

**CRITICAL APPRAISAL CHECKLIST FOR AN ARTICLE  
ON AN EDUCATIONAL INTERVENTION.**

**Study Design: Variable.**

**Adapted from:**

Education Group on Guidelines on Evaluation. Guidelines for evaluating papers on educational interventions. *BMJ* 1999; 318: 1265-1267.

Morrison JM, Sullivan F, Murray E, Jolly B. Evidence-based education: development of an instrument to critically appraise reports of educational interventions. *Medical Education* 1999; 33: 890-893.

## DOES THE STUDY ADDRESS A CLEAR QUESTION?

<p><b>1. Is there a clearly focussed question?</b></p> <p>Consider</p> <ul style="list-style-type: none"> <li>• Why the evaluation was required.</li> <li>• Who was the intervention aimed at?</li> <li>• What was the educational issue addressed?</li> </ul>	<b>Yes</b>	<b>Can't tell</b>	<b>No</b>
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## ARE THE RESULTS VALID?

<p><b>2. Was there a clear learning need that the intervention addressed?</b></p> <p>Consider:</p> <ul style="list-style-type: none"> <li>• Were the aims and objectives clear?</li> <li>• Were the objectives measurable?</li> <li>• Did the objectives fit with the domain (knowledge, skills or attitudes) identified?</li> <li>• Was the research methodology appropriate?</li> </ul>	<b>Yes</b>	<b>Can't tell</b>	<b>No</b>
<p><b>3. Was there a clear description of the educational context for the intervention?</b></p> <p>Consider:</p> <ul style="list-style-type: none"> <li>• Was it a curriculum, course, module or individual session?</li> <li>• Was its place in the overall course clear?</li> <li>• Are the students and setting described?</li> </ul>			
<p><b>4. Was the precise nature of the intervention clear?</b></p> <p>Consider:</p> <ul style="list-style-type: none"> <li>• Organisation and materials used.</li> <li>• How it was run in practice.</li> <li>• The content covered.</li> <li>• Length and intensity of the intervention.</li> </ul>			

<p><b>5. Was the study design chosen able to address the aims of the study?</b></p> <p>Consider:</p> <ul style="list-style-type: none"> <li>• The type of study design used.</li> <li>• Data collection methods employed.</li> </ul>			
<p><b>6. Were the outcomes chosen to evaluate the intervention appropriate?</b></p> <p>Consider:</p> <ul style="list-style-type: none"> <li>• Were they reliable and valid?</li> </ul>			
<p><b>7. Were any other explanations of the results explored by the authors?</b></p>			
<p><b>8. Were any unanticipated outcomes explained?</b></p>			
<p><b>9. Were any reported behavioural changes after the intervention linked to measurement of other, more objective measures e.g. changes in referral rates.</b></p>			

**WHAT WERE THE RESULTS?**

<p><b>10. What were the results of the intervention?</b></p>	
<p><b>11. How precise were the results?</b></p>	

**ARE THE RESULTS APPLICABLE TO MY SETTING?**

<b>12. Was the setting sufficiently similar to you own and/or representative of real life?</b>	<b>Yes</b>	<b>Can't tell</b>	<b>No</b>
<b>13. Does it require additional resources to adopt the intervention?</b>			