

## CURRICULUM VITAE

### **Address:**

**Mian B. Hossain**

Professor of Biostatistics

School of Community Health and Policy

1700 E. Cold Spring Lane

Morgan State University

Baltimore, MD 21251

Phone: 443-885-4132 (Work)

410-842-7100 (Cell)

E-mail: [Mian.Hossain@Morgan.edu](mailto:Mian.Hossain@Morgan.edu)

### EDUCATION

- 2001            PhD, Social Statistics (2001)  
University of Southampton, Southampton, England
- Dissertation title:** Assessment of Family Planning Outreach Workers' Contact and Contraceptive Use Dynamics in Rural Bangladesh using Multilevel Modeling
- 1998            MHS (Masters of Health Science), Population Dynamics  
School of Public Health, Johns Hopkins University, Baltimore, Maryland
- 1988            MS (Masters of Science), Population Planning  
School of Public Health, University of Michigan, Ann Arbor, Michigan
- 1980            MSc (Masters of Science) in Statistics  
Chittagong University, Chittagong, Bangladesh
- 1978            BSc (Bachelor of Science) with honors in Statistics  
Chittagong University, Chittagong, Bangladesh

### LIST OF COURSES TAUGHT/TEACHING FOR MASTERS AND DOCTORAL LEVEL STUDENTS:

1. Introduction to Biostatistics (4 credit hours)
2. Advanced Biostatistics Methods (4 credit hours)
3. Biostatistics-II (3 credit hours)
4. Biostatistics-III (3 credit hours)
5. Introduction of SAS Programming (3 credit hours)
6. Application of Statistical Packages in Public Health (3 credit hours)
7. Doctoral Dissertation Guidance (3 credit hours)
8. Nursing Research and Statistics (3 credit hours)

## **LIST OF UNDERGRADUATE COURSES TAUGHT:**

1. Statistics (Nutritional Science Program, NUSC468.101 (3 credit))
2. Statistics for Health Sciences, HLTH468.001 (3 credit)

## **PROFESSIONAL EXPERIENCE**

**08/2012- to date Professor of Biostatistics**, School of Community Health and Policy, Morgan State University, Baltimore, Maryland.

Responsibilities: Teaching all three Masters and doctoral level Biostatistics courses offered in the School of Community Health and Policy (SCHP), Morgan State University. In addition to teaching Biostatistics courses, I am advising doctoral students and doctoral candidates in the Public Health Program. I am also providing guidance and advise to most of our doctoral candidates in the Public Health on sampling design, sample size determination and analytical techniques that they need to use during their data analysis for doctoral dissertation. I am also teaching courses on how to use SAS, STATA and other statistical software. I am also teaching a course on “Nursing Research and Statistics” for Maters of Nursing students.

**08/2007- 07/2012 Associate Professor of Biostatistics**, School of Community Health and Policy, Morgan State University, Baltimore, Maryland.

Responsibilities: Taught all three Masters and doctoral level Biostatistics courses offered in the School of Community Health and Policy (SCHP), Morgan State University. In addition to teaching Biostatistics courses, I advised doctoral students and doctoral candidates in the Public Health Program. I also provided guidance and advise to most of our doctoral candidates in the Public Health on sampling design, sample size determination and analytical techniques that they needed to use during their data analysis for doctoral dissertation.

**03/2007** Promoted to Associate Professor with Tenure based on application/dossier package submitted in September 2006.

**08/2001– 07/2007 Assistant Professor of Biostatistics**, School of Public Health and Policy, Morgan State University, Baltimore, Maryland.

Responsibilities: In addition to teaching Biostatistics courses, I advised doctoral students in the Public Health Program. I also provided guidance and advised most of our doctoral candidates in the Public Health on sampling design, sample size determination and analytical techniques that they needed to use during their data analysis for doctoral dissertation.

**I was the interim-team leader for Public Health Analysis Department in**

## **Public Health Program.**

**02/1998 – 10/1998 SAS Programmer/Data Analyst**, Department of Maternal and Child Health, Johns Hopkins University, Baltimore, Maryland

Responsibilities: To analyze data for the research to investigate ‘what the African American in the United States eat and drink’ using 1994-96 Continuing Survey of Food Intakes by Individuals (CSFII) and Diet and Health Knowledge Survey (DHKS) collected by Food Surveys Research Group, U.S. Department of Agriculture (USDA).

**07/1994 –09/1996 Assistant Scientist**, International Centre for Diarrhoeal Disease Research, Bangladesh (ICDDR,B)

Responsibilities: Analyze, disseminate and publish policy driven papers/articles, coordinate and manage the Sample Registration System, a longitudinal surveillance system of ICDDR,B in 6 rural underserved communities to monitor the impact of interventions of ICDDR,B, manage and analyze data using SAS and to provide statistical and computing assistance to the Project's researchers and scientist in analyzing data, coordinate and supervise all cross-sectional surveys conducted in ORP field sites. Supervise almost 50 data collection, data management, and data computerization staff.

**06/1984–06/1994 Statistician-Demographer**, International Centre for Diarrhoeal Disease Research, Bangladesh (ICDDR,B)

Responsibilities: Coordinate longitudinal data collection and management, data documentation, data analysis using SAS and report writing for the policy makers.

**02/1982–05/1984 Statistical Officer/Senior Statistical Officer**, International Centre for Diarrhoeal Disease Research, Bangladesh (ICDDR,B).

Responsibilities: Coordinate data collection and management, data documentation, data analysis using SAS and prepare statistical tables.

**07/1981– 01/1982 Statistical Officer**, Ministry of Port, Shipping and Inland Water Transport, Government of Bangladesh.

Responsibilities: Prepare statistical reports and monitor and evaluate the activities of 6 different agencies under the Ministry of Port, Shipping and Inland Water Transport.

**02/1981–06/1981 Statistician**, Bangladesh Rural Advancement Committee (BRAC)

Responsibilities: Supervise data collection and management and prepare

statistical and analytical reports.

