

Opportunity Title: CDC Epidemiology and Data Analysis - Emerging Threats

Team

Opportunity Reference Code: CDC-NCBDDD-2022-0082

Organization Centers for Disease Control and Prevention (CDC)

Reference Code CDC-NCBDDD-2022-0082

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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 3/22/2022 3:00:00 PM Eastern Time Zone

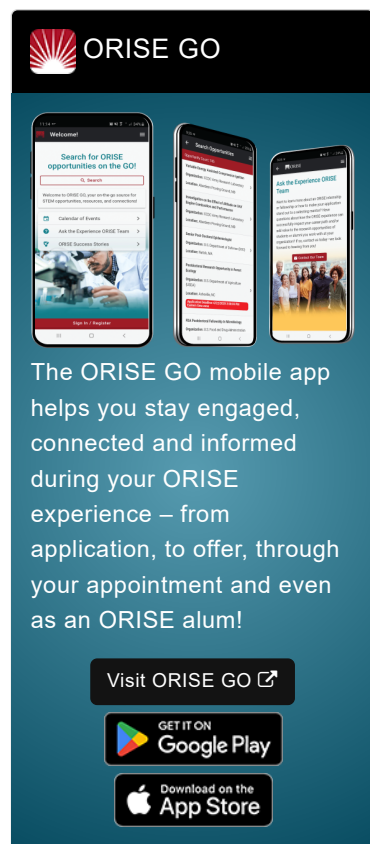
Description *Applications will be reviewed on a rolling-basis.

CDC Office and Location: Two fellowship opportunities are currently available within the Division of Birth Defects and Infant Disorders (DBDID) within the National Center on Birth Defects and Developmental Disabilities (NCBDDD) at the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia.

Research Project: The participant will have the opportunity to gain experience in conducting research and surveillance activities, as well as collecting, reviewing, and analyzing epidemiologic and programmatic data. He/she will train on projects that focus on the role of prenatal exposures on pregnancy and infant outcomes. Prenatal exposures of interest include, but are not limited to: COVID-19, hepatitis C, syphilis, Zika virus, and other infectious diseases; environmental, nutritional, and behavioral factors; and chronic medical conditions. Training will occur under the direction of an assigned Advisor/Mentor.


Learning Objectives: There are several main learning objectives that this appointment could include:

- Gain familiarity with the Surveillance for Emerging Threats for Mothers and Babies Network (SET-NET) which includes mother-baby longitudinally linked surveillance for the US Zika Pregnancy and Infant Registry and adapted surveillance for COVID-19, hepatitis C, syphilis, and other infectious diseases
- Gain familiarity for other Zika surveillance and research projects in Colombia: Proyecto Vigilancia de Embarazadas con Zika (VEZ) and Zika en Embarazadas y Niños (ZEN)
- Enhance skills in performing data management and analysis through the collection, review, and analysis of epidemiologic and programmatic data generated by these surveillance systems and studies, and other projects involving epidemiologic and programmatic data from emerging



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threats surveillance and research work and other relevant infectious diseases during pregnancy and effect on infant health

- Develop protocols and standard operating procedures for surveillance and research activities, leveraging existing surveillance and study platforms to capture pregnancy, birth, clinical and developmental outcomes arising from a range of maternal exposures during pregnancy
- Perform literature reviews and, where needed, systematic review and meta-analyses to describe existing evidence of the influence of infectious diseases and other in-utero exposures on fetal and infant development
- Engage in CDC emergency response efforts
- Collaborate and engage other staff from the National Center on Birth Defects and Developmental Disabilities (NCBDDD), other CDC centers, institutes, or offices, other federal and state organizations and partners, and international health ministries and organizations

Mentor(s): The mentors for this opportunity are Denise Boggs (cln1@cdc.gov), Van Tong (vct2@cdc.gov), and Megan Reynolds (xah6@cdc.gov). If you have questions about the nature of the research please contact the mentor(s).

Anticipated Appointment Start Date: March 2022. 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.

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).

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.NCBDDD@ornl.gov 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, or be currently pursuing one of the degrees with completion by the end of May 2022. Degree

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must have been received within five years of the appointment start date.

Preferred skills:

- Good written and oral communication skills
- Strong data management and analysis skills, with experience in SAS, STATA, or R
- Interest in maternal and child health issues, with a particular interest in the impact of infectious disease during pregnancy on fetal and child development
- Some baseline knowledge or interest in COVID-19, hepatitis C, syphilis, Zika, or infectious disease epidemiology and the epidemiology of STORCH pathogens

**Eligibility
Requirements**

- **Degree:** Master's Degree or Doctoral Degree received within the last 60 months or anticipated to be received by 5/31/2022 11:59:00 PM.
- **Discipline(s):**
 - **Computer, Information, and Data Sciences** ([1](#) 👁)
 - **Life Health and Medical Sciences** ([4](#) 👁)