

Dr. Shafi U. Bhuiyan, PhD, MPH, MBBS, MBA
Associate Professor, and SBS Program Coordinator
Division of Social and Behavioral Sciences
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CV Update: January, 2024

Dr. Shafi U. Bhuiyan, PhD, MPH, MBBS, MBA, is an Associate Professor and SBS Program Coordinator in the Division of Social and Behavioral Sciences at the University of Memphis, TN, USA. He is also an internationally recognized leader in global public health and education, with nearly two decades of experience in teaching, research, and managing graduate public health programs in Thailand, Bangladesh, Japan and Canada.

With over 55 articles, editorials & technical papers published in peer-reviewed journals, Dr. Bhuiyan is an academic editor for numerous international public health journals. He has mentored more than 25 graduate students annually since 2015 and has been actively involved in graduate program committees and curriculum development in universities in Thailand, Japan, and Canada.

Dr. Bhuiyan's contributions extend to managing multi-million-dollar grant funding for community-based research projects, improving maternal and child health promotion through utilization of MCH Handbook in Bangladesh, and developing partnerships globally to support students' experiential learning. His leadership extends to serving as the outgoing Board Chair of the Canadian Coalition for Global Health Research, Canadian representative of CUGH, Inaugural Board of Directors of the Canadian Association for Global Health, MCH Handbook international conference chair and founding member of the International Committee on MCH Handbook.

Dr. Bhuiyan has received recognition for his humanitarian services, including being a Top 25 finalist for RBC's new immigrants in Canada, a recipient of the Master of Success 'Gold Medal' award, and recipient of Lions International President's Distinguished Leadership Award, Melvin Jones Fellowship, and Helen Keller Fellowship for community services and social development.

A. Education

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|-------------|---|
| 2014 – 2016 | Master of Business Administration (M.B.A.), MBA Global Healthcare Management, Ryerson MBA - Ted Rogers School of Management, Ryerson University, Canada, Supervisor: Prof. Dale Carl, PhD |
| 2001 – 2005 | Doctor of Philosophy (Ph.D.) in Human Sciences, Osaka University, Japan, Supervisor: Prof. Yasuhide Nakamura, MD, PhD |
| 1999 – 2000 | Master's in public health (MPH) major in Urban Health, Faculty of Public Health, Mahidol University, Thailand, Supervisor: Professor Jareyporn Suparp, MD, MPH, PhD |
| 1986 – 1993 | Bachelor of Medicine and Bachelor of Surgery (M.B.B.S), University of Dhaka, Bangladesh
Supervisor: Prof. Probhakor Purkaystha, MD, FCPS |

B. Certificates/ Qualifications

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|----------------|---|
| 2013 | Professional Writing (School of Continuing Studies), U of T, Canada |
| 2012 | Project Management (Continuing Education), Ryerson University, Canada |
| 1992 – Present | Registered Medical Practitioner, Bangladesh Medical and Dental Council (BMDC), License #: A 22818 |

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C. Employment

Primary Academic Appointments

1/1/ 2024 – Present	Associate Professor and SBS Program Coordinator, Division of Social & Behavioral Sciences, School of Public Health University of Memphis, TN, USA
2012 – 2023	Assistant Professor, Global Health Emphasis, Clinical Public Health (CPH), and Social and Behavioral Health Sciences (SBHS), Dalla Lana School of Public Health, University of Toronto, Ontario, Canada
2021- Present	Visiting Professor, Global Health, and Honorary Executive Director, ICP&RC Bangladesh University of Health Sciences
2013 – 2022	Distinguished Visiting Scholar/Research Fellow, Adjunct Professor and Academic Director Internationally Trained Medical Doctors (ITMD) Post- Graduate Program/Faculty of Community Services, The Chang School of Continuing Education, Ryerson University, Toronto, Ontario, Canada
2009 – 2010	Visiting Professor/Scholar, International Collaboration Division, Osaka University, Japan
2007 – 2009	Post-Doctoral Fellow Researcher & Visiting Scholar/Faculty, Faculty of Human Sciences International Collaboration in Health, Osaka University, Japan
2005 – 2007	Professor/Faculty Member & Technical Expert ASEN Institute for Health Development (AIHD), Mahidol University, Thailand

Executive Positions in International and National Organizations

2013 – Present	Member, World Federation of Public Health Association MCH Working Group, Geneva
2013 – 2023	Canadian Coalition for Global Health Research (CCGHR) University Advisory Council U of T and Ryerson Liaison and Co-Chair, Capacity Development Program Area (CDPA), Board Treasurer, and currently elected Board Chair CCGHR, Canada
2009 – Present	Founding Member, Scientific Director & Principal Investigator, MCH Handbook Pilot Project in Bangladesh, International Committee on MCH Handbook, Osaka University, Japan
1998 – 2005	Founding Research and Training Coordinator Maternal and Child Health Training Institute (MCHTI) Ministry of Health and Family Welfare, Dhaka, Bangladesh
2013 – 2023	University Liaison, Canadian Partnership for Women and Children's Health (Former CAN-MNCH), Toronto, Canada

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Previous research and clinical appointments

2010 - 2012 Scientist and Senior Manager, Special Health Projects, The Ontario HIV Treatment Network (OHTN), Toronto, Canada

