NATIONAL TRAINING AND RESEARCH APPRAISAL GROUP



Critical Appraisal of an Overview

1. METHODS		
1.1	Is the question clear?	
a)	What is the population?	
b)	What is the exposure/intervention?	
c)	What is/are the outcome(s)?	
1.2	Is the search thorough?	
a)	Bibliographic database; years covered?	
b)	References in relevant articles?	
c)	Grey literature (unpublished research reports etc.)?	
1.3	Is the validity of included studies adequately assessed?	
a)	Are the inclusion criteria appropriate?	
b)	Has methodological quality been assessed?	
c)	Is assessment reproducible, blind?	
d)	Was missing information obtained from investigators?	
e)	Is publication bias an issue?	

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Critical Appraisal of an Overview (continued)

2. RESULTS			
2.1	Effect: a) On what scale is the effect measured? e.g., odds ratio b) How big is the overall effect?		
2.2	Consistency: a) Are the results consistent between studies? b) How sensitive are the results to changes in the way the review is done?		
a	Precision: a) Does the lower confidence limit include clinically relevant effects? b) Does the upper confidence limit exclude clinically relevant effects?		
3. INTERPRETATION OF RESULTS			
3.1	Are subgroup analyses interpreted cautiously?		
3.2	a) Can the conclusions and data be generalised to other settings?b) Is NNT (numbers needed to treat) stated or able to be calculated?		
3.3	Are recommendations linked to the strength of the evidence?		