

Opportunity Title: CDC Birth Defects Surveillance and Research Summer Fellowship

Opportunity Reference Code: CDC-NCBDDD-2022-0184

Organization Centers for Disease Control and Prevention (CDC)

Reference Code CDC-NCBDDD-2022-0184

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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 6/27/2022 3:00:00 PM Eastern Time Zone

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

CDC Office and Location: Five research opportunities are currently available in 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.

The NCBDDD's mission is to improve the health of children and adults by preventing birth defects and developmental disabilities, and complications of heredity blood disorders; promoting optimal child development, and the health and wellness among children and adults living with disabilities.

Research Project: Participants under this fellowship opportunity will train within the Infant Outcomes Monitoring, Research, and Prevention Branch (IOMRPB), DBDID of the NCBDDD at the CDC in Atlanta, Georgia. The IOMRPB conducts birth defects surveillance, research and implements programs to decrease substance exposure in pregnancy, supports global efforts to monitor and prevent birth defects, and responds to emerging threats that impact infant health to improve the care and outcomes for mothers and babies, intervention and prevention activities.

Training will occur under the direction of an assigned Advisor/Mentor.

Participant training involves some or all of the following research projects:

1. Literature searches
2. Participation in surveillance and research projects
3. Translation of scientific research and data into consumer-focused materials
4. Development and evaluation of social media
5. Website management
6. Use of statistical software, analyses of data and summarization of



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findings

- 7. Intervention and prevention activities
- 8. Utilization of MarketScan or other claims or health record data
- 9. Verbal and written presentations of epidemiological studies or surveillance activities at scientific conferences
- 10. Preparation of scientific manuscripts, posters, presentations, and fact sheets, and other information

Learning Objectives: The purpose of this fellowship program is to provide an educational experience to individuals interested in the field of public health and reproductive and birth defects epidemiology. Opportunities are aimed at furthering the health communication science, epidemiological and analytical knowledge of participants. Participants are assigned to train on various projects and can expect to gain valuable learning experiences in the development, implementation, and evaluation of health communication campaigns, surveillance and research study management, database cleaning, data analyses, intervention, prevention strategies, interpretation of the results, writing manuscripts and giving oral presentations.

Mentor(s): The mentor(s) for this opportunity are Van Tong (vtct2@cdc.gov), Jennifer Williams (znv8@cdc.gov), and Shin Kim (dgx5@cdc.gov). If you have questions about the nature of the research please contact the mentor(s).

Anticipated Appointment Start Date: May 16, 2022. Start date is flexible and will depend on a variety of factors.

Appointment Length: The appointment will initially be for five months beginning in the summer, 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

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the application process please email ORISE.CDC.NCBDDD@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, or be currently pursuing the degree with completion before the appointment start date. Degree must have been received within five years of the appointment start date.

Preferred skills:

- 1. Education or experience analyzing data using SAS, SPSS, SUDAAN and/or other statistical software
- 2. Education or experience managing and analyzing large data sets from complex survey designs
- 3. Education or knowledge with R and/or large data sets
- 4. Education or experience conducting analyses in epidemiology, nutritional epidemiology, and/or genetics
- 5. Education or experience conducting scientific literature reviews
- 6. Education or experience producing technical/scientific reports, presentations, and/or manuscripts
- 7. Excellent oral and written communication skills

Eligibility Requirements

- **Degree:** Bachelor's Degree or Master's Degree received within the last 60 months or currently pursuing.
- **Discipline(s):**
 - **Communications and Graphics Design** ([6](#))
 - **Computer, Information, and Data Sciences** ([1](#))
 - **Life Health and Medical Sciences** ([18](#))
 - **Mathematics and Statistics** ([3](#))
 - **Social and Behavioral Sciences** ([5](#))