Abu Mohammed Naser Titu
atitu@memphis.edu
Google Scholar citations (link)

CURRENT AFFILIATION

Assistant Professor — August 2021-Present
Division of Epidemiology, Biostatistics, and Environmental Health
School of Public Health, University of Memphis

Primary Investigator (GS-0601-13 Step) — January 2024-Present
Memphis VA Medical Center, Memphis, Tennessee

EDUCATION

Ph.D., Environmental Health Sciences
May 2018
Rollins School of Public Health, Emory University
Dissertation: "Drinking Water Salinity: Mineral Intake and Cardiovascular Health"
Committee: Profs. Thomas Clasen (chair), Matthew Gribble (chair), KM Venkat Narayan, Dana Barr, Howard Chang

M.P.H., Master in Public Health
February 2010
James P Grant School of Public Health
BRAC University, Dhaka, Bangladesh

M.B.B.S., Medical Sciences
December 2006
Sir Salimullah Medical College
Dhaka University, Dhaka, Bangladesh

FUNDED EXTRAMURAL GRANTS AND AWARDS

Jia C and Naser AM. Data and Impact Analysis for Greenwood Healthy Homes Production (GHHP) Grant Program, City of Greenwood, Mississippi. 2024. Amount: $42,000. **Role: Co-investigator**

Naser AM and Ahmed F. AHA Travel Grant for Data Bootcamp to address cardiovascular disease disparity in the Southeast United States. AHA Travel Grant for Data Bootcamp. American Heart Association (AHA). 2024. Amount: $2.5K. **Role: Principal Investigator**

Naser AM, Mou X, Jia C, Kovesdy CP. Effect of ambient heat and meteorological variables on chronic kidney disease progression among US veterans. National Institutes of Health (NIH). 2023. Amount: $433,349. **Role: Principal Investigator**

Jia C, Naser AM, Hills A. Joshi A. Environmental Justice Thriving Communities Technical Assistance Centers Program (EJTCTAC). US Environmental Protection Agency (EPA). 2023. Amount: $832,126. **Role: Co-investigator**

Smeltzer M, Nolan V, Ray M, Young A, Naser AM. Tennessee Public Health Surveillance Program for Sickle Cell Disease. Centers For Disease Control (CDC). National Center On Birth Defects And Developmental Disabilities Sickle Cell Data Collection Program. Amount: $2.9 million. 2023. **Role: Co-investigator**

Naser AM. Characteristics and Determinants of Pediatric Firearm Wounds in Memphis, 2010-2022. Campbell Foundation, TN, USA. 2023 ($ 3.0 K). **Role: Principal Investigator**

Naser AM. Incidental Findings on Pediatric and Adolescent MRIs Ordered by Orthopedic Surgeons. Campbell Foundation, TN, USA. 2022 ($ 2.5 K). **Role: Principal Investigator**
Naser AM. Association of Superior Humeral Head Osteophyte to Rotator Cuff Tearing in Patient with Glenohumeral Osteoarthritis. Campbell Foundation, TN, USA. 2022 ($ 4.5 K). **Role: Principal Investigator**

Naser AM. Safety and Outcomes of Total Shoulder Arthroplasty amongst Medicare Patients in a Single Ambulatory Surgery Center: A Matched Cohort Study. Campbell Foundation, TN, USA. 2022 ($ 2.5 K). **Role: Principal Investigator**

Naser AM. Incidence of Flare Reaction Following Shoulder Steroid Injections: Comparison of Kenalog (Triamcinolone) and Depomedrol (Methylprednisolone). Campbell Foundation, TN, USA. 2021 ($ 2.5 K). **Role: Principal Investigator**

Naser AM, Rahman Mahbubur, Unicomb Leanne, et al, Health Impacts of a climate-change adaptation strategy to address drinking-water salinity in coastal Bangladesh. Our Planet, Our Health scheme of Wellcome Trust, UK. 2015- 2017 (Grant amount £500K GBP). **Role: Emory University Principal Investigator**

Naser AM, Rahman Mahbubur, Unicomb Leanne, et al, Health Impacts of a climate-change adaptation strategy to address drinking-water salinity in coastal Bangladesh. Our Planet, Our Health scheme of Wellcome Trust, UK. Extension Phase. 2017- 2019 (Grant amount £160K GBP). **Role: Emory University Principal Investigator**

Clasen Thomas, Naser AM, Rahman Mahbubur, et al, Long-term investigation of the effectiveness of earthen barriers to mitigate the leaching of pathogens from pit latrines in coastal Bangladesh. USAID. 2016-2017 (Grant amount $ 50K). **Role: Co-principal Investigator**

Unicomb Leanne, Naser AM, et al, Short-term investigation of the effectiveness of earthen barriers to mitigate the leaching of pathogens from pit latrines in coastal Bangladesh. FHI360. 2014-2015 (Grant amount $ 70K). **Role: Emory University Principal Investigator**

