Spatial Epidemiologist/Statistician for CDC's Division for Heart Disease and Stroke Prevention, Epidemiology and Surveillance Branch, Small Area Analysis Team

Vacancy Announcement Number:
HHS-CDC-D2-22-11426263 USAJOBS - Job Announcement DE (external applicants)
HHS-CDC-MP2-22-11426264 USAJOBS - Job Announcement MP (internal applicants)

Opening Date: 4/1/2022
Closing Date: 4/18/2022

About the Branch/Team: The Epidemiology and Surveillance Branch (ESB), of CDC's Division for Heart Disease and Stroke Prevention, monitors patterns and trends related to cardiovascular disease (CVD) outcomes and risks. ESB's scientific findings and reports help the division and its partners respond to emerging health risks and promote evidence-based CVD prevention efforts. The Small Area Analysis Team conducts innovative spatial and spatiotemporal analyses of CVD outcomes and makes high-quality local-level CVD data available via a variety of online GIS and mapping tools that can be easily accessed by a wide range of public health audiences.

Duties of the Position:
- Develop and apply spatial and spatiotemporal analytic methods to examine local-level CVD outcomes and trends by sociodemographic group and community socioeconomic characteristics.
- Develop and apply spatial statistical models that address spatial patterns in the burden of cardiovascular disease and proximity to health care resources.
- Provide advice and assistance in the development and implementation of procedures and methods for expanding spatial and spatiotemporal analytic methods.
- Disseminate results of analyses in a wide range of venues including summaries, peer-reviewed journals, oral presentations, web materials, and interactive applications.
- Develop and maintain expertise and research capacity in spatial and spatiotemporal analyses of cardiovascular disease
- Work collaboratively with other teams within the Division, Center, and across the agency.

Desired Qualifications:
- Experience developing and leading analyses of spatial and/or spatiotemporal data
- Advanced experience with statistical packages SAS and R
- Knowledge of/Experience using Bayesian statistical methods
- Experience using ArcGIS or other mapping software packages
- Experience in the management and analysis of large data sets
- Experience with studies that address social determinants of health and/or health inequities at the community level
- Experience in analyzing and visualizing health outcomes by combining data from a variety of data sources
- Demonstration of strong oral and written communication skills, including data visualization

Note: Several divisions with the National Center for Chronic Disease Prevention and Health Promotion will be selecting applicants from the same position announcement.