

CURRICULUM VITAE
DIPAK KUMAR MITRA, PHD, MPH, MBBS

PERSONAL DATA**Business address**

School of Health and Life Sciences
North South University, Bangladesh
Plot # 15, Block # B, Bashundhara R/A,
Dhaka-1229, Bangladesh
Telephone +880255668200 (Extn. 1900)
E-mail: dipak.mitra@northsouth.edu

Home address

48 & 48/1, Siddeswari Lane
Dhaka-1217, Bangladesh
Phone: 880-2-8311654
Cell: 8801715025655
E-mail: dmitra.bd@gmail.com

SUMMARY STATEMENT

I have thirty years of experience in public health and development fields including research, teaching and program. F

EDUCATION AND TRAINING

<u>Degree/Year</u>	<u>Institution</u>	<u>Field</u>
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

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

Professional Experience:

Position	Dates	Institution
Dean	2024-Present	School of Health and Life Sciences, North South University, Bangladesh, Plot 15 Block B, Aftabuddin Ahmed Road Bashundhara R/A, Dhaka, Bangladesh
Professor & Chairman	2018-2024	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
Member, Board of Trustees	2016-Present	MATERS Trust (Mental Health Awareness Training Education Research & Services)
Assistant Scientist (Equivalent to 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

PUBLICATIONS

1. Hazel, E. A., Erchick, D. J., Katz, J., Lee, A. C., Diaz, M., Wu, L. S., West Jr, K. P., Shamim, A. A., Christian, P., & Ali, H. (2024). Neonatal mortality risk of vulnerable newborns by fine stratum of gestational age and birthweight for 230 679 live births in nine low-and middle-income countries, 2000–2017. *BJOG: An International Journal of Obstetrics & Gynaecology*.
2. Hossain, M. M., Roy, A., Hanif, A. A. M., Akter, F., Hasan, M., Khan, M. S. A., Shamim, A. A., Hossaine, M., Ullah, M. A., & Rahman, S. M. (2024). Distribution and disparities of healthy lifestyles and noncommunicable diseases risk factors between men and women aged 20-59 years in Bangladesh: Evidence from a nationwide survey. *Chronic Diseases and Translational Medicine*, 10(04), 312-326.
3. Kabir, H., Hasan, M. K., Akter, N., Marma, U. S. C., Alam, T., Tutul, A. H., Biswas, L., Ara, R., & Mitra, D. K. (2024). Factors associated with the intention of telehealth service utilization among Bangladeshi people: a cross-sectional study. *F1000Research*, 11, 996.
4. Kabir, H., Hasan, M. K., Jamil, S., Chowdhury, S. R., & Mitra, D. K. (2024). Knowledge, perceived benefits, perceived concerns, and predisposition to use telehealth services in Bangladesh: a cross-sectional survey. *BMC Digital Health*, 2(1), 61.
5. Nisar, M. I., Kabole, I., Khanam, R., Shahid, S., Bakari, B. A., Chowdhury, N. H., Qazi, M. F., Dutta, A., Rahman, S., & Khalid, J. (2024). Does the implementation of revised American College of Cardiology and American Heart Association (ACC/AHA) guidelines improve the identification of stillbirths and preterm births in hypertensive pregnancies: a population-based cohort study from South Asia and sub-Saharan Africa. *BMC pregnancy and childbirth*, 24(1), 451.
6. Shahid, S., Marijani, M. L., Ahmed, S., Khalid, F., Ali, S. M., Chowdhury, N. H., Mehmood, U., Dutta, A., Rahman, S., & Qazi, M. F. (2024). Early to mid-pregnancy HbA1c levels and its association with adverse pregnancy outcomes in three low middle-income countries in Asia and Sub-Saharan Africa.
7. Sultana Kakoly, N., Hasan, S. K., Hoque, M. M., Ratul, R. H., Khan, M. A. S., Mitra, D. K., & Billah, B. (2024). Sociodemographic factors, clinical characteristics, outcomes and short-term follow-up in COVID-19 patients with new onset hyperglycemia and pre-existing diabetes on admission in a tertiary-care hospital in Bangladesh. *PLoS One*, 19(12), e0311508.
8. Applegate, J. A., Islam, M. S., Khanam, R., Roy, A. D., Chowdhury, N. H., Ahmed, S., Mitra, D. K., Mahmud, A., Islam, M. S., Saha, S. K., & Baqui, A. H. (2024). Young Infant Mortality Associated with Preterm and Small-for-Gestational-Age Births in Rural Bangladesh: A Prospective Cohort Study. *The Journal of pediatrics*, 269, 114001. Advance online publication. <https://doi.org/10.1016/j.jpeds.2024.114001>
9. Noman, M. Z. I., Islam, S., Aktar, S., Parray, A. A., Amando, D. G., Karki, J., Atsna, Z., Mitra, D. K., & Hossain, S. A. S. (2024). Healthcare seeking behavior and delays in case of Drug-Resistant Tuberculosis patients in Bangladesh: Findings from a cross-sectional survey. *PLOS global public health*, 4(1), e0001903. <https://doi.org/10.1371/journal.pgph.0001903>
10. Nisar, M. I., das, S., Khanam, R., Khalid, J., Chetia, S., Hasan, T., Shahid, S., Marijani, M. L., Ahmed, S., Khalid, F., Ali, S. M., Chowdhury, N. H., Mehmood, U., Dutta, A., Rahman, S., Qazi, M. F., Deb, S., Mitra, D. K., Usmani, A. A., Dhingra, U., ... Jehan, F. (2024). Early to mid-pregnancy HbA1c levels and its association with adverse pregnancy outcomes in three low middle-income countries in Asia and Sub-Saharan Africa. *BMC pregnancy and childbirth*, 24(1), 66. <https://doi.org/10.1186/s12884-023-06241-w>
11. Bint Harun, K. U. H., Kawser, M., Nabi, M. H., & Mitra, D. K. (2024). Factors associated with the malnutrition inflammation score (MIS) among hemodialysis patients in Dhaka city: a