**I have been using SAS (9.4) and STATA (15.1) for many years. Currently, I am analyzing large-scale complex survey data such as, NSFG, Add Health, NHANES, NSDUH, BRFSS, NHIS, PATH, NYTS, etc. I know how to use SAS Enterprise and received certificate from CMS and SAS.**

***Teaching Assistant***

January 1999 - December 2000

Department of Social Statistics, University of Southampton, Southampton, England

***Research Assistant***

January 1997- March 1998

Department of Population Dynamics, Johns Hopkins University, Baltimore, Maryland

***Teaching Assistant***

January 1997 - August 1997

Department of Biostatistics, Johns Hopkins University, Baltimore, Maryland

***Teaching Assistant***

March 1997-August 1997

Department of Population Dynamics, Johns Hopkins University, Baltimore, Maryland

**SUMMER INSTITUTES CONDUCTED AT MORGAN STATE UNIVERSITY:**

1. Organized and conducted **Summer Institute on Biostatistics Methods, Regression Analysis, Multilevel Modeling and Longitudinal Data Analysis using STATA for four weeks in SCHP at Morgan State University in Summer 2011.**
2. Organized and conducted **Summer Institute on Biostatistics Methods and Data Analysis for four weeks in SCHP at Morgan State University in Summer 2010.**
3. **Organized and conducted** a Summer Workshop on Applied Longitudinal Data Analysis for two weeks in SCHP at Morgan State University in 2005.
4. **Organized and conducted** a Summer Workshop on Applied Longitudinal Data Analysis for a week in SCHP at Morgan State University in 2004.

**[Participants of the above mentioned workshops were undergraduate students, graduate students and faculty from MSU, graduate students from Johns Hopkins University, graduate students from University of Maryland, graduate students from Coppin State University (Maryland) and researchers from NIH and MSU]**

**BIOSTATISTICAL TRAINING WORKSHOP CONDUCTED IN AFRICA:**

1. **Offered a two-week** long Biostatistics teaching workshop for AIDSRelief/PEPFAR program staff in Abuja, Nigeria, organized by University of Maryland, School of Medicine. 2011.

2. **Offered a one-week** long Biostatistics teaching workshop for AIDSRelief/PEPFAR program staff in Abuja, Nigeria, organized by University of Maryland, School of Medicine. 2010.
3. Offered a two-week **long Biostatistics teaching workshop for medical graduate residents in Lusaka, Zambia, organized by University of Maryland, School of Medicine. July 2009.**
4. Offered a one-week **long Biostatistics teaching workshop for medical graduate residents in Lusaka, Zambia, organized by University of Maryland, School of Medicine. February 2009.**
5. Facilitated as an Instructor **to an International Longitudinal Data Analysis Workshop for a week in Accra, Ghana organized by INDEPTH NETWORK in 2008.**

## PUBLICATIONS

### Peer Reviewed Journals:

- Erin Zisman, **Mian B. Hossain**, Nicholas Funderburg, Robert Christenson, Shana Burrowes, Allison Hays, Jean Jeudy, Nivya George, Yutaka Tagaya, Michael L Freeman, Heather Rebuck, Sarah Mitchell, Michael Miller, Shashwatee Bagchi. “Association of Lipoprotein (a) with Peri-coronary Inflammation in Persons with and without HIV Infection”. 2024. In press (accepted for publication).
- Michael L. Freeman, **Mian B. Hossain**, Shana A. B. Burrowes, Jean Jeudy, Ryan Bui, Daniela Moisi, Sarah E. Mitchell, Mariam Khambaty, Robert G. Weiss, Michael M. Lederman, Shashwatee Bagchi. “Association of soluble markers of inflammation with peri-coronary artery inflammation in people with and without HIV infection and without cardiovascular disease” 2023. 2023 Jun 27;10(8):ofad328. doi: 10.1093/ofid/ofad328. eCollection 2023 Aug.
- Rifath Ara Alam Barsha, Shervin Assari, **Mian B. Hossain**, Jummai Apata, Payam Sheikhattari. 2023. Black Americans’ Diminished Return of Educational Attainment on Tobacco Use in Baltimore City. *Journal of Racial and Ethnic Health Disparities* (2023) 10:3178–3187 <https://doi.org/10.1007/s40615-023-01805-0>.
- Artem Shmelev, Anna Axentiev, **Mian B. Hossain**, Steven C. Cunningham. “Predictors of same-admission cholecystectomy in mild acute biliary pancreatitis”. *Journal of Hepato Pancreato Biliary (HPB)*. HPB (Oxford). 2021 Nov; 23(11):1674-1682. doi: 10.1016/j.hpb.2021.04.002.
- Kesha Baptiste-Roberts, Niya Werts, Kimberly Coleman and **Mian Hossain**. “*Religious Beliefs, Treatment Seeking, and Treatment Completion among Persons with Substance Abuse Problems*”. 2021 Jan; 13(1): 9–17. doi: [10.22122/ahj.v13i1.293](https://doi.org/10.22122/ahj.v13i1.293)
- Alexander CS, Raveis VH, Karus D, Carrero-Tagle M, Lee MC, Pappas G, Lockman K. PharmD MA<sup>5</sup>, Brotemarkle R, Memiah P, Mulasi I, **Hossain MB**, Welsh C, Henley Y, Piet L, N’Diaye S, Murray R, Haltiwanger D, Smith CR, Flynn C, Redfield RR, Silva CL, Amoroso A, Selwyn P. Early Use of the Palliative Approach to Improve Patient Outcomes in HIV Disease: Insights and Findings from the Care and Support Access (CASA) Study 2013-2019. *Am J Hosp and Pall Med* 2020. Sage Publication.

