

## Md Raihan Kabir Khan

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### Education

Ph.D. in Social and Behavioral Sciences School of Public Health West Virginia University, Morgantown, WV	2016-2021
Master's in Public Health North Dakota State University, Fargo, ND	2014-2016
Bachelor of Medicine and Surgery (MBBS) (Registered Medical Doctor in Bangladesh) Dhaka Medical College University of Dhaka, Bangladesh	2005-2011

### Certification

- Certified in Public Health (CPH) (NBPHE number 15449)  
Issued by the National Board of Public Health Examiners, USA      December 2018
- Certificate Course of Diabetology (CCD)  
Issued by the Bangladesh Institute of Research and Rehabilitation for Diabetes,  
Endocrine and Metabolic Disorders (BIRDEM)      December 2012
- Registered Medical Doctor (Registration number 58232)  
Issued by the Bangladesh Medical and Dental Council, Bangladesh      April 2012

### University Experience

#### Assistant Professor

Department of Health Sciences  
James Madison University, Harrisonburg, VA      August 2020- present

#### Instructor of Record

School of Public Health  
West Virginia University, Morgantown, WV      August 2019-July 2020

#### Graduate Teaching Assistant

School of Public Health, West Virginia University, Morgantown, WV      August 2017-July, 2019

#### Graduate Rresearch Assistant

Mid Atlantic Region's Public Health Training Center  
School of Public Health  
West Virginia University, Morgantown, WV      February 2019-Present

#### Graduate Research Assistant

Department of Plant Pathology , West Virginia University, Morgantown, WV      August 2016-July 2017

#### Graduate Research Assistant

North Dakota State University, Fargo, ND      August 2014-Jun 2016

Road Dusts: Their Abatement And Impacts On Human Health

**Graduate Research Assistant**

August, 2014 to December, 2015

North Dakota State University, Fargo, ND

Center for Social Research (CSR), Department of Sociology

**Graduate Research Assistant**

December 2015-May 2016

Department of Nursing, North Dakota State University, Fargo, ND

## Coursework

**[Can a Diabetes Self-Management Program Improve Diabetes Distress? Analysis from a Randomized Clinical Trial](#)** 2016-2021

Doctoral dissertation as part of the fulfillment of the requirement of the course of Doctor of Philosophy in Public Health at the West Virginia University

**[Road Dust and Its Effects on Human Health;](#)** 2014-2016

Master's paper as part of the fulfillment of the requirement of the course of Master of Public Health at the North Dakota State University

**Perception of tobacco products usage among the refugee population of the Fargo-Moorhead area;**

2016

A qualitative research project as part of the fulfillment of the requirement of the course of Master of Public Health at the North Dakota State University

**Utilization of MCH services by the Mothers of a rural area of Gazipur District;**

2009

A group research project as a part of the fulfillment of the requirement of the course of Community Medicine, 2nd Professional MBBS Examination for the session 2008-2009

## International Collaboration

**Sanitation and health education in village communities through improved awareness and knowledge of prevention/management of diseases and health promotion (SEVAK) project, Gujrat, India;** 2017-2021

Coordinating project surveillance system and database maintenance

## Research Experience

**Research Trainee**

June 2014-July 2014

**Project Research Physician**

December 2013-May 2014

International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b)

Centre for Child and Adolescent Health (CCAHA)

Project/Program: "Saving of Lives from Drowning (SoLiD)", A collaborative project of the Johns Hopkins International Injury Research Unit (JHIIRU), icddr,b and the Center for Injury Prevention and Research Bangladesh (CIPRB)

**Project Research Physician**

March 2013-November 2013

International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b)

Centre for Child and Adolescent Health (CCAHA)

Project/Program: "Tangail Maternal Newborn and Child Health Program", A collaborative program of [Korea International Cooperation Agency \(KOICA\)](#), UNICEF, Government of Bangladesh, icddr,b and Swanirvar Bangladesh(NGO)

