

# Stanford


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## Stephen Luby

Professor of Medicine (Infectious Diseases) and Senior Fellow at the Woods Institute and the Freeman Spogli Institute and Professor, by courtesy, of Health Research and Policy (Epidemiology)

Medicine - Infectious Diseases

 Curriculum Vitae available Online

### Bio

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#### BIO

Dr. Luby studied philosophy and earned a Bachelor of Arts summa cum laude from Creighton University. He earned his medical degree from the University of Texas Southwestern Medical School at Dallas and completed his residency in internal medicine at the University of Rochester-Strong Memorial Hospital. He studied epidemiology and preventive medicine at the Centers for Disease Control and Prevention.

Dr. Luby's previous positions include directing the Centre for Communicable Diseases at the International Centre for Diarrhoeal Diseases Research, Bangladesh in Dhaka, Bangladesh from 2004 - 2012, conducting research and teaching epidemiology at the Aga Khan University in Karachi, Pakistan from 1993 - 1998, and working as an epidemiologist in the Foodborne and Diarrheal Diseases Branch of the U.S. Centers for Disease Control and Prevention.

#### ACADEMIC APPOINTMENTS

- Professor, Medicine - Infectious Diseases
- Senior Fellow, Stanford Woods Institute for the Environment
- Senior Fellow, Freeman Spogli Institute for International Studies
- Professor (By courtesy), Health Research & Policy
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)

#### ADMINISTRATIVE APPOINTMENTS

- Director of Research, Stanford Center for Innovation in Global Health, (2012- present)
- Associate Director for Diversity & Inclusion, Emmett Interdisciplinary Program in Environment and Resources, (2017- present)

#### HONORS AND AWARDS

- Alexander D. Langmuir Prize, Centers for Disease Control and Prevention (2001)
- Favourite paper in infectious diseases, Lancet Infectious Diseases (2005)
- Shepard Award, Centers for Disease Control and Prevention (2006, 2014 & 2015)
- International WaTER Prize, Oklahoma University (2009)
- Medal of Excellence in Global Health, Center for Global Health, Centers for Disease Control and Prevention (2012)
- Begum Rokeya Sakhawat Hossain Teaching Excellence Award, James P Grant School of Public Health (2012, 2014, 2015)

## PROFESSIONAL EDUCATION

- Fellowship, Centers for Disease Control and Prevention , Epidemiology (1992)
- Residency, Strong Memorial Hospital , Internal Medicine (1989)
- Internship, Strong Memorial Hospital , Internal Medicine (1987)
- MD, University of Texas, Southwestern , Medicine (1986)
- BA, Creighton University , Philosophy (1981)
- Board Certification, American Board of Internal Medicine , Internal Medicine (1989)

## COMMUNITY AND INTERNATIONAL WORK

- Improving brick manufacturing, Bangladesh
- RISE -- Revitalizing Informal Settlements and their Environment, Suva, Fiji; Makassar, Indonesia
- Assessing Typhoid conjugate vaccine, Navi Mumbai, India
- Liberia Handwashing, Liberia
- Windows ventilation, Dhaka, Bangladesh
- Pigs and parasites, Sichuan Province, China
- RINEW -- Integrated effort to improve early child development
- WASH Benefits, Rural Bangladesh
- Lotus Water, Dhaka, Bangladesh
- Burden of pneumococcal disease, Bangladesh
- Lead exposure in rural Bangladesh, Bangladesh

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Luby's research interests include identifying and interrupting pathways of infectious disease transmission in low income countries. He works primarily in Bangladesh but also has projects in Western China and Liberia. His ongoing work includes 1) assessing the impact on health and child cognitive development of scalable strategies to improve water, sanitation and hygiene; 2) efforts to better understand the burden of disease from typhoid fever and evaluating approaches to reduce that burden; 3) developing and evaluating interventions to reduce the risk of a Nipah virus pandemic; 4) evaluating the impact of the Bangladesh national vaccine program on the burden of pneumococcal and Haemophilus influenzae type B infection..