- Barsha RAA, **Hossain MB**. Trouble Sleeping and Depression Among US Women Aged 20 to 30 Years. *Prev Chronic Dis* 2020;17:190262. DOI: [https://doi.org/ 10.5888/pcd17.190262](https://doi.org/10.5888/pcd17.190262)
- Charlotte Nwogwugwu, **Mian Hossain**, Yvonne Bronner, Yolanda Ogbolu. Examining the Health Belief Model Risk Factors on PrEP Use Among African-American Women Ages 20–44 The journal of the national black nurses as sociation, December 2019. Volume 30 Number 2
- Baptiste-Roberts K, **Hossain M**. Socioeconomic Disparities and Self-reported Substance Abuse-related Problems. *Addict Health* 2018; 10(2): 112-22.
- Mian B. Hossain**, Yvonne Bronner, Sabriya Dennis, and Ifeyinwa Udo. (2019). “Association between number of sexual partners and utilization of reproductive health and sexually transmitted infection services by men ages 15-44 in the US.” *Journal of Biosocial Science*, Cambridge University Press. England.
- Mian B Hossain**, Ifeyinwa E. Udo and James F. Phillips. (2019). “Association between Spousal Violence and the Incidence of Acute Respiratory Infection among Children under Five: Random-Effect Modeling Using Data from Nigeria and Bangladesh.” *Journal of Biosocial Science*, Cambridge University Press. England. Doi:10.1017/S0021932018000329.
- Antoinette Percy-Laurry, Sean F. Altekruse, **Mian B. Hossain**, Anne Marie O’Keefe, Norman J. Johnson, Farin Kamangar. (2018). “Association Between Socioeconomic Status and Tumor Grade Among Black Men with Prostate Cancer.” *Journal of The National Medical Association* Vol 110, No 1, February 2018.
- Shashwatee Bagchi, Shana AB Burrowes, Lori E Fantry, **Mian B Hossain**, Gemechis H Tollera1, Shyamasundaran Kottilil1, C David Pauza1, Michael Miller, Mona Baumgarten and Robert R Redfield. (2017). "Factors associated with high cardiovascular risk in a primarily African American, urban HIV-infected population." *SAGE Open Medicine* Volume 5: 1–9. DOI: 10.1177/2050312117725644. [journals.sagepub.com/home/smo](http://journals.sagepub.com/home/smo)
- Jamei Mignano, S. Yewande, **Mian B. Hossain**, R. Alexandra, P. James, S. Derek and Robert R Redfield. (2016). “Preparing the Future: An inter-professional approach to prepare future health and service-delivery professionals to attain an AIDS-free generation” *Journal of Inter professional Education & Practice*. 4 (2016)1-8.
- Mian B. Hossain**, Yvonne Bronner, Sabriya Dennis, and Ifeyinwa Udo. (2016). “Racial Disparities in Unmet Need for Family Planning among Men Ages 15– 44 in the United States.” *Journal of Health Care for the Poor and Underserved*, Volume 27.3, August 2016, pp. 1464-1483.
- Ifeyinwa E. Udo, Phyllis Sharps, Yvonne Bronner and **Mian B. Hossain**. (2016). “Maternal Intimate Partner Violence: Relationships with Language and Neurological Development of Infants and Toddlers.” *Matern Child Health J*. DOI 10.1007/s10995-016-1940-1. March 18, 2016. Springer Science+Business Media New York 2016. [Senior author]
- Shashwatee Bagchi1, Pankti Patell, Rawan Faramand, Shana Burrowes, **Mian B. Hossain**, Shyamasundaran Kottilil, Michael Miller, Lori E. Fantry and Robert R. Redfield.( 2015). “Underutilization of Statins for Prevention of Cardiovascular Disease among Primarily

African-American HIV-Infected Patients.” *J AIDS Clin Res* 6: 499. doi:10.4172/2155-6113.1000499.

Abdallah Ibrahim, Anne Marie O’Keefe, Anita Hawkins, **Mian B. Hossain**. (2014). “Levels and Determinants of Low Birth Weight in Infants Delivered Under the National Health Insurance Scheme in Northern Ghana.” *Maternal Child Health J* DOI 10.1007/s10995-014-1628-3. [Senior Author]

**Mian B. Hossain**, Saifuddin Ahmed, Laurencia Rogers. (2014). “Does a Wife’s Education Influence Spousal Agreement on Approval of Family Planning? Random-effects Modeling Using Data from Two West African Countries.” *Journal of Health Care for the Poor and Underserved*, Volume 25.2, May 2014, pp. 562-576.

**Mian B. Hossain**, Peter Memiah, Adeyemi Adeyinka. (2014). “Are Female College Students Who are Diagnosed with Depression at Greater Risk of Experiencing Sexual Violence on College Campus?” *Journal of Health Care for the Poor and Underserved*, Volume 25.3, August 2014, pp. 1341-1359.

Sherine R. Brown, **Mian B. Hossain**, Yvonne Bronner. (2014). “African American Male and Female Student Perceptions of Pulvers Body Images: Implications for Obesity, Health Care, and Prevention”. *Journal of Health Care for the Poor and Underserved*, Volume 25.3, August 2014, pp. 1328-1340.

David J. Riedel, Evelyn Ivy W. Mwangi, Lori E. Fantry, Carla Alexander, **Mian B. Hossain**, C. David Pauza, Robert R. Redfield and Bruce L. Gilliam. (2013). “High cancer-related mortality in an urban, predominantly African–American, HIV-infected population”. *AIDS* 2013, 27:1109-1117.

Francesco Marinucci, Mtebe Majigo, Matthew Wattleworth, Antonio Damiano Paterniti, **Mian B. Hossain** and Robert Redfield.( 2013). “Factors affecting job satisfaction and retention of medical laboratory professionals in seven countries of Sub-Saharan Africa.” *Human Resources for Health* 2013, 11:38.

Peter Memiah, Constance Shumba, Martine Etienne-Mesubi, Solomon Agbor, **Mian B. Hossain**, Patience Komba, Mercy Niyang, and Sibhatu Biadgilign. (2013). “The Effect of Depressive Symptoms and CD4 Count on Adherence to Highly Active Antiretroviral Therapy in Sub-Saharan Africa.” *Journal of the International Association of Providers of AIDS Care (JIAPAC)* published online 10 October 2013

Sherine R. Brown, **Mian B. Hossain**, Ivis T. Forrester. (2013). “Associations Between Cholesterol, Colon Cancer Screening, Behavior, and Diet.” *Am J Health Behav.* 2013; 37(3):360-368.

Nūn Sava-Siva Amen-Ra, Eduardo Velasco-Mondragon, **Mian B. Hossain**, Yvonne Bronner. (2012). “Energy Expenditure Differs between Black and White Americans: Implications for Obesity Prevention Research.” *Food and Nutrition Sciences*, 2012, 3, 914-924.

Maryam Keshtkar-Jahromi, Seyed-Mostafa Razavi, Sharareh Gholamin, Marzieh Keshtkar-Jahromi, **Mian B. Hossain**, Mohammad M. Sajadi. (2012). “Medical Versus Medical and Surgical Treatment for Brucella Endocarditis”. *Ann Thorac Surg.* 2012; 94: 2141-2146.

Anthony Amoroso, Martine Etinne-Mesubi, Anthony Edozien, Sylvia Ojoo, Robert Sheneberger, Michael Obiefune, **Mian B. Hossain**, Kristen Stafford, Robert R Redfield. (2012).

