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FUTURE OF HEALTH CARE

RESEARCH ENGINEER

Requisition ID: [2021-14094](#)

The Center for Health Systems Effectiveness at Oregon Health and Science University provides the analyses, evidence and economic expertise to improve the value of health care service delivery and build a more sustainable US healthcare system.

NOTE: This position has potential for fully remote work.

Position Description

The Research Engineer provides high-level professional support in analytic activities at the Center for Health Systems Effectiveness (CHSE). This individual will participate in the design, data management, analysis and dissemination of findings for a variety of health services research projects. Major components of the work include:

- Working independently under the direction of Principal Investigators and other CHSE staff to design, manage, implement and interpret statistical analyses focused on healthcare expenditures, utilization and quality
- Management of very large administrative health insurance claims datasets
- Data management and statistical analysis using R and Python
- Development of validation processes to ensure data quality
- Automating analyses and ETL operations
- Building processes to leverage grid computing and cloud-based computing resources
- Rigorous documentation of methods and other practices that ensure reproducibility of results
- Innovation and problem-solving at all stages of research
- Contribution to development of project deliverables via writing, interpretation of results, creation of compelling data visualizations and editing
- A commitment to continuing education and self-improvement as well as participation in cross-education and knowledge sharing with other staff via trainings and presentations

Required Qualifications

- Bachelor's Degree in relevant field and 3 years of relevant experience, OR 5 years of relevant experience, OR equivalent combination of training and experience
- Strong coding skills using R or Python
- Demonstrated experience with management and analysis of TB scale datasets



Center for
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EFFECTIVENESS**

- Working knowledge of statistical theory and hypothesis testing, quantitative analysis methods and database management techniques
- Proficiency in research activities including managing, analyzing, and summarizing data; study design, research methodologies
- Ability to exercise sound judgment in making decisions and maintaining thorough documentation of the decision-making process
- Exemplary communication skills and ability to effectively present research findings to diverse audiences within and outside OHSU
- Strong commitment to rigorous research methods, objectivity and accuracy of findings and reproducibility of results

Preferred Qualifications

- Demonstrated experience with management and analysis of administrative data, especially claims data (such as Medicare, Medicaid and private insurance data)
- Experience managing and analyzing multi-terabyte datasets
- Working knowledge of SQL
- Knowledge of grid computing techniques
- Experience working with AWS computing resources
- Experience working in Linux/Unix environment
- Ability to work under minimal supervision
- Knowledge of economics, epidemiology, health services and/or health policy (such as Medicaid reform, long-term services and supports, Coordinated Care Organizations (CCOs) and healthcare payment reform)

Salary & Benefits

- \$68,054-\$102,198/annually, DOE
- OHSU provides eligible employees a set amount of “benefit dollars” each month, based on the employee's designated FTE (full-time or part-time) and classification. The benefit dollars apply toward the cost of benefits with a pre-tax deduction. Most full-time employees do not pay any amount for employee-only coverage for medical, dental and vision coverage.

To Apply

- Visit www.ohsu.edu/human-resources and search for posting [2021-14094](#)

ALL ARE WELCOME

Oregon Health & Science University values a diverse and culturally competent workforce. We are proud of our commitment to being an equal opportunity, affirmative action organization that does not discriminate against applicants on the basis of any protected class status, including age, color, culture, disability, ethnicity, gender identity or expression, marital status, national origin, race, religion, sex, sexual orientation, socioeconomic and veteran status. Individuals with diverse backgrounds and those who promote diversity and a culture of inclusion are encouraged to apply. To request reasonable accommodation contact the Affirmative Action and Equal Opportunity Department at 503-494-5148 or aaeo@ohsu.edu.

www.ohsu.edu/chse