**CURRICULUM VITAE**

**Md. Mizanur Rahman, MPH**

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**SUMMARY**

* Mixed-Methods Researcher with 3 years of professional experience in **public health and implementation research**, with competencies in **infectious diseases, epidemiology, community health, health promotion, behavioral health, health systems research, and gender & human rights**. Strong focus on participatory, community-based qualitative approaches, complemented by quantitative expertise.
* Proficient in **statistical and qualitative analysis tools** (STATA, R, NVivo, Dedoose, Kobo Toolbox), with proven ability to transform diverse datasets into actionable insights for policy and practice.
* Extensive **field research experience** across varied populations, including the Rohingya host community, urban slum dwellers, rural marginalized groups, and gender minorities.
* Academic involvement includes **MPH thesis mentorship, Teaching Assistantships in quantitative and qualitative research methods, and PhD research assistantship**, reflecting strong commitment to teaching, mentorship, and academia.
* Experienced in **health system evaluations, mixed-method implementation research, and advanced study designs** such as randomized controlled trials, case-control, and cohort studies.
* Holder of a **Bachelor of Dental Surgery (BDS)** and a **Master of Public Health (MPH)**; awarded the **WHO-TDR Fellowship in Implementation Research**. Native Bengali speaker with fluent English communication and scientific writing skills.

**EDUCATION**

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| Master of Public Health (MPH) | **BRAC James P Grant School of Public Health**  **BRAC University, Bangladesh**  **CGPA:** 3.48/4 | 2022-2023 |
| Bachelor of Dental Surgery | **University of Dhaka**  **CGPA:** Passed | 2012-2017 |

**MPH Thesis (Summative Learning Project- SLP)**

Experiences of the Beneficiaries of Interactive Popular Theatre (IPT): A Qualitative Study on the experiences of the beneficiaries of IPT as a part of the BRAC CST program on COVID-19 prevention in Cox’s Bazar, Bangladesh.

**PROFESSIONAL EXPERIENCES**

**Research Associate** (February 2023 – Till date)

Organization: BRAC James P Grant School of Public Health

(Centre of Excellence for Science of Implementation and Scale-UP)

Dhaka, Bangladesh

**Responsibilities:**

* Developed **study designs**, prepared funding **proposals**, **protocols**, and **SOP**s, and handled **IRB submissions** to ensure studies met ethical and scientific standards.
* Prepared project budgets and **managed finances** throughout the study, gaining hands-on experience in research fund management.
* Organized **stakeholder meetings** and **led training sessions** for research assistants to build skills and keep projects running smoothly.
* Led data collection, analysis, and reporting using **Kobo Toolbox, STATA, and NVivo**, turning data into useful findings for decision-making.
* Planned and carried out community-focused **interventions**, arranged **workshops**, raised awareness, and shared research results with both communities and scientific audiences through **knowledge translation** activities.

**Project Exposures:**

**1. Pandemic Preparedness:** A Qualitative exploration of future preparedness of the Bangladesh Health System to fight against future pandemics based on the first-hand experiences of healthcare front-liners during COVID-19.

Funding Organization: **UNFPA Bangladesh**

* Contributed to making a data matrix for **thematic qualitative data analysis** using **NVivo** and prepared a scientific report based on the findings.
* **Organized a** **national dissemination workshop** that brought together government and non-government health policymakers to discuss strategies for strengthening health system resilience and pandemic preparedness, drawing on lessons from COVID-19.

**2. MDR-TB Gender:** Conducted mixed-method implementation research on gender-related barriers and facilitators to accessing MDR-TB care in Bangladesh. The quantitative survey examined socio-cultural, financial, and environmental factors affecting healthcare utilization, while the qualitative component used the CFIR framework to explore solutions from both beneficiary and implementer perspectives. The whole study focused on strong components of social inequalities in health in the national TB program and conveyed necessary health system policy modifications and recommendations to the DG Health.

Funding Organization: **WHO-TDR Fund**

* Led multi-district mixed-method research on MDR-TB, managing **tool** development, **supervising field** teams, and conducting both quantitative and qualitative **analyses**.
* Authored the scientific report and contributed to developing manuscripts currently in preparation for peer-reviewed publication.
* Mentored two international MPH students, guiding them in completing their quantitative theses.

