Angela Dahl

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Education

Department of Biostatistics, University of Washington School of Public Health, Seattle, WA

PhD in Biostatistics, 2020–present

Department activities: Peer mentor (Fall 2022), Equity, Diversity, and Inclusion Committee (Outreach & Pipeline-Building Subcommittee) (2020–2021), Student-Faculty-Staff Committee (2020–2021)

Bowdoin College, Brunswick, ME

Bachelor of Arts in Mathematics with a minor in Religion, May 2018

Honors thesis: *Exploring random walks on graphs for protein function prediction*

Activities: Bowdoin OutAlly (2015–2018), Bowdoin Food Co-op (2014–2018), Bowdoin Chorus (2017), Bowdoin Chamber Orchestra & Chamber Ensembles (2014–2016)

Summer Institute in Biostatistics, University of Minnesota School of Public Health, Minneapolis, MN

Six-week NIH-funded course in biostatistics and epidemiology, Summer 2017

Budapest Semesters in Mathematics, Budapest, Hungary

Math-focused semester abroad, Fall 2016

Research experience

Fred Hutchinson Cancer Research Center, Seattle, WA
Graduate Research Assistant (September 2021–present)

Conduct COVID-19 and HIV prevention research supervised by Professor Elizabeth Brown

Lead author on a paper about COVID-19 transmission risk factor reporting

Analyze whether STIs decrease efficacy of the dapivirine ring for HIV prevention

Analyzed relationship between SARS-CoV-2 viral RNA sequences and within-household transmission

Performed analysis and helped write a paper on the relationship between COVID-19 symptom severity and viral load

Independent study (September 2022–September 2023)

Assisted in study design and sample size calculation for a grant proposal for an HIV challenge trial in infant macaques to validate a biomarker for predicting bNAb prevention efficacy against mother-to-infant HIV transmission

University of Washington Department of Biostatistics, Seattle, WA
Graduate Research Assistant (September 2020–September 2021)

Worked on a forensic genetics project supervised by Professor Bruce Weir

Validated new software to evaluate DNA evidence from a mixture of contributors

Bowdoin College, Brunswick, ME
Honors project (September 2017–May 2018)

Conducted research in graph theory with applications in modeling protein-protein interaction networks, advised by Professor Amanda Redlich

Teaching experience

University of Washington Department of Biostatistics, Seattle, WA

Teaching Assistant, Introduction to Biomedical Data Science (Fall 2023)

Held weekly office hours to assist students with the course material and R coding

Graded homework and provided detailed feedback on final data analysis projects

Teaching Assistant, Categorical Data Analysis in Epidemiology (Fall 2022)

Prepared and taught two weekly supplemental lectures/discussion sections

Held weekly office hours and monitored an online discussion board

Reviewed draft exams and helped prepare the online final exam

Bowdoin College, Brunswick, ME

Quantitative Reasoning Tutor (Fall 2017–Spring 2018)

Held weekly drop-in tutoring hours for students taking statistics and biostatistics courses

Privately tutored a student taking Statistics through the Math Department

Teaching Assistant, Combinatorics and Graph Theory (Fall 2017)

Led a weekly study group to assist students with their homework and studying for exams

Grader (Fall 2015–Spring 2017)

Graded homework for Multivariate Calculus and Linear Algebra classes

Professional experience

Statistics Collaborative, Inc., Washington, DC

Research Associate (August 2019–July 2020)
Research Assistant (July 2018–August 2019)

Provided project coordination for various Phase 2 and 3 clinical trials researching therapies for diseases including HIV, lupus, Alzheimer's disease, type 2 diabetes, heart failure, chronic kidney disease, and lung cancer

Assisted in writing and editing interim safety and efficacy reports for clinical trials

Acted as primary contact for pharmaceutical company clients and Data Monitoring Committee members

Provided administrative and research support to Dr. Lisa Weissfeld, Senior Investigator, including assisting with statistical analysis plans

Wrote SAS programs to produce and audit analyses

Mentored a new employee

YMCA Camp Menogyn, Grand Marais, MN

Kitchen Staff (Summer 2016)

Prepared and served three homemade meals per day as part of a small kitchen staff at a wilderness camp for teenagers

Co-guided a week-long canoe trip for underprivileged ninth-graders from Breakthrough Twin Cities

Publications

1. **Dahl AM**, Brown CE, Brown ER, O'Brien MP, and Barnabas RV. Concordance between SARS-CoV-2 index individuals and their household contacts on index individual COVID-19 transmission cofactors: a comparison of self-reported and contact-reported information. *BMC Public Health*. 2024;24:950. doi:10.1186/s12889-024-18371-7.

2. Bershteyn A, **Dahl AM**, Dong TQ, et al. Self-Assessed Severity as a Determinant of Coronavirus Disease 2019 Symptom Specificity: A Longitudinal Cohort Study. *Clin Infect Dis*. 2022;75(1):e1180-e1183. doi:10.1093/cid/ciac129.

3. Alfieri J, Coble MD, Conroy C, **Dahl A**, et al. A new implementation of a semi-continuous method for DNA mixture interpretation. *Forensic Sci Int Rep*. 2022;6:100281. doi:10.1016/j.fsir.2022.100281.

Honors and awards

Bowdoin College

Phi Beta Kappa, Alpha of Maine chapter (May 2018)

Magna cum laude (May 2018)

Honors in Mathematics (May 2018)

Sarah and James Bowdoin Scholar (Fall 2015, Fall 2016)

Bowdoin Faculty Scholarship (Fall 2014)

Volunteer service

Common Good City Farm, Washington, DC

City Farmer (2018–2019)

Volunteered weekly at a nonprofit organic farm in an underserved neighborhood

Assisted the farm manager with seasonal farm tasks and volunteered at community events and fundraisers

Worldwide Opportunities on Organic Farms, Clearwater, MN and Bostwick, GA

Volunteer farmer (2016 and 2017)

Worked for several weeks on small, family-owned organic farms in exchange for room and board

Assumed responsibility for daily farm chores, assisted with larger projects, and sold produce at weekly farmers' markets

Sustainable Bolivia, Cochabamba, Bolivia

Volunteer, Movimiento Sonrisa, Hospital del Niño Manuel A. Villarroel (Summer 2015)

Provided daily emotional support to long-term patients in the pediatric burn, postoperative, and malnutrition wards

Helped raise funds and make food for the patients' families

Skills

Proficient in R, Stan, and LaTeX; familiar with SAS, Python, and Mathematica

Conversational Spanish