

Opportunity Title: Statistical/Mathematical Modeler
Opportunity Reference Code: CDC-NCCDPHP-2016-0079

- Organization** Centers for Disease Control and Prevention (CDC)
- Reference Code** CDC-NCCDPHP-2016-0079
- 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.

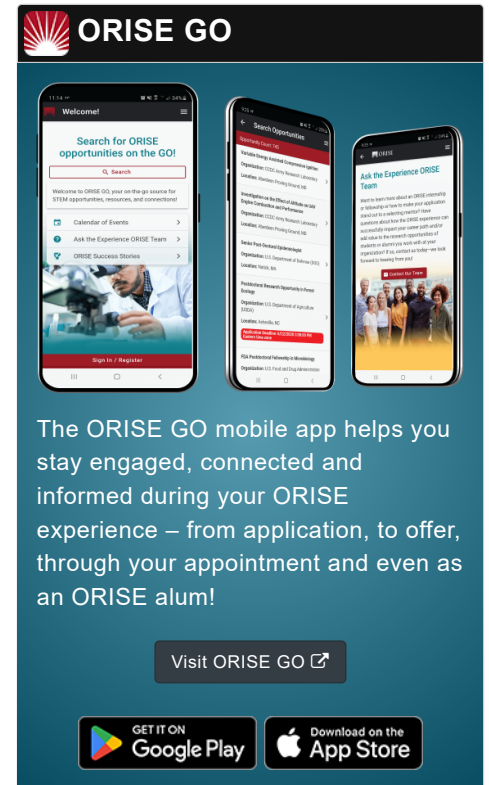
Description A fellowship opportunity is available within the Division of Diabetes Translation (DDT) National Center for Chronic Disease Prevention and Health Promotion (NCCDPHP), at the Centers for Disease Control and Prevention in Atlanta, Georgia.

The research participant will support the health economics/statistical modelling team to develop simulation models used for projecting health and economic burdens of diabetes and evaluating the cost-effectiveness of interventions/policies for the prevention and control of diabetes.

The research participant may be involved in the following activities:

- Applying the existing diabetes simulation models to conduct epidemiological and cost-effectiveness analysis
 - Conducting data analysis to generate the characteristics of the simulation population
 - Running these models for epidemiological and cost-effectiveness analysis
- Conducting a systematic review, meta-analysis, or original data analysis to update the epidemiological and economic parameters used in the existing models
- Preparing tables, figures, and reports from the epidemiological and cost-effectiveness analysis for publications

This program, administered by ORAU through its contract with the U.S. Department of Energy to manage the Oak Ridge



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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 or the program administrator, and there are no fringe benefits paid.

Qualifications

- Master's degree in operation research, biostatistics, or epidemiology within five years of the appointment starting date.
- Knowledge of statistical theory and methods; ability to complete and interpret statistical analyses.
- Knowledge of statistical programming languages and statistical analysis software packages (SAS required; SUDAAN, Stata).
- Knowledge and skills using modeling software (e.g. Excel, TreeAge) is desirable.
- Knowledge of and ability to learn programming languages such as C++ is desirable.

Eligibility Requirements

- **Degree:** Master's Degree received within the last 60 month(s).
- **Discipline(s):**
 - **Life Health and Medical Sciences** (2 )
 - **Mathematics and Statistics** (3 )