### CLINICAL TRIALS

- Feasibility of Implementing RINEW Through the Government System, Recruiting
- Typhoid Conjugate Vaccine Introduction in Navi Mumbai, India, Recruiting
- Automatic Chlorination and Child Health in Urban Bangladesh, Not Recruiting
- Optimizing Ventilation to Improve Health, Not Recruiting
- Safety and Efficacy of Probiotics in Bangladeshi Infants, Not Recruiting
- WASH Benefits Bangladesh, Not Recruiting

## Teaching

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### COURSES

2019-20

- Independent study: ENVRES 199, ENVRES 299 (Aut)
- Practical Approaches to Global Health Research: HRP 237, INTLPOL 290, MED 226 (Win)
- Preventing Human Extinction: THINK 65 (Spr)
- Theories of Change in Global Health: INTLPOL 291, SOMGEN 207 (Spr)

#### **2018-19**

- Independent study: ENVRES 199, ENVRES 299 (Aut)
- Practical Approaches to Global Health Research: HRP 237, INTLPOL 290, MED 226 (Win)
- Preventing Human Extinction: THINK 65 (Spr)

#### **2017-18**

- Making Things Happen in the Real World: Leadership and Implementation: IPS 216 (Spr)
- Practical Approaches to Global Health Research: HRP 237, IPS 290, MED 226 (Aut)
- Theories of Change in Global Health: SOMGEN 207 (Spr)

#### **2016-17**

- Making Things Happen in the Real World: Leadership and Implementation: IPS 216 (Spr)
- Practical Approaches to Global Health Research: HRP 237, IPS 290, MED 226 (Win)
- Theories of Change in Global Health: SOMGEN 207 (Spr)

### **STANFORD ADVISEES**

#### **Doctoral Dissertation Reader (AC)**

Laura Bloomfield, Daniel Smith

#### **Postdoctoral Faculty Sponsor**

Jenna Forsyth, Laura Kwong, Joelle Rosser, Ashley Styczynski

#### **Doctoral Dissertation Co-Advisor (AC)**

Nina Brooks, Caroline Muraida

#### **Doctoral (Program)**

Nina Brooks, Allie Sherris

#### **Postdoctoral Research Mentor**

Joelle Rosser, Ashley Styczynski

### **GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS**

- Infectious Diseases (Fellowship Program)
- Pediatric Infectious Diseases (Fellowship Program)

### **Publications**

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#### **PUBLICATIONS**

- **Sources of Blood Lead Exposure in Rural Bangladesh** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*  
Forsyth, J. E., Weaver, K. L., Maher, K., Islam, M., Raqib, R., Rahman, M., Fendorf, S., Luby, S. P.  
2019; 53 (19): 11429–36
- **Effect of in-line drinking water chlorination at the point of collection on child diarrhoea in urban Bangladesh: a double-blind, cluster-randomised controlled trial** *LANCET GLOBAL HEALTH*

