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October x, 202x

Novo Nordisk USA
Clinical, Medical and Regulatory Department
800 Scudders Mill Road
Plainsboro, NJ 08536

I am writing to express my sincere interest in joining the Clinical, Medical and Regulatory department at Novo Nordisk as a Clinical Data Science and Evidence Fellow. I am incredibly excited at the prospects of this position because of the lifesaving scientific breakthroughs in chronic disease care occurring at Novo Nordisk, many of which my own family members benefit from in their daily treatment of diabetes, motivates me to contribute robust real world evidence (RWE) to support the healthcare needs of families like my own and to people worldwide. My academic training and professional experience are illustrative that I can excel at the role's responsibilities of leading observational research, preparing protocols, collaborating with stakeholders and all other important functions. I expect to complete my PhD dissertation in Epidemiology at Brown University in February 2024, and I am aiming to combine causal inference theory and practice to address urgent chronic disease care needs. I believe my passion for improving healthcare needs of patients, computational skills, tenacity, problem-solving skills and collaborative nature will make me an ideal fit for this position.

My passion for public health and healthcare developed during a three-year post-baccalaureate fellowship at the Institute for Health Metrics and Evaluation (IHME). At IHME, I developed a unique set of technical skills as I utilized advanced machine learning algorithms and pioneered sophisticated disease models to estimate disease prevalence and mortality for tuberculosis, HIV, and six other infectious diseases for 204 countries. This work had international impacts as I collaborated with researchers and policymakers across the world in Europe, Asia and Africa to answer important disease burden questions and inform evidence-based health policies. It brought me immense excitement to see that our results and actionable conclusions informed real-world policy in the US and across the world. Besides developing exceptional analytic skills, I gained valuable communications skills as I regularly had to present my ideas and study findings in foreign environments during frequent meetings with various ministries of health across the globe, skills that I am excited to translate to my role at Novo Nordisk. Being a Fellow, I would get many similar opportunities to solve even larger problems utilizing real world data and analytics while supporting dissemination efforts of study findings. The impact that I would have in solving real world healthcare problems with a global impact is my strongest motivation to join Novo Nordisk.

I transitioned to a PhD program at Brown because there were new causal inference methods that I wanted to refine to address new healthcare questions in a post COVID world. At Brown, I've been able to collaborate with statisticians and clinicians to address health system resiliency questions including how the pandemic disrupted healthcare delivery using large datasets. I first authored 4 peer reviewed manuscripts with this work and was invited to give presentations to the World Health Organization (WHO) and the Bill and Melinda Gates Foundation (BMGF). The work that I conducted with this team and presentations were instrumental to the team receiving a \$1 million grant from the BMGF and an additional \$600,000 grant from the UK Health Foundation. Besides demonstrating research excellence, I've also shown the resiliency, composure, and initiative during my PhD to excel in this fellowship. Throughout my doctoral program, I actively sought out opportunities to take on new tasks for developing new skills by implementing novel causal inference methods in research studies, teaching courses for the first time and beginning a new leadership role at IHME. I completed these additional tasks while meeting urgent deadlines in my research teams at both Brown and IHME. If provided the opportunity, I would similarly take advantage of unfamiliar tasks at Novo Nordisk to become an expert in RWE studies while providing high-quality work.

I am dedicated to a strong work ethic, working in diverse teams, communicating effectively, and delivering in complex and collaborative environments. By bringing my strong academic background, research experience, and resiliency, I believe I can learn and contribute to Novo Nordisk's commitment to solving some of the worlds' leading chronic disease healthcare challenges. I very much look forward to an opportunity to elaborate further on my skills and qualifications.

Sincerely,

Student Name