




Stephen Luby

Lucy Becker Professor of Medicine, Senior Fellow at the Woods Institute for the Environment, Freeman Spogli Institute for International Studies and Professor, by courtesy, of Epidemiology and Population Health

Medicine - Infectious Diseases

 Curriculum Vitae available Online

Bio

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), Epidemiology and Population Health
- 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 Dean of Global Health Research, School of Medicine, (2019- 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)

PROGRAM AFFILIATIONS

- Science, Technology and Society

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

LINKS

- Luby Lab: <https://lubylab.stanford.edu>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Luby's research is focused on health in low and middle income countries and currently includes several themes:

Human and Planetary Health: A thriving human future requires a thriving planet. Dr. Luby's research group is engaged in a series of efforts to generate knowledge that will alter the way that bricks are manufactured across South Asia so that they generate less air pollution, less climate change and tens of thousands fewer deaths per year. This involves: 1) evaluating interventions in brick kilns to improve combustion efficiency and so simultaneously reduce coal costs for producers while generating less pollution and 2) using remote sensing to specify the location of brick kilns and ultimately evaluate their emissions. Another strand of his planetary health work looks at the release of lead into the environment in low and middle income countries, seeks to identify the sources of lead that is generating the greatest public health burden and develops and evaluates interventions to reduce this burden.

Practical Interventions to Reduce Infectious Disease Transmission: These activities include efforts to maximize the uptake of masks, water treatment and vaccines with careful evaluation of their impact. His research group explores strategies to reduce the risk of pathogen transmission in healthcare facilities in low and middle income countries.

Favorite infectious diseases: He continues to advance his long-standing interest in the epidemiology and prevention of Nipah virus and typhoid fever.

CLINICAL TRIALS

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

Teaching

COURSES

2024-25

- Designing Environmental Research: ENVRES 320 (Win)
- Human and Planetary Health: MED 103, PUBLPOL 183, SOC 103, SUSTAIN 103 (Aut)
- Practical Approaches to Global Health Research: EPI 237, INTLPOL 290, MED 226 (Aut)
- Preventing Human Extinction: COLLEGE 107 (Spr)
- Theories of Change in Global Health: INTLPOL 291, PUBLPOL 291, SOMGEN 207 (Win)

2023-24

- Designing Environmental Research: ENVRES 320 (Win)
- Human and Planetary Health: MED 103, PUBLPOL 183, SOC 103, SUSTAIN 103 (Aut)
- Practical Approaches to Global Health Research: EPI 237, INTLPOL 290, MED 226 (Aut)
- Preventing Human Extinction: COLLEGE 107 (Spr)
- Theories of Change in Global Health: INTLPOL 291, PUBLPOL 291, SOMGEN 207 (Win)

2022-23

- Human and Planetary Health: BIO 103, BIO 203, SOC 103, SUSTAIN 103 (Aut)
- Practical Approaches to Global Health Research: EPI 237, INTLPOL 290, MED 226 (Aut)
- Preventing Human Extinction: COLLEGE 107 (Spr)
- Theories of Change in Global Health: INTLPOL 291, PUBLPOL 291, SOMGEN 207 (Win)

2021-22

- Human and Planetary Health: BIO 103, BIO 203, SOC 103 (Aut)
- Practical Approaches to Global Health Research: EPI 237, INTLPOL 290, MED 226 (Win)
- Preventing Human Extinction: THINK 65 (Spr)
- Theories of Change in Global Health: INTLPOL 291, PUBLPOL 291, SOMGEN 207 (Spr)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Kirat Singh

Postdoctoral Faculty Sponsor

Anna Katharina Ferl, Seth Hoffman, Abraar Karan, Max Lamparth

Master's Program Advisor

Emma Buday

Doctoral Dissertation Co-Advisor (AC)