- Pickering, A. J., Crider, Y., Sultana, S., Swarouth, J., Goddard, F. B., Islam, S., Sen, S., Ayyagari, R., Luby, S. P.  
2019; 7 (9): E1247–E1256
- **Turmeric means "yellow" in Bengali: Lead chromate pigments added to turmeric threaten public health across Bangladesh.** *Environmental research*  
Forsyth, J. E., Nurunnahar, S., Islam, S. S., Baker, M., Yeasmin, D., Islam, M. S., Rahman, M., Fendorf, S., Ardoin, N. M., Winch, P. J., Luby, S. P.  
2019; 179 (Pt A): 108722
  - **Nipah Virus Transmission from Bats to Humans Associated with Drinking Traditional Liquor Made from Date Palm Sap, Bangladesh, 2011-2014** *EMERGING INFECTIOUS DISEASES*  
Islam, M. S., Sazzad, H. M., Satter, S. M., Sultana, S., Hossain, M. J., Hasan, M., Rahman, M., Campbell, S., Cannon, D. L., Strocher, U., Daszak, P., Luby, S. P., Gurley, et al  
2016; 22 (4): 664-670
  - **Evolving epidemiology of Nipah virus infection in Bangladesh: evidence from outbreaks during 2010-2011** *EPIDEMIOLOGY AND INFECTION*  
Chakraborty, A., Sazzad, H. M., Hossain, M. J., Islam, M. S., PARVEEN, S., Husain, M., Banu, S. S., Podder, G., Afroj, S., ROLLIN, P. E., Daszak, P., Luby, S. P., Rahman, et al  
2016; 144 (2): 371-380
  - **Towards sustainable public health surveillance for enteric fever.** *Vaccine*  
Luby, S. P., Saha, S., Andrews, J. R.  
2015; 33: C3-7
  - **Effects of Source- versus Household Contamination of Tubewell Water on Child Diarrhea in Rural Bangladesh: A Randomized Controlled Trial** *PLOS ONE*  
Ercumen, A., Naser, A. M., Unicomb, L., Arnold, B. F., Colford, J. M., Luby, S. P.  
2015; 10 (3)
  - **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*  
Pickering, A. J., Crider, Y., Amin, N., Bauza, V., Unicomb, L., Davis, J., Luby, S. P.  
2015; 10 (3)
  - **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*  
Pickering, A. J., Crider, Y., Amin, N., Bauza, V., Unicomb, L., Davis, J., Luby, S. P.  
2015; 10 (3): e0118397
  - **Is targeting access to sanitation enough?** *The Lancet. Global health*  
Luby, S.  
2014; 2 (11): e619-20
  - **Microbiological evaluation of the efficacy of soapy water to clean hands: a randomized, non-inferiority field trial.** *The American journal of tropical medicine and hygiene*  
Amin, N., Pickering, A. J., Ram, P. K., Unicomb, L., Najnin, N., Homaira, N., Ashraf, S., Abedin, J., Islam, M. S., Luby, S. P.  
2014; 91 (2): 415-423
  - **The Role of Landscape Composition and Configuration on Pteropus giganteus Roosting Ecology and Nipah Virus Spillover Risk in Bangladesh** *AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE*  
Hahn, M. B., Gurley, E. S., Epstein, J. H., Islam, M. S., Patz, J. A., Daszak, P., Luby, S. P.  
2014; 90 (2): 247-255
  - **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*  
Dreibelbis, R., Winch, P. J., Leontsini, E., Hurland, K. R., Ram, P. K., Unicomb, L., Luby, S. P.  
2013; 13
  - **The pandemic potential of Nipah virus.** *Antiviral research*  
Luby, S. P.  
2013; 100 (1): 38-43
  - **Household environmental conditions are associated with enteropathy and impaired growth in rural Bangladesh.** *The American journal of tropical medicine and hygiene*

