

Opportunity Title: CDC Research Opportunity in Data Science

Opportunity Reference Code: CDC-CSELS-2021-0301

Organization Centers for Disease Control and Prevention (CDC)

Reference Code CDC-CSELS-2021-0301

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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.

Application Deadline 11/11/2021 3:00:00 PM Eastern Time Zone

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

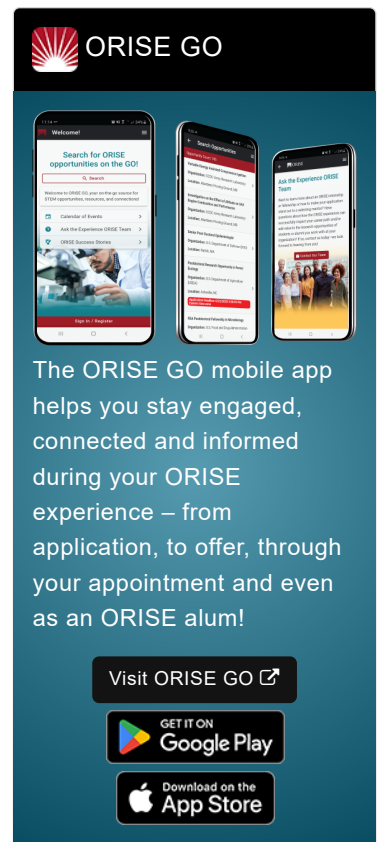
CDC Office and Location: A research opportunity is currently available with the Public Health Workforce Branch, Division of Scientific Education and Professional Development, Center for Surveillance, Epidemiology and Laboratory Sciences (CSELS) at the Centers for Disease Control and Prevention (CDC) 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.

Research Project: Under the guidance of a mentor, the research participants will learn how to conduct activities focused on enhancing the leadership and data science workforce capacity at CDC. The participants will have the opportunity to collaborate directly within the leadership or data science aspects of the branch, providing programmatic support on all aspects of the fellowship implementation, including recruitment, selection, curriculum development and deliver, monitoring and evaluation.


Additionally, the fellows may be involved in the following training activities:


- design, evaluate and improve upon methods used to collect, process, analyze and integrate new and existing data sources that are managed by the branch
- utilize statistical programming software (SAS, R, SQL, etc.) to manage program data from a variety of data sources
- learn resource needs/utilization for training programs
- help identify novel data sources and analytic tools, including associated strengths and weaknesses
- develop Standard Operating Procedures (SOP) as needed for revised




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or new processes

- perform other projects within the branch as needed related to data management/analytics to reporting/communication needs
- develop dashboards and reports to support program management

Learning Objectives: Learning objectives will include the following data science literacy domains: Computational, Statistical, Ethical, Machine Learning, and Visualization

Mentor(s): The mentor for this opportunity is Mary Catherine Bertulfo (ktt8@cdc.gov). If you have questions about the nature of the research please contact the mentor(s).

Anticipated Appointment Start Date: Fall 2021. 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.

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.

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

Qualifications The qualified candidate should have received a master's degree in one of the relevant fields, or be currently pursuing one of the degrees with completion by the end of December 2021. Degree must have been received within the past five years.

Preferred skills:





- Excellent oral and written communication skills
- Experience managing programs or projects with multiple components
- Experience with Microsoft suite of products
- Excellent organizational skills
- Solid data analysis skills

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- Interest in workforce development and training

**Eligibility
Requirements**

- **Degree:** Master's Degree received within the last 60 months or anticipated to be received by 12/31/2021 11:59:00 PM.
- **Discipline(s):**
 - **Computer, Information, and Data Sciences** ([17](#) )
 - **Life Health and Medical Sciences** ([1](#) )
 - **Mathematics and Statistics** ([1](#) )
 - **Social and Behavioral Sciences** ([29](#) )