



Position Title: Biostatistician

Organization: American Thrombosis and Hemostasis Network (ATHN)

Position Type: Full time

Reporting Relationship: Biostatistics and Data Science Acting Director

Location: Remote

Summary:

The American Thrombosis and Hemostasis Network (ATHN) is a 501(c)3 organization founded in 2006. ATHN provides a national informatics platform and public health services supporting research, advocacy, public health reporting, and clinical care and outcomes analysis for communities impacted by non-neoplastic hematologic disorders. ATHN maintains an electronic medical record tailored to care for people with hemophilia, thrombosis, and other non-neoplastic hematologic disorders. ATHN partners with a network of over 146 affiliated sites (ATHN Affiliate Network) in working toward common goals.

Patients who receive care at an ATHN affiliated site can opt in to participate in research and/or contribute their medical data to the ATHNdataset. The ATHNdataset is a secure anonymized longitudinal database with data from over 50,000 participants in the United States. The dataset supports research and facilitates analyses of clinical outcomes. In addition, ATHN partners with government programs, community-based organizations, and companies in the medical industry, with the goal of improving the care and quality of life for those affected by non-neoplastic hematologic disorders.

Reporting to the Acting Director of Biostatistics and Data Science, the Biostatistician will collaborate with an internal and external team of investigators on a variety of research projects. Responsibilities include informing the design of projects from a statistical perspective, monitoring data collection, development and application of models, and frequent analysis and presentation of data. The Biostatistician contributes to the application of statistical methods to advance scientific understanding that advances and improves the care of people.

ATHN is a virtual organization, meaning all ATHN staff are remote workers. We rely on modern communication tools to create a collective sense of purpose and stay connected with each other. If making a difference in the treatment of rare disorders excites you and you enjoy working remotely, we encourage you to apply.



Essential Job Functions / Responsibilities:

1. Collaborate with the Biostatistics and Data Science team to cultivate team processes and methods best practices considering current and emerging techniques.
2. Research, determine, and perform appropriate methodologic procedures for statistical analyses: exploratory data analyses including descriptive statistics, plots, schematic summaries, and transformations; and confirmatory data analyses including statistical tests and/or modeling.
3. Build tools to generate replicable analyses for research projects from ATHN dataset and other data sources. Complete biostatistics and data science process steps in projects: gathering, cleaning, processing, analyzing, and reporting data. Report methods and results. Contribute to publications.
4. Collaborate with an interdisciplinary research team on projects from inception through publication. Tasks may include assessing feasibility, developing objective(s), performing sample size and power calculations, generating and implementing randomization schema, and writing statistical sections of research protocols and manuscripts (e.g., statistical analysis plan).
5. Participate and present in regularly scheduled meetings with research teams, consulting on statistical considerations.
6. Develop knowledge and skills in established and emerging biostatistical techniques.
7. Complete other responsibilities as assigned.

Education & Experience:

- Doctorate degree in biostatistics, statistics, epidemiology, or related quantitative field
- One to three years research experience
- Made statistical contributions to published research as part of an interdisciplinary team. Research in medical, pharmaceutical, public health, or other related fields preferred.

Minimum Required Knowledge, Skills, and Abilities:

- Excellent interpersonal and communication (verbal and written) skills
- Able to work independently and collaboratively
- Mastery of statistical techniques in research as demonstrated in a significant graduate project.
- Intermediate mastery level of statistical programming languages and software. Understand the idioms and advantages of multiple tools (e.g., R, Python, SAS, Stata). Proficiency in multiple statistical programs preferred.
- Basic data gathering i.e., use SQL to select, join, filter, aggregate, and sort records from a relational database. (Intermediate mastery level PostgreSQL preferred)
- Basic software development skills: debugging, code organization, fundamental version control (e.g., use Git to branch, commit, and merge).



Travel:

Limited, one to two times per year for project team meetings and scientific conferences (currently on hold).

Salary Range:

\$100,000 - \$130,000

Availability:

Immediate

Contact:

Interested parties should send their cover letter, resume and statement of qualifications (combined in one PDF) to support@athn.org with subject line “ATHN Biostatistician Application”.