Nature of Work
The Centers for American Indian and Alaska Native Health (CAIANH) are seeking a statistical analyst/programmer for a research project funded by the Patient Centered Outcomes Research Institute (PCORI).

The study has three goals. The first is to update IHS and Tribal health data in an existing data mart for 15 project sites located throughout the country to study the health status, medical service utilization, and treatment costs for American Indians and Alaska Natives (AIANs) with diabetes and/or heart disease. The second goal is to conduct comparative effectiveness research (CER) on interventions implemented to provide education and case management for AIANs with these conditions.

This position will collaborate with other senior project personnel on data management, analysis, and CER. In addition to these project-specific efforts, the individual in this position will be a member of the CAIANH's multidisciplinary data analysis team and provide limited support to other research efforts.

CAIANH is a center in the Colorado School of Public Health. The overall mission of CAIANH is to advance the health of American Indian and Alaska Native communities by means of research, training, technical assistance, and information dissemination. More information about CAIANH may be found at: http://www.ucdenver.edu/caianh.

Professional Field
Health Services Research, Biostatistics, Epidemiology, Economics, Statistics, Public Health, or a related field

Supervision Received
This position will be supervised by the project’s Research Associate.

Supervision Exercised
Not applicable.

Examples of Work Performed

Data Collection and Management
1. Conduct site-specific analyses of health status, service utilization, and costs to identify, understand, and document data quality issues and the influence of health service delivery on findings.

2. Coordinate data quality assessment activities that include 1) assessing data quality and 2) communicating with participating project sites to learn about their health delivery systems in order to identify and resolve data quality issues.

3. Develop tables and graphs and write statistical reports on health status, health service utilization and treatment costs.

4. Use advanced statistical techniques including but not restricted to logistic, ordinal, and linear regression approaches.

5. Interpret results and contribute to and write publications emanating from the project. Publish in peer reviewed journals.

6. Collaborate with other project personnel and project consultants on data management and analysis, including but not limited to using IHS and Tribal data to estimate treatment costs, providing training and technical assistance to selected tribal sites on project activities, reporting to sponsors and project committees (i.e., Project Planning Group, Steering Committee, Health Information Committee), IRB submissions, and dissemination activities.
7. Present results during conference calls and at meetings involving IHS and Tribal personnel, and at professional meetings.

8. Ensure that all data collection, analysis, and management activities are performed with the utmost attention to participant confidentiality, HIPAA and IRB requirements.

9. Maintain collaborative relationships with project sponsors, IHS and Tribal personnel, consultants, and other project stakeholders to foster successful project development and implementation.

10. Assist with other duties, as necessary.

**Minimum Qualifications**
1. Master's degree and 2 or more years of experience in data management and analysis
2. Intermediate or better experience with SAS

**Required Competencies/Knowledge, Skills, and Abilities**
1. Demonstrated knowledge, skills, and experience with data collection, management of large data sets, quality control, and evaluation techniques using SAS.
2. Demonstrated knowledge of and expertise in the appropriate use of advanced statistical techniques including but not restricted to logistic, ordinal, and linear regression approaches.
3. Ability to understand the social and cultural context of American Indian/Alaska Native communities.
4. Knowledge of, or ability to gain knowledge in, the principles, practices, and standards of care for diabetes and cardiovascular health promotion, disease prevention, and treatment.
5. Understanding of HIPAA and IRB requirements for health care research and programming.
6. Ability to establish and maintain cooperative, supportive relationships with all project stakeholders.
7. Excellent oral and written communication skills; highly organized.

**Preferred Qualifications:**
Demonstrated knowledge of and expertise in analysis of data derived from clinical and administrative databases used by government, private health payers, and health providers preferred.

**Salary Range**
$50,000 - $60,000, commensurate with experience

**To Apply**
Please submit your application online at [www.jobsatcu.com](http://www.jobsatcu.com), including a cover letter, resume, and names of three references as attachments to your application. Job Title: Senior PRA – Statistical Analyst/Programmer. Job Posting #RF02560.

**Application Deadline**
Review of applications will begin on May 26, 2015, and continue until the position is filled.

**Source of Funding**
Improving Health Outcomes among Native Americans with Diabetes and Cardiovascular Disease, 63007107

*The University of Colorado requires background investigations for employment. The University of Colorado is committed to diversity and equality in education and employment.*

**Approval:**

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Kevin L. Jacobs   Date
UCD HR Director