Consulting Survey Statistician

Job Description Summary

MHQP seeks a Consultant Statistician, for 10 to 20 hours monthly, to provide highly technical to support for the statistical analyses of MHQP's patient experience survey results and studies. The Consultant will provide statistical and analytic services to support large scale patient experience surveys that will include:

- Develop sampling methodologies to ensure statistically reliable results at various population levels.
- Conduct psychometric testing to confirm survey domain/composite structure.
- Develop/validate item and composite and scoring methodologies.
- Test survey results for statistical reliability.
- Develop/validate risk adjustment models, incorporating both member and area variables.
- Recommend and implement statistical methodologies to develop performance benchmarks.
- Analyze response rates by survey mode and develop methodology to project future response rates.
- Analyze and interpret survey results across survey items, including analysis by survey demographics, with a focus on disparities in patient experience results by race and ethnicity.
- Design, develop, test, implement and document statistical programming in high-level statistical software packages to implement survey analytic methodologies into operational reporting.
- Assist with grant proposal development by writing data analyses plans, generating, and summarizing power analysis and study methods.
- Document methods and results and reports communicating findings to project team members.

The Consultant will:

- Conduct appropriate statistical analyses in STATA, SAS, or other suitable statistical software tools, including interpreting, preparing graphs and tables, documenting assumptions, and presenting results.
- Support/serve as a technical resource to MHQP staff for various data analysis projects.
- Write and edit statistical methods section of manuscripts and abstracts for presentations and publications (with opportunity for co-authorship).
- Support and coordinate statistical activities with President & CEO, VP of Analytics, and program management staff.

Required Skills, Knowledge, Education:

- Masters/PhD in Biostatistics/ Epidemiology or related quantitative field.
- Highly skilled in statistical packages, including STATA, SAS, R, SPSS. Proficiency with multiple statistical programs preferred.
- At least one year of experience analyzing longitudinal data in the context of a research study.
- Experience with using advanced statistical methods, preparing manuscripts, and presenting results desirable.
- Experience in database software helpful. Knowledge of additional specialized software (e.g. SQL, Python) welcomed.

- Prior survey experience preferred, including knowledge of commonly used survey instruments (e.g. CAHPS, US Census).
- Knowledge of commonly used survey instruments, including CAHPS, American Community Survey.
- Knowledge of the US health care system.

Resume and cover letter should be sent to Jim Courtemanche at jcourtemanche@mhqp.org