I have over four years of experience working in health-related program monitoring, evaluation, and research for numerous reputable organizations, including Green Hill-Community Partners International, Food for the Hungry, and Partners in Health & Development. As a result, I have a firm understanding of the critical role that advanced academic training plays in addressing evolving health issues by using **statistical techniques**. This broad professional background has brought attention to the necessity of bridging the gap between superior research skills and real-world experience. In order to advance this integration, my objective is to seek a PhD in **Biostatistics** at **YYYY** University. My academic journey, rooted in statistics for both undergraduate and postgraduate studies, has shaped my analytical prowess and instilled in me a penchant for rigorous data exploration. Yet, it’s the intersection of statistics with the realm of **public health** that ignites my passion. Since I embarked on the pursuit of advanced studies in **public health**, I am thrilled by the prospect of contributing my expertise to **YYYY** University. Pursuing a PhD in **Biostatistics** at **YYYY** University aligns perfectly with my short-term and long-term goals. In the short term, I aim to enhance my skills in applying **Biostatistics** to conduct impactful and innovative research. In the long run, I hope to be in charge of a research lab that advances statistical methodology and design, trains the next generation of researchers, and fosters a cooperative research atmosphere. My passion to continue learning and research is fueled by the advice and support of academic mentors and experts, who inspire me to achieve success in **Biostatistics**.

I have experience working on a variety of health projects as a Monitoring and Evaluation (M&E) Officer (Health) at Monitoring, Evaluation, and Research Team in Humanitarian Response, under the Joint Rohingya Response Program (JRP)/Forcibly Displaced Myanmar Nationals (FDMN) Response Program. With the practical expertise I've gained in research activities, data analysis, and program implementation. From this job, I am better equipped to solve issues through social mobilization, advocacy, and communication. Managing intricate datasets and seeing healthcare issues directly have strengthened my desire to make a significant contribution to the profession. I supervise M&E processes for health programs, managing paper-based toolkits and ensuring timely, accurate data submissions. I develop M&E tools, prepare dashboards, and produce reports while adhering to data security policies. I provide training on M&E and statistical software, supervise data collection, and ensure quality. In research, I support statistical project development, create data collection plans, and manage data analysis. I design and implement data management activities, prepare analytical reports, and ensure research quality. My strong analytical skills, proficiency in statistical software, and ability to work independently and under pressure are key to my role. My participation has also strengthened my confidence in my ability to come up with workable ideas on my own.

My background in statistics, which was reinforced by graduate and undergraduate coursework, has given me a solid analytical toolkit that is essential for **biostatistics and public health** research. My interest in the nexus between statistics and **public health** sparked my initial foray into health research, and this fascination has only grown over time. I began my academic career at Shahjalal University of Science and Technology (SUST) in Sylhet, where I studied both basic and advanced statistics courses, earning a Bachelor of Science in Statistics. Specifically, my third-year coursework in statistical computing was essential to the development of my practical skills. Through teamwork with the SUST Research Center and the Department of Statistics, pursuing a Master's (MS) degree significantly improved my **biostatistics** expertise. In my MS program, I gained expertise in advanced statistical methods, including statistical inference, multivariate analysis, time series analysis, **biostatistics**, demography, and data mining. Furthermore, I became more proficient in statistical programming languages like SAS, Stata, R, and Python due to my Second Major (Double Major) in Computer Science and Engineering, which made statistical programming and data analysis easier. My passion in addressing health concerns through thorough study was solidified by this experience, which also widened my attention to **public health**. My dedication to tackling urgent health concerns has grown as a result of my following participation in **public health** studies, which include research on infectious diseases, non-communicable diseases, and maternal and child health.

During my undergraduate studies, I worked on several projects related to **public health** as research assistant, which marked the beginning of my path into health research. I started applying my statistics understanding to actual health challenges with that research. I have participated in a variety of research projects over my research career, contributing to more than twenty publications in reputable journals, the majority of which I was the first author. My studies on COVID-19, monkeypox, and my current research on dengue in Bangladesh have all been published in high impact journals, demonstrating my commitment to thorough investigation and significant scientific discussion. In addition, I have carried out and published articles in a diverse field, such as community health, physio-psychosocial health, environmental health, physical activity, early childhood diseases, maternal health, health preparedness, wastewater-based epidemiological surveillance, and early childhood development. I have also actively presented my research findings and contributed to other publications at more than five conferences. Notably, I was able to share my work on a global scale due to my presentation at the “World One Health Congress 2020” and some of my research articles have been published in national and international newspapers and media outlets. My dedication to expanding **public health** knowledge is further demonstrated by my submission of over ten research articles that are currently under review in prestigious journals. My academic career is also notable as a research assistant because I have developed project proposals for research grants that have been awarded by the University Grants Commission and other Bangladeshi ministries under the supervision of principal investigators. Those grants show my dedication to expanding knowledge and addressing significant scientific challenges through in-depth investigation, as does the success of the connected activities. In addition to my research, I often review articles and serve on editorial boards for several esteemed journals, including PLOS, BMC, and Frontiers. I also working as a **biostatistician** and Institutional Review Board (IRB) member in Biostatistics Epidemiology and Public Health Research Team, researcher in Biomedical Research Foundation (BRF) and am the leader of UNITY Bangladesh's Research and Reporting Team. In addition, I have mentorship experience from teaching courses on Data Analysis Using SPSS and R for Research, which were organized by SUST Science Arena and OGIVE Analytics. Furthermore, I was a core mentor for the Chittagong University Research and Higher Study Society's "Autumn 2020 Research Internship Program."

I've received tempting proposals for more senior roles with well-known international organizations in Bangladesh, but I'm steadfast in my resolve to attend **YYYY** University to obtain a PhD. My conviction that earning a PhD from **YYYY** University will improve my research abilities and allow me to significantly impact the field is what motivates me to make this choice. My academic path has been greatly influenced by interacting with professors like **Dr. XXXX**. Their desire to guide and assist me during my PhD studies confirms my belief that my areas of interest and **YYYY** mission are compatible. Enrolling in **YYYY** University's PhD program is a big step toward my dream of working as an independent **public health** researcher. The esteemed faculty, extensive curriculum, and cutting-edge research possibilities at **YYYY** University align well with my academic and career goals. I can't wait to work in a collaborative academic setting, make a significant contribution, and never stop innovating to solve problems related to global health. To sum up, my transition from statistics to active participation in **public health** research highlights my steadfast dedication to this area. I'm excited to bring my extensive experience and commitment to **YYYY** University, where I hope to support the institution's innovative and academically rigorous culture. With a solid background in **public health** and the ability to think critically, I am ready to take on the opportunities and challenges that the **YYYY** University PhD program has to offer.

Thank you for considering my application.