



Karar Zunaid Ahsan

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EDUCATIONAL QUALIFICATION

- **Doctor of Philosophy (Ph.D.)** 2016–2021
Department of Maternal & Child Health (MCH) with minor in Public Policy, Gillings School of Global Public Health, University of North Carolina at Chapel Hill, NC, USA.
- **Master of International Public Health (M.I.P.H.)** 2005–2006
School of Public Health, University of Sydney, NSW, Australia.
- **Bachelor of Science (B.Sc.) in Applied Statistics** 1996–1999
Institute of Statistical Research and Training, University of Dhaka, Dhaka, Bangladesh.

EMPLOYMENT HISTORY

- **Assistant Professor** in Gillings School of Global Public Health of the **University of North Carolina at Chapel Hill, NC, USA.** *December 2021–present*
At the Department of Public Health Leadership & Practice (PHLP) of UNC Gillings, I teach a range of courses to empower MPH students with essential knowledge and skills to excel in public health research and practices. The courses include "Introduction to M&E," "M&E of Global Health Programs," "Research Methods for Assessing & Improving Population Health," and "Critical Issues in Global Health." Additionally, I am serving as the lead for the certificate program on Core Public Health Concepts and actively engaged in research and scholarship endeavors, focusing on the evaluation of USAID's global health program on adult mortality in developing countries with Gillings MCH (as the Activity Lead), maternal mortality decline in Bangladesh in collaboration with the UNC Carolina Population Center, and assessment of Leadership-in-Practice pedagogy within Gillings PHLP.
- **Postdoctoral Research Associate** in Center for Health Equity Research (CHER) of the **University of North Carolina at Chapel Hill, NC, USA.** *June–November 2021*
As a Postdoctoral Research Associate at the UNC School of Medicine, I contributed to an in-depth evaluation of the impact of at-home COVID-19 testing public health interventions in North Carolina, Tennessee, Georgia, and Hawaii. Additionally, I conducted extensive research on community and behavior-related factors influencing COVID-19 testing and community transmission in the United States to generate valuable insights to inform public health strategies during the global pandemic.
- **Graduate Research Assistant** in the Department of Maternal and Child Health of the **University of North Carolina at Chapel Hill, NC, USA.** *August 2016–May 2021*

In addition to my doctoral studies, I undertook extensive data analysis from national surveys in Bangladesh, yielding valuable insights for scientific articles. I also conducted evaluations of nutrition interventions in Nigeria and Bangladesh and explored the effects of COVID-19 on essential health and family planning services, contributing to scientific articles on Bangladesh, the Democratic Republic of Congo (DRC), and Uganda.

- **Senior Research Associate–M&E Advisor** in Carolina Population Center (CPC) of the **University of North Carolina at Chapel Hill**, NC, USA. *September 2012–July 2016*
I played a vital role in national survey, research, and capacity-building activities under the USAID-sponsored MEASURE Evaluation Project in Bangladesh. Additionally, I led a team at the Ministry of Health and Family Welfare to monitor the implementation of a US\$6.6 billion health sector program and coordinated a technical committee to develop the M&E framework for a US\$14.7 billion health program. I also had the privilege of developing the first M&E Strategy and Action Plan for Bangladesh's health sector, contributing to improved monitoring and evaluation practices.
- **Research Analyst** in South Asia Human Development Sector (SASHD) of the **World Bank**, Dhaka, Bangladesh. *December 2008–August 2012*
I oversaw analytical and advisory activities, including health facility surveys, operations research, and private-sector involvement in health. I actively contributed to regional flagship reports on non-communicable diseases, reproductive health, and human resources. Additionally, I led the design and implementation of monitoring and evaluation systems for cross-sectoral projects (viz., with UN agencies, the World Bank teams on social protection, and economic and human development), and served as the co-convenor of the Scaling Up Nutrition (SUN) Initiative in Bangladesh.
- **Research Investigator** in the **International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b)**. *June 2007–November 2008*
I served as a Co-Investigator for various impactful studies, including the evaluation of community-based health packages for urban slums, raising the age of marriage in rural Bangladesh, and the impact of climate change on public health. I also played a key role in developing research protocols and managing icddr,b's Central Data Repository.
- **Research Officer** and **Senior Research Assistant** in **icddr,b**. *September 2002–May 2007*
In my earlier positions at icddr,b, I conducted comprehensive analyses of longitudinal data from the Matlab Health & Demographic Surveillance System, preparing scientific articles and technical reports for publication. I also played an instrumental role in developing M&E and data collection tools for health and population research projects. Moreover, I conducted statistical analyses for a USAID-funded study on Bangladesh's fertility plateau and the strategic plan for a US\$4.3 billion national health program.

Other academic activities

- **Guest lectures** at UNC Gillings School of Global Public Health:

- MHCH 862: *Program Impact Evaluation* (Spring 2022)
- MHCH 701: *Foundations in Maternal and Child Health* (Fall 2017)
- MHCH 723: *Research Methods* (Fall 2018)
- Served as a **teaching assistant** at UNC Gillings School of Global Public Health:
 - MHCH713L: *Research Methods in Maternal and Child Health Lab* (Fall 2018, 15 students)
 - MHCH 862: *Program Impact Evaluation* (Spring 2019, 2020, and 2021; 15–18 students)