- Lin, A., Arnold, B. F., Afreen, S., Goto, R., Huda, T. M., Haque, R., Raqib, R., Unicomb, L., Ahmed, T., Colford, J. M., Luby, S. P.  
2013; 89 (1): 130-137
- **Nipah virus outbreak in Bangladesh with nosocomial and corpse to human transmission.** *Emerging Infectious Diseases*  
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.  
2013; 19 (2): 210-17
  - **Improvements in child development following a cluster-randomized, controlled trial of intensive handwashing promotion in Karachi, Pakistan.** *Arch PediatrAdolesc Med*  
Bowen A, Agboatwalla M, Luby S, Tobery T, Ayers T, Hoekstra RM.  
2012; 166 (11): 1037-44
  - **Moving towards transformational WASH - Authors' reply.** *The Lancet. Global health*  
Pickering, A. J., Arnold, B. F., Prendergast, A. J., Null, C., Winch, P. J., Njenga, S. M., Rahman, M., Ntozini, R., Benjamin-Chung, J., Stewart, C. P., Colford, J. M., Luby, S., Humphrey, et al  
2019; 7 (11): e1494–e1495
  - **Soil ingestion among young children in rural Bangladesh.** *Journal of exposure science & environmental epidemiology*  
Kwong, L. H., Ercumen, A., Pickering, A. J., Unicomb, L., Davis, J., Leckie, J. O., Luby, S. P.  
2019
  - **Hospital-based zoonotic disease surveillance in Bangladesh: design, field data and difficulties.** *Philosophical transactions of the Royal Society of London. Series B, Biological sciences*  
Das, P., Sazzad, H. M., Aleem, M. A., Rahman, M. Z., Rahman, M., Anthony, S. J., Lipkin, W. I., Gurley, E. S., Luby, S. P., Openshaw, J. J.  
2019; 374 (1782): 20190019
  - **Effect of in-line drinking water chlorination at the point of collection on child diarrhoea in urban Bangladesh: a double-blind, cluster-randomised controlled trial.** *The Lancet. Global health*  
Pickering, A. J., Crider, Y., Sultana, S., Swarouth, J., Goddard, F. G., Anjerul Islam, S., Sen, S., Ayyagari, R., Luby, S. P.  
2019; 7 (9): e1247–e1256
  - **Effects of complexity of handwashing instructions on handwashing procedure replication in low-income urban slums in Bangladesh: a randomized non-inferiority field trial** *JOURNAL OF WATER SANITATION AND HYGIENE FOR DEVELOPMENT*  
Amin, N., Sagerman, D. D., Nizame, F. A., Das, K. K., Nuruzzaman, M., Yu, J., Unicomb, L., Luby, S. P., Ram, P. K.  
2019; 9 (3): 416–28
  - **The implications of three major new trials for the effect of water, sanitation and hygiene on childhood diarrhea and stunting: a consensus statement.** *BMC medicine*  
Cumming, O., Arnold, B. F., Ban, R., Clasen, T., Esteves Mills, J., Freeman, M. C., Gordon, B., Guiteras, R., Howard, G., Hunter, P. R., Johnston, R. B., Pickering, A. J., Prendergast, et al  
2019; 17 (1): 173
  - **Broad approaches to cholera control in Asia: Water, sanitation and handwashing.** *Vaccine*  
Luby, S. P., Davis, J., Brown, R. R., Gorelick, S. M., Wong, T. H.  
2019
  - **The WASH Benefits and SHINE trials: interpretation of WASH intervention effects on linear growth and diarrhoea.** *The Lancet. Global health*  
Pickering, A. J., Null, C., Winch, P. J., Mangwadu, G., Arnold, B. F., Prendergast, A. J., Njenga, S. M., Rahman, M., Ntozini, R., Benjamin-Chung, J., Stewart, C. P., Huda, T. M., Moulton, et al  
2019; 7 (8): e1139–e1146
  - **Groundwater iron has the ground: Low prevalence of anemia and iron deficiency anemia in Bangladesh Reply** *AMERICAN JOURNAL OF CLINICAL NUTRITION*  
Stewart, C. P., Dewey, K. G., Colford, J. M., Rahman, M., Luby, S. P.  
2019; 110 (2): 520
  - **Using healthcare-seeking behaviour to estimate the number of Nipah outbreaks missed by hospital-based surveillance in Bangladesh** *INTERNATIONAL JOURNAL OF EPIDEMIOLOGY*  
Hegde, S. T., Salje, H., Sazzad, H. S., Hossain, M., Rahman, M., Daszak, P., Klena, J. D., Nichol, S. T., Luby, S. P., Gurley, E. S.  
2019; 48 (4): 1219–27