Other executive appointments

2018 – 2022 Region/Zone Chair, Lions Clubs International Lions District A711, Canada

2018 – 2022 Dist. Diabetes Chair and Charter President, Toronto Global Doctors Lions Club, International Lions District A711, Canada

2014 – Present Founding Chairperson, ITMDs Canadian Network (ICaN), Toronto, Canada

2014 – 2023 Vice Chair, Board Member, Birchmount Bluffs Neighbourhood Centre (BBNC)

2012 – 2016 Youth Exchange Chair, Lions Clubs International (District A711) Canada

1995 – 1998 Medical Officer, Health Promotion & Community Health, (MCH-FP)
Director General for Family Planning (DGPF), Ministry of Health & Family Welfare, Gazipur, Dhaka, Bangladesh

1993 – 1995 Resident Physician & Clinical Associate, Sir Salimullah Medical College & Mitford Hospital Dhaka, Bangladesh

D. Awards

2007 – 2009 Post-Doctoral Global Research Scientist Award, Japan Society for the Promotion of Sciences (JSPS) Fellowship, Osaka University, Japan. Awarded \$150,000.00

2001 – 2005 Monboshu Ph.D. Study Award/Scholarship, Ministry of Education, Science and Technology, Government of Japan, Awarded \$100,000.00

1999 – 2000 UNFPA Fellowship/MPH Study Award, Strengthening of MCH Program in Bangladesh United Nations Population Fund (UNFPA), Thailand

2018- 2019
2020 Leadership Award from South Asian Community [CASSA]
Distinguished Leadership Award from Dr Choi, Lions Clubs International, USA

E. Professional Activities

Consultations

2014 - 2016 Global Health Education Consultant, Massive Open Online Course (MOOC), Death 101 Course Development, Center for Global Health Research, St. Michael's Hospital, Toronto

1998 – 2001 National Consultant and Executive Liaison Officer for the United National Fund for Population (UNFPA)/European Commission (EC)- Urban Health Project and JICA MCHTI Grant-Aid Project, Dhaka, Bangladesh

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Professional Associations

2021- Present 2018 – 2021	Inaugural Board of Director, Canadian Association for Global Health [CAGH] Chair, Board of Directors, The Canadian Coalition for Global Health Research (CCGHR)
2016 – 2018	Board Member & Institutional Liaison, The Canadian Coalition for Global Health Research (CCGHR)
2012 – Present	Member, Canadian Public Health Association (CPHA), Canada
2012 – Present	Member, Canadian Society for International Health (CSIH), Canada
2001 – Present	Founding Board Member, International Committee on MCH handbook, Osaka University
1994 – Present	Lifetime Member, Bangladesh Medical Association (BMA), Membership #: A 22818
2004 – 2016	Member, International Society of Urban Health, USA

External reviews for funding agencies

2010 – Present	Conference Reviewer, Consortium of Universities for Global Health (CUGH)
2010 – 2018	Conference Reviewer, International AIDS Society (IAS)
2001 – Present	Reviewer, Graduate students' thesis and conference presentation, Osaka University, Japan and Mahidol University, Thailand and Ryerson University and U of T, Canada

Journal editorship and peer reviews

2018 – Present	Editorial Member, Report on Global Health Research
2018 – Present	CIHR- Grand Challenges funding program
2017 – 2022	Chief Editor, ITMDs Newsletter- Bridge, Ryerson University
2016 – Present	Editorial Member, Journal of Community Medicine & Public Health
2015 – Present	Editorial Member, Public Library of Science (PLOS) ONE, and Selected PH International Journals Academic Editor

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2013 – Present	Grant Reviewer, Ontario Graduate Students Scholarship Award
2012 – 2016	Grant Reviewer, Micronutrient research grant program, Canada
2005 – 2019	Manuscript Reviewer, Selected Global Health academic journals in the world: Journal of Community Medicine & Public health (2016 – Present), PLOS ONE (2015 – Present), Journal of Public Health Development (2016- Present)
2004 – 2018	Conference Proceeding Editor, International Committee on MCH Handbook, Osaka University, Japan

Admission Reviews & Committee Participation

2015 – 2023	Reviewer, Post-graduate Admission, U of T and Toronto MetU
2013 – 2023	Reviewer, Ph.D./MPH Admission, University of Toronto

F. Current academic and ongoing research interests

Topics: International collaboration through Maternal and Child Health (MCH) Handbook to ensure human security, women empowerment, health promotion, continuum of care, health system strengthening, and international development

My primary research interest is in Global Health Development with a special emphasis on maternal and child health (MCH). As well, my research projects focus on the empowerment of women through the provision of two-way communication systems and media tools that enable them to access health promotion information to ensure safe pregnancies. My research philosophy stems from the belief that the development of a healthy family unit is central to the development of a nation. Improving the health of women can improve the health of their children, which ultimately leads to increased capacity to contribute to the development of society and the workforce.

I have been involved in numerous MCH research projects and initiatives throughout my career. I was involved in research projects related to the development and scale-up of the MCH Handbook in developed and developing countries. The MCH Handbook was initially developed in Japan after World War II. Since it was developed, the MCH handbook has grown tremendously and expanded into countries around the world. Currently, the MCH Handbook is being used in about 39 countries. MCH Handbooks are home-based records that provide mothers and their children with essential health education, facilitate two-way communication between families and health workers, and serve as a tool to record health information. During my tenure in Japan (2001-2009), I gained insight into lessons learned in health promotion and the MCH Handbook.