cross-sectional study in tertiary care hospitals. *Porto biomedical journal*, 9(1), 243.

<https://doi.org/10.1097/j.pbj.0000000000000243>

12. Kabir, H., Hasan, M. K., Akter, N., Tassdik, D. H., Islam, D. M. F., Jannat, D. H., Tutul, A. H., Akter, O., Ara, R., Islam, M. D., Mahmud, S., Akter, M., & Mitra, D. K. (2023). Antibiotics administration without prescription in Bangladesh. *IJID regions*, 7, 11–17.
13. Lawn, J. E., Ohuma, E. O., Bradley, E., Idueta, L. S., Hazel, E., Okwaraji, Y. B., Erchick, D. J., Yargawa, J., Katz, J., Lee, A. C. C., Diaz, M., Salasibew, M., Requejo, J., Hayashi, C., Moller, A. B., Borghi, E., Black, R. E., Blencowe, H., Lancet Small Vulnerable Newborn Steering Committee, WHO/UNICEF Preterm Birth Estimates Group, ... Subnational Vulnerable Newborn Measurement Group (2023). Small babies, big risks: global estimates of prevalence and mortality for vulnerable newborns to accelerate change and improve counting. *Lancet (London, England)*, 401(10389), 1707–1719.
14. Erchick, D. J., Hazel, E. A., Katz, J., Lee, A. C. C., Diaz, M., Wu, L. S. F., Yoshida, S., Bahl, R., Grandi, C., Labrique, A. B., Rashid, M., Ahmed, S., Roy, A. D., Haque, R., Shaikh, S., Baqui, A. H., Saha, S. K., Khanam, R., Rahman, S., Shapiro, R., ... Subnational Vulnerable Newborn Prevalence Collaborative Group and Vulnerable Newborn Measurement Core Group (2023). Vulnerable newborn types: analysis of subnational, population-based birth cohorts for 541 285 live births in 23 countries, 2000-2021. *BJOG : an international journal of obstetrics and gynaecology*, 10.1111/1471-0528.17510
15. Hazel, E. A., Erchick, D. J., Katz, J., Lee, A. C. C., Diaz, M., Wu, L. S. F., West, K. P., Jr, Shamim, A. A., Christian, P., Ali, H., Baqui, A. H., Saha, S. K., Ahmed, S., Roy, A. D., Silveira, M. F., Buffarini, R., Shapiro, R., Zash, R., Kolsteren, P., Lachat, C., ... Vulnerable Newborn Measurement Core Group (2023). Neonatal mortality risk of vulnerable newborns: A descriptive analysis of subnational, population-based birth cohorts for 238 143 live births in low- and middle-income settings from 2000 to 2017. *BJOG : an international journal of obstetrics and gynaecology*, 10.1111/1471-0528.17518.
16. Noman, M.I., Islam, S., Akhter, S., Parray, A., Amando, D., Karki, J., Atsna, Z., Mitra, D. and Hossain, S., 2023. CARE SEEKING AND DELAYS IN CASE OF DRUG-RESISTANT TUBERCULOSIS PATIENTS IN BANGLADESH. *International Journal of Infectious Diseases*, 130, p.S8.
17. Bhattacharyya, D. S., Sarker, T., Akter, N., Shafique, S., Nabi, M. H., Hawlader, M. D. H., & Mitra, D. K. (2023). Factors associated with fathers' involvement in infant and young child feeding and nurturing care in the urban slums of Bangladesh: A cross-sectional study. *Food Science & Nutrition*.
18. Biswas, T., Azzopardi, P., Anwar, S. N., de Vries, T. D., Encarnacion-Cruz, L. M., Hasan, M. M., Huda, M. M., Pervin, S., Das Gupta, R., Mitra, D. K., Rawal, L. B., & Al Mamun, A. (2022). Assuring Bangladesh's future: non-communicable disease risk factors among the adolescents and the existing policy responses. *Journal of health, population, and nutrition*, 41(1), 22.
19. Kabir, H., Hasan, M. K., Rahman, M., Akter, S., Chowdhury, G. I., Bhuya, M. T. R., & Mitra, D. K. (2022). Perception of mucormycosis infection among Bangladeshi healthcare workers: an exploratory cross-sectional study in the year following the COVID-19 pandemic. *Bulletin of the National Research Centre*, 46(1), 11.
20. Kabir, H., Tonmon, T. T., Hasan, M. K., Biswas, L., Chowdhury, M. A. H., Islam, M. D., Rahman, M., & Mitra, D. K. (2022). Association between preference and e-learning readiness among the Bangladeshi female nursing students in the COVID-19 pandemic: a cross-sectional study. *Bulletin of the National Research Centre*, 46(1), 8.
21. Connor, N. E., Islam, M. S., Mullany, L. C., Shang, N., Bhutta, Z. A., Zaidi, A. K. M., Soofi, S., Nisar, I., Panigrahi, P., Panigrahi, K., Satpathy, R., Bose, A., Isaac, R., Baqui, A. H., Mitra, D. K., Sadeq-Ur Rahman, Q., Hossain, T., Schrag, S. J., Winchell, J. M., Arvay, M. L., ... Saha, S. K. (2022). Risk factors for community-acquired bacterial infection among young

