Opportunity Title: CDC Public Health Informatics Fellowship
Opportunity Reference Code: CDC-OD-2024-0100

Organization	Centers for Disease Control and Prevention (CDC)
Reference Code	CDC-OD-2024-0100
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.

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

CDC Office and Location: A research opportunity is available in the Centers for Disease Control and Prevention (CDC). **Candidate should reside within 50 miles of the official duty location (Atlanta, Georgia). Remote participation may be available from within 50 miles of the official duty location.**

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: CDC receives disease case notifications from State Health Departments daily. At the end of each year, CDC and the State Health Departments reconcile the Case Counts, ensuring that state and federal systems are tracking each other. CDC would like to automate the data reconciliation process between the CDC and State Health Departments. A prototype already exists to reconcile the data between the two entities. The prototype was developed using python. The fellow, under the guidance of a mentor, will enhance the prototype to meet the data reconciliation needs.

Learning Objectives:

- Requirements gathering from internal (CDC) and external users (States)
- Database Design
- Data Analysis and Reporting
- Public Health data exchange tools and processes
- Developing and maintaining software using Python
- Creating SQL script

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Mentor(s): The mentor for this opportunity is Marion Anandappa (dza4@cdc.gov). If you have questions about the nature of the research please contact the mentor(s).

Anticipated Appointment Start Date: June 2024. 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: Stipend rates may vary based on numerous factors, including opportunity, location, education, and experience. If you are interviewed, you can inquire about the exact stipend rate at that time and if selected, your appointment offer will include the monthly stipend rate.

Citizenship Requirements: This opportunity is available to U.S. citizens and Lawful Permanent Residents (LPR) only.

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.OS@orau.org and include the reference code for this opportunity.

Qualifications The qualified candidate should have received a bachelor's or master's degree in one of the relevant fields. Degree must have been received within the past five years.

Preferred skills:

- Degree in computer science, Bioinformatics, mathematics, statistics, epidemiology, or public health earned within the last five years
- Experience in system development and software design using Python
- Experience in creating SQL queries to extract, modify and analyze data
- Experience with communicating information and working on the maintenance and development of informatics tools
- Strong oral and written communication skills.

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Eligibility Requirements

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Bachelor's Degree or Master's Degree received within the last 60 month(s).
- **Overall GPA:** 3.25
- **Academic Level(s):** Post-Bachelor's or Post-Master's.
- **Discipline(s):**
  - **Computer, Information, and Data Sciences** (8 👁)

Affirmation

I certify that I have not previously been employed by CDC or by a contractor working directly for CDC. I understand that CDC does not permit individuals with a prior employment relationship with CDC or its contractors to participate as trainees in the ORISE program. (Exceptions may be granted for individuals who, since the previous CDC employment, have obtained a new STEM degree which necessitates training in a new field.)