FUNDED INTRAMURAL GRANTS

Antimicrobial Resistance and One Health: A stakeholder Analysis and Identifying Research Priorities in Memphis, Tennessee. Communities of Research Scholars (CoRS) Grant. University of Memphis, TN, USA. 2024-2025 ($ 2.5 K). **Role: Co-investigator**

Climate Change and Violence: Exploring the Relationship of Ambient Temperature with Mass Shootings, Fatal Police Encounters, and Childhood Firearm Injuries. Inaugural **R**esearch **I**nitiative **S**upporting **E**xcellence in **E**arly caree**R** (RISER) Development Award. University of Memphis, TN, USA. 2024 ($ 6 K). **Role: Principal Investigator**

An Eye Toward Cancer Development to Progression: The Role of Environmental Factors and Climate Change. Communities of Research Scholars (CoRS) Grant. University of Memphis, TN, USA. 2023-2024 ($ 5 K). **Role: Principal Investigator**

Climate, Environmental, and Energy Justice Research (CEEJR): Second Award. Communities of Research Scholars (CoRS) Grant. University of Memphis, TN, USA. 2023-2024 ($ 5 K). **Role: Co-investigator**

Predictors of death in intensive care units (ICUs) among hypertensive patients. Communities of Research Scholars (CoRS) Grant. University of Memphis, TN, USA. 2022-2023 ($ 2.5 K). **Role: Co-investigator**

Climate, Environmental, and Energy Justice Research (CEEJR). Communities of Research Scholars (CoRS) Grant. University of Memphis, TN, USA. 2022-2023 ($ 2.5 K). **Role: Co-investigator**

Socioecological Determinants of Cardiometabolic Health in Memphis: Establishment of a Database. Communities of Research Scholars (CoRS) Grant. University of Memphis, TN, USA. 2021-2022 ($ 2.5 K). **Role: Principal Investigator**

UNFUNDED GRANTS

National Institutes of Health (NIH)
Role: PI
Ambient Temperature and the Effectiveness of Antihypertensive Medications on Blood Pressure Control
Amount: $ 2,928,069

US Department of Housing and Urban Development (HUD)
Role: Co-I
Housing and Environmental Quality of Households in the Healthy Homes Production Program
Amount: $ 150K

National Science Foundation (NSF)
Role: Co-I
CAREER: Training a robot as the personal assistant while an individual experiences vision loss
Amount: $576,128

American Heart Association
Role: PI
Evaluating bias in urine sodium and health outcome relationship due to ambient temperature variations
Amount: $ 67,388

Burroughs Wellcome Fund
Role: PI
Linking ambient temperature with firearm injuries

Amount: $ 50,000

Google, Inc
Role: Co-PI
Application of machine learning techniques to produce high-resolution groundwater salinity maps in the US
Amount: $57,508

The National Academics
Role: Co-I
Examining the Health Impacts at the Intersection of Climate Change and Environmental Hazards in an Overburdened African
American Community in Port St. Joe, FL
Amount: $1,231,879

Wellcome Trust, UK
Role: P-I
Maternal and child health vulnerability to extreme heat in the community of tea-plantation workers in Bangladesh (MYHOTTEA)
Amount: $300,334

Wellcome Trust, UK
Role: P-I
Health effects of climate adaptive interventions for farmers in drought-prone north-western Bangladesh (HEATDOWN)
Amount: $221,928

National Institutes of Health (NIH)
Role: Co-I
Memphis Climate Health Environment Equity Research (MCHEER) Lab
Amount: $ 1,152,952

US Department of Housing and Urban Development (HUD)
Role: Co-I
Sustainable Household Assistance Rehab Program (SHARP): Tracking Impacts of Targeted Home Interventions for Vulnerable Populations in Memphis
Amount: $ 797,550

US Department of Health and Human Services (US DHHS)
Role: Co-I
Green and Healthy Homes Initiative Project
Amount: $163, 156

AWARDS

2023, Tigers Ascending to Excellence Award for securing a grant from the U.S. Environmental Protection Agency and RTI International, University of Memphis

2023, First-time Principal Investigator Award, Division of Research & Innovation, University of Memphis

2017 Planetary Health Alliance inaugural meeting abstract selected for publication in the journal "The Lancet"

2013 WaTER Conference Travel Scholarship Recipient. University of Oklahoma. WaTER Center.

2013 Recipient of Travel Fund from Program for Appropriate Technology in Health (PATH) to present research findings at 7th Vaccine & ISV Congress, 27-29 October, 2013, Sitges, Barcelona, Spain

UNIVERSITY OF MEMPHIS SERVICE

2024	Member, Biostatistics PhD Admission Committee
2024	Member, Biostatistics PhD Admission Committee
2024	Member, Committee on Faculty Affairs and Development (COFAD)
2023	Member, School of Public Health Strategic Plan Committee
2023	Member, Committee on Faculty Affairs and Development (COFAD)
2023	Member, Biostatistics PhD Admission Committee
2022	Member, Recruitment and Admission Committee
2022	Member, Committee on Faculty Affairs and Development (COFAD)
2022	Member, Committee on Community Outreach (COPE)

