

**CURRICULUM VITAE**  
**DIPAK KUMAR MITRA, PHD, MPH, MBBS**

**PERSONAL DATA****Business address**

Department of Public Health  
 School of Health and Life Sciences  
 North South University, Bangladesh  
 Plot # 15, Block # B, Bashundhara R/A,  
 Dhaka-1229, Bangladesh  
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48 & 48/1, Siddeswari Lane  
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**SUMMARY STATEMENT**

I have twenty five years of experience in public health and development fields including research, teaching and program. My career goal is to train and mentor Bangladeshi public health students and professionals to equip them addressing growing public health challenges in Bangladesh and globally.

**PERSONAL**

Name : **MITRA, DIPAK KUMAR**

Father's Name : Mr. Dhirendra Nath Mitra

Permanent address : Village : Tafalbari  
 Upazilla : Sharonkhola  
 District : Bagerhat

Date of birth : March 31, 1963

Sex : Male

Marital status : Married

Nationality : Bangladeshi

**EDUCATION AND TRAINING**

<b><u>Degree/Year</u></b>	<b><u>Institution</u></b>	<b><u>Field</u></b>
PhD/2012	Johns Hopkins Bloomberg School of Public Health, Department of International Health, Global Disease Epidemiology and Control, Baltimore, MD, USA	Epidemiology/ Biostatistics
MPH/2005	Harvard School of Public Health, Boston, MA, USA	Epidemiology/ Biostatistics
MBBS/1987	Sher-E-Bangla Medical College, Dhaka University, Dhaka, Bangladesh	Medicine, Surgery, OB/GYN

**Professional Experience:**

<b>Position</b>	<b>Dates</b>	<b>Institution</b>
Professor & Chairman	2018-Present	Department of Public Health School of Health and Life Sciences, North South University, Bangladesh, Plot 15 Block B, Aftabuddin Ahmed Road Bashundhara R/A, Dhaka, Bangladesh
Associate Professor	2017-2018	Department of Public Health School of Health and Life Sciences, North South University, Bangladesh, Plot 15 Block B, Aftabuddin Ahmed Road Bashundhara R/A, Dhaka, Bangladesh
Associate Professor and Head	2016-2017	School of Public Health, Independent University, Bangladesh, Plot 16 Block B, Aftabuddin Ahmed Road Bashundhara R/A, Dhaka, Bangladesh
Assistant Scientist (Equivalent to non-tenure Assistant Professor)	2012-2015	Health Systems Program, Department of International Health, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, USA
Assistant Scientist	2007-2012	Centre for Reproductive Health, icddr,b, Mohakhali, Dhaka-1212, Bangladesh
Research Investigator	2004-2006	Centre for Child and Adolescent Health, icddr,b, Mohakhali, Dhaka-1212, Bangladesh
Field Research Manager	2002-2004	RTI/STI Laboratory, icddr,b, Mohakhali, Dhaka-1212, Bangladesh
Field Research Manager	1997-2004	Operations Research Project, icddr,b, Mohakhali, Dhaka-1212, Bangladesh
Medical Officer	1994-1997	MCH-FP Extension project, icddr,b, Mohakhali, Dhaka-1212, Bangladesh

**HONORS AND AWARDS**

2004-2005	Harvard Presidential Scholarship to pursue MPH at HSPH
2004-2005	Fogarty Training Grant to pursue MPH at HSPH
2008-2012	Fogarty Training Grant to pursue PhD at JHSPH

**TRAINING RECEIVED**

1. Attended a ten days regional training on **Operations Research in Reproductive Health** jointly organized by the Institute of Health Economics, Dhaka University and Population Council, Bangladesh.

