

SUGGESTED Review Sheet of Meta-analyses and Systematic Reviews of Patient-Reported Outcomes

Reviewer Name: _____

Citation

Meta analysis Yes No

Systematic Review Yes No

Brief Description of Intervention(s) or Treatment(s) Being Evaluated in Meta-analysis/Systematic Review

Specify:

1. Description of literature search KEYWORDS

Specify:

Multiple electronic databases (list)

Check of citations of eligible articles: Yes No

Contact with key informant: Yes No

Search for abstracts of meetings: Yes No

Contact with any sponsors of research: Yes No

Search for dissertations: Yes No

2. Description of data extraction process

Specify the process for review of abstracts and for review of articles

Multiple abstractors: Yes No

Measure of agreement: Yes No

If Yes, what measure of agreement was used

3. How many studies were retrieved and retained?

- Abstracts Retrieved:
- Abstracts Retained

- Articles retrieved
- Articles retained

Other:

- Final articles retained:

4. Was quality assessed?

Yes No

If YES, how and by whom

List criteria:

Multiple reviewers of quality?: Yes No

Measure of agreement on quality of article?: Yes No

If Yes, what measure of agreement was used

Quality assessed using the following:

- Existing standardized aggregated score
- Aggregated score created for this review
- Disaggregated individual quality items

If treatment studies, were the following used in quality review:

-Concealment: Yes No

-Blinding: Yes No

-Loss to follow-up: Yes No

5. Type of studies retrieved

- **Randomized Controlled Trial** **how many?**
- **Nonrandomised study** **how many?**

6. Did the authors provide a conceptual definition of what the instruments used in each article measured? For example, did they claim the instrument measured quality of life or provide a definition of the PRO used, such as functional status or physical function

Yes No for each article

What percentage of articles provided a “label” or definition of the concept being measured?

7. Was the concept (such as QoL or physical function) measured in all studies deemed eligible for review?

Yes No

If No, give number of studies where the concept was measured out of the total:

References for all the articles included in the systematic review or meta analysis:

Specify:

8. PRO Measure(s)

<i>Instrument</i>	<i>Domain</i>	<i>Instrument Validation Reference Included?</i>		<i>Generic or Specific?</i>	
		Yes	No	Generic	Specific
		Yes	No	Generic	Specific
		Yes	No	Generic	Specific
		Yes	No	Generic	Specific
		Yes	No	Generic	Specific
		Yes	No	Generic	Specific
		Yes	No	Generic	Specific
		Yes	No	Generic	Specific

9. Was the PRO considered as primary or secondary endpoint by the authors?

- Primary endpoint
- Secondary endpoint
- Not specified

10. Describe methods used to “pool” PRO data in the meta analysis

- "Pooling" not possible

Give reasons

- Brief description of methods used

Specify:

Weighted mean difference: Yes No

Effect size with between-person SD: Yes No

Effect size using mixed between-person SD and within-person SD: Yes No

Dichotomized outcome with pooling method for binary outcome: Yes No

Other: Yes No please specify

**11. What was the relationship/association between TREATMENT(S) ASSIGNMENT & PRO?
(Attach tables/figures for each article on this relationship or abstract them)**

Treatment improved quality of life

Please specify which treatment and QOL measure:

No significant relationship/association

Please specify which treatment and QOL measure:

Treatment worsened quality of life

Please specify which treatment and QOL measure:

No mention of relationship/association of treatment assignment and quality of life

12. Was the magnitude of treatment effect related to magnitude of change in the PRO, such as amount of weight loss observed related to the amount of change in the obesity-related QoL measure?

Yes

No

13. If yes, what was the direction of the relationship?

greater improvement in QOL

QOL measure: _____

greater reduction in QOL

QOL measure: _____

Not reported

QOL measure: _____

14. Were Quality of life results translated into clinical meaningful terms? Yes

No

Minimally important difference *Describe:* _____

An anchor *Describe:* _____

- Other *Describe:* _____
- Dichotomized outcome with absolute benefit;
- Dichotomized outcome with absolute benefit and NNT;
- Effect size conversions back to natural units;
- Responder analysis

15. Who funded the study? _____

Check all that apply:

- Government
- Industry
- Foundation
- Other
- Not reported