Ayako Kawano, Metta Nicholson, Aly Singleton, Jayson Toweh

Postdoctoral Research Mentor

Ronan Arthur, Seth Hoffman, Abraar Karan

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

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

Publications

PUBLICATIONS

- **Food safety policy enforcement and associated actions reduce turmeric lead chromate adulteration across Bangladesh.** *Environmental research*
Forsyth, J. E., Baker, M., Nurunnahar, S., Islam, S., Islam, M. S., Islam, T., Plambeck, E., Winch, P. J., Mistree, D., Luby, S. P., Rahman, M.
2023; 116328
- **Impact of community masking on COVID-19: A cluster-randomized trial in Bangladesh** *SCIENCE*
Abaluck, J., Kwong, L. H., Styczynski, A., Haque, A., Kabir, M., Bates-Jefferys, E., Crawford, E., Benjamin-Chung, J., Raihan, S., Rahman, S., Benhachmi, S., Bintee, N., Winch, et al
2022; 375 (6577): 160+
- **Assessing the feasibility of Nipah vaccine efficacy trials based on previous outbreaks in Bangladesh.** *Vaccine*
Nikolay, B., Ribeiro Dos Santos, G., Lipsitch, M., Rahman, M., Luby, S. P., Salje, H., Gurley, E. S., Cauchemez, S.
2021
- **Scalable deep learning to identify brick kilns and aid regulatory capacity.** *Proceedings of the National Academy of Sciences of the United States of America*
Lee, J., Brooks, N. R., Tajwar, F., Burke, M., Ermon, S., Lobell, D. B., Biswas, D., Luby, S. P.
2021; 118 (17)
- **Monitoring of diverse enteric pathogens across environmental and host reservoirs with TaqMan array cards and standard qPCR: a methodological comparison study.** *The Lancet. Planetary health*
Lappan, R. n., Henry, R. n., Chown, S. L., Luby, S. P., Higginson, E. E., Bata, L. n., Jirapanjawan, T. n., Schang, C. n., Openshaw, J. J., O'Toole, J. n., Lin, A. n., Tela, A. n., Turagabeci, et al
2021; 5 (5): e297–e308
- **Associations between ambient fine particulate matter and child respiratory infection: The role of particulate matter source composition in Dhaka, Bangladesh.** *Environmental pollution (Barking, Essex : 1987)*
Sherris, A. R., Begum, B. A., Baiocchi, M., Goswami, D., Hopke, P. K., Brooks, W. A., Luby, S. P.
2021; 290: 118073
- **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., Swarthout, 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. n., Islam, S. S., Baker, M. n., Yeasmin, D. n., Islam, M. S., Rahman, M. n., Fendorf, S. n., 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
- **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)
- **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., Hulland, 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
- **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
- **Implementing a group-based multi-component early child development intervention through the government health system in rural Bangladesh: A feasibility study.** *The International journal of health planning and management*
Rahman, M., Jahir, T., Akter, F., Yeasmin, F., Pitchik, H. O., Hasan, R., Das, J. B., Grant, H. X., Hossain, K., Sultana, J., Huda, T. M., Shoab, A., Khan, et al
2023
- **Human Exposure to Bats, Rodents and Monkeys in Bangladesh.** *EcoHealth*
Shanta, I. S., Luby, S. P., Hossain, K., Heffelfinger, J. D., Kilpatrick, A. M., Haider, N., Rahman, T., Chakma, S., Ahmed, S. S., Sharker, Y., Pulliam, J. R., Kennedy, E. D., Gurley, et al
2023
- **The lasting influence of Ebola: a qualitative study of community-level behaviors, trust, and perceptions three years after the 2014-16 Ebola epidemic in Liberia.** *BMC public health*
Arthur, R. F., Horng, L. M., Tandanpolie, A. F., Gilstad, J. R., Tantum, L. K., Luby, S. P.
2023; 23 (1): 682
- **Programmatic Effectiveness of a Pediatric Typhoid Conjugate Vaccine Campaign in Navi Mumbai, India.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Hoffman, S. A., LeBoa, C., Date, K., Haldar, P., Harvey, P., Shimpi, R., An, Q., Zhang, C., Jayaprasad, N., Horng, L., Fagerli, K., Borhade, P., Chakraborty, et al
2023