2. Attended an eight weeks training course on **"Reproductive Health: Perspectives and Issues"** and **"Behavioral and Social Dimensions of AIDS"** of the Master's Degree Program in Population and Reproductive Health Research at the **Institute of Population and Social Research, Mahidol University, Salya, Thailand**. These are two courses out of total six courses of a one-year masters degree program at IPSR, Mahidol University, Bangkok, Thailand.
3. Attended 6 weeks courses equivalent to 6 units out of a total 36 units required for the Masters in Public Health (MPH) Degree at the distance learning center of **ADVENTIST INTERNATIONAL INSTITUTE OF ADVANCED STUDIES (AIAS)**, Philippines in Dhaka. The courses were comprised of **"Epidemiology & Disease Control"**, **"Principles of Environmental Health"** and **"Philosophy of Health"**.
4. Received a four weeks **"Training on Epidemiological Methods in Public Health"** from International Center for Diarrhoeal Diseases Research, Bangladesh (ICDDR,B), Dhaka. This training was on **Epidemiological methods, Biostatistics and development of research protocol**.
5. Received a three days **Training of Trainers (TOT) on AIDS education program** organized by CARE-Bangladesh and coordinated by Regional Training Advisor (PHC).

## PROFESSIONAL EXPERIENCE

<u>Position</u>	<u>Dates</u>	<u>Institution</u>
Professor	2018-Present	Department of Public Health North South University, Bangladesh Plot 15 Block B, Bashundhara R/A, Dhaka-1229, Bangladesh

### Principal responsibilities

- Teaching in Master of Public Health (MPH) program
- Participate in research grants
- Mentor faculties and students of the School

<u>Position</u>	<u>Dates</u>	<u>Institution</u>
Associate Professor	2017-2018	Department of Public Health North South University, Bangladesh Plot 15 Block B, Bashundhara R/A, Dhaka-1229, Bangladesh

### Principal responsibilities

- Teaching in Master of Public Health (MPH) program
- Participate in research grants
- Mentor faculties and students of the School

<u>Position</u>	<u>Dates</u>	<u>Institution</u>
Associate Professor and Head	2016-2017	School of Public Health Independent University, Bangladesh Plot 16 Block B, Aftabuddin Ahmed Road Bashundhara R/A, Dhaka, Bangladesh

**Principal responsibilities**

- Teaching in Master of Public Health (MPH) program
- Participate in research grants
- Mentor faculties and students of the School
- Coordinate and liaise with other schools and external collaborating partners

**Position****Dates****Institution**

Assistant Scientist  
(Equivalent to non-tenure  
Assistant Professor)

2012-2015

Health System Program, Department of  
International Health, Bloomberg School of  
Public Health, Johns Hopkins University,  
Baltimore, MD, USA

**Principal responsibilities**

- Teaching Masters and PhD students
- Advise Masters students
- Participate in research grants
- Manage and supervise study implementation
- Develop data collection instruments and train data collectors
- Provide training to project staff
- Data analysis and reports writing
- Coordinate and liaise with collaborating partners
- Data analysis and reports writing
- Coordinate and liaise with collaborating partners

**Position****Dates****Institution**

Assistant Scientist

2007-2012

Centre for Reproductive Health, ICDDR,B,  
Mohakhali, Dhaka-1212, Bangladesh

**Principal responsibilities**

- Participate in research grants
- Manage and supervise study implementation
- Develop data collection instruments and train data collectors
- Provide training project staff
- Data analysis and reports writing
- Coordinate and liaise with collaborating partners

**Position****Dates****Institution**

Research Investigator

2004-2006

Centre for Child and Adolescent Health,  
ICDDR,B, Mohakhali, Dhaka-1212, Bangladesh

Field Research Manager 1994-2004

Operations Research Project, ICDDR,B,  
Mohakhali, Dhaka-1212, Bangladesh

**Principal responsibilities**

- Participate in research grants
- Manage and supervise study implementation
- Develop data collection instruments and train data collectors
- Provide training project staff
- Data analysis and reports writing
- Coordinate and liaise with collaborating partners

<b><u>Position</u></b>	<b><u>Dates</u></b>	<b><u>Institution</u></b>
Project Manager	1990-1994	Training Immunizers in the Community Approach (TICA) Project, CARE-International, Bangladesh, Pragati RPR Center, 20-21, Kawran Bazar, Dhaka-1215, Bangladesh

