

**Anne K. Gorman**  
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## **EDUCATION**

***Columbia University Mailman School of Public Health*** New York, NY Master of Public Health, Epidemiology, Certificate in Applied Biostatistics and Public Health Data Science, May 2025

***University of Maryland, College Park*** College Park, MD Bachelor of Science, Public Health Science, May 2023

## **RESEARCH AND APPLIED EXPERIENCE**

***Teaching Assistant, Quantitative Research Methods - Columbia University Mailman School of Public Health***

New York, NY

September 2024 – Present

- Teach weekly laboratory for ~25 first-year master's students to reinforce biostatistical and epidemiologic concepts outlined in Core class "Research Methods and Applications - Quantitative Foundations"
- Host weekly office hour to assist students with class concepts, homework assignments, and exam preparation
- Grade and provide feedback on weekly homework assignments

***Infectious Disease Development Intern, Epidemiology - Moderna, Inc.***

Cambridge, MA

June 2024 - August 2024

- Led protocol writing and epidemiological study planning using best-practice approaches to observational study design
- Generated key literature-based evidence using online databases and epidemiologic/medical journals to address information gaps, supporting respiratory vaccination development
- Performed epidemiological analysis using publicly available viral and disease surveillance data
- Attended and participated in cross-functional meetings to understand and support strategic decision-making
- Circulated weekly epidemiologic surveillance updates for the influenza research team

***Independent Study – Maternal and Child Health literature review through the University of Maryland School of Public Health***

College Park, MD

January 2023 – May 2023

- Performed epidemiologic and literature research using an instrumental variable analysis to conduct an in-depth literature review on a potential causal relationship between labor interventions and C-section and differentials by race
- Provided critical context for PhD Candidate Lindsay Mallick's dissertation on "The Effects of US Health System Policy and Practices in Cesarean Birth and Severe Maternal Morbidity;" key references informed and supported the background and introduction sections of the dissertation
- Identified potential confounders of the relationship between cesarean birth and maternal health outcomes related to labor management and the maternal healthcare system through text, in-class discussions, and a professional-level presentation

***Summer Research Intern - Georgetown Lombardi Comprehensive Cancer Center***

Washington, DC

May 2022 – August 2022

- Utilized bioinformatics methods to design a vaccine prevention for acute lymphoblastic leukemia based on population coverage percentage using various computer applications and programs such as Excel, PyMol, and Eclipse
- Collaborated with other interns and primary investigator to receive feedback and further direction
- Produced a 16-page manuscript-style report summarizing findings

***Independent Study – Public Health literature review through the University of Maryland College of Education*** College Park, MD

September 2021 – December 2021

- Conducted a literature review on the impacts of peer mentorship on at-risk students, including first-generation college students, minority students, and students with disabilities
- Compiled literature findings into a paper critically discussing various methods of education
- Qualitatively analyzed the relationship between self-efficacy and peer mentorship its positive effect on social, emotional, and academic experiences

***Laboratory Assistant - Pennsylvania State University Chemistry Boal Lab***

State College, PA  
January 2020 – June 2020

- Utilized wet lab techniques such as protein purification, x-ray crystallography, and bacteria culturing to examine metallocofactors and assembly pathways of choice of various metalloenzymes
- Attended weekly PhD candidate meetings on updated research findings

**LEADERSHIP EXPERIENCES**

***Volunteer Leader for Cure JM Foundation's Young Adult Advocates Council*** June 2023 – Present

Partnering with young adult rare disease patients to support them as they advocate for themselves within the public health community

***Changing Health Attitudes and actions to Recreate Girls President – University of Maryland Chapter*** May 2022 – May 2023

Served as liaison between UMD Chapter and Nationals, led weekly board meetings, provided weekly analytics to Nationals, created and led regular workouts, produced a weekly newsletter, and promoted women's health

***Peer Counselor and On-the-Job Trainer – University of Maryland Help Center*** November 2021 – May 2023

Handled crisis and counseling phone calls and trained future counselors for UMD's student-run counseling and crisis intervention hotline

***Testing Director – University of Maryland Help Center*** May 2022 – November 2022

Evaluated and organized testing for trainees to transition to counselors

**SKILLS**

Computer software: SAS | R | Eclipse | PyMol | Zotero

Excel: Pivot Tables, VLookup