

Supplemental Table. Detailed Quality Appraisal for the 46 Studies

Study	Question										Reporting (n/8)	Question			External Validity (n/2)
	1	2	3	4	5	6	7	8	9	10		11	12	13	
Pearce et al ¹ (2018)	1	1	1	NA	2	1	1	NA	NA	1	8	0	0	NA	0
Clark et al ² (2018)	1	1	1	NA	0	1	1	NA	NA	1	6	1	1	NA	2
Lewis et al ³ (2017)	1	1	1	NA	0	1	1	NA	NA	1	6	0	0	1	1
Esopenko et al ⁴ (2017)	1	1	1	NA	2	1	1	NA	NA	1	8	1	1	NA	2
Gardner et al ⁵ (2017)	1	1	1	NA	1	1	1	NA	NA	1	7	1	1	NA	2
Deshpande et al ⁶ (2017)	1	1	1	NA	0	1	1	NA	NA	1	6	1	1	NA	2
Kuhn et al ⁷ (2017)	1	1	1	NA	1	1	1	NA	NA	1	7	1	1	NA	2
Montenigro et al ⁸ (2017)	1	1	1	NA	0	1	1	NA	NA	1	6	0	0	NA	0
Strain et al ⁹ (2017)	0	1	1	NA	1	0	1	NA	NA	1	5	1	1	NA	2
McMillan et al ¹⁰ (2017)	0	0	0	NA	0	1	1	NA	NA	1	3	0	0	NA	0
Alosco et al ¹¹ (2017)	1	1	1	NA	0	1	1	NA	NA	1	6	0	0	NA	0
Solomon et al ¹² (2016)	1	1	1	NA	1	1	1	NA	NA	1	7	1	1	NA	2
Multani et al ¹³ (2016)	1	1	1	NA	1	1	1	NA	NA	1	7	0	0	NA	0
Koerte et al ¹⁴ (2016)	1	1	1	NA	0	1	1	NA	NA	1	6	1	1	NA	2
Gardner et al ¹⁵ (2016)	1	1	1	NA	1	1	1	NA	NA	0	6	0	0	NA	0
Wright et al ¹⁶ (2016)	1	1	1	NA	2	1	1	NA	NA	1	8	1	1	NA	2
Wilde et al ¹⁷ (2016)	1	1	1	NA	0	1	1	NA	NA	1	6	0	0	NA	0
Amen et al ¹⁸ (2016)	1	1	0	NA	1	0	0	NA	NA	1	4	0	0	NA	0
Hume et al ¹⁹ (2017)	1	1	1	NA	1	1	1	NA	NA	1	7	0	0	NA	0
Vann Jones et al ²⁰ (2014)	1	1	0	NA	0	0	1	NA	NA	1	4	1	1	NA	2

