



Outcome and Measurement Science Team Scientist

The Department of Medical Social Sciences at Northwestern University Feinberg School of Medicine is actively searching for a full-time non-tenure-eligible Team Scientist at the Assistant Professor, Associate Professor, or Professor rank within the Division of Outcome and Measurement Science. The responsibilities for this position are broad and integral to the Department's commitment to providing a unique scientific environment for applied researchers. These researchers specialize in integrating biomedical and social science approaches to enhance health and healthcare delivery across the lifespan (www.mss.northwestern.edu).

MSS offers robust resources to support research, including a diverse scientific portfolio with extensive datasets, biostatistical and health informatics cores, expertise in multi-level assessment methods, and collaborative relationships across Northwestern's biomedical and life sciences campuses. MSS, along with its Center for Patient-Centered Outcomes within the Institute for Public Health & Medicine, houses a substantial array of funded research organized within the Outcomes and Measurement Science (OMS) division. OMS focuses on patient-centered outcomes research, encompassing outcomes measurement via Patient Reported Outcomes (PROs), psychometrics, quality of care, symptom management, and comparative effectiveness research.

The ideal candidate for this role will focus on health applications of psychometric methods and possess an interest in applying various psychometric techniques to health outcomes. Specialized expertise in item response theory (IRT) and its application to item and test analysis, item banking procedures, and applications like computer adaptive testing or complex longitudinal modeling is sought. A particular emphasis on health outcomes, quality of life, and clinical applications of measurement science is of great interest.

This individual will play a crucial role within the Division of Outcomes and Measurement Science and its Psychometrics & Statistics Core. This core places emphasis on the measurement and evaluation of PROs, the use of IRT and CAT for assessing quality of life and functioning, as well as a wide range of traditional analytic methods. The department is particularly interested in candidates whose interests bridge across multiple MSS divisions, encompass various health conditions, and complement ongoing programmatic research. This includes team scientists with research focuses on clinical research, healthcare delivery, developmental measurement science with special populations (e.g., intellectual/developmental disabilities), health disparities-oriented measurement science (e.g., health literacy or cross-cultural validation), quantitative approaches to learning health systems and clinical decision tools, and/or symptom management.

Candidates should have a strong record of scholarly publication and experience leading or collaborating on extramurally funded research. The ideal candidate will actively collaborate on multiple funded studies of patient-centered outcomes and be encouraged to use this as a platform for developing new lines of research. Individuals with experience in managing large-scale studies and data management teams are particularly ideal, as candidates may be. Additionally, active participation in departmental teaching and training activities, as well as university service, is expected and valued.

The start date is negotiable and the position will remain open until filled.

When applying, please upload a CV and cover letter describing your interest and alignment with the position. Also upload this completed [list of references form](#) to suggest the names of individuals who could write letters of reference on your behalf.

Applications accepted here: <https://facultyrecruiting.northwestern.edu/apply/MjE0OA==>



Outcome and Measurement Science Team Scientist

Northwestern strongly recommends COVID-19 vaccinations and boosters for people who can obtain them as a critical tool for minimizing severe illness. More information can be found on the [COVID-19 and Campus Updates](#) webpage.

The Northwestern campus sits on the traditional homelands of the people of the Council of Three Fires, the Ojibwe, Potawatomi, and Odawa as well as the Menominee, Miami and Ho-Chunk nations. We acknowledge and honor the original people of the land upon which Northwestern University stands, and the Native people who remain on this land today.

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Click for information on [EEO is the Law](#).