PROFESSIONAL EXPERIENCE

09/2020 — 08/2021 **NIH METRIC Fellow**
Department of Epidemiology
Rollins School of Public Health
Emory University, Atlanta GA, USA

06/2018 — 08/2020 **Postdoctoral Scholar**
Emory Global Diabetes Research Center, Hubert Department of Global Health
Emory Global Health Institute, Child Health and Mortality Prevention Surveillance (CHAMPS)

Emory University, Atlanta GA, USA

I have investigated mineral intake through drinking water and associated health benefits. Our research explored that saline water contains salubrious minerals such as calcium and magnesium that provides cardiovascular benefits, but also contains harmful sodium. I have explored how drinking water minerals vary across seasons, and how different hydrogeological contexts influence cardio-metabolic risks of population. I also explored how cooking water mineral contents influence the nutrient density of the cooked food.

I have worked for the Demographic Health Surveillance of the CHAMPS project (https://champshealth.org/). CHAMPS is a exploring the exact causes of child mortality in sub-Saharan Africa and South Asia, where child mortality rates are high by innovative minimally invasive tissue sampling (MITS) and state-of-art pathological techniques. I have worked with

linking the household environmental factors (e.g., water quality, sanitation, cooking fuel) and weather variables (e.g., temperature, rainfall, humidity) with child mortality.

01/2019 — 02/2019 **Short-term consultant**
Water for South and East Asia Unit (Water for SEA)
Water Global Practice, World Bank
World Bank, Washington DC, USA

Under this consultancy, I evaluated how the drinking water salinity of mothers influences the neonatal and infant mortality rates in Bangladesh using Bangladesh Demographic Health Surveys of 2000, 2004, 2007, 2011, and 2014. Point data of groundwater salinity were collated from the Bangladesh Water Development Board and digitized salinity contour map. Data for the groundwater dissolved elements (sodium, calcium, magnesium, and potassium) data came from a national hydrochemistry British Geological Survey data survey. A U-shaped association between drinking water salinity and neonatal and infant mortality was found, suggesting higher mortality when salinity was very low and high.

01/2015 — 02/2015 **Short-term consultant**
Program for Appropriate Technology in Health (PATH)
Seattle, Washington, USA

Under this consultancy, I analyzed data from a clinical trial in healthy infants to assess the lot-to-lot consistency of Japanese encephalitis live attenuated SA 14-14-2 vaccine manufactured in new good manufacturing practices. The report helped the prequalification of the Japanese encephalitis live attenuated SA 14-14-2 vaccine.

03/2010 — 08/2014 **Medical Officer & Research Investigator**
International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b)
68, Shaheed Tajuddin Ahmed Sarani, Mohakhali, Dhaka 1212, Bangladesh
Centre for Communicable Diseases (CCD)
Water, Sanitation and Hygiene Research Group
Outbreak Response and Surveillance Research Group
Vaccine Research Group

I conducted multidisciplinary research to improve the health status of the people of Bangladesh and similar settings worldwide. My training and experience in icddr,b involved working as a site investigator for several randomized controlled trials, observational studies, national wide infectious disease surveillance, and outbreak investigations. I received epidemiological training from national- and international scientists on implementing research projects, communicating with investigators and IRB, manuscript, and research proposal writing. I worked with the following projects while I was with icddr,b:

- As a co-Investigator, my main responsibility was to implement WASHBenefits trial (http://www.washbenefits.net/), a large-scale multi-center randomized controlled trial in Bangladesh. The primary aim of this trial was to determine the individual and combined

impacts of water, sanitation, hygiene, and nutritional interventions on children's linear growth and cognitive development. The study findings have been published in the Lancet Global Health. I led the mid-line survey of the trial before moving to Emory University.

- As a co-investigator, I explored the groundwater iron in the WASH Benefits study area and explored how groundwater iron contents interfere with the point-of-use chlorination.

- As a principal investigator, I implemented a randomized controlled trial titled "Health Impact of Treating and Safely Storing Shallow Tubewell Water in Bangladesh". It was an efficacy trial to assess the individual and combined impact of treating source water and safe storage of water to improve the microbiological quality of drinking water and reduce childhood diarrhea.

- As a co-investigator, I implemented a study titled "A clinical trial in healthy infants to assess the lot-to-lot consistency of Japanese encephalitis live attenuated SA 14-14-2 vaccine manufactured in a new good manufacturing practices facility and non-inferiority with respect to an earlier product". The study was funded by PATH. Based on the study result, WHO has prequalified the live attenuated SA 14-14-2 Japanese encephalitis vaccine, which will help to reduce the burden of Japanese Encephalitis in Asian countries.

- As a co-Investigator, I led the field activities of a serosurvey titled "A cross-sectional serosurvey of historic arboviral infections in Chapai Nawabganj District, Bangladesh".