- **Hygiene in Restaurants and among Street Food Vendors in Bangladesh.** *The American journal of tropical medicine and hygiene*  
Nizame, F. A., Alam, M. U., Masud, A. A., Shoab, A. K., Opel, A., Islam, M. K., Luby, S. P., Unicomb, L.  
2019
- **Groundwater Chemistry and Blood Pressure: A Cross-Sectional Study in Bangladesh.** *International journal of environmental research and public health*  
Naser, A. M., Clasen, T. F., Luby, S. P., Rahman, M., Unicomb, L., Ahmed, K. M., Doza, S., Ourshalimian, S., Chang, H. H., Stowell, J. D., Narayan, K. M., Shamsudduha, M., Patel, et al  
2019; 16 (13)
- **Effect of household relocation on child vaccination and health service utilisation in Dhaka, Bangladesh: a cross-sectional community survey** *BMJ OPEN*  
Horng, L., Kakoly, N., Abedin, J., Luby, S. P.  
2019; 9 (3)
- **The WASH Benefits and SHINE Trials. Interpretation of Findings on Linear Growth and Diarrhoea and Implications for Policy: Perspective of the Investigative Teams (P10-136-19).** *Current developments in nutrition*  
Humphrey, J., Pickering, A., Null, C., Winch, P., Mangwadu, G., Arnold, B., Prendergast, A., Njenga, S., Rahman, M., Ntozini, R., Benjamin-Chung, J., Stewart, C., Huda, et al  
2019; 3 (Suppl 1)
- **Risk and Response to Biological Catastrophe in Lower Income Countries.** *Current topics in microbiology and immunology*  
Luby, S., Arthur, R.  
2019
- **Reply to S Rahman and S Ireen.** *The American journal of clinical nutrition*  
Stewart, C. P., Dewey, K. G., Colford, J. M., Rahman, M., Luby, S. P.  
2019
- **Transmission of Nipah Virus-14 Years of Investigations in Bangladesh** *NEW ENGLAND JOURNAL OF MEDICINE*  
Nikolay, B., Salje, H., Hossain, M., Khan, A., Sazzad, H. S., Rahman, M., Daszak, P., Stroher, U., Pulliam, J. C., Kilpatrick, A., Nichol, S. T., Klena, J. D., Sultana, et al  
2019; 380 (19): 1804–14
- **Drinking Water Salinity, Urinary Macro-Mineral Excretions, and Blood Pressure in the Southwest Coastal Population of Bangladesh.** *Journal of the American Heart Association*  
Naser, A. M., Rahman, M., Unicomb, L., Doza, S., Gazi, M. S., Alam, G. R., Karim, M. R., Uddin, M. N., Khan, G. K., Ahmed, K. M., Shamsudduha, M., Anand, S., Narayan, et al  
2019; 8 (9): e012007
- **Drinking Water Salinity, Urinary Macro-Mineral Excretions, and Blood Pressure in the Southwest Coastal Population of Bangladesh** *JOURNAL OF THE AMERICAN HEART ASSOCIATION*  
Naser, A., Rahman, M., Unicomb, L., Doza, S., Gazi, M., Alam, G., Karim, M., Uddin, M., Khan, G., Ahmed, K., Shamsudduha, M., Anand, S., Narayan, et al  
2019; 8 (9)
- **Effects of water, sanitation, handwashing and nutritional interventions on soil-transmitted helminth infections in young children: A cluster-randomized controlled trial in rural Bangladesh.** *PLoS neglected tropical diseases*  
Ercumen, A., Benjamin-Chung, J., Arnold, B. F., Lin, A., Hubbard, A. E., Stewart, C., Rahman, Z., Parvez, S. M., Unicomb, L., Rahman, M., Haque, R., Colford, J. M., Luby, et al  
2019; 13 (5): e0007323
- **Effects of water, sanitation, handwashing and nutritional interventions on soil-transmitted helminth infections in young children: A cluster-randomized controlled trial in rural Bangladesh** *PLOS NEGLECTED TROPICAL DISEASES*  
Ercumen, A., Benjamin-Chung, J., Arnold, B. F., Lin, A., Hubbard, A. E., Stewart, C., Rahman, Z., Parvez, S., Unicomb, L., Rahman, M., Haque, R., Colford, J. M., Luby, et al  
2019; 13 (5)
- **Using healthcare-seeking behaviour to estimate the number of Nipah outbreaks missed by hospital-based surveillance in Bangladesh.** *International journal of epidemiology*  
Hegde, S. T., Salje, H., Sazzad, H. M., Hossain, M. J., Rahman, M., Daszak, P., Klena, J. D., Nichol, S. T., Luby, S. P., Gurley, E. S.  
2019
- **Effects of water, sanitation, handwashing, and nutritional interventions on environmental enteric dysfunction in young children: a cluster-randomized controlled trial in rural Bangladesh.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*

