

Research Opportunity Description
Education and Training Team Fellowship, Division of Diabetes Translation,
Centers for Disease Control and Prevention,
Atlanta, GA

Project Description:

A project is available in the Division of Diabetes Translation (DDT) within the Centers for Disease Control and Prevention in Atlanta, Georgia.

The research fellow will gain experience with analysis of large databases in DDT's Surveillance, Epidemiology, Economics and Statistics Branch (SEESB), as part of the Chronic Kidney Disease (CKD) Initiative. This project will provide critical support to the CDC's CKD Initiative to examine changes in prevalence of comorbidities, survival, and causes of death in the general population with CKD and among patients with kidney failure or end-stage kidney disease (ESKD) in the United States. This is a very significant activity for DDT as CKD is a costly and disabling condition, often leading to premature death.

The fellow will have the opportunity to advance her/his skills to:

- Develop impactful scientific publications that advance health science
- Perform analyses on national US surveillance (NHANES, NHIS, National Hospitalizations Data) and healthcare databases (Medicare and Medicaid) to identify clinical and environmental factors associated with disease incidence and changes in incidence trends.
- Perform semi-supervised cluster analysis to characterize the population with diabetes and identify and prioritize distinctive contributors to the onset of diabetes related CKD and to CKD progression.
- Analysis of the United States Renal Data System (USRDS) data on patients initiating ESKD therapy to examine trends in prevalence of comorbidities and causes of death.
- Systematic reviews of the literature (published and unpublished) and meta-analyses to explore factors associated with low CKD awareness.
- Trend analyses of long-term survival, mortality rates, and causes of death.
- Expand the evidence base for effective approaches that decrease health disparities
- Communication of research findings at internal CDC meetings and national conferences.

The appointment is for one year and may be renewed annually upon recommendation of CDC and subject to availability of funds. The participant will receive a monthly stipend depending on background and experience. The participant must show proof of health and medical insurance. The appointment is full time at CDC in the Atlanta, Georgia, Chamblee campus. Participants do not become employees of CDC or the program administrator, and there are no fringe benefits paid.

Qualifications:

- A PhD or MPH degree in biostatistics, health, population sciences, or sociology is required.
- Good programming and analytical skills in SAS, SAS®, SUDAAN, or Stata are required.
- Experience with developing cohort analyses and testing health outcomes in cross-sectional and longitudinal studies.