

Opportunity Title: CDC Small Area Estimation Fellowship
Opportunity Reference Code: CDC-NCCDPHP-2020-0245

Organization Centers for Disease Control and Prevention (CDC)

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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@ora.u.org. Please include the reference code for this opportunity in your email.

Application Deadline 1/15/2021 3:00:00 PM Eastern Time Zone

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

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

Throughout the course of this research project, the participant will participate and collaborate 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) 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 but are not limited to:

- Analyze data to create large small area estimation (SAE) datasets, using the Behavioral Risk Factor Surveillance System (BRFSS), the American Community Survey (ACS), and Census population counts
- Understand and collaborate on modifications to the existing SAS code to generate the small area estimates using multilevel regression models
- Collaborate on research studies on small area estimation topics
- Participate and collaborate on dissemination activities, including drafting articles for journals and presentations at professional conferences

The Centers for Disease Control and Prevention (CDC) is one of the major operation components of the Department of Health and Human Services. CDC works to protect America from health, safety and security threats, both foreign and in the U.S. Whether diseases start at home or abroad, are chronic or acute, curable or preventable, human error or deliberate attack, CDC fights disease and supports communities and citizens to do the same.

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 degree in one of the relevant fields. Degree must have been received within five years






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of the appointment start date.

Preferred skills:

- Experience in statistical computing software SAS
- Experience in the management of large data sets in SAS
- Knowledge/Awareness of multilevel regression model
- Experience/Knowledge of Geographic Information System (GIS) is helpful, but not required
- Good written and oral communication skills

**Eligibility
Requirements**

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Master's Degree received within the last 60 month(s).
- **Discipline(s):**
 - **Computer, Information, and Data Sciences** (3 )
 - **Earth and Geosciences** (1 )
 - **Life Health and Medical Sciences** (4 )
 - **Mathematics and Statistics** (5 )
 - **Social and Behavioral Sciences** (1 )