

Service Fellow Job Opportunity

Position Title: Senior Service Fellow (Health Economist)

Centers for Disease Control and Prevention (CDC)

Center Name: National Center for Chronic Disease Prevention and Health Promotion

Location: Atlanta, GA

Salary Range: \$96,117 - \$124,955

Work schedule: Full-time

Appointment duration: 1 year subject to annual renewal

Bargaining unit status: Non-BU

Position

The Centers for Disease Control and Prevention (CDC) is the agency Americans trust with their lives. As a global leader in public health, CDC is the nation's premier health promotion, prevention, and preparedness agency. Whether we are protecting the American people from public health threats, researching emerging diseases, or mobilizing public health programs with our domestic and international partners, we rely on our employees to make a real difference in the health and well-being of our people here and around the world.

This position is located in CDC's Office of the Deputy Director for Non-Infectious Diseases (DDNID), National Center for Chronic Disease Prevention and Health Promotion (NCCDPHP), Division of Diabetes Translation (DDT). DDT's mission is to reduce the preventable burden of diabetes through public health leadership, partnership, research, programs, and policies that translate science into practice. Diabetes is one of the most serious public health problems our nation has ever faced, with enormous and far-reaching consequences. DDT's approach is to (1) Measure the impact of diabetes on our nation's health and health care system; (2) Increase awareness of type 2 diabetes risk and the importance of prevention; (3) Translate science into proven, high-quality programs to prevent type 2 diabetes and manage diabetes; (4) Improve access to health care, including prevention and self-management education programs, and (5) Fund partners to expand and support our programs to reach all Americans who need them.

DDT is seeking highly qualified candidates for a full-time Senior Service Fellow position as a Health Economist. The ideal candidate will have experience and subject matter expertise in disease simulation modeling, cost analysis, and cost-effectiveness/utility analysis.

Duties:

The incumbent will:

- Design and program diabetes and other chronic disease computer simulation models using decision-analytic techniques such as decision trees, Markov modeling, optimization modeling, microsimulation modeling, and machine learning; collaborate with program managers and operatives, other scientists, public health experts and officials, and others in utilizing these models to project the long-term health and economic burdens of diabetes and other chronic diseases and to assess the long-term cost-effectiveness of interventions for preventing and managing diabetes and other chronic diseases; prepare and disseminate research findings, and translate the findings to diabetes prevention and control activities.
- Conduct in-depth analyses of large claim and survey data to estimate the economic burdens of diabetes and other chronic diseases; design and implement economic evaluation studies (cost-benefit, cost-effectiveness, and cost-utility) and policy assessments of diabetes intervention activities including

identification of the key research questions; appropriate research methodologies and data sources; application of the appropriate statistical method; preparation and dissemination of findings, and the application and translation of findings to diabetes prevention and control activities.

- Provide advice and consultation with regard to diabetes and chronic disease simulation modeling, cost-analysis, cost-benefit, cost-effectiveness, and cost-utility to scientists and a variety of individuals, groups, and organizations working to prevent diabetes and complications; provide leadership and technical assistance for the development of research and evaluation projects and the implementation of study protocols in research settings.
- Maintain expertise in the area of diabetes and chronic disease simulation modeling and economic evaluation analyses including, but not limited to new research methodologies, findings from ongoing research and projects and scientific literature, and the application of findings; identify significant observations related to diabetes preventive and care services; serve as a primary resource on economic modeling and evaluation issues, and measure the integrity of assessment findings.
- Prepare a variety of technical and nontechnical reports, including manuscripts for publication in peer-reviewed literature.

Qualifications

Basic Qualifications: A degree in economics that includes at least 21 semester hours in economics and 3 semester hours in statistics, accounting, or calculus.

In addition to the basic qualifications, candidates must possess a doctoral degree in health economics, health services/outcome research, decision sciences, operation research, or related field. In addition, highly qualified candidates would possess the following: (1) Experience and subject matter expertise in disease simulation modeling, cost analysis, cost-effectiveness/utility analysis; (2) Experience in analyzing large claim and survey data using SAS, R or other statistical software; (3) At least three years' experience in the design, implementation of disease simulation models, cost, cost-effectiveness/utility studies; (4) A track record of scientific productivity as exemplified by scientific publications and other evidence of effective written communication skills; (5) Expertise and experience in communicating scientific concepts, such as through conference presentations; and (6) Ability to collaborate with other scientific and professional staff on health economics research.

Basic Requirements:

- Both US citizens and non-US citizens are eligible.

Non-US citizens meeting the above degree and specified specialized experience requirements are eligible for noncompetitive appointments under this appointing authority. Citizens of countries on the Non-Aligned list (including China, India, and Switzerland) are eligible for this appointment. Citizens of countries that have been determined by the U.S. Secretary of State to be State Sponsors of Terrorism will not be able to obtain a security clearance to work at CDC and should not be considered for this appointing authority. Countries currently on this list include Iran, Sudan, and Syria. See <http://www.state.gov/j/ct/list/c14151.htm>.

- Successful completion of a background investigation.
- Up to 10% domestic travel may be required.

This position has an education requirement. Upon request, you must submit a copy of your transcripts (or a list of your courses including titles, credit hours completed and grades). Unofficial transcripts will be accepted in the application package; however, official transcripts will be required prior to receiving an official offer. Failure to

submit transcripts or indicated college courses information will cause loss of consideration for this position. Foreign Education: If you are using education completed in foreign colleges or universities to meet the qualification requirements, you must show that the education credentials have been evaluated by a private organization that specializes in interpretation of foreign education programs and such education has been deemed equivalent to that gained in an accredited U.S. education program; or full credit has been given for the courses at a U.S. accredited college or university. For further information, visit: <http://www.cdc.gov/employment/newhire/newhire.html>.

EEO Policy

The United States Government does not discriminate in employment on the basis of race, color, religion, sex (including pregnancy and gender identity), national origin, political affiliation, sexual orientation, marital status, disability, genetic information, age, membership in an employee organization, retaliation, parental status, military service, or other non-merit factor.

How to Apply

Submit the following documentation:

- Resume
- College Transcripts

Documentation should be submitted to:

Ping Zhang at PAZZ@cdc.gov by 11:59 PM DST, Thursday, May 21, 2020