**Medical Officer**

May 2012-March 2013

Obstetrical and Gynecological Society of Bangladesh

Community Based Skilled Birth Attendant (CSBA) Training Program  
Project/Program: “Maternal Neonatal Child & Adolescent Health (MNC&AH) of MNH Program,  
Director General of Health Services, Bangladesh

## Medical Experience

### Intern Medical Doctor

Dhaka Medical College Hospital

April 2011-April 2012

### Presentation and Seminars Attended:

- **American Academy of Health Behavior (AAHB) Annual Meeting, March 2023**

Poster Presentation: **Khan, Raihan**; Jehi, Tony; Zaman, Sojib; Peachey, Andy. Mixed Method Approach Towards the College Students’ Life During the Covid-19 Pandemic: Let Us Be Prepared for the Next One. American Academy of Health Behavior 2023 Scientific Meeting - "The science of identities: measurement and methods for translational health behavior research". San Francisco, CA. March 2023.

- **American Academy of Health Behavior (AAHB) Annual Meeting, March 2023**

Poster Presentation (Co-authored): Kirk, B; Misra, R; **Khan, R**; Davidov, Danielle; Sambamoorthi, U; Burnout Related to Diabetes Distress Among Rural West Virginians Living with Diabetes: A Mixed-Method Analysis. American Academy of Health Behavior 2023 Scientific Meeting - "The science of identities: measurement and methods for translational health behavior research". San Francisco, CA. March 2023.

- **150<sup>th</sup> Annual Meeting and Exposition of American Public Health Association (APHA), November, 2022**

Poster Presentation: [‘Life of College Students during the Covid-19 Pandemic: What We Learned and How to Prepare for the Next One’](#) with Tony Jehi, Dr.PH., Andrew White, Sojib Zaman, Ph.D. (ABD), Andy Peachey, Dr.PH.

- **2022 West Virginia Rural Health Conference, September, 2022**

Poster Presentation: ‘Life of College Students during the COVID-19 pandemic: Prepare for the Future’ with Tony Jehi, Dr.PH, and Andrew Peachey, Dr. PH.

- **Virginia Public Health Association (VPHA) and Virginia Rural Health Association (VRHA) Conference, March 2022**

Poster Presentation: ‘Life During the COVID-19 Pandemic’ with Tony Jehi, Dr.PH, and Andrew Peachey, Dr. PH.

Poster Presentation (Co-authored): ‘Therapeutic Interventions to Improve Gross Motor Function for Children with Spastic Cerebral Palsy’ with Waverleigh Jenkins.

Poster Presentation (Co-authored): ‘Effect of COVID-19 Outbreak on the Diet, Body Weight, and Food Security Status of Students of Higher Education’ with Tony Jehi, Dr.PH.

- **73rd Annual Conference of the Society for Public Health Education, March 2022**

Oral Presentation: ‘Diabetes & Hypertension Self-Management Program and Diabetes Distress’ with Ranjita Misra, Ph.D., Ruchi Bhandari, Ph.D., Danielle Davidov, Ph.D., Sijin Wen, Ph.D., Usha sambamoorthi Ph.D.

- **149<sup>th</sup> Annual Meeting and Exposition of American Public Health Association**

**(APHA)**

Oral Presentation: '[Impact of Diabetes Self-Management Program to Reduce Diabetes Distress Among Adults With Type 2 Diabetes Mellitus In Rural Appalachia](#)', with Ranjita Misra, PhD, Sijin Wen, PhD, Usha Sambamoorthi, PhD.

Oral Presentation: '[Understanding lived experiences, challenges, and distress related to managing diabetes among rural Appalachian adults: A qualitative study](#)', Ranjita Misra, PhD, Brenna Kirk, MPH, Usha Sambamoorthi, PhD, Danielle Davidov, PhD.

