin S, Parvin N, Nahar K, Rahman M, Barends M, Ahmed D, Rahman MZ, Bresee J, **Luby SP**, Moulton LH, Santosham M, Fry AM, Brooks WA. Efficacy of trivalent influenza vaccine against laboratory-confirmed influenza among young children in a randomized trial in Bangladesh. *Vaccine*. 2017 Dec 15; 35(50):6967-6976. doi: 10.1016/j.vaccine.2017.10.074
9. Najnin N, Leder K, Qadri F, Forbes A, Unicomb L, Winch PJ, Ram PK, Leontsini E, Nizame FA, Arman S, Begum F, Biswas SK, Clemens JD, Ali M, Cravioto A, **Luby SP**. Impact of adding hand-washing and water disinfection promotion to oral cholera vaccination on diarrhoea-associated hospitalization in Dhaka, Bangladesh: evidence from a cluster randomised control trial. *Int J Epidemiol*. 2017 Dec 1; 46(6): 2056-2066. doi: 10.1093/ije/dyx187
10. Islam M, Ercumen A, Naser AM, Unicomb L, Rahman M, Arnold BF, Colford JM, **Luby SP**. Effectiveness of the Hydrogen Sulfide Test as a Water Quality Indicator for Diarrhea Risk in Rural Bangladesh. *Am J Trop Med Hyg*. 2017 Dec; 97(6):1867-1871. doi: 10.4269/ajtmh.17-0387
11. Sultana F, Nizame FA, Southern DL, Unicomb L, Winch PJ, **Luby SP**. Pilot of an elementary school cough etiquette intervention: acceptability, feasibility, and potential for sustainability. *Am J Trop Med Hyg*. 2017 Dec; 97(6); 1876-1886. doi: 10.4269/ajtmh.16-0914
12. Sazzad HMS, **Luby SP**, Labrique AB, Kamili S, Hayden TM, Kamili NA, Teo CG, Gurley ES. Risk factors associated with blood exposure for sporadic Hepatitis E in Dhaka, Bangladesh. *Am J Trop Med Hyg*. 2017 Nov; 97(5):1437-1444. doi: 10.4269/ajtmh.17-0261
13. Saha S, Islam M, Uddin MJ, Saha S, Das RC, Baqui AH, Santosham M, Black RE, **Luby SP**, Saha SK. Integration of enteric fever surveillance into the WHO-coordinated Invasive Bacterial-Vaccine Preventable Diseases (IB-VPD) platform: a low cost approach to track an increasingly important disease. *PLoS Negl Trop Dis*. 2017 Oct 26; 11(10):e0005999. doi: 10.1371/journal.pntd.0005999
14. Lin A, Arnold BF, Mertens AN, Lin J, Benjamin-Chung J, Ali S, Hubbard AE, Stewart CP, Shoab AK, Rahman MZ, Hossen MS, Mutsuddi P, Famida SL, Akther S, Rahman M, Unicomb L, Dhabhar FS, Fernald LCH, Colford JM, **Luby SP**. Effects of water, sanitation, handwashing, and nutritional interventions on telomere length among children in a cluster-randomized controlled trial in rural Bangladesh. *Elife*. 2017 Oct 5; 6:e29365. doi: 10.7554/eLife.29365
15. Shanta IS, Hasnat MA, Zeidner N, Gurley ES, Azziz-Baumgartner E, Sharker MAY, Hossain K, Khan SU, Haider N, Bhuyan AA, Hossain MA, **Luby SP**. Raising Backyard Poultry in Rural Bangladesh: Financial and Nutritional Benefits, but Persistent Risky Practices. *Transbound Emerg Dis*. 2017 Oct; 64(5):1454-1464. doi: 10.1111/tbed.12536
16. Chakraborty, A, Rahman M, Hossain MJ, Khan SU, Haider MS, Sultana R, Ali Rimi N, Islam MS, Haider N, Islam A, Sultana Shanta I, Sultana T, Al Mamun A, Homaira N, Goswami D, Nahar K, Alamgir ASM, Rahman M, Mahbuba Jamil K, Azziz-Baumgartner E, Simpson N, Shu B, Lindstrom S, Gerloff N, Davis CT, Katz JM, Mikolon A, Uyeki TM, **Luby SP**, Sturm-Ramirez K. Mild respiratory illness among young children caused by highly pathogenic avian influenza A (H5N1) virus infection in Dhaka, Bangladesh, 2011. *J Infect Dis*. 2017 Sep 15;

17. Meiring JE, Gibani M, Basnyat B, Bentsi-Enchill AD, Clemens J, Darton TC, Date K, Dougan G, Garrett D, Gessner BD, Gordon MA, Heyderman RS, Hombach J, Kotloff KL, Levine MM, **Luby SP**, Mohan VK, Marfin AA, Mulholland K, Neuzil K, Pitzer VE, Pollard AJ, Qadri F, Salisbury D, Zaidi A. The Typhoid Vaccine Acceleration Consortium (TyVAC): Vaccine effectiveness study designs: Accelerating the introduction of typhoid conjugate vaccines and reducing the global burden of enteric fever. Report from a meeting held on 26-27 October 2016, Oxford, UK. *Vaccine*. 2017 Sep 12; 35(38):5081-5088. doi: 10.1016/j.vaccine.2017.08.001
18. Naser AM, Unicomb L, Doza S, Ahmed KM, Rahman M, Uddin MN, Quraishi SB, Selim S, Shamsudduha M, Burgess W, Chang HH, Gribble MO, Clasen TF, **Luby SP**. Stepped-wedge cluster-randomised controlled trial to assess the cardiovascular health effects of a managed aquifer recharge initiative to reduce drinking water salinity in southwest coastal Bangladesh: study design and rationale. *BMJ Open*. 2017 Sep 1; 7(0):e015205. doi: 10.1136/bmjopen-2016-015205
19. Nahar N, Paul RC, Sultana R, Sumon SA, Banik KC, Abedin J, Asaduzzaman M, Garcia F, Zimicki S, Rahman M, Gurley ES, **Luby SP**. A controlled trial to reduce the risk of human Nipah virus exposure in Bangladesh. *EcoHealth*. 2017 Sep; 14(3):501-517. doi: 10.1007/s10393-017-1267-4
20. Islam MS, Sharif AR, Sazzad HMS, Khan AKMD, Hasan M, Akter S, Rahman M, **Luby SP**, Heffelfinger JD, Gurley ES. Outbreak of sudden death with acute encephalitis syndrome among children associated with exposure to lychee orchards in northern Bangladesh, 2012. *Am J Trop Med Hyg*. 2017 Sep; 97(3):949-957. doi: 10.4269/ajtmh.16-0856
21. Gurley ES, Hegde ST, Hossain K, Sazzad HMS, Hossain MJ, Rahman M, Sharkar MAY, Salje H, Islam MS, Epstein JH, Kahn SU, Kilpatrick AM, Daszak P, **Luby SP**. Convergence of humans, bats, trees, and culture in Nipah virus transmission, Bangladesh. *Emerg Infect Dis*. 2017 Sep; 23(9):1446-1453. doi: 10.3201/eid2309.161922
22. Saxton RE, Yeasmin F, Alam MU, Al-Masud A, Dutta NC, Yeasmin D, **Luby SP**, Unicomb L, Winch PJ. If I do not have enough water, then how could I bring additional water for toilet cleaning?! Addressing water scarcity to promote hygienic use of shared toilets in Dhaka, Bangladesh. *Trop Med Int Health*. 2017 Sep; 22(9):1099-1111. doi: 10.1111/tmi.12914
23. Yeasmin F, **Luby SP**, Saxton RE, Nizame FA, Alam MU, 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*. 2017 Aug 29; 17(1):682. doi: 10.1186/s12889-017-4693-x
24. Ercumen A, Pickering AJ, Kwong LH, Arnold BF, Parvez SM, Alam M, Sen D, Islam S, Kullmann C, Chase C, Ahmed R, Unicomb L, **Luby SP**, Colford JM. Animal feces contribute to domestic fecal contamination: Evidence from *E. coli* measured in water, hands, food, flies, and soil in Bangladesh. *Environ Sci Technol*. 2017 Aug 1; 51(15):8725-8734. doi: 10.1021/acs.est.7b01710
25. Benjamin-Chung J, Abedin J, Berger D, Clark A, Jimenez V, Konagaya E, Tran D, Arnold BF, Hubbard AE, **Luby SP**, Miguel E, Colford JM. Spillover effects on health outcomes in low- and middle-income countries: a systematic review. *Int J Epidemiol*. 2017 Aug 1; 46(4):1251-1276. doi:

26. Weaver AM, Parveen S, Goswami D, Crabtree-Ide C, Rudra C, Yu J, Mu L, Fry AM, Sharmin I, **Luby SP**, Ram PK. Pilot intervention study of household ventilation and fine particulate matter concentrations in a low-income urban area, Dhaka, Bangladesh. *Am J Trop Med Hyg.* 2017 Aug; 97(2):615-623. doi: 10.4269/ajtmh.16-0326
27. 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. *Am J Trop Med Hyg.* 2017 Aug; 97(2):469-476. doi: 10.4269/ajtmh.15-0932
28. Alam MU, Winch PJ, Saxton RE, Nizame FA, Yeasmin F, Norman G, Masud AA, Begum F, Rahman M, Hossain K, Layden A, Unicomb L, **Luby SP**. Behaviour change intervention to improve shared toilet maintenance and cleanliness in urban slums of Dhaka: a cluster-randomised controlled trial. *Trop Med Int Health.* 2017 Aug; 22(8):1000-1011. doi 10.1111/tmi.12902
29. Openshaw JJ, Hegde S, Sazzad HM, 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 Transmission and Bat Conservation. *Transbound Emerg Dis.* 2017 Aug; 64(4): 1287-1293. doi: 10.1111/tbed.12505
30. Alam MU, **Luby SP**, Halder AK, Islam MK, Opel A, Shoab AK, Ghosh PK, Rahman M, Mahon T, Unicomb L. Menstrual hygiene management among Bangladeshi adolescent schoolgirls and risk factors affecting school absence: results from a cross-sectional survey. *BMJ Open.* 2017 Jul 9; 7(7):e015508. doi: 10.1136/bmjopen-2016-015508
31. 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 Res Notes.* 2017 Jun 26; 10(1):225. doi: 10.1186/s13104-017-2549-1
32. Garchitorena A, Sokolow SH, Roche B, Ngonghala CN, Jocque M, Lund A, Barry M, Mordecai EA, Daily GC, Jones JH, Andrews JR, Bendavid E, **Luby SP**, LaBeaud AD, Seetah K, Guégan JF, Bonds MH, De Leo GA. Disease ecology, health and the environment: a framework to account for ecological and socio-economic drivers in the control of neglected tropical diseases. *Philos Trans R Soc Lond B Biol Sci.* 2017 Jun 5; 372(1722). doi: 10.1098/rstb.2016.0128
33. Bhuiyan MU, **Luby SP**, Alamgir NI, Homaira N, Sturm-Ramirez K, Gurley ES, Abedin J, Zaman RU, Alamgir A, Rahman M, Ortega-Sanchez IR, Azziz-Baumgartner E. Costs of hospitalization with respiratory syncytial virus illness among children aged <5 years and the financial impact on households in Bangladesh, 2010. *J Glob Health.* 2017 Jun; 7(1):010412. doi: 10.7189/jogh.07.010412
34. Rimi NA, Sultana R, Muhsina M, Uddin B, Haider N, Nahar N, Zeidner N, Sturm-Ramirez K, **Luby SP**. Biosecurity conditions in small commercial chicken farms, Bangladesh 2011-2012. *EcoHealth.* 2017 Jun; 14(2):244-258. doi: 10/1007/s10393-017-1224-2
35. Hussain F, Clasen T, Akhter S, Bawel V, **Luby SP**, Leontsini E, Unicomb L, Barua MK, Thomas

- BA, Winch PJ. Advantages and limitations for users of double pit pour-flush latrines: a qualitative study in rural Bangladesh. *BMC Public Health*. 2017 May 25; 17(1):515. doi: 10.1186/s12889-017-4412-7
36. Biswas D, Nizame FA, Sanghvi T, Roy S, **Luby SP**, Unicomb LE. Provision versus promotion to develop a handwashing station: the effect on desired handwashing behavior. *BMC Public Health*. 2017 May 5; 17(1):390. doi: 10.1186/s12889-017-4316-6
37. Rahman MJ, Nizame FA, Unicomb L, **Luby SP**, Winch PJ. Behavioral antecedents for handwashing in a low-income urban setting in Bangladesh: An exploratory study. *BMC Public Health*. 2017 May 5; 17(1):392. doi: 10.1186/s12889-017-4307-7
38. Benjamin-Chung J, Sultana S, Halder AK, Ahsan MA, Arnold BF, Hubbard AE, Unicomb L, **Luby SP**, Colford JM. Scaling up a water, sanitation, and hygiene program in rural Bangladesh: the role of program implementation. *Am J Public Health*. 2017 May; 107(5):694-701. doi: 10.2105/AJPH.2017.303686
39. Parvez SM, Kwong L, Rahman MJ, Ercumen A, Pickering AJ, Ghosh PK, Rahman MZ, Das KK, **Luby SP**, Unicomb L. Escherichia coli contamination of child complementary foods and association with domestic hygiene in rural Bangladesh. *Trop Med Int Health*. 2017 May; 22(5):547-557. doi: 10.1111/tmi.12849
40. Sarkar S, Khan SU, Mikolon A, Rahman MZ, Abedin J, Zeidner N, Sturm-Ramirez K, **Luby SP**. An epidemiological study of avian influenza A (H5) virus in nomadic ducks and their raising practices in northeastern Bangladesh, 2011-2012. *Influenza Other Respir Viruses*. 2017 May; 11(3):275-282. doi: 10.1111/irv.12438
41. Ram PK, Sultana R, Nasreen S, Kamm K, Allen J, Kumar S, Rahman MA, Zaman K, Arifeen SE, **Luby SP**. Impact of an intensive perinatal handwashing promotion intervention on maternal handwashing behavior in the neonatal period: findings from a randomized controlled trial in rural Bangladesh. *BioMed Res Int*. 2017 April 11; 2017:6081470. doi: 10.1155/2017/6081470
42. Halder AK, **Luby SP**, Akhter S, Ghosh PK, Johnston RB, Unicomb L. Incidences and costs of illness for diarrhea and acute respiratory infections for children <5 years of age in rural Bangladesh. *Am J Trop Med Hyg*. 2017 Apr; 96(4):953-960. doi: 10.4269/ajtmh.16-0005
43. 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. *Am J Trop Med Hyg*. 2017 Mar; 96(3):561-568. doi: 10.4269/ajtmh.16-0489
44. Haque F, Sturm-Ramirez K, Homaira N, Gurley ES, Hossain MJ, Hasan SM, Chowdhury S, Sarkar S, Khan AK, Rahman M, Rahman M, **Luby SP**. Influenza B virus outbreak at a religious residential school for boys in Northern Bangladesh, 2011. *Influenza Other Respir Viruses*. 2017 Mar; 11(2):165-169. doi: 10.1111/irv.12430
45. Faruque LI, Zaman RU, Gurley ES, Massung RF, Alamgir AS, Galloway RL, Powers AM, Bai Y, Kosoy M, Nicholson WL, Rahman M, **Luby SP**. Prevalence and clinical presentation of Rickettsia,

- Coxiella, Leptospira, Bartonella and chikungunya virus infections among hospital-based febrile patients from December 2008 to November 2009 in Bangladesh. *BMC Infect Dis.* 2017 Feb 13; 17(1):141. doi: 10.1186/s12879-017-2239-6
46. Sazzad HM, Labrique AB, Teo CG, **Luby SP**, Gurley ES. Surveillance at private laboratories identifies small outbreaks of hepatitis E in urban Bangladesh. *Am J Trop Med Hyg.* 2017 Feb 8; 96(2):395-399. doi: 10.4269/ajtmh.16-0411
 47. Ashraf S, Nizame FA, Islam M, Dutta NC, Yeasmin D, Akhter S, Abedin J, Winch PJ, Ram PK, Unicomb L, Leontsini E, **Luby SP**. Nonrandomized trial of feasibility and acceptability of strategies for promotion of soapy water as a handwashing agent in rural Bangladesh. *Am J Trop Med Hyg.* 2017 Feb 8; 96(2):421-429. doi: 10.4269/ajtmh.16-0304
 48. Weaver AM, Islam M, Khatun-e-Jannat K, Cercone E, Krytus K, Sohel BM, Ahmed M, Rahman M, Azziz-Baumgartner E, Yu J, Fry AM, **Luby SP**, Ram PK. Household-level risk factors for secondary influenza-like illness in a rural area of Bangladesh. *Trop Med Int Health.* 2017 Feb; 22(2):187-195. doi: 10.1111/tim.12820
 49. 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. *Pediatr Infect Dis J.* 2017 Feb; 36(2):168-172. doi: 10.1097/INF.0000000000001381
 50. 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 RO, Heffelfinger JD, **Luby SP**, Zeidner N. Unusually High Mortality in Waterfowl Caused by Highly Pathogenic Avian Influenza A(H5N1) in Bangladesh. *Transbound Emerg Dis.* 2017 Feb; 64(1):144-156. doi: 10.1111/tbed.12354
 51. Nikolay B, Salje H, Sturm-Ramirez K, Azziz-Baumgartner E, Homaira N, Ahmed M, Iuliano AD, Paul RC, Rahman M, Hossain MJ, **Luby SP**, Cauchemez S, Gurley ES. Evaluating hospital-based surveillance for outbreak detection: Analysis of healthcare utilization data. *PLoS Med.* 2017 Jan; 14(1):e1002218. doi: 10.1371/journal.pmed.1002218
 52. Ercumen A, Arnold BF, Naser AM, Unicomb L, Colford JM Jr., **Luby SP**. Potential sources of bias in the use of *Escherichia coli* to measure waterborne diarrhoea risk in low-income settings. *Trop Med Int Health.* 2017 Jan; 22(1):2-11. doi: 10.1111/tmi.12803
 53. Hegde ST, Sazzad HMS, Hossain MJ, Alam MU, Kenah E, Daszak P, Rollin P, Rahman M, **Luby SP**, Gurley ES. Investigating Rare Risk Factors for Nipah Virus in Bangladesh: 2001-2012. *EcoHealth.* 2016 Dec; 13(4):720-728.
 54. Kamm KB, Vujcic J, Nasreen S, **Luby SP**, Zaman K, El Arifeen S, Ram PK. Is pregnancy a teachable moment to promote handwashing with soap among primiparous women in rural Bangladesh? Follow-up of a randomised controlled trial. *Trop Med Int Health.* 2016 Dec; 21(12):1562-1571. doi: 10.1111/tmi.12782
 55. Horng LM, Unicomb L, Alam MU, Halder AK, Shoab AK, Ghosh PK, Opel A, Islam MK, **Luby SP**.

