Senior Biostatistician, Health Services and Outcomes Research at Children's Mercy Hospitals in Kansas City

http://www.childrensmercy.org/transform/

Consistently ranked among the nation's best children's hospitals, Children's Mercy in Kansas City is integrating innovative clinical care, research and academic advancement and thereby transforming outcomes for half a million children in Kansas City and across the globe.

The Division of Health Services and Outcomes Research is expanding to enhance our all ready strong reputation for sound, effective results by increasing the infrastructure of professionals who collaborate and support faculty across Children's Mercy, partner institutions, and the community. We have mature collaborations with the Saint Luke's Mid America Heart Institute's Cardiovascular Outcomes Research Center, University of Missouri – Kansas City, University of Kansas and University of Kansas Medical Center that provide a rich research environment and support for continued professional development. Our vision is to identify and validate best practices and organize and integrate those practices into health care delivery processes that improve health outcomes for patients.

At this time, we are seeking a Senior Biostatistician to join our team.

The responsibilities of the Senior Biostatistician are to:

· Provide analytical support for research & publication activities within a variety of studies and registries supported by the Division of Health Services and Outcomes Research

   Actively collaborate with researchers and study teams on new studies, including design, planning, study operations, data validation and preparation, analysis and presentation of results

   Manage and monitor the integrity of analytical data to ensure quality, accuracy and timely delivery

   Research, implement and/or develop appropriate tools for managing and analyzing data

   Actively review and implement contemporary statistical methods as appropriate

Organize, present and interpret findings, including assumptions and scope of inference

Assist with writing and critical review of grant proposals, manuscripts abstracts and presentations

Provide support for the assessment of various health care quality improvement initiatives

Assist with didactic training opportunities in advanced methods for researchers

Expertise in any of the following is highly desirable:

· Querying information from large databases, designing and constructing theoretical algorithms and developing statistical models for Functional hierarchical linear models (FHLMs)

Providing expertise in Adaptive designs in clinical trials, nonparametric statistics, Bioinformatics, sequential analysis, quality control theory, time series analysis, applied probability, stochastic processes, and probability theory

Providing expertise in Bayesian analysis in adaptive design, dose ranging studies, biomarker-driven trials, and regulatory issues associated with adaptive design

Assisting in the development of sequential, multiple assignment, randomized trials (SMART) to enable scientists to build adaptive interventions

The successful candidate will have:

· PhD in biostatistics or statistics

3-5 years experience in data management performing statistical analysis and interpretation

Experience with clinical/health services data and large data sets desirable

Strong theoretical understanding of advanced methods including hierarchical/multilevel models

In-depth experience with SAS, macro development, SQL and R/S-Plus (MPlus/Bugs desirable)

Ability to independently determine appropriate methods, including self-study of new methods and implementation or development of new algorithms/code/etc. as needed

Demonstrated excellent organizational skills and attention to detail

Demonstrated ability to program efficiently and generically

Demonstrated outstanding oral and written communication skills

Demonstrated ability to effectively communicate statistical concepts to non-statisticians

Application Instructions: To apply, please submit (1) a current CV, (2) representative publications, and (3) at least two letters of recommendation to physicianjobs@cmh.edu EOE/AA

For more information about this opportunity contact Kathy Goggin, PhD at kgoggin@cmh.edu.

Children's Mercy Hospitals & Clinics is a free-standing, independent pediatric clinical, academic and research medical center with two hospitals which are located in Kansas City, MO, and Overland Park, KS. Our patient population draws from 150 counties in Missouri and Kansas, and from adjoining states.

We have been ranked by U.S. News & World Report as one of "America's Best Children's Hospitals." For the third time in a row, Children's Mercy has achieved Magnet nursing designation, awarded to fewer than seven percent of all hospitals nationally, for excellence in quality care. Our faculty of 600 pediatricians and researchers across more than 40 subspecialties are actively involved in clinical care, pediatric research, and in educating the next generation of pediatric subspecialists. We have more than 20 fellowship programs within the departments of pediatrics, cardiology, surgery, radiology, dentistry, anesthesiology, and pathology.

Children's Mercy's Elizabeth J. Ferrell Fetal Health Center is one of only a handful in the nation – and the first in the Midwest – to provide a comprehensive, integrated delivery approach to improve outcomes for babies born with complex malformations. Our Level 1 Pediatric Trauma Center is the only one in our region. The Ward Family Center for Congenital Heart Disease is expanding to include cardiac transplant

Children's Mercy continues to expand our institutional research capacity and capabilities through our work with colleagues at UMKC, University of Kansas, Saint Luke's Mid America Heart Institute's Cardiovascular Outcomes Research Center, and the Stower's Institute. Our Pediatric Pharmacology

Clinical and Research program with Human Genome Center is one of the nation's largest. We are affiliated with the University of Missouri-Kansas City School of Medicine and are currently working with the University of Kansas Hospital to develop an integrated pediatric department. Children's Mercy is also a core member of Frontiers: The Heartland Institute for Clinical and Translational Research. Funded by a $20 million Clinical and Translational Science Award (CTSA) from the National Institutes of Health and headquartered at the University of Kansas Medical Center, Frontiers collaborates with its partner institutions around the region to bring new cures and therapies to patients faster. Frontiers is one of 62 CTSA sites across the country devoted to transforming translational research.

KANSAS CITY is a major mid-western city located just 250 miles from the geographic center of the United States. With a steady and diverse economy, low traffic congestion and some of the most affordable housing in the nation, Kansas City is one of America's best-kept secrets.

Kansas City encompasses counties in both Kansas and Missouri. Known traditionally for agribusiness and manufacturing, today the metroplex relies on a diversified and stable economy offering a low cost of living, state-of the-art healthcare, leading educational institutions, and an outstanding network of freeways. The metroplex has one of the nation's most affordable housing markets and an outstanding quality of life. It is home to highly rated public, private and parochial schools, diverse technical and vocational programs, specialty institutes, and private and state-affiliated colleges and universities. Outstanding healthcare facilities include leading research and treatment centers that have achieved national and even international recognition.

Kansas City, with its high quality of life, has always been a great place to live, ranking among other large cities in the "Best Cities for Relocating Families." Shopping and restaurants are plentiful and world-class. Performing and visual arts are of the highest caliber. A vibrant live music scene of all types thrives and there are major league sports of all types. Most importantly, Kansas City is a community with a heart – friendly, easy-going, and forward-thinking and a great place to live and pursue a career.