- Lin, A., Ali, S., Arnold, B. F., Rahman, M. Z., Alauddin, M., Grembi, J., Mertens, A. N., Famida, S. L., Akther, S., Hossen, M. S., Mutsuddi, P., Shoab, A. K., Hussain, et al  
2019
- **Effect of household relocation on child vaccination and health service utilisation in Dhaka, Bangladesh: a cross-sectional community survey.** *BMJ open*  
Horng, L., Kakoly, N. S., Abedin, J., Luby, S. P.  
2019; 9 (3): e026176
  - **An epidemic of chikungunya in northwestern Bangladesh in 2011** *PLOS ONE*  
Haque, F., Rahman, M., Banu, N., Sharif, A., Jubayer, S., Shamsuzzaman, A. M., Alamgir, A. M., Erasmus, J. H., Guzman, H., Forrester, N., Luby, S. P., Gurley, E. S.  
2019; 14 (3): e0212218
  - **Planetary Health Alliance 2019 call for abstracts.** *The Lancet. Planetary health*  
Almada, A., Myers, S. S., Golden, C. D., Burke, K. S., Luby, S. P.  
2019
  - **Age-related changes to environmental exposure: variation in the frequency that young children place hands and objects in their mouths.** *Journal of exposure science & environmental epidemiology*  
Kwong, L. H., Ercumen, A., Pickering, A. J., Unicomb, L., Davis, J., Luby, S. P.  
2019
  - **Sand Barriers around Latrine Pits Reduce Fecal Bacterial Leaching into Shallow Groundwater: A Randomized Controlled Trial in Coastal Bangladesh.** *Environmental science & technology*  
Naser, A. M., Doza, S., Rahman, M., Ahmed, K. M., Gazi, M. S., Alam, G. R., Karim, M. R., Khan, G. K., Uddin, M. N., Mahmud, M. I., Ercumen, A., Rosenbaum, J., Annis, et al  
2019
  - **Effect of Neighborhood Sanitation Coverage on Fecal Contamination of the Household Environment in Rural Bangladesh.** *The American journal of tropical medicine and hygiene*  
Huda, T. M., Schmidt, W., Pickering, A. J., Unicomb, L., Mahmud, Z. H., Luby, S. P., Biran, A.  
2019
  - **Effects of lipid-based nutrient supplements and infant and young child feeding counseling with or without improved water, sanitation, and hygiene (WASH) on anemia and micronutrient status: results from 2 cluster-randomized trials in Kenya and Bangladesh.** *The American journal of clinical nutrition*  
Stewart, C. P., Dewey, K. G., Lin, A., Pickering, A. J., Byrd, K. A., Jannat, K., Ali, S., Rao, G., Dentz, H. N., Kiprotich, M., Arnold, C. D., Arnold, B. F., Allen, et al  
2019
  - **Impact of a Large-Scale Handwashing Intervention on Reported Respiratory Illness: Findings from a Cluster-Randomized Controlled Trial.** *The American journal of tropical medicine and hygiene*  
Najnin, N., Leder, K., Forbes, A., Unicomb, L., Winch, P. J., Ram, P. K., Nizame, F. A., Arman, S., Begum, F., Biswas, S., Cravioto, A., Luby, S. P.  
2019
  - **Comparison of Urinary Sodium and Blood Pressure Relationship From the Spot Versus 24-Hour Urine Samples.** *Journal of the American Heart Association*  
Naser, A. M., Rahman, M., Unicomb, L., Doza, S., Anand, S., Chang, H. H., Luby, S. P., Clasen, T. F., Narayan, K. M.  
2019; 8 (21): e013287
  - **Microbiological contamination of young children's hands in rural Bangladesh: Associations with child age and observed hand cleanliness as proxy.** *PloS one*  
Parvez, S. M., Azad, R., Pickering, A. J., Kwong, L. H., Arnold, B. F., Rahman, M. J., Rahman, M. Z., Alam, M., Sen, D., Islam, S., Rahman, M., Colford, J. M., Luby, et al  
2019; 14 (9): e0222355
  - **Correction to: Age-related changes to environmental exposure: variation in the frequency that young children place hands and objects in their mouths.** *Journal of exposure science & environmental epidemiology*  
Kwong, L. H., Ercumen, A., Pickering, A. J., Unicomb, L., Davis, J., Luby, S. P.  
2019
  - **The Typhoid Fever Surveillance in Africa Program: Geospatial Sampling Frames for Household-based Studies: Lessons Learned From a Multicountry Surveillance Network in Senegal, South Africa, and Sudan.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*