Consultancies

- **International Consultant**, contracted by **icddr,b** for finalizing Bangladesh Demographic and Health Survey (DHS) 2017–18 Key Indicators Report and Bangladesh Maternal Mortality Survey (BMMS) 2016 Final Report. *December 2018–January 2019*
- **National Consultant**, contracted by **Mitra & Associates** and **MACRO International Inc.** for preparing Bangladesh DHS 2007. *July 2006–July 2008*
- **Data Analysis Consultant**, contracted by **LAMB Integrated Rural Health & Development** for Socio-economic Status Survey in Bangladesh. *July–August 2007*
- **Business Analyst**, contracted by **QUEST Australia**, for preparing PepsiCo International’s Asia Pacific Strategic Plan 2007–09. *January–June 2006*
- **Demographer**, contracted by **Snowy Mountains Engineering Corporation (SMEC)**, for social impact assessment of coal-mine in Bangladesh. *November 2004–January 2005*
- **Statistician**, contracted by the **Food & Agriculture Organization (FAO)** for vulnerability assessment in the coastal zones of Bangladesh. *December 2003–February 2004*

Administrative and collective duties

- Currently serving as an **Editorial Board Member** of Nature Scientific Reports, a prestigious journal renowned for its global impact and influence. This journal proudly holds the esteemed rank of being the 5th most-cited journal worldwide, with a citation count of over 696,000 in 2021. Additionally, currently serving as a **Guest Editor** for the Scientific Report’s *Urbanization and Communicable Diseases Collection*, to be published in 2024.
- Serve as a **peer reviewer** for Social Science & Medicine; Frontiers in Public Health; Nature Scientific Reports; PLoS One; Population Review; Public Health Nutrition; BMC Public Health; BMJ Open; Archives of Public Health; Global Health Action; BMC Women’s Health; PLoS Global Public Health; Maternal and Child Health Journal; Journal of Health, Population, and Nutrition; and International Journal of Women’s Health.
- Served as an **external reviewer** for the Fulbright-Nehru Doctoral Research Fellowships 2023 for doctoral scholars from India, organized by the Fulbright Commission in India. Also served as a member of the **Scientific Committee** for the International Conference on Urban Health 2015 in Dhaka, Bangladesh, and the **extended Program Planning Committee** for the American Public Health Association Annual Meetings in 2018–2023.

- Organized **international events** in Dhaka, including Inter-country Conference on Measurement & Accountability for Health (USAID) in 2016; South Asia Regional Workshop on Results-based Financing in 2011 (WB); Regional Impact Evaluation Workshop in 2011 (WB); and 40 Years of Matlab Demographic Surveillance System in 2007 (icddr,b).

PUBLICATIONS

Scientific articles

1. **Ahsan KZ**, Curtis S, Angeles G, Streatfield PK, Chakraborty N, Jamil K. Stagnation of maternal mortality decline in Bangladesh between 2010 and 2016 in spite of an increase in health services utilization: Examining data from three large cross-sectional surveys. *Journal of Global Health*, 2024; 14:04027. DOI: DOI: 10.7189/jogh.14.04027.
2. Angeles G, Silverstein H, **Ahsan KZ**, Kibria MG, Rakib NA, Escudero G, Singh K, Mpiima J, Simmons E, Weiss W. Estimating the effects of COVID-19 on essential health services utilization in Uganda and Bangladesh using data from routine health information systems. *Frontiers in Public Health*, 2023. DOI: 10.3389/fpubh.2023.1129581.
3. Angeles G, Silverstein H, Worges M, Hotchkiss DR, Wisniewski JM, Lusamba-Dikassa PS, Weiss W, **Ahsan KZ**. Area-Specific COVID-19 Effects on Health Services Utilization in the Democratic Republic of the Congo using Routine Health Information System Data. *BMC Health Services Research*, 2023. DOI: 10.1186/s12913-023-09547-9.
4. Khudri MM, Rhee KK, Hasan MS, **Ahsan KZ**. Predicting nutritional status for women of childbearing age from their economic, health, and demographic features: A supervised machine learning approach. *PLOS One*, 2023. DOI: 10.1371/journal.pone.0277738.
5. Haider MM, **Ahsan KZ**, Rahman M, Khan S, Nahar Q, Alam A, Jamil K. Roles of wantedness of pregnancy and childbearing on depression among married adolescent girls in Bangladesh: evidence from a nationally representative cross-sectional survey. *Population Medicine*, 2023; 5(Supplement): A1267. DOI: 10.18332/popmed/163955.
6. **Ahsan KZ**, Iqbal A, Haider MM, Khan SH, Jamil K, Chakraborty N, Streatfield PK. Socioeconomic disparities in diabetes prevalence and management among the adults in Bangladesh. *PLOS One*, 2022. DOI: 10.1371/journal.pone.0279228.
7. Angeles G, **Ahsan KZ**, Curtis S, Spencer J, Streatfield PK, Chakraborty N, Brodish P. Measurement Challenges in Designing and Conducting Surveys on Urban Population: Experience from Bangladesh Urban Health Surveys. *Survey Methods: Insights from the Field*, 2022. DOI: 10.13094/SMIF-2022-00001.
8. Singh K, Li Q, **Ahsan KZ**, Curtis S, Weiss W. A comparison of approaches to measuring maternal mortality in Bangladesh, Mozambique, and Bolivia. *Population Health Metrics*, 2022; 20:5. DOI: 10.1186/s12963-022-00281-8.

