Opportunity Title: CDC Epidemiology of Chronic Kidney Disease Fellowship
Opportunity Reference Code: CDC-NCCDPHP-2020-0040

Organization Centers for Disease Control and Prevention (CDC)

Reference Code CDC-NCCDPHP-2020-0040

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.NCCDPHP@orau.org. Please include the reference code for this opportunity in your email.

Application Deadline 2/14/2020 3:00:00 PM Eastern Time Zone

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

CDC's Chronic Kidney Disease (CKD) Initiative conducts a broad range of surveillance and epidemiological studies of kidney disease, public health research focusing on developing and testing evidence-based and cost-effective public health interventions, program implementation, and educating the public and decision makers. The program covers kidney disease research that includes a wide range of designs, from cross-sectional survey to observational longitudinal epidemiology, biomarker and morphometric research studies.

Under the guidance of a mentor, the participant will be involved in the following research activities:

- Conduct analyses using United States survey and healthcare databases and identify factors associated with changes in the epidemiology of CKD, including international comparisons
- Analyze the United States Renal Data System (USRDS) data to examine trends in prevalence of comorbidities and mortality among patients with end-stage renal disease
- Perform systematic reviews of the literature (published and unpublished) and meta-analyses to explore factors associated with low CKD awareness and socio-demographic factors related to disease onset and progression
- Conduct trend analyses of long-term survival, mortality rates, and causes of death among populations with CKD and at risk for CKD. Outcomes will be compared by treatment modality, age, and race/ethnicity.
- Participate in CDC's CKD Initiative to publish articles and reports by aiding with literature reviews, data analyses, graphic and narrative description of results
- Communicate research findings at internal CDC meetings and national conferences

This training is designed to provide specific learning opportunities, as follows:

- Acquire knowledge/experience with statistical methods for estimating the time to event (survival function), and for making inferences about the effects on it of treatments, exposures, prognostic factors

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- Develop skills to manage, analyze, and interpret data from large national United States databases, including the National Health and Nutrition Examination Survey (NHANES), National Health Interview Survey (NHIS), the National Inpatient Sample, USRDS, and Medicare
- Learn to apply validated mathematical compartment models that permit calculation of disease incidence when data on prevalence and mortality exist
- Acquire experience with data imputation methods, c-statistic, and principal component analyses
- Training in statistical programming in SAS® and SUDAAN
- Learn to write high-quality publishable manuscripts of epidemiologic findings

Anticipated Appointment Start Date: June 1, 2020 or later

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 doctoral degree in one of the relevant fields, or be currently pursuing the degree and will reach completion by the start date of the appointment. Degree must have been received within five years of the appointment start date.

Preferred skills:

- Strong programming and analytical skills in SAS, SAS®, SUDAAN, or Stata
- Previous experience with conceptualizing cohort analyses and testing health outcomes in cross-sectional and longitudinal studies

Eligibility Requirements

- **Degree:** Doctoral Degree received within the last 60 months or anticipated to be received by 6/1/2020 11:59:00 PM.
- **Discipline(s):**
  - **Life Health and Medical Sciences** (2 👁)
  - **Mathematics and Statistics** (1 👁)