Oral Presentation (Co-authored): '[Patient-Provider Communication Regarding Diabetes Self- Management: A Mixed Methods Approach](#)' with Brenna Kirk, PhD, Ranjita Misra, PhD, Usha Sambamoorthi, PhD, Danielle Davidov, PhD.

- **2021 West Virginia Rural Health Conference**

Poster presentation: 'Experiences, challenges and coping skills related to diabetes distress among rural West Virginia adults' with Ranjita Misra, Brenna Kirk, Danielle Davidov.

- **2020 Van Lier Research Conference, West Virginia University**

Poster Presentation: 'Patients Perspective on Diabetes Distress: Qualitative Themes among Adults with Diabetes and Comorbid Hypertension' with Ranjita Misra, PhD, Brenna Kirk, MPH, Danielle Davidov, PhD.

Poster Presentation (Co-authored): 'Exploring Patient-Perceived Facilitators and Barriers to Patient-Provider Communication Regarding Diabetes Self-Management in West Virginia' with Brenna Kirk, MPH, Ranjita Misra, PhD, Danielle Davidov, PhD.

- **148<sup>th</sup> Annual Meeting and Exposition of American Public Health Association (APHA)**

Oral Presentation: '[Patients Perspective on Diabetes Distress: Qualitative Themes among Adults with Diabetes and Comorbid Hypertension](#)' with Ranjita Misra, PhD, Brenna Kirk, MPH, Danielle Davidov, PhD.

Poster Presentation (Co-authored): '[Exploring Patient-Perceived Facilitators and Barriers to Patient-Provider Communication Regarding Diabetes Self-Management in West Virginia](#)' with Brenna Kirk, MPH, Ranjita Misra, PhD, Danielle Davidov, PhD.

Poster Presentation (Co-authored): '[Prevalence and determinants of chronic kidney disease among diabetes patients under different health insurance schemes: Study in rural northeastern Thailand](#)' with Sojib Zaman, MPH, Ms, MBBS, Putthikrai Pramual, MPH, Chinakorn Sujimongkol, MPH, Rafid Zaman, Mohammad Rifat Haider, PhD, MPH, MBBS, Naznin Hossain, Ms, MBBS, Gulam Kibria, PhD, Sheikh Mohammad Shariful Islam, PhD, Sophia Erfe.

- **147<sup>th</sup> Annual Meeting and Exposition of American Public Health Association (APHA)**

Oral presentation: '[Diabetes distress among individuals with diabetes in West Virginia](#)' with Ranjita Misra, PhD. doi: [10.7490/f1000research.1117718.1](https://doi.org/10.7490/f1000research.1117718.1)

Oral presentation (Co-authored): '[Self-Management Program Reduced Diabetes Distress among Rural Appalachian Adults with Multimorbidity: Results from a Randomized Clinical Trial](#)' with Ranjita Misra, PhD, and Usha Sambamoorthi, PhD

- **2019 Global Health Week, West Virginia University**  
Poster Presentation: 'Global Engagement with SEVAK International Project' with Ranjita Misra, PhD, and Thakur Patel, MD. doi: [10.7490/f1000research.1117719](#).
- **2019 WV Rural Health Conference**  
Poster Presentation: 'Predictors of Diabetes Risk Perception Among College Students' with Ranjita Misra, PhD, Samantha Shawley-Brzoska, PhD, Sijin Wen, PhD. doi: [10.7490/f1000research.1117676.1](#)
- **2019 Cardiology Research Day, Heart and vascular Institute, West Virginia University Hospital**  
Poster Presentation: 'College students' perceived risk of diabetes and associated factors' with Ranjita Misra, PhD, Samantha Shawley-Brzoska, PhD, Sijin Wen, PhD
- **2019 Van Liere Research Conference, West Virginia University**  
Poster Presentation: 'College students' perceived risk of diabetes and associated factors' with Ranjita Misra, PhD, Samantha Shawley-Brzoska, PhD, Sijin Wen, PhD. doi: [10.7490/f1000research.1117677.1](#)  
  
