Opportunity Title: CDC Epidemiology and Data Analysis Fellowship
Opportunity Reference Code: CDC-NCBDDD-2020-0117

Organization	Centers for Disease Control and Prevention (CDC)
Reference Code	CDC-NCBDDD-2020-0117
How to Apply	A complete application consists of:

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- 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.NCBDDD@orau.org. Please include the reference code for this opportunity in your email.
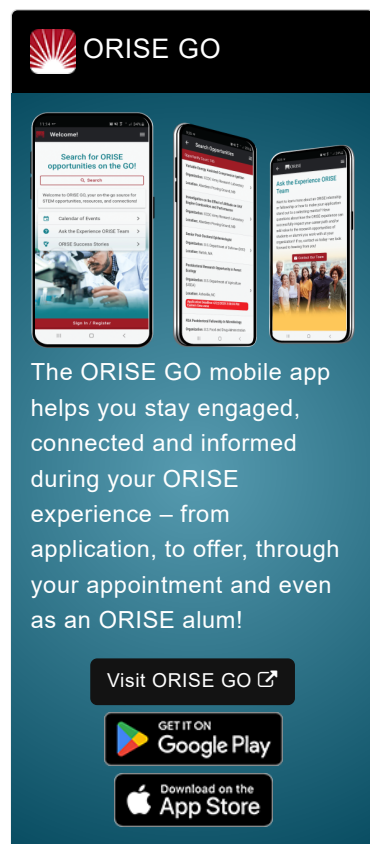
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Application Deadline	7/30/2020 3:00:00 PM Eastern Time Zone
Description	***Applications will be reviewed on a rolling-basis.**

A research opportunity is currently available with the Emerging Threats Team of the Infant Outcomes Monitoring Research and Prevention Branch of the National Center on Birth Defects and Developmental Disabilities (NCBDDD) at the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia.

The selected 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. Under the guidance of a mentor, the participant 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: Zika virus and other infectious diseases; environmental, nutritional, and behavioral factors; and chronic medical conditions. Training will occur under the tutelage and direction of an assigned Advisor/Mentor. There are several main learning objectives of the appointment:

- Gain familiarity with Zika Surveillance and Research Data Systems: US Zika Pregnancy and Infant Registry, Proyecto Vigilancia de Embarazadas con Zika (VEZ) and Zika en Embarazadas y Ninos (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 CDC's Zika virus surveillance and research efforts and other relevant infectious diseases during pregnancy and effect on infant health
- Contribute to the development of protocols and standard operating procedures for surveillance and research activities, leveraging existing surveillance and study platforms to capture pregnancy, birth, developmental outcomes arising from a range of maternal exposures during pregnancy
- Enhance skills in spatial visualization and spatial data analysis
- 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
- Automation of data reports

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- Collaborate with 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

This program, administered by ORAU through its contract with the U.S. Department of Energy to manage the Oak Ridge Institute for Science and Education, was established through an interagency agreement between DOE and CDC. The initial appointment can be up to one year, but may be renewed upon recommendation of CDC contingent on the availability of funds. The participant will receive a monthly stipend commensurate with educational level and experience. Proof of health insurance is required for participation in this program. The appointment is full-time at CDC in the Atlanta, Georgia, area. Participants do not become employees of CDC, DOE or the program administrator, and there are no employment-related benefits.

Qualifications
The qualified candidate should have received a master's or doctoral degree in one of the relevant fields, or are currently pursuing a doctoral degree. Degree 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 extensive experience in SAS, STATA, or R
- Some experience in conducting literature searches and summarizing scientific literature
- 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 Zika or infectious disease epidemiology and the epidemiology of STORCH pathogens
- Evidence of publications in peer-reviewed journals

Eligibility Requirements

- **Degree:** Master's Degree or Doctoral Degree.
- **Discipline(s):**
  - **Computer, Information, and Data Sciences** (6 👁)
  - **Earth and Geosciences** (1 👁)
  - **Life Health and Medical Sciences** (8 👁)
  - **Mathematics and Statistics** (3 👁)
  - **Social and Behavioral Sciences** (1 👁)

Affirmation
I have received a master's or doctoral degree within the past 5 years, or am currently pursuing a doctoral degree.