ACCP Original Research Abstract Evaluation Criteria

Original Research Abstract Structure: Introduction, Research Question or Hypothesis, Study Design, Methods, Results, and Conclusions

CRITERION	SCORE	DESCRIPTION

Introduction / Originality
The introduction:
• establishes the importance of research,
• describes a need for the research:
  o generate new knowledge,
  o answer whether a previous observation can be replicated,
  o document if previous findings can be applied to a different population, or
  o determine if improved measurement techniques can clarify a relationship.
• provides relevance of research to clinical pharmacy.
	0
	
	1
	2
	3
		• Does *not* meet the criterion, or the intent of the criterion, *at all*
		• Meets *some* components of the criterion
		• Meets *most* components of the criterion
		• Meets *all* components of the criterion

Research Question or Hypothesis The stated research question is: • focused, • important, and • feasible to study. **or** The stated hypothesis is: • simple, • specific, • important, and • testable.	0 1 2 3	• Does *not* meet the criterion, or the intent of the criterion, *at all* • Meets *some* components of the criterion • Meets *most* components of the criterion • Meets *all* components of the criterion
Study Design The stated design is: • a documentable quantitative, qualitative, or hybrid study design, • concisely stated, and • the most efficient study design needed to get a satisfactory answer to the research question.	0 1 2 3	• Does *not* meet the criterion, or the intent of the criterion, *at all* • Meets *some* components of the criterion • Meets *most* components of the criterion • Meets *all* components of the criterion

Methods The methods: • describe a stepwise approach to what was done, • identify primary end points/outcomes, • utilize existing instruments or procedures when possible, • maximize internal and external validity, and • minimize bias/error.	0 1 2 3	• Does *not* meet the criterion, or the intent of the criterion, *at all* • Meets *some* components of the criterion • Meets *most* components of the criterion • Meets *all* components of the criterion
Data Analysis/Statistics The data analysis, where appropriate for the study design: • is deliberate and systematic, • uses optimal inferential or descriptive statistics, • identifies the level of significance, non-inferiority margin, quality-adjusted-life-year ratio, or equivalent, • identifies statistical software or support utilized, and • describes processes for articulating emergent ideas about patterns themes explanations and hypotheses and for then conducting a conscious search both for 'rival' patterns and explanations and for data that in some way disconfirm or refine the patterns and explanations.	0 1 2 3	• Does *not* meet the criterion, or the intent of the criterion, *at all* • Meets *some* components of the criterion • Meets *most* components of the criterion • Meets *all* components of the criterion
Results The results: • pertain directly to the research question • use design-appropriate raw data to characterize the primary and secondary outcomes, • include design-appropriate inferential or descriptive statistical indices, and • <u>avoid</u> interpretations, explanations, and speculations.	0 1 2 3	• Does *not* meet the criterion, or the intent of the criterion, *at all* • Meets *some* components of the criterion • Meets *most* components of the criterion • Meets *all* components of the criterion
Conclusions The conclusion: • addresses the original research question or hypothesis, • must be supported by the results, • does <u>not</u> extrapolate beyond the results of study, • does <u>not</u> repeat the results, and • does <u>not</u> introduce findings not presented in the results section.	0 1 2 3	• Does *not* meet the criterion, or the intent of the criterion, *at all* • Meets *some* components of the criterion • Meets *most* components of the criterion • Meets *all* components of the criterion

Readability and Organization The abstract: • clearly communicates thoughts and concepts, • uses concise writing; avoids repetition and wordiness, • utilizes professional language and style, and • is free of grammatical or technical errors.	0 1 2 3	• Does *not* meet the criterion, or the intent of the criterion, *at all* • Meets *some* components of the criterion • Meets *most* components of the criterion • Meets *all* components of the criterion
Overall Impression The overall impression evaluates the entire abstract, as a whole. It is not a mathematical representation of the individual scores above.	0 1 2 3 4	• Very poor • Poor • Good • Very good • Outstanding