



## **Fall 2017 CAP Exam Scoring and Equating**

The CAP Program contracts with Assessment Systems for the CAP exam item bank, scheduling of candidates, secure delivery of the computer-based exam, psychometrics, and recertification management.

Assessment Systems analyze data from the CAP exam using Classical Test Theory (CTT) to evaluate item level qualities including item summary information and option level statistics. Assessment Systems makes recommendations for items to retire, exclude, or rekey, and determine a defensible cutscore. For the Fall 2017 exam, Assessment Systems recommended 14 questions for review by SMEs to determine whether suggested adjustments to the key is appropriate and/or items be retired from use in the CAP exam. The primary goal of this analysis is to evaluate the quality of each item using indices including P value and Rpbis, flagging any items that are candidates for removal, revision, or improvement. The Manager, Certification coordinated the CAP Exam Commission (CEC) and Item Writing Panel (IWP) members for a webcast with Assessment Systems psychometrician to evaluate and decide for each of the items needing review. During this webcast discussions were held, and decisions finalized allowing for the final scoring of the CAP exam.

The 2017 Fall Examination was equated to both the 2016 Spring and Fall Examinations and the same pass point applied. The test equating process scales candidates in subsequent administrations within the same scale of measurement as previous forms. Candidates must meet the same standard to pass the examination regardless of the difficulty of the examination form presented to them.