The MCH Handbook provides an excellent platform to contribute to universal Sustainable Development Goals to improve maternal, neonatal, and child health. As well, the MCH Handbook can contribute to strengthening health systems in developed and developing countries. The MCH Handbook is not only about health education, but also about creating ownership with women and families. The two-way communication tool allows parents to become partners with health professionals.

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Studies reveal that the MCH Handbook has numerous advantages. It is a low-cost tool that can be used in low-resource settings and can be adapted to the local language as well as the needs of a population. While the concept of the tool is universal, the content, pictures, and illustrations vary in each country's handbook to reflect each country's unique cultures, customs, and needs. The MCH Handbook develops the capacity to manage complex conditions and facilitates dialogue to improve maternal, neonatal, and child healthcare for vulnerable populations, which ensures that no one is left behind. By supporting healthy pregnancies, reducing birth risks, and improving the quality of childcare, it contributes to the reduction of maternal and child mortality. The outcomes of this tool motivate me to continue my work toward improving health systems, particularly in primary care.

Building on my expertise gained during the development and promotion of the MCH Handbook in Japan, I became the founding scientific director of the MCH Handbook Committee. Through the committee, I aim to collaboratively expand the MCH Handbook and contribute to the advancement of maternal health across developed and developing nations.

Moving forward, I am eager to continue working in partnership with stakeholders such as governments, international and non-governmental agencies, as well as in academia to create and promote two-way tools that can be used online and offline to promote safe practices in pregnancy and ensure the health of the next generation. Currently, I am planning and developing scale-up initiatives in Bangladesh, Kenya, and with marginalized populations in Canada.

I am also committed to using evidence from current initiatives to strengthen existing tools. I anticipate the creation of online media tools such as apps to promote health seeking behavior among marginalized populations such as Aboriginal people, new immigrants, and residents of provinces without adequate primary healthcare services. My focus will continue to be on expanding MNCH initiatives both locally and globally through academic research and policy development.

Furthermore, I am an advocate for capacity building in all levels of academia including undergraduates, postgraduates, internationally trained health professionals, and young researchers. I hope to create effective and low-cost approaches to tackle health inequalities across social strata. Strengthening health systems will enable easy access to health promotion tools and improve the health of mothers and babies. Future multi-site implementation research based on evidence from applications of the MCH Handbook will foster strategies to improve productivity, the economy, international development, and ultimately improve worldwide health of mothers and children.

G. Research Grants, Contracts and Clinical Trials

a) As principal investigator (PI) for funded peer-reviewed open-competing grants

2018 – 2021	Principal Investigator. ITMD Bridge Training Pilot Program at Ryerson University. Government of Ontario and Ryerson University: \$1.26 million
2016 – 2019	Principal Investigator. ITMDs CE Program. Ryerson University Startup Funding: \$450,000.
2017 – 2018	Principal Investigator. ITMDs Road map development at Ryerson. Govt. of Ontario: \$125,000.

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- 2007 – 2009 Principal Investigator. Post-doctoral Fellowship Grant and Operation Field Research Grant. Japan Society of Promotion of Sciences (JSPS) at MCHTI Dhaka Bangladesh: \$150,000.
- 2001 – 2005 Principal Investigator. Doctoral Program Study Grant at Osaka University. Japanese Government Ministry of Education, Sciences and Technology: \$100,000.
- 2000 – 2001 Principal Investigator. Human Resources Development in Reproductive Health (HRDRH) project in Bangladesh. Japanese Technical Cooperation: \$1.10 million.
- 1999 – 2000 Principal Investigator. UNFPA Master’s Program Fellowship Award. Mahidol University, Thailand: \$25,000.
- 1998 – 2000 Principal Investigator. Front line staff-primary care physician and family welfare visitor (FWV) training and field research operating grant. Maternal And Child Health Training Institute (MCHTI), Directorate General of Family Planning (DGFP)m sponsored by Japanese International Cooperation Agency (JICA), UNFPA, and UNICEF Bangladesh: 1,126 million Yen.
- 1998 – 2001 Project Coordinator. Improvement of MCHTI project: Japanese grant aid project in Bangladesh: \$3.5 million.

b) As co-investigator (PI) for funded peer-reviewed grants

- 2016 – 2020 Co-Investigator. Canadian Institute of Health Research (CIHR) Centers for HIV/AIDS Research: \$3.02 million.
- 2010 – 2012 Fund Management Role. CIHR Fund Management, Hospital and community-based study, NeuroAIDS Project, St. Michael’s Hospital, Toronto.
- 2009 – 2012 Fund Management Role. CIHR Community Based Research (CBR) grant management: \$1.2 million, PSHP, Food Security and ECHO project supported by CIHR. Over \$3 million project at OHTN, Toronto
- 2000 – 2001 Co-Investigator. Partnership agreement and grant management consultant for Urban Primary Health Care Project at Dhaka City Corporation supported by Asian Development Bank (ADB) and UNFPA/EC in Bangladesh

H. Publications

a) Most significant publications

Bhuiyan, S. Development of Maternal and Child Health (MCH) handbook digital application to promote MCH services: No one left behind to address SDGs. The University of Toronto Medical Journal 2020; 97(2). Principal Author.