- I was involved in the national hospital-based meningoencephalitis surveillance in Bangladesh. My responsibilities were to investigate the clusters of patients admitted to several tertiary hospitals with symptoms of meningoencephalitis. I participated in several outbreak investigations for nipah virus encephalitis, anthrax, and cholera.

2007 — 2008 **Medical Officer**
Shaheed Shurawardi Hospital, Dhaka, Bangladesh

I worked as a medical officer in one of the reputed public teaching hospitals in Dhaka, Bangladesh. I was based on the internal medicine department under professor Kamal Sayeed Ahmed Chowdhury for this one-year postgraduate training in medicine. I used to diagnose the hospitalized patient and provide them initial clinical management, present the clinical cases to the professors and update the treatment based on thorough clinical and laboratory investigations.

2006 — 2007 **Intern doctor (physician)**
Mitford Hospital
Sir Salimullah Medical College, Dhaka, Bangladesh

TEACHING EXPERIENCE

Course Instructor

The University of Memphis, School of Public Health

Instructor, Epidemiology 1 (PUBH 7170-M50)	Spring 2025
Instructor, Planetary and Environmental Epidemiology (PUBH 7373-001)	Spring 2025
Instructor, Epidemiology 1 (PUBH 7170-001)	Fall 2024
Instructor, Environmental and Climate Health (PUBH 3120-M50 D50) (Online)	Fall 2024
Instructor, Environmental Health 1 (PUBH 7120-001)	Spring 2024
Instructor, Environmental Health 1 (PUBH 7120-M50) (Online)	Spring 2024
Instructor, Environmental and Climate Health (PUBH 3120-M50) (Online)	Spring 2024
Instructor, Environmental and Climate Health (PUBH 3120-001)	Fall 2023
Instructor, Environmental Health 1 (PUBH 7120-001)	Spring 2023
Instructor, Environmental Health 1 (PUBH 7120-M50) (Online)	Spring 2023
Instructor, Environmental Health 1: Basics and Methods (PUBH 3120-001)	Fall 2022
Instructor, Environmental Health II: Practice and Application (PUBH 4121-M50)	Fall 2022
Instructor, Environmental Health 1 (PUBH 7120-001)	Spring 2022
Guest Lecturer, Environmental Health 1 (PUBH 7120-M50) (Online)	Spring 2022
Instructor, Environmental Health: Basics and Methods (PUBH 3120-001)	Fall 2021

Uppsala University, Sweden Fall 2022, 2021 & 2020
Guest Lecturer, Water, Sanitation, Hygiene & Climate Change

Emory University, Atlanta, GA

Guest Lecturer, Planetary Health: Saltwater Intrusion and Cardiovascular Health	Spring 2022, 2021 & 2020
Guest Lecturer, Research Methods for Studies of Water & Health	Spring 2017
Teaching Assistant, Critical Analysis of Water, Sanitation, and Hygiene Research	Spring 2016
Teaching Assistant, Perspective of Environmental Health	Fall 2015

BRAC University, James P Grant School of Public Health, Dhaka, Bangladesh

Teaching Assistant, Epidemiology of Infectious Disease	Spring 2014
Teaching Assistant, Epidemiology of Infectious Disease	Spring 2013

Mentoring

Dissertation/Thesis/Capstone Advisees

Shaheryar Shafqat (2022-2025)	PhD	Epidemiology	University of Memphis
Anna Marie Gretz (2023-2026)	PhD	Epidemiology	University of Memphis
Hoimonty Mazumder (2022-2025)	PhD	Epidemiology	University of Memphis
Shermin Ashraf (2022-2023)	MPH	Epidemiology	University of Memphis
Christie Kwon (2019-2020)	MPH	Executive MPH	Emory University
Livvy Shafer (2019)	MPH	Global Health	Emory University
Serei Vatana Nath (2020)	MPH	Epidemiology	Emory University

Committee Member/Thesis Reader

Ayesha Mukhopadhyay (2023-2024)	PhD	Epidemiology	University of Memphis

Ayesha Mukhopadhyay (2023-2024)	PhD	Epidemiology	University of Memphis
Mark'Quest Ajoku (2023-2024)	PhD	Epidemiology	University of Memphis
Easter Protiva Gain (2023-2024)	PhD	Epidemiology	University of Memphis
Dana Sjostrom (2023-2024)	PhD	Urban Affairs & Public Policy	University of Memphis

Academic Advisees

Charu M Marya (2023-2025)	MPH	Urban Health	University of Memphis
Kiara Chante Worthen (2023-2025)	MPH	Urban Health	University of Memphis
Joyia Edna Miller (2023-2025)	MPH	Urban Health	University of Memphis
Latiffeney Burden (2023-2025)	MPH	Urban Health	University of Memphis
Benjamin C Douglas (2023-2025)	MPH	Urban Health	University of Memphis
Zipporah Hadassah Lee Ray (2023-2025)	MPH	Urban Health	University of Memphis
Blake Andi Moseley (2023-2025)	MPH	Urban Health	University of Memphis
Dahlya Manning (2023-2025)	MPH	Urban Health	University of Memphis