Healthcare worker and family caregiver hand hygiene in Bangladeshi healthcare facilities: results from the Bangladesh National Hygiene Baseline Survey. *J Hosp Infect.* 2016 Nov; 94(3):286-294. doi: 10.1016/j.jhin.2016.08.016

56. Boehm AB, Wang D, Ercumen A, Shea M, Harris AR, Shanks OC, Kelty C, Ahmed A, Mahmud ZH, Arnhold BF, Chase C, Kullmann C, Ahmed R, Colford JM, **Luby SP**, Pickering AJ. Occurrence of Host-Associated Fecal Markers on Child Hands, Household Soil, and Drinking Water in Rural Bangladeshi Households. *Environ Sci Technol Lett.* 2016 Oct 13; 2016(3):393-398. doi: 10.1021/acs.estlett.6b00382
57. Rimi NA, Sultana R, Ishtiaq-Ahmed K, Rahman MZ, Hasin 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
58. 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 wells and pit latrines at different hydrogeological conditions in the Ganges Altrai floodplains of Bangladesh. *J Health Popul Nutr.* 2016 Aug 19; 35(1):26. doi: 10.1186/s41043-016-0063-z
59. Parveen, S, Islam MS, Begum M, Alam MU, Sazzad HMS, Sultana R, Rahman M, Gurley ES, Hossain MJ, **Luby SP**. It's not only what you say, it's also how you say it: communicating Nipah virus prevention messages during an outbreak in Bangladesh. *BMC Public Health.* 2016 Aug 5; 16:726. doi: 10.1186/s12889-016-3416-z
60. 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. *Am J Trop Med Hyg.* 2016 Aug 3; 95(2):288-97. doi: 10.4269/ajtmh.15-0377
61. 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. doi: 10.3390/ijerph13060563
62. Guiteras RP, 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.
63. 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 Nutr Bull.* 2016 Jun; 37(2):186-201. doi: 10.1177/0379572116631641
64. Saha SK, Hossain B, Islam M, Hasanuzzaman M, Saha S, Hasan M, Darmstadt GL, Chowdury M, Arifeen SE, Baqui AH, Breiman RF, Santosham M, **Luby SP**, Whitney CG. Epidemiology of Invasive Pneumococcal Disease in Bangladeshi Children Before Introduction of Pneumococcal Conjugate Vaccine. *Pediatr Infect Dis J.* 2016 Jun; 35(6):655-61.

doi: 10.1097/INF.0000000000001037

65. Harris AR, Pickering AJ, Harris M, Doza S, Islam MS, Unicomb L, **Luby S**, Davis J, Boehm AB. Ruminants Contribute Fecal Contamination to the Urban Household Environment in Dhaka, Bangladesh. *Environ Science Technol*. 2016 May 3; 50(9), 4642-4649. doi: 10.1021/acs.est.5b06282
66. Islam MS, Sazzad HMS, Satter SM, Sultana S, Hossain MJ, Hasan M, Rahman M, Campbell S, Cannon DL, Ströher U, Daszak P, **Luby SP**, Gurley ES. Nipah Virus Transmission from Bats to Humans Associated with Drinking Traditional Liquor Made from Date Palm Sap, Bangladesh, 2011-2014. *Emerg Infect Dis*. 2016 Apr; 22(4):664-70. doi: 10.3201/eid2204.151747
67. Ao TT, TA, Rahman M, Haque F, Chakraborty A, Hossain MJ, Haider S, Alamgir AS, Sobel J, **Luby SP**, Gurley ES. Low-Cost National Media-Based Surveillance System for Public Health Events, Bangladesh. *Emerg Infect Dis*. 2016 Apr; 22(4):720-2.
68. 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. *Epidemiol Infect*. 2016 Apr; 144(5):927-39.
69. Gerloff NA, Khan SU, Zanders N, Balish A, Haider N, Islam A, Chowdhury S, Rahman MZ, Haque A, Hosseini P, Gurley ES, **Luby SP**, Wentworth DE, Donis RO, Sturm-Ramirez K, Davis CT. Genetically Diverse Low Pathogenicity Avian Influenza A Virus Subtypes Co-Circulate among Poultry in Bangladesh. *PLoS One*. 2016 Mar 24; 11(3):e0152131.
70. 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.
71. Amin N, Crider YS, Unicomb L, Das KK, Gope PS, Mahmud ZH, Islam MS, 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*. 2016 Mar; 6(1):32-41. doi: 10.2166/washdev.2016.027
72. 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, Rahman M, Bresee J, Ramirez KS, Azziz-Baumgartner E. Respiratory Viruses Associated Hospitalization among Children Aged <5 Years in Bangladesh: 2010–2014. *PLoS One*. 2016 Feb 3; 11(2): e0147982
73. 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; 16:44
74. Chakraborty A, Sazzad HMS, Hossain MJ, Islam MS, Parveen S, Husain M, Banu SS, Podder G, Afroj 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. *Epidemiol Infect*. 2016

Jan; 144(2):371-80.

75. Benjamin-Chung J, Nazneen A, Halder AK, Haque R, Siddique A, Uddin MS, Koporc K, Arnold BF, Hubbard AE, 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*. 2015 Dec 1; 9(12):e0004256. doi:10.1371/journal.pntd.0004256
76. Nahar N, Uddin M, Gurley ES, Jahangir Hossain M, Sultana R, **Luby SP**. Cultural and Economic Motivation of Pig Raising Practices in Bangladesh. *EcoHealth*. 2015 Dec; 12(4):611-620.
77. Anand A, Zaman K, Estívariz CF, Yunus M, Gary HE, Weldon WC, Bari TI, Oberste MS, Wassilak SG, **Luby SP**, Heffelfinger 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.
78. 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 Nov 9; 10(11): e0142292.
79. **Luby SP**, Halder AK, Huda TM, Unicomb L, Islam MS, Arnold BF, Johnston RB. Microbiological Contamination of Drinking Water Associated with Subsequent Child Diarrhea. *Am J Trop Med Hygiene*. 2015 Nov; 93(5):904-11.
80. Haque F, Banu SS, Ara K, Chowdhury IA, Chowdhury SA, Kamili S, Rahman M, **Luby SP**. An outbreak of hepatitis E in an urban area of Bangladesh. *J Viral Hepat*. 2015 Nov; 22(11):948-56.
81. Qadri F, Ali M, Chowdhury F, Khan AI, Saha A, Khan IA, Begum YA, Bhuiyan TR, Chowdhury MI, Uddin MJ, Khan JA, Chowdhury AI, Rahman A, Siddique SA, Asaduzzaman M, Akter A, Khan A, Ae You Y, Siddik MAU, Saha NC, Kabir A, Riaz BK, Biswas SK, Begum F, Unicomb L, **Luby SP**, Cravioto A, Clemens JD. Feasibility and effectiveness of oral cholera vaccine in an urban endemic setting in Bangladesh: a cluster randomised open-label trial. *Lancet*. 2015 Oct 3; 386(10001):1362-71. doi: 10.1016/S0140-6736(15)61140-0
82. **Luby SP**, Biswas D, Gurley ES, Hossain I. Why highly polluting methods are used to manufacture bricks in Bangladesh. *Energy for Sustainable Development*. 2015 Oct; 28:68-74.
83. Estívariz CF, Anand A, Gary HE, Rahman M, Islam J, Bari TI, Wassilak SG, Chu SY, Weldon WC, Pallansch MA, Heffelfinger JD, **Luby SP**, Zaman K. Immunogenicity of three doses of bivalent, trivalent, or type 1 monovalent oral poliovirus vaccines with a 2 week interval between doses in Bangladesh: an open-label, non-inferiority, randomised, controlled trial. *Lancet Infect Dis*. 2015 Aug; 15(8):898-904. doi: 10.1016/S1473-3099(15)00094-8
84. Khatun S, Chakraborty A, Rahman M, Banu N, Rahman MM, Hasan SM, **Luby SP**, Gurly ES. An Outbreak of Chikungunya in Rural Bangladesh, 2011. *PLoS Negl Trop Dis*. 2015 Jul 10; 9(7): e0003907.
85. Naser AM, Hossain MJ, Sazzad HMS, Homaira N, Gurley ES, Podder G, Afroj S, Banu S, Rollin PE,

- Daszak P, Ahmed BN, Rahman M, **Luby SP**. Integrated cluster- and case-based surveillance for detecting stage III zoonotic pathogens: an example of Nipah virus surveillance in Bangladesh. *Epidemiol Infect.* 2015 Jul; 143(9):1922-30.
86. Ram PK, DiVita MA, Khatun-e-Jannat K, Islam M, Krytus K, Cercone E, Sohel BM, Ahmed M, Rahman AMQ, Rahman AM, Yu J, 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 Jun 11; 10(6):e0125200.
 87. Nizame FA, Nasreen S, Halder AK, Arman S, Winch PJ, Unicomb L, **Luby SP**. Observed practices and perceived advantages of different hand cleansing agents in rural Bangladesh: ash, soil and soap. *Am J Trop Med Hyg.* 2015 Jun; 92(6):1111-6.
 88. Fry AM, Goswami D, Nahar K, Sharmin AT, Rahman M, Gubareva L, Trujillo A, Barnes J, Azim T, Bresee J, **Luby SP**, Brooks WA. Effects of oseltamivir treatment of index patients with influenza on secondary household illness in an urban setting in Bangladesh: secondary analysis of a randomized, placebo-controlled trial. *Lancet Infect Dis.* 2015 Jun; 15(6):654-62.
 89. 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, Priestly RA, Kersh GJ, Rahman MZ, Daszak P, **Luby SP**, Massung RF, Zeidner N. Serological Evidence of Coxiella burnetii Infection in Cattle and Goats in Bangladesh. *EcoHealth.* 2015 Jun; 12(2):354-8.
 90. Doshi S, Silk BJ, Dutt D, Ahmed M, Cohen 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.
 91. Rahman KM, Samarawickrema IV, Harley D, Olsen A, Butler CD, Sumon SA, Biswas SK, **Luby SP**, Sleigh AC. Performance of kala-azar surveillance in Gaffargaon subdistrict of Mymensingh, Bangladesh. *PLoS Negl Trop Dis.* 2015 Apr 10; 9(4): e0003531.
 92. Nasreen S, Khan SU, **Luby SP**, Gurley ES, Abedin J, Zaman RU, Sobel BM, Rahman M, Hancock K, Levine MZ, Veguilla V, Wang D, Holiday C, Gillis E, Sturm-Ramirez K, Bresee J, Rahman M, Uyeki TM, Katz JM, Azziz-Baumgartner E. Highly pathogenic Avian Influenza A (H5N1) virus infection among workers at live bird market, Bangladesh, 2009–2010. *Emerg Infect Dis.* 2015 Apr; 21(4):629-37.
 93. Najnin N, Arman S, Abedin J, Unicomb L, Levine DI, Mahmud M, Leder K, Yeasmin F, Luoto JE, Albert J, **Luby SP**. Explaining low rates of sustained use of siphon water filter: evidence from follow-up of a randomised controlled trial in Bangladesh. *Trop Med Int Health.* 2015 Apr; 20(4):471-83.
 94. Ercumen A, Naser AM, Unicomb L, Arnold BF, Colford JM, **Luby SP**. Effects of source- versus household contamination of tubewell water on child diarrhea in rural Bangladesh: a randomized controlled trial. *PLoS One.* 2015 Mar 27; 10(3): e0121907,
 95. Pickering AJ, Crider Y, Amin N, Bauza V, Unicomb L, Davis J, **Luby SP**. Differences in field

effectiveness and adoption between a novel automated chlorination system and household manual chlorination of drinking water in Dhaka, Bangladesh: a randomized controlled trial. *PLoS One*. 2015 Mar 3; 10(3):e0118397. doi:10.1371/journal.pone.0118397

96. Sazzad HMS, **Luby SP**, Ströher U, Daszak P, Sultana S, Afroj S, Rahman M, Gurley ES. Exposure-based screening for Nipah virus encephalitis, Bangladesh. *Emerg Infect Dis*. 2015 Feb; 21(2):349-51.
97. Nahar N, Mondal UK, Hossain MJ, Khan MS, Sultana R, Gurley ES, **Luby SP**. Piloting the promotion of bamboo skirt barriers to prevent Nipah virus transmission through date palm sap in Bangladesh. *Global Health Promotion*. 2014 Dec; 21(4):7-15.
98. **Luby SP**, Lu X, Cromeans T, Sharker MAY, Kadir MA, Erdman DD. Hand contamination with human rhinovirus in Bangladesh. *J Med Virol*. 2014 Dec; 86(12):2177-80.
99. Lederman E, Khan SU, **Luby S**, Zhao H, Braden Z, Gao JX, Karem K, Damon I, Reynolds M, Li Y. Zoonotic parapoxviruses detected in symptomatic cattle in Bangladesh. *BMC Research Notes*. 2014 Nov 19; 7:816.
100. Sazzad HMS, Rainey JJ, Kahn AL, Mach O, Liyanage JBL, Alam AN, Kawser CA, Hossain A, Sutter R, **Luby SP**. Screening for long-term poliovirus excretion among children with primary immunodeficiency disorders: preparation for the polio posteradication era in Bangladesh. *J Infect Dis*. 2014 Nov; 210 Suppl 1:S373-9.
101. Chowdhury S, Khan SU, Cramer G, Epstein JH, Broder CC, Islam A, Peel AJ, Barr J, Daszak P, Wang LF, **Luby SP**. Serological evidence of henipavirus exposure in cattle, goats and pigs in Bangladesh. *PLoS Negl Trop Dis*. 2014 Nov; 8(11):e3302.
102. Zaman K, Naser AM, Power M, Yaich M, Zhang L, Ginsburg AS, **Luby SP**, Rahman M, Hills S, Bhardwaj M, Flores J. Lot-to-lot consistency of live attenuated SA 14-14-2 Japanese encephalitis vaccine manufactured in a good manufacturing practice facility and non-inferiority with respect to an earlier product. *Vaccine*. 2014 Oct 21; 32(46):6061-6.
103. Khan SU, Salje H, Hannan A, Islam MA, Bhuyan AA, Islam MA, Rahman MZ, Nahar N, Hossain MJ, **Luby SP**, Gurley ES. Dynamics of Japanese encephalitis virus transmission among pigs in Northwest Bangladesh and the potential impact of pig vaccination. *PLoS Negl Trop Dis*. 2014 Sep 25; 8(9):e3166.
104. Gurley ES, Hossain MJ, Paul RC, Sazzad HMS, Islam MS, Parveen S, Faruque LI, Husain M, Ara K, Jahan Y, Rahman M, **Luby SP**. Outbreak of hepatitis E in urban Bangladesh resulting in maternal and perinatal mortality. *Clin Infect Dis*. 2014 Sep 1; 59(5):658-65.
105. Zhang Y, Brooks WA, Goswami D, Rahman M, **Luby SP**, Erdman DD. A duplex recombinant viral nucleoprotein microbead immunoassay for simultaneous detection of seroresponses to human respiratory syncytial virus and metapneumovirus infections. *J Virol Methods*. 2014 Sep; 206:55-62.
106. Amin N, Pickering AJ, Ram PK, Unicomb L, Najnin N, Homaira N, Ashraf S, Abedin J, Islam MS,