**Principal responsibilities**

Training Immunizers in the Community Approach (TICA) was a collaborative Project with the Ministry of Health and Family Welfare (MOHFW) of Government of Bangladesh in its mass immunization, population control and other priority PHC services by training health workers in one fifth of the country. The program ensured delivery of essential PHC services at rural outreach centers and developed demand among the community for these services through innovative social mobilization activities. My principal responsibilities were:

- Management, training and supervision of project staff.
- Monitor project activities through regular supervision of project and Government staff
- Assist health and non-health managers to plan, monitor and promote essential PHC (including MCH-FP) service at rural outreach centers.
- Mobilize the rural community by training the community group leaders, school teachers, students and key personnel on message promotion techniques related to PHC interventions
- Strengthen linkage between government organizations, non-government organizations, groups, schools and community.

<b><u>Position</u></b>	<b><u>Dates</u></b>	<b><u>Institution</u></b>
Medical Officer	1990-1994	Medical Officer, Dhaka Community Hospital, 190/1, Baro Moghbazar, Wireless Rail gate Dhaka-1217, Bangladesh

**Principal responsibilities**

- Management of both outdoor and indoor services.
- Designing baseline survey questionnaire and conducting the survey in the rural and urban communities and industries.
- Provide training to the surveyors and supervisors.
- Analysis of data.
- Designing Family Health card and Industrial Health Card.
- Providing training to the Hospital Nurses, Paramedics and community health workers.
- Health needs assessment after natural disaster and leading post disaster health projects.

## PUBLICATIONS

1. Lee, A. C., L. C. Mullany, M. Quaiyum, **D. K. Mitra**, A. Labrique, P. Christian, P. Ahmed, J. Uddin, I. Rafiqullah, S. DasGupta, M. Rahman, E. H. Koumans, S. Ahmed, S. K. Saha, A. H. Baqui and B. Projahnmo Study Group in Bangladesh (2019). "Effect of population-based antenatal screening and treatment of genitourinary tract infections on birth outcomes in Sylhet, Bangladesh (MIST): a cluster-randomised clinical trial." *Lancet Glob Health* **7**(1): e148-e159.
2. Alliance for, Maternal Newborn Health Improvement mortality study, group (2018). "Population-based rates, timing, and causes of maternal deaths, stillbirths, and neonatal deaths in south Asia and sub-Saharan Africa: a multi-country prospective cohort study." *Lancet Glob Health* **6**(12): e1297-e1308.
3. Khanam, F., B. Hossain, S. K. Mistry, **D. K. Mitra**, W. A. Raza, M. Rifat, K. Afsana and M. Rahman (2018). "The association between daily 500 mg calcium supplementation and lower pregnancy-induced hypertension risk in Bangladesh." *BMC Pregnancy Childbirth* **18**(1): 406.
