

**Position description:** The Research Scientist will be responsible for the statistical analysis of psychometric data from self-reported measures and clinical data from patients with HIV infection. As part of a small research team, the Research Scientist will be involved with projects using modern psychometric techniques, from modifications of CAT algorithms to DIF detection to co-calibration of scales.

Data will include self-reported data from HIV-infected individuals from a nationally distributed network of HIV clinics. The project is part of the PROMIS Initiative (Patient Reported Outcomes Measurement Information System), a large NIH Roadmap Initiative. PROMIS represents the largest NIH project emphasizing methods of modern psychometrics including item response theory and similar models.

The Research Scientist will:

- Participate in research group meetings at which other aspects of data analyses are discussed
- work closely with other members of the research group to craft appropriate analytic strategies for scientific presentations and publications
- assist with manuscript preparation, and may present findings and new statistical applications at professional meetings
- also meet with colleagues performing related research in other content areas, and there will be numerous opportunities to collaborate.

The successful applicant will have good oral and written communication skills and have a quantitative background in statistics, psychometrics/ measurement, quantitative psychology, or biostatistics. Individuals with a history of creative application of these tools in new areas are especially encouraged to apply.

**Requirements**

- Master's degree or higher
- Three years of experience or higher degree
- Ability to use a range of statistical packages such as Stata and R.
- Experience designing and carrying out simulation studies
- Equivalent education/experience may substitute for stated requirements.

**Desired:**

- Ability to work independently and as part of a group
- Strong organizational skills
- Experience with analyses related to HIV or eagerness to learn about HIV
- Experience with psychometric analyses or eagerness to learn additional psychometric skills. Software experience with programs such as ltm for R, Mplus, Parscale, and/or Multilog

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