Decq et al ²¹ (2016)	1	1	1	NA		1	1	1	NA	NA	1	7	1	1	NA	2					
Koerte et al ²² (2016)	1	1	0	NA		0	1	1	NA	NA	1	5	0	0	NA	0					
Meehan et al ²³ (2016)	1	1	1	NA		2	1	1	NA	NA	1	8	1	1	NA	2					
Coughlin et al ²⁴ (2015)	1	1	1	NA		1	1	1	NA	NA	1	7	1	1	NA	2					
Stamm et al ²⁵ (2015)	1	1	1	NA		1	1	1	NA	NA	1	7	0	0	NA	0					
Koerte et al ²⁶ (2015)	1	1	1	NA		1	1	1	NA	NA	1	7	1	1	NA	2					
Strain et al ²⁷ (2015)	1	1	1	NA		2	1	1	NA	NA	1	8	1	1	NA	2					
Question							Question							Question							
14	15	16	17	18	19	20	Internal Validity (Bias) (n/4)				21	22	23	24	25	26	Internal Validity-Confounding (Selection Bias) (n/3)		27	Power (n/1)	Total (n/18)
NA	NA	0	0	1	NA	1	2	0	0	NA	NA	1	NA	1	0	NA	1	0	0	11	
NA	NA	0	0	1	NA	1	2	0	1	NA	NA	0	NA	1	0	NA	1	0	0	11	
NA	NA	0	0	1	NA	1	2	0	0	NA	NA	0	NA	0	0	NA	0	0	0	9	
NA	NA	0	0	1	NA	1	2	0	0	NA	NA	0	NA	0	0	NA	0	0	0	12	
NA	NA	0	0	1	NA	1	2	0	0	NA	NA	0	NA	0	0	NA	0	0	0	11	
NA	NA	0	1	1	NA	1	3	1	1	NA	NA	1	NA	3	0	NA	3	0	0	14	
NA	NA	0	0	1	NA	1	2	1	1	NA	NA	1	NA	3	0	NA	3	0	0	14	
NA	NA	0	0	1	NA	1	2	1	1	NA	NA	0	NA	2	0	NA	2	0	0	10	
NA	NA	0	0	1	NA	1	2	0	0	NA	NA	0	NA	0	0	NA	0	0	0	9	
NA	NA	0	0	1	NA	0	1	0	0	NA	NA	0	NA	0	0	NA	0	0	0	4	
NA	NA	0	0	1	NA	1	2	0	0	NA	NA	0	NA	0	0	NA	0	0	0	8	
NA	NA	0	0	1	NA	1	2	1	1	NA	NA	0	NA	2	0	NA	2	0	0	13	
NA	NA	0	0	1	NA	1	2	0	0	NA	NA	0	NA	0	0	NA	0	0	0	9	
NA	NA	0	0	1	NA	1	2	1	0	NA	NA	0	NA	1	0	NA	1	0	0	11	

NA	NA	0	0	1	NA	1	2	1	0	NA	NA	0	NA	1	0	0	9
NA	NA	1	0	1	NA	1	3	1	1	NA	NA	0	NA	2	0	0	15
NA	NA	0	0	1	NA	1	2	0	0	NA	NA	0	NA	0	0	0	8
NA	NA	0	0	1	NA	1	2	0	0	NA	NA	1	NA	1	0	0	7
NA	NA	0	0	1	NA	1	2	1	1	NA	NA	0	NA	2	0	0	11
NA	NA	0	0	1	NA	1	2	1	1	NA	NA	0	NA	2	0	0	10
NA	NA	0	0	1	NA	1	2	1	1	NA	NA	0	NA	2	0	0	13
NA	NA	0	0	1	NA	1	2	0	0	NA	NA	0	NA	0	0	0	7
NA	NA	0	0	1	NA	1	2	1	1	NA	NA	0	NA	2	0	0	14
NA	NA	0	0	1	NA	1	2	1	1	NA	NA	0	NA	2	0	0	13
NA	NA	0	0	1	NA	1	2	1	1	NA	NA	0	NA	2	0	0	11
NA	NA	0	0	1	NA	1	2	0	0	NA	NA	0	NA	0	0	0	11
NA	NA	0	0	1	NA	1	2	1	1	NA	NA	1	NA	3	0	0	15

	Question										Reporting (n/8)			Question			External Validity (n/2)
Study	1	2	3	4	5	6	7	8	9	10	11	12	13				
Terry et al ²⁸ (2015)	1	1	1	NA	2	1	1	NA	NA	1	8	1	1	NA	2		
Casson et al ²⁹ (2014)	1	1	1	NA	1	1	1	NA	NA	1	7	1	1	NA	2		
Tremblay et al ³⁰ (2014)	0	1	0	NA	1	1	1	NA	NA	1	5	0	0	NA	0		
Hart et al ³¹ (2013)	1	1	1	NA	1	1	1	NA	NA	1	7	1	1	NA	2		
Hampshire et al ³² (2013)	1	1	0	NA	0	0	0	NA	NA	1	3	0	0	NA	0		
Pearce et al ³³ (2014)	1	1	1	NA	1	1	1	NA	NA	1	7	0	0	NA	0		
Seichepine et al ³⁴ (2013)	1	1	1	NA	0	1	1	NA	NA	0	5	0	0	NA	0		
Randolph et al ³⁵ (2013)	0	0	0	NA	0	0	1	NA	NA	0	1	0	0	NA	0		