4. Al Kibria GM, Khanam R, **Mitra DK**, Mahmud A, Begum N, Moin SMI, Saha SK, Baqui A; Projahnmo Study Group in Bangladesh (2018). Rates and determinants of neonatal mortality in two rural sub-districts of Sylhet, Bangladesh. *PLoS One*, **13**(11), e0206795. doi:10.1371/journal.pone.0206795
5. Baqui AH, Lee AC, Koffi AK, Khanam R, **Mitra DK**, Dasgupta SK, Uddin J, Ahmed P, Rafiqullah I, Rahman M, Quaiyum A, Koumans EH, Christian P, Saha SK, Mullany LC, Labrique A; MIST Study Team of the Projahnmo Study Group in Bangladesh. (2018). Prevalence of and risk factors for abnormal vaginal flora and its association with adverse pregnancy outcomes in a rural district in north-east Bangladesh. *Acta Obstet Gynecol Scand*. doi:10.1111/aogs.13492
6. Saha, S. K., S. J. Schrag, S. El Arifeen, L. C. Mullany, M. Shahidul Islam, N. Shang, S. A. Qazi, A. K. M. Zaidi, Z. A. Bhutta, A. Bose, P. Panigrahi, S. B. Soofi, N. E. Connor, **Mitra, D. K.**, R. Isaac, J. M. Winchell, M. L. Arvey, M. Islam, Y. Shafiq, I. Nisar, B. Baloch, F. Kabir, M. Ali, M. H. Diaz, R. Satpathy, P. Nanda, B. K. Padhi, S. Parida, A. Hotwani, M. Hasanuzzaman, S. Ahmed, M. Belal Hossain, S. Ariff, I. Ahmed, S. M. Ibne Moin, A. Mahmud, J. L. Waller, I. Rafiqullah, M. A. Quaiyum, N. Begum, V. Balaji, J. Halen, A. S. M. Nawshad Uddin Ahmed, M. W. Weber, D. H. Hamer, P. L. Hibberd, Q. Sadeq-Ur Rahman, V. R. Mogan, T. Hossain, L. McGee, S. Anandan, A. Liu, K. Panigrahi, A. M. Abraham and A. H. Baqui (2018). "Causes and incidence of community-acquired serious infections among young children in south Asia (ANISA): an observational cohort study." *Lancet* **392**(10142): 145-159.
7. Khanam, R., A. C. Lee, **Mitra, D. K.**, M. Ram, S. Das Gupta, A. Quaiyum, A. Choudhury, P. Christian, L. C. Mullany and A. H. Baqui (2018). "Maternal short stature and under-weight status are independent risk factors for preterm birth and small for gestational age in rural Bangladesh." *Eur J Clin Nutr*.
8. Baqui, A. H., E. D. McCollum, S. K. Saha, A. K. Roy, N. H. Chowdhury, M. Harrison, A. A. M. Hanif, N. Simmons, A. Mahmud, N. Begum, S. Ahmed, A. M. Khan, Z. B. Ahmed, M. Islam, Mitra, D. K., A. Quaiyum, M. A. Chavez, F. Pervaiz, C. H. Miele, H. B. Schuh, R. Khanam, W. Checkley, L. H. Moulton and M. Santosham (2018). "Pneumococcal Conjugate Vaccine impact assessment in Bangladesh." *Gates Open Res* **2**: 21.
9. Kibria GMA, Swasey K, Choudhury A, Burrowes V, Stafford KA, Uddin SMI, Mirbolouk M, Sharmeen A, Kc A, **Mitra DK**: The new 2017 ACC/AHA guideline for classification of hypertension: changes in prevalence of hypertension among adults in Bangladesh. *J Hum Hypertens* 2018.