RESEARCH HIGHLIGHTS IN MEDIA

The Guardian: 'It's in our rivers and in our cups. There's no escape': the deadly spread of salt water in Bangladesh. https://www.theguardian.com/global-development/article/2024/may/24/its-in-our-rivers-and-in-our-cups-theres-no-escape-the-deadly-spread-of-salt-water-in-bangladesh

FOX 13: University of Memphis a part of EPA's $10-million environmental justice work initiative https://www.fox13memphis.com/news/university-of-memphis-a-part-of-epas-10-million-environmental-justice-work-initiative/article_6214315c-edab-11ed-8ccf-9fdeae702339.html

Press Release: Congressman Cohen Announces Environmental Research Grant to the University of Memphis https://cohen.house.gov/media-center/press-releases/congressman-cohen-announces-environmental-research-grant-university

American Heart Association 2019. Could adding minerals to drinking water fight high blood pressure? https://www.heart.org/en/news/2019/05/07/could-adding-minerals-to-drinking-water-fight-high-blood-pressure

Science News by the American Geophysical Union 2020. Does Drinking Water Salinity Affect Child Mortality? https://eos.org/editor-highlights/does-drinking-water-salinity-affect-child-mortality

icddr,b 2019. Can drinking-water minerals help lower hypertension? https://www.icddrb.org/news-and-events/news?id=863

PUBLISHED COMMENTARY HIGHLIGHTING MY RESEARCH

Vineis P, Butler A. Commentary: Climate change and health: the importance of experiments. *International Journal of Epidemiology* 2020. dyaa261 https://academic.oup.com/ije/advance-article/doi/10.1093/ije/dyaa261/6042615

Bispham NZ, Nowak KL. Drinking Water: The Saltier The Better?: Journal of American Heart Association; 2019 https://www.ahajournals.org/doi/full/10.1161/JAHA.119.012758

Paul K. Whelton. Sodium, Blood Pressure, and Cardiovascular Disease. *Hypertension.* 2021;77:2138–2139 https://www.ahajournals.org/doi/10.1161/HYPERTENSIONAHA.121.17223

INVITED TALKS

- *Drinking Water and Public Health*. St. Jude Children's Hospital. STEMM Education and Outreach Programs. Date: 12/08/2023, Memphis, TN
- *Aquifer salinity in a changing climate and cardiometabolic health of the population: A case study from southwest coastal Bangladesh*. Geology and Geological Engineering. The University of Mississippi. Date: 25/09/2023. Oxford, MS
- *Disease burden Trajectory and environmental risk factors of Sickle Cell Disease*. Tennessee Sickle Cell Data Collection Program. Tennessee Public Health Association. Date: 09/20/2023. Murfreesboro, TN
- *Pros and Cons of Water Fluoridation.* Public Works Department. The City of Germantown. Date: 10/4/2022. Germantown, TN
- *Effects of access to managed aquifer recharge water on blood pressure and urine protein in southwest coastal Bangladesh: A stepped wedge cluster-randomized trial.* International Centre for Diarrhoeal Disease Research, Bangladesh. Date: 04/20/2022. Dhaka, Bangladesh

PUBLICATIONS

Hays, C. E., Naser, A. M., Throckmorton, T. W., & Brolin, T. J. (2025). Reverse and Total Shoulder Arthroplasty Among Medicare Patients in the Ambulatory Surgery Center: A Matched Cohort Study and Retrospective Review on 90-Day Complications. Seminars in Arthroplasty: JSES. https://www.sciencedirect.com/science/article/abs/pii/S1045452725000033

Mukhopadhyay, A., Mondol, M. H., Rahman, M., Unicomb, L., Khan, R., Mazumder, H., Ferdous, M. N., Pickering, E. V., Makris, K. C., & Caban-Martinez, A. J. (2025). The direct and urinary electrolyte-mediated effects of ambient temperature on population blood pressure: A causal mediation analysis. Environment international, 195, 109208. https://www.sciencedirect.com/science/article/pii/S0160412024007955

Nored, A., Batbaatar, N., Fu, X., Bartelli, D., Naser, A. M., Specht, A. J., & Jia, C. (2025). Screening Toxic Metals in Toys Collected in a Charitable Program. SciBase Epidemiology and Public Health. 2024; 2(4): 1031 https://scibasejournals.org/epidemiology-and-public-health/1031.pdf

Pickering, E.V., Jia, C., **Naser, A. M.** (2024). Drinking Water Quality in Delta and Non-Delta Counties along the Mississippi River. Water. 16(18), 2622. https://www.mdpi.com/2073-4441/16/18/2622

Batbaatar, N., Smith, A., Jia, C., **Naser, A. M.,** Mou, X., Vidal, G., Starlard-Davenport, A. (2024). Association of environmental factors with breast cancer incidence among African American women in Memphis, Tennessee. International Journal of Environmental Health Research. https://www.tandfonline.com/doi/full/10.1080/09603123.2024.2400702