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Shafi Bhuiyan, Saida Azam, Mahima Mehrotra, Nao Yoshida, Anuradha Dhawan, Yasmine Shalaby, Eman Radwan, Mithila Orin, Walaa Al-Chetachi, Agafya Krivova, Tasmia Tazrin, Hana'a Badran, Nida Fathima (August 2023). A global perspective of the role of maternal and child health handbook in health promotion: Narrative synthesis. *International Health Trends and Perspectives*, vol 3(2), 170-187, 2023. DOI: <https://doi.org/10.32920/ihtp.v3i2.1640>

Shafi Bhuiyan. [Technical Brief]: Piloting MCH Handbook for increasing women's knowledge on maternal and child health in Bangladesh. JICA Technical Brief, JICA. 2017 September. Principal Author

Shafi Bhuiyan. [A Handbook]: The Global Impact of the Maternal and Child Health. UN Special Magazine, WHO. 2015 May; Volume 749:14-15. Principal Author.

Shafi Bhuiyan. Impact of Maternal and Child Health (MCH) Handbook in the Healthcare System. *Thai Journal of Public Health [Editorial]* Vol. 51 No. 2 (Aug 2021)

Shafi Bhuiyan et al. Maternal and child health handbook: Utilization and lessons learned from selected evidence-based studies. *J Pub Health Dev*. 2017: 15(2): 87-100

b) Selected academic papers published in peer reviewed journals

1. Bhuiyan S, Levy B, Baiyat S, Raja M, Meriel K. (2023). Maternal and Child Health Handbook (MCHHB) International Conference 2022 at University of Toronto, Canada: MCHHB World Report Overview. *International Journal of Epidemiology and Public Health Research*, 3(1). DOI: <http://doi.org/02.2023/1.1039>
2. Wignarajah, S., Bhuiyan, S. U. and Gugathanan, A. (2022). The Maternal and Child Health (MCH) Handbook and its Influence on Health Behaviors: A Literature Review. *European Journal of Environment and Public Health*, 6(1), em0092. <https://doi.org/10.21601/ejeph/11357> Co-author
3. Walaa Al-Chetachi, Agafya Krivova, Hana'a Badran, Saida Azam, Eman Radwan, Yasmine Shalaby, Mithila Orin, Edith Quintanilla and Shafi Bhuiyan. Women's empowerment under the lens of global health equity: Literature review of challenges, best practices, and societal impact. *Journal of International Health Trends and Perspective [IHTP]*, 2(1), 88-117, 2022 Co-author
4. Choi B, Pakes B, Bilotta R, Graham K, Gupta N, King AS, Dimaras H, Wei X, Gibson B, Reynolds DL, Morris SK, Selby P, Harvey BJ, Fox AL, Rachlis B, Bhuiyan S, Nnorom O, Upshur R. Defining Clinical Public Health. *Clin Invest Med*. 2021 Jun 14;44(2):E71-76. doi: 10.25011/cim.v44i2.36479.PMID: 34152710
5. Shafi U Bhuiyan., et al. The Role of Digital Health Applications in Improving Maternal Health: A Study of Various Applications in High-Income Countries and Low and Middle-Income Countries (LMIC) - A Systematic Review. *EC Emergency Medicine and Critical Care* 5.12 (2021). Senior Author
6. Shafi Bhuiyan. Impact of Maternal and Child Health (MCH) Handbook in the Healthcare System. *Thai Journal of Public Health [Editorial]* Vol. 51 No. 2 (Aug 2021)
7. Shafi U Bhuiyan., et al. Prevalence of Maternal Depression and Anxiety during COVID-19 Pandemic. *EC Emergency Medicine and Critical Care* 5.11 (2021): 22-32
8. Shafi U Bhuiyan., et al. A Review of Progress and Challenges of Antenatal Psychosocial Assessment for Decreasing Perinatal Mental Health Morbidity. *EC Emergency Medicine and Critical Care* 5.11 (2021): 07-16.