10. **Mitra, D. K.**, Mistry, S. K., Afsana, K., & Rahman, M. (2018a). Demographic, socio-economic and lifestyle determinants of under-and over-nutrition among Bangladeshi adult population: Results from a large cross-sectional study. *Journal of Epidemiology and Global Health*. (In press).
11. **Mitra, D. K.**, Mullany, L. C., Harrison, M., Mannan, I., Shah, R., Begum, N., Moin, M. I., El Arifeen, S., Baqui, A. H., Projahnmo Study Group in, Bangladesh. (2018). Incidence and risk factors of neonatal infections in a rural Bangladeshi population: a community-based prospective study. *J Health Popul Nutr*, 37(1), 6.
12. Yunus, F. M., Khan, S., **Mitra, D. K.**, Mistry, S. K., Afsana, K., & Rahman, M. (2017). Relationship of sleep pattern and snoring with chronic disease: findings from a nationwide population-based survey. *Sleep Health: Journal of the National Sleep Foundation*.
13. Aziz, S., **Mitra, D. K.**, & Rahman, M. O. (2017). Identifying Factors Associated With Low Maternal Health Care Seeking Behavior in Bangladesh: Does Women's Autonomy Matter? *Women's Reproductive Health*, 4(2), 115-125.
14. **AMANHI Maternal Morbidity study group authors.** (2016). Burden of severe maternal morbidity and association with adverse birth outcomes in sub-Saharan Africa and south Asia: protocol for a prospective cohort study. *J Glob Health*, 6, 020601.
15. Baqui, A. H., **Mitra, D. K.**, Begum, N., Hurt, L., Soremekun, S., Edmond, K., Kirkwood, B., Bhandari, N., Taneja, S., Mazumder, S., Nisar, M. I., Jehan, F., Ilyas, M., Ali, M., Ahmed, I., Shabrina, A., Soofi, S. B., Sazawal, S., Dhingra, U., Dutta, A., & et.al. (2016). Neonatal mortality within 24 hours of birth in six low-and lower-middle-income countries. *Bull World Health Organ*; 94:752–758B
16. Lee AC, Mullany LC, Ladhani K, Uddin J, **Mitra DK**, Ahmed P, Christian P, Labrique A, DasGupta SK, Lokken RP, Quaiyum M, Baqui AH; Projahnmo Study Group. (2016). Validity of newborn clinical assessment to determine gestational age in Bangladesh. *Pediatrics*, 138, e20153303.
17. **Mitra, D. K.**, Mahmud, A., Begum, N., Rafiqullah, I., Roy, A., Moin, S. M., Islam, M., Quaiyum, M. A., Ferdous, J., Applegate, J. A., Saha, S. K. & Baqui, A. H. (2016). Implementation of the ANISA Protocol in Sylhet, Bangladesh: Challenges and Solutions. *Pediatr Infect Dis J*, 35, S55-9.
18. Islam, M. S., Baqui, A. H., Zaidi, A. K., Bhutta, Z. A., Panigrahi, P., Bose, A., Soofi, S. B., Kazi, A. M., **Mitra, D. K.** & ISAAC, R. (2016). Infection Surveillance Protocol for a Multicountry Population-based Study in South Asia to Determine the Incidence, Etiology and Risk Factors for Infections Among Young Infants of 0 to 59 Days Old. *The Pediatric Infectious Disease Journal*, 35, S9-S15.
19. Bartlett, L. A., Lefevre, A. E., Mir, F., Soofi, S., Arif, S., **Mitra, D. K.**, Quaiyum, M. A., Shakoor, S., Islam, M. S., Connor, N. E., Winch, P. J., Reller, M. E., Shah, R., El Arifeen, S., Baqui, A. H., Bhutta, Z. A., Zaidi, A., Saha, S., Ahmed, S. A. & Group, A. N.-P. S. S. (2016). The development and evaluation of a community-based clinical diagnosis tool and treatment regimen for postpartum sepsis in Bangladesh and Pakistan. *Reprod Health*, 13, 16.
20. Sarker BK, Rahman M, Rahman T, Hossain J, Reichenbach L, **Mitra DK** (2016). Reasons for Preference of Home Delivery with Traditional Birth Attendants (TBAs) in Rural Bangladesh: A Qualitative Exploration. *PLoS One*; 11(1): e0146161
21. Mahumud, R. A., Sultana, M., Sheikh, N., Ali, M. N., Mitra, D. K., & Sarker, A. R. (2016). Diagnostic Errors in Low and Middle-Income Countries: Future Health and Economic Burden for Patient Safety. *Austin Emerg Med*.
22. Lee AC, Quaiyum MA, Mullany LC, **Mitra DK**, Labrique A, Ahmed P, Uddin J, Rafiqullah I, DasGupta S, Mahmud A, Koumans EH, Christian P, Saha S, Baqui AH. (2015) Screening and treatment of maternal genitourinary tract infections in early pregnancy to prevent

