

Riffat Ara Shawon

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EDUCATION

University of Washington

PhD candidate in Epidemiology

Seattle, Washington

Expected June 2026

Bangladesh University of Health Sciences

MPH in Epidemiology

CGPA: 3.94/4.00

Dhaka, Bangladesh

September, 2017

Shaheed Suhrawardy Medical College

University of Dhaka

Bachelor of Medicine, Bachelor of Surgery (MBBS)

Percentage: 74.13%

Dhaka, Bangladesh

July, 2011

RESEARCH AND EVALUATION EXPERIENCE

University of Washington

Graduate Research Assistant

Seattle, Washington

September 2019-March 2026

- Worked in Epidemiology, Global Health (Global Center for Integrated Health of Women, Adolescents, and Children), and Social Sciences (Center for Evaluation & Research for STEM Equity) departments in different research and evaluation roles
- Wrote articles, reports and presentations. published multiple original research articles as first or co-author. Published projects demonstrate my expertise in quantitative, qualitative and mixed methods studies
- Reviewed literature
- Analysed quantitative data using R and Stata, and qualitative data using ATLAS Ti and Dedoose.
- Prepared grant material for submission
- Prepared material for experimental use & keep accurate records of experimental data
- Prepared material for human subjects
- Evaluated multiple programs and institutions for performance and efficacy

Centre for Injury Prevention and Research Bangladesh (CIPRB)

Research Associate

Dhaka, Bangladesh

October 2016- August 2019

- Developed research proposals for quantitative and mixed method studies. Latest developed proposals were for surveys on spinal cord injury, traumatic brain injury, second-hand smoking etc.
- Participated in research projects on traumatic injuries of spinal cord and brain, novel survey method for urban equity in three Asian cities, service availability and readiness assessment of NCD health services in Bangladesh, testing feasibility of ICD 10 coding in an existing community-based injury surveillance system
- Performed data management and analysis on a regular basis using SPSS and STATA
- Participated in strategic planning to design future research projects on non-communicable diseases and disability
- Disseminated findings through writing scientific research articles and conference presentations

Bangladesh Center for Communication Programs (BCCP)

Principal Investigator

Dhaka, Bangladesh
March 2016 - October 2016

(Under the student research grant as part of the Bloomberg Initiative for tobacco control implemented by BCCP in collaboration with Johns Hopkins Bloomberg School of Public Health, Maryland, USA)

- Developed a proposal on a retrospective cohort study exploring the association of tobacco sales exposure of children with their tobacco consumption practice
- Developed research instrument and trained data collectors to use the instrument
- Performed data management and analysis
- Prepared research report
- Disseminated findings at national and international conferences

Bangladesh University of Health Sciences (BUHS)

Masters student

Dhaka, Bangladesh
January 2016 – December 2016

- Designed a cross-sectional study to explore maternal and neonatal adverse events in rural Bangladesh as a thesis research project

LEADERSHIP/TEAMWORK EXPERIENCE

Women in Global Health (WGH)

Seattle Chapter, Washington Global Health Alliance

Advisor

Seattle, WA
November 2022- October 2024

- Provided strategic guidance to advance leadership in the global health workforce.
- Supported planning and execution of quarterly networking and professional development events.
- Served as ambassador for dynamic leadership and member recruitment in the Pacific Northwest.
- Contributed to committee work on event design, outreach, and mentorship initiatives

Centre for Injury Prevention and Research Bangladesh (CIPRB)

Project Coordinator

Dhaka, Bangladesh
January 2017 – August 2019

- Coordinate the research project on sustainable daycare for the safety and development of disadvantaged under-five children
- Manage project staff
- Monitor project site and activities
- Organize training programs
- Keep project on schedule and adjusting workflow as needed
- Align office departments and work to enhance inter-departmental communication and data sharing
- Produce reports and documents outlining key details of research

Centre for Injury Prevention and Research Bangladesh (CIPRB)

Coordinator, Emergency Management of Severe Burn (EMSB)

Dhaka, Bangladesh
January 2017 – August 2019

- Communicate with applicants and participate in the course selection process
- Work with other coordinators to arrange logistics for the course
- Assist in preparing the course reports