- “Treatment outcomes of recommended first-line antiretroviral regimens in resource-limited clinics.” *J Acquir Immune Defic Syndr*. 2012 Jul 1;60 (3):314-20 22343178.
- Tasha Peart, H. Eduardo Velasco, Deborah Rohm-Youth, Yvonne Bronner, **Mian B. Hossain**. (2011). “Weight Status in US Youth: The Role of Activity, Diet, and Sedentary Behaviors.” *American Academy of Health Behavior*, 35(6): 756-766. [Senior Author]
- Jessica D. Gipson, **Mian B. Hossain**, and Michael A. Koenig. (2011). “Measurement of and Trends in Unintended Birth in Bangladesh, 1983-2000.” *Journal of Health, Population and Nutrition*. **Oct 29(5)**.
- Mohammad M. Sajadi, Y. Guan, AL Devico, MS Seaman, **Mian B. Hossain**, GK Lewis, Robert R. Redfield. (2011). “Correlation between circulating HIV-1 RNA and broad HIV-1 neutralizing antibody activity.” *Journal of Acquired Immune Deficiency Syndromes*. May 1;57(1):9-15.
- Martine Etienne, L. Burrows, B. Osotimehin, T. Macharia, **Mian B. Hossain**, Robert R. Redfield and Anthony Amoroso. (2010). “Situational analysis of varying models of adherence support and loss to follow up rates; findings from 27 treatment facilities in eight resource limited countries.” *Tropical Medicine & International Health*. Volume 15. Issue s1, Pages 76-81.
- Martine Etienne, **Mian B. Hossain**, Robert R. Redfield, Kristen Stafford, and Anthony Amoroso. (2010). “Indicators of Adherence to Antiretroviral Therapy Treatment Among HIV/AIDS Patients in 5 African Countries”. *Journal of the International Association of Physicians in AIDS Care (JIAPAC)*. March-April 2010.
- Emma K. Williams, **Mian B. Hossain**, Ravendra K. Sharma, Vishwajeet Kumar, Chandra M. Pandey, and Abdullah H. Baqui. (2008). “Birth Interval and Risk of Stillbirth or Neonatal Death: Findings from Rural North India”, *Journal of Tropical Pediatrics*, 54(5): 321-327.
- Mian B. Hossain**, James F. Phillips, and Tom Legrand. (2007) “The Impact of Childhood Mortality on Fertility in Six Rural Thanas of Bangladesh.” *Demography*, 44(4): 771-784. **November 2007**.
- Mian B. Hossain**, James F. Phillips, and ABM K Mozumder (2007) “The effect of husbands' fertility preferences on couples' reproductive behaviour in rural Bangladesh.” *Journal of Biosocial Science*. 39(5): 745-57, Oxford University Press. **September 2007**.
- Mian B. Hossain**, James F. Phillips, and Brian Pence (2007) “Does Women’s Status Affect Infant and Child Mortality? Evidence from Four Rural thanas of Bangladesh”. *Journal of Biosocial Science*. 39, 355-366, Oxford University Press. **May 2007**.
- Yvonne L. Bronner, Anita S. Hawkins, Mikasa L. Holt, **Mian B. Hossain**, Randolph H. Rowel, Kim L. Sydnor; & SP Divers. (2006). “Models for Nutrition Education to Increase Consumption of Calcium and Dairy Products among African Americans”. *The Journal of Nutrition*. 136:1103-1106.
- Stan Becker, **Mian B. Hossain** & E. Thomson (2006) “Disagreement in Spousal Reports of Current Contraceptive Use in Sub-Saharan Africa”. *Journal of Biosocial Science*, 38, 779-796, Oxford University Press.
- Mian B. Hossain** (2005) “Analyzing the Relationship Between Family Planning Workers’



- Contact and Contraceptive Switching in Rural Bangladesh using Multilevel Modelling". *Journal of Biosocial Sciences*. September 2005. 37, 5: 529-554, Oxford University Press.
- Mian B. Hossain**; Barkat-e-Khuda, and James F. Phillips (2004) "The Effects of Outreach on Perceived Quality of Care in Two Rural Areas of Bangladesh". *Journal of Biosocial Sciences*. September 2004. 36, 5: 507-522. Oxford University Press.
- Michael A. Koenig, Saifuddin Ahmed, **Mian B. Hossain**, ABM K. Mozumder. (2003) "Women's Status and Domestic Violence in Rural Bangladesh: Individual- and Community- Level Effects." *Demography*, 40, 2:269-288.
- James F. Phillips and **Mian B. Hossain**. (2003) "The Impact of Household Delivery of Family Planning Services on Women's Status in Bangladesh". *International Family Planning Perspectives*. 29, 3: 138-45.
- Yvonne Bronner, Elen Harris, A. Tobby, **Mian B. Hossain**. (2000) "Historical Assessment of Nutrition Studies Using Only African American Study Subjects: Gender, Socio-economic Status, and Geographical Location". *Ethnicity and Disease*.
- Mary Arends-Kuenning, **Mian B. Hossain** and Barkat-e-Khuda (1999) "Effects of Family Planning Worker's Contact on Fertility Preferences in Bangladesh". *Studies in Family Planning*, 30, 3:183-192.
- Sean L. Curtis and **Mian B. Hossain** (1998) "The Effect of Aridity Zone on Child Nutritional Status". West Africa Spatial Analysis Prototype Exploratory Analysis. Macro International Inc., Calverton, Maryland, USA, September 1998.
- Michael A. Koenig, **Mian B. Hossain** and Maxine Whittaker (1997) "The Influence of Quality of Care upon Contraceptive Use in Rural Bangladesh". *Studies in Family Planning*, 28, 4:278-289.
- Mian B. Hossain** and James F. Phillips (1996) "The Impact of Outreach on the Continuity of Contraceptive Use in Rural of Bangladesh". *Studies in Family Planning* 27,2:98-106.
- Barkat-e-Khuda and **Mian B. Hossain** (1996) "Fertility decline in Bangladesh: toward an understanding of major causes". *Health Transition Review*, Supplement 6:155-167.
- James F. Phillips, **Mian B. Hossain** and Mary Arends-Kuenning (1996). "The Long-Term Demographic Role of Community-Based Family Planning in Rural Bangladesh". *Studies in Family Planning*, 27, 4:204-219.
- Maxine Whittaker, Rejina Mita, **Mian B. Hossain**; Michael A. Koenig (1996) "Evaluating rural Bangladeshi women's perspectives of quality in family planning services". *Health Care for Women International*. Sep-Oct; 17, 5: 393-411.
- James F. Phillips, **Mian B. Hossain**, Ruth Simmons and Michael A. Koenig (1993). "Worker-Client Exchanges and Contraceptive Use in Rural Bangladesh". *Studies in Family Planning*, 24, 6:329-342.