Tremblay et al ³⁶ (2013)	1	1	1	NA	1	1	1	NA	NA	1	7	0	0	NA	0
Ford et al ³⁷ (2013)	1	1	1	NA	1	1	1	NA	NA	1	7	1	1	NA	2
Willeumier et al ³⁸ (2012)	1	1	1	NA	1	1	1	NA	NA	1	7	1	1	NA	2
Amen et al ³⁹ (2011)	1	1	1	NA	1	1	1	NA	NA	0	6	1	1	NA	2
Hinton et al ⁴⁰ (2011)	1	1	1	NA	1	1	1	NA	NA	1	7	1	1	NA	2
De Beaumont et al ⁴¹ (2009)	1	1	1	NA	1	1	1	NA	NA	0	6	0	0	NA	0
Thornton et al ⁴² (2008)	0	1	1	NA	1	1	1	NA	NA	1	6	1	1	NA	2
Guskiewicz et al ⁴³ (2005)	1	1	0	NA	1	1	1	NA	NA	1	6	0	0	NA	0
Downs and Abwender ⁴⁴ (2002)	1	1	0	NA	0	1	1	NA	NA	0	4	0	0	NA	0
Murelius and Haglund ⁴⁵ (1991)	0	1	0	NA	0	0	1	NA	NA	0	2	0	0	NA	0
Casson et al ⁴⁶ (1984)	1	1	1	NA	1	1	0	NA	NA	0	5	0	0	NA	0

Abbreviation: NA, not applicable.

Question							Question							Question	Power	Total	
14	15	16	17	18	19	20	Internal Validity (Bias) (n/4)	21	22	23	24	25	26	Internal Validity-Confounding (Selection Bias) (n/3)	27	(n/1)	(n/18)
NA	NA	0	0	1	NA	1	2	1	1	NA	NA	1	NA	3	0	0	15
NA	NA	0	0	1	NA	1	2	1	0	NA	NA	0	NA	1	0	0	12
NA	NA	0	0	1	NA	1	2	1	0	NA	NA	0	NA	1	0	0	8
NA	NA	0	0	1	NA	1	2	1	1	NA	NA	0	NA	2	0	0	13
NA	NA	0	0	1	NA	1	2	0	0	NA	NA	0	NA	0	0	0	5
NA	NA	0	0	1	NA	1	2	0	0	NA	NA	0	NA	0	0	0	9
NA	NA	0	0	1	NA	1	2	1	0	NA	NA	0	NA	1	0	0	8
NA	NA	0	0	1	NA	1	2	0	0	NA	NA	0	NA	0	0	0	3

NA	NA	0	0	1	NA	1	2	0	0	NA	NA	0	NA	0	0	0	9
NA	NA	0	0	1	NA	1	2	0	0	NA	NA	0	NA	0	0	0	11
NA	NA	0	0	1	NA	1	2	1	0	NA	NA	0	NA	1	0	0	12
NA	NA	0	0	1	NA	1	2	0	0	NA	NA	1	NA	1	0	0	11
NA	NA	0	0	1	NA	1	2	1	1	NA	NA	1	NA	3	0	0	14
NA	NA	0	0	1	NA	1	2	1	0	NA	NA	0	NA	1	0	0	9
NA	NA	0	0	1	NA	1	2	1	1	NA	NA	0	NA	2	0	0	12
NA	NA	0	0	1	NA	1	2	0	1	NA	NA	0	NA	1	0	0	9
NA	NA	0	0	1	NA	1	2	1	1	NA	NA	0	NA	2	1	1	9
NA	NA	0	0	1	NA	1	2	1	1	NA	NA	0	NA	2	0	0	6
NA	NA	0	0	1	NA	1	2	0	0	NA	NA	0	NA	0	0	0	7

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