

LEGEND: Evidence Appraisal of a Single Study Prognosis Systematic Review / Meta-Analysis

Project/Topic of your Clinical Question:										
Re	eviewer:	Today's Date: Fin	Final Evidence Level:							
Ar	rticle Title:									
Ye	ear:	First Author: Jou	urnal:							
Do	Do the study aim/purpose/objectives and inclusion/exclusion criteria assist in answering your clinical question? Yes No Unknown • Study Aim/Purpose/Objectives:									
	• Inclusi	on Criteria:								
	• Exclus	on Criteria:								
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 SYSTEMATIC REVIEW / META—ANALYSIS VALID OR CREDIBLE?										
1.	Did the over Commen	view address a focused clinical question?	Yes No Unknown							
2.		rch for relevant studies detailed and exhaustive? it unlikely that important, relevant studies were missed? ts:	☐ Yes ☐ No ☐ Unknown							
3.	Were the in	cluded studies appraised and assigned a high level of quality?	☐ Yes ☐ No ☐ Unknown							
4.	 bullets below Did to the one Wer Wer 	the overview describe the study populations at a well-defined point in course of disease? e the patients sufficiently homogeneous with respect to prognostic rise objective and unbiased outcome criteria used? the follow-up sufficiently complete?	☐ Yes ☐ No ☐ Unknownk?							



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5.	 Were the outcomes quantifiable and precisely measurable? Was the outcome assessed independent of knowledge of prognostic factors' Comments: 	☐ Yes	☐ No	Unknown
6.	 Was there freedom from conflict of interest? Sponsor/Funding Agency or Investigators Comments: 	☐ Yes	☐ No	Unknown
REI	LIABILITY: Are these Valid Study Results Important?			
7.	 Were the statistical analysis methods appropriate? Were the statistical analysis methods clearly described? If subgroups in the sample had different prognostic factors (e.g., demographics, disease specifics, comorbidity), was an adjustment made for the differences between the way an adjustment made for changes that occur as the patient ages, if any? Comments: 	Yes	No	Unknown
8.	 What are the main results of the study? (e.g., Helpful data: Page #, Table #, Figures, Graphs) How likely are the outcomes over time? Absolute results (e.g., 5 year survival rate) or Relative results (e.g., risk from prognostic factor) or Survival Curves (e.g., cumulative events) What were the measures of statistical uncertainty (e.g., precision)? (Were the results presented with Confidence Intervals or Standard Deviations?) 			
9.	Were the results statistically significant? Comments:	☐ Yes	☐ No	Unknown
10.	Were the results clinically significant? Comments:	Yes	☐ No	Unknown



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APPLICABILITY: CAN I APPLY THESE VALID, IMPORTANT STUDY RESULTS TO TREATING MY PATIENTS?															
 11. Can the results be applied to my population of interest? Do the patient outcomes apply to my population or question of interest? Were the patients in the studies similar to my population of interest? Is the setting of the study applicable to my population of interest? Comments:													Unknown		
12. Are my patient's values and preferences satisfied by the knowledge gained from this study (such as outcomes considered)? Comments: Yes No											Unknown				
13. Would you include this study/article in development of a care recommendation?															
Additional Comments or Conclusions ("Take-Home Points"):															
QUALITY LEVEL	/ EVIDENCE I	LEVEL													
 Consider each "No" answer and the degree to which this limitation is a threat to the validity of the results, then check the appropriate box to assign the level of quality for this study/article. 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. 															
THE EVIDENCE LEVEL IS: Good Quality Systematic Review Lesser Quality Systematic Review Not Valid, Reliable, or Applicable											[1a] [1b]				
Table of Evidence Levels															
TYPE OF STUDY / STUDY DESIGN															
	DOMAIN OF CLINICAL QUESTION	Systematic Review Meta-Analysis	Cohort – Prospective	Cohort – Retrospective	ති Case – Control	Cross – Sectional	Descriptive Study Epidemiology Case Series	Nixed Methods Study	Decision Analysis Substitution Economic Analysis Computer Simulation	2 Guidelines	Case Reports N-of-1 Study	ଅ Bench Study	Published Expert Opinion	Local Consensus Published Abstracts	
	Prognosis	1a 1b	2b	3b	4a 4b	4a 4b	4a 4b	2/3/4 a/b	5b	5b	5b	5b	5b	5	

Development for this appraisal form is based on:

^{1.} Guyatt, G.; Rennie, D.; Evidence-Based Medicine Working Group.; and American Medical Association.: Users' guides to the medical literature: a manual for evidence-based clinical practice. "JAMA & archives journals." Chicago, IL, 2002

^{2.} Melnyk, B. M. and E. Fineout-Overholt (2005). Evidence-based practice in nursing & healthcare: a guide to best practice. Philadelphia, Lippincott Williams & Wilkins.

^{3.} 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.

^{4.} Fineout-Overholt and Johnston: Teaching EBP: asking searchable, answerable clinical questions. Worldviews Evid Based Nurs, 2(3): 157-60, 2005.