**Book Chapters:**

- ABM Khorshed Mozumder and **Mian B. Hossain** (2001) "ORP DSS, Bangladesh". In Population and Health in Developing Countries, Chapter 28, vol. 1, Population, Health

and Survival at INDEPTH Sites. Indepth Network. Ghana.

James F. Phillips, **Mian B. Hossain**; AA Z. Huque and Jalal Akbar (1990) "A Case Study of Contraceptive Introduction: Domiciliary Depot-Medroxy Progesterone Acetate Services in Rural Bangladesh." In Demographic and Programmatic Consequences of Contraceptive Innovations, eds., Sheldon J. S., Amy O. T. & Susan M. R. National Academy of Science, Plenum Press.

James F. Phillips, **Mian B. Hossain** and Marge A. Koblinsky (1989) "Improving the Climate of Choice : The Effect of Organizational Change on Contraceptive Behavior in Rural Bangladesh." In Choosing a Contraceptive: Method Choice in Asia and the United States, eds., Rodolfo A. Bulatao, James A. Palmore, and Sandra E. Ward, Westview Press.

***Conference proceedings:***

**Mian B. Hossain** (1988) "Worker-Client Relations and Related Policy Issues in the Bangladesh Family Planning Program" published as conference proceedings, Seminar on Population Policy and Development, Population Reference Bureau, Washington DC. 1988.

***Manuscript under preparation:***

1. Commercial advertising and E-cigarette use among youths
2. Mental health treatment disparities and COVID-19
3. COVID-19 and prenatal care visit during pregnancy
4. By force sex and suicide among female high school students
5. Mobility and depression among young adults
6. Religiosity and approval for abortion
- 7.

**RESEARCH GRANTS AWARDED**

**Principal Investigator**

Received a competitive grant/award from Health Resources and Service Administration (HRSA) for the amount **\$119,966** for a year for conducting secondary data analysis on issues of men's reproductive health service utilization in the United States. **07/01/2023 – 06/30/2024.**

**Co-Principal Investigator**

Received a sub-award from Maryland Department of Health (MDH) for the amount **\$188,000** for six months on creating "Jurisdictional Opioid Vulnerability Index" an assessment and GIS mapping for Maryland using zip code/census tract. **March 2019- August 2019.**

**Principal Investigator**

Received a sub-award from Maryland Department of Health and Mental Hygiene (DHMH) for the amount **\$170,000** for five years on "Minority Health and Health Disparities EMBRACE Grant Evaluation" for evaluating Affordable Care Act utilization for health insurance. **August 2015- July 2020.**

**Principal Investigator**

Received a competitive grant/award from Health Resources and Service Administration (HRSA) for the amount **\$100,000** for a year for conducting secondary data analysis on issues of men's reproductive health service utilization in the United States. **February 2013-January 2014.**

**Principal Investigator**

Received a sub-award from School of Medicine, University of Maryland, Baltimore, for the amount of **\$98,000 (March 2011 - February 2012)**

**Task:** HIV/AIDS patients' epidemiological data analysis collected through PEPFAR from several African and Caribbean countries.

**Principal Investigator**

Received a sub-award from School of Medicine, University of Maryland, Baltimore, for the amount of **\$98,000 (March 2010 - February 2011)**

**Task:** HIV/AIDS patients' epidemiological data analysis collected through PEPFAR from several African and Caribbean countries.

**Principal Investigator**

Received a sub-award from School of Medicine, University of Maryland, Baltimore, for the amount of **\$98,000 (March 2009 - February 2010)**

**Task:** HIV/AIDS patients' epidemiological data analysis collected through PEPFAR from several African and Caribbean countries.

**Principal Investigator**

Received a sub-award from School of Medicine, University of Maryland, Baltimore, for the amount of **\$94,000 (March 2008 - February 2009)**

**Task:** HIV/AIDS patients' epidemiological data analysis collected through PEPFAR from several African and Caribbean countries.

**Principal Investigator**

Received a sub-award from School of Medicine, University of Maryland, Baltimore, for the amount of **\$55,000 (March 2007 - February 2008)**

**Task:** HIV/AIDS patients' epidemiological data analysis collected through PEPFAR from several African and Caribbean countries.

**Principal Investigator**

**Title:** Barriers to utilize family planning services by Hispanic and African American males

**Sponsor:** State Farm Insurance Inc. for the amount of **\$15,000 (May-October, 2006)**

**Principal Investigator**

**Title:** Family Planning Qualitative Needs Assessment in Maryland

**Sponsor:** Maryland Department of Health and Mental Hygiene (DHMH) and Center for Maternal and Child Health (CMCH) for the amount of **\$45,000 (2002-2003).**

**Principal Investigator**

**Title:** Develop and Test a Procedure for Assessing the Impact of Community Based Distribution on Contraceptive Prevalence

**Sponsor:** USAID and North Carolina Evaluation Project, June 1993 -- December 1993.

**Co-Investigator/Data Analyst**

**Title:** The Impact of Quality of Care upon contraceptive Use: Evidence from Longitudinal Data from Rural Bangladesh

**Sponsor:** The Population Council, August 2001 – June 2003.

**Co-Investigator/Data Analyst**

**Title:** Levels, Trends, and Determinants of Unwanted Pregnancies in Rural Bangladesh: Evidence from the ICDDRDB areas.

**Sponsor:** ICDDRDB, Dhaka, Bangladesh, January 2003 – December 2004.

**Biostatistician/Data Analyst**

**Title:** Reducing Ethnic Health Disparities through Oral Health Education (NIH).  
Dr. Yvonne Bronner is the PI

**Sponsor:** Health Resources and Service Administration (HRSA). 2004-2006.

**Biostatistician/Data Analyst**

**Title:** HIV/AIDS Vaccine Trial (HVTN)

Dr. Rena Boss-Victoria is the PI of the subcontract received from Johns Hopkins University. 2003-2004.