**3. Dengue cRCT Pilot Study:** A mixed-method study looking at the feasibility of the Cluster Randomized Trial (cRCT) on dengue prevention through community-based intervention across the city of Dhaka, Bangladesh.

**Funding Organization: Canadian Institutes of Health Research (CIHR)**

* Collected and analyzed quantitative data, prepared dissemination materials, and shared findings through community meetings.
* Assisted a Canadian PhD student from the University of Montreal in conducting semi-quantitative research using **Fuzzy-Cognitive Mapping (FCM)**, while overseeing fieldwork, bio-sample collection, administration, and coordination across four pilot sites.
* Analyzed FCM data and developed comprehensive knowledge translation materials, followed by conducting **Deliberative Dialogues** in pilot communities to discuss both survey and FCM findings.
* Co-authored two manuscripts in partnership with the PhD candidate, both submitted to peer-reviewed journals.

**4. Dengue Cluster Randomized Controlled Trial (cRCT):** This study examines the effectiveness of community-based interventions compared to existing dengue prevention initiatives. The trial follows clusters longitudinally, and a Difference-in-Differences (DID) approach will be applied to compare changes in sero-prevalence before and after the intervention against existing dengue prevention initiatives, thereby determining the program's impact.

Funding **Organization: Canadian Institutes of Health Research (CIHR)**

* Led a 40-member survey team to collect baseline data and blood samples in slum and non-slum communities of Dhaka North and South city corporations, **overseeing** all aspects of a cluster randomized controlled trial (cRCT), including **approvals**, **budgeting, recruitment, and procurement**.
* Contributed scientifically by selecting study clusters using **Google Earth**, refining research protocols and questionnaires to align with ethical standards and local contexts, and developing digital tools for data collection. Currently collaborating with the **University of Montreal** team to conduct data analysis for the study.

**5. Sepsis Catalyst:** This project is a feasibility study in collaboration with Brown University of a wearable patch that helps early detection of pediatric sepsis through continuous monitoring of vitals. It explores the feasibility and acceptability among healthcare providers and caregivers for further district-level scale-ups, as the clinical trial of this device has been ongoing at the ICDDRB.

**Funding Organization: Brown University**

* Conducted key-informant interviews with healthcare providers in selected district-level hospitals, followed by qualitative data analysis and report writing.
* Applied two established frameworks, **the theoretical framework of feasibility and the acceptability framework**, to structure and interpret findings.
* Contributed to the dissemination of research outcomes, with an abstract submitted to the **2025 Asian Conference on Implementation Science**. Currently, writing one manuscript as the first author and another as the second author.

**6. Synthesis and Translation of Research and Innovations in Polio Eradication (STRIPE) Project:** This project aims to build research capacity among non-researcher policymakers, as well as government and NGO mid-level managers, to conduct Implementation Research in collaboration with the Johns Hopkins Bloomberg School of Public Health. This phase of research examines health system gaps through a combination of implementation science and health system research, informing policymakers on how to enhance the health system response.

**Funding Organization: Bill and Melinda Gates Foundation**

* Serving as **Project Coordinator** for an NCD referral system implementation research project, leading all aspects of scientific and field administration.
* Mentored government and non-government mid-level health program managers to **strengthen capacity** in implementation research; **facilitated training** sessions, organized workshops, and delivered instruction on research methodologies and data analysis.
* Provided technical support in developing **concept notes**, designing **data collection tools**, and establishing electronic data platforms (e.g., **Kobo Toolbox**) to enhance research efficiency.
* Supported participants in executing research protocols and ensuring high-quality field data collection across diverse settings.
* Leading upcoming data analysis using **STATA** and **NVivo**, with plans to triangulate multiple data sources from varied target audiences to generate a comprehensive scientific report.

**7. Childhood onset NCD:** This project evaluates the early implementation of PEN-Plus for paediatric NCDs in Bangladesh, generating real-time evidence and recommendations to inform scale-up and policy integration. It will identify gaps in facility-level care, assess community engagement strategies, and explore facilitators and barriers within the health system for effective and sustainable implementation.

