

## **CDC/NCHS: mathematical statistician position**

The Centers for Disease Control and Prevention's (CDC) National Center for Health Statistics (NCHS), Collaborating Center for Statistical Research and Survey Design (CCSRSD) in the Division of Research and Methodology (DRM), located in Hyattsville, Maryland, is seeking a mathematical statistician. As the nation's principal health statistics agency, NCHS' mission is to provide statistical information to guide actions and policies to improve the health of the American people.

CCSRSD contains the largest group of mathematical and research statisticians at NCHS. CCSRSD conducts statistical methodological research and collaborates with various programs within and outside of NCHS to support data-related research activities. Recent methodological work by CCSRSD includes the study and sampling design of CDC and NCHS surveys, methods for modeling and analyzing vital statistics and survey data, small-area estimation and spatial modeling, combining information from multiple data sources, data disclosure limitation and protection of confidentiality, missing data and imputation, and statistical genetics. The applied work spans a wide variety of topic areas such as disease epidemiology, health outcomes and services research, and survey methodology. Research products include scientific journal papers and government reports. Staff members are encouraged to attend conferences and workshops to present their research findings and for professional training.

The Mathematical Statistician will perform statistical, methodological, and collaborative research on a variety of issues and problems relating to survey and study design, modeling, data analysis, and statistical inference. In addition, the incumbent will function as a consultant and advisor on survey and study design and statistical analysis to other NCHS divisions and offices as well as external organizations. The work requires knowledge of statistical theory and concepts, experience in applied statistics, and a solid statistical computing and software background. Consulting and other collaborative experience is highly desirable.

The positions are open to all citizens of the United States or legal permanent residents with a work authorization. (Applicants are responsible for obtaining the necessary work authorization.) Applicants must have successfully completed a master's degree in statistics, biostatistics, or a related field (e.g., mathematics or science). Experience and coursework in statistics is essential, as is experience collaborating on statistical applications; statistical computing and software for statistical analysis; and conducting research in theoretical statistics, modeling and small-area estimation, novel sample and study design, analysis of data from complex surveys, statistical disclosure limitation and confidentiality, missing data, or other current or emerging statistical areas.

The successful candidate will be offered an initial 24-month appointment, which may be extended. A starting date will be determined by mutual agreement. An initial salary range of \$56,233–\$126,062 will be offered, based on education and experience. Salary increases will be commensurate with performance. Federal benefits such as annual and sick leave, Thrift Savings 401(k)-equivalent, and health and life insurance apply. A flexible work schedule or telework may be offered at the discretion of the division. NCHS is in Washington DC metropolitan area. Free onsite parking or a public transportation subsidy is available. The local subway station is within walking distance, and a free shuttle is available to and from the station.

Review of applications will begin on October 15, 2018 and will continue until the positions are filled. Interested applicants should submit a cover letter, their curriculum vitae, a copy of official transcripts of all graduate and undergraduate credits, and contact information for two references to Yulei He at the

mailing address below. Inquiries or questions regarding this fellowship can be directed to [YuleiHe@cdc.gov](mailto:YuleiHe@cdc.gov) or 301-458-4533.

Mailing address

Yulei He, Ph.D.

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