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9. Shafi U Bhuiyan., et al. Assessment of Community-Based Approaches to Providing Ongoing Maternal and Child Health Care in Low Resource Countries during the COVID-19 Pandemic: A Scoping Review. *EC Emergency Medicine and Critical Care* 5.11 (2021): 07-11.
10. Shafi Bhuiyan, Housne Begum, Khalid Niaz, Eiman Ali, Ishraq Tashkandi, Elahe Ranjbar, Mariano Rubharajan and Hana'a Badran. A Narrative Review of Selected Literature on the Management of Thromboembolism in Patients with COVID-19. *EC Emergency Medicine and Critical Care* 5.3 (2021): 17-26
11. Shafi Bhuiyan, Lily Yang, Urvi Rai, Yasmine Shalaby, Connor Kucharic, and Muhammed Awlad Hussain. Investigating the Face Mask Policies among the High Income - G7 Member Countries. *EC Emergency Medicine and Critical Care* 5.6 (2021).
12. Shafi Bhuiyan, Alexander Olayinka Dare, Monsura Haque, Mustapha Abdulhameed, Najam Ul Saher Faisal, Nibras Sufeian Aldoori, Mohammad Hahsim Zamani and Housne Begum. "Vaccine Hesitancy and Barriers to Vaccine Utilization in the Current COVID 19 Pandemic – Canadian Experience: A Narrative Review". *EC Emergency Medicine and Critical Care* 5.5 (2021): 61-68.
13. Bhuiyan SU, Badran HM, Bhuiyan NT, Kandil SM (2020) The Impact of COVID-19 Pandemic on Diabetic Children: A Systematic Review on the Current Evidence. *Int jou commu med Health Edu: IJCMHE-105*, DOI: 10.46715/ijcmhe2020.12.1000105
14. AKM Alamgir, S. Usmani, Shafi Bhuiyan and Axelle Janczur. Structuring a Communication Framework to Address the Challenges of Vulnerable Communities for Building Trust and Ensuring Access to Emergency Health Messages for Compliance during COVID-19. *EC Emergency Medicine and Critical Care* 5.2 (2021): 07-16.
15. Shafi Bhuiyan. Evaluating the acceptability and capacity building of health human resource potential of the Internationally Trained Medical Doctors (ITMD) Bridging Program at Ryerson University, Canada. [In peer review- revised & submitted, April] 2021]
16. Bhuiyan SU, Begum H, Azam SF, OrinM, Olang O, et al. (2020) Association between Morality in Covid-19 Patients and Underlying Co Morbidities in Patients above 40 Years of Age: A Rapid Review. *Int jou commu med Health Edu: IJCMHE-106*, DOI: 10.46715/ijcmhe2020.12.1000106
17. AKM Alamgir, Axelle Janczu, Shafi Bhuiyan, Ted Richmond, and Amal Rezk. Labour Market Barriers and Solutions for Internationally Educated Researchers (IERS) in Canada: Social and Health Implications. *EC Emergency Medicine and Critical Care* 4.9 [2020] : 129-144 [Senior Author]
18. Shafi Bhuiyan, et al., A contemporary systematic review of systematic reviews on the safety and efficacy of the pharmacological treatments of COVID-19. *EC Emergency Medicine and Critical Care* (Accepted, On press), Oct. 24, 2020 [Senior Author]
19. Shafi Bhuiyan, et al., A Systematic Scoping Review of Cancer Patients' Treatment during the COVID-19 Pandemic. *EC Emergency Medicine and Critical Care*. *EC Emergency Medicine and Critical Care* 5.3 (2021): 17-26 [Senior Author]
20. Bhuiyan, S., Begum, H., Panchoo, K., Khalid, N., Vijayanathan, A., & Effiom, V. Sleep Duration Related to its Effect on Blood Pressure, Blood Glucose and BMI- A Systematic Review and Meta-Analysis. *Journal of Community Medicine & Public Health*. 2020; 4(01), 174. doi.org/10.29011/2577-2228.100074. Principal Author.

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21. Haque R, Bhuiyan SU, Rudra R. A Review of Maternal and Child Health Status in Canada and Japan – Reinigorating Maternal and Child Health Handbook. *J Community Prev Med* 2019; 2(1):1-9.
22. Shafi Bhuiyan, et al., A Systematic Scoping Review of Cancer Patients’ Treatment during the COVID-19 Pandemic. *EC Emergency Medicine and Critical Care* 4.12 (2020): 34-44
23. Ahmed S, Majumder S, Monia ZN, Bhuiyan SU. Assessment of Postnatal Mothers' Knowledge of Newborn Care Practices: A Cross-sectional Study. *J Community Prev Med* 2019; 2(1):1-6. Senior Author.
24. Ahmed, S., Khan, N., Pulok, M., Majumder, and M., Bhuiyan, S. “Effects of Maltreatment during Childhood in Developing Mental Illness in Canadian Population.” The 3rd Mental Health for All (MH4A) Conference, October 22-23, 2018, Canada. Senior Author.
25. Bhuiyan, S., Begum, H., Tofighi, H., Pathan, S., Hassan, M., and Abdelmalek, M. “Sort, Assess, Life-Saving Interventions, Treat and Transport (SALT) Methodology and its Effect on Patient Outcome During Mass Casualty Incidents: A Systematic Review.” *Global Scientific Research Journal of Public Health*.2018; Vol 1 (1):1-9. Senior Author.
26. Bhuiyan SU, Begum HA, Thiyagaratnam D, Al-Araji A, Saad W, Dehal N, Micheal M, Naeem F, Anwar M and Choudhury R. Community clinics and primary healthcare facilities utilization by reproductive age women in rural Bangladesh: a systematic review of lessons learned from evidence-based studies. *J Pub Health Dev.* 2018; 16 (3): 81-94. Senior Author.
27. Bhuiyan S, Begum H, Deena, Ehsan S, Jamal Shah S, et al. Maternal and Child Health (MCH) Handbook and Its Effect on Maternal and Child Health Care: A Systematic Review and Meta-Analysis. *J Community Med Public Health: CMPH-109.* 2017; Vol. 2017, Issue 02. Senior Author.
28. Bhuiyan Shafi, Nakamura Y. GO-NGO Partnership Challenges and Opportunities in the New Millennium: A case Study of Reproductive Health Initiative in Bangladesh. *The Bulletin of Human Sciences.* 2004; Volume 30: 209-220. Principal Author.
29. Bhuiyan Shafi, Qureshi N. Health Information, education and communication needs: a case study of a health education workshop in a public maternity hospital in Bangladesh. *Journal of Asian Women’s Studies.* 2004; Volume 13: 57-63. Principal Author.
30. Bhuiyan Shafi. An Experience of Low Birth Weight Study: A Major Public Health Challenge in Bangladesh. ‘Syn’ *The Bulletin of Volunteer Studies.* 2003; Volume 4:59-72. Principal Author.
31. Bhuiyan Shafi, Qureshi N. Skilled Birth Attendance and MCH Handbook: Unmet Challenges for Safe Delivery in Bangladesh. ‘Syn’ *The Bulletin of Volunteer Studies.* 2002; Volume 3: 33-45. Principal Author.
32. Bhuiyan Shafi. Public-Private Partnership Experiences in Bangladesh. *The Journal of Japan Association for International Health.* 2002; Volume 17 (Supplement): 89-89. Principal Author.

