

Supplemental Information

MODIFIED NEWCASTLE-OTTAWA SCORING GUIDE

The scoring guide for the Newcastle-Ottawa Scale^{40,83} was as follows:

1. representativeness of the sample:
 - 1 point: the sample population was representative of the community from which it was drawn; 0 points: the sample population was drawn from a selected group or was not representative of the community from which it was drawn;
2. sample size: 1 point: the sample size was >200 participants; 0 points: the sample size was <200 participants or a convenience sample;
3. nonrespondents: 1 point: comparability between respondent and nonrespondent characteristics was established, and the response rate was satisfactory; 0 points: the response rate was unsatisfactory, the comparability between respondents and nonrespondents was unsatisfactory, or there was no description of the response rate or the characteristics of the responders and the nonresponders;
4. ascertainment of outcomes: 1 point: validated measurement tool using a validated cutoff score; 0 points: nonvalidated measurement tool or validated measurement tool with a nonvalid cutoff score; and
5. quality of descriptive statistics reporting: 1 point: descriptive statistics were reported to describe the population (eg, age, sex) with proper measures of dispersion (eg, SD, SE, range); 0 points: descriptive statistics were not reported, were incomplete, or did not include proper measures of dispersion.

SUPPLEMENTAL TABLE 2 Ratings from the Modified Newcastle-Ottawa Scale to Quantify Overall Risk of Bias

	Representativeness	Size	Comparability	Outcome	Statistics	Total
Mills et al ¹⁹	1	1	0	1	1	4
Boyd et al ²¹	1	1	0	1	1	4
Mills et al ²⁰	1	1	0	1	1	4
Mills et al ²²	1	1	0	1	1	4
Kisely et al ³⁹	1	1	0	1	1	4
Abajobir et al ²³	1	1	0	1	1	4
Abajobir et al ²⁴	1	1	0	1	1	4
Abajobir et al ²⁵	1	1	0	1	1	4
Abajobir et al ³⁶	1	1	0	1	1	4
Mills et al ²⁶	1	1	0	1	1	4
Kisely et al ³⁰	1	1	0	1	1	4
Kisely et al ⁴⁰	1	1	0	1	1	4
Abajobir et al ²⁸	1	1	0	1	1	4
Abajobir et al ²⁷	1	1	0	1	1	4
Abajobir et al ³¹	1	1	0	1	1	4
Abajobir et al ³⁵	1	1	0	1	1	4
Abajobir et al ³³	1	1	0	1	1	4
Abajobir et al ³⁴	1	1	0	1	1	4
Abajobir et al ³²	1	1	0	1	1	4

This scale, the scoring total of which ranges from 0 to 5, is used to assess quality in several domains: sample representativeness and size, comparability between respondents and nonrespondents, ascertainment of outcomes, and statistical quality. Studies were judged to be of low risk of bias (≥ 3 points) or high risk of bias (< 3 points).

SUPPLEMENTAL REFERENCES

83. Wells GA, Shea B, O'Connell D, et al. The Newcastle-Ottawa Scale (NOS) for

assessing the quality of nonrandomised studies in meta-analyses. Available at: www.ohri.ca/

programs/clinical_epidemiology/oxford.asp. Accessed April 30, 2020