

NUSRAT ABDULLA

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EDUCATION:

Doctor of Philosophy (Ph.D.) in Interdisciplinary Health Sciences August 2025 – Present
The University of Texas at El Paso (UTEP), El Paso, TX

Research Focus: Health disparities, Healthcare utilization, and Health equity in border populations.

Master of Public Health (MPH) May 2025

Minor: Applied Statistics

New Mexico State University (NMSU), Las Cruces, NM 88001

CGPA: 3.93/4.0

Thesis: *Integrating One Health Approaches for Effective Mpox Outbreak Management: A Systematic Literature Review and Phylogenetic Tree Analysis*

Bachelor of Medicine and Bachelor of Surgery (MBBS) May 2015

Rajshahi Medical College, University of Rajshahi, Rajshahi,
Bangladesh CGPA: 4.0/4.0 (WES evaluation) www.wes.org

RESEARCH EXPERIENCE AND INTEREST:

- Causes, prevention, and management of infectious diseases in underprivileged populations and global health security.
- Design community-based interventions to address Chronic conditions such as diabetes, hypertension, high-impact chronic pain, and Alzheimer's disease, particularly among aging and underserved populations.
- Explore the role of policies in improving healthcare access and outcomes, with a focus on expanding coverage for vulnerable groups, including the U.S.-Mexico border population, homeless individuals, and older adults.
- Study aging-related health challenges and develop culturally appropriate targeted interventions to improve the quality of life for older populations.

MAJOR PROFESSIONAL EXPERIENCES:

Graduate Research Assistant

Interdisciplinary Health Sciences

University of Texas at El Paso, El Paso, TX 79968

August 2025 – Present

- Conduct interdisciplinary health-services and disparities research focused on border-region nursing home quality, insurance status, and health-care utilization patterns among chronic disease populations.
- Develop and implement advanced statistical and geospatial analytics (regression modeling, interaction analysis, ZIP-level prevalence mapping) to examine intersectional health disparities in the U.S.–Mexico border and South Asian/Indian populations.

Graduate Research and Teaching Assistant

August 2022 – May 2025

Department of Public Health Sciences

New Mexico State University (NMSU), Las Cruces, NM 88001

Responsibilities:

- Focused on research related to pain disorders in the U.S., leveraging advanced database searches, interlibrary loan systems, and comprehensive literature reviews under Dr. Jagdish Khubchandani
- Conducted interdisciplinary research projects under Dr. Elizabeth England-Kennedy, including the *One Health Project*, *Mosquito Abatement Comprehensive Intervention Project*, and *Bovine Tuberculosis Study (VAN Project)*.
- Collect and organize data and qualitative and quantitative analysis for the developed questionnaire and research designed by the professors.
- Prepare an evaluation report of the Extreme Heat, Health, and Resiliency Summit, 2024 for Healthy Climate New Mexico.
- Created interdisciplinary bibliographies on contemporary artists, synthesizing resources from art criticism, performance studies, and museum studies, and curated full-text PDFs via NMSU databases, interlibrary loans, and online repositories, collaborating with Dr. Megan Metcalf.

Medical Officer

December 2019 - August 2021

Ventura Leatherware (Mfy) BD Ltd., Uttara Export Processing Zone, Nilphamari, Bangladesh

Responsibilities:

- Tracking, evaluating, and documenting workers' health vitals
- Evaluating the latest health program and research
- Ensuring a safe and effective workplace for workers
- Ensuring compliance with healthcare regulations and safety standards

Honorary Medical Officer (HMO)

May 2016 – December 2019

Shaheed Suhrawardy Medical College Hospital, Dhaka, Bangladesh

Responsibilities:

- Contributing clinical expertise to patient care and providing guidance to junior physicians
- Verifying complex diagnoses and facilitating treatment plans
- Performing administrative duties and risk management
- Ensuring and maintaining the highest standards in patient care

Intern Physician

May 2015 - May 2016

Rajshahi Medical College and Hospital, Rajshahi, Bangladesh

Responsibilities:

- Taking patient histories, examining, and counseling patients
- Conducting medical procedures
- Assisting surgeon in the operation theater

AWARDS AND HONORS:

- HEST Dean's Award for poster presentation in Graduate Research & Arts Symposium, 2023
- Grad Success Award, Graduate School, New Mexico State University, 2025
- Elaine and Mike Rafferty Scholarship, 2025
- Jeffrey E. and Mary T. Brandon Public Health Endowed Scholarship, 2023
- Crimson Scholar Award, New Mexico State University, Spring 2023
- Placed among the top 20% in the Nation-wide Medical Entrance Test, 2009

POSTER PRESENTATIONS:

- **Nusrat Abdulla**, Estefania Rivera, Alberto Salazar, Elizabeth England Kennedy (2023, November). Effective Mosquito Reduction with BTI: A Safe and Environmentally Friendly Approach. Poster presentation at the 2023 New Mexico State University Graduate Research & Arts Symposium at Las Cruces, New Mexico.
- Estefania Rivera, **Nusrat Abdulla**, Alberto Salazar, Elizabeth England Kennedy (2023, November). Empowering Communities: Mosquito Abatement Education. Poster presentation at the 2023 New Mexico State University Graduate Research & Arts Symposium at Las Cruces, New Mexico.
- **Nusrat Abdulla**, Elizabeth England Kennedy (May 1 – 2, 2025). Integrating One Health Approaches for Effective Mpox Outbreak Management at the New Mexico Public Health Association (NMPHA) Conference “Preparation, Prevention, and Protection in Community”.
- **Nusrat Abdulla**, Elizabeth England Kennedy (April 2025). One Health Approach in Mpox Outbreak Management: Integrating Human, Animal, and Environmental Health. New Mexico State University Graduate Research & Arts Symposium at Las Cruces, New Mexico.

PROJECT WORKS:

- The Detrimental Impact of Per- and Polyfluoroalkyl Substances (PFAS) on New Mexico’s Environmental Health, 2024
- A Condom-Use Intervention Based on the Theory of Planned Behavior (TPB) for African American Young Women in Jackson, Mississippi, Spring 2023
- Fast Food Consumption among High School Students in New York City Based on the Theory of Planned Behavior, Fall 2022
- Cervical Cancer Screening Awareness Program for Hispanic Women, Fall 2022
- A Survey Report On “Blood Pressure Status and Associated Risk Factors for Hypertension Among the Adult Population”, 2015
- A Survey Report On “Nutrition Status of Under Five Years Old Children”, 2014
- A Report on Community Survey “Reproductive Health, Child Health, Communicable Diseases, and Limited Curative Care”, 2014

PUBLICATIONS:

- **Abdulla, N.**, England Kennedy, E., Hernández-Gómez, O., Latz, I. K. (In press). Integrating One Health Approaches for Effective Mpox Outbreak Management: A Systematic Literature Review and Phylogenetic Tree Analysis. Accepted by *The Evidence Journal*.
- Cabrero Castro, J. E., Rojas-Alvarez, A., **Abdulla, N.** (Under review). Intersecting Gender, Education, and Caste in Health-Care Use Among Middle-Aged and Older Adults in India: Jackson-Style Disparities in LASI. *International Journal for Equity in Health*.
- Rojas-Alvarez, A., Cabrero Castro, J. E., **Abdulla, N.**, & Pradhan, R. Nursing Home Quality Disparities in the Predominantly Hispanic U.S.–Mexico Border: Structural and Geographic Insights. *Journal of Aging and Health*. Manuscript submitted.

TRAINING AND CERTIFICATIONS:

- Mixed Method Research Program, 2023 and 2024
- QPR Suicide Prevention Gatekeeper Program, 2023
- Adult Mental Health First Aid Training, 2023
- CITI Program- Social and Behavioral Research Basic Course, 2024
- CITI Program- IRB Review of Observational Research Basic course. 2024
- NCHEC training- Key Insights of Violation Reduction, 2022
- Article review in the Journal of Medicine, Surgery, and Public Health, 2023
- CDC TRAIN Introduction to Policy Analysis in Public Health, 2024 and 2025
- Abriendo Puertas/Opening Doors Leadership Certification, 2025

COMPUTER SKILLS:

- Microsoft Office (Word, Excel, PowerPoint, etc.)
- Database Management using SPSS in univariate, bivariate, and multivariate analysis
- Programming (R Studio, SAS, StatCrunch, SPSS, NVivo, Basic Python, STATA)
- Desktop Publishing using Canva