- **Assessing sustained uptake of latrine and child feces management interventions: Extended follow-up of a cluster-randomized controlled trial in rural Bangladesh 1-3.5 years after intervention initiation.** *International journal of hygiene and environmental health*
Islam, M., Rahman, M., Kafi, M. A., Unicomb, L., Rahman, M., Mertens, A., Benjamin-Chung, J., Arnold, B. F., Colford, J. M., Luby, S. P., Ercumen, A.
2023; 250: 114149
- **Concurrent validity of the Ages and Stages Questionnaire Inventory and the Bayley Scales of Infant and Toddler Development in rural Bangladesh.** *BMC pediatrics*
Pitchik, H. O., Tofail, F., Akter, F., Shoab, A. K., Sultana, J., Huda, T. M., Rahman, M., Winch, P. J., Luby, S. P., Fernald, L. C.
2023; 23 (1): 93
- **Effects of water, sanitation, and hygiene interventions on detection of enteropathogens and host-specific faecal markers in the environment: a systematic review and individual participant data meta-analysis.** *The Lancet. Planetary health*
Mertens, A., Arnold, B. F., Benjamin-Chung, J., Boehm, A. B., Brown, J., Capone, D., Clasen, T., Fuhrmeister, E., Grembi, J. A., Holcomb, D., Knee, J., Kwong, L. H., Lin, et al
2023; 7 (3): e197-e208
- **Nipah Virus Exposure in Domestic and Peridomestic Animals Living in Human Outbreak Sites, Bangladesh, 2013-2015** *EMERGING INFECTIOUS DISEASES*
Islam, A., Cannon, D. L., Rahman, M., Khan, S., Epstein, J. H., Daszak, P., Luby, S. P., Montgomery, J. M., Klens, J. D., Gurley, E. S.
2023; 29 (2): 393-396
- **Engaging boys in menstrual hygiene management (MHM) interventions in Bangladeshi schools: a pilot study to assess acceptability and feasibility** *JOURNAL OF WATER SANITATION AND HYGIENE FOR DEVELOPMENT*
Khan, R., Sarker, S., Sultana, F., Ul Alam, M., Mahfuz, M., Nuruzzaman, M., Robi, R., Al Masud, A., Khan, S., Hunter, E. C., Unicomb, L., Rahman, M., Luby, et al
2023
- **Paratype: a genotyping tool for Salmonella Paratyphi A reveals its global genomic diversity.** *Nature communications*
Tanmoy, A. M., Hooda, Y., Sajib, M. S., da Silva, K. E., Iqbal, J., Qamar, F. N., Luby, S. P., Dougan, G., Dyson, Z. A., Baker, S., Garrett, D. O., Andrews, J. R., Saha, et al
2022; 13 (1): 7912
- **Measuring Water Quantity Used for Personal and Domestic Hygiene and Determinants of Water Use in a Low-Income Urban Community.** *International journal of environmental research and public health*
Sultana, R., Nahar, N., Luby, S. P., Swarna, S. T., Gurley, E. S., Tamason, C. C., Khan, S., Rimi, N. A., Kabir, H., Saifullah, M. K., Howlader, S. R., Jensen, P. K.
2022; 19 (23)
- **Assessing Analytical Methods for the Rapid Detection of Lead Adulteration in the Global Spice Market.** *Environmental science & technology*
Lopez, A. M., Nicolini, C. M., Aeppli, M., Luby, S. P., Fendorf, S., Forsyth, J. E.
2022
- **Drinking Water Chlorination Impact on Fecal Carriage of Extended-Spectrum Beta-Lactamase-Producing Enterobacteriaceae in Bangladeshi Children in a Double-Blind, Cluster-Randomized Controlled Trial.** *Environmental health perspectives*
Montealegre, M. C., Greenwood, E. E., Teichmann, L., Nadimpalli, M. L., Caduff, L., Swarthout, J. M., Nydegger, T., Sultana, S., Islam, M. A., Lanza, V. F., Luby, S. P., Pickering, A. J., Julian, et al
2022; 130 (11): 117702
- **Co-administration of Oral Cholera Vaccine with Oral Polio Vaccine among Bangladeshi Young Children: A Randomized Controlled Open Label Trial to Assess Interference.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Islam, M. T., Date, K., Khan, A. I., Bhuiyan, T. R., Khan, Z. H., Ahmed, S., Hossain, M., Khaton, F., Zaman, K., McMillan, N. A., Anand, A., An, Q., Zhang, et al
2022
- **The effect of a large-scale water, sanitation and hygiene intervention in Bangladesh on knowledge, behaviour and health: Findings from an endline programme evaluation** *TROPICAL MEDICINE & INTERNATIONAL HEALTH*
Aluri, K., Halder, A. K., Islam, M., Benjamin-Chung, J., Alam, M., Shoab, A., Rahman, M., Unicomb, L., Luby, S. P.
2022
- **Influence of community-level sanitation coverage and population density on environmental fecal contamination and child health in a longitudinal cohort in rural Bangladesh.** *International journal of hygiene and environmental health*
Contreras, J. D., Islam, M., Mertens, A., Pickering, A. J., Kwong, L. H., Arnold, B. F., Benjamin-Chung, J., Hubbard, A. E., Alam, M., Sen, D., Islam, S., Rahman, M., Unicomb, et al