9. Weiss W, Piya B, Althea A, **Ahsan KZ**, Cohen R. Estimating the impact of donor programs on child mortality in low- and middle-income countries: a synthetic control analysis of child health programs funded by the United States Agency for International Development. *Population Health Metrics*, 2022; 20:2. DOI: 10.1186/s12963-021-00278-9.
10. Iqbal A, **Ahsan KZ**, Jamil K, Haider MM, Khan SH, Chakraborty N, Streatfield PK. Demographic, socioeconomic, and biological correlates of hypertension in an adult population: evidence from the Bangladesh Demographic and Health Survey 2017–18. *BMC Public Health*, 2021; 21:1229. DOI: 10.1186/s12889-021-11234-5.
11. Angeles G, **Ahsan KZ**, Streatfield PK, Arifeen SE, Jamil K. Reducing inequity in urban Bangladesh: Have the intra-urban differentials in health outcomes and service utilization narrowed? *Journal of Urban Health*, 2018. DOI: 10.1007/s11524-018-0307-x.
12. **Ahsan KZ**, Tahsina T, Iqbal A, Ali NB, Chowdhury SK, Huda T, Arifeen SE. Production and use of estimates for monitoring progress in the health sector: the case of Bangladesh. *Global Health Action*, 2017; 10(S1): 29–38. DOI: 10.1080/16549716.2017. 1298890.
13. **Ahsan KZ**, Arifeen SE, Al-Mamun MA, Khan SH, Chakraborty N. Effects of individual, household, and community characteristics on child nutritional status in the slums of urban Bangladesh. *Archives of Public Health*, 2017; 75(9). DOI: 10.1186/s13690-017-0176-x.
14. Khan SH, **Ahsan KZ**, Arifeen SE, Streatfield PK. Overweight surpassing underweight: Would Bangladesh be able to achieve the global voluntary target of halting obesity. *Obesity Reviews*, 2016; 17(S2):195–6.
15. Arifeen SE, Hill K, **Ahsan KZ**, Jamil K, Nahar Q, Streatfield PK. Maternal mortality in Bangladesh. *Obstetrical and Gynecological Survey*, 2015; 70(2): 74–75. DOI: 10.1097/01.ogx.0000461895.78734.18.
16. **Ahsan KZ**, Streatfield PK, Ijdi RE, Escudero GM, Khan AW, Reza MM. Fifteen years of Sector Wide Approach (SWAp) in Bangladesh Health Sector: An Assessment of Progress. *Health Policy and Planning*, 2015; 31(5): 612–623. DOI: 10.1093/heapol/czv108.
17. Streatfield PK, Kamal N, **Ahsan KZ**, Nahar Q. Early marriage in Bangladesh: Not as early as it appears. *Asian Population Studies*, 2015; 11(1). DOI: 10.1080/17441730.2015. 1012785.
18. Huda T, Khan JAM, **Ahsan KZ**, Jamil K, Arifeen SE. Monitoring and evaluating progress towards Universal Health Coverage in Bangladesh. *PLoS Medicine*, 2014; 11(9): e1001722. DOI: 10.1371/journal.pmed.1001722.
19. Arifeen SE, Hill K, **Ahsan KZ**, Jamil K, Nahar Q, Streatfield PK. Maternal mortality in Bangladesh: A countdown to 2015 country case study. *Lancet*, 2014; 384: 1366–74. DOI: 10.1016/S0140-6736(14)60955-7.
20. Khan MM, Hotchkiss D, Dmytraczenko T, **Ahsan KZ**. Use of Balanced Scorecard in strengthening health systems in developing countries: An analysis based on nationally

representative Bangladesh Health Facility Survey. *International Journal of Health Planning and Management*, 2013; 28(2): 202–215. DOI: 10.1002/hpm.2136.

21. Choudhury N, Moran AC, Alam AM, **Ahsan KZ**, Rashid SF, Streatfield PK. Beliefs and practices during pregnancy and childbirth in urban slums of Dhaka, Bangladesh. *BMC Public Health*, 2012; 12(791). DOI: 10.1186/1471-2458-12-791.
22. Razzaque A, Nahar L, Mustafa AHMG, **Ahsan KZ**, Islam MS, Yunus M. Socio-demographic differentials of selected non-communicable diseases risk factors among adults in Matlab, Bangladesh: Findings from a WHO STEPS survey. *Asia-Pacific Journal of Public Health*, 2010; 23(2): 183–191. DOI: 10.1177/1010539510392743.
23. Moran AC, Choudhury N, Khan NUZ, **Ahsan KZ**, Wahid T, Rashed S, Alam MA. Newborn care practices among slum dwellers in Dhaka, Bangladesh: A quantitative and qualitative exploratory study. *BMC Pregnancy & Childbirth*, 2009; 9(54). DOI:10.1186/1471-2393-9-54.
24. **Ahsan KZ**, Alam N, Streatfield PK. Epidemiological transition in rural Bangladesh, 1986–2006. *Global Health Action*, 2009; 2(1904). DOI: 10.3402/gha.v2i0.1904.
25. Streatfield PK, **Ahsan KZ**. Population challenges for Bangladesh in the coming decades. *Journal of Health, Population, and Nutrition*, 2008; 26(3): 261–272.