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33. Hasan A., Chompikul J., Bhuiyan S.U. Patient Satisfaction with Maternal and Child Health Services among Mothers Attending the Maternal and Child Health Training Institute in Dhaka, Bangladesh. *Journal of Public Health and Development*. 2007; Volume 5 (3):23-33. Co-Author.
34. Herfs, P., & Bhuiyan, S. International medical graduates (IMGs) in Canada and the Netherlands: Can the Dutch learn from Canadian experiences? A survey among academic stakeholders in Canada. *Health Education and Care*. 2020; 4, 1–4. <https://doi.org/10.15761/HEC.1000170>. Co-Author.
35. Kazi W, & Bhuiyan S. “A Systematic Review of the Literature on the Unsafe Injection Practices in the Health-Care Settings and the Associated Blood Borne Disease Trend: Experiences from Selected South Asian Countries.” *J Community Prev Med*. 2018; 1(2):1-17.
36. Labay E.M., Bhuiyan S.U., & Hongkrait N. Risk Factors Relating to the Diarrheal Disease Occurrence among under 5 Children at Samut Sakhon Province, Thailand. *Journal of Public Health and Development*. 2007; Volume 5 (3): 63-74. Co-Author.
37. Md.Yunus, Jutatip S., Shafi U. Bhuiyan. Acceptance of Family Planning Methods among the Married Women of Reproductive Age at Methapukur Upazila, Bangladesh. *Journal of Public Health and Development*. 2007; Volume 5 (1):53-62. Co-Author.
38. Monette, L. & Rourke, S.B., Bhuiyan, and the Positive Spaces, Healthy Places Team. Inequalities in determinants of health among Aboriginal and Caucasian persons living with HIV/AIDS in Ontario: Results from the Positive Spaces, Healthy Places Study. *Canadian Journal of Public Health*. 2011; Volume 102(3): 215-219. Co-Author.
39. Nguyen H. Thuong, Shafi U. Bhuiyan, Sutham N. Determinants Related to the Utilization of Voluntary Counselling and HIV Testing Service in Vietnam. *Journal of Public Health and Development*. 2007; Vol. 5 (1): 63-75. Co-Author.
40. Pandara V.E. Isaranurug S., Bhuiyan S.U. Utilization of MCH Handbook & Exclusive Breastfeeding Among Mothers of Children 6 to 12 months old in Manado, Indonesia. *Journal of Public Health & Development*; 2006; Volume 4 (3): 65-74. Co-Author.
41. Sean B. Rourke, Tsegaye Bekele, Ruthann Tucker, Saara Greene, Michael Sobota, Jay Koornstra, LaVerne Monette, Jean Bacon, Shafi Bhuiyan, Sergio Rueda, James Watson, Stephen W. Hwang, James Dunn, Keith Hambly. Housing Characteristics and their Influence on Health-Related Quality of Life in Persons Living with HIV in Ontario, Canada: Results from the Positive Spaces, Healthy Places Study. *AIDS and Behavior*. Nov. 2012; Volume 16(8):2361-2373. Co-Author.
42. Shafi Bhuiyan et al. Maternal and child health handbook: Utilization and lessons learned from selected evidence-based studies. *J Pub Health Dev*. 2017: 15(2): 87-100
43. Shafi Bhuiyan, Farah Tahsin. Maternal and Child Health in Bangladesh: Transitioning from MDGs to SDGs. *International Journal of Current Research*. 2017 May; Volume 9 (05):49982-49993. Principal Author.
44. Shafi Bhuiyan. MNCH Handbook in the World: Lessons Learned from Selected Evidence-Based Studies. (Nov 2016, Tokyo MCH Handbook 10th Conference Presentation - Abstract). Principal Author.