- preterm birth in rural Sylhet, Bangladesh: a cluster randomized trial. *BMC Pregnancy Childbirth*; **15**: 326
23. Ladhani K, Lee A, Quaiyum M, Mullany L, **Mitra DK**, Labrique A, Christian P, Ahmed P, Rafiqullah I, Saha S. (2015) Prevalence and symptoms of abnormal vaginal flora in rural sylhet, Bangladesh. *Annals of Global Health*; **81**(1): 94-5.
  24. Baqui, A. H., S. K. Saha, A. S. Ahmed, M. Shahidullah, I. Quasem, D. E. Roth, A. K. Samsuzzaman, W. Ahmed, S. M. Tabib, **D. K. Mitra**, N. Begum, M. Islam, A. Mahmud, M. H. Rahman, M. I. Moin, L. C. Mullany, S. Cousens, S. El Arifeen, S. Wall, N. Brandes, M. Santosham, R. E. Black and B. Projahnmo Study Group in (2015). "Safety and efficacy of alternative antibiotic regimens compared with 7 day injectable procaine benzylpenicillin and gentamicin for outpatient treatment of neonates and young infants with clinical signs of severe infection when referral is not possible: a randomised, open-label, equivalence trial." *Lancet Glob Health* **3**(5): e279-287.
  25. Seale, A. C., Blencowe, H., Manu, A. A., Nair, H., Bahl, R., Qazi, S. A., et al. (2014). Estimates of possible severe bacterial infection in neonates in sub-Saharan Africa, south Asia, and Latin America for 2012: a systematic review and meta-analysis. *Lancet Infect Dis*, **14**(8), 731-741.
  26. Baqui, A. H., Saha, S. K., Ahmed, A. S., Shahidullah, M., Quasem, I., Roth, D. E., Williams, E. K., **Mitra, DK.**, Shamsuzzaman, A. K., Ahmed, W., Mullany, L. C., Cousens, S., Wall, S., Brandes, N. & Black, R. E. (2013). Safety And Efficacy Of Simplified Antibiotic Regimens For Outpatient Treatment Of Serious Infection In Neonates And Young Infants 0-59 Days Of Age In Bangladesh: Design Of A Randomized Controlled Trial. *Pediatr Infect Dis J*, **32**, S12-8.
  27. Shah, R. , Mullany, L. C., Darmstadt, G. L., Mannan, I., Rahman, S. M., Talukder, R. R., Applegate, J. A., Begum, N., **Mitra, DK.**, Arifeen, S. E., Baqui, A. H., Proj, AHNMo Study Group in Bangladesh (2014) Incidence and risk factors of preterm birth in a rural Bangladeshi cohort. *BMC Pediatr*. **14**:112.
  28. Haque, U., Glass, G. E., Bombliès, A., Hashizume, M., **Mitra, DK.**, Noman, N., Haque, W., Kabir, M., Yamamoto, T. & Overgaard, H. J. (2013). Risk Factors Associated with Clinical Malaria Episodes in Bangladesh: A Longitudinal Study. *Am J Trop Med Hyg*.
  29. Haque U, Soares Magalhães R, **Mitra DK**, Kolivras KN, Schmidt WP, Haque R, Glass GE. (2011) The role of age, ethnicity and environmental factors in modulating malaria risk in Rajasthali, Bangladesh. *Malar J* Dec **15**;10:367
  30. Seale, A. C., Blencowe, H., Zaidi, A., Ganatra, H., Syed, S., Engmann, C., et al. (2013). Neonatal severe bacterial infection impairment estimates in South Asia, sub-Saharan Africa, and Latin America for 2010. *Pediatr Res*, **74 Suppl 1**, 73-85.
  31. Huq M, Chawdhury FA, **Mitra DK**, Islam MA, Salahuddin G, Das J, Rahman M. (2010) A pilot study on the prevalence of sexually transmitted infections among clients of brothel-based female sex workers in Jessore, Bangladesh. *Int J STD AIDS*. **21**(4):300-1.
  32. Sultana, T., Huq, M., Alam, A., **Mitra, D. K.**, & Gomes, D. J. (2008). Prevalence and genotyping of human papillomavirus (HPV) in female with high-risk behaviour in Dhaka, Bangladesh. *Bangladesh Journal of Microbiology*, **25**(1), 65-68.
  33. Alam N, Streatfield PK, Shahidullah M, **Mitra DK**, Vermund SH, Kristensen S. (2011) Effect of single session counselling on partner referral for sexually transmitted infections management in Bangladesh. *Sex Transm Infect* Feb;**87**(1):46-51.
  34. Nessa K, Waris SA, Alam A, Huq M, Nahar S, Chawdhury FA, Monira S, Badal MU, Sultana J, Mahmud KF, Das J, **Mitra DK**, Sultan Z, Hossain N, Rahman M. (2005) Sexually transmitted infections among brothel-based sex workers in Bangladesh: high prevalence of asymptomatic infection. *Sex Transm Dis* Jan;**32**(1):13-9.



