

**Opportunity Title:** CDC Statistics and Spatial Epidemiology Fellowship

**Opportunity Reference Code:** CDC-NCCDPHP-2020-0149

**Organization** Centers for Disease Control and Prevention (CDC)

**Reference Code** CDC-NCCDPHP-2020-0149

**How to Apply** A complete application consists of:

- An application
- Transcripts – [Click here for detailed information about acceptable transcripts](#)
- A current resume/CV, including academic history, employment history, relevant experiences, and publication list
- One educational or professional recommendation. Your application will be considered incomplete, and will not be reviewed until one recommendation is submitted.

All documents must be in English or include an official English translation.

If you have questions, send an email to [ORISE.CDC.NCCDPHP@ornl.gov](mailto:ORISE.CDC.NCCDPHP@ornl.gov). Please include the reference code for this opportunity in your email.

**Application Deadline** 8/3/2020 3:00:00 PM Eastern Time Zone

**Description** \*Applications will be reviewed on a rolling-basis.

A research opportunity is currently available with the Division of Population Health (DPH), within the National Center for Chronic Disease Prevention and Health Promotion (NCCDPHP) at the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia.

The participant will be involved in a small area estimation project funded by the Robert Wood Johnson Foundation through the CDC Foundation. The project is an expansion of the current 500 Cities Project ([www.cdc.gov/500cities](http://www.cdc.gov/500cities)) and will provide nationwide model-based estimates for a variety of chronic diseases and health-related behavior measures at small geographic area levels, such as county, incorporated place, census tract, and ZIP Code tabulation area.

Under the guidance of a mentor, the participant will have opportunities to gain experience in advanced spatial epidemiological and statistical studies. Activities may include:

- Creating, updating, and managing very large small area estimation (SAE) datasets, using the Behavioral Risk Factor Surveillance System (BRFSS), the American Community Survey (ACS), Census population count
- Understanding and modifying the existing SAS code to generate the small area estimates using multilevel regression models
- Contributing to the development of research studies on small area estimation
- Disseminating the findings in peer review journals and professional conferences

This program, administered by ORAU through its contract with the U.S. Department of Energy to manage the Oak Ridge Institute for Science and Education, was established through an interagency agreement between DOE and CDC. The initial appointment can be up to one year, but may be renewed upon recommendation of CDC contingent on the availability of funds. The participant will receive a monthly stipend commensurate with educational level and experience. Proof of health insurance is required for participation in this program. The appointment is full-time at CDC in the Atlanta, Georgia, area. Participants do not become employees of CDC, DOE or the program administrator, and there are no employment-related benefits.

**Qualifications** The qualified candidate should have received a master's or doctoral degree in one of the relevant



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fields, or be currently pursuing the degree and will reach completion by the end of August 2020. Degree must have been received within five years of the appointment start date.

Preferred skills:

- Experience in statistical computing software SAS
- Experience in the management of large data sets in SAS
- Experience/knowledge of multilevel regression model
- Knowledge/Awareness of Geographic Information System (GIS)
- Good written and oral communication skills

**Eligibility  
Requirements**

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Master's Degree or Doctoral Degree received within the last 60 months or anticipated to be received by 8/31/2020 11:59:00 PM.
- **Discipline(s):**
  - **Life Health and Medical Sciences** ([2](#) 👁)
  - **Mathematics and Statistics** ([3](#) 👁)