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45. Shafi U. Bhuiyan, Nakamura Y., Nahid A. Qureshi. Study on the Development and Assessment of Maternal and Child Health (MCH) Handbook in Bangladesh. *Journal of Public Health and Development*; 2006; Volume 4 (2): 45-60. Principal Author.
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48. Shafi U. Bhuiyan. New Immigrant Health Professional's Individual, Societal and Economic Impact of Ryerson University's Internationally Trained Medical Doctors (ITMDs) Bridging Program: Results from a Pilot Bridge Training Program at the Chang School of Continuing Education. *Journal of Professional, Continuing, and Online Education (JPCOE)*, 2018. Vol 3.1: 1-10.
49. Sharmin, M., Zannatul, N. M., Shamim, A., Shafi, U.B. "Knowledge attitude practice of essential newborn care among postnatal mothers." *Journal of Health Research*. 2018; 6 (1): 1-12.
50. Siswanto E., Bhuiyan S.U., Chompikul J. Knowledge and Perception of Pneumonia Disease among Mothers of Children under Five Years attending Nakhon Pathom General Hospital, Thailand. *Journal of Public Health and Development*. 2007; Volume 5 (2): 43-54. Co-Author.
51. Tucker, R. and Rourke, S.B., Greene, S., Bekele, T. Bhuiyan, S., and the Positive Spaces Healthy Places Team. Housing and Health Related Quality of Life among Persons Living with HIV/AIDS: Design and Implementation of the Positive Spaces, Healthy Places Study. *AIDS and Behavior*. Sep 2012. (16):2361–2373 DOI 10.1007/s10461-012-0284-0. Co-Author.
52. Wahida Kazi and Shafi Bhuiyan. "A Systematic Review on Interventions to Decrease the Rate of Needlestick Injury Associated Blood-Borne Diseases among the Healthcare Workers in the Low Resource Developing Countries". *EC Emergency Medicine and Critical Care* (2018); 2.4: 97-109.

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Special Report

Bhuiyan, S., Linton, V., Stanizai, E., “Creating a roadmap for internationally trained medical doctors (ITMDs) to transition into non-licensed health sector employment: An evidence-based study identifying alternative career pathways. ITMDs Roadmap Study Summary Report, Ministry of Citizenship and Immigration, Govt. of Ontario 2018 March. Principal Author https://ce-online.ryerson.ca/ce/content/program_area/itmds/roadmap_for_itmds_study_summary_report.pdf

d) Intellectual Property, Patents & Copyrights

2002 MCH Handbook, Founder Developer and Editor, MCH handbook to promote health in rural Bangladesh through empowerment of women and their families, Bangladesh, Supported by Govt. of Japan and Osaka University, Japan

e) Conference presentations: keynote speeches, invited speech, and abstracts

2018 Speaker on The Miracle of First 1000 Days for Sustainable Development Goals (SDG)- MCH Handbook as a Family-based Tool. The 11th International Conference on MCH handbook, Bangkok, Thailand, 2018

2017 Distinguished Speaker. Panel Discussion: Responding to Applicants’ Needs for Transitional Programming. Touchstone Institute, Toronto, March 2017. Shafi Bhuiyan.

2016 Presentation and Abstraction for Building the Capacity of Ontario’s health care sector through the integration of internationally trained medical doctors (ITMDs): A preliminary result from a pilot bridging program at Ryerson University. Ted Rogers School of Management (TRSM), Ryerson University- (June 2016 Presentation).

2016 Presenter on Experience of MCH Handbook in Southeast Asian Countries. Paper presented on the 10th International Conference on MCH handbook, Tokyo, Japan.

2015 Speaker on A tool to continue progress for MDG 4 and 5 Beyond 2015. The 9th International Conference on Maternal and Child Health Handbook, Yaoundé, Cameroon.

2014 – 2015 Speaker on Internationally trained medical doctors (ITMDs) capacity building and economic impact: a preliminary result from a global health professional training (pilot bridging) program at Ryerson University. Canadian Global Health Conference, Montreal 2015. Shafi Bhuiyan.

2013 Presentation and Abstract. Shafi Bhuiyan, Nakamura Yasuhide, Usha George, Marie Bountrogianni, (October 2013). MCH handbook international collaboration: ensuring human security, women empowerment and continuity of MNCH care-experience from Japan (poster presentation). 20th Canadian Conference on International Health, Ottawa, Canada.

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- 2011 Sok, P., Rourke, S.B., Seeman, M.V., Rueda, S., Bhuiyan, S., and the Positive Spaces, Healthy Places Team (November 2011). Gender Difference: Analyses of Risk Burdens Across Age in People Living with HIV/AIDS (Poster Presentation). The OHTN 13th Annual Research Conference, Toronto, Ontario. Co-Author.
- 2010 Presentation and Abstract. Mayoh, M., Rourke, S.B., Tucker, R., Hogg, R., Kennedy, R., Chittock, B., Jones, J.E., Jose, M., Monteith, K., Klein, M., Anema, A., Fielden, S., Miewald, C., Bhuiyan, S., Rueda, S., Palmer, A. (November, 2010). Working Towards Harmonization Across Health Research Studies: “The Ontario HIV Health Study (Poster presentation). The OHTN 12th Annual Research Conference, Toronto, Ontario. Co-Author.
- 2010 Shafi Bhuiyan. Empowerment of Women in Islamic Society: Through Maternal and Child Health (MCH) Handbook in Bangladesh. Paper presented on the 7th International Conference on MCH handbook, Dhaka, Bangladesh.
- 2008 Presenter. Shafi Bhuiyan. Improvement of maternal, neonatal and child health care services through MCH handbook in Bangladesh. Paper presented on the 6th International Conference on MCH handbook, Tokyo 2008. Bhuiyan Shafi., Nakamura Y.