TEACHING EXPERIENCE

University of Washington

Teaching Assistant

Seattle, Washington
September 2022 – March 2025

- Served as a 50% FTE teaching assistant for PHI 512 (Analytic Skills for Public Health I), PHI 513 (Analytic Skills for Public Health II), EPI 514 (Application of Epidemiologic Methods), HSERV 482 (Health Systems and Population Health) and as a 25% FTE teaching assistant for EPI 513 (Epidemiologic Methods II), EPI 516 (Advanced Epidemiologic Methods II), and HSERV 533 (Community Oriented Public Health Practice Quantitative Methods).
- Lead weekly in-person discussion sessions, prepared contents for sessions in powerpoint, reviewed problems sets and keys, co-created quizzes and exams with instructors and fellow TAs, held office hours both in-person and on zoom, assisted instructors to conduct R lab sessions, managed Canvas discussion board, monitored course email and replied to student queries, graded assignments and maintained student records as needed.

UW Robinson Centre for Young Scholars

Microbiology Instructor

Seattle, Washington
Summer 2023

- Co-taught an introductory summer Microbiology course for highly motivated high school students at the UW Robinson Centre for Young Scholars along with another instructor. Responsibilities included creating course and lab content, giving lectures, conducting physical labs, arranging field trips, creating and administering exams, communicating with parents, managing administrative tasks related to the class, and guiding teaching assistants.

Bangladesh University of Health Sciences (BUHS)

Teaching Assistant

Dhaka, Bangladesh
July 2016 – December 2016

- Served as a voluntary teaching assistant in one basic Epidemiology and one advanced Epidemiology course under my supervisor. Helped instructors with lectures plans, facilitated discussion sessions, graded assignments, maintained student records, and communicated with students about their questions and concerns

Centre for Injury Prevention and Research Bangladesh (CIPRB)

Course Coordinator

Dhaka, Bangladesh
January 2019- August 2019

- Assisted in designing and delivering two courses aimed at staff capacity development: a) Ethical consideration in research and b) Introductory course for SPSS and STATA use. Helped develop course curriculum and course material, communicated with participants, helped troubleshoot technological challenges during lecture delivery by instructors.

CLINICAL EXPERIENCE

Sajida Hospital

Medical Officer (NICU)

Dhaka, Bangladesh
November 2015 – October 2016

- Treatment and Follow up of admitted patients under guidance of expert consultants

Dhaka Pediatric Neonatal and General Hospital

Dhaka, Bangladesh

Medical Officer (NICU and General Wards)

December 2012 – October 2015

- Treatment and Follow up of admitted patients under guidance of expert consultants

Shaheed Suhrawardy Medical College and Hospital

Dhaka, Bangladesh

Intern Doctor (Medicine, Surgery, Gynaecology)

January 2012 – December 2012

- Work in rotation under guidance of Registrars and Clinical Professors

FUNDED PROJECTS

PhD Dissertation award (\$2,370)

April 2024

Engagement of healthcare providers and caregivers in Kenya via in-depth interviews to help foster a collaborative and inclusive approach toward reducing the adverse impacts of acute malnutrition in children with neurodevelopmental disabilities

Funder: University of Washington Population Health Initiative

Co-Investigator (\$ 107,185)

January – June 2019

Designing a model for community-based intervention in reducing hypertension, diabetes and their risk factors in a rural community in Bangladesh

Funder: Directorate General of Health Services, Ministry of Health & Family Welfare, Bangladesh

Co-Investigator (\$ 95,230)

January – June 2019

Designing a comprehensive model for disability management within the existing health system of Bangladesh

Funder: Directorate General of Health Services, Ministry of Health & Family Welfare, Bangladesh

COURSEWORKS AND TRAININGS

Ethics in Public Health Research, Centre for Injury Prevention and Research Bangladesh (CIPRB), Dhaka, Bangladesh, during 14th April – 12th May 2018 (4 weeks course). Course credit: 6.

SPSS in Health Research, Centre for Injury Prevention and Research Bangladesh (CIPRB), Dhaka, Bangladesh, during 3rd December 2017 – 7th January 2018 (5 weeks course). Course credit: 7.5

Introduction to Systematic Review and Meta-Analysis, by Johns Hopkins University and offered through Coursera (Massive Open Online Course), 2018, Duration: 6 weeks.