Poster Presentation (Co-authored): 'The role of social support from family and friends in the self-management of diabetes and hypertension' with Mahavadi S, BS, Ranjita Misra, PhD, Usha sambamoorthi, PhD, Samantha Shawley-Brzoska, PhD
- **146<sup>th</sup> Annual Meeting and Exposition of American Public Health Association (APHA)**  
Poster presentation: '[Can diabetes self-management program reduce diabetes distress among patients?](#)' with Ranjita Misra, PhD, Sijin Wen, PhD, Usha Sambamoorthi, PhD. doi: [10.7490/f1000research.1117678.1](#)  
  
Poster presentation (Co-authored): '[Association between liver enzymes and BMI categories: C8 Health Project](#)' with Ranjita Misra, PhD, CHES, FASHA, Ruchi Bhandari, PhD, MPA, MBA, Usha Sambamoorthi, PhD, and Alan Ducatman, MD, MSc
- **2018 West Virginia Rural Health Conference**  
Poster Presentation (Co-authored): 'Gender differences in liver function markers by BMI categories in the C8 Health study' with Ranjita Misra, PhD, Ruchi Bhandari, PhD, MPA, MBA, Usha Sambamoorthi, PhD, and Alan Ducatman, MD, MSc. doi: [10.7490/f1000research.1117679.1](#)
- **2018 Van Liere Research Conference, West Virginia University**  
Poster Presentation: [Diabetes Distress among Patients with type II diabetes Mellitus and comorbid hypertension](#) with Sijin Wen, PhD and Ranjita Misra, PhD
- **2017 West Virginia Hunger Summit**

Conducted free HbA1c screening session for the conference attendees

- **2017 Try This West Virginia Conference**

Conducted free HbA1c screening session for the conference attendees

- **2017 Dakota Conference on Rural and Public Health**

Poster Presentation: ‘Perception of Tobacco Product Usage Among the Refugee Populations of the Fargo-Moorhead Area’ with Andrea Huseth-Zosel, PhD

- **2016 Dakota Conference on Rural and Public Health**

Poster Presentation: ‘Road Dust and Its Effect on Human Health: A literature Review’ with Berit Williamschen, Mark Strand, PhD and Jack Norland, PhD.  
doi: [10.7490/f1000research.1117682.1](https://doi.org/10.7490/f1000research.1117682.1)

- **2015 Dakota Conference on Rural and Public Health**

Poster Presentation (Co-authored): ‘Enhancing the Health of Populations Through the Partnership of Public and Medicine’ with Mark A. Strand, PhD and Maggie Carlson

- **143<sup>rd</sup> Annual Meeting and Exposition of American Public Health Association (APHA)**

## Published Peer Reviewed Articles

Jehi, T., **Khan, R.**, Halawani, R., & Dos Santos, H. (2022). Effect of COVID-19 Outbreak on the Diet, Body Weight, and Food Security Status of Students of Higher Education; A Systematic Review. *British Journal of Nutrition*, 1-39. [doi:10.1017/S0007114522002604](https://doi.org/10.1017/S0007114522002604)

Jehi, T., **Khan, R.**, Dos Santos, H. et al. Effect of COVID-19 outbreak on anxiety among students of higher education; A review of literature. *Curr Psychol* (2022).  
<https://doi.org/10.1007/s12144-021-02587-6>

Zaman SB, Gupta RD, Pramual P, **Khan RK**, Sujimongkol C, Hossain N, Haider MR, Karim MN, Kibria GM, Islam SMS. The burden of chronic kidney disease among people with diabetes by insurance schemes: findings from a primary referral hospital in Thailand. *Diabetes Epidemiology and Management*. 2021, 100026, ISSN 2666-9706,  
<https://doi.org/10.1016/j.deman.2021.100026>.