Duque, M. P., **Naser, A. M.,** Dos Santos, G. R., O'driscoll, M., Paul, K. K., Rahman, M., Alam, M. S., Al-Amin, H. M., Rahman, M. Z., & Hossain, M. E. (2024). Informing an investment case for Japanese encephalitis

vaccine introduction in Bangladesh. Science Advances, 10(32), eadp1657. https://www.science.org/doi/full/10.1126/sciadv.adp1657

Mueller, W., Zamrsky, D., Essink, G. O., Fleming, L. E., Deshpande, A., Makris, K. C., Wheeler, B. W., Newton, J. N., Narayan, K. V., & **Naser, A. M.** (2024). Saltwater intrusion and human health risks for coastal populations under 2050 climate scenarios. Scientific Reports, 14(1), 15881. https://www.nature.com/articles/s41598-024-66956-4

Gain, E.P.; Yu, X.; Kedia, S.K.; **Naser, A.M**.; Bromley, M.I.; Ajoku, M.; Mou, X. Discontinuation of Antidepressants and the Risk of Medication Resumption among Community-Dwelling Older Adults with Depression in the US. Int. J. Environ. Res. Public Health 2024, 21, 1209. https://doi.org/10.3390/ijerph21091209

Naser, A. M., Clemmer, J. S., Mazumder, H., Pickering, E. V., Caban-Martinez, A. J., Makris, K. C., Iqbal, R., Creencia, L., Oliva, R., & Shamsudduha, M. (2024). Epidemiological association between water salinity and blood pressure in coastal populations: ambient temperature's role as a confounder. Wellcome Open Research, 9(419), 419. https://wellcomeopenresearch.org/articles/9-419

Whitman, E. L., Sentilles, C., Sheffer, B. W., Spence, D. D., Rowland, J. K., **Naser, A. M**., . . . Kelly, D. M. Pediatric Firearm Trauma on the Rise: A Retrospective Review of Over 1,100 Cases in 12 Years at One Center. Journal of Pediatric Surgery. https://www.jpedsurg.org/article/S0022-3468(24)00354-3/abstract

Mazumder, H., Mondol, M. H., Rahman, M., Khan, R., Doza, S., Unicomb, L., Jahan, F., Mukhopadhyay, A., Makris, K., & **Naser, A.M.** (2024). Sex-Specific Association of Ambient Temperature With Urine Biomarkers in Southwest Coastal Bangladesh. Kidney International Reports. https://doi.org/10.1016/j.ekir.2024.03.002

Ante-Testard, P. A., Rerolle, F., Nguyen, A. T., Ashraf, S., Parvez, S. M., **Naser, A. M.,** Benmarhnia, T., Rahman, M., Luby, S. P., & Benjamin-Chung, J. (2024). WASH interventions and child diarrhea at the interface of climate and socioeconomic position in Bangladesh. Nature Communications, 15(1), 1556. https://doi.org/10.1038/s41467-024-45624-1

Paul, S., Shrestha, P., Sumida, K., Thomas, F., Surbhi, S., **Naser, A. M.,** Streja, E., Rhee, C. M., Kalantar-Zadeh, K., & Kovesdy, C. P. (2023). Association of oral iron replacement therapy with kidney failure and mortality in CKD patients. Clinical Kidney Journal, 16(11), 2082-2090. https://doi.org/10.1093/ckj/sfad190

Shrestha, P., Paul, S., Sumida, K., Thomas, F., Surbhi, S., **Naser, A. M.,** Streja, E., Rhee, C. M., Kalantar-Zadeh, K., & Kovesdy, C. P. (2023). Association of iron therapy with incidence of chronic kidney disease. European Journal of Haematology, 111(6), 872-880. https://doi.org/10.1111/ejh.14091

Jennewine BR, James NF, Polio WP, et al. Superior humeral head osteophytes are associated with rotator cuff insufficiency in glenohumeral osteoarthritis: a retrospective analysis. European Journal of Orthopaedic Surgery & Traumatology 2023: 1-8. https://doi.org/10.1007/s00590-023-03727-3

Xeni, C., Oliva, R., Jahan, F., Iqbal, R., **Naser, A. M.,** Rahman, M., Fleming, L. E., O'Madigan Gribble, M., & Makris, K. C. (2023). Epidemiological evidence on drinking water salinity and blood pressure: a scoping review. Environmental Research: Health. https://doi.org/10.1088/2752-5309/ace076

Eason, R. R., Joyce, M. R., Throckmorton, T. W., Azar, F. M., Bernholt, D. L., **Naser, A. M.,** & Brolin, T. J. (2023). Comparison of Triamcinolone and Methylprednisolone Efficacy and Steroid Flare Reaction Rates in Shoulder Corticosteroid Injection: A Prospective Interrupted Time Series Study. Journal of Shoulder and Elbow Surgery. https://doi.org/10.1016/j.jse.2023.05.023

Naser AM, Rahman SM, Kippler M. Role of toxicants, pollutants, and trace elements in health and nutrition. Frontiers in Nutrition. 2023;10. https://doi.org/10.3389/fnut.2023.1142959