## **Book Chapters**

Rahman, M.O., Menken, J., and Mitra, D. K., 2020 Reproductive Health, *Global Health: Diseases, Programs, Systems, and Policies, Fourth Edition, Jones and Bertlett*, pp. 131-194

Moiur Rahman, Rowshan Ara, Jean C. Sack, Henry Gerard Richards & **Dipak Mitra** (eds.) 2003. *National Guidelines for Management of Sexually Transmitted Infections, Bangladesh*, Dhaka: National AIDS/STD Programme (NASP) and icddr,b.

## **Reports**

Shameem Ahmed, Ariful Islam, **Dipak Kumar Mitra**, Parveen A. Khanum, Barkat-e-Khuda. "Use of a Sub-district Hospital for Management of Obstetric Complications in Rural Bangladesh", in Working Paper. 1999, ICDDR,B: Dhaka

## **TEACHING EXPERIENCE**

### **Department of Public Health, North South University, Bangladesh:**

I have been teaching in the North South University (NSU) Department of Public Health in its MPH program as a fulltime faculty since August 2017. I teach Epidemiology, Clinical Epidemiology, Research methods and Biostatistics courses. I also serve as advisor of students in their MPH thesis.

### **School of Public Health, Independent University, Bangladesh:**

I taught in the MPH program of IUB School of Public Health as a full time faculty since January 2016 until July 2017. I also taught in IUB since 2005 as an adjunct faculty.

### **Johns Hopkins Bloomberg School of Public Health, Johns Hopkins University:**

I taught in the Johns Hopkins Bloomberg School of Public Health from 2012 to 2015 in a number of courses in the department of International Health.

I served as MPH capstone supervisor of Yuta Yokobori in 2013. The title of the capstone was "The influence of birth preparedness on the utilization rate of skilled birth attendance at delivery in rural Bangladesh".

I served as the local Supervisor of Thomas Elizabeth, a MSPH student in the Department of International Health of JHSPH and placed in our study site as Global Health Established Placement.

I served as the local Supervisor of Stephen Stake, a DrPH candidate in the Department of International Health of JHSPH and placed in our study site to support ongoing studies.

I served a Teaching Assistant in Johns Hopkins School of Public Health in 2009 for course "Introduction to International Health- Instructor: Dr. Jim Tielsch

### **BRAC JPG School of Public Health:**

I co-teach Epidemiology, Biostatistics and quantitative research methods courses in BRAC JPG School of Public Health as an adjunct faculty since 2010.

**Bangabandhu Sheikh Mujib Medical University (BSMMU):**

I teach Clinical Epidemiology, Applied Epidemiology, Field Epidemiology, Research Methods, demography and Bio-ethics courses in the department of public health and informatics in BSMMU since 2012.

**OTHER ENGAGEMENT**

I am leading a joint research and academic collaboration with the Johns Hopkins Bloomberg School of Public Health, USA. An Memorandum of Understanding (MOU) has been signed and the “NSU-JHSPH joint research Center” (NJRC) has been established to foster research collaborations between JHSPH and NSU.

**RESEARCH GRANTS PARTICIPATION**

1. Title: Pneumococcal Conjugate Vaccine (PCV) study in Bangladesh (2014-2018)

Funded by: Bill & Melinda Gates Foundation

Goal: The goals of the study are to estimate the incidence rate of vaccine-type and non-vaccine-serotype invasive pneumococcal disease (IPD) prior to vaccine introduction in the district; to evaluate the impact of *PCV10* use on vaccine-serotype IPD during the roll out of the vaccine using an incident case-control study; and to measure the immunogenicity of PCV10 as administered under the Bangladesh national vaccine program

Role: **Co-Investigator**

2. Title: Using ongoing newborn intervention trials to obtain additional data critical to maternal, fetal and newborn health in a harmonized way in Sylhet District, Bangladesh: the AMANHI (Alliance for Maternal and Newborn Health Improvement) study (2012-2016)

Funded by: Bill & Melinda Gates Foundation

Goal: The goal of the project is to determine population-based burden, timing, and causes of maternal deaths, stillbirths and neonatal deaths in Bangladesh; identify the burden of severe acute maternal morbidity (SAMM) in the study populations and document the care received for each of the morbidities; and determine the association of maternal morbidity with stillbirth, preterm birth, intrauterine growth restriction and neonatal mortality.