Zaman SB, **Khan RK**, Evans RG, Thrift AG, Maddison R, Shariful Islam SM. Exploring Barriers To, And Enablers Of, The Adoption of Information And Communication Technology For The Care Of Older Adults With Chronic Diseases: A Scoping Review. *JMIR Aging*. [26/09/2021:25251](https://doi.org/10.19180/jm.2021.25251).

Misra R, Shawley-Brzoska S, **Khan R**, Kirk BO, Wen S, Sambamoorthi U. Addressing Diabetes Distress in Self-Management Programs: Results of a Randomized Feasibility Study. *J Appalach Health* 2021;3(3):68–85. DOI: <https://doi.org/10.13023/jah.0303.06>

**Khan, R. K.**; Siraj, M.A.; Khalid, S.; Tabassum, M.; Kheya, H.R.; Zaman, S.B. (2021) Consumption of Sugar-Sweetened Beverages and Their Health Impact on Children. *DiscoveriesReports*, 2020;4: e17. [DOI: 10.15190/drep.2021.2](https://doi.org/10.15190/drep.2021.2)

**Khan RK**, Misra R, Shawley-Brzoska S, Wen S. Predictors of Diabetes Risk Perception Among College Students. [published online ahead of print, 2020 Oct 13]. *J Am Coll Health*. 2020;1-7. doi:[10.1080/07448481.2020.1825222](https://doi.org/10.1080/07448481.2020.1825222)

**Khan RK**, Misra R. Community-Based Participatory Research In Diabetes Prevention Programs. *Social Determinants of Health*. 2019;5(4):70-75. DOI: <https://doi.org/10.22037/sdh.v5i4.28286>

**Khan, R.K.**; Strand, M. (2017) Road Dust And It's Effect On Human Health: A Literature Review. *Epidemiol Health*. 2018; e2018013. doi: <https://doi.org/10.4178/epih.e2018013>

Zaman, S., Hossain, N., Aziz, A., Assche, K., Mittal, N., **Khan, R.**, & Gupta, R. (2017). An Exploration Of The Feasibility Of Introducing Rota Vaccine Into The Routine Epi Schedule Of Bangladesh. *Public Health of Indonesia*, 3(2), 38-40. doi: <https://doi.org/10.36685/phi.v3i2.114>

Zaman, S., Hossain, N., Hussain, M., Abimanue, V., Jahan, N., Zaman, R., Ratan, Z., **Khan, R.**, & Sharmin, S. (2017). Factors Related To Knowledge On Newborn Danger Signs Among The Recently Delivered Women In Sub-District Hospitals Of Bangladesh. *Public Health of Indonesia*, 3(2), 50-60. doi: <https://doi.org/10.36685/phi.v3i2.121>

Zaman, S. B., Hossain, N., **Khan, R. K.**, Setiyadi, N. A., & Pattara, S. (2016). Association Of Universal Health Care And Glycemic Control Among Thai Diabetic Population. *Paper presented at The 16th International Conference of Public Health Sciences "Universal Health Care Coverage: A Global Perspective"*, Bangkok, Thailand, <http://www.iccphs.org/>

## Manuscripts Under Review

(Submitted for peer review) Khan, Raihan; Jehi, Tony; Peachey, Andy; Zaman, Sojib. Life During the COVID-19 Pandemic. *Journal of American College Health*.

(Submitted for peer review) Kirk, Brenna; Misra, Ranjita; **Khan, Raihan**; Davidov, Danielle; Sambamoorthi, Usha. Exploring Facilitators & Barriers to Patient-Provider Communication Regarding Diabetes Self-Management in West Virginia. *PEC Innovation*.

