

## Appendix

**Table S1** Quality assessment of studies included in this umbrella review.

	Yan-Jie Zhao [21] (2020)	Liqing Zhang [10] (2020)	Jude Cénat [22] (2020)	Jude Cénat [23] (2021)	Dan Qiu [24] (2020)	Gayathri Delaneroll [25] (2022)	Fang C. Fan [26] (2021)	Surapon Nochaiwong [27] (2021)	Ninik Yunitri [28] (2021)	Peter Phiri [29] (2021)	Jessica Cooke [30] (2020)
Include the components of PICO	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
The review methods were established prior	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	Yes
Explain their selection of the study designs for inclusion	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Use a comprehensive literature search strategy	-	Yes	-	Yes	-	Yes	Yes	Yes	Yes	Yes	Yes
Perform study selection in duplicate	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Perform data extraction in duplicate	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Provide a list of excluded studies and justify the exclusions	-	-	-	-	Yes	Yes	No	No	Yes	Yes	No
Describe the included studies in adequate detail	-	Yes	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Use a satisfactory technique for assessing the risk of bias	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

in individual studies that  
were included in the review

Report on the sources of funding for the studies included in the review	No	No	No	No	No	No	No	No	No	No	No
Use appropriate methods for statistical combination of results	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Assess the potential impact of RoB in individual studies on the results of the meta-analysis or other evidence synthesis	Yes	Yes	No	Yes	Yes	No	Yes	Yes	No	No	No
Account for RoB in individual studies when interpreting/discussing the results of the review	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Provide a satisfactory explanation for, and discussion of, any heterogeneity observed in the results of the review	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Carry out an adequate investigation of publication bias (small study bias) and discuss its likely impact on the results of the review	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes

Report any potential sources of conflict of interest, including any funding they received for conducting the review	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Total	Moderate	Low	Moderate	Low	Moderate	Low	Low	Critically low	Low	Moderate	Moderate

---