**Biostatistician/Data Analyst**

**Title:** Special Population Bioterrorism Initiative

Dr. Randy Rowel is the PI of the grant. 2005

**Biostatistician/Data Analyst**

**Title:** Special Population Bioterrorism Initiative: Grass-root Risk Communication

Dr. Randy Rowel is the PI of the grant. 2006

**PAPERS/ABSTRACTS PRESENTED AT PROFESSIONAL CONFERENCES:**

**(Sorted by Year of Conference Attended: recent years at the top)**

Adewumi F. Oladele, **Mian Hossain**, Aduragbenro Adedapo, and Titilola Akingbola. 2023. The relationship between electronic bullying and suicidal ideation among adolescents in the United States: Vaping as an effect modifier. Paper presented at the Annual Meeting of the APHA 2023, Atlanta, Georgia.

Atia Sharmeen and **Mian Hossain**. 2023. Examining the association between internet e-cigarettes advertising and curious to use e-cigarettes by youths aged 9-19 in the US who never used e-cigarettes. Paper presented at the Annual Meeting of the APHA 2023, Atlanta, Georgia.

**Mian Hossain.** Relationship between frequency of religious practices and attitude towards a woman to have an abortion, adults aged 18 and older in the United States. Paper presented at the Annual Meeting of the APHA 2023, Atlanta, Georgia.

Anthony Emeribe, Tamaraemumoemi Okoro, and **Mian Hossain.** 2023. Assessing the performance of posterior oral and nasal swabs in a point-of-care test for the molecular detection of sars-cov-2. Paper presented at the Annual Meeting of the APHA 2023, Atlanta, Georgia.

Anthony Emeribe, Tamaraemumoemi Okoro, and **Mian Hossain.** 2023. Nephrotoxic and coagulopathic effects of antiretroviral drugs on people living with HIV/AIDS HIV in calabar, Nigeria. Paper presented at the Annual Meeting of the APHA 2023, Atlanta, Georgia.

Anthony Emeribe, Tamaraemumoemi Okoro, and **Mian Hossain.** 2023. HIV testing barriers and facilitators for men who have sex with men in communities of colour and their healthcare providers in the United States: A scoping review. Paper presented at the Annual Meeting of the APHA 2023, Atlanta, Georgia.

**Mian B. Hossain,** Atia Sharmeen and Rifath Ara Alam Barsha. 2022. “Examining the relationship between exposure to social media e-cigarette advertising and current use of e-cigarette by youths aged 9-19 in the US”. Poster presented at the 2022 Annual Meeting of the APHA, Boston.

**Mian B. Hossain.** Moderator, 4027 - Epidemiology and Equity Session I. The Annual Meeting of the APHA, 2022, Boston.

**Mian B. Hossain.** 2023. “Examining mental health treatment disparities among adults aged 18 or older in the United States”. Poster presented at the 2023 Center of Urban Health Disparities (CUHDRI) Meeting at the Morgan State University, Baltimore, Maryland.

Cataria Davis, PhD, MPH, MS, CHES<sup>1</sup>, **Mian Hossain,** PhD, MS, MHS<sup>2</sup>, Tracey Murray, DNP, CRNP, FNP-BC, RN<sup>1</sup>, Lori Harvin, DNP, MSN, RN, CNE, OLC-C<sup>1</sup> and Yolanda Savoy, Ed.D<sup>1</sup> 5019.0 “Association between perceived barriers about COVID-19 and willingness to comply with the COVID-19 prevention guideline using data from Maryland”. Oral presentation made at the Annual Meeting of the APHA, Denver 2021.

**Mian Hossain,** PhD, MS, MHS, Atia Sharmeen, MBBS, MPH and Rifath Ara Alam Barsha, MBBS, MPH *Morgan State University, Baltimore, MD.* 5053.0 Association between commercial advertising and e-cigarette use by youths aged 9-19 in the United States”. Oral presentation made at the Annual Meeting of the APHA, Denver 2021.

Yvonne Bronner, ScD, RD, LD<sup>1</sup>, **Mian Hossain,** PhD, MS, MHS<sup>1</sup>, Jana Goins, MHS<sup>2</sup>, Gloria Ngeno, MPA, DrPH<sup>1</sup>, Colleen S. Wilburn, MPA<sup>3</sup> and Rifath Ara Alam Barsha, MBBS, MPH<sup>1</sup> (1)*Morgan State University, Baltimore, MD,* (2)*Baltimore City Health Department, Baltimore, MD,* (3)*Maryland Department of Health, Baltimore, MD.* 4173.0 “Social determinants of health are a better predictor of infant mortality than race”. Oral presentation made at the Annual Meeting of the APHA, Denver 2021.

Adejare Atanda, Adekunle Adejumo, Michael Duke, Shamola Dye and **Mian Hossain.** “Relationship between prescription opioid misuse and blood pressure in adults, 18-49

