Centers for Disease Control and Prevention (CDC)
National Center for HIV, Viral Hepatitis, STD, and TB Prevention
Division of STD Prevention, Epidemiology and Statistics Branch

Job Title: Statistician
Temporary Appointment NTE 5 years (renewable)

The Division of STD Prevention (DSTDP), Epidemiology and Statistics Branch, is seeking more than one statistician to work on projects related to STD Prevention in the United States. The position is located in the Statistics Team. The work involves statistical analysis support to physicians, epidemiologists, behavioral scientists, and other researchers in the Division of STD Prevention (DSTDP). The statistician will be responsible for creating analysis data sets from national data sets such as NHANES and NSFG, collaborating with DSTDP research investigators to generate testable statistical hypotheses and relevant clinical variables in analysis data sets, and conducting analysis of clinical trials and observational studies using R and SAS software programs. The incumbent also will have opportunities to develop analyses using national datasets designed to monitor national STD prevalence, and present and publish STD research results that rely on complex models or analyses. Proficiency in R and SAS programming is essential to the position.

Location: Atlanta, Georgia Corporate Square Campus

Major Duties associated with this position include:

- Create analysis data sets including but not limited to NHANES
- Apply categorical data analysis, repeated measures analysis using linear mixed effects models and generalized estimating equations (GEE), complex survey analysis with sampling weights, logistic regression analysis, analysis of clinical trials and observational studies, and statistical modeling of STD control and prevention intervention effectiveness
- Analyze data sets with statistical software such as R, SAS, SUDAAN
- Generate tables, listings, and figures for epidemiologic studies
- Other duties as assigned

Qualification requirements:
Candidates must have a master's degree in biostatistics or statistics and must be proficient in R and SAS data analysis software. Candidates with a MS degree and experience in analyzing national survey data sets are encouraged to apply.

Percent of travel required: Travel will be less than 5% of time.

Application Procedures: Interested applicants should submit a CV or resume outlining relevant qualifications and experience via e-mail to Billy Litchfield (brl1@cdc.gov) by September 4, 2015. For further questions about this position, please contact Joseph Kang (yma9@cdc.gov).

Selection/Acceptance Process: Applications will be reviewed and interviews may be conducted among top candidates. Relocation is not supported.
Statement of Duties
Statistician (Title 42) DSTDP/ESB

- Provide statistical programming support to physicians, epidemiologists, behavioral scientists, and other researchers in the Division of STD Prevention (DSTDP);
- Create analysis data sets including but not limited to the National Health and Nutrition Examination Survey (NHANES) and National Survey of Family Growth (NSFG);
- Collaborate with DSTDP research investigators to generate testable statistical hypotheses and relevant clinical variables in analysis data sets;
- Develop and apply advanced statistical analysis techniques to surveillance and epidemiologic STD data sets in an effort to project the prevalence and incidence of STD infections for the nation as a whole and for specific risk groups and geographic areas;
- Apply categorical data analysis, repeated measures analysis using linear mixed effects models and generalized estimating equations (GEE), complex survey analysis with sampling weights, logistic regression analysis, analysis of clinical trials and observational studies, and statistical modeling of STD control and prevention intervention effectiveness;
- Implement new or state-of-the-art techniques requiring the innovative use of existing statistical software such as R, SAS, SUDAAN, BUGS and related software package/programs;
- Generate tables, listings, and figures for epidemiologic studies;
- Provide expert statistical consultation to investigators in other CDC Divisions or other agencies; and
- Assist to prepare the presentation or publication of STD research results that rely on complex models or analyses;