* Currently contributing to a desk review focusing on WHO PEN-package implementation Strategies for Childhood-Onset Noncommunicable Disease (NCD) Interventions in South Asian countries, with a focus on Bangladesh.

**Teaching Assistantship**

* Managed student affairs for the MPH program for three years, particularly supporting the integrated module of **Epidemiology, Biostatistics, and Quantitative Research Methods (EBQ)** under Prof. **Malabika Sarker (Brown University)**, including lab session support, preparation of study materials, quiz and exam administration, grading, and record maintenance.
* Served as the primary point of contact for academic and administrative queries, ensuring smooth communication between students, faculty, and the MPH coordination team.
* Assisted **Prof. Alayne Adams (McGill University)** as a **Teaching Assistant** for her Qualitative Research Methods module.

**Thesis Mentorship**

Mentored several national and international students on their mixed-method MPH theses, covering diverse public health topics including MDR-TB, HPV vaccination, and Pediatric Sepsis, predicting a wearable patch.

1. Determinants associated with delayed diagnosis of Multidrug-Resistant Tuberculosis in Bangladesh: A mixed-methods study (Student: Shagufta Baig – **Pakistan**)
2. Evaluation of challenges and barriers influencing health-seeking behavior among MDR-TB patients through a gender lens in Bangladesh: A cross-sectional Study (Student: Naved Alam – **India**)
3. A Qualitative Exploration of Motivations and Barriers in the Decision-Making Regarding the Uptake of HPV Vaccine Among Caregivers of Adolescent Girls in Dhaka Korail Slum (Student: Kristian Yudhianto – **Indonesia**)
4. Exploring Caregivers’ Perception of Wearable Technology for Sepsis Management for Children Aged Under 5: A Scenario-based Qualitative Study in Dhaka, Bangladesh (Student: Sabrina Kamal – **Bangladesh**)

**Freelance Researcher**

Organization: Outright International(January 2023 – December 2023)

* Led a mixed-methods study on the experiences of LBQ women facing online-based violence in Dhaka, including development of research instruments, data collection, analysis, and report writing.
* Contributed findings to a forthcoming **multi-country global report**, soon to be published on the organization’s official website.

**Oral and Dental Surgeon** (January 2021 – December 2021)

Organization: Razia Dental Care

* Maintained strong patient rapport while performing clinical procedures and managing overall dental clinic operations.

**Post-Graduate Trainee Doctor** (January 2020 – December 2020)

Organization: Dhaka Dental College Hospital

* Performed diagnosis and treatment procedures while maintaining strong patient rapport and managing overall dental clinic operations.

**Intern Doctor** (February 2018 – January 2019)

Organization: Dhaka Dental College Hospital

* Diagnosed and planned treatment for oral pathologies, managed prescriptions, and performed minor surgical, conservative, and operative procedures.
* Handled patient care in medicine and surgery departments, including attendance, follow-up, admission, and discharge.
* Presented academic clinical cases in seminars and contributed to knowledge exchange within the hospital.
* Led public health awareness initiatives and coordinated free oral health camps to extend preventive oral health services to the community.

**PUBLICATIONS**

1. Gagnon-Dufresne, M.-C., Sarmiento, I., Cooper, S., **Rahman, M**., Ghosh, P., Andersson, N., & Zinszer, K. (2025). Why urban communities in low- and middle-income countries participate in global health research: A scoping review and fuzzy cognitive mapping summary. Manuscript submitted for publication, Social Science & Medicine. (Manuscript Number: SSM-D-25-04111) (Under journal Review)
2. Gagnon-Dufresne, M.-C., **Rahman, M.**, Ghosh, P., Cooper, S., Sarmiento, I., Andersson, N., & Zinszer, K. (2025). Community views of factors influencing participation in dengue research: Fuzzy cognitive mapping in Dhaka, Bangladesh. Manuscript submitted for publication, Community Health Equity Research and Policy. Manuscript No. QCH-25-0146. (Under journal review)
3. Barua, M., Saha, A., Mannan, M. A., Ghosh, P., Sumrina, J., Alam, S., Islam, M. J., **Rahman, M**., Kabir, M. M. S., Chowdhury, M. A. K., Kharel, C., & Del Barrio, M. O. (Year). Factors influencing experiences of multidrug-resistant tuberculosis patients in Bangladesh: Findings from an implementation research through a gender lens.(Manuscript under internal review)