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I. Teaching, Program Design and Research Student Supervision

a) Innovations and Development in Teaching and Education

- 2017 – 2020 *Creating ITMDs Road-map for alternative healthcare employment*
Ryerson University [Funded by Govt. of Ontario: \$125,000; Pilot project from 2018- 2021 Ryerson and Govt of Ontario joint funding \$1.26 million dollar]
- 2018 – Present *MCH Online –Digital Handbook and Media App University of Toronto*
Development of Media digital app to address marginalized population such as aboriginal/indigenous communities in Canada (Under Development)
- 2014 – 2022 *Internationally Trained Medical Doctors Bridging Program (ITMD) Ryerson University*
Development of ITMD bridging program to help support ITMDs for non-licensed job preparation in Ontario through a cost sharing approach and manage 80 ITMDs financial support (estimated \$ 100,000/year)
- 2009 – 2018 *Scaling up MCH handbook project through the largest non-governmental organization of the world BRAC, Bangladesh*
Technical support to scaling up MCH handbook project through BRAC to cover over 1 million pregnant women and their families in rural Bangladesh (from 2009 to 2018) to ensure safe delivery and stringing of health system (practice into policy)
- 2004 – 2010 *Creating an international platform for MNCH care Osaka University, Japan*
Create an international platform and leading MNCH handbook initiative in many countries since 2009 at Osaka University Japan and organize international conferences in Japan, Thailand, Vietnam, Indonesia and Bangladesh from 2004 to 2010 to share professional experience; Editor-in-chief: MCH Handbook world report 2010.
- 2007 – 2009 *Scale up of Maternal and Child Health handbook system Bangladesh Postdoctoral award to scale up MCH handbook initiative through health system strengthening in rural Bangladesh (\$ 250,000 from 2007-2009)*
- 2001 – 2004 *Maternal and Child Health Handbook System Bangladesh*
Development of MCH handbook system in Bangladesh to promote MNCH and empowerment of women with Japanese Government sponsorship: \$125,000 (from 2001-2004)
- 1998 – 2000 *Maternal and Child Health Training Institute (MCHTI) Bangladesh Development of Maternal and child health training institute (MCHTI) Bangladesh: Founding coordinator and liaison between Government of Japan and Government of Bangladesh: \$3.5 million -project development, implementation and management from 1998 to 2001*

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b) Research Student Supervisions

Primary or co-supervision, University of Toronto

2017 – 2023	Shamim Ahmed, Social and Behavioral Health Sciences, Dalla Lana School of Public Health –Co-supervisor/Thesis Committee
2012 – 2019	46 MPH and MScCH graduate students
2015 – 2016	Sarah C. Sutherland, Public Health Sciences, Dalla Lana School of Public Health – PhD Committee
2014 – 2018	Practicum/Faculty Supervisor, 30 graduate students, Dalla Lana School of Public Health
2010 – 2012	Practicum/Faculty Supervisor, 10 graduate students, Ontario HIV Treatment Network

Primary or co-supervision, Ryerson University

2012 – 2018	24 undergraduate students
2014 – 2022	375 Internationally Trained Medical Doctors (ITMD) Program Students (from 46 countries), Ryerson University/ TMU
2016 – 2019	3 post-doctoral students – co-supervised

Primary or co-supervision, McMaster University Primary or co-supervision, International Universities

2001 – 2009	48 undergraduate students, Osaka University, Japan and Mahidol University, Thailand
2005 – 2007	30 Graduate students (MPHM) at AIHD, Mahidol University, Thailand
2018- 2019	2 post-doctoral students – Co-supervised

J. Community Health Care Services – Humanitarian Assistance through Diversity

Winner of Melvin Jones Humanitarian Services- Lions Fellowship and Helen Keller Award for services to others [2019-2020]; 2018-2020: Regional Chair, Lions Clubs International District A-711, Ontario, Canada and Charter/Founding President, Toronto Global Doctors Lions Club, ON.

2021-2022 served as lions international marketing think tank on behalf of 1,800+ Lions from 85 Lions Clubs to support humanitarian assistance (i.e. childhood cancer, hunger, vision, environmental protection, diabetes prevention & awareness) campaign locally and globally. Youth Exchange and U of T Campus Lions Chair to help support next generation leadership development for community services.

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K. Selected Professional Affiliations

Founding Board Member: 2001- Present

International Committee on MCH handbook,
Osaka University, Japan

Member: 2004-Present

International Society of Urban Health, USA

Lifetime Member: 1994- Present

Bangladesh Medical Association (BMA-Life Member) A22818, Bangladesh

Board of Directors, Board Chair & Institutional Liaison: 2014 – 2022

The Canadian Coalition for Global Health Research (CCGHR)

Founding Board of Directors, CAGH: 2022- 2023

The Canadian Association for Global Health (CAGH)

Member: 2012- 2023

Canadian Public Health Association (CPHA), Canada

Member: 2012- 2022

Canadian Society for International Health, Canada (CSIH)

Liaison Partner: 2013 – 2023

Canadian Partnership for Women and Children's Health (CanWaCH)