

Opportunity Title: CDC Spatial Epidemiology and Statistics Fellowship

Opportunity Reference Code: CDC-DHDSP-2021-0047

Organization Centers for Disease Control and Prevention (CDC)

Reference Code CDC-DHDSP-2021-0047

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

Application Deadline 2/15/2021 3:00:00 PM Eastern Time Zone

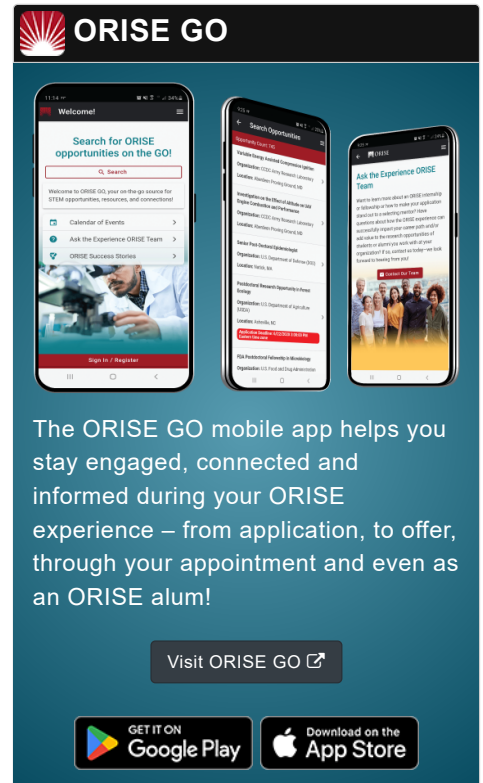
Description **Applications will be reviewed on a rolling-basis.*

A research opportunity is currently available with the Epidemiology and Surveillance Branch, in the Division for Heart Disease and Stroke Prevention (DHDSP), 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 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.

Under the guidance of a mentor, the selected participant will have the opportunity to train and gain experience in advanced spatial and spatiotemporal studies of heart disease and stroke morbidity and mortality. These activities may include:

- Learning to create, update, analyze and manage very large datasets
- Training and participating in advanced spatial and/or spatio-temporal analyses of heart disease and stroke morbidity, mortality and risk factors using Bayesian and frequentist approaches
- Gaining experience writing manuscripts for submission to peer-reviewed journals and government reports
- Producing data visualizations of spatiotemporal data
- Conducting literature reviews
- Presenting the results to internal and external audiences, including



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- professional meetings and/or conferences
- Other related activities as discussed with mentor that further the science base related to the small area surveillance and analysis of heart disease and stroke

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 fields, or be currently pursuing a doctoral degree. Degree must have been received within five years of the appointment start date.

Preferred skills:

- Experience analyzing spatial and/or spatiotemporal data
- Experience in the management and analysis of large data sets
- Knowledge/Awareness of Bayesian statistical methods
- Experience using statistical software, such as SAS or R, for data analysis
- Experience with data visualization software, such as Power BI
- Experience using ArcGIS or other mapping software packages
- Strong written and oral communication skills

Eligibility Requirements

- **Degree:** Master's Degree or Doctoral Degree.
- **Discipline(s):**
 - **Life Health and Medical Sciences** (2 )
 - **Mathematics and Statistics** (1 )

Affirmation

I have received a master's or doctoral degree within the past 5 years, OR am currently pursuing a doctoral degree.