- Luby SP.** Microbiological evaluation of the efficacy of soapy water to clean hands: a randomized, non-inferiority field trial. *Am J Trop Med Hyg.* 2014 Aug; 91(2):415-23.
107. Bhuiyan MU, **Luby SP**, Alamgir NI, Homaira N, Mamun AA, Khan JAM, Abedin J, Sturm-Ramirez K, Gurley ES, Zaman RU, Alamgir ASM, Rahman M, Widdowson MA, Aziz-Baumgartner E. Economic burden of influenza-associated hospitalizations and outpatient visits in Bangladesh during 2010. *Influenza and Other Respiratory Viruses.* 2014 Jul; 8(4):406-13.
 108. Bhuiyan MU, **Luby SP**, Zaman RU, Rahman MW, Sharker MAY, Hossain MJ, Rasul CH, Ekram ARMS, Rahman M, Sturm-Ramirez K, Azziz-Baumgartner E, Gurley ES. Incidence of and risk factors for hospital-acquired diarrhea in three tertiary care public hospitals in Bangladesh. *Am J Trop Med Hyg.* 2014 Jul; 91(1):165-172.
 109. Haider N, Rahman MS, Khan MSU, Mikolon A, Gurley ES, Osmani MG, Shanta IS, Paul SK, Macfarlane-Berry L, Islam A, Desmond J, Epstein JH, Daszak P, Azim T, **Luby SP**, Zeidner N, Rahman MZ. Identification and epidemiology of a rare HoBi-like pestivirus strain in Bangladesh. *Transboundary and Emerging Diseases.* 2014 Jun; 61(3):193-8.
 110. Sarker MAY, Nasser M, Abedin MJ, Arnold BF, **Luby SP**. The risk of misclassifying subjects within principal component based asset index. *Emerging Themes in Epidemiology.* 2014 Jun 18; 11:6.
 111. Rahman KM, Olsen A, Harley D, Butler CD, Mondal D, **Luby SP**, Sleigh AC. Kala-azar in pregnancy in Mymensingh, Bangladesh: a social autopsy. *PLoS Negl Trop Dis.* 2014 May 1; 8(5):e2710.
 112. Vujcic J, Ram PK, Hussain F, Unicomb L, Gope PS, Abedin J, Mahmud ZH, Islam MS, **Luby SP**. Toys and toilets: cross-sectional study using children's toys to evaluate environmental faecal contamination in rural Bangladeshi households with different sanitation facilities and practices. *Trop Med Int Health.* 2014 May; 19(5):528-36.
 113. Ram PK, Dutt D, Silk BJ, Doshi S, Rudra CB, Abedin J, Goswami D, Fry AM, Brooks WA, **Luby SP**, Cohen AL. Household air quality risk factors associated with childhood pneumonia in urban Dhaka, Bangladesh. *Am J Trop Med Hyg.* 2014 May; 90(5):968-75.
 114. Gurley ES, Salje H, Homaira N, Ram PK, Haque R, Petri WA, Bresee J, Moss WJ, **Luby SP**, Breysse P, Azziz-Baumgartner E. Indoor exposure to particulate matter and age at first acute lower respiratory infection in a low-income urban community in Bangladesh. *Am J Epidemiol.* 2014 Apr 15; 179(8):967-73.
 115. Hahn M, Epstein JH, Gurley ES, Islam MS, **Luby SP**, Daszak P, Patz JA. Roosting behaviour and habitat selection of *Pteropus giganteus* reveals potential links to Nipah virus epidemiology. *J Appl Ecol.* 2014 Apr 1; 51(2):376-387.
 116. Salje H, Gurley ES, Homaira N, Ram PK, Haque R, Petri W, Moss WJ, **Luby SP**, Breysse P, Azziz-Baumgartner E. Impact of neighborhood biomass cooking patterns on episodic high indoor particulate matter concentrations in clean fuel homes in Dhaka, Bangladesh. *Indoor Air.* 2014 Apr; 24(2):213-20.

117. Luoto J, Levine D, Albert J, **Luby S**. Nudging to use: Achieving safe water behaviors in Kenya and Bangladesh. *Journal of Development Economics*. 2014 Mar 18; 110:13-21.
118. Khan SU, Berman L, Haider N, Gerloff N, Rahman MZ, Shu B, Rahman M, Dey TK, Davis TC, Das BC, Balish A, Islam A, Teifke JP, Zeidner N, Lindstrom S, Klimov A, Donis RO, **Luby SP**, Shivaprasad HL, Mikolon AB. Investigating a crow die-off in January-February 2011 during the introduction of a new clade of highly pathogenic avian influenza virus H5N1 into Bangladesh. *Arch Virol*. 2014 Mar; 159(3):509-18.
119. Islam MS, **Luby SP**, Sultana R, Rimi NA, Zaman RU, Uddin M, Nahar N, Rahman M, Gurley ES. Family caregivers in public tertiary care hospitals in Bangladesh: risks and opportunities for infection control. *Am J Infect Control*. 2014 Mar; 42(3):305-10.
120. Rimi NA, Sultana R, Ishtiaq-Ahmed K, Khan SU, Sharker MA, Uz Zaman R, Azziz-Baumgartner E, Gurley ES, Nahar N, **Luby SP**. Poultry slaughtering practices in rural communities of Bangladesh and risk of avian influenza transmission: a qualitative study. *EcoHealth*. 2014 March; 11(1):83-93.
121. Nasreen S, **Luby SP**, Brooks WA, Homaira N, al-Mamun A, Bhuiyan MU, Rahman M, Ahmed D, Abedin J, Rahman M, Alamgir ASM, Fry AM, Streatfield PK, Rahman A, Breese J, Widdowson MA, Azziz-Baumgartner E. Population-based incidence of severe acute respiratory virus infections among children aged <5 years in rural Bangladesh, June-October 2010. *PLoS One*. 2014 Feb 25; 9(2):e89978.
122. Rimi NA, Sultana R, **Luby SP**, Islam MS, Uddin M, Hossain MJ, Zaman RU, Nahar N, Gurley ES. Infrastructure and contamination of the physical environment in three Bangladeshi hospitals: putting infection control into context. *PLoS One*. 2014 Feb 19; 9(2):e89085.
123. Fry AM, Goswami D, Nahar K, Sharmin AT, Rahman M, Gubareva L, Azim T, Bresee J, **Luby SP**, Brooks WA. Efficacy of oseltamivir treatment started within 5 days of symptom onset to reduce influenza illness duration and virus shedding in an urban setting in Bangladesh: a randomised placebo-controlled randomized trial. *Lancet Infect Dis*. 2014 Feb; 14(2):109-18.
124. Hahn MB, Gurley ES, Epstein JH, Islam MS, Patz JA, Daszak P, **Luby SP**. The role of landscape composition and configuration on *Pteropus giganteus* roosting ecology and Nipah virus spillover risk in Bangladesh. *Am J Trop Med Hyg*. 2014 Feb; 90(2):247-55.
125. Gerloff NA, Khan SU, Balish A, Shanta IS, Simpson N, Berman L, Haider N, Poh MK, Islam A, Gurley E, Hasnat MA, Dey T, Shu B, Emery S, Lindstrom S, Haque A, Klimov A, Villanueva J, Rahman M, Azziz-Baumgartner E, Ziaur Rahman M, **Luby SP**, Zeidner N, Donis RO, Sturm-Ramirez K, Davis CT. Multiple reassortment events among highly pathogenic avian influenza A(H5N1) viruses detected in Bangladesh. *Virology*. 2014 Feb; 450-451:297-307.
126. Azziz-Baumgartner E, Homaira N, Hamadani JD, Tofail F, Dahlberg LL, Haque R, **Luby SP**, Naved RT. The prevalence and impact of intimate partner violence on maternal distress in a community of low-income Bangladeshi and displaced ethnic Bihari mothers: Dhaka, 2008-2009. *Violence Against Women*. 2014 Jan; 20(1):59-73.

127. Haynes AK, Manangan AP, Iwane MK, Sturm-Ramirez K, Homaira N, Brooks WA, **Luby S**, Rahman M, Klena JD, Zhang Y, Yu H, Zhan F, Dueger E, Mansour AM, Azazzy N, McCracken JP, Bryan JP, Lopez MR, Burton DC, Bigogo G, Breiman RF, Feikin DR, Njenga K, Montgomery J, Cohen AL, Moyes J, Pretorius M, Cohen C, Venter M, Chittaganpitch M, Thamthitiwat S, Sawatwong P, Baggett HC, Lubber G, Gerber SI. Respiratory syncytial virus circulation in seven countries with Global Disease Detection Regional Centers. *J Infect Dis*. 2013 Dec 15; 208 Suppl 3:S246-54.
128. Khan IA, Saha A, Chowdhury F, Khan AI, Uddin MJ, Begum YA, Riaz BK, Islam S, Ali M, **Luby SP**, Clemens JD, Cravioto A, Qadri F. Coverage and cost of a large oral cholera vaccination program in a high-risk cholera endemic urban population in Dhaka, Bangladesh. *Vaccine*. 2013 Dec 9; 31(51):6058-64.
129. Nizame FA, Unicomb L, Sangvhi T, Roy S, Nuruzzaman M, Ghosh PK, Winch PJ, **Luby SP**. Handwashing before food preparation and child feeding: a missed opportunity for hygiene promotion. *Am J Trop Med Hyg*. 2013 Dec; 89(6):1179-85.
130. Islam A, Mikolon A, Mikoleit M, Ahmed D, Khan SU, Sharker MAY, Hossain MJ, Islam A, Epstein JH, Zeidner N, **Luby SP**. Isolation of *Salmonella Virchow* from a fruit bat (*Pteropus giganteus*). *EcoHealth*. 2013 Dec; 10(4):348-51.
131. Islam MS, Hossain MJ, Mikolon A, Parveen S, Khan MSU, Haider N, Chakraborty A, Titu AMN, Rahman MW, Sazzad HMS, Rahman M, Gurley ES, **Luby SP**. Risk practices for animal and human anthrax in Bangladesh: an exploratory study. *Infect Ecol Epidemiol*. 2013 Nov 27; 3:21356.
132. Haque F, Kundu SK, Islam MS, Hasan SM, Khatun A, Gope PS, Mahmud ZH, Alamgir ASM, Islam MS, Rahman M, **Luby SP**. Outbreak of mass sociogenic illness in a school feeding program in northwest Bangladesh, 2010. *PLoS One*. 2013 Nov 14; 8(11):e80420.
133. Dreifelbis R, Winch PJ, Leontsini E, Hulland KRS, Ram PK, Unicomb L, **Luby SP**. The Integrated Behavioural Model for Water, Sanitation, and Hygiene: a systematic review of behavioural models and a framework for designing and evaluating behaviour change interventions in infrastructure-restricted settings. *BMC Public Health*. 2013 Oct 26; 13:1015 doi: 10.1186/1471-2458-13-1015.
134. Gurley ES, Homaira N, Salje H, Ram PK, Haque R, Petri W, Bresee J, Moss WJ, Breysse P, **Luby SP**, Azziz-Baumgartner E. Indoor exposure to particulate matter and the incidence of acute lower respiratory infections among children: a birth cohort study in urban Bangladesh. *Indoor Air*. 2013 Oct; 23(5):379-86.
135. Hulland KRS, Leontsini E, Dreifelbis R, Unicomb L, Afroz A, Dutta NC, Nizame FA, Luby SP, Ram PK, Winch PJ. Designing a handwashing station for infrastructure-restricted communities in Bangladesh using the Integrated Behavioural Model for Water, Sanitation and Hygiene Interventions (IBM-WASH). *BMC Public Health*. 2013 Sep 23; 13:877.
136. Nasreen S, Uddin Khan S, Azziz-Baumgartner E, Hancock K, Veguilla V, Wang D, Rahman M, Alamgir ASM, Sturm-Ramirez K, Gurley ES, **Luby SP**, Katz JM, Uyeki TM. Seroprevalence of antibodies against highly pathogenic avian influenza A (H5N1) virus among poultry workers in

- Bangladesh, 2009. *PLoS One*. 2013 Sep 5; 8(9):e73200.
137. Anthony SJ, Epstein JH, Murray KA, Navarrete-Macias I, Zambrana-Torrelío CM, Solovyov A, Ojeda-Flores R, Arrigo NC, Islam A, Ali Khan S, Hosseini P, Bogich TL, Olival KJ, Sanchez-Leon MD, Karesh WB, Goldstein T, **Luby SP**, Morse SS, Mazet JA, Daszak P, Lipkin WI. A strategy to estimate unknown viral diversity in mammals. *MBio*. 2013 Sep 3; 4(5):e00598-13.
 138. Nahar N, Mondal UK, Sultana R, Hossain MJ, Khan MSU, Gurley ES, Oliveras E, **Luby SP**. Piloting the use of indigenous methods to prevent Nipah virus infection by interrupting bats' access to date palm sap in Bangladesh. *Health Promot Int*. 2013 Sep; 28(3):378-86.
 139. Arnold BF, Null C, **Luby SP**, Unicomb L, Stewart CP, Dewey KG, Ahmed T, Ashraf S, Christensen G, Clasen T, Dentz HN, Fernald LC, Haque R, Hubbard AE, Kariger P, Leontsini E, Lin A, Njenga SM, Pickering AJ, Ram PK, Tofail F, Winch PJ, Colford JM. Cluster-randomised controlled trials of individual and combined water, sanitation, hygiene, and nutritional interventions in rural Bangladesh and Kenya: the WASH Benefits study design and rationale. *BMJ Open*. 2013 Aug 30; 3(8):e003476. doi: 10.1136/bmjopen-2013-003476.
 140. Halder AK, Molyneaux JW, **Luby SP**, Ram PK. Impact of duration of structured observations on measurement of handwashing behavior at critical times. *BMC Public Health*. 2013 Aug 2; 13:705.
 141. Islam S, Kenah E, Bhuiyan MA, Rahman KM, Goodhew B, Ghalib CM, Zahid MM, Ozaki M, Rahman MW, Haque R, **Luby SP**, Maguire JH, Martin D, Bern C. Clinical and immunological aspects of post-kala-azar dermal leishmaniasis in Bangladesh. *Am J Trop Med Hyg*. 2013 Aug; 89(2):345-53.
 142. Haque F, Hossain JM, Kundu SK, Naser AM, Rahman M, **Luby SP**. Cholera Outbreaks in Urban Bangladesh in 2011. *Epidemiology Open Access*. 2013 Jul 02; 3:126. doi:10.4172/2161-1165.1000126.
 143. Sultana R, Mondal UK, Rimi NA, Unicomb L, Winch PJ, Nahar N, **Luby SP**. An improved tool for household faeces management in rural Bangladeshi communities. *Trop Med Int Health*. 2013 Jul; 18(7):854-60.
 144. Lin A, Arnold BF, Afreen S, Goto R, Huda TMN, Haque R, Raqib R, Unicomb L, Ahmed T, Colford JM, **Luby SP**. Household environmental conditions are associated with enteropathy and impaired growth in rural Bangladesh. *Am J Trop Med Hyg*. 2013 Jul; 89(1):130-7.
 145. Sultana NK, Saha SK, Al-Emran HM, Modak JK, Sharker MAY, El-Arifeen S, Cohel AL, Baqui AH, **Luby SP**. Impact of introduction of the *Haemophilus influenzae* type b conjugate vaccine into childhood immunization on meningitis in Bangladeshi infants. *J Pediatr*. 2013 Jul; 163(1 Suppl):S73-8.
 146. Roy M, Harris J, Afreen S, Deak E, Gade L, Balajee SA, Park B, Chiller T, Luby S. Aflatoxin contamination in food commodities in Bangladesh. *Food Additives & Contaminants: Part B Surveillance*. 2013 Mar 1; 6(1):17-23
 147. Bowen A, Agboatwalla M, Ayers T, Tobery T, Tariq M, **Luby SP**. Sustained improvements in handwashing indicators more than 5 years after a cluster-randomised, community-based trial of