- infants in South Asia: a longitudinal cohort study with nested case-control analysis. *BMJ global health*, 7(11), e009706.
22. Mistry, S. K., Ali, A. R. M. M., Yadav, U. N., Das Gupta, R., Anwar, A., Basu, S., Huda, M. N., & Mitra, D. K. (2022). A tale of osteoarthritis among older adults during the COVID-19 pandemic in Bangladesh: A repeated cross-sectional study. *PloS one*, 17(9), e0274838.
 23. Kabir, H., Hasan, M. K., Akter, N., Marma, U. S. C., Alam, T., Tutul, A. H., ... & Mitra, D. K. (2022). Factors associated with the intention of telehealth service utilization among Bangladeshi people: a cross-sectional study. *F1000Research*, 11(996), 996.
 24. Arvay, M. L., Shang, N., Qazi, S. A., Darmstadt, G. L., Islam, M. S., Roth, D. E., Liu, A., Connor, N. E., Hossain, B., Sadeq-Ur Rahman, Q., El Arifeen, S., Mullany, L. C., Zaidi, A. K. M., Bhutta, Z. A., Soofi, S. B., Shafiq, Y., Baqui, A. H., Mitra, D. K., Panigrahi, P., Panigrahi, K., ... Schrag, S. J. (2022). Infectious aetiologies of neonatal illness in south Asia classified using WHO definitions: a primary analysis of the ANISA study. *The Lancet. Global health*, 10(9), e1289–e1297.
 25. Rana, J., Luna-Gutiérrez, P., Haque, S. E., Ignacio Nazif-Muñoz, J., Mitra, D. K., & Oulhote, Y. (2022). Associations between household air pollution and early child development among children aged 36-59 months in Bangladesh. *Journal of epidemiology and community health*, 76(7), 667–676.
 26. Hossain, M. M., Akter, F., Hanif, A. A. M., Khan, M. S. A., Shamim, A. A., Hasan, M., Urmy, N. J., Hossain, M., Ullah, M. A., Sarker, S. K., Rahman, S. M. M., Mitra, D. K., Bulbul, M. M. I., & Mridha, M. K. (2022). Prevalence of and factors associated with insufficient physical activity among adolescents: evidence from a nationwide survey in Bangladesh. *Journal of biosocial science*, 54(4), 629–642.
 27. Roy, A., Hossain, M. M., Hanif, A. A. M., Khan, M. S. A., Hasan, M., Hossain, M., Shamim, A. A., Ullah, M. A., Sarkar, S. K., Rahman, S. M. M., Bulbul, M. M. I., Mitra, D. K., & Mridha, M. K. (2022). Prevalence of Infant and Young Child Feeding Practices and Differences in Estimates of Minimum Dietary Diversity Using 2008 and 2021 Definitions: Evidence from Bangladesh. *Current developments in nutrition*, 6(4), nzac026.
 28. Ahmed, S., Mitra, D. K., Nair, H., Cunningham, S., Khan, A. M., Islam, A. A., McLane, I. M., Chowdhury, N. H., Begum, N., Shahidullah, M., Islam, M. S., Norrie, J., Campbell, H., Sheikh, A., Baqui, A. H., & McCollum, E. D. (2022). Digital auscultation as a novel childhood pneumonia diagnostic tool for community clinics in Sylhet, Bangladesh: protocol for a cross-sectional study. *BMJ open*, 12(2), e059630.
 29. Mistry, S. K., Ali, A. M., Yadav, U. N., Huda, M. N., Parray, A. A., Mahumud, R. A., & Mitra, D. (2022). COVID-19 vaccination coverage is extremely low among older population in Bangladesh: findings from a cross-sectional study. *Human vaccines & immunotherapeutics*, 18(1), 2030624.
 30. Kabir, H., Hasan, M. K., Tutul, A. H., Islam, M. S., Jamil, S., Das, B. C., Islam, M. F., Jannat, H., Ara, R., Akter, O., Biswas, L., Miah, M. E., & Mitra, D. K. (2022). Prevalence and Determinants of Antibiotic Self-Administration Among Adult Antibiotic Users: A Cross-Sectional Study. *Patient preference and adherence*, 16, 2409–2421.
 31. Samad, N., Das, P., Ahinkorah, B. O., Seidu, A. A., Mohammed, A., Frimpong, J. B., & Mitra, D. K. (2022). Association between place of delivery, assistance during delivery and fistula occurrence in Afghanistan. *International health*, 14(6), 580–587.
 32. Hasan, M. K., Kabir, H., Rahman, M., Roy, A. K., Akter, S., & Mitra, D. K. (2021). Association between insomnia and mucormycosis fear among the Bangladeshi healthcare workers: a cross-sectional study. *Journal of Affective Disorders Reports*, 6, 100262.
 33. Aftab, F., Ahmed, S., Ali, S. M., Ame, S. M., Bahl, R., Baqui, A. H., Chowdhury, N. H., Deb, S., Dhingra, U., Dutta, A., Hasan, T., Hotwani, A., Ilyas, M., Javaid, M., Jehan, F., Juma, M. H., Khalid, F., Khanam, R., Manu, A. A., Mehmood, U., ... AMANHI biobanking study group

