

MERSQI Scores

Designated scores of individual MERSQI items.

Individual MERSQI domains, items and requirements.	<i>Item score*</i>	Yeh et al.	Jonas et al.	Thomsen et al.	Grodin et al.	Vergmann et al.	Rossi et al.	Solverson et al.
Study design ^a								
Singlegroup posttest only	1	1						
Singlegroup pre- and posttest	1.5				1.5			
Nonrandomized, multiple groups	2			2		2	2	2
Randomized controlled trial	3		3					
Sampling								
Number of institutions studied								
1	0.5	0.5	0.5	0.5		0.5	0.5	0.5
2	1							
>2	1.5				1.5			
Response rate, %								
<50 or not reported	0.5							
50-74	1	1						
>74	1.5		1.5	1.5	1.5	1.5	1.5	1.5
Type of data								
Assessment by participant	1	1						
Objective measurement	3		3	3	3	3	3	3
Validity of evaluation instrument								
Internal structure								
Not reported	0	0	0		0	0	0	0
Reported	1			1				
Content								
Not reported	0	0			0		0	0
Reported	1		1	1		1		
Relationships to other variables								
Not reported	0		0		0			
Reported	1	1		1		1	1	1
Data analysis								
Appropriateness								
Inappropriate for design or type of data	0							
Appropriate for design or type of data	1	1	1	1	1	1	1	1
Complexity of analysis								
Descriptive only	1	1			1			
Beyond descriptive	2		2	2		2	2	2
Outcomes								
Satisfaction, attitudes, perceptions, opinions	1	1						
Knowledge, skills	1.5		1.5	1.5	1.5	1.5	1.5	1.5
Behaviors	2							
Patient/health care outcome	3							

The highest possible score was 18. The six MERSQI domains and total score are highlighted. MERSQI; Medical Education Research Study Quality Instrument; ^a, as categorized in context with desired outcomes; *, the score that would be assigned to a study given it fulfilled the item requirements.