- handwashing promotion in Karachi, Pakistan. *Trop Med Int Health*. 2013 Mar; 18(3):259-67.
148. Gurley ES, Salje H, Homaira N, Ram PK, Haque R, Petri WA, Bresee J, Moss WJ, **Luby SP**, Breyse P, Azziz-Baumgartner E. Seasonal concentrations and determinants of indoor particulate matter in a low-income community in Dhaka, Bangladesh. *Environ Res*. 2013 Feb; 121:11-16.
 149. Olival KJ, Islam A, Yu M, Anthony SJ, Epstein JH, Khan SA, Khan SU, Crameri G, Wang LF, Lipkin WI, **Luby SP**, Daszak P. Ebola virus antibodies in fruit bats, Bangladesh. *Emerg Infect Dis*. 2013 Feb; 19(2):270-3.
 150. Sazzad HMS, Hossain MJ, Gurley ES, Ameen KMH, Parveen S, Islam MS, Faruque LI, Podder G, Banu SS, Lo MK, Rollin PE, Rota PA, Daszak P, Rahman M, **Luby SP**. Nipah virus infection outbreak with nosocomial and corpse-to-human transmission, Bangladesh. *Emerg Infect Dis*. 2013 Feb; 19(2):210-7.
 151. Ashraf S, Huque MH, Kenah E, Agboatwalla M, **Luby SP**. Effect of recent diarrhoeal episodes on risk of pneumonia in children under the age of 5 years in Karachi, Pakistan. *Int J Epidemiol*. 2013 Feb; 42(1):194-200.
 152. Stockman LJ, Brooks WA, Streatfield PK, Rahman M, Goswami D, Nahar K, Rahman MZ, **Luby SP**, Anderson LJ. Challenges to evaluating respiratory syncytial virus mortality in Bangladesh, 2004-2008. *PLoS One*. 2013 Jan 24; 8(1):e53857. doi: 10.1371/journal.pone.0053857.
 153. Nahar N, Uddin M, Sarkar RA, Gurley ES, Khan MSU, Hossain MJ, Sultana R, **Luby SP**. Exploring pig raising in Bangladesh: implications for public health interventions. *Veterinaria Italia*. 2013 Jan-Mar; 49(1):7-17.
 154. Gurley ES, Islam MS, Nahar N, Sultana R, Hossain MJ, Homaira N, Parveen S, Naushin T, Alam M, Khan AK, Chowdhury NM, Southern D, **Luby SP**. Behaviour change intervention to reduce caregiver's exposure to patients' oral and nasal secretions in Bangladesh. *Int J Infect Control*. 2013; 9(2).
 155. Haque F, Husain MM, Ameen KMH, Rahima R, Hossain MJ, Alamgir ASM, Rahman M, Rahman M, **Luby SP**. Bronchiolitis outbreak caused by respiratory syncytial virus in southwest Bangladesh, 2010. *Int J Infect Dis*. 2012 Dec; 16(12):e866-71.
 156. Gurley ES, Halder AK, Streatfield PK, Sazzad HMS, Huda TM, Hossain MJ, **Luby SP**. Estimating the burden of maternal and neonatal deaths associated with jaundice in Bangladesh: possible role of hepatitis E infection. *Am J Public Health*. 2012 Dec; 102(12):2248-54. doi: 10.2105/AJPH.2012.300749.
 157. Bowen A, Agboatwalla M, **Luby S**, Tobery T, Ayers T, Hoekstra RM. Association between intensive handwashing promotion and child development in Karachi, Pakistan: a cluster-randomized, controlled trial. *Arch Pediatr Adolesc Med*. 2012 Nov; 166(11):1037-44.
 158. Azziz Baumgartner E, Dao CN, Nasreen S, Bhuiyan MU, Mah-E-Muneer S, Al Mamun A, Sharker MA, Zaman RU, Cheng PY, Klimov AI, Widdowson MA, Uyeki TM, **Luby SP**, Mounts A, Bresee J. Seasonality, timing, and climate drivers of influenza activity worldwide. *J Infect Dis*. 2012 Sep 15; 206(6):838-46.

159. Sultana R, Nahar N, Rimi NA, Azad S, Islam MS, Gurley ES, **Luby SP**. Backyard poultry raising in Bangladesh: a valued resource for the villagers and a setting for zoonotic transmission of avian influenza. A qualitative study. *Rural and Remote Health*. 2012 Sep 4; 12:1927.
160. Khan SU, Gurley ES, Hossain MJ, Nahar N, Sharker MAY, **Luby SP**. A randomized controlled trial of interventions to impede date palm sap contamination by bats to prevent Nipah virus transmission in Bangladesh. *PLoS One*. 2012 Aug 8; 7(8):e42689. doi:10.1371/journal.pone.0042689
161. Sazzad HMS, Rainey JJ, Mach O, Sutter R, Diordista S, Kawser CA, Mobarak R, Alam D, Chowdhury MA, Hossain MJ, Hasan ASM, **Luby SP**. The feasibility of identifying children with primary immunodeficiency disorders: preparation for the polio post-eradication era in Bangladesh. *Vaccine*. 2012 Aug 3; 30(36):5396– 5400.
162. Huda TM, Unicomb L, Johnston RB, Halder AK, Yushuf Sharker MA, **Luby SP**. Interim evaluation of a large scale sanitation, hygiene and water improvement programme on childhood diarrhea and respiratory disease in rural Bangladesh. *Soc Sci Med*. 2012 Aug; 75(4):604-11.
163. Luoto J, Mahmud M, Albert J, **Luby S**, Najnin N, Unicomb L, Levine DI. Learning to dislike safe water products: results from a randomized controlled trial of the effects of direct and peer experience on willingness to pay. *Environ Sci Technol*. 2012 Jun 5; 46(11):6244-51.
164. Zaman K, Yunus M, El Arifeen S, Azim T, Faruque AS, Huq E, Hossain I, **Luby SP**, Victor JC, Dallas MJ, Lewis KD, Rivers SB, Steele AD, Neuzil KM, Ciarlet M, Sack DA. Methodology and lessons-learned from the efficacy clinical trial of the pentavalent rotavirus vaccine in Bangladesh. *Vaccine*. 2012 Apr 27; 30 Suppl 1:A94-100.
165. Chakraborty A, Khan SU, Hasnat MA, Parveen S, Islam MS, Mikolon A, Chkaraborty RK, Ahmed BN, Ara K, Haider N, Zaki SR, Hoffmaster AR, Rahman M, **Luby SP**, Hossain MJ. Anthrax outbreaks in Bangladesh, 2009-2010. *Am J Trop Med Hyg*. 2012 Apr; 86(4):703–710.
166. Homaira N, **Luby SP**, Alamgir ASM, Islam K, Paul R, Abedin J, Rahman M, Azim T, Podder G, Soheli BM, Brooks A, Fry AM, Widdowson MA, Bresee J, Rahman M, Azziz-Baumgartner E. Influenza-associated mortality in 2009 in four sentinel sites of Bangladesh. *Bull World Health Organ*. 2012 Apr 1; 90(4):272-8.
167. Nahar N, Uddin M, Gurley ES, Khan MSU, Hossain MJ, Sultana R, **Luby SP**. Pig illnesses and epidemics: a qualitative study on perceptions and practices of pig raisers in Bangladesh. *Veterinaria Italiana*. 2012 Apr-Jun; 48(2):157-65.
168. Saha SK, Al Emran HM, Hossain B, Darmstadt GL, Saha S, Islam M, Chowdhury AI, Foster D, Naheed A, El Arifeen S, Baqui AH, Qazi SA, **Luby SP**, Breiman RF, Santosham M, Black RE, Crook DW. *Streptococcus pneumoniae* serotype-2 childhood meningitis in Bangladesh: a newly recognized pneumococcal infection threat. *PLoS One*. 2012 Mar 30; 7(3):e32134. doi:10.1371/journal.pone.0032134.
169. Homaira N, **Luby SP**, Petri WA, Vainionpaa R, Rahman M, Hossain MK, Snider CB, Rahman M, Alamgir ASM, Zesmin F, Alam MM, Gurley ES, Zaman RU, Azim T, Erdman DD, Fry AM, Bresee J, Widdowson MA, Haque R, Azziz-Baumgartner E. Incidence of respiratory virus-associated pneumonia in urban poor young children of Dhaka, Bangladesh, 2009-2011. *PLoS*

One. 2012 Feb 22; 7(2):e32056.

170. Sultana R, Rimi NA, Azad S, Islam MS, Khan MS, Gurley ES, Nahar N, **Luby SP**. Bangladeshi backyard poultry raisers' perceptions and practices related to zoonotic transmission of avian influenza. *J Infect Dev Ctries*, 2012 Feb 13; 6(2):156-65.
171. Lo MK, Lowe L, Hummel KB, Sazzad HMS, Gurley ES, Hossain MJ, **Luby SP**, Miller DM, Comer JA, Rollin PE, Bellini WJ, Rota PA. Characterization of Nipah virus from outbreaks in Bangladesh, 2008-2010. *Emerg Infect Dis*. 2012 Feb; 18(2):248-55.
172. Azziz--Baumgartner E, Alamgir ASM, Rahman M, Homaira N, Sohel BM, Sharker MA, Zaman RU, Dee J, Gurley ES, Al Mamun A, Mah-E-Muneer S, Fry AM, Widdowson MA, Bresee J, Lindstrom S, Azim T, Brooks A, Podder G, Hossain MJ, Rahman M, **Luby SP**. Incidence of influenza-like illness, and severe acute respiratory infection during three influenza seasons in Bangladesh, 2008-2010. *Bull World Health Organ*. 2012 Jan 1; 90(1):12–19.
173. Azziz-Baumgartner E, Rahman M, Al Mamun, Haider MS, Zaman RU, Karmakar PC, Nasreen S, Muneer SM, Homaira N, Goswami DR, Ahmed BN, Husain MM, Jamil KM, Khatun S, Ahmed M, Chakraborty A, Fry A, Widdowson MA, Bresee J, Azim T, Alamgir ASM, Brooks A, Hossain MJ, Klimov A, Rahman M, **Luby SP**. Early detection of pandemic (H1N1) 2009, Bangladesh. *Emerging Infectious Diseases*. 2012 Jan; 18(1)146-9. doi:10.3201/eid1801.101996.
174. Rahman MA, Hossain MJ, Sultana S, Homaira N, Khan SUI, Rahman M, Gurley ES, Rollin PE, Lo MK, Comer JA, Lowe L, Rota PA, Ksiazek TG, Kenah E, Sharker MAY, **Luby SP**. Date palm sap linked to Nipah virus outbreak in Bangladesh, 2008. *Vector-Borne Zoonotic Dis*. 2012 Jan; 12(1):65-72.
175. Faruque LI, Zaman RU, Alamgir ASM, Gurley ES, Haque MR, Rahman M, **Luby SP**. Hospital-based prevalence of malaria and dengue in febrile patients in Bangladesh. *Am J Trop Med Hyg*. 2012 Jan; 86(1):58-64.
176. Klontz EH, Faruque ASG, Das SK, Malek MA, Islam Z, **Luby SP**, Klontz KC. Clinical and Epidemiologic Features of Diarrheal Disease due to *Aeromonas hydrophila* and *Plesiomonas shigelloides* Infections Compared with Those due to *Vibrio cholerae* Non-O1 and *Vibrio parahaemolyticus* in Bangladesh. *ISRN Microbiology*. 2012; 2012(2012):654819. doi:10.5402/2012/654819.
177. Nizame FA, Nasreen S, Unicomb L, Southern D, Gurley ES, Arman S, Kadir MA, Azziz-Baumgartner E, **Luby SP**, Winch PJ. Understanding community perceptions, social norms and current practice related to respiratory infection in Bangladesh during 2009: a qualitative formative study. *BMC Public Health*. 2011 Dec 4; 11(1):901.
178. Schmidt WP, Arnold BF, Boisson S, Genser B, **Luby SP**, Barreto ML, Clasen T, Cairncross S. Epidemiological methods in diarrhea studies – an update. *Int J Epidemiol*. 2011 Dec; 40(6):1678-92.
179. Boyer AE, Quinn CP, Beesley CA, Gallegos-Candela M, Marston CK, Cronin LX, Lins RC, Stoddard RA, Li H, Schiffer J, Hossain MJ, Chakraborty A, Rahman M, **Luby SP**, Shieh WJ, Zaki S, Barr JR, Hoffmaster AR. Lethal factor toxemia and anti-protective antigen antibody activity in naturally acquired cutaneous anthrax. *J Infect Dis*. 2011 Nov; 204(9):1321-7.

180. **Luby SP**, Halder AK, Huda TM, Unicomb L, Johnston RB. Using child health outcomes to identify effective measures of handwashing. *Am J Trop Med Hyg.* 2011 Nov; 85(5):882–92.
181. Luoto J, Najnin N, Mahmud M, Albert J, Islam MS, **Luby S**, Unicomb L, Levine DI. What point-of-use water treatment products do consumers use? Evidence from a randomized controlled trial among the urban poor in Bangladesh. *PLoS One.* 2011 Oct 20; 6(10):e26132.
182. Najnin N, Bennett CM, **Luby SP**. Inequalities in care-seeking for febrile illness of under-five children in urban Dhaka, Bangladesh. *J Health Popul Nutr.* 2011 Oct; 29(5):523-31.
183. Islam MS, **Luby SP**, Rahman M, Parveen S, Homaira N, Begum NH, Dawlat Khan AK, Sultana R, Akhter S, Gurley ES. Social ecological analysis of an outbreak of pufferfish egg poisoning in a coastal area of Bangladesh. *Am J Trop Med Hyg.* 2011 Sep; 85(3):498–503.
184. Ozaki M, Islam S, Rahman KM, Rahman A, **Luby SP**, Bern C. Economic consequences of post-kala-azar dermal leishmaniasis in a rural Bangladeshi community. *Am J Trop Med Hyg.* 2011 Sep; 85(3):528-34.
185. Paul RC, Rahman M, Gurley ES, Hossain MJ, Diorditsa S, Hasan AM, Banu SS, Alamgir A, Rahman MA, Sandhu H, Fischer M, **Luby SP**. A novel low-cost approach to estimate the incidence of Japanese encephalitis in the catchment area of three hospitals in Bangladesh. *Am J Trop Med Hyg.* 2011 Aug; 85(2):379–85.
186. Schmidt WP, Genser B, **Luby SP**, Chalabi Z. Estimating the effect of recurrent infectious diseases on nutritional status: sampling frequency, sample-size, and bias. *J Health Popul Nutr.* 2011 Aug; 29(4):317-26.
187. Gurley ES, Parveen S, Islam MS, Hossain MJ, Nahar N, Homaira N, Sultana R, Sejvar JJ, Rahman M, **Luby SP**. Family and community concerns about post-mortem needle biopsies in a Muslim society. *BMC Med Ethics.* 2011 Jun 13; 12(1):10.
188. **Luby SP**, Agboatwalla M, Hoekstra RM. The variability of childhood diarrhea in Karachi, Pakistan, 2000-2006. *Am J Trop Med Hyg.* 2011 Jun; 84(6):870-877.
189. **Luby SP**, Halder AK, Huda T, Unicomb L, Johnston RB. The effect of handwashing at recommended times with water alone and with soap on child diarrhea in rural Bangladesh: an observational study. *PLoS Med*, 2011 Jun; 8(6):e1001052. doi:10.1371/journal.pmed.1001052.
190. Arvelo W, Blum LS, Nahar N, von Seidlein L, Nahar L, Pack RP, Brooks AW, Pach A, Breiman RF, **Luby SP**, Ram PK. Community perceptions of bloody diarrhoea in an urban slum in South Asia: implications for introduction of a Shigella vaccine. *Epidemiol Infect.* 2011 Apr; 139(4):599-605.
191. Ram PK, Jahid I, Halder AK, Nygren B, Islam MS, Granger SP, Molyneaux JW, **Luby SP**. Variability in hand contamination based on serial measurements: implications for assessment of hand-cleansing behavior and disease risk. *Am J Trop Med Hyg.* 2011 Apr; 84(4):510-6.
192. Khatun F, Faruque ASG, Koeck JL, Olliaro P, Millet P, Paris N, Malek MA, Salam MA, **Luby S**. Changing species distribution and antimicrobial susceptibility pattern of Shigella over a 29-year

