

Opportunity Title: Pandemic Data Fellowship

Opportunity Reference Code: CDC-DGMQ-2018-0162

Organization Centers for Disease Control and Prevention (CDC)

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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
- Two educational or professional references

All documents must be in English or include an official English translation.

If you have questions, send an email to CDCrpp@orau.org. Please include the reference code for this opportunity in your email.

Application Deadline 2/6/2019 12:00:00 AM Eastern Time Zone

Description A fellowship opportunity is available in Community Interventions for Infection Control Unit (CI-ICU), Division of Global Migration and Quarantine (DGMQ), National Center for Emerging and Zoonotic Infectious Diseases, at the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia.

The fellow will train with DGMQ, CI-ICU on development of public health programs for pandemic influenza planning, preparedness and response as well as evaluation of public health projects, epidemiological investigations, and literature reviews. This training will include assessing the feasibility, acceptability, and impact of school closures and other nonpharmaceutical interventions; reporting performance measures for science, policy, and communication activities; monitoring dissemination of the non-pharmaceutical guidance for pandemic influenza preparedness and response for state and local health department usage; developing materials used in unit and/or CDC-wide events and activities for use in public health policy or communication; and collaborating with epidemiologists, health scientists, health communicators, and medical officers.

Specific opportunities may include:

- Managing, analyzing, classifying, and presenting data on unplanned school closure announcements that were collected through online systematic searches using an automated data capturing system.
- Comparing the unplanned school closure data that were collected by different methodologies.
- Applying new technology such as machine learning to modify the existing system to reduce the noise level in the data.





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- Cleaning, formatting, evaluating, and analyzing qualitative and quantitative data.
- Conducting literature reviews on nonpharmaceutical interventions.

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 is for 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**
- Bachelor's or master's degree received within the last five years in public health or related field required
 - Knowledge of SAS and/or R, Tableau, Microsoft SQL Server, Java, natural language processing (NLP) desirable.
 - Knowledge and experience in machine learning desirable.

- Eligibility Requirements**
- **Degree:** Bachelor's Degree or Master's Degree received within the last 60 month(s).
 - **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#))
 - **Computer, Information, and Data Sciences** ([16](#))
 - **Engineering** ([27](#))
 - **Environmental and Marine Sciences** ([1](#))
 - **Life Health and Medical Sciences** ([45](#))
 - **Mathematics and Statistics** ([10](#))
 - **Other Non-Science & Engineering** ([1](#))
 - **Physics** ([16](#))
 - **Social and Behavioral Sciences** ([3](#))