- (2022). Cohort Profile: The Alliance for Maternal and Newborn Health Improvement (AMANHI) biobanking study. *International journal of epidemiology*, 50(6), 1780–1781i.
34. Hossain, F., Hawlader, M. D. H., Mitra, D. K., Nabi, M. H., & Rahman, M. (2021). Pattern and prevalence of neuropsychiatric lupus: a retrospective study from a tertiary level hospital in Bangladesh. *The Egyptian Journal of Neurology, Psychiatry and Neurosurgery*, 57(1), 1-6.
 35. Kabir, H., Nasrullah, S. M., Hasan, M. K., Ahmed, S., Hawlader, M. D. H., & Mitra, D. K. (2021). Perceived e-learning stress as an independent predictor of e-learning readiness: Results from a nationwide survey in Bangladesh. *PloS one*, 16(10), e0259281.
 36. Hoque, M. E., Islam, M. S., Das, S. K., Mitra, D. K., & Amin, M. R. (2021). Adjusted dynamics of COVID-19 pandemic due to herd immunity in Bangladesh. *International Journal of Modern Physics C*, 32(10), 2150140.
 37. Alliance for Maternal and Newborn Health Improvement (AMANHI) Gestational Age Study Group, & Alliance for Maternal and Newborn Health Improvement (AMANHI) GA Study Group (2021). Simplified models to assess newborn gestational age in low-middle income countries: findings from a multicountry, prospective cohort study. *BMJ global health*, 6(9), e005688.
 38. Hanif, A. A. M., Hasan, M., Khan, M. S. A., Hossain, M. M., Shamim, A. A., Mitra, D. K., Hossaine, M., Ullah, M. A., Sarker, S. K., Rahman, S. M. M., Bulbul, M. M. I., & Mridha, M. K. (2021). Prevalence and associated factors of insufficient physical activity among elderly people in Bangladesh: a nationally representative cross-sectional study. *BMJ open sport & exercise medicine*, 7(3), e001135.
 39. Aftab, F., Ahmed, I., Ahmed, S., Ali, S. M., Amenga-Etego, S., Ariff, S., Bahl, R., Baqui, A. H., Begum, N., Bhutta, Z. A., Biemba, G., Cousens, S., Das, V., Deb, S., Dhingra, U., Dutta, A., Edmond, K., Esamai, F., Ghosh, A. K., Gisore, P., ... Alliance for Maternal and Newborn Health Improvement (AMANHI) maternal morbidity study group (2021). Direct maternal morbidity and the risk of pregnancy-related deaths, stillbirths, and neonatal deaths in South Asia and sub-Saharan Africa: A population-based prospective cohort study in 8 countries. *PLoS medicine*, 18(6), e1003644.
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48. Mridha, M. K., Hossain, M. M., Khan, M. S. A., Hanif, A. A. M., Hasan, M., **Mitra, D. K.**, Hossaine, M., Ullah, M. A., Sarker, S. K. & Rahman, S. M. (2021). Prevalence and associated factors of depression among adolescent boys and girls in Bangladesh: findings from a nationwide survey. *BMJ open*, *11*, e038954.
49. Hanif, A. A. M., Shamim, A. A., Hossain, M. M., Hasan, M., Khan, M. S. A., Hossaine, M., Ullah, M. A., arker, S. K., Rahman, S. M. & **Mitra, D. K.** 2021 and Mridha, M. K. Gender-specific prevalence and associated factors of hypertension among elderly bangladeshi people: findings from a nationally representative cross-sectional survey. *Bmj open*, *11*, e038326.
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53. Sarkera, B. K., Rahman, M., Rahman, T., Rahman, T., Khalil, J. J., Hasan, M., Rahman, F., Ahmed, A., **Mitra, D. K.** & Mridha, M. K. 2020a. Status of the WHO recommended timing and frequency of antenatal care visits in Northern Bangladesh. *Plos one*, *15*, e0241185.
54. Akter, F., M. M. Hossain, A. A. Shamim, M. Hasan, A. A. M. Hanif, M. Hossaine, M. A. Ullah, S. K. Sarker, S. M. Rahman and **D. K. Mitra** (2020). "Inadequate Dietary Diversity and Its Determinants Among Adolescent Girls and Boys: Evidence from the National Nutrition Surveillance Study in Bangladesh." *Current Developments in Nutrition* 4(Supplement_2): 502-502.
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- National Nutrition Surveillance Study." *Current Developments in Nutrition* 4(Supplement_2): 1755-1755.
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Book Chapters

