Biostatistical Analyst, Health Services Research  
Center for Surgery and Public Health  
Brigham and Women's Hospital  
Boston, Massachusetts

Established in 2005 as a joint initiative of Harvard Medical School (HMS) and the Harvard School of Public Health (HSPH), CSPH’s (Center for Surgery and Public Health) mission is to advance the science of surgical care delivery by studying effectiveness, equity, and value at the health system and population levels, to inform policy, and to provide support for faculty and trainees committed to excellence in surgical health services research (HSR). CSPH’s expertise in HSR also informs its work in addressing the burden of surgical disease in lower and middle-income countries and resource-limited settings.

GENERAL SUMMARY:
The Biostatistical Analyst manages, coordinates, and performs data- and programming-related activities for health services research studies examining the science of surgical care delivery. Functioning very independently and under the general direction of the Principal Investigator, performs complex statistical analyses of health services data often involving cleaning and merging of large administrative datasets. May identify, develop, and implement new computational techniques.

1. Under general supervision of the Principal Investigator, applies, researches, and develops statistical models for analysis, inference, and prediction from a variety of large data bases.
2. In collaboration with investigators and trainees, contributes to scientific literature, reports, journals and presentations.
3. Assists in orientation and training of graduate students, post-doctoral fellows, and other personnel as needed.
4. Participate as a collaborator in the preparation and dissemination of research findings through Other duties as assigned

QUALIFICATIONS:
Master’s degree in quantitative field such as statistics, biostatistics, or epidemiology. Strong academic credentials required. (MPH with concentration in epidemiology and biostatistics is acceptable with appropriate post-graduate experience.)

This position is a good fit for someone with 0-2* years of research experience in analysis of complex health services-related datasets.

*Preference 2+ years of experience

SKILLS/ABILITIES/COMPETENCIES REQUIRED:
• Strong theoretical statistical background and data analysis skills.
• Substantial experience applying sophisticated statistical methods to analyze complex datasets.
• Solid data analysis programming skills using STATA, SAS and/or R.
• Excellent time management/organizational skills.
• Excellent written and verbal presentation skills.
• Ability to work well in a multidisciplinary team setting.
• High degree of initiative and ability to persevere on challenging research problems.
• Willingness to seek and accept guidance from senior personnel, as needed.