Rahman M, Islam M, Doza S, **Naser AM**, Shoab AK, Rosenbaum J, Islam MS, Unicomb L, Clasen TF, Ercumen A. Higher helminth ova counts and incomplete decomposition in sand-enveloped latrine pits in a coastal sub-district of Bangladesh. PLOS Neglected Tropical Diseases. 2022;16:e0010495. https://doi.org/10.1371/journal.pntd.0010495

Rahman MJ, Parvez SM, Rahman M, He FJ, Cunningham SA, Narayan KV, Abedin J, **Naser AM**. Urinary sodium excretion and obesity markers among Bangladeshi adult population: pooled data from three cohort studies. Nutrients. 2022;14:3000. https://doi.org/10.3390/nu14143000

Islam M, Haque K, Jahan N, Atikullah M, Uddin M, **Naser A**, Faruk-E-Azam A, Islam M. Soil salinity mitigation by naturally grown halophytes in seawater affected coastal Bangladesh. International Journal of Environmental Science and Technology. 2022;19:11013-11022. https://doi.org/10.1007/s13762-022-03912-7

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PRESENTATIONS

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Mukhopadhyay, A., Stevens, W., Young, A., Plaxco, A., Dudley, J., Pimenta, K., Ray, M., Naser, A. M., Wiese, A., & Cooper, W. (2024). The disproportionate impact of housing discrimination on individuals living with sickle cell disease. APHA 2024 Annual Meeting and Expo. Oct 27-30, 2024. Minneapolis, MN

Shrestha, P., Sumida, K., Thomas, F., Surbhi, S., Naser, A. M., Streja, E., Rhee, C., Kalantar-Zadeh, K., & Kovesdy, C. P. (2024). Association of Intravenous vs. Oral Iron Therapy with Risk of Infectious Outcomes in Patients with CKD: TH-PO872. Journal of the American Society of Nephrology, 35(10S), 10.1681. Abstract presented at: American Society of Nephrology: Kidney Week; Oct 24-27, 2024; San Diego, CA

Gain, E. P., Mou, X., Yu, X., Fu, X., Shamsudduha, M., Musah, A., Joshi, A., Jia, C., **Naser, A. M**. (2023). Ambient temperature and gun-violence events in Memphis, Tennessee, USA between 2013-2018. APHA 2023 Annual Meeting Expo. Nov 12-15, 2023, Atlanta, GA

Mazumder, H., Islam, K.F., Zou, L., Sharma, R., Hossain, M.M., & **Naser, A. M**. (2023). Association between indoor solid fuel use and depression among older adults: A systematic review and meta-analysis. APHA 2023 Annual Meeting and Expo. Nov 12-15, 2023. Atlanta, GA

Jia, C., Zhang, H., Batbaatar, N., **Naser, A. M**., & Kavouras, I. (2023). Clean air benefits and climate penalty: A case study on mortality in Memphis. APHA 2023 Annual Meeting and Expo. APHA 2023 Annual Meeting and Expo. Nov 12-15, 2023. Atlanta, GA

Mukhopadhyay, A., Mazumder, H., Khan, R., Rahman, M., Smeltzer, M. P., Jia, C., & **Naser, A. M.** (2023). The direct and blood pressure mediated effects of ambient temperature on 24-hour urine protein excretion in southwest coastal Bangladesh. APHA 2023 Annual Meeting and Expo. Nov 12-15, 2023. Atlanta, GA

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Naser AM, Jia CJ, Fu X, Turchi, Jennifer , Randall SN, Rudd L, Bartelli D. Microbial, chemical, and nutritional qualities of drinking water in early childhood learning centers in Memphis, Tennessee. Paper/Poster presented at: Tennessee Environmental Conferen (TNEC); Oct 25-29, 2022; Kingsport, TN.

Naser AM, Rahman, M., Alonso, A., Vaccarino, V., & Gribble, M. (2021). Abstract P093: Sex-stratified Associations Of Urine Electrolytes With 10th & 90th Percentiles Of Systolic Blood Pressure Distribution. Circulation, 143(Suppl_1), AP093-AP093. Presented at EpiLifestyle 2021 Conference.

Naser AM, Rahman M**.** Seen and unseen stress on water resources in climate-vulnerable countries. **"**Health effects of water salinity in climate-vulnerable coastal Bangladesh". World Water Week At Home. 27th August, 2020.