*Articles under review/pre-print (*collaboration with students)*

26. Agarwal H*, Erwin M, Esposito M, **Ahsan KZ**. Lower PrEP retention among young and Black clients accessing PrEP at a cluster of safety net clinic for gay and bisexual men. *[revised version under review in Journal of the International Association of Providers of AIDS Care]*
27. **Ahsan KZ**, Angeles G, Curtis S, Streatfield PK, Singh K. Socioeconomic equity in maternal health services use in Bangladesh: The role of service readiness in health facilities during the period 2001–2016. *[under review in International Journal for Equity in Health]*
28. Bourne MP*, **Ahsan KZ**. Parallel Plights in Advancing Menstrual Equity: A Systematic Review of Period Poverty in India and the United States. *[under review in Health Promotion Practice]*
29. Khan S, Haider MM, Jamil K, **Ahsan KZ**, Siraj S, Iqbal A, Angeles G. The changing paradigm of malnutrition among Bangladeshi women of reproductive age: analysis of national data and systematic review of policies to reassess national policy, planning, and programmatic responses. *[revised version under review in Frontiers in Public Health]*
30. Khudri MM, Chowdhury PB, Hossain S, **Ahsan KZ**. Explaining the nutritional transition among Bangladeshi women during 2004–2018. *[under review in Health Promotion International]*
31. Rawat P*, Hussey JM, **Ahsan KZ**. Impact of the Aama Program on Maternal Healthcare Continuum in Nepal’s Diverse Ecological Regions. *[work in progress]*

32. **Ahsan KZ**, Angeles G, Choudhury A, Singh K, Taylor TM, Lucas R, Cohen R, Gawande A, Weiss W. Accounting for aid: Estimating the impact of USAID's global health interventions on female mortality using Synthetic Control and Bayesian methods. *[work in progress]*
33. Dhawan G*, Nanda P, **Ahsan KZ**. Between Two Worlds within India: Exploring Factors Influencing Maternal Health Services Use in Odisha and Maharashtra. *[work in progress]*
34. Wang SE*, Kent E, **Ahsan KZ**. Bridging the Digital Divide: Exploring the Role of Caregivers in Older Adults' Technological Adoption in the United States. *[work in progress]*
35. Excellent ML, Yu M, Hartranft A, Fleming WO, **Ahsan KZ**, Schenck AP, Ramaswamy R. Preparing for the future: advancing pedagogy in leadership practice to enhance public health impact. *[work in progress]*
36. **Ahsan KZ**, Angeles G, Curtis S, Streatfield PK, Singh K. Has the sector-wide approach (SWAp) been successful in improving equity in skilled delivery care in Bangladesh? An exploratory study using synthetic control analysis. *[work in progress]*
37. **Ahsan KZ**, Ijdi RE, Streatfield PK. Is tracking and modeling Covid-19 infection dynamics for Bangladesh using daily data feasible? *medRxiv* 2020; DOI: 10.1101/2020.06.13.20130617 *[preprint]*
38. **Ahsan KZ**, Streatfield PK, Jamil K, Arifeen SE. Progress towards the Ending Preventable Maternal Mortality (EPMM) target for Bangladesh: the role of female education. *medRxiv* 2020; DOI: 10.1101/2020.06.01.20119479 *[preprint]*

Technical reports/Book chapters

39. **Ahsan KZ**, Angeles G, Singh K. Theory of Change for the Impact of USAID's Bureau of Global Health (BGH) Investment on Mortality in Low- and Middle-Income Countries (LMICs). Chapel Hill, NC, USA: Data for Impact (D4I), 2023.
40. Khan SH, Haider MM, Jamil K, **Ahsan KZ**, Angeles G. The double burden of malnutrition among Bangladeshi women: Rethinking the country's maternal and child health programs and policies. Chapel Hill, NC: D4I, 2022.
41. Streatfield PK, **Ahsan KZ**, Iqbal A, Jamil K, Haider MM, Khan SH. Hypertension and Diabetes in Bangladesh: Findings from the Bangladesh Demographic and Health Survey (BDHS) 2017-18 and Policy Implications. Chapel Hill, NC: D4I, 2021.
42. Angeles G, Silverstein H, **Ahsan KZ**, Escudero G, Kibria MG, Rakib NA. Estimating the effect of COVID-19 on total utilization of health services in Bangladesh. Chapel Hill, NC: D4I, 2021.
43. Khan SH, Angeles G, Rahman M, Chakraborty N, Haider MM, Escudero G, **Ahsan KZ**, Ijdi RE. Evaluation of the Improving Nutrition through Community Approaches (INCA) Project in Bangladesh: Outcome and Impact Evaluation. Chapel Hill, NC: D4I, 2020.

