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

Key Attributes of Successful Candidates
- Organized, persistent, solution-oriented, and able to trouble-shoot.
- Intellectual flexibility to adapt to emerging results and research.
- Comprehensive knowledge of statistical methods.
- 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
- Master's degree in data science, biostatistics, statistics, public health, bioinformatics, or related quantitative social science field.
- Expertise in SQL, Python, or similar program.
- Knowledge of statistics and experience using statistical software such as SAS, Stata, R.
- U.S. citizenship is required.

Preferred Additional Qualifications
- 2 years of experience using relevant statistical software (SAS, Stata, R).
- Prior experience working on healthcare research or other applied research.
- Prior experience working with electronic record data.
- Commitment to improving outcomes for Veterans.

What we will offer you

- Experience with extracting, preparing, and analyzing Big Data in the healthcare industry.
- On the job training opportunities for professional growth and to learn new skills for years to come.
- Collaborative and mission-driven meaningful work environment
- Opportunity to lead presentations and write manuscripts for publication in academic and healthcare journals.
- The chance to solve real-world problems, and thereby make health care safer, more effective, and more affordable.

If interested, please send cover letter and CV to Cainnear Hogan at Cainnear.Hogan@va.gov