- years in the United States”. Paper presented virtually at the Annual Meeting of the APHA 2020.
- Rifath Ara Alam Barsha, Atia Sharmeen, and **Mian Hossain**. “Gender differentials in perceived unmet mental health treatment needs among young adults with and without co-occurring substance use disorders”. Paper presented virtually at the Annual Meeting of the APHA 2020.
- Cataria Davis and **Mian Hossain**. “Assessing food safety readiness among older adults in rural Illinois-2018: Application of the theory of reasoned action and GIS”. Paper presented virtually at the Annual Meeting of the APHA 2020.
- Rifath Ara Alam Barsha, and **Mian Hossain**. “Gender differences in perceived unmet mental health treatment needs and the correlates among young adults in the United States”. Paper presented virtually at the Annual Meeting of the APHA 2020.
- Mian B. Hossain**, Ian Lindong, Atia Sharmeen, and Rifath Ara Alam Barsha. “Association between depression and experience of sexual violence by female high school students in the United States”. Paper presented virtually at the Annual Meeting of the APHA 2020.
- Mian B. Hossain**, Lorece Edwards, Rifath Ara Alam Barsha, and Atia Sharmeen. “Association between physical fighting at school and carried weapons among high school students in the United States”. Paper presented virtually at the Annual Meeting of the APHA 2020.
- Olaoluwa Fajobi, DrPH(c), MPH, MS, CPH and **Mian Hossain**, PhD, MS, MHS, Morgan State University, Baltimore, MD. “Trimester differences in alcohol and marijuana use during pregnancy in the United States: An analysis of the National Survey of Drug Use and Health, 2008–2017”. Poster presentation will be made at the Annual Meeting of the APHA, Philadelphia, November 2-6, 2019.
- Rifath Ara Alam Barsha, MBBS, MPH, Atia Sharmeen, MBBS, MPH and **Mian Hossain**, PhD, MS, MHS, Morgan State University, Baltimore, MD. “Environmental and behavioral correlates of texting-while-driving among high school students in the US”. Poster presentation will be made at the Annual Meeting of the APHA, Philadelphia, November 2-6, 2019.
- Rifath Ara Alam Barsha, MBBS, MPH and **Mian Hossain**, PhD, MS, MHS, Morgan State University, Baltimore, MD. “Association between nonmedical prescription drug use and suicide ideation among adolescents in the United States: Cyberbullying as an effect modifier”. Poster presentation will be made at the Annual Meeting of the APHA, Philadelphia, November 2-6, 2019.
- Mian Hossain**, PhD, MS, MHS, Morgan State University, Baltimore, MD. “Examining the association between serious psychological distress and substance use disorder among veterans age 18-39”. Poster presentation will be made at the Annual Meeting of the APHA, Philadelphia, November 2-6, 2019.
- Session Moderator: **Mian B. Hossain**. 4029.0 - Epidemiology of women's health, Session Moderator at the Annual Meeting of the APHA, Philadelphia, November 2-6, 2019.
- Atia Sharmeen, MBBS, MPH, Rifath Ara Alam Barsha, MBBS, MPH and **Mian Hossain**, PhD, MS, MHS, Morgan State University, Baltimore, MD. “Examining the relationship between sleep difficulties and diabetes among women aged 18-49 in the United States”. Poster presentation will be made at the Annual Meeting of the APHA, Philadelphia, November 2-6, 2019.

- Kesha Baptiste-Roberts, PhD, MPH, **Mian Hossain**, PhD, MS, MHS and Lorece Edwards, DrPH, Morgan State University, Baltimore, MD. "Suicidal ideation and substance abuse among adolescents". Oral presentation will be made at the Annual Meeting of the APHA, Philadelphia, November 2-6, 2019.
- Mian B. Hossain**, PhD, Randy Rowel, PhD and Lorece Edwards, DrPH, Morgan State University, Baltimore, MD. "Examining the relationship between depression and misuse of opioid among youths aged 12-17 in the US". Oral presentation will be made at the Annual Meeting of the APHA, Philadelphia, November 2-6, 2019.
- Atia Sharmeen, Gulam Kibria, and **Mian B. Hossain** (2018). "Examining the Relationship between Sleep Difficulties and Depression among Women Aged 20-30 in the United States." Poster presentation made at NIH 2018 Research Conference on Sleep and the Health of women. October 16-17, 2018 Bethesda, Maryland.
- Rifath Ara Alam Barsha, and **Mian B. Hossain** (2018). "Examining the Relationship between Sleep Difficulties and Diabetes among Women Aged 40-69 in the United States". Poster presentation made at NIH 2018 Research Conference on Sleep and the Health of women. October 16-17, 2018 Bethesda, Maryland.
- Andrea Jackson, **Mian B. Hossain**, Lorece Edwards, Farin Kamangar, and Anne Marie O'Keefe (2018). "Factors Associated with HIV Viral Suppression in Maryland who received Assistance from Ryan White HIV/AIDS Program." Oral presentation to be made at the 2018 Annual Public Health Association (APHA) meeting in San Diego, November 10-14, 2018.
- Ola Fajobi, Kathleen O'Connor, Arif Mahmud, and **Mian B. Hossain** (2018). "Does religious belief play a role in the relationship between residential mobility and marijuana use in the past 12 months among youths aged 12-17 in the US." Poster presentation to be made at the 2018 APHA meeting in San Diego, November 10-14, 2018.
- Sombo Pujeh, **Mian B. Hossain**, and Randy Rowel (2018). "Examination of Attitude and Acculturation factors influencing mental health service receipt among African immigrants in Washington DC metropolitan region". Poster presentation to be made at the 2018 APHA meeting in San Diego, November 10-14, 2018.
- Mian B. Hossain**. (2017) "Are veterans ages 18 or older who suffered from substance use disorder and serious psychological distress receiving mental health treatment?" Oral presentation made at the American Public Health Association (APHA) 2017, Atlanta, Georgia.
- Mian B. Hossain**, Lorece Edwards and Ian Lindong. (2017). "Examining the Associations of Nonmedical Prescription Pain Reliever Use and the Initiation of Heroin Use among Young Adults aged 18 to 25 in the US." Poster presentation made at the APHA 2017, Atlanta, Georgia.
- Oporuiche Ibekwe, Olaoluwa Fajobi, **Mian B. Hossain** and Yvonne Bronner. (2017). "Multicultural answers to problems with ACA (Obamacare) utilization: A qualitative study". Oral presentation made at the APHA 2017, Atlanta, Georgia.
- Kesha Baptiste-Roberts and **Mian B. Hossain**. (2017). "Disparities in Initiation of Prenatal care by Race/Ethnicity". Poster presentation made at the APHA 2017, Atlanta, Georgia.