44. **Ahsan KZ**, Ahsan A, Jamil K, Al-Sabir A, Chakraborty N. Bangladesh District level Socio-Demographic and Health Care Utilization Indicators. Dhaka and Chapel Hill, NC: National Institute of Population Research and Training (NIPORT), icddr,b, and MEASURE Evaluation, 2020.
45. Ahmed S, **Ahsan KZ**, Curtis S, Streatfield PK, Arifeen SE, Jamil K, et al. Bangladesh Maternal Mortality and Health Care Survey 2016: Final Report. Dhaka and Chapel Hill, NC: NIPORT, icddr,b and MEASURE Evaluation, 2019.
46. **Ahsan KZ**, Jamil K, Islam S, Al-Sabir A, Chakraborty N. Bangladesh Demographic and Health Survey 2017–18: Key Indicators. Dhaka and Rockville, MD: NIPORT, Mitra & Associates, and ICF, 2019.
47. Mannan I, **Ahsan KZ**, Jamil K, Arifeen SE, Liskin L. 2014 Bangladesh Health Facility Survey (BHFS) Policy Brief. Dhaka and Rockville, MD: NIPORT, ACPR, and ICF, 2019.
48. Ahmed S, **Ahsan KZ**, Angeles G, Curtis S, Streatfield PK, Arifeen SE, Jamil K, et al. Bangladesh Maternal Mortality and Health Care Survey (BMMS) 2016: Preliminary Report. Dhaka and Chapel Hill, NC: NIPORT, icddr,b, and MEASURE Evaluation, 2017.
49. **Ahsan KZ**, Ijdi RE, Mamun MAA, Zaman SS, Khan AW, Reza MM. Annual Program Implementation Report (APIR) 2016 of Bangladesh Health, Population and Nutrition Sector Development Program. Dhaka: Ministry of Health & Family Welfare, 2016.
50. **Ahsan KZ**. Report of the Inter-Country Conference on Measurement and Accountability for Health (MA4Health), held on 26–28 April 2016 in Dhaka, Bangladesh. Dhaka: Ministry of Health and Family Welfare, 2016.
51. Kabir MH, **Ahsan KZ**, Ahmed S. Measurement and Accountability for Health in Bangladesh: A Status Report. Chapel Hill, NC: MEASURE Evaluation, 2016.
52. **Ahsan KZ**, Rahman M, Mannan I, Arifeen SE, Ahmed T, Khan SH, Jamil K. Bangladesh Demographic and Health Survey 2014: Policy Briefs. Dhaka and Rockville, MD: NIPORT and ICF International, 2015.
53. Ijdi RE, **Ahsan KZ**, Reza MM, Khan AW. Six-monthly Progress Report of Bangladesh Health, Population and Nutrition Sector Development Program, July–December 2015. Dhaka: Ministry of Health & Family Welfare, 2016.
54. **Ahsan KZ**, Khan AW, Reza MM, Ijdi RE. Annual Program Implementation Report (APIR) 2015 of Bangladesh Health, Population and Nutrition Sector Development Program. Dhaka: Ministry of Health & Family Welfare, 2015.
55. **Ahsan KZ**, Reza MM, Khan AW, Uddin MH. Six-monthly Progress Report of Bangladesh Health, Population and Nutrition Sector Development Program, July–December 2014. Dhaka: Ministry of Health & Family Welfare, 2015.

56. **Ahsan KZ**, Khan AW, Uddin MH, Reza MM. Monitoring and Evaluation (M&E) Strategy and Action Plan. Dhaka: Ministry of Health & Family Welfare, 2015.
57. Arifeen SE, **Ahsan KZ**. Child health and nutrition. *In*: Bangladesh Urban Health Survey 2013. Dhaka and Chapel Hill, NC: NIPORT, icddr,b and MEASURE Evaluation, 2015.
58. Sultana S, Bhadra S, Alam MA, Jamil K, Al-Sabir A, **Ahsan KZ**. Bangladesh Health Facility Survey 2014: Preliminary Results. Dhaka and Rockville, MD: NIPORT, Mitra & Associates, and ICF International, 2015.
59. Jamil K, Streatfield PK, Arifeen SE, **Ahsan KZ**, Al-Sabir A, Bhadra S, Sultana S, Alam MA. Bangladesh Demographic and Health Survey 2014: Preliminary Report. Dhaka and Rockville, MD: NIPORT, Mitra & Associates, and ICF International, 2015.
60. El-Saharty S, Sparkes SP, Barroy H, **Ahsan KZ**, Ahmed SM. The Path to Universal Health Coverage in Bangladesh: Bridging the gap of Human Resources for Health. World Bank Studies Series. Washington, DC: World Bank, 2015.
61. El-Saharty S, **Ahsan KZ**, May JF. Population, Family Planning, and Reproductive Health Policy Harmonization in Bangladesh. World Bank HNP Discussion Paper Series. Washington, DC: World Bank, 2014.
62. Jamil K, Nahar Q, Kamal N, Streatfield PK, Arifeen SE, Rahman M, Angeles G, **Ahsan KZ**, Chakraborty N, Ijdi RE, Bhuiyan A. Bangladesh Urban Health Survey 2013: Preliminary Results. Dhaka and Chapel Hill, NC: NIPORT, icddr,b, and MEASURE Evaluation, 2014.
63. **Ahsan KZ**, Khan AW, Uddin MH, Mannan MA, Reza MM. Mid-term Program Implementation Report (MPIR) 2014 of Bangladesh Health, Population and Nutrition Sector Development Program. Dhaka: Ministry of Health & Family Welfare, 2014.
64. El-Saharty S, **Ahsan KZ**, May JF. Harnessing the demographic dividend in Bangladesh. Health, Nutrition & Population Global Practice Knowledge Brief. Washington, DC: World Bank, 2014.
65. **Ahsan KZ**, Reza MM, Khan AW, Uddin MH. Six-monthly Progress Report of Bangladesh Health, Population and Nutrition Sector Development Program, July–December 2013. Dhaka: Ministry of Health & Family Welfare, 2014.
66. Escudero GM, Ijdi RE, Rahman M, **Ahsan KZ**, Khan AW, Uddin MH, Reza MM. Performance Monitoring Plan (PMP) of Bangladesh Health, Population and Nutrition Sector Development Program. Dhaka: Ministry of Health & Family Welfare, 2014.
67. **Ahsan KZ**, Khan AW, Reza MM, Mannan MA. Annual Program Implementation Report (APIR) 2013 of Bangladesh Health, Population and Nutrition Sector Development Program. Dhaka: Ministry of Health & Family Welfare, 2013.

