

TABLE 2. Medical Education Research Quality Instrument - for quantitative studies

Domain	MERSQI Item	Score	Max Score
Study design	Single group cross-sectional or single group posttest only	1	3
	Single group pretest & posttest	1.5	
	Nonrandomized, 2 groups	2	
	Randomized controlled trial	3	
Sampling	<i>Institutions studied:</i>		3
	1	0.5	
	2	1	
	3	1.5	
	<i>Response rate, %:</i>		
	Not applicable		
	<50 or not reported	0.5	
	50-74	1	
≥75	1.5		
Type of data	Assessment by participants	1	3
	Objective measurement	3	
Validity of evaluation instrument	<i>Internal structure:</i>		3
	Not applicable		
	Not reported	0	
	Reported	1	
	<i>Content:</i>		
	Not applicable		
	Not reported	0	
	Reported	1	
	<i>Relationships to other variables:</i>		
	Not applicable		
Not reported	0		
Reported	1		
Data analysis	<i>Appropriateness of analysis:</i>		3
	Inappropriate for study design or type of data	0	
	Appropriate for study design, type of data	1	
	<i>Complexity of analysis:</i>		
	Descriptive analysis only	1	
Beyond descriptive analysis	2		
Outcomes	Satisfaction, attitudes, perceptions, opinions, general facts	1	3
	Knowledge, skills	1.5	
	Behaviors	2	
	Patient/health care outcome	3	
Total possible score*			18

*Scores range from 5 to 18. Adapted from Reed DA et al. Association between funding and quality of published medical education research. JAMA 2007;298:1002–9.