Training on “Logical Framework”, Royal National Lifeboat Institution (RNLI), Dhaka, Bangladesh, 2018, Duration: 2 days

Youth Mental Health First Aid Instructor Course, ToT by MHFA England, Dhaka, Bangladesh, 2017, Duration: 5 days

Training on “Participatory Action Research”, Centre for Injury Prevention and Research Bangladesh (CIPRB), Dhaka, Bangladesh, 2017, Duration: 3 days

ToT on “International Development and Early Learning Assessment (IDELA)”, Save the Children Australia, Dhaka, Bangladesh, 2017, Duration: 5 days

Proposal Writing and Research Writing, AuthorAid (Massive Open Online Course), 2017, Duration:

6 weeks, Grade: Merit

Workshop on “Systematic Review & Meta-Analysis in Health care”, Centre for Injury Prevention and Research Bangladesh (CIPRB), Dhaka, Bangladesh, 2017, Duration: 3 days

Workshop on “Effective Presentation and Facilitation Skills”, Bangladesh Center for Communication Programs (BCCP), Dhaka, Bangladesh, 2016, Duration: 2 days

Workshop on “Data Management, Analysis and Report Writing”, Bangladesh Center for Communication Programs (BCCP), Dhaka, Bangladesh, 2016, Duration: 2 days

Workshop on “Instrument Development and Field Data Collection”, Bangladesh Center for Communication Programs (BCCP), Dhaka, Bangladesh, 2016, Duration: 2 days

Certificate Course on Diabetology (CCD), Diabetic Association of Bangladesh Distant Learning Project, Bangladesh Institute of Research and Rehabilitation for Diabetes, Endocrine and Metabolic Disorder (BIRDEM), 2016, Duration: 6 months

VOLUNTARY ACTIVITIES

Foundation for International Understanding Through Students (FIUTS)

University of Washington

Seattle, WA

Facilitator

February 2020 - Present

- Organize events, lead activities and welcome students from all over the world at UW as a student leader.

Centre for Injury Prevention and Research Bangladesh (CIPRB)

Dhaka, Bangladesh

Youth Mental Health First Aid Instructor

March 2017 – Present

- Co-trained 80 scouts and scout leaders over four 2-day sessions to deliver mental health first aid services in rural areas.

SKILLS

Computer:

Microsoft Office suite, SPSS, R Studio, STATA, Mendeley, Zotero, JMP

Language:

English- Full Professional Proficiency

Bengali- Native proficiency

Hindi- Conversational proficiency

PUBLICATIONS

Atlas HE, Mogeni P, **Shawon RA**, Tickell KD, Bunyige L, Monchari I, Oongo S, Diakhate MM, Brander RL, Liru M, Bogonko G, Nduati R, Richardson BA, John-Stewart G, Walson JL, Singa BO, Pavlinac PB, McGrath CG. Effect of azithromycin on post-discharge growth in Kenyan children. *BMJ Global Health*. 2025;10:e020294. <https://doi.org/10.1136/bmjgh-2025-020294>

Coe, MM, **Shawon, RA**, Masheti, M, Oduol C., Amam P, Olieng’o GO, Timbwa M, Kamui M, Thitiri J, Gimbel S, Singa B & Means AR. “Though there are some challenges, we try our best to follow the guidelines”: a qualitative study exploring determinants of providing guideline-adherent care to

hospitalized children in Kenya. *Implement Sci Commun* 6, 110 (2025). <https://doi.org/10.1186/s43058-025-00790-1>

Shawon RA*, Denno D, Tickell KD, Atuhairwe M, Bandsma R, Mupere E, Voskuijl W, Mbale E, Ahmed T, Chisti J, Saleem AF, Ngari M, Diallo AH, Berkley J, Walson J, Means AR. Prevalence and correlates of paediatric guideline non-adherence for initial empirical care in six low and middle-income settings: a hospital-based cross-sectional study. *BMJ Open* 2024;14:e078404. doi: 10.1136/bmjopen-2023-078404

Rakhshanda S, Abedin M, Wahab A, Barua L, Faruque M, Banik PC. **Shawon RA**, Rahman F, Mashreky SR. Self-reported prevalence of asthma and its associated factors among adult rural population in Bangladesh: a cross-sectional study using WHO PEN protocol. *BMJ Open* 2023;13:e074195. doi: 10.1136/bmjopen-2023-074195

