

The Epidemiology and Biostatistics Section within the Rehabilitation Medicine Department of the National Institutes of Health (NIH/RMD) is seeking a post-doctoral fellow to engage in a multi-year project analyzing the nation's largest disability programs, Social Security Disability Insurance (DI) and Supplemental Security Income (SSI), administered by the Social Security Administration (SSA). Our interdisciplinary program is designed to provide experiences that foster the development of skills necessary to conduct independent research and to cross-train postdoctoral fellows in disciplines that are not traditionally represented in Rehabilitation Medicine such as mathematics, statistics, and economics.

Our training program is intended for students interested in population-level health services research and disability-related public health issues; however, our fellows are encouraged to become actively engaged in the rich and vibrant NIH research community. In addition to our own department's work, our fellows will gain exposure to basic or translation research in diverse areas such as bioinformatics, biophysics, epidemiology, immunology, cell and molecular biology, neuroscience and developmental biology.

This is a fully funded, multi-year, post-doctoral fellowship. Successful candidates will have excellent quantitative and applied research skills, strong oral and written communication skills, and the ability to work effectively in a multidisciplinary team setting. Candidates will be expected to conduct collaborative and independent quantitative empirical studies using restricted data, administrative records, or survey data linked to administrative records. For reasons of data security, work will be conducted on-site at the main NIH campus in Bethesda, MD and may include working off-site at one of three local Census data access sites in Baltimore, MD or Washington, DC.

#### Technical Requirements

This position requires a PhD from an accredited university in statistics, engineering, mathematics, bioinformatics, public health, medicine, social sciences or other related disciplines. The successful candidate will have received a doctoral degree within the last five years that included a minimum of 18 semester hours in statistics, mathematical statistics, biometrics, econometrics, probability theory, bioinformatics, or equivalent (provided at least 9 semester hours were in statistics). In addition, the ideal candidate will have completed 9 graduate semester hours in one or more of the following: physical or biological sciences, epidemiology, medicine, special education, engineering, or the social sciences including sociology, economics, political science, public health, and public policy.

Individuals with the following knowledge and skills are encouraged to apply:

- Demonstrated proficiency in programming with a high-level programming language (e.g., C++, C#) or statistical language (e.g., Stata, SAS, MATLAB, GAUSS, Mathematica);
- Experience with statistical methods for analysis of complex surveys, randomized controlled trials, clinical trials, power analysis, data-mining, text-mining, or linear-programming
- Experience planning research projects including analytical conceptualization and protocol development
- A proven high level of organizational and communication skills
- Demonstrated ability to work effectively in a multidisciplinary team setting
- Demonstrated ability to provide training at various levels
- Knowledge of and adherence to the ethical guidelines and regulatory requirements for research involving human subjects
- Demonstrated ability to conduct the administrative tasks necessary to create and maintain research data files in compliance with institutional and scientific confidentiality standards
- Demonstrated experience preparing conference presentations, research findings, and manuscripts for submission to peer-reviewed journals

- Ability to conduct independent research and to form internal and external collaborations in support of research initiatives in conjunction with a multi-disciplinary team in a fast-paced environment
- A strong interest in topics related to health and disability, related programs and policies, and/or health services.

For prompt consideration, click on the button below, or send curriculum vitae, a statement of research interests, a summary of past research experience, graduate transcript, and a list of at least three references to:

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