



PSYCHOMETRICIAN

Our Organization

We are a medical specialty certifying board serving anesthesiologists. Since 1938, we have been administering certification exams and today we take an innovative approach to continuing certification and learning. We foster practice standards that instill confidence and trust that board-certified anesthesiologists have the knowledge and skills to provide high-quality patient care. We are dedicated to elevating expertise in an evolving profession. Our mission is to advance the highest standards of the practice of anesthesiology. We work together with physician anesthesiologists to ensure they provide the best care possible for every patient, every day.

Position Description

Reports to: Lead Psychometrician

This position is responsible for all psychometric activities related to the accurate and timely scoring and reporting of American Board of Anesthesiology (ABA) examinations, including the In-Training Examinations, the BASIC & ADVANCED Examinations, the Part 1 Examination, and the annual subspecialty examinations for Critical Care Medicine, Pain Medicine, Pediatric Anesthesiology, Hospice & Palliative Medicine and Sleep Medicine. This position requires strong analytical and organizational skills, in-depth knowledge of ABA policies and procedures, extreme accuracy and strict attention to detail, and strong written and oral communication skills. This position requires working with multiple other departments within the ABA as well as working with external vendors, including but not limited to our test delivery vendor and others. This position also works closely with the test development department to ensure that examinations are built with high validity, reliability, and defensibility and supports the research activities of the Research Committee.

Education

- Ph.D. in psychometrics, educational measurement, educational psychology, quantitative psychology, statistics, biostatistics, or other closely related quantitative field.

Skills

- Facility with psychometric methods, statistical procedures, and their applications, particularly item response theory, multi-facet Rasch modeling, equating, and scaling.
- Proficiency with R, Python, or SAS.
- Experience with LaTeX is a plus.
- Knowledge of IRT software, equating software, and other key psychometric packages is highly desirable.
- Experience using SQL to query relational database is highly desirable.
- Excellent written and oral presentation skills, excellent interpersonal skills, including the ability to work closely and successfully with individuals from a variety of professional and educational background.
- Ability to set priorities and meet deadlines.
- Demonstrate a commitment to service and continually exhibit a customer service culture.
- Demonstrate dependability for own actions and their consequences, and for the performance of functions and duties of the ABA.

Experience

- Minimum of two years of experience in a state or national testing program, preferably in the medical education field.
- Project management experience highly desired.

- Knowledge of or experience with the Accreditation Council for Graduate Medical Education (ACGME) a plus.
- Knowledge of or experience with American Board of Medical Specialties (ABMS) a plus.

Specific Responsibilities

1. Psychometrics

- Performs operational psychometric analysis, scoring, and reporting for ABA examinations and assessment.
- Conducts standard setting studies for the ABA examinations and assessment.
- Conducts the exam score verification process.
- Provides expertise in the exam development and psychometric activities in general.
- Performs all the other psychometric services as needed to ensure the success of ABA examinations and assessment.

2. Research

- Supports the research efforts of the Board by identifying data needs of research projects, performing analysis, and writing up publications.
- Supports the data reporting needs of the Board.
- Contributes research ideas to support program development and the mission of the Board.

3. Other duties as assigned

Special Requirements

- Ability to lift up to 10 pounds on occasion.
- Ability to sit for extended periods of time.