

Question	
Design	
Q1	Are the aims clearly stated?
Q2	Do the study measures allow the questions to be answered?
Q3	Is the sample representative of the population to which the results will generalise?
Q4	Were treatments randomly allocated?
Q5	Is there a comparison or control group?
Q6	If there is a control group, are participants similar to the treatment group participants in terms of variables that may affect study outcomes?
Q7	Was the sample size justified?
Q8	If the study involves assessment of a technology, is the technology clearly defined?
Q9	Could the choice of subjects influence the size of the treatment effect?
Q10	Could lack of blinding introduce bias?
Q11	Are the variables used in the study adequately measured (i.e. are the variables likely to be valid and reliable)?
Q12	Are the measures used in the study fully defined?
Q13	Are the measures used in the study the most relevant ones for answering the research questions?
Q14	Is the scope (size and length) of the study sufficient to allow for changes in the outcomes of interest to be identified?
Conduct	
Q15	Did untoward events occur during the study?
Q16	Was outcome assessment blind to treatment group?
Q17	Are the data collection methods adequately described?
Q18	If two groups are being compared, were they treated similarly within the study?
Q19	If the study involves participants over time, what proportion of people who enrolled at the beginning dropped out?
Q20	How was the randomisation carried out?
Analysis	
Q21	What was the response rate?
Q22	Was the denominator (i.e. the population size) reported?
Q23	Do the researchers explain the data types (continuous, ordinal, categorical)?
Q24	Are the study participants or observational units adequately described? For example, SE experience, type (student, practitioner, consultant), nationality, task experience and other relevant variables.
Q25	Were the basic data adequately described?
Q26	Have "drop outs" introduced bias?
Q27	Are reasons given for refusal to participate?
Q28	Are the statistical methods described?
Q29	Is the statistical program used to analyse the data referenced?
Q30	Are the statistical methods justified?
Q31	Is the purpose of the analysis clear?
Q32	Are scoring systems described?
Q33	Are potential confounders adequately controlled for in the analysis?
Q34	Do the numbers add up across different tables and subgroups?
Q35	If different groups were different at the start of the study or treated differently during the study, was any attempt made to control for these differences, either statistically or by matching?
Q36	If yes, was it successful?
Q37	Was statistical significance assessed?
Q38	If statistical tests are used to determine differences, is the actual p value given?
Q39	If the study is concerned with differences among groups, are confidence limits given describing the magnitude of any observed differences?
Q40	Is there evidence of multiple statistical testing or large numbers of post hoc analysis?
Q41	How could selection bias arise?
Conclusions	
Q42	Are all study questions answered?
Q43	What do the main findings mean?
Q44	Are negative findings presented?
Q45	If statistical tests are used to determine differences, is practical significance discussed?
Q46	If drop outs differ from participants, are limitations to the results discussed?
Q47	How are null findings interpreted? (i.e. has the possibility that the sample size is too small been considered?)
Q48	Are important effects overlooked?
Q49	How do results compare with previous reports?
Q50	How do the results add to the literature?
Q51	What implications does the report have for practice?
Q52	Do the researchers explain the consequences of any problems with the validity/reliability of their measures?