

## AMERICAN BOARD OF INTERNAL MEDICINE

### **SENIOR PSYCHOMETRICIAN**

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**POSITION SUMMARY:** The Senior Psychometrician is responsible for leading the psychometric activities of several ABIM certification examinations. S/he takes a leadership role in projects researching improved psychometric operational methods and relevant issues in the evaluation of medical education. S/he advises staff on the design of surveys and the management of projects as needed. Occasional travel (all within the continental United States or Canada) is required. The Senior Psychometrician reports to the Director of Psychometric Operational Development.

### **PRINCIPAL DUTIES AND RESPONSIBILITIES:**

- Facilitate standard setting, perform item analysis, score, equate, and conduct validity and reliability studies for several certification examinations.
- Report examination results and related research to physician and non-physician audiences.
- Manage research assistants/data analysts in research projects and operational work.
- Handle inquiries related to examination scoring.
- Conduct independent scholarly research and communicate results to the board and to the research community.
- Collaborate on research and development projects within and across departments.
- Advise on research, measurement, statistical, and systems issues.
- Plan for projects by anticipating work and the required resources, and understand the importance of operational and project planning processes as it relates to the use of company's fiscal and human resources.

### **KNOWLEDGE, SKILLS AND ABILITIES:**

- Strong foundation in the principles of psychometrics.
- High level of understanding and prior experience in item response theory and its application.
- Demonstrated ability in research design and methodologies.
- High level of quantitative/qualitative analytical skills and knowledge of SAS and SPSS.
- Experience with SQL database query language.
- Experience in handling computer-based testing issues (e.g., automatic test assembly, item calibration, item evaluation, and IRT scoring).
- Excellent communication skills, both written and oral.
- Excellent organizational, planning, and problem-solving skills.
- Ability to lead a group process (e.g., standard-setting, key-validation) that involves multiple departments, priorities, and deadlines.
- Capacity in project management, including the ability to adjust timelines as necessary because of unanticipated and/or competing business needs.
- Ability to initiate and lead projects related to psychometrics strategy.
- Ability to oversee projects that involve outside consultants.

### **TRAINING AND EXPERIENCE:**

A doctorate in measurement or closely related field with eight to ten years professional experience.

If you are interested in the above position, please contact Chris Brod in the Human Resources office via email to [resumehr@abim.org](mailto:resumehr@abim.org) or fax your resume to (215) 446-3516.