Research Analyst Job Description

Employment Opportunity: DeltaQuest Foundation is seeking a Research Analyst to conduct data management and statistical analysis for research studies related to quality of life in medically ill patient populations. This position involves assistance with statistical programming for data management and statistical analysis; supporting efforts for publishing the dissemination of findings; data quality control and data management; and performance of other duties as assigned.

DeltaQuest is a not-for-profit 501(c)(3) outcome research organization based in Concord, Massachusetts. Founded in 1999, its mission is to implement and facilitate innovative quality-of-life (QOL) research on medically ill patient populations. Activities include international grant- and contract-funded quality-of-life research on chronic and terminal diseases. DeltaQuest works actively with clinicians and organizations related to health care to facilitate evidence-based medicine using patient-reported outcome data. Using self-report tools in combination with clinician-reported and other objective indices, our research program evaluates the impact of medical treatments on individuals' quality of life. Employing cross-discipline statistical methodology from the social sciences, psychometrics, biostatistics, epidemiology and physics, we apply state-of-the-art analytic methods for evaluating the effects of medical treatments, behavioral, psychosocial, and socio-demographic factors on health. Current research is generally related to the following areas:

- Reserve as a protective factor in health and illness;
- Theoretical and methodological foundations to address response shift phenomenon (i.e., adaptation) in longitudinal quality-of-life research;
- Patient-centered outcome tools and assessment methods developed with methods from classical test theory and item response theory with applications for clinical, rehabilitation, pharmacoeconomic, and end-of-life care research;
- Proactive clinical interventions to improve quality of life in chronic illness;
- Qualitative research to understand behavioral processes in quality of life.

Current therapeutic areas:

- Spine surgery
- Hemophilia
• Multiple Sclerosis
• Cystic Fibrosis
• Cancer

**Required Background:** The qualified candidate will have at least a master’s degree in biostatistics; and an ability and willingness to become proficient in the following software.

**Data Analytic**
- STATA 15.0 (This is the most important requirement.)
- SPSS 25
- R
- Mplus 7.11
- IRT PRO

**Other Relevant Software**
- StatTransfer 14
- MS Word 2016
- MS Excel 2016
- MS PowerPoint 2016
- EndNote X8
- Adobe Acrobat
- Ovid, PubMed, and other academic search tools

**Position and Contact Information:**
This is a full-time position with benefits. Salary level dependent upon candidate’s experience and training. Contact info@deltaquest.org.

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