Opportunity Title: CDC NCIRD Preventable Disease Internship Program – Data Analytics Fellowship

Opportunity Reference Code: CDC-NCIRD-2024-0234

Organization	Centers for Disease Control and Prevention (CDC)
Reference Code	CDC-NCIRD-2024-0234
How to Apply	***To submit your application, scroll to the bottom of this opportunity and click APPLY.***

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.

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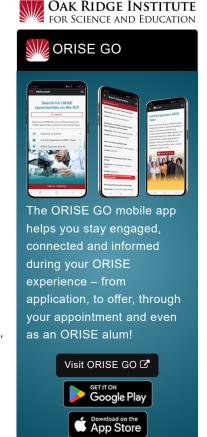|	
Application Deadline	1/12/2025 3:00:00 PM Eastern Time Zone
Description	***Applications will be reviewed on a rolling-basis.**

CDC Office and Location: An internship opportunity is currently available with the Immunization Services Division (ISD) in the National Center for Immunization and Respiratory Diseases (NCIRD) at the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia. **This opportunity can be part-time or full-time and is eligible to be 100% virtual within 50 miles of the appointment 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.

The mission of the Immunization Services Division (ISD) is to protect individuals and communities from vaccine-preventable diseases through the provision of federal funds and contracts to purchase vaccines, the provision of technical and financial support of immunization programs, provider and public education, and evaluation and research. Within ISD is the Surveillance and Epidemiology Branch (SEB), which works to provide scientific leadership on the measurement of vaccination coverage across the lifespan and provides a comprehensive online platform for visualizing vaccination coverage data (https://www.cdc.gov/vaccines/vaxview/index.html).

SEB: The Surveillance and Epidemiology Branch (SEB) assesses domestic vaccination coverage and vaccine confidence and demand across the lifespan.

Research Project: This internship will provide a broad and diverse set of experiences in all arenas of data science focused on vaccination program and outcomes data for the public, for healthcare and public health practitioners, state and local jurisdictions, and partners. These experiences would be matched with the interests, knowledge, and skills of the intern and provide opportunities to contribute to SEB and ISD/NCIRD science, program, and evaluation activities. The activities would span data and data sources shared by ISD via public-facing VaxViews plus new project VaxVizApp (Vaccination Data and Visualization Application) which will integrate program and outcomes data from various internal and external sources for use by ISD/NCIRD/CDC staff, STLT staff, and other partners for routine and outbreak/pandemic vaccination needs. Additionally, the intern will have an opportunity to explore use of automation, natural language processing (NLP) and machine learning (ML) (building on ISD/NCIRD's COVID Vaccination, Flu, and Internal SmartFind ChatBots) to increase use of and insights gained from quantitative and qualitative vaccination data.

Learning Objectives: Generalized but varies upon specific activities and project(s) the fellow will be assigned these learning activities:

- Improve their understanding of the landscape of vaccination data
- Contribute to assessment and evaluation of vaccination data
- Contribute to the design and implementation of VaxVizApp
- Provide feedback to help improve vaccination data
- Gain KSAs related to automation, NLP, ML.

Mentor(s): The mentor for this opportunity is Suchita Patel (spatel6@cdc.gov). If you have questions about the nature of the research, please contact the mentor(s).

Anticipated Appointment Start Date: March 10, 2025. Start date is flexible and will depend on a variety of factors.

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

Level of Participation: The appointment is full time or part 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, 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.

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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.NCIRD@orau.org]() and include the reference code for this opportunity.

Qualifications

The qualified candidate should be currently pursuing or have received an associate's, bachelor's, master's, or doctoral degree in the one of the relevant fields. Degree must have been received within the past five years, or be currently pursuing.

Point of Contact [Michele Morrison]()

Eligibility Requirements

- **Degree:** Associate's Degree, Bachelor's Degree, Master's Degree, or Doctoral Degree received within the last 60 months or currently pursuing.
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12 👁)
  - **Communications and Graphics Design** (6 👁)
  - **Computer, Information, and Data Sciences** (17 👁)
  - **Earth and Geosciences** (21 👁)
  - **Engineering** (27 👁)
  - **Environmental and Marine Sciences** (14 👁)
  - **Life Health and Medical Sciences** (51 👁)
  - **Mathematics and Statistics** (11 👁)
  - **Other Non-Science & Engineering** (13 👁)
  - **Physics** (16 👁)
  - **Science & Engineering-related** (2 👁)
  - **Social and Behavioral Sciences** (30 👁)

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.)