Faruque, M, Barua, L, Rakhshanda, S, Banik, P.C., **Shawon, RA**, Rahman, AF and Mashreky, SR. Baseline prevalence of hyperglycemia and its predictors among community clinic users of a selected rural area of Bangladesh: A cross-sectional study using the WHO PEN Protocol 1. *J Diabetes Investig*, 2023;14: 1368-1377. <https://doi.org/10.1111/jdi.14074>

Prater LC, Ellyson AM, **Shawon RA**, Lyons VH, Cheung A, Rivara F, Rowhani-Rahbar A, Zatzick D. Suicide, Firearms, and Terminal Illness: A Latent Class Analysis Using Data From the National Violent Death Reporting System. *Psychiatric Services*. 2023;74(6):589-595. doi:10.1176/appi.ps.202100733

Barua L, Faruque M, Rakhshanda S, Banik PC, **Shawon RA**, Mashreky SR. Baseline prevalence of high blood pressure and its predictors in a rural adult population of Bangladesh: outcome from the application of WHO PEN Interventions. *J Clin Hypertens*. 2021; 23: 2042–2052. <https://doi.org/10.1111/jch.14386>

Rakhshanda S, Barua L, Faruque M, Banik PC., **Shawon RA**, Rahman F, Mashreky S. Malnutrition in all its forms and associated factors affecting the nutritional status of adult rural population in Bangladesh: results from a cross-sectional survey. *BMJ Open* 2021;11:e051701. doi: 10.1136/bmjopen-2021-051701

Shawon RA*, Adhia A, DeCou C, Rowhani-Rahbar A. Characteristics and patterns of older adult homicides in the United States. *Inj Epidemiol* [Internet]. 2021;8(1):5. Available from: <https://doi.org/10.1186/s40621-021-00299-w>

Thomson DR, Bhattarai R, Khanal S, Manandhar S, Dhungel R, Gajurel S, Hicks JP, Duc DM, Ferdoush J, Ferdous T, Urmy NJ, **Shawon RA**, Long KQ, Poudel AK, Cartwright C, Wallace H, Ensor Tim, Baral S, Mashreky S, Huque R, Minh HV, Elsey H. Addressing Unintentional Exclusion of Vulnerable and Mobile Households in Traditional Surveys in Kathmandu, Dhaka, and Hanoi: a Mixed-Methods Feasibility Study. *J Urban Heal* [Internet]. 2021;98(1):111–29. Available from: <https://doi.org/10.1007/s11524-020-00485-z>

Elsey H, Fieroze F, **Shawon RA**, Nasreen S, Hicks JP, Das M, Huque R, Hirano I, Wallace HJ, Mashreky S. Understanding demand for, and feasibility of, centre-based child-care for poor urban households: a mixed methods study in Dhaka, Bangladesh. *BMC Public Health* [Internet]. 2020;20(1):1899. Available from: <https://doi.org/10.1186/s12889-020-09891-z>

Shawon RA*, Mashreky SR. A response letter to the editor on mechanism classification of fatal injuries. *Burns* [Internet]. 2019;46(1):253–4. Available from:

<https://doi.org/10.1016/j.burns.2019.04.002>

Shawon RA*, Ferdoush J, Ali AH, Biswas A, Rahman AKMF, Mashreky SR. Alarming rise in fatal electrocutions in Bangladesh: Comparison of two national surveys. *Burns* [Internet]. 2019;45(6):1471–6. Available from: <https://doi.org/10.1016/j.burns.2019.03.019>

Thomson DR, Bhattarai R, Khanal S, Manandhar S, Dhungel R, Gajurel S, Hicks JP, Duc DM, Ferdoush J, Ferdous T, Urmy NJ, **Shawon RA**, Long KQ, Poudel AK, Cartwright C, Wallace H, Ensor Tim, Baral S, Mashreky S, Huque R, Minh HV, Elsey H. Feasibility of innovative tools and methods to improve household surveys in complex urban settings: Multiple methods analysis of the Surveys for Urban Equity (SUE) study in Kathmandu, Dhaka, and Hanoi. Preprint [Internet]. 2019;(October):1–21. Available from: <https://www.preprints.org/manuscript/201910.0320/v1>

Elsey H, Agyepong I, Huque R, Quayyem Z, Baral S, Ebenso B, Kharel C, **Shawon RA**, Onwujekwe O, Uzochukwu B, Nonvignon J, Aryeetey GC, Kane S, Ensor T, Mirzoev T. Rethinking health systems in the context of urbanisation: Challenges from four rapidly urbanising low-income and middle-income countries. *BMJ Glob Heal*. 2019;4(3).