Naser AM. WASAG: Actions for Water and Nutrition Security. Salinity in drinking water: Good or bad for nutrition and health. World Water Week At Home. 27th August, 2020

Naser AM. Water Salinity and Cardiometabolic Nutrition: Insights from southwest coastal Bangladesh. WASAG virtual workshop on water & nutrition. IFPRI. 16-18 June, 2020. Link: https://www.slideshare.net/ifpri/water-salinity-and-cardiometabolic-nutrition-insights-from-bangladesh

Naser AM, Rahman M, Unicomb L, et al. Drinking water salinity and kidney health in southwest coastal Bangladesh: baseline findings of a community-based stepped-wedge randomised trial. Planetary Health Inaugural Meeting 28-30 April 2017; Cambridge, MA, USA

Naser AM, Rahman M, Unicomb L, et al. Urinary excretion of sodium, potassium, calcium and magnesium and blood pressure among a population of ≥ 20-year-olds: evidence from southwest coastal Bangladesh. Joint Hypertension 2018 Scientific Sessions. American Heart Associations. 6-9 September 2018, Chicago, USA

Naser AM, Thomas F. Clasen, Stephen P. Luby, Mahbubur Rahman, Leanne Unicomb, Mohammad Shamsudduha, Howard Chang, K.M. Venkat Narayan, Kazi M. Ahmed, Matthew O. Gribble. Groundwater chemical concentrations and blood pressure in Bangladeshi adults. International Society for Environmental Epidemiology Meeting. September 26, 2017, Sydney, Australia

Naser AM, Rahman M, Unicomb L, et al. Drinking water salinity and kidney health in southwest coastal Bangladesh: baseline findings of a community-based stepped-wedge randomised trial. Planetary Health Inaugural Meeting 28-30 April 2017; Cambridge, MA, USA

Naser AM, Henrik Salje, Mahmudur Rahman, Mohammed Ziaur Rahman, James D. Heffelfinger, Stephen P. Luby, Emily Gurley. “Insights into the spread of chikungunya in Bangladesh from a seroprevalence study”. 2014 ASTMH 63 Annual Meeting, 2-6 November 2014, New Orleans, USA.

Naser AM, Eilidh M. Higgins, Shaila Arman, Ayse Ercumen, Sania Ashraf, Mahbubur Rahman, Stephen P. Luby, Leanne Unicomb. "Influence of iron and groundwater contamination on residual chlorine of water treated with sodium dichloroisocyanurate (NaDCC) tablets". 2013 OU WaTER Conference, 23-25 September 2013, University of Oklahoma, USA.

Naser AM, Ayse Ercumen, Zahir Hussain, Ziaur Rahman, Benjamin F. Arnold, John M. Colford, Jr., Stephen P. Luby, Leanne Unicomb. "Tube well water disinfection using sodium dichloroisocyanurate when recommended chlorine residual is not attained". 2013 UNC Water & Health Conference, 14-18 October 2013, University of North Carolina, USA.

K. Zaman, **Naser AM**, Maureen Power, Mansour Yaich, Lei Zhang, Amy Sarah Ginsburg, Stephen P. Luby, Mukesh Bhardwaj, Jorge Flores. "Lot-to-lot consistency of live attenuated SA 14-14-2 Japanese encephalitis vaccine manufactured in a Good Manufacturing Practices facility and non-inferiority with respect to an earlier produc"t. 7th Vaccine & ISV Congress, 27-29 October, 2013, Sitges, Barcelona, Spain.

SKILLS

Languages: Bengali (native), English (fluent), Farsi (oral), Hindi and Urdu (oral)
Statistical Software and analytical skills: I am proficient in R and Stata, but also occasionally conduct analyses in MPlus, and SAS.

PROFESSIONAL AFFILIATIONS & SERVICES

JOURNAL EDITORIAL SERVICES

- **Youth Editorial Board (**2024-2026**).** Heart and Mind**.** Wolters Kluwer. https://journals.lww.com/hhmi/pages/editorialboard.aspx

- **Guest Editor:** Special Issue: *Role of Toxicants, Pollutants, and Trace Elements in Health and Nutrition*. Frontiers in Nutrition.

- **Guest Editor:** Special Issue: *Risk Factors, Prevention and Management of Cardiometabolic Diseases: Infection and Chronic Inflammatory Perspectives*. International Journal of Environmental Research and Public Health.

Member: Center for Global Safe WASH, Emory University, American Heart Association (AHA), American Diabetic Association (ADA), American Society of Tropical Medicine and Hygiene (ASTMH), Bangladesh Medical and Dental Council (BMDC)

GRANT REVIEW SERVICES

- **American Heart Association (AHA) Grant Reviewer:** Served as the grant reviewer for the American Heart Association (AHA) Career Development Award. Jan-Feb 2025.

- **National Institutes of Health (NIH) Grant Reviewer:** Served as the grant reviewer for the National Institutes of Health (NIH) review meeting. P20 Exploratory Studies on Climatic-Dependent Events via a Proposed Health Research Center. National Institute of Environmental Health Sciences. May-June 2024.

MANUSCRIPT REVIEW SERVICES

Reviewer: Environmental Health Perspective, Frontier of Nutrition, BMJ Open, American Journal of Tropical Medicine and Hygiene, Demography, Earth Systems and Environment, Journal of Health, Population and Nutrition, Wellcome Open Research, PloS One, Scientific Reports

Session co-chair: WaSH-E section of the ASTMH Scientific Program, American Society of Tropical Medicine and Hygiene, 67th Annual Meeting. New Orleans, 2018.