Cincinnati Children's

Mixed Methods Study (Qualitative & Quantitative)

Project/Topic o	f your Clinical Question:						
Reviewer:	Today's Date:	Final Evidence Level:					
Article Title:		Mixed Methods					
First Arith and		Qualitative					
First Author: Year:	Journal:	Quantitative					
	journal.						
Do the study ai	m/purpose/objectives and inclusion/exclusion criteria assist in ans	wering your clinical question?					
	,	Yes No Unknown					
 Study 	v Aim/Purpose/Objectives:						
 Inclusion 	sion Criteria:						
• Exclu	sion Criteria:						
Is a mixed met	nods study congruent with the author's study purpose above?	🗌 Yes 🗌 No 📄 Unknown					
Commei	nts:						
If you are uncerta CCHMC Eviden	e bolded questions, consider the bulleted questions to help answer the ma ain of your skills in evidence evaluation, please consult a local evidence exp ce Experts: <u>http://groups/ce/NewEBC/EBDMHelp.htm</u> can be found in the LEGEND Glossary: <u>http://groups/ce/NewEBC/EBCFiles</u>	ert for assistance:					
VALIDITY: A	Are the Results of the Qualitative and Quantitative Studies Valid	OR CREDIBLE?					
1. Were two o	lifferent methods or approaches used in the study?	Yes No Unknown					
	Core Component: Supplemental Component:						
	Qualitative Qualitative						
	Quantitative Quantitative						
Commei	nts:						
2. Complete t	he appropriate evidence appraisal forms for each component (e.g.,	RCT, Descriptive, Qualitative Study)•					
••	e, was (were) the <i>qualitative</i> component(s) of the study well-develog)), based on appraisal using the Meaning/KAB – Qualitative Study	bed					
	ppraisal form?	🗌 Yes 🗌 No 📄 Unknown					
•	e Level(s):						
Commei							
	115:						
4 If annlicabl		aned					
••	e, was (were) the <i>quantitative</i> component(s) of the study well-develo	-					
(i.e., [a] not [b		-					
(i.e., [a] not [b for that stu Evidence	e, was (were) the <i>quantitative</i> component(s) of the study well-develor), based on appraisal using the appropriate evidence appraisal for dy design (e.g., RCT, Descriptive)? e Level(s):						
(i.e., [a] not [b for that stu	e, was (were) the <i>quantitative</i> component(s) of the study well-develor), based on appraisal using the appropriate evidence appraisal for dy design (e.g., RCT, Descriptive)? e Level(s):						

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RE	LIABILITY: ARE THESE VALID STUDY RESULTS IMPORTANT?	
5.	Were the two components used to inform each other for joined, comprehensive results or discussion? <i>Note:</i> 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. <i>Comments:</i>	🗌 Yes 📄 No 📄 Unknown
6.	What are the main mixed results of the study? (e.g., Helpful data: Page #, Table #, Figures	s, Graphs)
7.	Were the mixed results significant? Comments:	🗌 Yes 🗌 No 📄 Unknown
Ар	PLICABILITY: CAN I APPLY THESE VALID, IMPORTANT STUDY RESULTS TO TREATING MY PAT	IENTS?
8.	 Can the results be applied to my population of interest? 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: 	🗌 Yes 🗌 No 📄 Unknown
9.	Are my patient's and family's values and preferences satisfied by the knowledge gained from this study? Comments:	🗌 Yes 🗌 No 📄 Unknown
10	Would you include this study/article in development of a care recommendation? Comments:	Yes No Unknown

Additional Comments or Conclusions ("Take-Home Points"):



[[2a]

[2b]

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: Lesser Quality Mixed Methods Study:

[]	3a]	[4a]
	3b]	[4b]

Not Valid, Reliable, Credible, or Applicable

Table of Evidence Levels																				
	TYPE OF STUDY / STUDY DESIGN																			
DOMAIN OF CLINICAL QUESTION	Systematic Review Meta–Analysis	Meta–Synthesis	RCT⁺	ככד⁺	Psychometric Study	Qualitative Study	Cohort – Prospective	Cohort – Retrospective	Case – Control	Longitudinal (Before/After, Time Series)	Cross – Sectional	Descriptive Study Epidemiology Case Series	Quality Improvement (PDSA)	Mixed Methods Study	Decision Analysis Economic Analysis Computer Simulation	Guidelines	Case Reports N-of-1 Study	Bench Study	Published Expert Opinion	Local Consensus Published Abstracts
All Domains	1a 1b											4a 4b		2/3/4 a/b	5a 5b	5a 5b	5a 5b	5a 5b	5a 5b	5

RCT = Randomized Controlled Trial; CCT = Controlled Clinical Trial

Development for this appraisal form is based on:

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- 3. Denzen, N. & Lincoln. Y. (2005). The Sage Handbook of Qualitative Research, Sage Publications: Thousand Oaks, California.
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- 5. Freshwater, D. (2004). Deconstructing Evidence Based Practice, Routledge: New York: New York.
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- 14. Palinkas, L. A.; Aarons, G. A.; Horwitz, S.; Chamberlain, P.; Hurlburt, M.; and Landsverk, J.: Mixed method designs in implementation research. Administration & Policy in Mental Health, 38(1): 44-53, 2011.
- 15. Phillips, et al: Oxford Centre for Evidence-based Medicine Levels of Evidence, 2001. Last accessed Nov 14, 2007 from http://www.cebm.net/index.aspx?o=1025.

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