

## Human Resources

### Senior Biostatistician-2000191

#### Primary Location

TN-Nashville-2525 West End Ave

#### Organization

Department of Biostatistics 104268

[https://vanderbilt.taleo.net/careersection/.vu\\_cs/jobdetail.ftl?job=2000191](https://vanderbilt.taleo.net/careersection/.vu_cs/jobdetail.ftl?job=2000191)

#### Your Role

In your pivotal, rewarding role as Sr. Biostatistician, your responsibilities will be varied based on collaborations. They may include the following: lightly supervised collaborative work, work requiring acquisition of statistical and clinical knowledge with limited guidance, providing supervision of other biostatisticians and programmers.

#### **Key functions and expected performances may include but are not limited to the following:**

1. Collaborate with a research team on the design of a research project with moderate or minimal supervision
  - a. Provide statistical expertise in the design of research projects, focusing on fundamental issues including specification of hypotheses and basic study design
  - b. Actively collaborate with the research team in the design of methods to collect information, including the design of questionnaires and other data collection instruments, following the study design developed for the research program
  - c. Actively collaborate the development of operations and procedures for the collections, editing, verification and management of data
  - d. Actively collaborate in the preparation of the preliminary plan for analysis of a research study; provide feedback to plans from/to the research team and review/edit final analysis plans based on team input
2. Serve as a leader to ensure objectives are met
  - a. Actively contribute to the setting of intermediate project goals and tasks
  - b. Actively communicate logistical considerations for successful task processing
3. Collaborate as a member of a research team on the implementation and analysis of a research project
  - a. Implement planned analysis, including data verification and data correction as necessary, using one or more systems of computer hardware and statistical analysis software for the management and analysis of data with moderate supervision
  - b. Assist in directing the work of technical staff engaged in the collection or analysis of statistical data
  - c. Display a high level of professionalism and emotional intelligence in direct interactions with collaborators and colleagues
  - d. Effectively meet independently with investigators
4. Actively collaborate in the publication of research projects
  - a. Actively contribute to the preparation of written reports and oral presentations summarizing data analysis results, including detailed description of statistical methods, detailed analysis of results, and synthesis of conclusions from summary tables with moderate supervision

- b. Meet and present analyses to collaborators independently as needed

### **Position Qualifications**

#### *Required:*

Master's Degree in Biostatistics, Statistics or related area

- 2 or more years of related experience

#### *Preferred:*

- 3-5 years of working history of sustained excellent performance post degree
- Experience with S-PLUS or R
- Strong data management, cleaning, and reporting skills
- Familiarity with REDCap
- Experience with reproducible research and auditable/replicable data flow and analysis
- Strong understanding of the regulatory environment

### **Department/Unit Summary**

The Department of Biostatistics at VUMC was founded in 2003, tasked with the mission of bringing biostatistical expertise to the Vanderbilt community. With the unflagging support of the School of Medicine, and the diligence and creativity of our faculty and staff, we daily fulfill our mission: engaging in cutting-edge statistical methodology research, providing collaborative support and educational resources for biomedical and basic science researchers across the university, and training a new generation of biostatisticians. For more information, please visit <https://www.vumc.org/biostatistics/>.

### **Position Shift**

This is a standard Monday – Friday daytime role with flexibility required and extended based on business needs.

<https://www.vumc.org/biostatistics/biostatistics-careers>

### **Discover Vanderbilt University Medical Center:**

Located in Nashville, Tennessee, and operating at a global crossroads of teaching, discovery and patient care, VUMC is a community of individuals who come to work each day with the simple aim of changing the world. It is a place where your expertise will be valued, your knowledge expanded, and your abilities challenged. It is a place where your diversity — of culture, thinking, learning, and leading — is sought and celebrated. It is a place where employees know they are part of something that is bigger than themselves, take exceptional pride in their work and never settle for what was good enough yesterday. Vanderbilt's mission is to advance health and wellness through preeminent programs in patient care, education, and research.