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Internal Job Title: Sr. SAS Programmer

Tracking Code: 291364-561

Job Location: Boston, Massachusetts, United States

Job Type: Full-Time/Regular

Job Description:

The Senior SAS Programmer manages, coordinates and performs analytic programming-related activities for pharmacoepidemiological studies under the Mini-Sentinel pilot. Mini-Sentinel is a pilot project sponsored by the U.S. Food and Drug Administration (FDA) to create an active surveillance system - the Sentinel System - to monitor the safety of FDA-regulated medical products. Mini-Sentinel uses administrative and electronic healthcare data from multiple collaborating and partner institutions around the country. Please see our public website for additional information: [http://www.mini-sentinel.org/](http://www.mini-sentinel.org/).

The Senior SAS Programmer determines appropriate analytic design approaches to research projects and writes SAS programs that are flexible, reusable, scalable, computationally efficient and easily maintainable. These research projects require high-level communication skills for close collaboration with investigators, project managers and other programmer/analysts, both within Harvard Pilgrim Health Care Institute (HPHCI) and with external institutions.

**Duties and Responsibilities:**

- Support analytic and statistical programming activities in the production of analysis datasets and custom analytics.
- Design, code, test and execute SAS programs in an administrative healthcare distributed data network environment.
- Manage, perform and document quality control (QC) testing of SAS programs, in accordance with internal standard operating procedures (SOPs) and guidelines.
- Collaborate with investigators from external institutions on the review, design and implementation of analytic methods.
- Support the training and mentoring of junior programmers.
- Use good judgment and practice in working with highly confidential information. Follow all applicable privacy and confidentiality procedures in daily work.

**Minimum Requirements:**

- MA/MS in related field (e.g., statistics, quantitative social sciences, public health, epidemiology)
- Minimum 5 years of SAS programming experience using study designs and statistical methods that address bias and confounding in observational data (e.g., self-controlled designs, propensity score methods, survival analyses)
- Prior experience analyzing large administrative healthcare data a must (Medicare/Medicaid, other claims-based or electronic medical records databases)
- Experience with medical coding systems (e.g., NDC, ICD-9, HCPCS/CPT, SNOMED CT, LOINC), basic medical terminology and epidemiologic principles a must
- Experience with other data management and analysis software packages (e.g., R, SQL, Stata, etc.) or other programming languages (Java, VB/VBA) a plus
• Demonstrated ability and willingness to learn new technical tools and software applications, and work with variety of data and data sources
• Excellent written and oral communication skills
• Ability to work independently and as a team member
• Strong organizational and problem solving skills.

Harvard Pilgrim Health Care (HPHC) does not accept unsolicited Agency resumes. HPHC will not pay fees to any third party agency or firm that does not have a signed “Employment Agency Agreement” already on file with Human Resources - The Office of Talent Acquisition.

We are an equal opportunity employer.  We evaluate qualified applicants without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, veteran status, or any other protected characteristic.  The EEO is the Law poster is available here.