- period (1980-2008). *Epidemiol Infect.* 2011 Mar; 139(3):446-52.
193. **Luby SP**, Kadir MA, Yusuf Sharker MA, Yeasmin F, Unicomb L, Sirajul Islam M. A community-randomised controlled trial promoting waterless hand sanitizer and handwashing with soap, Dhaka, Bangladesh. *Trop Med Int Health.* 2010 Dec; 15(12):1508-1516. doi: 10.1111/j.1365-3156.2010.02648.x.
 194. Khan MSU, Hossain MJ, Gurley ES, Nahar N, Sultana R, **Luby SP**. Use of infrared cameras to understand bats' access to date palm sap: implications for preventing Nipah virus transmission. *EcoHealth.* 2010 Dec; 7(4):517-25.
 195. Homaira N, Rahman M, Hossain MJ, Epstein JH, Sultana R, Khan MSU, Podder G, Nahar K, Ahmed B, Gurley ES, Daszak P, Lipkin WI, Rollin PE, Comer JA, Ksiazek TG, **Luby SP**. Nipah virus outbreak with person-to-person transmission in a district of Bangladesh, 2007. *Epidemiol Infect.* 2010 Nov; 138(11):1630-6.
 196. Ram PK, Halder AK, Granger SP, Jones T, Hall P, Hitchcock D, Wright R, Nygren B, Islam MS, Molyneaux JW, **Luby SP**. Is structured observation a valid technique to measure handwashing behavior? Use of acceleration sensors embedded in soap to assess reactivity to structured observation. *Am J Trop Med Hyg.* 2010 Nov; 83(5):1070-6.
 197. Homaira N, Rahman M, Hossain MJ, Nahar N, Khan R, Rahman M, Podder G, Nahar K, Khan D, Gurley ES, Rollin PE, Comer JA, Ksiazek TG, **Luby SP**. Cluster of Nipah virus infection, Kushtia District, Bangladesh, 2007. *PLoS One.* 2010 Oct 21; 5(10):e13570.
 198. Alamgir NI, Naheed A, **Luby SP**. Coping strategies for financial burdens in families with childhood pneumonia in Bangladesh. *BMC Public Health.* 2010 Oct 19; 10:622.
 199. Dubois AE, Crump JA, Keswick BH, Slutsker L, Quick RE, Vulule JM, **Luby SP**. Determinants of use of household-level water chlorination products in rural Kenya, 2003-2005. *Int J Environ Res Public Health.* 2010 Oct; 7(10):3842-52. doi: 10.3390/ijerph7103842.
 200. Halder AK, Tronchet C, Akhter S, Bhuiya A, Johnston R, **Luby SP**. Observed hand cleanliness and other measures of handwashing behavior in rural Bangladesh. *BMC Public Health.* 2010 Sep 9; 10:545.
 201. Naheed A, Ram PK, Brooks WA, Hossain MA, Talukder KA, Mintz E, **Luby S**, Breiman RF. Burden of typhoid and paratyphoid fever in a densely populated urban community, Dhaka, Bangladesh. *Int J Infect Dis.* 2010 Sep; 14 Suppl 3:e93-9.
 202. Zaman K, Dang DA, Victor JC, Shin S, Yunus M, Dallas MJ, Podder G, Vu DT, Le TP, **Luby SP**, Le HT, Coia ML, Lewis K, Rivers SB, Sack DA, Schödel F, Steele AD, Neuzil KM, Ciarlet M. Efficacy of pentavalent rotavirus vaccine against severe rotavirus gastroenteritis in infants in developing countries in Asia: a randomised, double-blinded, placebo-controlled trial. *Lancet.* 2010 Aug 21; 376(9741):615-23.
 203. Schmidt WP, Genser B, Barreto ML, Clasen T, **Luby SP**, Cairncross S, Chalabi Z. Sampling strategies to measure the prevalence of common recurrent infections in longitudinal studies. *Emerging Themes in Epidemiology.* 2010 Aug 3; 7(1):5.

204. Homaira N, Rahman M, **Luby SP**, Rahman M, Haider MS, Faruque LI, Khan D, Parveen S, Gurley ES. Multiple outbreaks of puffer fish intoxication in Bangladesh, 2008. *Am J Trop Med Hyg*. 2010 Aug; 83(2):440-4.
205. **Luby SP**, Halder AK, Saha SK, Naheed A, Sazzad HMS, Akhter S, Gurley ES, Brooks WA, El-Arifeen S, Najnin N, Nazneen A, Breiman RF. A low-cost approach to measure the burden of vaccine preventable diseases in urban areas. *Vaccine*. 2010 Jul 12; 28(31):4903-12.
206. Epstein JH, Quan PL, Briese T, Street C, Jabado O, Conlan S, Ali Khan S, Verdugo D, Hossain MJ, Hutchison SK, Egholm M, **Luby SP**, Daszak P, Lipkin WI. Identification of GBV-D, a novel GB-like flavivirus from old world frugivorous bats (*Pteropus giganteus*) in Bangladesh. *PLoS Pathogens*. 2010 Jul 1; 6:e1000972.
207. Nasreen S, Azziz-Baumgartner E, Gurley ES, Winch PJ, Unicomb L, Sharker MA, Southern D, **Luby SP**. Prevalent high-risk respiratory hygiene practices in urban and rural Bangladesh. *Trop Med Int Health*. 2010 Jun; 15(6):762-71.
208. Kendall EA, LaRocque RC, Bui DM, Galloway R, Ari MD, Goswami D, Breiman RF, **Luby S**, Brooks WA. Leptospirosis as a cause of fever in urban Bangladesh. *Am J Trop Med Hyg*. 2010 Jun; 82(6):1127-30.
209. Nahar N, Sultana R, Gurley ES, Hossain MJ, **Luby SP**. Date palm sap collection: exploring opportunities to prevent Nipah transmission. *EcoHealth*. 2010 Jun; 7(2):196-203.
210. Banu S, Hossain A, Uddin MK, Uddin MR, Ahmed T, Khatun R, Mahmud AM, Hyder KA, Luftor AB, Karim MS, Zaman K, Khan MA, Barua PC, **Luby SP**. Pulmonary tuberculosis and drug resistance in Dhaka central jail, the largest prison in Bangladesh. *PLoS One*. 2010 May 21; 5(5):e10759. doi: 10.1371/journal.pone.0010759.
211. Huq A, Yunus M, Sohel SS, Bhuiya A, Emch M, **Luby SP**, Russek-Cohen E, Nair GB, Sack RB, Colwell RR. Simple sari cloth filtration of water is sustainable and continues to protect villagers from cholera in Matlab, Bangladesh. *MBio*. 2010 May 18; 1(1). pii: e00034-10. doi: 10.1128/mBio.00034-10.
212. Gurley ES, Zaman RU, Sultana R, Bell M, Fry AM, Srinivasan A, Rahman M, Rahman MW, Hossain MJ, **Luby SP**. Rates of hospital-acquired respiratory illness in Bangladeshi tertiary care hospitals: results from a low-cost pilot surveillance strategy. *Clin Infect Dis*. 2010 Apr 15; 50(8):1084-90.
213. Gurley ES, Rahman M, Hossain MJ, Nahar N, Faiz MA, Islam N, Sultana R, Khatun S, Uddin MZ, Haider MS, Islam MS, Ahmed BN, Rahman MW, Mondal UK, **Luby SP**. Fatal outbreak from consuming *Xanthium strumarium* seedlings during time of food scarcity in northeastern Bangladesh. *PLoS One*. 2010 Mar 18; 5(3): e9756. doi: 10.1371/journal.pone.0009756.
214. Brooks WA, Goswami D, Rahman M, Nahar K, Fry AM, Balish A, Iftekharuddin N, Azim T, Xu X, Klimov A, Bresee J, Bridges C, **Luby S**. Influenza is a major contributor to childhood pneumonia in a tropical developing country. *Pediatr Infect Dis J*. 2010 Mar; 29(3):216-21.
215. Islam Z, Jacobs BC, van Belkum A, Mohammad QD, Islam MB, Herbrink P, Diorditsa S, **Luby SP**, Talukder KA, Endtz HP. Axonal variant of Guillain-Barré syndrome associated with

- Campylobacter infection in Bangladesh. *Neurology*. 2010 Feb 16; 74(7):581-7.
216. Zafar SN, **Luby SP**, Mendoza C. Recall errors in a weekly survey of diarrhoea in Guatemala: determining the optimal length of recall. *Epidemiol Infect*. 2010 Feb; 138(2):264-9.
 217. Hossain MJ, Gurley ES, Montgomery S, Petersen L, Sejvar J, Fischer M, Panella A, Powers AM, Nahar N, Uddin AK, Rahman ME, Ekram AR, **Luby SP**, Breiman RF. Hospital-based surveillance for Japanese encephalitis at four sites in Bangladesh, 2003-2005. *Am J Trop Med Hyg*. 2010 Feb; 82(2):344-9.
 218. Rahman KM, Islam S, Rahman MW, Kenah E, Ghalib CM, Zahid MM, Maguire J, Rahman M, Haque R, **Luby SP**, Bern C. Increasing incidence of post-kala-azar dermal leishmaniasis in a population-based study in Bangladesh. *Clin Infect Dis*. 2010 Jan 1; 50(1):73-6.
 219. Zaman RU, Alamgir ASM, Rahman M, Azziz-Baumgartner E, Gurley ES, Sharker MAY, Brooks WA, Azim T, Fry AM, Lindstrom S, Gubareva LV, Xu X, Garten RJ, Hossain MJ, Khan MSU, Faruque LI, Ameer SS, Klimov AI, Rahman M, **Luby SP**. Influenza in outpatient ILI case-patients in national hospital-based surveillance, Bangladesh, 2007-2008. *PLoS One*. 2009 Dec 29; 4(12):e8452. doi: 10.1371/journal.pone.0008452.
 220. Halder AK, Gurley ES, Naheed A, Saha SK, Brooks WA, El Arifeen S, Sazzad HMS, Kenah E, **Luby SP**. Causes of early childhood deaths in urban Dhaka, Bangladesh. *PLoS One*. 2009 Dec 3; 4(12):e8145.
 221. Zaman K, Yunus M, Faruque AS, El Arifeen S, Hossain I, Azim T, Rahman M, Podder G, Roy E, **Luby S**, Sack DA. Surveillance of rotavirus in a rural diarrhoea treatment centre in Bangladesh, 2000-2006. *Vaccine*. 2009 Nov 20; 27 Suppl 5:F31-4.
 222. Islam MS, Sharker MAY, Rheman S, Hossain S, Mahmud ZH, Islam MS, Uddin AMK, Yunus M, Osman MS, Ernst R, Rector I, Larson CP, **Luby SP**, Endtz HP, Cravioto A. Effects of local climate variability on transmission dynamics of cholera in Matlab, Bangladesh. *Trans R Soc Trop Med Hyg*. 2009 Nov; 103(11):1165-70.
 223. Zaman K, Breiman RF, Yunus M, Arifeen SE, Mahmud A, Chowdhury HR, **Luby SP**. Intussusception surveillance in a rural demographic surveillance area in Bangladesh. *J Infect Dis*. 2009 Nov 1; 200 Suppl 1:S271-6.
 224. **Luby SP**, Halder AK, Tronchet C, Akhter S, Bhuiya A, Johnston RB. Household characteristics associated with handwashing with soap in rural Bangladesh. *Am J Trop Med Hyg*. 2009 Nov; 81(5):882-7.
 225. Gurley ES, Hossain MJ, Montgomery SP, Petersen LR, Sejvar JJ, Mayer LW, Whitney A, Dull P, Nahar N, Uddin AK, Rahman ME, Ekram AR, **Luby SP**, Breiman RF. Etiologies of bacterial meningitis in Bangladesh: results from a hospital-based study. *Am J Trop Med Hyg*. 2009 Sep; 81(3):475-83.
 226. **Luby SP**, Hossain MJ, Gurley ES, Ahmed BN, Banu S, Kahn SU, Homaira N, Rota PA, Rollin PE, Comer JA, Kenah E, Ksiazek TG, Rahman M. Recurrent zoonotic transmission of Nipah virus into humans, Bangladesh, 2001-2007. *Emerg Infect Dis*. 2009 Aug; 15(8): 1229-35.

227. Brooks WA, Alamgir AS, Sultana R, Islam MS, Rahman M, Fry AM, Shu B, Lindstrom S, Nahar K, Goswami D, Haider MS, Nahar S, Butler E, Hancock K, Donis RO, Davis CT, Zaman RU, **Luby SP**, Uyeki TM, Rahman M. Avian influenza virus A (H5N1), detected through routine surveillance, in child, Bangladesh. *Emerg Infect Dis*. 2009 Aug; 15(8): 1311-3.
228. **Luby SP**, Agboatwalla M, Bowen A, Kenah E, Sharker Y, Hoekstra RM. Difficulties in maintaining improved handwashing behavior, Karachi, Pakistan. *Am J Trop Med Hyg*. 2009 Jul; 81(1):140-5.
229. Raqib R, Mondal D, Karim MA, Chowdhury F, Ahmed S, **Luby S**, Cravioto A, Andersson J, Sack D. Detection of antibodies secreted from circulating Mycobacterium tuberculosis-specific plasma cells in the diagnosis of pediatric tuberculosis. *Clin Vaccine Immunol*. 2009 Apr; 16(4):521-7.
230. Arifeen SE, Saha SK, Rahman S, Rahman KM, Rahman SM, Bari S, Naheed A, Mannan I, Seraji MHR, Ahmed NU, Hassan MS, Huda N, Siddik AU, Quasem I, Islam M, Fatima K, Al-Emran H, Brooks WA, Baqui AH, Breiman RF, Sack D, **Luby SP**. Invasive pneumococcal disease among children in rural Bangladesh: results from a population-based surveillance. *Clin Infect Dis*. 2009 Mar 1; 48 Suppl 2:S103-13.
231. Saha SK, Naheed A, El Arifeen S, Islam M, Al-Emran H, Amin R, Fatima K, Brooks WA, Breiman RF, Sack DA, **Luby SP**; Pneumococcal Study Group. Surveillance for invasive Streptococcus pneumoniae disease among hospitalized children in Bangladesh: antimicrobial susceptibility and serotype distribution. *Clin Infect Dis*. 2009 Mar 1; 48 Suppl 2:S75–81.
232. Naheed A, Saha SK, Breiman RF, Khatun F, Brooks WA, El Arifeen S, Sack D, **Luby SP**; Pneumococcal Study Group. Multihospital surveillance of pneumonia burden among children aged < 5 years hospitalized for pneumonia in Bangladesh. *Clin Infect Dis*. 2009 Mar 1; 48 Suppl 2:S82-9.
233. Zaman K, Sack DA, Yunus M, Arifeen SE, Podder G, Azim T, **Luby S**, Breiman RF, Neuzil K, Datta SK, Delem A, Suryakiran PV, Bock HL; Bangladeshi Rotavirus Vaccine Study Group. Successful co-administration of a human rotavirus and oral poliovirus vaccines in Bangladeshi infants in a 2-dose schedule at 12 and 16 weeks of age. *Vaccine*. 2009 Feb 25; 27(9):1333-9.
234. Norton DM, Rahman M, Shane AL, Hossain Z, Kulick RM, Bhuiyan MI, Wahed MA, Yunus M, Islam MS, Breiman RF, Henderson A, Keswick BH, **Luby SP**. Flocculant-disinfectant point-of-use water treatment for reducing arsenic exposure in rural Bangladesh. *Int J Environ Health Res*. 2009 Feb; 19(1):17-29.
235. Saha SK, Darmstadt GL, Baqui AH, Hossain B, Islam M, Foster D, Al-Emran H, Naheed A, Arifeen SE, **Luby SP**, Santosham M, Crook D. Identification of serotype in culture negative pneumococcal meningitis using sequential multiplex PCR: implication for surveillance and vaccine design. *PLoS One*. 2008 Oct 31; 3(10):e3576.
236. **Luby SP**, Gupta SK, Sheikh MA, Johnston RB, Islam MS. Tubewell water quality and predictors of contamination in three flood-prone areas in Bangladesh. *J Appl Microbiol*. 2008 Oct; 105(4):1002-8.
237. Naheed A, Ram PK, Brooks WA, Mintz ED, Hossain MA, Parsons MM, **Luby SP**, Breiman RF. Clinical value of Tubex and Typhidot rapid diagnostic tests for typhoid fever in an urban

