

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

Decq et al <sup>21</sup> (2016)	1	1	1	NA		1	1	1	NA	NA	1	7		1	1	NA	2							
Koerte et al <sup>22</sup> (2016)	1	1	0	NA		0	1	1	NA	NA	1	5		0	0	NA	0							
Meehan et al <sup>23</sup> (2016)	1	1	1	NA		2	1	1	NA	NA	1	8		1	1	NA	2							
Coughlin et al <sup>24</sup> (2015)	1	1	1	NA		1	1	1	NA	NA	1	7		1	1	NA	2							
Stamm et al <sup>25</sup> (2015)	1	1	1	NA		1	1	1	NA	NA	1	7		0	0	NA	0							
Koerte et al <sup>26</sup> (2015)	1	1	1	NA		1	1	1	NA	NA	1	7		1	1	NA	2							
Strain et al <sup>27</sup> (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	0		11	
NA	NA	0	0	1	NA	1	2					0	1	NA	NA	0	NA	1		0	0		11	
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		12	
NA	NA	0	0	1	NA	1	2					0	0	NA	NA	0	NA	0		0	0		11	
NA	NA	0	1	1	NA	1	3					1	1	NA	NA	1	NA	3		0	0		14	
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	1	NA	NA	0	NA	2		0	0		10	
NA	NA	0	0	1	NA	1	2					0	0	NA	NA	0	NA	0		0	0		9	
NA	NA	0	0	1	NA	0	1					0	0	NA	NA	0	NA	0		0	0		4	
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					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		9	
NA	NA	0	0	1	NA	1	2					1	0	NA	NA	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										Question				
Study	1	2	3	4	5	6	7	8	9	10	Reporting (n/8)			11	12	13	External Validity (n/2)	
Terry et al <sup>28</sup> (2015)	1	1	1	NA	2	1	1	NA	NA	1	8			1	1	NA	2	
Casson et al <sup>29</sup> (2014)	1	1	1	NA	1	1	1	NA	NA	1	7			1	1	NA	2	
Tremblay et al <sup>30</sup> (2014)	0	1	0	NA	1	1	1	NA	NA	1	5			0	0	NA	0	
Hart et al <sup>31</sup> (2013)	1	1	1	NA	1	1	1	NA	NA	1	7			1	1	NA	2	
Hampshire et al <sup>32</sup> (2013)	1	1	0	NA	0	0	0	NA	NA	1	3			0	0	NA	0	
Pearce et al <sup>33</sup> (2014)	1	1	1	NA	1	1	1	NA	NA	1	7			0	0	NA	0	
Seichepine et al <sup>34</sup> (2013)	1	1	1	NA	0	1	1	NA	NA	0	5			0	0	NA	0	
Randolph et al <sup>35</sup> (2013)	0	0	0	NA	0	0	1	NA	NA	0	1			0	0	NA	0	

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