- Mian B. Hossain** and Kesha Baptiste-Roberts. (2017). "Disparities and self-reported substance abuse problems". Poster presentation made at the APHA 2017, Atlanta, Georgia.
- Mian B. Hossain**, Pamela Davis, Ian Lindong and Kevon-Mark Jackman. (2017). "Mental health consequences of nonmedical prescription drug use among youths aged 12-17 in the US using NSDUH 2004-2013." Oral presentation made at the APHA 2016, Denver, Colorado.
- Kesha Baptiste-Roberts, **Mian B. Hossain**, and Kimberly M. Coleman. (2017). "Religious beliefs, treatment seeking and treatment completion among persons with substance abuse problems." Poster presented at the APHA 2016, Denver, Colorado.
- Mian B. Hossain**, Ian Lindong, Pamela Davis and Enyinnaya Merengwa. (2017). "Are there any disparities in unmet mental health treatment needs for serious mental illness among adults aged 18 or older in the US?" Poster presented at the APHA 2016, Denver, Colorado.
- Lorece Edwards, **Mian B. Hossain** and Ian Lindong. (2017). "Examining the Association of Substance Use Disorders and Mental Illness among Youths Aged 12 to 17 in the US." Poster presented at the APHA 2016, Denver, Colorado.
- Mian B. Hossain** and Ijeamaka Okoye. Social and mental health determinants of cigarette smoking among veterans in the US using 2004-2013 NSDUH data. (2016) Poster presented at the APHA 2016, Denver, Colorado.
- Enyinnaya Merengwa, **Mian B. Hossain** and Ian Lindong. (2016). "HIV Test and Cervical Cancer Screening Among Elderly Women in the United States: Sexual Health Consciousness or a Consequence of Risky Sexual Behavior?" Poster presented at the APHA 2016, Denver, Colorado.
- Jacqueline Watkins, India Johns and **Mian B. Hossain**. (2015). "Relationship between Social Activity Involvement and Marijuana Use in the Past Year among Adolescents 12 to 17 years old in the United States." Oral presentation made at the APHA 2015, Chicago.
- Enyinnaya Merengwa and **Mian B. Hossain** (2015). "Alcohol consumption and dating violence among high-risk urban school youth: What do we know and why should we care." Poster presented at the APHA 2015, Chicago.
- Mian B. Hossain**, Sombo Pujeh, Pamela Davis, Sadhna Khatri and Enyinnaya Merengwa. (2015). "Unmet Need for Treatment of Substance Use Disorders and Serious Psychological Distress among Veterans Using the NSDUH 2004-2013." Poster presented at the APHA 2015, Chicago.
- Kevon-Mark Jackman, **Mian B. Hossain**, Kesha Baptiste-Roberts and Lorece Edwards. (2015) "“Let me see your App!”: A grounded theory exploration of electronic personal health records and HIV/STD prevention conversations at a HBCU." Poster presented at the APHA 2015, Chicago.
- Mian B. Hossain** (2011). "Exploring the relationship between depression and school performance among youths aged 12-17 using NSDUH 2009 data". Poster presented at the Annual Meeting of the American Public Health Association (APHA) October 29- November 2, 2011, Washington, DC.



- Mian B. Hossain** (2011). "Relationship between delinquent behavior at school and initiation of ATOD use among youths aged 12-17". Oral presentation made at the Annual Meeting of the American Public Health Association (APHA) October 29-November 2, 2011, Washington, DC.
- Jeans Santana, Justice Mbizo, Farah Zia, Oluwadamilola Olaku, **Mian B. Hossain**, Jeffrey White (2011). "Complementary and alternative medicine use by Hispanic cancer patients and the impact of acculturation: National Health Interview Survey 2007". Poster presented at the Annual Meeting of the American Public Health Association (APHA) October 29-November 2, 2011, Washington, DC.
- Sherine R. Brown, **Mian B. Hossain**, Yvonne L. Bronner (2011). "Perception of Body Image as a Tool for Health Education to Help Reduce the Obesity Epidemic among HBCU College Students". Poster presented at the Annual Meeting of the American Public Health Association (APHA) October 29-November 2, 2011, Washington, DC.
- Tasha Peart, Eduardo Velasco, Yvonne L. Bronner, Deborah Rohm-Young, **Mian B. Hossain**. (2010). "Association between physical activity, diet, television/video viewing, computer use, and weight status among U.S. adolescents". Poster presented at the Annual Meeting of American Public Health Association (APHA), November 6-10, 2010, Denver, Colorado.
- Mian B. Hossain** (2010). "Relationship between wife's education and spousal agreement on approval of family planning: A comparative analysis between two Sub-Saharan West African Countries". Poster presented at the Annual Meeting of American Public Health Association (APHA), November 6-10, 2010, Denver, Colorado.
- Mian B. Hossain** (2010). "Does participation of ATOD prevention program help youths aged 12-17 in preventing them from using marijuana"? Made oral presentation at the Annual Meeting of American Public Health Association (APHA), November 6-10, 2010, Denver, Colorado.
- Eduardo Velasco, Tasha Peart, **Mian B. Hossain**, Farin Kamangar. (2010). "Demographic and toxic correlates of iron status in US women and children". Paper presented at the Annual Meeting of American Public Health Association (APHA), November 6-10, 2010, Denver, Colorado.
- Mian B. Hossain** (2009). "Mental health treatment disparities among young adults aged 18 to 25 in the United States". Poster presented at the Annual Meeting of American Public Health Association (APHA), November 7-11, 2009, Philadelphia, Pennsylvania.
- Mian B. Hossain** (2009). "Relationship between depression and the initiation of marijuana use among adolescents aged 12-17 in the United States". Made oral presentation at the Annual Meeting of American Public Health Association (APHA), November 7-11, 2009, Philadelphia, Pennsylvania.
- Mian B. Hossain**, Eduardo Velasco, S. Ahmad; and Lakaisha T. Yarber. (2008). "Role of perceived risk of marijuana use in the relationship between perceived availability and the use of marijuana by adolescents aged 12 to 17 in the United States". Poster presented at the Annual Meeting of American Public Health Association (APHA), October 25-29, 2008, San Diego, CA

**Mian B. Hossain** and Lakaisha T. Yarber. (2008). “Mental health treatment disparities among adults aged 18 and older in the United States”. Poster presented at the Annual Meeting of American Public Health Association (APHA), October 25-29, 2008, San Diego, CA

**Mian B. Hossain**, Martine Etienne; Kristen Stafford; and Anthony Amoroso. (2008). “Relationship between Antiretroviral Treatment (ART) knowledge and disclosure of HIV status to support groups among HIV/AIDS patients in Uganda, Kenya and Zambia”. Poster presented at the Annual Meeting of American Public Health Association (APHA), October 25-29, 2008, San Diego, CA

**Mian B. Hossain**, Kim D. Sydnor, IS Obot, and Lakaisha T. Yarber. (2008). “Relationship between depression and the initiation of ATOD use among adolescents aged 12-17 in the United States”. Paper presented at the Annual Meeting of American Public Health Association (APHA), October 25-29, 2008, San Diego, CA

**Mian B. Hossain** (2007). “Interrelationship between ATOD use and depression among adolescents aged 12-17 in the United States.” Poster presented at the Annual Meeting of American Public Health Association (APHA), October 25-29, 2008, November 3-7, 2007, Washington DC