- community clinic in Bangladesh. *Diagn Microbiol Infect Dis*. 2008 Aug; 61(4):381-6.
238. **Luby SP**, Halder AK. Associations among handwashing indicators, wealth, and symptoms of childhood respiratory illness in urban Bangladesh. *Trop Med Int Health*. 2008 Jun; 13(6):835-44.
 239. Gupta SK, Islam MS, Johnston R, Ram PK, **Luby SP**. The chulli water purifier: acceptability and effectiveness of an innovative strategy for household water treatment in Bangladesh. *Am J Trop Med Hyg*. 2008 June; 78(6):979-84.
 240. Hossain MJ, Gurley ES, Montgomery JM, Bell M, Carroll DS, Hsu VP, Formenty P, Croisier A, Bertherat E, Faiz MA, Azad AK, Islam R, Molla MA, Ksiazek TG, Rota PA, Comer JA, Rollin PE, **Luby SP**, Breiman RF. Clinical presentation of Nipah virus infection in Bangladesh. *Clin Infect Dis*. 2008 Apr 1; 46(7):977-84.
 241. **Luby SP**, Mendoza C, Keswick BH, Chiller TM, Hoekstra RM. Difficulties in bringing point-of-use water treatment to scale in rural Guatemala. *Am J Trop Med Hyg*. 2008 Mar; 78(3):382-7.
 242. Gupta SK, Sheikh MA, Islam MS, Rahman KS, Jahan N, Rahman MM, Hoekstra RM, Johnston R, Ram PK, **Luby S**. Usefulness of the hydrogen sulfide test for assessment of water quality in Bangladesh. *J Appl Microbiol*. 2008 Feb; 104(2):388-395.
 243. Brooks WA, Breiman RF, Goswami D, Hossain A, Alam K, Saha SK, Nahar K, Nasrin D, Ahmed N, El Arifeen S, Naheed A, Sack DA, **Luby S**. Invasive pneumococcal disease burden and implications for vaccine policy in urban Bangladesh. *Am J Trop Med Hyg*. 2007 Nov; 77(5): 795–801.
 244. Tanaka G, Faruque ASG, **Luby SP**, Malek MA, Glass RI, Parashar UD. Deaths from rotavirus disease in Bangladeshi children: estimates from hospital-based surveillance. *Pediatr Infect Dis J*. 2007 Nov; 26(11):1014-8.
 245. Brooks WA, Terebuh P, Bridges C, Klimov A, Goswami D, Sharmeen AT, Azim T, Erdman D, Hall H, **Luby S**, Breiman RF. Influenza A and B infection in children in urban slum, Bangladesh. *Emerg Infect Dis*. 2007 Oct; 13(10):1507-8.
 246. Brooks WA, Erdman D, Terebuh P, Klimov A, Goswami D, Sharmeen AT, Azim T, **Luby S**, Bridges C, Breiman RF. Human metapneumovirus infection among children, Bangladesh. *Emerg Infect Dis*. 2007 Oct; 13(10):1611-3.
 247. Schmidt WP, **Luby SP**, Genser B, Barreto ML, Clasen T. Estimating the longitudinal prevalence of diarrhea and other episodic diseases: continuous versus intermittent surveillance. *Epidemiology*. 2007 Sep; 18(5):537-43.
 248. Sejvar JJ, Hossain MJ, Saha SK, Gurley ES, Banu S, Hamadani JD, Faiz MA, Siddiqui FM, Mohammad QD, Mollah AH, Uddin R, Alam R, Rahman R, Tan CT, Bellini W, Rota P, Breiman RF, **Luby SP**. Long-term neurological and functional outcome in Nipah virus infection. *Ann Neurol*. 2007 Sep; 62(3):235-42.
 249. Jennings GJ, Hajjeh RA, Girgis FY, Fadeel MA, Maksoud MA, Wasfy MO, El-Sayed N, Srikantiah P, **Luby SP**, Earhart K, Mahoney FJ. Brucellosis as a cause of acute febrile illness in Egypt. *Trans R Soc Trop Med Hyg*. 2007 Jul; 101(7):707-13.

250. Sirajul Islam M, Brooks A, Kabir MS, Jahid IK, Shafiqul Islam M, Goswami D, Nair GB, Larson C, Yukiko W, **Luby S**. Faecal contamination of drinking water sources of Dhaka city during the 2004 flood in Bangladesh and use of disinfectants for water treatment. *J Appl Microbiol*. 2007 Jul; 103(1):80-7.
251. Srikantiah P, Vafokulov S, **Luby SP**, Ishmail T, Earhart K, Khodjaev N, Jennings G, Crump JA, Mahoney FJ. Epidemiology and risk factors for endemic typhoid fever in Uzbekistan. *Trop Med Int Health*. 2007 Jul; 12(7):838-47.
252. Crump JA, Mendoza CE, Priest JW, Glass RI, Monroe SS, Dauphin LA, Bibb WF, Lopez MB, Alvarez M, Mintz ED, **Luby SP**. Comparing serologic response against enteric pathogens with reported diarrhea to assess the impact of improved household drinking water quality. *Am J Trop Med Hyg*. 2007 Jul; 77(1):136-41.
253. Gurley ES, Montgomery JM, Hossain MJ, Bell M, Azad AK, Islam MR, Molla MAR, Carroll DS, Ksiazek TG, Rota PA, Lowe L, Comer JA, Rollin P, Czup M, Grolla A, Feldmann H, **Luby SP**, Woodward JL, Breiman RF. Person-to-person transmission of Nipah virus in a Bangladeshi community. *Emerg Infect Dis*. 2007 Jul; 13(7):1031-7.
254. **Luby SP**, Agboatwalla M, Billhimer W, Hoekstra RM. Field trial of a low cost method to evaluate hand cleanliness. *Trop Med Int Health*. 2007 Jun; 12(6):765-71.
255. Bowen A, Ma H, Ou J, Billhimer W, Long T, Mintz E, Hoekstra RM, **Luby S**. A cluster-randomized controlled trial evaluating the effect of a handwashing-promotion program in Chinese primary schools. *Am J Trop Med Hyg*. 2007 Jun; 76(6):1166-73.
256. Faruque AS, Alam K, Malek MA, Khan MG, Ahmed S, Saha D, Khan WA, Nair GB, Salam MA, **Luby SP**, Sack DA. Emergence of multidrug-resistant strain of *Vibrio cholerae* O1 in Bangladesh and reversal of their susceptibility to tetracycline after two years. *J Health Popul Nutr*. 2007 Jun; 25(2):241-3.
257. Ram PK, Naheed A, Brooks WA, Hossain MA, Mintz ED, Breiman RF, **Luby SP**. Risk factors for typhoid fever in a slum in Dhaka, Bangladesh. *Epidemiol Infect*. 2007 Apr; 135(3):458-65.
258. **Luby SP**, Rahman M, Hossain MJ, Blum LS, Husain NM, Gurley E, Khan R, Ahmed BN, Rahman S, Nahar N, Kenah E, Comer JA, Ksiazek TG. Foodborne transmission of Nipah virus, Bangladesh. *Emerg Infect Dis*. 2006 Dec; 12(12):1888-94.
259. El-Mohamady H, Abdel-Messih IA, Youssef FG, Said M, Farag H, Shaheen HI, Rockabrand DM, **Luby S**, Hajjeh R, Sanders JW, Monteville MR, Klena JD, Frenck RW. Enteric pathogens associated with diarrhea in children in Fayoum, Egypt. *Diagn Microbiol Infect Dis*. 2006 Sep; 56(1):1-5.
260. Parviz S, Fatmi Z, Altaf A, McCormick JB, Fischer-Hoch S, Rahbar M, **Luby S**. Background demographics and risk behaviors of injecting drug users in Karachi, Pakistan. *Int J Infect Dis*. 2006 Sep; 10(5):364-71.
261. Khan AJ, Gebreselassie H, Asturias EJ, Agboatwalla M, Teklehaimanot R, **Luby SP**, Beyene B, Chezzi C, Asghar H, Moatter T, Torres O, Kew O, Winkelstein, Halsey NA. No evidence for

- prolonged excretion of polioviruses in persons with residual paralytic poliomyelitis in Ethiopia, Pakistan and Guatemala. *Biologicals*. 2006 Jun; 34(2):113-6.
262. Schwartz BS, Harris JB, Khan AI, LaRocque RC, Sack DA, Malek MA, Faruque ASG, Qadri F, Calderwood SB, **Luby SP**, Ryan ET. Diarrheal epidemics in Dhaka, Bangladesh, during three consecutive floods: 1988, 1998, and 2004. *Am J Trop Med Hyg*. 2006 Jun; 74(6):1067-73.
263. Rizvi N, **Luby S**, Azam SI, Rabbani F. Distribution and circumstances of injuries in squatter settlements of Karachi, Pakistan. *Accid Anal Prev*. 2006 May; 38(3):526-31.
264. Quddus A, **Luby SP**, Jamal Z, Jafar T. Prevalence of hepatitis B among Afghan refugees living in Balochistan, Pakistan. *Int J Infect Dis*. 2006 May; 10(3):242-7.
265. **Luby SP**, Islam MS, Johnston R. Chlorine spot treatment of flooded tube wells, an efficacy trial. *Journal of Applied Microbiology*. 2006 May; 100(5):1154-8.
266. **Luby SP**, Agboatwalla M, Painter J, Altaf A, Billhimer W, Keswick B, Hoekstra RM. Combining drinking water treatment and hand washing for diarrhoea prevention, a cluster randomised controlled trial. *Trop Med Int Health*. 2006 April; 11(4):479-89.
267. Srikantiah P, Girgis FY, **Luby SP**, Jennings G, Wasfy MO, Crump JA, Hoekstra RM, Anwer M, Mahoney FJ. Population-based surveillance of typhoid fever in Egypt. *Am J Trop Med Hyg*. 2006 Jan; 74(1):114-9.
268. Chiller TM, Mendoza CE, Lopez MB, Alvarez M, Hoekstra RM, Keswick BH, Luby SP. Reducing diarrhoea in Guatemalan children: randomized controlled trial of flocculant-disinfectant for drinking-water. *Bull World Health Organ*. 2006 Jan; 84(1):28-35.
269. Crump JA, Otieno PO, Slutsker L, Keswick BH, Rosen DH, Hoekstra RM, Vulule JM, **Luby SP**. Household based treatment of drinking water with flocculant-disinfectant for preventing diarrhoea in areas with turbid source water in rural western Kenya: cluster randomised controlled trial. *BMJ*. 2005 Sep 3; 331(7515):478-83.
270. Macy JT, Dunne EF, Angoran-Benie YH, Kamelan-Tano Y, Kouadio L, Djai KA, **Luby SP**. Comparison of two methods for evaluating the quality of stored drinking water in Abidjan, Côte d'Ivoire, and review of other comparisons in the literature. *J Water Health*. 2005 Sep; 3(3):221-8.
271. **Luby SP**, Agboatwalla M, Feikin DR, Painter J, Billhimer W, Altaf A, Hoekstra RM. Effect of handwashing on child health: a randomised controlled trial. *Lancet*. 2005 Jul 16-22; 366(9481):225-33.
272. Jones JL, Lopez B, Alvarez Mury M, Wilson M, Klein R, **Luby S**, Maguire JH. Toxoplasma gondii infection in rural Guatemalan children. *Am J Trop Med Hyg*. 2005 Mar; 72(3):295-300.
273. Brooks WA, Hossain A, Goswami D, Nahar K, Alam K, Ahmed N, Naheed A, Nair GB, **Luby S**, Breiman RF. Bacteremic typhoid fever in children in an urban slum, Bangladesh. *Emerg Infect Dis*. 2005 Feb; 11(2):326-9.
274. **Luby S**, Hoodbhoy F, Jan A, Shah A, Hutin Y. Long-term improvement in unsafe injection practices following community intervention. *Int J Infect Dis*. 2005 Jan; 9(1):52-9.

275. Rizvi N, **Luby S**. Vaginal discharge: perceptions and health seeking behavior among Nepalese women. *J Pak Med Assoc*. 2004 Dec; 54(12):620-4.
276. Parviz S, Chotani R, McCormick J, Fisher-Hoch S, **Luby S**. Rabies deaths in Pakistan: results of ineffective post-exposure treatment. *Int J Infect Dis*. 2004 Nov; 8(6):346-52.
277. **Luby SP**, Agboatwalla M, Hoekstra RM, Rahbar MH, Billhimer W, Keswick BH. Delayed effectiveness of home-based interventions in reducing childhood diarrhea, Karachi, Pakistan. *Am J Trop Med Hyg*. 2004 Oct; 71(4):420-7.
278. Luby SP, 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 Jun 2; 291(21):2547-54.
279. Crump JA, Okoth GO, Slutsker L, Ogaja DO, Keswick BH, **Luby SP**. Effect of point-of-use disinfection, flocculation and combined flocculation-disinfection on drinking water quality in western Kenya. *J Appl Microbiol*. 2004 May 17; 97(1):225-31.
280. Crump JA, **Luby SP**, Mintz ED. The global burden of typhoid fever. *Bull World Health Organ*. 2004 May; 82(5):346-53.
281. Razzak JA, **Luby SP**, Laflamme L, Chotani H. Injuries among children in Karachi, Pakistan — what, where and how. *Public Health*. 2004 Mar; 118(2):114-20.
282. Logez S, Soyolgerel G, Fields R, **Luby S**, Hutin Y. Rapid assessment of injection practices in Mongolia. *Am J Infect Control*. 2004 Feb; 32(1):31-7.
283. Steinberg EB, Mendoza CE, Glass R, Arana B, Lopez MB, Mejia M, Gold BD, Priest JW, Bibb W, Monroe SS, Bern C, Bell BP, Hoekstra RM, Klein R, Mintz ED, **Luby S**. Prevalence of infection with waterborne pathogens: a seroepidemiologic study in children 6-36 months old in San Juan Sacatepéquez, Guatemala. *Am J Trop Med Hyg*. 2004 Jan; 70(1):83-8.
284. Hozhabri S, White F, Rahbar MH, Agboatwalla M, **Luby S**. Elevated blood lead levels among children living in a fishing community, Karachi, Pakistan. *Arch Environ Health*. 2004 Jan; 59(1):37-41.
285. Reller ME, Mendoza CE, Lopez MB, Alvarez M, Hoekstra RM, Olson CA, Baier KG, Keswick BH, **Luby SP**. A randomized controlled trial of household-based flocculant-disinfectant drinking water treatment for diarrhea prevention in rural Guatemala. *Am J Trop Med Hyg*. 2003 Oct; 69(4):411-9.
286. Crump JA, Youssef FG, **Luby SP**, Wasfy MO, Rangel JM, Talaat M, Oun SA, Mahoney FJ. Estimating the incidence of typhoid fever and other febrile illnesses in developing countries. *Emerg Infect Dis*. 2003 May; 9(5):539-44.
287. Parent du Châtelet I, Merchant AT, Fisher-Hoch S, **Luby SP**, Plotkin SA, Moatter T, Agboatwalla M, McCormick JB. Serological response and poliovirus excretion following different combined oral and inactivated poliovirus vaccines immunization schedules. *Vaccine*. 2003 Apr 2; 21(15):1710-8.

288. Usman HR, Akhtar S, Rahbar MH, Hamid S, Moatter T, **Luby SP**. Injections in health care settings: a risk factor for acute hepatitis B virus infection in Karachi, Pakistan. *Epidemiol Infect.* 2003 Apr; 130(2):293-300.
289. Rangel JM, Lopez B, Mejia MA, Mendoza C, **Luby S**. A novel technology to improve drinking water quality: a microbiologic evaluation of in-home flocculation and chlorination in rural Guatemala. *J Water Health.* 2003 Mar; 1(1):15-22.
290. Hutin Y, **Luby S**, Paquet C. A large cholera outbreak in Kano City, Nigeria: the importance of hand washing with soap and the danger of street-vended water. *J Water Health.* 2003 March; 1(1):45-52.
291. Abdul Mujeeb S, Adil MM, Altaf A, Shah SA, **Luby S**. Infection control practices in clinical laboratories in Pakistan. *Infect Control Hosp Epidemiol.* 2003 Feb; 24(2):141-2.
292. Abdul Mujeeb S, Adil MM, Altaf A, Hutin Y, **Luby S**. Recycling of injection equipment in Pakistan. *Infect Control Hosp Epidemiol.* 2003 Feb; 24(2):145-6.
293. Olsen SJ, Bleasdale SC, Magnano AR, Landrigan C, Holland BH, Tauxe RV, Mintz ED, **Luby S**. Outbreaks of typhoid fever in the United States, 1960-99. *Epidemiol Infect.* 2003 Feb; 130(1):13-21.
294. Shah SM, Selwyn BJ, **Luby S**, Merchant A, Bano R. Prevalence and correlates of stunting among children in rural Pakistan. *Pediatr Int.* 2003 Feb; 45(1):49-53.
295. Paul R, White F, **Luby S**. Trends in lead content of petrol in Pakistan [letter]. *Bull World Health Organ.* 2003 Jan; 81(6):468.
296. Akhtar S, **Luby SP**. Risk behaviours associated with urethritis and genital ulcer disease in prison inmates, Sindh, Pakistan. *East Mediterr Health J.* 2002 Nov; 8(6):776-86.
297. Shah SM, Merchant AT, **Luby SP**. Addicted schoolchildren: prevalence and characteristics of areca nut chewers among primary school children in Karachi, Pakistan. *J Paediatr Child Health.* 2002 Oct; 38(5):507-10.
298. **Luby S**, Agboatwalla M, Schnell BM, Hoekstra RM, Rahbar MH, Keswick BH. The effect of antibacterial soap on impetigo incidence, Karachi, Pakistan. *Am J Trop Med Hyg.* 2002 Oct; 67(4):430-5.
299. Hozhabri S, **Luby SP**, Rahbar MH, Akhtar S. Clinical diagnosis of Plasmodium falciparum among children with history of fever, Sindh, Pakistan. *Int J Infect Dis.* 2002 Sep; 6(3):233-5.
300. **Luby S**, Khan AJ, Altaf A, Hutin Y. Regarding "Seroprevalence of the antibody to hepatitis C in select groups in the Punjab region of Pakistan". [letter]. *J Clin Gastroenterol.* 2002 Aug; 35(2):202-3.
301. Mian A, Mahmood SF, Chotani H, **Luby S**. Vulnerability to homicide in Karachi: political activity as a risk factor. *Int J Epidemiol.* 2002 Jun; 31(3):581-5.