68. Reza MM, **Ahsan KZ**, Khan AW. Six-monthly Progress Report of Bangladesh Health, Population and Nutrition Sector Development Program, July–December 2012. Dhaka: Ministry of Health & Family Welfare, 2013.
69. El-Saharty S, **Ahsan KZ**, Koehlmoos TLP, Engelgau MM. Tackling Non-communicable Diseases in Bangladesh: Now is the time. Directions in Development Series. Washington, DC: World Bank, 2013.
70. Talukder SH, **Ahsan KZ**. Hypertension and Diabetes *In*: Bangladesh Demographic and Health Survey 2011: Policy Briefs. Dhaka: NIPORT and Mitra & Associates, 2013.
71. Al-Sabir A, Alam BB, **Ahsan KZ**. Trends in Accessing Reproductive Health (RH) Services in Bangladesh – The Role of the Private Sector. Dhaka: World Bank, 2013.
72. **Ahsan KZ**, Khan AW, Reza MM, Escudero GM, Rahman M, Streatfield PK. Annual Program Implementation Report (APIR) 2012 of Bangladesh Health, Population and Nutrition Sector Development Program. Dhaka: Ministry of Health & Family Welfare, 2012.
73. Mbuya NV, **Ahsan KZ**. The National Nutrition Program (NNP) Survey 2010: Better, But Not Enough—An Assessment of Area Based Community Nutrition (ABCN) Services in Bangladesh. SASHN Report no. ACS3203. Washington, DC: World Bank, 2012.
74. Mahmud I, **Ahsan KZ**, Claeson M. Glue sniffing and other risky practices among street children in urban Bangladesh. Washington, DC: World Bank, 2011.
75. **Ahsan KZ**. Factsheet on Health, Nutrition and Population Sector Program (HNPSPP) 2003–2011 Bangladesh. Dhaka: Ministry of Health and Family Welfare, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH and World Bank, 2011.
76. Brown LR, Mbuya NV, **Ahsan KZ**. Understanding the Dynamics of Gender and Nutrition in Bangladesh: Implications for Policy and Programming. Washington, DC: World Bank, 2010.
77. **Ahsan KZ**, Rahman MM. Health and Demographic Surveillance System-Matlab: Registration of health and demographic events 2007, v. 41(106), Dhaka: icddr,b, 2009.
78. **Ahsan KZ**. Fertility. *In*: Bangladesh Demographic and Health Survey 2007. Dhaka and Calverton, MD: NIPORT, Mitra & Associates, and Macro International, 2009. p.45–56.
79. **Ahsan KZ**, Streatfield PK. Transition of fertility towards the replacement level despite a decade-long plateau in rural Bangladesh: the Matlab experience *In*: INDEPTH Monograph on Fertility, Volume 5. Accra: INDEPTH Network, 2009.
80. Angeles G, Al-Sabir A, Lance P, Buckner B, Streatfield PK, **Ahsan KZ**, El Arifeen S, Akter T, Talukder K, Talukder S, Naved R, Bhadra S, Bhuiya A, Baumgartner J. Bangladesh Urban Health Survey 2006, Dhaka and Chapel Hill, NC: NIPORT, icddr,b, MEASURE Evaluation, and ACPR, 2008.

81. **Ahsan KZ**, Rahman MM. Health and Demographic Surveillance System-Matlab: Registration of health and demographic events 2006. Dhaka: icddr,b, 2008.
82. **Ahsan KZ**, Streatfield PK, Ahmed SM. MANOSHI Community Health Solutions in Bangladesh: Baseline Survey in Dhaka Urban Slums 2007. Dhaka: icddr,b, 2008.
83. Kamal N, **Ahsan KZ**. Education and Women's Empowerment in Bangladesh. Centre for Health, Population, and Development Working Paper no. 11. Dhaka: Independent University, Bangladesh (IUB), 2006.
84. Kamal N, **Ahsan KZ**. Population Projection *In*: Section 6, Environmental and Social Impact Assessment (ESIA) Report on Bangladesh: Phulbari Coal Project, Volume 4. Dhaka: SMEC International Pty Ltd., 2006.
85. Streatfield PK, van Mels C, Razzaque A, **Ahsan KZ**, Bhuiya A, Khan MA, Chakraborty N, and Cleland J. Plateauing of the Bangladesh Fertility Decline. Report Commissioned by USAID Global Health. Dhaka and London: icddr,b, Dhaka University, and LSHTM, 2004.

CONFERENCE/SEMINAR PROCEEDINGS

- Excellent ML, Yu M, Hartranft A, Fleming WO, Ahsan KZ, Schenck AP, Ramaswamy R. Strategizing for tomorrow: Elevating pedagogy in leadership practice for greater public health impact. *Accepted for presentation to the American Public Health Association 2024 Annual Meeting*; 2024 October 27–30; Minneapolis, MN, USA.
- Khudri MM, Rhee KK, Hasan MS, **Ahsan KZ**. Predicting nutritional status for women of childbearing age from their economic, health, and demographic features: A supervised machine learning approach. 12th Annual Conference of the American Society of Health Economists (ASHEcon); 2023 June 11–14; St. Louis, MO, USA.
- Haider MM, **Ahsan KZ**, Rahman M, Khan S, Nahar Q, Alam A, Jamil K. Roles of wantedness of pregnancy and childbearing on depression among married adolescent girls in Bangladesh: evidence from a nationally representative cross-sectional survey. 17th World Congress on Public Health; 2023 May 2–6; Rome, Italy.
- Angeles G, Silverstein H, **Ahsan KZ**, Escudero G, Weiss W. Beyond the first year of COVID-19: Estimating the effects on essential health services utilization in the Democratic Republic of the Congo, Uganda, and Bangladesh. 7th Global Symposium on Health Systems Research; 2022 October 31–November 4; Bogota, Colombia.
- **Ahsan KZ**, Alam MN, Streatfield PK, Nahar Q. Health systems reform focusing on multisectoral collaboration to achieve the Sustainable Development Goals: the case for epidemiologic transition in Bangladesh. 5th Global Symposium on Health Systems Research; 2018 October 8–12; Liverpool, UK.

