

RAPID CRITICAL APPRAISAL OF A DESCRIPTIVE STUDY

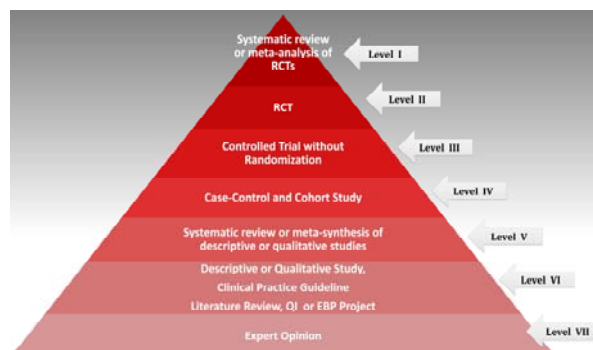
PROJECT DESCRIPTION/LEVEL OF STUDY

Project title:

Date:

Reviewer(s) name(s):

PICOT Question:



Article citation (APA):

Indicate the level of the study you are appraising:

Recommendation for article inclusion in the body of evidence to answer your question:

GENERAL DESCRIPTION OF STUDY

OVERVIEW

- 1. Purpose of study, including research question(s) or hypotheses:**
- 2. Design/Method:**
- 3. Sample:**
- 4. Setting:**
- 5. Data Collection:**

QUALITY OF STUDY

VALIDITY: Are the results of the study valid?

1. Were the study/survey methods appropriate for the question?

Yes No Unknown

2. Were the study/survey methods clearly described?

Yes No Unknown

3. Were instruments used to measure the outcomes valid and reliable?

Yes No Unknown

- Were the instruments tested to be valid and reliable? Yes No
- What statistic was reported and what was the finding? (Cronbach's alpha/Other?)

4. Were all appropriate variables and interventions clearly described?

Yes No Unknown

5. Were outcomes appropriate for the question?

Yes No Unknown

6. Were outcomes clearly described?

Yes No Unknown

7. Was sampling clearly described?

Yes No Unknown

8. Were all participants accounted for throughout the duration of the study?

Yes No Unknown

- What was the rate of attrition? _____
- What reasons were given to explain why subjects did not complete the study?

(Note: If greater than 20% were lost to follow-up, bias may be of greater concern)

9. Was there freedom from conflict of interest?

Yes No Unknown

- Sponsor/funding agency
- Investigators

10. Was the date range of the cited literature current?

Yes No Unknown

- What date ranges were included? ? _____ to _____
 - If older literature was included, why was it included?

RELIABILITY: Are these valid study results important?

11. What were the results?

12. Was measurement of the intervention(s) appropriate?

Yes No Unknown

13. Was measurement of the intervention(s) clearly defined?

Yes No Unknown

14. Was measurement of the outcome(s) appropriate?

Yes No Unknown

15. Was measurement of the outcome(s) clearly defined?

Yes No Unknown

16. Did the study have a sufficiently large sample size?

Yes No Unknown

- Was a power analysis conducted? Yes No
- Did the sample size achieve or exceed the power analysis requirement? Yes No
- Did each subgroup also have sufficient sample size? Yes No

17. What were the main results of the study?

- Statistical Significance (p value) _____
- Confidence Interval and/or Standard Deviations _____
- How precise was the intervention/treatment?
 - Narrow? Wide? _____
- Effect size _____

18. Were the results clinically significant?

Yes No Unknown

- Were the following reported: NNT, NNH, OR, RR? Yes No

19. Were potential confounders identified?

Yes No Unknown

- Were the potential confounders discussed in relationship to the results? Yes No

20. Were safety concerns including risks/benefits identified?

Yes No Unknown

- Were they described? Yes No

APPLICABILITY/TRANSFERABILITY: Can I apply these valid, important study results?

21. Can the results be applied to my population of interest? Yes No Unknown

- Is the treatment feasible in my care setting? Yes No
- Do the outcomes apply to my population of interest? Yes No
- Are the likely benefits worth the potential harm and costs? Yes No
- Were the subjects/participants in this study similar to my population of interest? Yes No
- Were all clinically important outcomes considered? Yes No

22. Will you include the article/study in your practice decision to make a difference in outcomes? Yes No Unknown

- If yes, why would you do this & how would you do this?
- If no, why would you not include the results to make a difference?

STRENGTH OF STUDY

Level of study: I, II, III, IV, V, VI, VII *(Select one)*

Quality of study: High | Medium | Low *(Select one)*

STRENGTH = LEVEL + QUALITY

What is the strength of the study?

What is your recommendation for article inclusion in the body of evidence to answer your question?

- Include this article in the body of evidence (place article on evaluation & synthesis tables)
- Do NOT include this article in the body of evidence

Additional Comments: