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FUTURE OF HEALTH CARE

# TAF RESEARCH ENGINEER

## RESEARCH ENGINEER III

Requisition ID: [2022-19179](#)

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 Center for Health Systems Effectiveness (CHSE) is devoted to transforming health systems through actionable cross-disciplinary and collaborative research. CHSE has obtained the first-ever national repository of state Medicaid data for research use, the Transformed Medicaid Statistical Information System (T-MSIS) Analytic Files (TAF), from the US Centers for Medicare & Medicaid Services.

The Research Engineer III role provides high-level management of a complex data infrastructure in support of TAF-based research. This position is responsible for building out CHSE's internal TAF analytic framework - including data receipt, file decryption, data staging for analytic use, functions support, and supporting access and use of OHSU's exacloud computing cluster. The position also plays a critical role in supporting cross-institutional use of TAF data via the development of a TAF analytic toolset and management of a corresponding open-source GitHub code repository.

Major components of the work include:

- Manage CHSE internal TAF-based research data infrastructure
- Lead development of the TAF Open Source analytic toolset
- Manage the TAF Open Source Github Repository and assist researchers in using the toolset
- Provide technical support and training to other CHSE analysts and investigators

### Required Qualifications

- Master's degree in relevant field and 3 years of relevant experience, OR Bachelor's degree in relevant field and 5 years of relevant experience, OR 7 years of relevant experience, OR equivalent combination of training and experience
- Expert coding skills using R or Python
- Knowledge of grid computing techniques
- Understanding of Git usage and repository management



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- Project management experience and ability to effectively run large collaborative projects
- Knowledge of software development best practices
- Experience working in Linux/Unix environment
- Strong commitment to rigorous research methods, objectivity and accuracy of findings and reproducibility of results

## Preferred Qualifications

- Expert coding skills using R, Python and SQL
- Demonstrated experience with management and analysis of administrative claims data (such as Medicaid, Medicare and private insurance data) and TB-scale datasets
- Ability to communicate and liaise with external colleagues and customers

## Salary & Benefits

- \$84,892-\$127,337/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](http://www.ohsu.edu/human-resources) and search for posting [2022-19179](https://www.ohsu.edu/jobs/2022-19179)

### 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](mailto:aaeo@ohsu.edu).

[www.ohsu.edu/chse](http://www.ohsu.edu/chse)