Below are guidelines for critiquing research articles. Critiques include an analysis of both strengths and weaknesses or
limitations of an article.

Guidelines for Critiquing a Quantitative Research Study Elements influencing the believability of the research		
Writing style	Is the article well written- concise, grammatically correct, avoids use of jargon? Is it well	
	laid out and organized?	
Title	Is the title clear, accurate and unambiguous	
Abstract	Does the abstract offer a clear overview of the study including the research problem,	
	sample, methodology, findings and recommendations?	
Elements influencing the robustness of the research		
Elements	Questions	
Purpose/research problem	Is the purpose of the study/research problem clearly identified?	
Logical consistency	Does the research report follow the steps of the research process in a logical manner? Do	
	these steps naturally flow and are the links clear?	
Literature review	Is the review logically organized? Does it offer balanced critical analysis of the literature?	
	Is the majority of the literature of recent origin? Is it mainly from primary sources and of	
	an empirical nature?	
Theoretical framework	Has the conceptual or theoretical framework been identified? Is the framework	
	adequately described? Is the framework appropriate?	
Aims/objectives/research	Have aims, objectives, a research question or hypothesis been identified? If so are they	
question/hypotheses	clearly stated? Do they reflect information presented in the literature review?	
Sample	Has the target population been clearly identified? How were the sample selected? Was it	
	a probability or a non-probability sample? Is it an adequate size? Are the	
	inclusion/exclusion criteria clearly identified?	
Ethical considerations	Were the participants fully informed about the nature of the research? Was the	
	autonomy/confidentiality of the participants guaranteed? Were the participants	
	protected from harm? Was ethical permission granted for the study?	
Operational definitions	Are all the terms, theories and concepts mentioned in the study clearly defined?	
Instrumentation	Is the instrumentation used to assess subjects described? Were instrument reliability and	
n 1	validity discussed?	
Procedures	Is there a description of the procedures used to administer the instrument? Are any of	
	the study's administrative or procedural limitations discussed?	
Variables	Are variables adequately described? Was a rationale provided for their use? Were the	
	variables chosen appropriate for answering the research question(s)?	
Data analysis/results	What type of data and statistical analysis was undertaken? Was it appropriate? How	
	many of the sample participated? Were tables and graphs presented in clear and	
	understandable fashion? Significance of the findings?	
Discussion	Are the findings linked back to the literature review? If a hypothesis was identified was it	
	supported? Were the strengths and limitations of the study including generalizability	
7.6	discussed? Was a recommendation for future research made?	
References	Were all books, journals and other media alluded to in the study accurately referenced?	

Adapted from: Coughlan, M., Cronin, P., & Ryan, F. (2007). Step-by-step guide to critiquing research. Part 1: quantitative research. *British Journal of Nursing*, *16*, *11*, 658-663.

Guidelines for Critiquing a Qualitative Research Study			
Elements influencing the believability of the research			
Elements	Questions		
Writing style	Is the article well written- concise, grammatically correct, avoid use of jargon? Is it well		
	laid out an organized?		
Title	Is the title clear, accurate and unambiguous		
Abstract	Does the abstract offer a clear overview of the study including the research problem,		
	sample, methodology, finding and recommendations?		
Elements influencing the robustness of the research			
Elements	Questions		
Purpose/research problem	Is the purpose of the study/research problem clearly identified?		
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	Is the majority of the literature of recent origin? Is it mainly from primary sources and of		
	an empirical nature?		
Theoretical framework	Has the conceptual or theoretical framework been identified? Is the framework		
	adequately described? Is the framework appropriate?		
Method and philosophical	Has the philosophical approach been identified? Why was this approach/method chosen?		
underpinnings	Does the author describe or reflect upon their role or positionality?		
Research setting	Was the setting properly and completely described? Were the circumstances under which		
C	the data was collected described?		
Sample	Is the sampling method and sample size described? Is the sampling method appropriate?		
	Were the participants properly and completely described? Were the participants suitable		
	for informing the research purpose as described?		
Ethical considerations	Were the participants fully informed about the nature of the research? Was the		
	autonomy/confidentiality of the participants guaranteed? Were the participants		
	protected from harm? Was ethical permission granted for the study?		
Data collection/data	Are the data collection strategies described? Are the strategies used to analyze the data		
analysis	described? Did the researcher follow the steps of the data analysis method identified? Was		
	data saturation achieved?		
Rigor	Does the researcher discuss how rigor was assured? Were credibility, dependability, and		
	transferability described?		
Findings/discussion	Are the findings presented appropriately? Was sufficient descriptive information given to		
	allow the reader to conclude that the author's interpretations were grounded in the data?		
	Does the researcher address internal validity through "triangulation," that is, verification		
	of the findings via member checks/other documentation/other sources/other		
	researchers? Does the author acknowledge the lack of generalizability of the study		
	findings, and/or suggest a replication of the study? Has the original purpose of the study		
	been adequately addressed?		
Conclusions/implications	Are the importance and implications of the findings identified? Are recommendations		
and recommendations	made to suggest how the research findings can be developed?		
References	Were all books, journals and other media alluded to in the study accurately referenced?		

Adapted from: Ryan, F., Coughlan, M., & Cronin, P.(2007). Step-by-step guide to critiquing research. Part 2: qualitative research. *British Journal of Nursing*, 16, 11, 738-744.