2022; 245: 114031

- **Preventive small-quantity lipid-based nutrient supplements reduce severe wasting and severe stunting among young children: an individual participant data meta-analysis of randomized controlled trials.** *The American journal of clinical nutrition*
Dewey, K. G., Arnold, C. D., Wessells, K. R., Prado, E. L., Abbeduto, S., Adu-Afaruwah, S., Ali, H., Arnold, B. F., Ashorn, P., Ashorn, U., Ashraf, S., Becquey, E., Brown, et al
2022
- **The Effect of Particulate Matter Exposure During Pregnancy on Pregnancy and Child Health Outcomes in South Asia: Protocol for an Instrumental Variable Analysis.** *JMIR research protocols*
Reitzug, F., Luby, S. P., Pullabhotla, H. K., Geldsetzer, P.
2022; 11 (8): e35249
- **Evaluation of an on-site sanitation intervention against childhood diarrhea and acute respiratory infection 1 to 3.5 years after implementation: Extended follow-up of a cluster-randomized controlled trial in rural Bangladesh.** *PLoS medicine*
Contreras, J. D., Islam, M., Mertens, A., Pickering, A. J., Arnold, B. F., Benjamin-Chung, J., Hubbard, A. E., Rahman, M., Unicomb, L., Luby, S. P., Colford, J. M., Ercumen, A.
2022; 19 (8): e1004041
- **Vertical outbreak of COVID-19 in high-rise buildings: the role of sewer stacks and prevention measures.** *Current opinion in environmental science & health*
Guo, Y., Li, X., Luby, S., Jiang, G.
2022: 100379
- **Incidence of typhoid and paratyphoid fever in Bangladesh, Nepal, and Pakistan: results of the Surveillance for Enteric Fever in Asia Project.** *The Lancet. Global health*
Garrett, D. O., Longley, A. T., Aiemjoy, K., Yousafzai, M. T., Hemlock, C., Yu, A. T., Vaidya, K., Tamrakar, D., Saha, S., Bogoch, I. I., Date, K., Saha, S., Islam, et al
2022; 10 (7): e978-e988
- **Nipah Virus Detection at Bat Roosts after Spillover Events, Bangladesh, 2012-2019** *EMERGING INFECTIOUS DISEASES*
McKee, C. D., Islam, A., Rahman, M., Khan, S., Rahman, M., Satter, S. M., Islam, A., Yinda, C., Epstein, J. H., Daszak, P., Munster, V. J., Hudson, P. J., Plowright, et al
2022; 28 (7): 1384-1392
- **Incidence of typhoid and paratyphoid fever in Bangladesh, Nepal, and Pakistan: results of the Surveillance for Enteric Fever in Asia Project** *LANCET GLOBAL HEALTH*
Garrett, D. O., Longley, A. T., Aiemjoy, K., Yousafzai, M. T., Hemlock, C., Yu, A. T., Vaidya, K., Tamrakar, D., Saha, S., Bogoch, I. I., Date, K., Saha, S., Islam, et al
2022; 10 (7): E978-E988
- **Estimating typhoid incidence from community-based serosurveys: a multicohort study.** *The Lancet. Microbe*
Aiemjoy, K., Seidman, J. C., Saha, S., Munira, S. J., Islam Sajib, M. S., Sium, S. M., Sarkar, A., Alam, N., Zahan, F. N., Kabir, M. S., Tamrakar, D., Vaidya, K., Shrestha, et al
2022
- **Prevalence of Sugar-Sweetened Food Consumption in Rural Bangladeshi Children Aged 6-24 Months.** *The Journal of nutrition*
Salem, M. K., Pitchik, H. O., Sultana, J., Rahman, M., Jannat, K. K., Luby, S. P., Mridha, M. K., Winch, P. J., Fernald, L. C.
2022
- **Evaluation of a menstrual hygiene intervention in urban and rural schools in Bangladesh: a pilot study.** *BMC public health*
Alam, M., Sultana, F., Hunter, E. C., Winch, P. J., Unicomb, L., Sarker, S., Mahfuz, M. T., Al-Masud, A., Rahman, M., Luby, S. P.
2022; 22 (1): 1100
- **Drinking water chlorination has minor effects on the intestinal flora and resistomes of Bangladeshi children.** *Nature microbiology*
Nadimpalli, M. L., Lanza, V. F., Montealegre, M. C., Sultana, S., Fuhrmeister, E. R., Worby, C. J., Teichmann, L., Caduff, L., Swarthout, J. M., Crider, Y. S., Earl, A. M., Brown, J., Luby, et al
2022
- **SARS-CoV-2 shedding sources in wastewater and implications for wastewater-based epidemiology.** *Journal of hazardous materials*
Li, X., Kulandaivelu, J., Guo, Y., Zhang, S., Shi, J., O'Brien, J., Arora, S., Kumar, M., Sherchan, S. P., Honda, R., Jackson, G., Luby, S. P., Jiang, et al
2022; 432: 128667