- Angeles G, **Ahsan KZ**, Streatfield PK, Arifeen SE, Jamil K. The role of community health workers in reducing intra-urban gaps in reproductive health: Evidence from the 2006 and 2013 Bangladesh Urban Health Surveys. 14th International Conference on Urban Health (ICUH); 2017 September 26–29; Coimbra, Portugal.
- **Ahsan KZ**, Alam MN, Streatfield PK, Nahar Q. Has Bangladesh Entered the Fourth Stage of the Epidemiologic Transition? Evidence from Matlab HDSS. International Seminar on Mortality: Past, Present, and Future; 2017 August 7–8; Campinas, Brazil.
- **Ahsan KZ**, Streatfield PK, Ijdi RE. Improving responsiveness of health systems to non-communicable diseases in Bangladesh: Need innovative measures to mobilize resources under a sector-wide approach. 4th Global Symposium on Health Systems Research; 2016 November 14–18; Vancouver, Canada.
- **Ahsan KZ**. Use of national and global estimates in Bangladesh's health sector. Inter-country Conference on Measurement & Accountability for Health; 2016 April 26–28; Dhaka, Bangladesh.
- **Ahsan KZ**, Streatfield PK, Ijdi RE, Escudero GM, Khan AW, Reza MM. Improving access to urban primary health care services in Bangladesh: Need for improved coordination and harmonization in policies. 13th International Conference on Urban Health; 2016 April 1–4; San Francisco, USA.
- Khan SH, **Ahsan KZ**, Arifeen SE, Streatfield PK. Overweight surpassing underweight: Would Bangladesh be able to achieve the global voluntary target of halting obesity? 13th International Congress on Obesity; 2016 May 1–4; Vancouver, Canada.
- **Ahsan KZ**, Streatfield PK, Jamil K. Progress towards the Ending Preventable Maternal Mortality target for Bangladesh: The Roles of Fertility and Female Education. 3rd International Conference on Demography and Population Studies; 2016 June 13–16; Athens, Greece.
- Streatfield PK, Jamil K, **Ahsan KZ**, Arifeen SE. Reducing intra-urban inequities in health: Findings from 2006 and 2013 Bangladesh Urban Health Survey. 12th International Conference on Urban Health; 2015 May 24–27; Dhaka, Bangladesh.
- **Ahsan KZ**, Arifeen SE. Under-nutrition and feeding practices among children living in slums of urban Bangladesh. 12th International Conference on Urban Health; 2015 May 24–27; Dhaka, Bangladesh.
- Streatfield PK, **Ahsan KZ**. Resolving the denominator challenge for increasing effective coverage of urban health and related programs. Tanahashi Round Eight at BRAC Institute of Global Health, BRAC University; 2014 February 20; Dhaka, Bangladesh.

- Talukder SH, **Ahsan KZ**, Arifeen SE, Streatfield PK, Khan SH. Hypertension and Diabetes in Bangladesh: A National Policy Direction for the Future. 11th International Conference on Urban Health; 2014 March 4–7; Manchester, UK.
- **Ahsan KZ**. Demographic and epidemiologic transitions in Bangladesh: from infectious to chronic diseases. 2nd Global Conference on Community Health; 2014 March 19–21; Dhaka, Bangladesh.
- Arifeen SE, Hill K, **Ahsan KZ**. Maternal Mortality in Bangladesh—A Case Study. Accountability for Results: Keeping our promises for women and children; 2013 September 22; New York, USA.
- **Ahsan KZ**. Role and scope of MIS in the Monitoring & Surveillance Systems of HPNSDP. 1st Global Conference on Community Health; 2013 March 22; Dhaka, Bangladesh.
- **Ahsan KZ**, Alam BB. Public versus private sector: Where do the poor people seek healthcare in Bangladesh? 2nd Global Symposium on Health Systems Research; 2012 October 31–November 03; Beijing, China.
- El-Saharty S, **Ahsan KZ**. Health Policy Reform Options of Human Resources for Health in Bangladesh: Meeting the population health needs by 2020. Health System Reform in Asia 2011 Conference; 2011 December 9–12; Hong Kong, China.
- Streatfield PK, **Ahsan KZ**. The world's population has tripled in one lifetime: Status of Bangladesh in this high population growth environment. Centre Scientific Forum of icddr,b; 2011 May 30; Dhaka, Bangladesh.
- Newman JL, Mbuya NV, **Ahsan KZ**. Managing cross-cutting actions for improved food and nutrition security. South Asia Food and Nutrition Initiative (SAFANSI) Seminar Series; 2011 March 15; Washington DC, USA.
- Khan MM, Dmytraczenko T, **Ahsan KZ**. Performance of health service delivery system in Bangladesh: Results from a nationally representative health facility survey. 1st Global Symposium on Health Systems Research; 2010 November 16–19; Montreux, Switzerland.
- Fotso JC, et al. on behalf of INDEPTH Fertility Group. Fertility transition at INDEPTH sites in the developing world: Evidence from the health and demographic surveillance systems in Asia and Africa. XXVI IUSSP International Population Conference; 2009 September–02 October; Marrakech, Morocco.
- **Ahsan KZ**, Bishop KA, Streatfield PK. Role of HDSS in filling the Millennium Development 'Holes': Evidence from rural Bangladesh. 8th Annual General & Scientific Meeting of INDEPTH Network; 2008 September 22–26; Dar es Salam, Tanzania.
- **Ahsan KZ**, Streatfield PK. Demographic and health transitions in rural Bangladesh, 1988–2006. 8th Annual General & Scientific Meeting of INDEPTH Network; 2008 September 22–26; Dar es Salam, Tanzania.

- **Ahsan KZ**, Li M, Streatfield PK. Factors affecting the choice of safe delivery practices among pregnant women in Bangladesh. 11th Annual Scientific Conference (ASCON): Partnerships in Achieving the Millennium Development Goals; 2007 March 4–6; Dhaka, Bangladesh.
- Razzaque A, Streatfield PK, **Ahsan KZ**. Health intervention and health equity: Evidence from Matlab, Bangladesh. Population Association of America 2005 Annual Meeting Program; 2005 March 31–April 02; Philadelphia, USA.
- **Ahsan KZ**, Alam N, Razzaque A, Streatfield PK. Healthcare seeking for childhood diseases: Does the provision of high-quality service matter? 10th Asian Conference on Diarrhoeal Diseases and Nutrition (ASCODD); 2003 December 7–9; Dhaka, Bangladesh.
- Khan MA, Razzaque A, **Ahsan KZ**, Mustafa AHMG, Streatfield PK (2003) Does sex preference really affect contraceptive behavior among married women in rural Bangladesh? 10th ASCODD; 2003 December 7–9; Dhaka, Bangladesh.

PROFESSIONAL DEVELOPMENT

- Received **Diversity, Equity and Inclusion in the Workplace Certificate** in June 2022, organized by the University of South Florida's Office of Corporate Training and Professional Education.
- Completed training courses on **Title IX sexual assault prevention (2019 & 2020), mental well-being for students (2020), harassment & discrimination prevention (2020), and prescription drug abuse prevention (2020)**, organized by the University of North Carolina at Chapel Hill, NC, USA.
- Completed **Human Subjects Research Curriculum** in March 2013 and October 2020, organized by the Collaborative Institutional Training Initiative (CITI) Program, USA.
- Completed **South Asia Regional Course on Reproductive Health and Health Systems Strengthening** in April 2012, organized by the World Bank Institute in Colombo, Sri Lanka.
- Passed **Trust Fund Accreditation Exam** in July 2011, organized by Trust Funds Learning and Accreditation Program of the World Bank.
- Completed **Flagship Course on Health Sector Reform and Sustainable Financing** in March 2011, organized by the World Bank Group in Washington DC.
- Participated in **Regional Impact Evaluation Workshop** in February 2010, organized by the World Bank in Kathmandu, Nepal.
- Completed training course on **Fundamentals of Bank Operations** in February 2009, organized by Asia Learning Services of the World Bank in Bangkok, Thailand.

- Completed web-based training course on **Protecting Human Research Participants** on 29 October 2008, conducted by Office of Extramural Research, National Institute of Health, USA.
- Obtained **Human Subjects Certification** from New York University's Committee on Activities Involving Human Subjects in September 2006.
- Completed course on **Equity in Health** in November 2007, organized by the World Bank Institute, BRAC University, and icddr,b, in Dhaka, Bangladesh.
- Completed technical course on **Multilevel Modeling** in October 2003, organized by African Population and Health Research Center (APHRC) in Nairobi, Kenya.
- Completed course on **Measuring Poverty: Economic Dimensions** in 2003, organized by icddr,b in Dhaka, Bangladesh.
- Participated in **Health and Demographic Surveillance System and Longitudinal Data Analysis** in January 2003, organized by icddr,b in Dhaka and Matlab, Bangladesh.

COMPUTER SKILLS

- **Statistical Package:** STATA 18.0 SE, R 4.0.5, SPSS 26, SAS 9.4, Epi Info 7.2, CPro 8.0.
- **Specialized Software:** NVivo 12 for qualitative data analysis; Spectrum 6.05 for demographic projection; MlwiN 3.05 for multilevel modeling; iThink 9.1 for system dynamics modeling; Tableau 10.1.3 for data visualization; Microsoft Teams and Asana for collaboration and work management.
- **Application Software:** Word, Excel, PowerPoint, and Access for Microsoft 365; Adobe Illustrator 25.1.

AWARDS AND HONORS

- Research Excellence Award 2023 by UNC Gillings School of Global Public Health.
- Policy Communication Fellowship 2019–2020, by Population Reference Bureau (PRB).
- Doctoral Merit Assistantship 2016–2020, by the University of North Carolina at Chapel Hill.
- Australian Leadership Award 2009, by the Government of Australia.
- Young Scientist Award 2008, by INDEPTH Network.
- Master of International Public Health with Merit in 2006, by the University of Sydney.
- Australian Development Scholarship 2005, by the Government of Australia.
- ISRT Scholarship 1997–1998, by the University of Dhaka.

PROFESSIONAL MEMBERSHIP

- American Public Health Association (APHA), URL: <http://www.apha.org/>
- North Carolina Public Health Association (NCPHA), URL: <https://ncpha.memberclicks.net/>
- Population Association of America (PAA), URL: <http://www.populationassociation.org/>
- International Union for the Scientific Study of Population (IUSSP), URL: <http://www.iussp.org>
- Global Implementation Society (GIS), URL: <https://globalimplementation.org>
- Bangladesh Statistical Association (BSA), URL: <http://isi.cbs.nl/statsoc/bangladesh2.htm>

REFERENCES

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DECLARATION

I certify that all the information in this curriculum vitae is accurate and complete to the best of my knowledge. I authorize the authority to verify the information provided in this resume.

Dated: 03 June 2024


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(Karar Zunaid Ahsan)