**Psychometric Internship Position**

Endpoint Outcomes is seeking a psychometric intern for either the Boston, MA or Long Beach, CA office. The period of the internship is expected to be June through August 2020, but dates may be flexible. The position is compensated on an hourly basis; expected hours per week are 30-40 hours.

Our psychometrics group utilizes analyses based on current best practice with the goal of bringing modern psychometric advancements to pharmaceutical development rather than relying solely on expedient but antiquated methods.

Psychometric interns are responsible for working on all stages of clinical outcome assessment (COA) development. These responsibilities include assisting with preliminary item generation, study design (both observational and randomized clinical trials), conducting psychometric analyses, and documenting findings in technical reports.

 Specific responsibilities include:

* Reviewing, commenting on, and helping guide item generation;
* Helping design both observational and interventional studies intended to generate data needed for validating COAs;
* Contributing to statistical analysis plans;
* Managing data in order to produce analysis files;
* Conducting psychometric analyses and analyses of treatment efficacy;
* Crafting technical reports detailing the methods and results of each study and analysis;

The ideal candidate is a doctoral student who has completed at least two years of post-undergraduate training. Strong candidates will be well versed in uni- and multidimensional item response theory and classical test theory. In addition, working knowledge of linear and generalized linear mixed models is essential. Experience with either or both factor mixture models and diagnostic classification models is advantageous. Experience applying psychometric methods and/or linear and generalized linear mixed models to epidemiologic and health data is a major advantage. A working familiarity with epidemiologic concepts and corresponding analyses of incidence, prevalence, rates, and risk would be beneficial, but is not required.

Software proficiency in a variety of languages, particularly R and SAS, is expected. Familiarity with other software packages, e.g., flexMIRT or Mplus, is helpful as well. Last, and rather importantly, candidates are expected to be well read and interested in continuing to read the psychometric literature, both journals and books, in order to keep up to date with current developments in the field. An interest in medical research is particularly desirable.

The psychometric intern will work closely with all project team members and will be expected to effectively manage collaborations with fellow research scientists within Endpoint Outcomes.

If you feel you could succeed in a motivated, talented team at the forefront of its field, please submit your CV, together with a cover letter to: careers@endpointoutcomes.com.