## Technical Report

Strand, M.; Huseeth, A.; **Khan, R.K.**; Williamschen, B. (2018) Respiratory Effects Of Environmental Dust In Oil-Producing Counties In North Dakota And Montana: A Mixed Methods Study. *Link:* [https://www.researchgate.net/publication/322317940\\_Respiratory\\_Effects\\_of\\_Environmental\\_Dust\\_in\\_Oil-Producing\\_Counties\\_in\\_North\\_Dakota\\_and\\_Montana\\_A\\_Mixed\\_Methods\\_Study](https://www.researchgate.net/publication/322317940_Respiratory_Effects_of_Environmental_Dust_in_Oil-Producing_Counties_in_North_Dakota_and_Montana_A_Mixed_Methods_Study)

## Logic Model

Dyer, A.; Daily, S.; Claydon, E.; Davis, S.; **Khan, R.K.**; Thomas, S. (2017) Growing Healthy Communities Logic Model Toolkit. DOI: [10.13140/RG.2.2.12473.72802](https://doi.org/10.13140/RG.2.2.12473.72802)

## Experience as Reviewer

- Abstract reviewer for The American Public Health Association's Annual Meeting and Expo 2017-present
- Abstract reviewer for The Society for Public Health Education 2021-present
- Manuscript reviewer for the Journal Cureus 2018-present

- Manuscript reviewer for the Journal of Medical Research and Innovation (JMRI) 2018-present

## Grants, Scholarships and, Awards

- PI: Research grant for the study “Assessment of air quality/road dust in rural Appalachia: 2nd phase” (PI: Tony-Jehi, Dhanuska Wijesinghe), College of Health and Behavioral Studies, James Madison University (\$5,000) 2022-2023
- Co-PI: Research grant for the study “Explaining the Determinants of First and Second-Hand Exposure to Hookah Smoking Among the Youths” (PI: Tony-Jehi), College of Health and Behavioral Studies, James Madison University (\$3,300) 2022-2023
- PI: First Year & Transfer Student Research Experience (FYRE) Mentorship, James Madison University 2022
- Open access Textbook review by the JMU Libraries, James Madison University 2020
- Research grant for new faculty from the Department of Health Sciences, James Madison University 2021
- Public Health Investigator Award. School of Public Health, West Virginia University 2019-2020
- Outstanding Merit for Continuing Doctoral Students Fellowship, West Virginia University 2019-2020
- WVU School of Public Health Emerging Leader Scholarship, West Virginia University 2019-2020
- WVU School of Public Health Scholarship 2017-2019
- Delta Omega Scholarship for Poster Presentation at Annual Meeting and Exposition of the American Public Health Association (APHA) 2018
- Nancy Sanders GEO Study Abroad Travel Award by The Health Science Center, West Virginia University 2017-2218
- Rocky Mountain Public Health Training Center (RMPHTC) scholarship by The Community Healthcare Association of the Dakotas (CHAD) 2015
- College of Health Profession Scholarship by College Scholarship Recognition Committee, North Dakota State University, Fargo, Nd, USA 2014-2015
- Rocky Mountain Public Health Training Center (RMPHTC) scholarship by The Community HealthCare Association of the Dakotas (CHAD) 2014-2015
- Entire undergraduate study was supported by Scholarship from the Government of Bangladesh 2005-2011

## Mentorship

- Faculty mentor for Relay for Life Organization, James Madison University 2022-present
- Azait Imtiaz, Department of Health Sciences January 2021-Present  
Honors Capstone Project: Risk Factors of Covid-19 Among College Students
- Andrew White, Department of Health Sciences 2022  
[Research Assistant](#)
- Carly Sines, Department of Health Sciences January 2021-May 2022  
Honors Capstone Project: Determining the Effects of Insurance Type, Confidence And Literacy on James Madison University Students’ Access and Utilization of Primary/Preventative Health Care Services
- Waverleigh Jenkis, Department of Health Sciences January 2021-May 2022



Honors Capstone Project: Therapeutic Interventions to Improve Gross Motor  
Function In Children With Spastic Cerebral Palsy

- Megan Brooks, Department of Health Sciences  
First Year Transfer Student Research Awardee  
January 2021-Present
- Sophia Erfe, Department of Health Sciences  
Teaching and [research assistant](#)  
August 2020-May 2022