**Background:** Minimal research exists regarding valid methods for assessing Cardiology Fellowship Applicants’ characteristics and Subsequent Clinical Performance during Fellowship Training.

**Aim:** The aim of this study was to evaluate the association between Cardiology Fellowship Applicants’ characteristics and subsequent clinical performance during Fellowship Training.

**Methods:** We conducted a retrospective study of 7 classes of cardiology fellows at Mayo Clinic in Rochester, Minnesota. We reviewed the letters in each subject’s application to determine associations between variables in the standard cardiology fellowship application and validated clinical performance measures during subsequent training.

**Results:** The overall mean evaluation score was 4.07 (±0.18). Internal consistency reliability for the evaluation of candidates to their training programs (Kendall’s W = 0.96) was supported by content and internal structure validity, was the aggregate faculty-of-fellow evaluation scores over the first 2 years of clinical training (10 common items, scale 1-5). Calculations were performed using simple and multiple linear regression analyses.

**Conclusion:** The strength of association for comparative statements in letters of recommendation, particularly letters from training program directors, was significantly associated with clinical performance during Fellowship.

**References:**