302. Quddus A, **Luby S**, Rahbar, Pervaiz Y. Neonatal tetanus: mortality rate and risk factors in Loralai District, Pakistan. *Int J Epidemiol*. 2002 Jun; 31(3):648-653.
303. **Luby S**, Zaidi N, Rehman S, Northrup R. Improving private practitioner sick-child case management in two urban communities in Pakistan. *Trop Med Int Health*. 2002 Mar; 7(3):210-9.
304. Chotani HA, Razzak JA, **Luby SP**. Patterns of violence in Karachi, Pakistan. *Inj Prev*. 2002 Mar; 8(1):57-9.
305. Rahbar MH, White F, Agboatwalla M, Hozhabri S, **Luby S**. Factors associated with elevated blood lead concentrations in children in Karachi, Pakistan. *Bull World Health Organ*. 2002; 80(10):769-75.
306. Dunne EF, Angoran-Benie H, Kamelan-Tano A, Sibailly TS, Monga BB, Kouadio L, Roels TH, Wiktor SZ, Lackritz EM, Mintz ED, **Luby S**. Is drinking water in Abidjan, Côte d'Ivoire, safe for infant formula? *J Acquir Immune Defic Syndr*. 2001 Dec 1; 28(4):393-8.
307. Brooks JT, Rowe SY, Shillam P, Heltzel DM, Hunter SB, Slutsker L, Hoekstra, RM, **Luby SP**. Salmonella Typhimurium infections transmitted by chlorine-pretreated clover sprout seeds. *Am J Epidemiol*. 2001 Dec 1; 154(11):1020-8.
308. Olsen SJ, Kafoa B, Win NS, Jose M, Bibb W, **Luby S**, Waidubu G, O'Leary M, Mintz E. Restaurant-associated outbreak of Salmonella typhi in Nauru: an epidemiological and cost analysis. *Epidemiol Infect*. 2001 Dec; 127(3):405-12.
309. **Luby SP**, Agboatwalla M, Raza A, Sobel J, Mintz ED, Baier K, Hoekstra RM, Rahbar MH, Hassan R, Qureshi SM, Gangarosa EJ. Microbiologic effectiveness of hand washing with soap in an urban squatter settlement, Karachi, Pakistan. *Epidemiol Infect*. 2001 Oct; 127(2):237-44.
310. Bari A, Akhtar S, Rahbar MH, **Luby SP**. Risk factors for hepatitis C virus infection in male adults in Rawalpindi-Islamabad, Pakistan. *Trop Med Int Health*. 2001 Sep; 6(9):732-738.
311. Akhtar S, **Luby SP**, Rahbar MH, Azam I. HIV/AIDS knowledge, attitudes and beliefs based prediction models for practices in prison inmates, Sindh, Pakistan. *Southeast Asian J Trop Med Public Health*. 2001 Jun; 32(2):351-61.
312. Shah MA, **Luby S**, Rahbar M, Khan AW, McCormick JB. Hypertension and its determinants among adults in high mountain villages of the Northern Areas of Pakistan. *J Hum Hypertens*. 2001 Feb; 15(2):107-12.
313. White F, Rahbar MH, Agboatwalla M, **Luby S**, Iqbal A, Hozhabri S. Elevated blood lead levels in Karachi children. [letter]. *Bull World Health Organ*. 2001 Feb; 79(2):173.
314. Raglow G, **Luby SP**, Nabi N. Therapeutic injections in Pakistan: from the patients' perspective. *Trop Med Int Health*. 2001 Jan; 6(1):69-75.
315. **Luby SP**, Niaz Q, Siddiqui S, Mujeeb SA, Fisher-Hoch S. Patients' perceptions of blood transfusion risks in Karachi, Pakistan. *Int J Infect Dis*. 2001; 5(1):24-26.
316. Mohammed NB, NoorAli R, Anandakumar C, Qureshi RN, **Luby S**. Management trend and safety

- of vaginal delivery for term breech fetuses in a tertiary care hospital of Karachi, Pakistan. *J Perinat Med.* 2001; 29(3):250-9.
317. **Luby S**, Agboatwalla M, Raza A, Sobel J, Mintz E, Baier K, Rahbar M, Qureshi S, Hassan R, Ghouri F, Hoekstra RM, Gangarosa E. A low-cost intervention for cleaner drinking water in Karachi, Pakistan. *Int J Infect Dis.* 2001; 5(3):144-150.
 318. Hozhabri S, Akhtar S, Rahbar MH, **Luby SP**. Prevalence of plasmodium slide positivity among the children treated for malaria, Jhangara, Sindh. *J Pak Med Assoc.* 2000 Dec; 50(12):401-5.
 319. Kadir MM, Khan A, Sadruddin S, **Luby SP**. Out-of-pocket expenses borne by the users of obstetric services at government hospitals in Karachi, Pakistan. *J Pak Med Assoc.* 2000 Dec; 50(12):412-5.
 320. Khandwalla HE, **Luby S**, Rahman S. Knowledge, attitudes, and practices regarding sexually transmitted infections among general practitioners and medical specialists in Karachi, Pakistan. *Sex Transm Infect.* 2000 Oct; 76(5):383-385.
 321. Khoja S, **Luby S**, Ahmed Z, Akber A. Effectiveness of health education in promoting the use of iodized salt in Lotkoh, tehsil Chitral, Pakistan. *J Pak Med Assoc.* 2000 Sep; 50(9):296-300.
 322. Marsh DR, Kadir MM, Husein K, **Luby SP**, Siddiqui R, Khalid SB. Adult mortality in slums of Karachi, Pakistan. *J Pak Med Assoc.* 2000 Sep; 50(9):300-6.
 323. **Luby S**, Khanani R, Zia M, Vellani Z, Ali M, Qureshi AH, Khan AJ, Abdul Mujeeb S, Shah SA, Fisher-Hoch S. Evaluation of blood bank practices in Karachi, Pakistan and the government's response. *Health Policy and Planning.* 2000 Jun; 15(2):217-222.
 324. Akhtar S, **Luby SP**, Rahbar MH. Multivariate analysis of risk factors associated with genital ulcer disease among incarcerated males in Sindh. *J Pak Med Assoc.* 2000 Apr; 50(4):115-20.
 325. Khan AJ, **Luby SP**, Fikree F, Karim A, Obaid S, Dellawala S, Mirza S, Malik T, Fisher-Hoch S, McCormick JB. Unsafe injections and the transmission of hepatitis B and C in a periurban community in Pakistan. *Bull World Health Organ.* 2000 Feb; 78(8):956-963.
 326. **Luby SP**, Syed AH, Atiullah N, Faizan K, Fisher-Hoch S. Limited effectiveness of home drinking water purification efforts in Karachi, Pakistan. *Int J Infect Dis.* 2000 Jan; 4(1):3-7.
 327. Ahmed M, Shah MA, **Luby S**, Drago-Johnson P, Wali S. Survey of surgical emergencies in a rural population in the Northern Areas of Pakistan. *Trop Med Int Health.* 1999 Dec; 4(12):846-57.
 328. Pasha O, **Luby SP**, Khan AJ, Shah SA, McCormick J, Fisher-Hoch S. Household members of hepatitis C virus-infected people in Hafizabad, Pakistan: infection by injections from health care providers. *Epidemiol Infect.* 1999 Dec; 123(2): 515-518.
 329. Akhtar S, **Luby SP**, Rahbar MH. Risk behaviours associated with urethritis in prison inmates, Sindh. *J Pak Med Assoc.* 1999 Nov; 49(11):268-273.
 330. Mirza S, Mirza M, Chotani H, **Luby S**. Risky behavior of bus commuters and bus drivers in Karachi, Pakistan. *Accid Anal Prev.* 1999 Jul, 31(4):329-333.

331. Khan FM, Jawaid M, Chotani H, **Luby S**. Pedestrian environment and behavior in Karachi, Pakistan. *Accid Anal Prev*. 1999 Jul; 31(4):335-339.
332. NoorAli R, **Luby S**, Rahbar MH. Does use of a government service depend on distance from the health facility? *Health Policy and Planning*. 1999 Jun; 14(2):191-7.
333. Altaf A, **Luby S**, Ahmed AJ, Zaidi NA, Khan AJ, Mirza S, McCormick J, Fisher-Hoch S. Outbreak of Crimean-Congo haemorrhagic fever in Quetta, Pakistan: contact tracing and risk assessment. *Trop Med Int Health*. 1998 Nov; 3(11):878-82.
334. Parviz S, **Luby S**, Wilde H. Postexposure treatment of rabies in Pakistan. *Clin Infect Dis*. 1998 Oct; 27(4):751-6.
335. Razzak JA, **Luby SP**. Estimating deaths and injuries due to road traffic accidents in Karachi, Pakistan, through the capture-recapture method. *Int J Epidemiol*. 1998 Oct; 27(5):866-870.
336. Siddiqui AR, **Luby SP**. High rates of discitis following surgery for prolapsed intervertebral discs at a hospital in Pakistan. *Infect Control Hosp Epidemiol*. 1998 Jul; 19(7):526-529.
337. Baqi S, Nabi N, Hasan SN, Khan AJ, Pasha O, Kayani N, Haque RA, Haque I, Khurshid M, Fisher-Hoch S, **Luby SP**, McCormick JB. HIV antibody seroprevalence and associated risk factors in sex workers, drug users and prisoners in Sindh, Pakistan. *J Acquir Immune Defic Syndr Hum Retrovirol*. 1998 May; 18(1):73-79.
338. Paul RE, Patel AY, Mirza S, Fisher-Hoch SP, **Luby SP**. Expansion of epidemic dengue viral infections to Pakistan. *Int J Infect Dis*. 1998 Apr-Jun; 2(4):197-201.
339. **Luby SP**, Faizan MK, Fisher-Hoch SP, Syed A, Mintz ED, Bhutta ZA, McCormick JB. Risk factors for typhoid fever in an endemic setting, Karachi, Pakistan. *Epidemiol Infect*. 1998 Mar; 120(2):129-138.
340. Merchant AT, **Luby SP**, Parveen G. Smoking among males in a low socioeconomic area of Karachi. *J Pak Med Assoc*. 1998 Mar; 48(3):62-3.
341. Merchant AT, **Luby SP**, Perveen G. Smoking in Pakistan: more than cancer and heart disease. *J Pak Med Assoc*. 1998 Mar; 48(3):77-9.
342. **Luby SP**, Qamruddin K, Shah AA, Omair A, Pasha O, Khan AJ, McCormick JB, Hoodbhoy F, Fisher-Hoch S. The relationship between therapeutic injections and high prevalence of hepatitis C infection in Hafizabad, Pakistan. *Epidemiol Infect*. 1997 Dec; 119(3):349-356.
343. Nwanyanwu OC, Ziba C, Redd SC, **Luby SP**. Palpation as a method of fever determination in Malawian children who are less than 5 years old: how reliable is it? *Ann Trop Med Parasitol*. 1997 Jun; 91(4):359-363.
344. **Luby S**, Hassan I, Jahangir N, Rizvi N, Farooqi M, Ubaid S, Sadruddin S. Road traffic injuries in Karachi: the disproportionate role of buses and trucks. *Southeast Asian J Trop Med Public Health*. 1997 Jun; 28(2):395-398.
345. Marsh D, Sheikh A, Khalil A, Kamil S, Jaffer-uz-Zaman, Qureshi I, Siraj Y, **Luby S**, Effendi S.

- Epidemiology of adults hospitalized with burns in Karachi, Pakistan. *Burns*. 1996 May; 22(3):225-229.
346. Matson PA, **Luby SP**, Redd SC, Rolka HR. Cardiac effects of standard-dose halofantrine therapy. *Am J Trop Med Hyg*. 1996 Mar; 54(3):229-231.
 347. Marsh D, Hashim R, Hassany F, Hussain N, Iqbal Z, Irfanullah A, Islam N, Jalisi F, Janoo J, Kamal K, Kara A, Khan A, Khan R, Mirza O, Mubin T, Pirzada F, Rizvi N, Hussain A, Ansari G, Siddiqui A, **Luby S**. Front-line management of pulmonary tuberculosis: an analysis of tuberculosis and treatment practices in urban Sindh, Pakistan. *Tuber Lung Dis*. 1996 Feb; 77(1):86-92.
 348. Redd SC, Kazembe PN, **Luby SP**, Nwanyanwu O, Hightower AW, Ziba C, Wirima JJ, Chitsulo L, Franco C, Olivar M. Clinical algorithm for treatment of *Plasmodium falciparum* malaria in children. *Lancet*. 1996 Jan 27; 347(8996):223-227.
 349. Paxton LA, Slutsker L, Schultz LJ, **Luby SP**, Meriwether R, Matson P, Sulzer AJ. Imported malaria in Montagnard refugees settling in North Carolina: implications for prevention and control. *Am J Trop Med Hyg*. 1996 Jan; 54(1):54-57.
 350. Nwanyanwu OC, Redd SC, Ziba C, **Luby SP**, Mount DL, Franco C, Nyasulu Y, Chitsulo L. Validity of mother's history regarding antimalarial drug use in Malawian children under five years old. *Trans R Soc Trop Med Hyg*. 1996 Jan-Feb; 90(1):66-68.
 351. Holmberg SD, Conley LJ, **Luby SP**, Cohn S, Wong LC, Vlahov D. Recent infection with Human Immunodeficiency Virus and possible rapid loss of CD4 T lymphocytes. *J Acquir Immune Defic Syndr Hum Retrovirol*. 1995 Jul 1; 9(3):291-296.
 352. Marsh D, Husein K, Lobo M, Ali Shah M, **Luby SP**. Verbal autopsy in Karachi slums: comparing single and multiple cause of child deaths. *Health Policy and Planning*, 1995; 10(4) 395-403.
 353. **Luby SP**, Kazembe PN, Redd SC, Ziba C, Nwanyanwu OC, Hightower AW, Franco C, Chitsulo L, Wirima JJ, Olivar MA. Using clinical signs to diagnose anaemia in African children. *Bull World Health Organ*. 1995; 73(4):477-482.
 354. **Luby S**, Carmichael S, Shaw G, Horan J, Gamble W, Jones J. A nosocomial outbreak of *Mycobacterium tuberculosis*. *J Fam Pract*. 1994 Jul; 39(1):21-25.
 355. **Luby S**, Jones J, Horan J. Using CD4 counts to evaluate the stages and epidemiology of HIV infection in South Carolina public clinic patients. *Am J Public Health*. 1994 Mar; 84(3):377-381.
 356. **Luby S**, Jones J. Outbreak of gastroenteritis due to *Salmonella enteritidis* from locally produced Grade A eggs, South Carolina. *South Med J*. 1993 Dec; 86(12):1350-1353.
 357. **Luby S**, Jones J, Dowda H, Kramer J, Horan J. A large outbreak of gastroenteritis caused by diarrheal toxin-producing *Bacillus cereus*. *J Infect Dis*. 1993 Jun; 167(6):1452-1455.
 358. Centers for Disease Control and prevention (CDC). Malaria in Montagnard refugees – North Carolina, 1992. *MMWR Morb Mortal Wkly Rep*. 1993 Mar 19; 42(10):180-3.

359. **Luby SP**, Jones JL, Horan JM. A large salmonellosis outbreak associated with a frequently penalized restaurant. *Epidemiol Infect.* 1993 Feb; 110(1):31-39.
360. **Luby S**, Jones J, Zalewski A. GHB use in South Carolina. [letter]. *Am J Public Health.* 1992 Jan; 82(1):128.

