Project/Topic of your Clinical Question:

Reviewer: ____________________ Today’s Date: ____________________ Final Evidence Level: ____________________

Article Title: ____________________ Mixed Methods

First Author: ____________________ Qualitative ________

Year: ____________________ Quantitative ________

Journal: ____________________

Do the study aim/purpose/objectives and inclusion/exclusion criteria assist in answering your clinical question?

☐ Yes ☐ No ☐ Unknown

• Study Aim/Purpose/Objectives:

• Inclusion Criteria:

• Exclusion Criteria:

Is a mixed methods study congruent with the author’s study purpose above?

☐ Yes ☐ No ☐ Unknown

Comments:

When reading the bolded questions, consider the bulleted questions to help answer the main question.

If you are uncertain of your skills in evidence evaluation, please consult a local evidence expert for assistance:

CCHMC Evidence Experts: http://groups.ce/NewEBC/EBDMHelp.htm

Unfamiliar terms can be found in the LEGEND Glossary: http://groups.ce/NewEBC/EBCFiles/GLOSSARY-EBDM.pdf

VALIDITY: ARE THE RESULTS OF THE QUALITATIVE AND QUANTITATIVE STUDIES VALID OR CREDIBLE?

1. Were two different methods or approaches used in the study?

☐ Yes ☐ No ☐ Unknown

Core Component: ____________________ Supplemental Component: ____________________

Qualitative ☐ Quantitative ☐ Qualitative ☐ Quantitative ☐

Comments:

2. Complete the appropriate evidence appraisal forms for each component (e.g., RCT, Descriptive, Qualitative Study).

3. If applicable, was (were) the qualitative component(s) of the study well-developed (i.e., [a] not [b]), based on appraisal using the Meaning/KAB – Qualitative Study evidence appraisal form?

Evidence Level(s): ________

Comments:

4. If applicable, was (were) the quantitative component(s) of the study well-developed (i.e., [a] not [b]), based on appraisal using the appropriate evidence appraisal form for that study design (e.g., RCT, Descriptive)?

Evidence Level(s): ________

Comments:
RELIABILITY: ARE THESE VALID STUDY RESULTS IMPORTANT?

5. Were the two components used to inform each other for joined, comprehensive results or discussion? □ Yes □ No □ Unknown
   
   Note: A mixed methods study includes combined data analysis or separate analysis with merged discussion. Separate analysis and separate discussion would not qualify as a “mixed methods” study.
   
   Comments:

6. What are the main mixed results of the study? (e.g., Helpful data: Page #, Table #, Figures, Graphs)

7. Were the mixed results significant? □ Yes □ No □ Unknown
   
   Comments:

APPLICABILITY: CAN I APPLY THESE VALID, IMPORTANT STUDY RESULTS TO TREATING MY PATIENTS?

8. Can the results be applied to my population of interest? □ Yes □ No □ Unknown
   
   • Is the setting of the study applicable to my population of interest?
   • Do the patient exposures, experiences, and outcomes apply to my population or question of interest?
   • Were the patients in this study similar to my population of interest?
   
   Comments:

9. Are my patient’s and family’s values and preferences satisfied by the knowledge gained from this study? □ Yes □ No □ Unknown
   
   Comments:

10. Would you include this study/article in development of a care recommendation? □ Yes □ No □ Unknown
    
    Comments:

ADDITIONAL COMMENTS OR CONCLUSIONS (“TAKE-HOME POINTS”):
**Quality Level / Evidence Level**

- Consider each “No” answer and the degree to which this limitation is a threat to the rigor of the results.
- Consider an “Unknown” answer to one or more questions as a similar limitation to answering “No,” if the information is not available in the article.

1. The Core Component determines the number of the Evidence Level [2, 3, 4].
2. In order to assign an evidence level with an [a] for the mixed methods appraisal, at least 1 of the components must be assigned an evidence level with an [a].
3. Consider overall how well the mixed methods study was done, when assigning the final level.

**The Evidence Level is:**

- **Good Quality Mixed Methods Study:** [2a] [3a] [4a]
- **Lesser Quality Mixed Methods Study:** [2b] [3b] [4b]
- **Not Valid, Reliable, Credible, or Applicable**

### Table of Evidence Levels

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<th>DOMAIN OF CLINICAL QUESTION</th>
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*RCT = Randomized Controlled Trial; CCT = Controlled Clinical Trial

Development for this appraisal form is based on: