

Opportunity Title: CDC Influenza Division Epidemiology and Prevention

Branch Fellowship

Opportunity Reference Code: CDC-NCIRD-ID-2023-0010

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

Application Deadline 3/20/2023 3:00:00 PM Eastern Time Zone

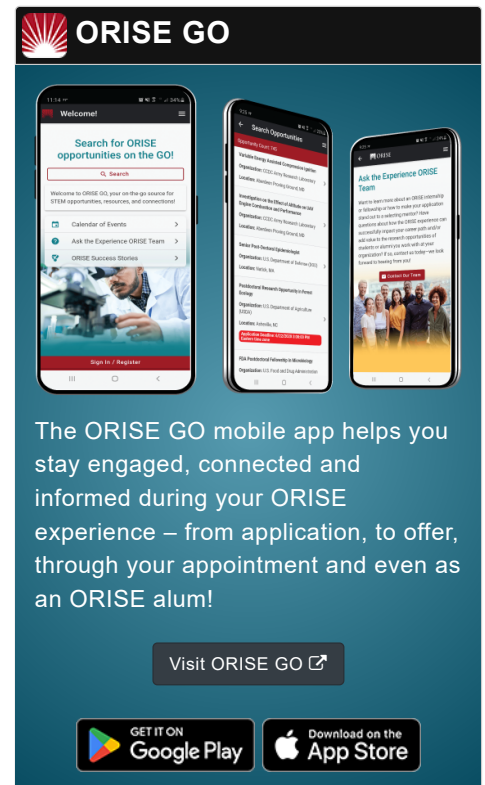
Description ***Applications will be reviewed on a rolling-basis.**

CDC Office and Location: Several fellowship opportunities are available within the Influenza Division (ID) Epidemiology and Prevention Branch of the National Center for Immunization and Respiratory Diseases (NCIRD) at the Centers for Disease Control and Prevention (CDC) located in Atlanta, Georgia.

Research Project: The Applied Research and Modeling (ARM) Team, Influenza Prevention and Control (IPAC) Team, and Influenza Epidemiology and Treatment Team (ICE-T), Epidemiology and Prevention Branch, Influenza Division, at the Centers for Disease Control and Prevention are seeking motivated masters and doctoral level graduates with a background in epidemiology, biostatistics, project management, data management, or data science. This appointment will offer a unique opportunity to train with a multi-disciplinary team focusing on innovative ways to gather, analyze, and disseminate public health information.

The Influenza Division provides the scientific and programmatic foundation and leadership for the diagnosis, prevention, and control of influenza domestically and internationally. Activities across the teams may include:

- Exploring the potential utility of new and under-used data sources that could allow for better or timelier understanding



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- of the epidemiology and burden of influenza.
- Conduct literature reviews to understand changes in influenza testing including assay sensitivity and specificity or the use of at-home tests to determine influenza virus infection.
- Collaborate with epidemiologists to explore estimating disease burden by additional demographic characteristics or geographic areas.
- Serve as the data manager for external participatory surveillance system including downloading, cleaning, and analyzing data routinely
- Assisting with management and analysis of hospital-based influenza surveillance, supporting data management and analysis of influenza disease burden information and contributing to both domestic and global disease burden efforts
- Helping to coordinate mathematical modeling studies in support of the public health response to influenza
- Collaborating with epidemiologists in the development of analytic strategies for assessing the effectiveness of influenza vaccines and antiviral medications, including but not limited to
 - developing, testing, and managing data collection and specification requirements and data collection processes
 - reviewing and summarizing scientific and clinical literature related to analytic strategies or project implementation
- Managing the tracking, receipt, validation, and merging of large datasets, including data from multiple sites and epidemiologic, laboratory, and electronic medical data. This includes monitoring data quality and completeness and providing feedback to project sites, designing and maintaining large databases to house data, creating and maintaining database documentation, and generating datasets for epidemiologic analysis
- Assisting with preparation of materials required for review of projects by CDC and other institutional review boards (IRBs) for protection of human research subjects
- Performing statistical analysis for vaccine and antiviral medication effectiveness estimates
- Summarizing research findings in written reports and presentations (at CDC or local and national conferences); performing primary or secondary technical review of documents; preparing sections of scientific manuscripts for internal and academic audiences; responding to inquiries from partner agencies
- Coordinating project-related communication with collaborating research institutions including meetings, workshops, and conference calls
- Problem-solving to optimize data collection (e.g., refining

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methods for collection of information on influenza vaccination status), data management, and data presentation

- Possible travel to study sites as needed to support the responsibilities above

Learning Objectives: The selected fellows would train with mentors on the team in applied epidemiology and be involved in projects including: assisting with management and analysis of hospital-based influenza surveillance, supporting data management and analysis of influenza disease burden information and contributing to both domestic and global disease burden efforts, or helping coordinate mathematical modeling studies in support of the public health response to influenza.

Mentor(s): The mentor(s) for this opportunity is Crystal Anderson (ffp3@cdc.gov). If you have questions about the nature of the research please contact the mentor(s).

Anticipated Appointment Start Date: March 27, 2023. Start date is flexible.

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.

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

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Qualifications

The qualified candidate should have received a master's or doctoral degree in one of the relevant fields (e.g. Epidemiology, Biostatistics), or be currently pursuing one of the degrees with completion before the appointment start date. Degree must have been received within five years of the appointment start date.

Preferred skills/experience:

- Candidates applying for data management and analysis positions should have experience with importation, manipulation, and analysis of data from a variety of sources.
- Additional experience visualizing analyzed and raw data using various software is preferred for several of the appointments
- Experience with the Microsoft Suite and SAS or R are preferred for several of the positions
- Experience with data presentation and visualizations using Microsoft Excel, Microsoft PowerPoint, or PowerBI would be useful.
- Experience with vaccines and infectious diseases is preferred but not required
- Effective oral and written communication skills

Eligibility Requirements

- **Degree:** Master's Degree received within the last 60 months or anticipated to be received by 6/19/2023 11:59:00 PM.
- **Discipline(s):**
 - **Computer, Information, and Data Sciences** (1 )
 - **Life Health and Medical Sciences** (2 )
 - **Mathematics and Statistics** (2 )

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.)