Mitra, D.K., Baqui, A.H. (2024). Bias, Confounding, and Effect Modifier. In: Mitra, A.K. (eds) *Statistical Approaches for Epidemiology*. Springer, Cham. https://doi.org/10.1007/978-3-031-41784-9_11

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.

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.

JPG School of Public Health, BRAC University, Bangladesh:

I have been teaching Biostatistics and Quantitative Research Methods in the MPH program as a parttime faculty members since 2016.

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

RESEARCH GRANTS PARTICIPATION

1. Title: Nutrition Surveillance on Food Security and Nutrition in Bangladesh

Funded by: DGHS of Ministry of Health and Family Welfare (MOHFW), GoB

Goal: The overall objective of the proposed action is to institutionalize the nutritional surveillance into a national framework under the support of the National Nutrition Services (NNS).

Role: **Co-Principal Investigator**

2. Title: Implementation Research to enhance facility-based gender-responsive adolescent-friendly health services in selected districts of Bangladesh

Funded by: UNICEF, Bangladesh

Goal: The overall objective of the proposed implementation research was to enhance facility-based adolescent health services at the district, sub-district and union level health facilities in four selected districts where the ADOHEARTS project is being implemented.

Role: Co-Investigator

3. Title: A Baseline Public Health situational analysis for implementing a “Healthy City” project to combat non-communicable diseases in Dhaka North & Khulna City Corporation of Bangladesh

Funded by: DGHS of Ministry of Health and Family Welfare (MOHFW), GoB

Goal: The overall objective is to conduct a comprehensive public health situational analysis to create a “City Health profile” to develop future interventions in selected City Corporations of Bangladesh for improving urban health, preventing NCDs towards achieving the Sustainable Development Goals.

Role: **Co-Principal Investigator**

4. 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**

5. 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**

6. 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**

7. 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**

8. 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**

9. 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**

10. 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**

11. 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**

Signature:

A handwritten signature in blue ink, appearing to read 'Dipak', is written over the 'Signature:' label.

26 January 2025