

**Opportunity Title:** CDC Fellowship on Showcasing the Suite of Online GIS

Tools for Chronic Disease Surveillance

**Opportunity Reference Code:** CDC-NCCDPHP-DHDSP-2023-0031

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

**Reference Code** CDC-NCCDPHP-DHDSP-2023-0031

**How to Apply** *Connect with ORISE...on the GO!* Download the new ORISE GO mobile app in the [Apple App Store](#) or [Google Play Store](#) to help you stay engaged, connected, and informed during your ORISE experience and beyond!

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.

**Application Deadline** 4/3/2023 3:00:00 PM Eastern Time Zone

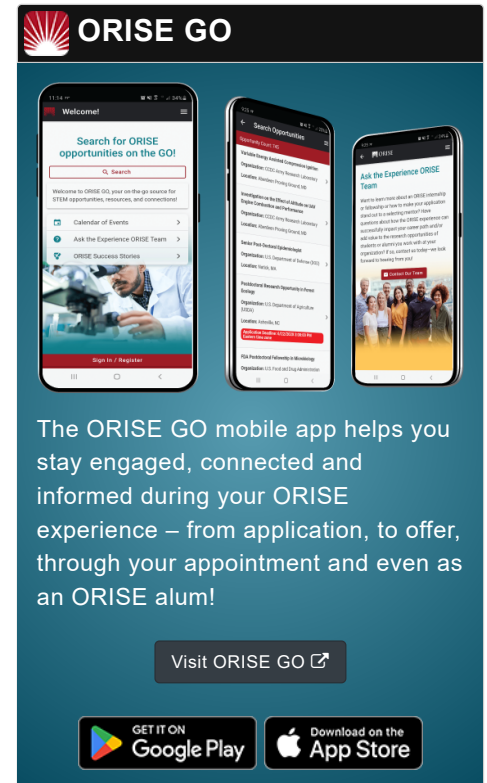
**Description** **\*Applications will be reviewed on a rolling-basis.**

**CDC Office and Location:** This opportunity is 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.

DHDSP has a mission to provide national leadership, public health and scientific expertise, and program support to optimize cardiovascular health for all. Priorities for the Division include reducing the risk as well as improving the management and control of hypercholesterolemia and hypertension and reducing the burden of stroke and heart disease.

**Research Project:** Under the guidance of a mentor, the selected participant will have the opportunity to learn about CDC's online suite of GIS Tools for Chronic Disease Surveillance and share these tools with others, especially to draw attention to opportunities for displaying maps of social determinants of health to address health equity. The suite of GIS tools includes the



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Atlas of Heart Disease and Stroke, Local Trends in Heart Disease and Stroke Dashboard, Map Widget, Quick Maps, Map Gallery, and Rate Stabilizing Tool.

**Learning Objectives:** These activities may include:

- Gain experience providing technical assistance for using the suite of on-line GIS tools to staff in a broad range of CDC partner organizations such as:
  - State and local health departments
  - Tribal Epidemiology Centers
  - Health Systems
  - Community Organizations
- Gain experience providing technical assistance in a variety of formats, such as:
  - Webinars
  - One-on-one sessions
  - Video Tutorials
  - Demonstrations at professional conferences
- Identify options for additional data sources, navigational techniques, on-line tools etc., by
  - Actively scanning new and existing on-line mapping tools
  - Identifying data and mapping needs among constituents
  - Collaborating with DHDSP staff to identify priority health topics
  - Conducting literature reviews of mapping and data visualizations
- Highlight the use of CDC's GIS tools to address social determinants of health (SDoH)
  - Current data available at county and census tract level
  - Opportunities for new data sources
  - Developing case studies for layering SDoH data with heart disease and stroke, health care facilities, etc.
- 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

**Mentor(s):** The mentor for this opportunity is Michele Casper ([myc5@cdc.gov](mailto:myc5@cdc.gov)). If you have questions about the nature of the research please contact the mentor(s).

**Anticipated Appointment Start Date:** May 29, 2023. Start date is flexible and will depend on a variety of factors.

**Appointment Length:** The appointment will initially be for one year, but may be renewed upon recommendation of CDC and is contingent on the availability of funds.

**Level of Participation:** The appointment is full-time.

**Participant Stipend:** The participant will receive a monthly stipend commensurate with educational level and experience.

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**Citizenship Requirements:** This opportunity is available to U.S. citizens, Lawful Permanent Residents (LPR), and foreign nationals. Non-U.S. citizen applicants should refer to the [Guidelines for Non-U.S. Citizens Details](#) page of the program website for information about the valid immigration statuses that are acceptable for program participation.

**ORISE Information:** This program, administered by ORAU through its contract with the U.S. Department of Energy (DOE) to manage the Oak Ridge Institute for Science and Education (ORISE), was established through an interagency agreement between DOE and CDC. Participants do not become employees of CDC, DOE or the program administrator, and there are no employment-related benefits. Proof of health insurance is required for participation in this program. Health insurance can be obtained through ORISE.

The successful applicant(s) will be required to comply with Environmental, Safety and Health (ES&H) requirements of the hosting facility, including but not limited to, COVID-19 requirements (e.g. facial covering, physical distancing, testing, vaccination).

**Questions:** Please visit our [Program Website](#). After reading, if you have additional questions about the application process please email [ORISE.CDC.NCCDPHP@orau.org](mailto:ORISE.CDC.NCCDPHP@orau.org) and include the reference code for this opportunity.

## Qualifications

The qualified candidate should have received a master's or doctoral degree in one of the relevant fields (e.g., Public Health, Epidemiology, Biostatistics, Geography, Education, Website Development, Data Visualization), or be currently pursuing one of the degrees with completion before May 31, 2023. Degree must have been received within five years of the appointment start date.

### Preferred Skills:

- Experience providing technical assistance for various audiences
- Experience conducting literature reviews
- Experience analyzing or making use of spatial and/or spatiotemporal data
- Experience with data visualization software, such as Power BI – this may be useful
- Experience using ArcGIS or other mapping software packages
- Strong written and oral communication skills

## Eligibility Requirements





- **Degree:** Master's Degree or Doctoral Degree received within the last 60 months or anticipated to be received by 5/31/2023 12:00:00 AM.
- **Discipline(s):**
  - **Communications and Graphics Design** (6 👁)

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- **Computer, Information, and Data Sciences** (3 )
- **Earth and Geosciences** (1 )
- **Life Health and Medical Sciences** (3 )
- **Social and Behavioral Sciences** (4 )