Position: Statistician/Data Analyst
Center for Clinical Management Research (CCMR), VA Medical Center, Ann Arbor, MI.
Salary range: Commensurate with experience + benefits.
Start date: Negotiable.
Full-time.

Description: We have an excellent opportunity for a data analyst to join our research team to evaluate and implement ways to make healthcare safer, more effective, and more affordable—particularly focusing on the care of and recovery after infectious diseases. The Veterans Affairs Center for Clinical Management Research (CCMR) is a Health Services Research and Development Center of Innovation located in Ann Arbor, MI; we have a unique mandate to both (a) do fundamental research in data science, health services, and epidemiology, but also (b) work with operational partners in VA, the University of Michigan, and beyond to directly implement discoveries as improvements in care. At CCMR, we bring together teams of scientists, clinicians, and analysts in a particularly open environment to discover ways to make healthcare better, safer, and cheaper.

Responsibilities
- Lead analyses exploring underlying structures of data, develop predictive models as part of a team.
- Develop analytical and statistical plans under the supervision of the principal investigator.
- Prepare statistical methods and results sections for presentations, reports, conferences, manuscripts.
- Stay up to date with emerging methods and implementation of methods using statistical software.
- Write efficient code for processing data utilizing tools such as SQL, SAS, Stata, R, Python.
- Prepare and present weekly reports on project tasks.
- Collaborate with team members to ensure harmonized and reproducible analyses.
- Provide clear and accurate documentation of data processing and analysis, outlining cleaning steps, statistical models and logic.
- Contribute to open science by sharing codes and scripts both internally with colleagues and on open access websites.
- Using SQL and statistical software packages, extract, clean, and standardize data from a large, relational database of nationwide electronic health record data.
- Create processes for assessing quality and accuracy of data.
- Construct variables and create project-specific datasets and data dictionaries, combining diverse domains from the VA electronic health record relational database.

Key Attributes of Successful Candidates
- Comprehensive knowledge of statistical methods.
- Organized, persistent, solution-oriented, and able to trouble-shoot.
- Intellectual flexibility to adapt to emerging results and research.
- Effective communicator, especially when describing complex data models & results.
- Willingness to teach others and learn new techniques.
- Ability to work independently and as part of a team.

Minimum Qualifications
- PhD or Master's degree with 3+ years experience in data science, biostatistics, statistics, public health, bioinformatics, or related quantitative social science field.
- Expertise in at least one statistical software program (e.g. SQL, SAS, Stata, R, Python).
- Knowledge of statistics.
- Commitment to open science and willingness to share statistical code.
- U.S. citizenship is required.

Preferred Additional Qualifications
- 3+ years of experience using relevant statistical software (SAS, Stata, R).
- Proficiency in additional statistical software programs beyond primary programming language.

- Prior experience working on healthcare research or other applied research.
- Prior experience working with electronic health record data.
- Commitment to improving outcomes for Veterans.

What we will offer you
- Opportunity to join a world-class research team
- Ability to solve real-world problems, and thereby make healthcare safer, more effective, and more affordable.
- Experience with extracting, preparing, and analyzing data in the healthcare industry.
- On-the-job training opportunities for professional growth and learning new data-driven skills.
- Collaborative and mission-driven meaningful work environment.
- Co-authorship on manuscripts in academic and healthcare journals.

If interested, please send cover letter and CV to Sarah Seelye at Sarah.Seelye@va.gov