Reviews and Commentaries

1. **Luby SP**. Clean water, clean hands or new vaccines? *J Infect.* 2017 Jun; 74 Suppl 1:S18-S22. doi: 10.1016/S0163-4453(17)30186-X
2. Davies HG, Bowman C, **Luby SP**. Cholera – Management and Prevention. *J Infect.* 2017 Jun; 74 Suppl 1:S66-S73. doi: 10.1016/S0163-4453(17)30194-9
3. **Luby SP**, Saha S, Andrews JR. Towards sustainable public health surveillance for enteric fever. *Vaccine.* 2015 Jun 19; 33 Suppl 3:C3-7.
4. **Luby SP**. Is targeting access to sanitation enough? *Lancet Glob Health.* 2014 Nov; 2(11):e619-20. [http://dx.doi.org/10.1016/S2214-109X\(14\)70326-2](http://dx.doi.org/10.1016/S2214-109X(14)70326-2)
5. **Luby SP**. The pandemic potential of Nipah virus. *Antiviral Research.* 2013 Oct; 100(1):38-43.
6. **Luby SP**, Gurley ES. Epidemiology of henipavirus disease in humans. *Curr Top Microbiol Immunol.* 2012 Jul 1; 359:25-40.
7. Gurley ES, **Luby SP**. Nipah virus transmission in South Asia: exploring the mysteries and addressing the problems. *Future Virology.* 2011 Aug; 6(8), 897-900.
8. Curtis V, Schmidt W, **Luby S**, Florez R, Touré O, Biran A. Hygiene: new hopes, new horizons? *Lancet Infect Dis.* 2011 Apr; 11(4):312-21.
9. **Luby SP**, Debnath NC, Rahman M. Improving Human Health through a One Health Approach in Bangladesh. *Health and Science Bulletin.* 2011 Mar; 9(1):17-20.
10. **Luby SP**, Gurley ES, Hossain MJ. Transmission of human infection with Nipah virus. *Clin Infect Dis.* 2009 Dec 1; 49(11):1743-8.
11. **Luby SP**, Brooks WA, Saha SK, el-Arifeen S, Naheed A, Sack D, Breiman RF. Use of multiple surveillance modalities to assess the epidemiology of *Streptococcus Pneumoniae* infection in Bangladesh. *Clin Infect Dis.* 2009 Mar 1; 48 Suppl 2:S97-102.
12. Clasen T, Bartram J, Colford J, **Luby S**, Quick R, Sobsey M. Comment on "Household water treatment in poor populations: is there enough evidence for scaling up now?" *Environ Sci Technol.* 2009 Jul 15; 43(14):5542-4.
13. **Luby S**, Brooks WA, Zaman K, Hossain S, Ahmed T. Infectious diseases and vaccine sciences: Strategic directions. *J Health Popul Nutr.* 2008 Sep; 26(3):295-310.
14. **Luby S**. Water Quality in South Asia. *J Health Popul Nutr.* 2008 Jun; 26(2):123-4.

15. **Luby SP**, Curtis V. Commentary: Hand washing for preventing diarrhoea. *Int J Epidemiol*. 2008 Jun; 37(3):470-3.
16. **Luby SP**. Quality of drinking water. *BMJ*. 2007 Apr 14; 334(7597):755-6.
17. Epstein JH, Field HE, **Luby S**, Pulliam JRC, Daszak P. Nipah virus: impact, origins and causes of emergence. *Current Infectious Disease Reports*. 2006 Jan; 8(1):59-65.
18. **Luby SP**, Agboatwalla M. Handwashing promotion and childhood diarrhea in Pakistan (letter). *JAMA*. 2004 Oct 13, 292(14):1682-3.
19. **Luby S**. The role of handwashing in improving hygiene and health in low-income countries. *American Journal of Infection Control*. 2001 Aug; 29(4):239-40.
20. **Luby S**. Injection Safety. *Emerging Infectious Diseases*. 2001 Jun; 7(3 Suppl):535.
21. Jones JL, **Luby S**, Gamble WB. Disease reporting in South Carolina. *Journal of the South Carolina Medical Association*. 1991 Feb; 87(2):69-70.

Submitted Manuscripts

1. Stewart CP, Dewey KG, Lin A, Jannat K, Ali S, Arnold CD, Byrd KA, Arnold BF, Allen LH, Shahab-Ferdows S, Ercumen A, Grembi JA, Naser AM, Rahman M, Unicomb L, Colford JM, **Luby SP**. Effects of lipid based nutrient supplements and infant and young child feeding counseling with or without improved WASH on anemia and micronutrient status: a cluster randomized trial in Bangladesh. *Am J Clin Nutr*. Submitted.
2. Satter SM, Aliabadi N, Gastañaduy PA, Haque W, Mamun A, Flora MS, Zaman K, Rahman M, Heffelfinger JD, **Luby SP**, Gurley ES, Parashar UD. An Update from Hospital-Based Surveillance for Rotavirus Gastroenteritis Among Young Children in Bangladesh, July 2012 to June 2017. *Vaccine*. Submitted.
3. Marks F, Panzner U, Ali M, Baker S, Deerin JF, Eltayeb MA, Cruz Espinosa LM, Gasmelseed N, Im J, Kalckreuth VV, Keddy KH, Pak GD, Park JK, Park SE, Sooka A, Sow AG, Tall A, Wierzba TF, **Luby SP**, Meyer CG. Geospatial sampling frames for household-based studies: Lessons learned from a multi-country surveillance network in Senegal, South Africa and Sudan. *Acta Tropica*. Submitted.
4. Najnin N, Leder K, Forbes A, Unicomb L, Winch PJ, Ram PK, Nizame FA, Arman S, Begum F, Biswas S, Cravioto A, **Luby SP**. Impact of a large-scale hand washing intervention on reported respiratory illness: findings from a cluster randomized control trial. *BMC Public Health*. Submitted.
5. Rimi NA, Sultana R, Ishtiaq-Ahmed K, Haider N, Azziz-Baumgartner E, Nahar N, **Luby SP**. Where backyard poultry raisers seek care for sick poultry: implications for avian influenza prevention in Bangladesh. *BMC Public Health*. Submitted.
6. Bhutta Z, Gaffey M, Crump J, Steele D, Breiman R, Mintz ED, Black R, **Luby SP**, Levine M, Als D. Typhoid fever: a way forward. *PLoS Negl Trop Dis*. Submitted.

7. Naziat H, Saha S, Islam M, Saha S, Uddin MJ, Hussain M, **Luby SP**, Darmstadt GL, Whitney CG, Gessner BD, Saha SK. Epidemiology of otitis media with otorrhea among Bangladeshi children and possible impact of pneumococcal conjugate vaccine. *Pediatr Infect Dis J*. Submitted.
8. Lin A, Ercumen A, Benjamin-Chung J, Arnold BF, Das S, Haque R, Ashraf S, Parvez SM, Unicomb L, Rahman M, Hubbard AE, Stewart CP, Colford JM, **Luby SP**. Effects of water, sanitation, handwashing, and nutritional interventions on enteric protozoan infections in young children: a cluster-randomised controlled trial in rural Bangladesh. *Lancet Infect Dis*. Submitted.
9. Sultana F, Unicomb L, Nizame F, Dutta N, Ram PK, Winch PJ, **Luby SP**. Acceptability and feasibility of sharing a soapy water system for handwashing in a low-income urban community in Dhaka, Bangladesh: a qualitative study. *Am J Trop Med Hyg*. Submitted.
10. Biswas D, Gurley ES, Rutherford S, **Luby SP**. The drivers and impacts of selling topsoil for brick making in Bangladesh. *Environmental Management*. Submitted.
11. Epstein JH, Anthony SJ, Islam A, Kilpatrick AM, Khan SA, Sanchez M, Ross N, Smith I, Zambrana-Torrel C, Tao Y, Islam A, Quan PL, Olival KJ, Gurley ES, Hossein MJ, Field HE, Fielder MD, Briese T, Rahman M, Cramer G, Wang LF, **Luby SP**, Lipkin WI, Daszak P. Viral dynamics in bats drive timing of Nipah virus outbreaks in Bangladesh. *Science Advances*. Submitted.
12. Parveen S, Nasreen S, Allen JV, Kamm KB, Khan S, Akter S, Lopa TM, Zaman K, El Arifeen S, **Luby SP**, Ram PK. Barriers to and motivators of handwashing behavior among mothers of neonates in rural Bangladesh. *BMC Public Health*. Submitted.
13. Openshaw JJ, Medina A, Felt SA, Li T, Huan Z, Rozelle S, **Luby SP**. Prevalence and risk factors for *Taenia solium* cysticercosis and attitudes towards anthelmintics in school-aged children: a school based survey in western Sichuan, People's Republic of China. *PLOS Neglected Tropical Diseases*. Submitted.
14. **Luby SP**, Davis J, Brown RR, Gorelick SM, Wong THF. Tools for Cholera Control in Asia: Water and Sanitation, Hygiene and Behavior. *Vaccine*. Submitted.
15. **Luby SP**. Urban Slums, a Supportive Ecosystem for Typhoidal Salmonellas. *Journal of Infectious Diseases*. Submitted.
16. Khan SU, Gurley ES, Gerloff N, Rahman MZ, Simpson N, Rahman M, Haider N, Chowdhury S, Balish A, Zaman RU, Nasreen S, Das BC, Azziz-Baumgartner E, Donis RO, **Luby SP**. Avian influenza surveillance in domestic waterfowl and environment of live bird markets in Bangladesh, 2007-2012. *Scientific Reports*. Submitted.
17. Hegde ST, Salje H, Sazzad HMS, Hossain J, Rahman M, Daszak P, **Luby SP**, Gurley ES. Using healthcare seeking behaviors to estimate the number of Nipah outbreaks missed by hospital-based surveillance in Bangladesh. *J Infect Dis*. Submitted.
18. Islam M, Ercumen A, Ashraf S, Rahman M, Shoab AK, **Luby SP**, Unicomb L. Unsafe disposal of feces of children <3 years among households with latrine access in rural Bangladesh: association with

household characteristics, fly presence and child diarrhea. *PLoS One*. Submitted.

19. Unicomb L, Begum F, Leontsini E, Rahman M, Ashraf S, Naser AM, Nizame FA, Jannat K, Hussain F, Parvez SM; Arman S, Mobashara M, **Luby SP**, Winch PJ. WASH Benefits Study Bangladesh; Intervention Delivery and Performance Part I: Delivery system of large scale water quality, sanitation, handwashing and child nutrition interventions for an efficacy trial in rural Bangladesh. *Trials*. Submitted.
20. Rahman MM, Ashraf S, Unicomb L, Mainuddin AKM, Parvez SM, Begum F, Das KK, Naser AM, Hussain F, Clasen TF, **Luby SP**, Leontsini E, Winch PJ. WASH Benefits Study Bangladesh - Intervention Delivery and Performance Part II: System for monitoring and improving implementation fidelity, in large scale water quality, sanitation, handwashing and child nutrition interventions for an efficacy trial in rural Bangladesh. *Trials*. Submitted.
21. Parvez SM, Azad R, Rahman MM, Unicomb L, Ram PK, Naser AM, Stewart CP, Jannat K, Rahman MJ, Leontsini E, Winch PJ, **Luby SP**. WASH Benefits Study Bangladesh - Intervention Delivery and Performance Part III: Technology and behavioural uptake of individual and combined large scale water quality, sanitation, handwashing and child nutrition interventions for an efficacy trial in rural Bangladesh. *Trials*. Submitted.
22. Huda TMN, Schmidt WP, Pickering AJ, Unicomb L, Mahmud ZH, **Luby SP**, Biran A. Effect of neighbourhood sanitation coverage on faecal contamination of the household environment in rural Bangladesh. *American Journal of Tropical Medicine & Hygiene*. Submitted.
23. 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.
24. 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.
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 RK, 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 SK, Ray C (eds.), *Disease Ecology: Community structure and pathogen dynamics*. Oxford University Press, 2006; (Chapter 13) pp. 186-201.
2. Larson CP, Henning L, **Luby SP**, Faruque ASG. Infectious Childhood Diarrhea in Developing Countries. In: Kramer A, Kretzschmar M, Krickeberg K (eds.), *Modern Infectious Disease Epidemiology: Concepts, Methods, Mathematical Models and Public Health*. New York: Springer,

2010; (Chapter 17) 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. Emerging and re-emerging diseases. In: Morain S & Budge A (eds.), *Environmental Tracking for Public Health Surveillance*. London: Taylor and Francis Group, 2013; (Chapter 5) pp. 187-226.
4. **Luby SP**. The Cultural Anthropological Contribution to Communicable Disease Epidemiology. In: Banwell C, Uligaszek S, Dixon J (eds.), *When Culture Impacts Health: Global Lessons for Effective Health Research*. Waltham, MA: Academic Press, Elsevier, 2013; (Chapter 5) pp. 43-52.
5. Arman S, Unicomb L, **Luby SP**. A qualitative exploration of factors affecting uptake of water treatment technology in rural Bangladesh. In: Banwell C, Uligaszek S, Dixon J (eds.), *When Culture Impacts Health: Global Lessons for Effective Health Research*. Waltham, MA: Academic Press, Elsevier, 2013; (Chapter 18) pp. 205-214.
6. Parveen S, Sultana R, **Luby SP**, Gurley ES. Anthropological approaches to outbreak investigations in Bangladesh. In: Banwell C, Uligaszek S, Dixon J (eds.), *When Culture Impacts Health: Global Lessons for Effective Health Research*. Waltham, MA: Academic Press, Elsevier, 2013; (Chapter 19) pp. 215-224.
7. Islam MSI, **Luby SP**, Gurley ES. Developing culturally appropriate interventions to prevent person-to-person transmission of Nipah Virus in Bangladesh: cultural epidemiology in action. In: Banwell C, Uligaszek S, Dixon J (eds.), *When Culture Impacts Health: Global Lessons for Effective Health Research*. Waltham, MA: Academic Press, Elsevier, 2013; (Chapter 28) pp. 329-337.
8. **Luby SP**. *Salmonella* Typhi and *Salmonella* Paratyphi. In: Motarjemi Y (ed.), *Encyclopedia of Food Safety*, Volume 1. Waltham, MA: Academic Press, Elsevier, 2014. (Bacteria) pp. 515-522.
9. **Luby SP**. Nipah Virus. In: Motarjemi Y (ed.), *Encyclopedia of Food Safety*, Volume 2. Waltham, MA: Academic Press, Elsevier, 2014; (Viruses) pp. 214-217.
10. **Luby SP**, Broder CC. Paramyxoviruses: Henipaviruses. In: Kaslow RA et al (eds.), *Viral Infections of Humans: Epidemiology and Control*. New York: Springer, 2014. doi: 10.1007/978-1-4899-7448-8_22.
11. **Luby SP**, Gurley ES. Epidemiology of Henipaviruses. In: Shapshak P et al (eds.), *Global Virology I - Identifying and Investigating Viral Diseases*. New York: Springer, 2015; (Chapter 4) pp. 55-71.
12. **Luby SP**, Nahar N, Gurley ES. Reducing the risk of foodborne transmission of Nipah virus. In: Jay-Russell M et al (eds.) *Food Safety Risks from Wildlife: Challenges in Agriculture, Conservation and Public Health*. New York: Springer, 2016; (Chapter 6) pp. 151-167.

Selected Invited Presentations

“Can global health efforts avert imminent human extinction?” 2018 Stanley O. Foster lecture. Emory University. Atlanta, GA, USA. March 19, 2018.

“Pandemic/Epidemic Potential of Nipah virus” Nipah Research and Development Roadmap Consultation. Wellcome Trust, London, UK. March 1, 2018.

“Spectacular Growth of Megacities Requires New Approaches to Water & Sanitation for the Urban Poor” National Academy of Medicine Annual Meeting. Washington, DC, USA October 15, 2017.

“WASH + Nutrition Benefits Bangladesh: Initial Outcomes.” Experimental Biology 2017 Chicago, April 24, 2017.

“The cultural anthropological contribution to diarrheal disease prevention.” American Society of Tropical Medicine and Hygiene Annual meeting, Atlanta, November 14, 2016

“Can public health efforts avert imminent human extinction?” Richard V. Lee, MD Lectureship in Global Health. University at Buffalo, New York, NY, USA. 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, China. 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, Switzerland. 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.

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

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

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

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

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

“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.

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

“Nipah virus outbreaks in Bangladesh.” Asia-Pacific Congress of Medical Virology. Adelaide, South Australia. June 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, surveillance and control of Nipah virus infections in Bangladesh.” WHO Joint Inter-country Workshop on Nipah, Hendra and Ebola-Reston viruses, Research and Public Health. Maroochydore, Queensland, Australia. October 13, 2010.

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

“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.

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

“Foodborne transmission of Nipah Virus in Bangladesh.” International Meeting on Emerging Diseases and Surveillance. Vienna, Austria. February 14, 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, US. 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 P. “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 G. “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.
20. Singer TG. "Potential effects of increased global temperatures on neurological development factors in children under 5 years in east Africa: a modeling study." MSc, Stanford (Emmett Interdisciplinary Program in Environment and Resources), 2015.
21. Nahar N. "A behavior change communication intervention trial to reduce the risk of Nipah virus spillover in Bangladesh." PhD, Swiss Tropical and Public Health Institute, 2017.
22. Bagge W. "The landscape epidemiology of zoonotic diseases: Rodent-borne Bartonella and livestock anthrax." PhD, Stanford (Emmett Interdisciplinary Program in Environment and Resources), 2017.

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 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 2013)

Lancet, *British Medical Journal*, *Proceedings of the National Academy of Sciences*, *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*, *BMJ Open*, *Social Science and Medicine*, *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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