- Baker, S., Ali, M., Deerin, J. F., Eltayeb, M. A., Cruz Espinoza, L. M., Gasmelseed, N., Im, J., Panzner, U., Kalckreuth, V. V., Keddy, K. H., Pak, G. D., Park, J. K., Park, et al  
2019; 69 (Supplement\_6): S474–S482
- **High prevalence of taeniasis and Taenia solium cysticercosis in children in western Sichuan, China.** *Acta tropica*  
Li, T., Chen, X., Wang, H., Openshaw, J. J., Zhong, B., Felt, S. A., Ito, A., Luby, S. P.  
2019: 105133
  - **Predictors of Enteric Pathogens in the Domestic Environment from Human and Animal Sources in Rural Bangladesh.** *Environmental science & technology*  
Fuhrmeister, E. R., Ercumen, A., Pickering, A. J., Jeanis, K. M., Ahmed, M., Brown, S., Arnold, B. F., Hubbard, A. E., Alam, M., Sen, D., Islam, S., Kabir, M. H., Kwong, et al  
2019
  - **Piloting a Shared Source Water Treatment Intervention among Elementary Schools in Bangladesh.** *The American journal of tropical medicine and hygiene*  
Yeasmin, F., Sultana, F., Unicomb, L., Nizame, F. A., Rahman, M. M., Kabir, H., Winch, P. J., Luby, S. P.  
2019
  - **Effectiveness of a Behavior Change Intervention with Hand Sanitizer Use and Respiratory Hygiene in Reducing Laboratory-Confirmed Influenza among Schoolchildren in Bangladesh: A Cluster Randomized Controlled Trial.** *The American journal of tropical medicine and hygiene*  
Biswas, D., Ahmed, M., Roguski, K., Ghosh, P. K., Parveen, S., Nizame, F. A., Rahman, M. Z., Chowdhury, F., Rahman, M., Luby, S. P., Sturm-Ramirez, K., Iuliano, A. D.  
2019
  - **Isolation and Full-Genome Characterization of Nipah Viruses from Bats, Bangladesh** *EMERGING INFECTIOUS DISEASES*  
Anderson, D. E., Islam, A., Cramer, G., Todd, S., Islam, A., Khan, S. U., Foord, A., Rahman, M. Z., Mendenhall, I. H., Luby, S. P., Gurley, E. S., Daszak, P., Epstein, et al  
2019; 25 (1): 166–70
  - **Epidemiology of Typhoid and Paratyphoid: Implications for Vaccine Policy.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*  
Saha, S., Islam, M. S., Sajib, M. S., Saha, S., Uddin, M. J., Hooda, Y., Hasan, M., Amin, M. R., Hanif, M., Shahidullah, M., Islam, M., Luby, S. P., Andrews, et al  
2019; 68 (Supplement\_2): S117–S123
  - **Complementary feeding practices among rural Bangladeshi mothers: Results from WASH Benefits study** *MATERNAL AND CHILD NUTRITION*  
Jannat, K., Luby, S. P., Unicomb, L., Rahman, M., Winch, P. J., Parvez, S. M., Das, K. K., Leontsini, E., Ram, P. K., Stewart, C. P.  
2019; 15 (1): e12654
  - **Transmission of Nipah Virus - 14 Years of Investigations in Bangladesh.** *The New England journal of medicine*  
Nikolay, B., Salje, H., Hossain, M. J., Khan, A. K., Sazzad, H. M., Rahman, M., Daszak, P., Ströher, U., Pulliam, J. R., Kilpatrick, A. M., Nichol, S. T., Klena, J. D., Sultana, et al  
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## **PRESENTATIONS**

- Global water shortages and health: Agenda for the coming decades. - University of Otago (11/7/2012)
- Epidemiology and Prevention of Human Nipah Virus Infection - Stanford University (10/3/2012)