Role: **Co-Investigator**

3. Title: Implementation research (IR) to support Bangladesh Ministry of Health and Family Welfare (MOHFW) to implement its national guidelines of management of infections in young infants in two rural districts of Bangladesh (2015-2016)

Funded by: USAID

Goal: The primary aim of the proposed implementation research study is to support local MOH&FW officials in selected unions of two rural districts to effectively implement the newly developed guidelines for management of infections in young infants (0-59 days old) at the union level health facilities by providing assistance in planning, training, strengthening MIS, monitoring, documenting program learning, and identify and address key operational issues.

Role: **Co-Principal Investigator**

4. Title: Enhanced community case management to increase access to pneumonia treatment (2015-2017)

Funded by: BMGF through WHO

Goal: The overall goal of the project is to rigorously assess the benefits of an enhanced approach to community case management for pneumonia, contributing to the evidence base for revision of WHO/UNICEF integrated community case management (iCCM) tool and its harmonization with the integrated management of childhood illness (IMCI) tool, and using lessons learned during implementation to help accelerate subsequent program scale-up.

Role: **Co-Investigator**

5. Title: Maternal Genitourinary Infections and Adverse Perinatal Infections in Sylhet District, Bangladesh (2010-2016)

Funded by: NIH (R01)

Goal: The primary goal of this study is to determine the impact of community-based screening and treatment of abnormal vaginal flora and urinary tract infections in early pregnancy (13-19 weeks) on preterm live births in Sylhet District, Bangladesh.

Role: **Co-investigator**

6. Title: Aetiology of Neonatal Infection in South Asia (Bangladesh site) 2011-2015

Funded by: Bill & Melinda Gates Foundation

Goal: The goal of this multi-country research study involving Bangladesh, India and Pakistan is to provide data needed to design appropriate antibiotic treatment regimen(s) and prevention strategies for infections, to reduce deaths of young infants from serious infections and thereby help to achieve Millennium Development Goal 4.

Role: **Co-Investigator**

7. Title: Supplement to Aetiology of Neonatal Infection in South Asia: Development of a community-based presumptive clinical diagnosis algorithm and treatment regimen for maternal puerperal sepsis (2012-2015)

Funded by: Bill & Melinda Gates Foundation

Goal: The goal of this study is to create and test a locally-adapted algorithm to be used as a tool for frontline community health workers (CHW) in order to boost their diagnostic accuracy of suspected postpartum sepsis (PP sepsis) among enrolled women in study sites to a level as close as possible as experienced physicians.

Role: **Co-Investigator**

8. Title: Improvement of maternal and neonatal health by operationalizing an integrated evidence-based intervention package through strengthening of the health system in Bangladesh (2008-2014)

Funded by: AusAID

Goal: The goal of this project is to evaluate the impact of scaling up an integrated package of evidence-based interventions on maternal and neonatal health.

Role: **Co-Principal Investigator**

9. Title: Exploring acceptable and appropriate interventions to promote correct and consistent condom use among youth male clients of hotel-based female sex workers in Dhaka, Bangladesh (2007-2008)

Funded by: GFATM through Save the Children USA-Bangladesh

Role: **Principal Investigator**

10. Epidemiology of Human Papillomavirus among females in Bangladesh (2006-2007)

Funded by: Government of Bangladesh through IHP activity # 5

Role: **Principal Investigator**

11. Impact of an HIV/AIDS prevention entertainment education program and the effect of post-viewing interpersonal discussion (2006-2008)

Funded by: GFATM through Save the Children USA-Bangladesh

Role: **Co-Principal Investigator**

Signature:



Date: 29 January 2019