

**Opportunity Title:** CDC Economic and Epidemiologic Modeling Fellowship

**Opportunity Reference Code:** CDC-NCHHSTP-2020-0125

**Organization** Centers for Disease Control and Prevention (CDC)

**Reference Code** CDC-NCHHSTP-2020-0125

**How to 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.

If you have questions, send an email to [ORISE.CDC.NCHHSTP@ornl.gov](mailto:ORISE.CDC.NCHHSTP@ornl.gov). Please include the reference code for this opportunity in your email.

**Application Deadline** 7/2/2020 3:00:00 PM Eastern Time Zone

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

An opportunity is currently available with the Economics and Modeling Team (EMT), Health Services Research and Evaluation Branch (HSREB) within the Division of STD Prevention of the National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (NCHHSTP), at the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia.

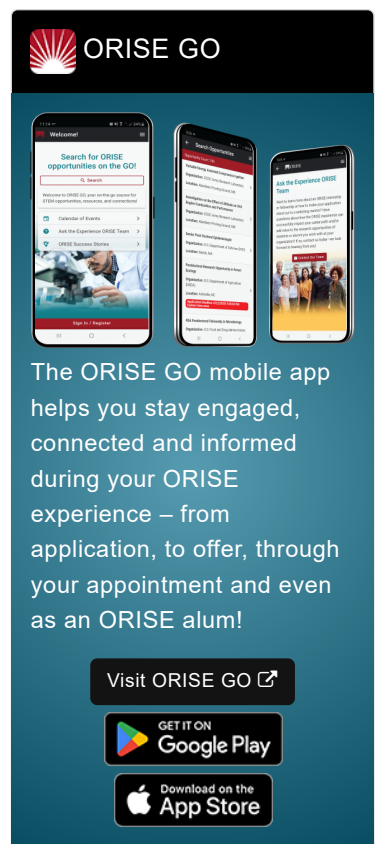
EMT members develop and analyze economic and epidemiologic models related to all sexually transmitted diseases. The selected participant will have the chance to learn about STD modeling, use and develop new data analysis skills, conduct literature reviews, and participate in the process of designing modeling and economic studies.

The selected participant's research will initially focus on one project area: they will be mentored in developing age-specific vaccine impact models of gonococcal vaccine candidates. Upon completion of the vaccine modeling research, future projects could be related to cost-effectiveness models, models exploring the impact of heterogeneous sexual positioning in anatomical site-specific infections, models related to gonococcal antibiotic resistance, and models quantifying the degree of overlap in demographic sexual networks or other areas, depending on the branch's goals and participant's interests.

**Anticipated Appointment Start Date: July 1, 2020**


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 be currently pursuing the degree and will reach completion by July 2020. Degree




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

Preferred skills:

- Experience using R
- Experience with additional computing environments (e.g., Python, Matlab, Stata)
- Experience building and analyzing mathematical models of infection transmission
- Experience submitting and retrieving jobs to and from a computing cluster
- Experience working with data sets, including querying, merging, and consolidating across files

- Eligibility Requirements**

- **Citizenship:** U.S. Citizen Only
  - **Degree:** Master's Degree or Doctoral Degree received within the last 60 months or anticipated to be received by 7/31/2020 11:59:00 PM.
  - **Discipline(s):**
    - **Communications and Graphics Design** ([1](#)👁)
    - **Life Health and Medical Sciences** ([1](#)👁)