Das M, Elsey H, **Shawon RA**, Hicks J, Ferdoush J, Huque R, Fireroze Fariza, Nasreen S, Wallace H, Mashreky S. Protocol to develop sustainable day care for children aged 1-4 years in disadvantaged urban communities in Dhaka, Bangladesh. *BMJ Open*. 2018;8(7).

Mashreky SR, **Shawon RA**, Biswas A, Ferdoush J, Unjum A, Rahman AKMF. Changes in burn mortality in Bangladesh: Findings from Bangladesh Health and Injury Survey (BHIS) 2003 and 2016. *Burns*. 2018;44(6).

CONFERENCE PRESENTATIONS AND PROCEEDINGS

Presenter, “Prevalence and correlates of pediatric guideline nonadherence for initial empiric care in six low and middle-income Countries”, American Society of Tropical Medicine and Hygiene (ASTMH) conference, Oct 30, 2022 - Nov 3, 2022, Seattle Convention Center, USA.

Presenter, "Older adult homicides in the United States: Findings from the national violent death reporting system", American Public Health Association (APHA) 2020 Virtual Annual Meeting & Expo, October 24-28, 2020, Virtual.

Presenter, “Meeting SDG 11: Stimulating multi-sectoral responses to create an urban health system able to improve health and social outcomes for, and with, the urban poor”, Fifth Global Symposium on Health Systems Research (HSR 2018), October 8-12, 2018, Liverpool, UK.

Presenter, “Effect of Tobacco Sales by Children and Adolescents on Their Tobacco Consumption Related Practice and Attitude”, The 12th Asia Pacific Conference on Tobacco or Health (APACT), September 13-15, 2018, Bali, Indonesia.

Presenter, “Alarming Rise in Electrocution Mortality: Revelation from Bangladesh Health and Injury Survey 2003 and 2016”, 8th Regional Public Health Conference, December 29-30, 2017, Dhaka, Bangladesh.

Presenter, “Neonatal Health Care Practices Among Rural People of Bangladesh”, 7th Regional Public Health Conference, December 6-7, 2016, Dhaka, Bangladesh.

Presenter, “Care Seeking Practice for Neonatal Morbidities in a Rural Setting of Bangladesh,” 4th Public health Foundation Day and Scientific Seminar, December 8, 2016, Dhaka, Bangladesh.

Ferdoush, J., **Shawon, R. A.**, Ali, A. H., Rahman, A. K. M. F., & Mashreky, S. R. (2018). PW 1191 Epidemiological distribution of ocular injury in Bangladesh: findings from national health and injury survey 2016. *Injury Prevention*, 24(Suppl 2), A172 LP-A172. http://injuryprevention.bmj.com/content/24/Suppl_2/A172.2.abstract

Hossain, M. J., Ferdoush, J., **Shawon, R. A.**, Mashreky, S. R., & Rahman, A. K. M. F. (2018). PW 2842 Epidemiology of traumatic head injury- nationally conducted survey findings from Bangladesh. *Injury Prevention*, 24(Suppl 2), A195 LP-A195. http://injuryprevention.bmj.com/content/24/Suppl_2/A195.3.abstract

Talab A, Baset KU, **Shawon RA**, Chowdhury SM, Mashreky SR. PA 06-4-2907 Is motorcycle injury an emerging public health problem in bangladesh: sharing experiences from a national population-based survey. *Inj Prev*. 2018;24(Suppl 2):A13 LP-A14. doi:10.1136/injuryprevention-2018-safety.37

SCHOLARSHIPS AND AWARDS

University of Washington Graduate School Top Scholar Award	2019
Full scholarship to attend and present research findings at the 5 th Global Symposium on Health System Research, Liverpool, UK.	2018
Full scholarship to attend and present paper at the Asia Pacific Conference on Tobacco or Health, Indonesia	2018
Tobacco Control Student Research Grant by Bloomberg Initiatives, Dhaka, Bangladesh	2016

PROFESSIONAL MEMBERSHIP

Member of Global Burden of Disease Collaboration
Member of Health Systems Global (HSG)
Member of Bangladesh Tobacco Control Research Network (BTCRN)
Member of Public Health Foundation Bangladesh