- **Community trust of government and non-governmental organizations during the 2014-16 Ebola epidemic in Liberia.** *PLoS neglected tropical diseases*
Arthur, R. F., Hornig, L. M., Bolay, F. K., Tandanpolie, A., Gilstad, J. R., Tantum, L. K., Luby, S. P.
1800; 16 (1): e0010083
- **Impact of community masking on COVID-19: A cluster-randomized trial in Bangladesh.** *Science (New York, N.Y.)*
Abaluck, J., Kwong, L. H., Styczynski, A., Haque, A., Kabir, M. A., Bates-Jefferys, E., Crawford, E., Benjamin-Chung, J., Raihan, S., Rahman, S., Benhachmi, S., Bintee, N. Z., Winch, et al
2021: eabi9069
- **Pilot of a Low-Cost Elementary School Handwashing Intervention in Bangladesh: Acceptability, Feasibility, and Potential for Sustainability.** *The American journal of tropical medicine and hygiene*
Sultana, F., Unicomb, L., Rahman, M., Ali, S., Southern, D. L., Yeasmin, D., Sarkar, R. A., Das, K. K., Nizame, F. A., Winch, P. J., Luby, S. P.
2021
- **Displacing fishmeal with protein derived from stranded methane** *NATURE SUSTAINABILITY*
El Abbadi, S. H., Sherwin, E. D., Brandt, A. R., Luby, S. P., Criddle, C. S.
2021
- **LONGITUDINAL EFFECTS OF A SANITATION INTERVENTION ON ENVIRONMENTAL FECAL CONTAMINATION IN A CLUSTER-RANDOMIZED CONTROLLED TRIAL IN RURAL BANGLADESH**
Contreras, J. D., Islam, M., Mertens, A., Pickering, A. J., Kwong, L. H., Arnold, B. F., Benjamin-Chung, J., Hubbard, A. E., Alam, M., Sen, D., Islam, S., Rahman, M., Unicomb, et al
AMER SOC TROP MED & HYGIENE.2021: 287-288
- **EFFECTS OF DRINKING WATER, SANITATION, HANDWASHING, AND NUTRITIONAL INTERVENTIONS ON IMMUNE STATUS IN YOUNG CHILDREN: A CLUSTER-RANDOMIZED CONTROLLED TRIAL IN RURAL BANGLADESH**
Lin, A., Mertens, A. N., Tan, S., Rahman, M., Hester, L., Kim, L., Arnold, B. F., Karim, M., Shahriar, S., Ali, S., Shoab, A. K., Hossen, M., Mutsuddi, et al
AMER SOC TROP MED & HYGIENE.2021: 287
- **Formative Research to Design a Child-Friendly Latrine in Bangladesh.** *International journal of environmental research and public health*
Huda, T. M., Jahir, T., Sarker, S., Yeasmin, F., Masud, A. A., Sultana, J., Das, J. B., Nizame, F. A., Leontsini, E., Shoab, A. K., Kwong, L. H., Rahman, M., Luby, et al
2021; 18 (21)
- **Seasonality of Date Palm Sap Feeding Behavior by Bats in Bangladesh.** *EcoHealth*
Islam, A., McKee, C., Ghosh, P. K., Abedin, J., Epstein, J. H., Daszak, P., Luby, S. P., Khan, S. U., Gurley, E. S.
2021
- **Characteristics that modify the effect of small-quantity lipid-based nutrient supplementation on child growth: an individual participant data meta-analysis of randomized controlled trials.** *The American journal of clinical nutrition*
Dewey, K. G., Wessells, K. R., Arnold, C. D., Prado, E. L., Abbeddou, S., Adu-Afarwuah, S., Ali, H., Arnold, B. F., Ashorn, P., Ashorn, U., Ashraf, S., Becquey, E., Bendabenda, et al
2021
- **Small-quantity lipid-based nutrient supplements for children age 6-24 months: a systematic review and individual participant data meta-analysis of effects on developmental outcomes and effect modifiers.** *The American journal of clinical nutrition*
Prado, E. L., Arnold, C. D., Wessells, K. R., Stewart, C. P., Abbeddou, S., Adu-Afarwuah, S., Arnold, B. F., Ashorn, U., Ashorn, P., Becquey, E., Brown, K. H., Chandna, J., Christian, et al
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PRESENTATIONS

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