

**Position Opening  
Statistician Intermediate  
Children's Environmental Health Initiative  
University of Michigan**

**Statistician Intermediate**

**Job Summary**

The Children's Environmental Health Initiative (CEHI) within the School of Natural Resources and Environment (SNRE) at the University of Michigan currently has a position opening for a Statistician Intermediate. SNRE's mission is to contribute to the protection of the Earth's resources and the achievement of a sustainable society. CEHI is a research, education, and outreach program committed to fostering environments where all people can prosper. More information about CEHI can be found at <http://cehi.snre.umich.edu/>.

The Statistician Intermediate position requires a data analyst committed to public and environmental health and health disparities research. In addition to statistical responsibilities, the Statistician should be comfortable reading the public and environmental health literature in order to generate research questions in collaboration with project team leaders; design relevant analyses to extend and expand on previous research findings; and interpret analytical results in light of the relevant literature. The Statistician will be involved in the writing and preparation of scientific manuscripts, from paper inception through submission and revision. Successful applicants will be confident writers motivated to communicate complex statistical work to a non-statistical audience. Successful applicants will also be able to accept direction and guidance from the statistical manager, be adaptable to changing priorities, and be able to integrate feedback to improve future analyses and text.

**Responsibilities**

Duties relate to the collection, compilation, and analysis of health and environmental data within an academic research program. Applied statistical analysis will focus on health with an environmental and spatial focus, using clinical and administrative health data. The incumbent will help write academic research papers based on analytical findings.

The responsibilities of the position will include providing statistical input in the design, execution, and analysis of scientifically conducted studies. The Statistician, in collaboration with the project team, will be expected to contribute to the intellectual development of research projects and draft scientific manuscripts for publication. S/he will participate in the development of operations and procedures for the collection, editing, verification, and management of statistical data. S/he will assist in data management activities, including maintenance of audit trails and documentation for data management and statistical processes conducted, as well as critical review of processing code written by other team members. S/he will conduct data analyses using SAS, R, or other applications, as appropriate. The individual will participate in the preparation of written reports and oral presentations that summarize the analysis of data, interpret the findings, and provide conclusions and recommendations. In addition, he/she will assist in the writing of grant proposals and reports, and perform other related duties incidental to the work described herein.

The individual in this position functions independently as a member of a research/study team, but will also lead projects involving team members with different expertise. This position requires an individual committed to establishing and achieving both individual and team priorities and goals.

**Required Qualifications:**

- A Master's degree in statistics, biostatistics, or a health science field with extensive statistical applications
- One or more years of experience in data manipulation and analysis using SAS, R, and/or STATA
- Demonstrated knowledge of applied health statistics using a variety of statistical models
- Ability to accurately and efficiently assess technical problems and program solutions
- Must have outstanding attention to detail, be well organized, and have the ability to manage priorities and timelines across multiple projects
- Must be interested in applied statistical research questions focused on health and the environment
- Must be interested in writing academic manuscripts based on results of statistical analyses
- Must be interested in the development of scientific research
- Requires the ability to manage the work of others, set priorities, follow-through, ensure deadlines are met, and interact with faculty to anticipate needs, understand/interpret requests, and complete projects
- Excellent communication skills, both oral and written are required
- Must be self-motivated and a self-starter
- Must have good interpersonal skills
- Must have experience working collaboratively with team members having different skills and expertise, as well as experience with projects involving iterative work processes
- Must have a proven ability to write clear and concise technical documentation for use by others

**Desired Qualifications**

Experience with:

- Relational databases
- Health-related datasets
- R-Statistical programming language

Interested applicants should submit a resume and a cover letter to Kafi Laramore-Josey ([kafi@med.umich.edu](mailto:kafi@med.umich.edu)) addressing your interest in this position with a short discussion of how your skills and experience prepare you for this role and resume. Please name your document Lastname\_firstname\_CEHI\_Stat\_application. More information about CEHI can be found at <http://cehi.snre.umich.edu/>. CEHI and the University of Michigan are equal opportunity, affirmative action employers.