





REFERENCES

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Population	What specific population are you interested in?	Feasible	 Adequate number of subjects Adequate technical expertise Affordable in time and money Manageable in scope
Intervention (Technology)	What is the investigational technology / intervention?	Interesting	 Getting the answer intrigues investigator, peers and community
C omparison Group	What is the main alternative / baseline to compare with the intervention	Novel	 Confirms, refutes or extends previous findings
Outcome	What do you intend to accomplish, measure, improve or affect?	Ethical	 Amendable to a study that institutional review board will approve
Time	What is the appropriate follow-up time to assess outcome?	Relevant	To scientific knowledgeTo clinical and health policyTo future research

Study Appraisal Checklist

- 1. Is there any vested interest?
 - Who sponsored the study?
 - Do the researchers have any vested interest in the results?
- 2. Is the evidence valid?
 - Was the study's design appropriate to answer the question?
 - How were the tasks, subjects, and setting selected?
 - What data was collected, and what were the methods for collecting the data?
 - Which methods of data analysis were used, and were they appropriate?
- 3. Is the evidence important?
 - What were the study's results?
 - Are the results credible, and, if so, how accurate are they?
 - What conclusions were drawn, and are they justified by the results?
 - Are the results of practical and statistical significance?
- 4. Can the evidence be used in practice?
 - Are the study's findings transferable to other industrial settings?
 - Did the study evaluate all the important outcome measures?
 - Does the study provide guidelines for practice based on the results?
 - Are the guidelines well described and easy to use?
 - Will the benefits of using the guidelines outweigh the costs?
- 5. Is the evidence in this study consistent with the evidence in other available studies?
 - Are there good reasons for any apparent inconsistencies?
 - Have the reasons for any disagreements been investigated?

After Action Review (AAR)

- What was supposed to happen?
- What actually happened?
- Why were there differences?
- What did we learn?

Postmortem Analysis (PA)

- What went so well that we want to repeat it?
- What was useful but could have gone better?
- What were the mistakes that we want to avoid for the future?
- ▶ What were the reasons for the success or mistakes?

REFERENCES

FINER, PICOT: Farrugia, P., Petrisor, B.A., Farrokhyar, F., Bhandari, M.: Practical tips for surgical research: Research questions, hypotheses and objectives. Canadian journal of surgery. Journal canadien de chirurgie 53(4), 278–281 (2009)

Checklist, AAR, PA: Dybå, T., Kitchenham, B.A., Jorgensen, M.: Evidence-based software engineering for practitioners. IEEE Software 22(1), 58-65 (2005)