**CONFERENCE PRESENTATION**

**9th International Public Health Conference 2023** (17/11/2023 – 18/11/2023 – Dhaka, Bangladesh)

Research Paper title: ***“How prepared are we to fight the future pandemics: A qualitative exploration of Bangladesh's Health Sector readiness during the COVID-19 pandemic and recommended best practices.”*** Organized by: Public Health Foundation, Bangladesh.

**TRAINING AND COURSES**

1. Basic Course on Epidemiology, Biostatistics, and SPSS (ICDDRB, Dhaka – 2020)
2. Advanced Course on Epidemiology, Biostatistics, and SPSS (ICDDRB, Dhaka – 2020)
3. Short Course on Implementation Research (BRAC JPGSPH, Dhaka - 2023)
4. Short Course on Systematic Review and Scientific Writing (BRAC JPGSPH, Dhaka - 2023)
5. Collection, Management, Analysis, and Interpretation of NCD Data (BRAC JPGSPH, Dhaka - 2025)

**KEY TECHNICAL SKILLS**

1. Research and analysis software (STATA, R, NVivo, Dedoose)
2. Online survey tool (Survey CTO, Kobo Toolbox, Google Form)
3. Project Management Software (ClickUp, Asana)
4. Information Processing Software (Microsoft Word, Excel, PowerPoint, Canva, Lucid)

**AWARDS**

1. **WHO-TDR Scholarship**

Awarded the World Health Organization TDR International Postgraduate Training Fellowship on Implementation Research for MPH 2022-23.

1. **Best Poster Award**

**Richard Cash Award** for best poster as a group in SLP (Thesis) during the MPH Graduation.

**VOLUNTEERING EXPERIENCE**

Associate Member

**Organization: United Nations Youth and Students Association of Bangladesh (UNYSAB)** (2020 – 2023)

* Participated in an online **Model United Nations (MUN)** and contributed to fundraising initiatives supporting the education and festive celebrations of street children.
* Engaged in organizing and attending **leadership development programs, capacity-building trainings, and networking initiatives**, strengthening skills in teamwork and collaboration.
* Actively promoted the **Sustainable Development Goals (SDGs)** and joined advocacy campaigns addressing violence against women, child marriage, and social stigma.

**COMMUNICATION SKILLS**

1. Leadership Skills, Effective Communication, and Negotiation Skills
2. Team Playing, Team Building, and overall team management
3. Collaboration and Partnerships with Govt, Non-Govt, Religious, and Political Stakeholders Engagement
4. Community Sensitization and Establishing Strong Rapport with the Community Across the Class.

**RECOMMENDATIONS**

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| **Prof. Dr. Malabika Sarker**  **(TDR Thesis Supervisor and former Supervisor)**  Professor of the Practice of Behavioral and Social Sciences, Brown School of Public Health & Adjunct Faculty, BRAC James P Grant School of Public Health, BRAC University [malabika\_sarker@brown.edu](mailto:malabika_sarker@brown.edu),  Phone: +1 (401)323-5220 | **Mrittika Barua, PhD**  **(Thesis & former Supervisor)**  **Adjunct faculty & Technical Advisor**  Center of Excellence for Science of Implementation and Scale-Up, BRAC JPGSPH, [BRAC University](mailto:mrittika@bracu.ac.bd)  [mrittika@bracu.ac.bd](mailto:mrittika@bracu.ac.bd),  Phone: +8801828384794 | **Dr. Laura Reichenbach,**  **MPA, ScD**  **(Current Supervisor)**  **Dean & Director**  Center of Excellence for Science of Implementation and Scale-Up, BRAC JPGSPH, BRAC University  [humayra.anwar@bracu.ac.bd](mailto:humayra.anwar@bracu.ac.bd),  Phone: +8801770151523 |