STATISTICIAN (RECENT GRADUATE)

CONSUMER PRODUCT SAFETY COMMISSION

Agency Contact Information
FEW vacancies - Bethesda, MD

Work Schedule is Full Time - Pathways Recent Graduates Program - 2 year appointment with possible conversion to permanent position.

Opened Thursday 9/1/2016
(6 day(s) ago)

⏰ Closes Thursday 9/22/2016
(15 day(s) away)

Salary Range
$53,435.00 to $69,460.00 / Per Year

Series & Grade
GS-1530-09/09

Promotion Potential
13

Supervisory Status
No

Who May Apply
Eligible recent graduates from qualifying educational institutions. Refer to "Qualifications" section for more information.

Control Number
449456200

Job Announcement Number
Job Overview

Summary

About the Agency

Make a Career Connection! We are looking for individuals who would like to come to work for a small, independent regulatory agency dedicated to saving lives. We work very hard to protect the public from the unreasonable risk of injury and death from consumer products. Every U.S. Consumer Product Safety Commission (CPSC) employee is proud to be a part of a team that works together to assure that the products you use every day are safe. Consider a position at the CPSC as your career choice.

Join the team! This position is located in the Directorate for Epidemiology, Division of Hazard & Injury Data Systems, Statistical Support Branch. The Stat Branch is responsible for designing, implementing and operating the various data systems used by the Commission, such as the NEISS, to capture quantitative and qualitative information about deaths and injuries associated with consumer products.

The National Electronic Injury Surveillance System (NEISS) is a national statistical sample of hospital emergency departments that provides CPSC with real-time injury reports on a daily basis. In addition to capturing data on how people are injured while using products under the agency’s jurisdiction, through interagency agreements, the NEISS also collects a broad spectrum of injury data on behalf of other public health agencies like the CDC, NHTSA, and FDA.

Stratified sampling, non-response, imputation of missing values, classification trees, capture-recapture, predictive modeling, and early warning detection are just some of the statistical concepts used with the NEISS. Some programming experience in SAS is preferred, although strong programmers in other computing languages are also encouraged to apply.
Duties

• Maintain the sample design of the National Electronic Injury Surveillance System (NEISS) to provide a basis for interpretation and estimation of the frequency and severity of injuries as reported by the NEISS. The NEISS is a statistically stratified sample of hospital emergency departments (EDs) drawn from across the continental U.S. and Puerto Rico. Each ED in the NEISS sample reports all consumer product-related injuries and illnesses seen in the ED to our agency. The probability-based design of the NEISS allows the Commission, other public health and safety agencies and public data users to compute national injury estimates specific to product groups, age and other characteristics.

• Learn and apply subject matter knowledge about how the NEISS data are reported and collected, along with automatic data processing skills, to develop and maintain quality control systems for the NEISS and any related follow-back or special surveillance studies. Collaborate with non-statistical staff to gather quality control requirements when appropriate and provide training for end users.

• Periodically compute and implement weights based on the NEISS sample design and sample non-response. Develop and maintain generalized mathematical formulas and indices to provide a basis for interpretation and estimation of the frequency and severity of product related injuries as reported by the NEISS.

• Learn and apply knowledge of automatic data processing, demographic data, and of Commission databases to provide annual computer generated tables of summary data for internal and external dissemination, such as product summary reports and Annual Report tables, which may include coefficients of variation and population rates.

• Combine knowledge of automatic data processing with knowledge of statistical theory to develop computer programs for use by Commission staff in the evaluation of data trends for individual products as well as for product groups. Develop presentations explaining the use of the computer programs as well as the interpretation of the results of the computer programs.

• For special projects, learn and use survey questionnaire software to develop survey instruments. Serve as a technical consultant to other Directorate analysts on the use of such questionnaires and create automated programs to perform cursory checks on completed interview data and output analysis data sets.

• Occasionally prepare correspondence, documents and oral presentations to acquaint data users with the limitations and potential uses of Commission data.
Job Requirements

Additional Information

How to Apply

Required Documents

Consumer Product Safety Commission

Contact
HR Specialist
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