Biostatistician Fellowship

Center for Workers’ Compensation Studies (CWCS)
National Institute for Occupational Safety and Health, Cincinnati, Ohio

BACKGROUND – The mission of the CWCS is to support the use of workers’ compensation data to improve workplace safety and health. Workers’ compensation (WC) claims may be filed after a worker is injured or becomes ill due to their job. Claims include the nature of injury/illness, how the injury/illness occurred, the type and cost of medical care received, cost of partial wage replacement, the number of days off work, and injured worker characteristics (occupation, age, sex, time with the employer, etc.). WC data is the largest source of occupational injury information in the United States with millions of claims in state databases. This information has tremendous potential for prevention purposes, but remains largely underutilized. See the CWCS Website: www.cdc.gov/niosh/topics/workerComp/CWCS/.

DUTIES – The Biostatistician Fellow will be responsible for the following duties:

• **Analyzes Data:** Conducts occupational safety and health studies using workers’ compensation data, applying and modifying established methods and applies modeling techniques and procedures in conducting analyses
• **Evaluates Statistical Studies:** Performs evaluation of methodology used in workers’ compensation studies to ensure the results are valid and reliable
• **Provides Advice and Consultation:** Advises CWCS team members concerning statistical matters including the design, development and adaptation of mathematical methods and techniques to statistical processes
• **Evaluates Mathematical Tools and Techniques:** Evaluates data resulting from the application of mathematical statistical tools, models, methods and techniques to occupational safety and health

SKILLS AND ABILITIES – The following background is preferred:

• Excellent statistical analysis skills including logistic and linear regression, Bayesian analyses, ANOVA, Poisson regression, generalized linear mixed models
• Advanced SAS statistical software experience
• Experience with Microsoft office tools - Excel, Access, and SQL
• Interest in occupational safety and health
• Excellent written and verbal communication skills

A doctoral or master’s level degree in Biostatistics, Statistics, Mathematics or a closely related field is preferred.

This is a two-year renewable fellowship. Anticipated start date is 9/2015. Salary and benefits are commensurate with experience. NIOSH is an equal opportunity employer. Non-U.S. citizens are eligible to apply. If interested, please submit a cover letter and resume to cwcs@cdc.gov.