

## **2016 ACCP Annual Meeting – Original Research Abstract Evaluation Criteria**

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

<b>CRITERION</b>	<b>SCORE</b>	<b>DESCRIPTION</b>
<b>Introduction / Originality</b> The introduction: <ul style="list-style-type: none"> <li>• establishes the importance of research,</li> <li>• describes a need for the research:               <ul style="list-style-type: none"> <li>○ generate new knowledge,</li> <li>○ answer whether a previous observation can be replicated,</li> <li>○ document if previous findings can be applied to a different population, or</li> <li>○ determine if improved measurement techniques can clarify a relationship.</li> </ul> </li> <li>• provides relevance of research to clinical pharmacy.</li> </ul>	0  1 2 3	<ul style="list-style-type: none"> <li>• Does <i>not</i> meet the criterion, or the intent of the criterion, <i>at all</i></li> <li>• Meets <i>some</i> components of the criterion</li> <li>• Meets <i>most</i> components of the criterion</li> <li>• Meets <i>all</i> components of the criterion</li> </ul>
<b>Research Question <u>or</u> Hypothesis</b> The stated research question is: <ul style="list-style-type: none"> <li>• focused,</li> <li>• important, and</li> <li>• feasible to study.</li> </ul> <u>or</u> The stated hypothesis is: <ul style="list-style-type: none"> <li>• simple,</li> <li>• specific,</li> <li>• important, and</li> <li>• testable.</li> </ul>	0  1 2 3	<ul style="list-style-type: none"> <li>• Does <i>not</i> meet the criterion, or the intent of the criterion, <i>at all</i></li> <li>• Meets <i>some</i> components of the criterion</li> <li>• Meets <i>most</i> components of the criterion</li> <li>• Meets <i>all</i> components of the criterion</li> </ul>
<b>Study Design</b> The stated design is: <ul style="list-style-type: none"> <li>• a documentable quantitative, qualitative, or hybrid study design,</li> <li>• concisely stated, and</li> <li>• the most efficient study design needed to get a satisfactory answer to the research question.</li> </ul>	0  1 2 3	<ul style="list-style-type: none"> <li>• Does <i>not</i> meet the criterion, or the intent of the criterion, <i>at all</i></li> <li>• Meets <i>some</i> components of the criterion</li> <li>• Meets <i>most</i> components of the criterion</li> <li>• Meets <i>all</i> components of the criterion</li> </ul>

<b>Methods</b> The methods: <ul style="list-style-type: none"> <li>• describe a stepwise approach to what was done,</li> <li>• identify primary end points/outcomes,</li> <li>• utilize existing instruments or procedures when possible,</li> <li>• maximize internal and external validity, and</li> <li>• minimize bias/error.</li> </ul>	0  1 2 3	<ul style="list-style-type: none"> <li>• Does <i>not</i> meet the criterion, or the intent of the criterion, <i>at all</i></li> <li>• Meets <i>some</i> components of the criterion</li> <li>• Meets <i>most</i> components of the criterion</li> <li>• Meets <i>all</i> components of the criterion</li> </ul>
<b>Data Analysis/Statistics</b> The data analysis, where appropriate for the study design: <ul style="list-style-type: none"> <li>• is deliberate and systematic,</li> <li>• uses optimal inferential or descriptive statistics,</li> <li>• identifies the level of significance, non-inferiority margin, quality-adjusted-life-year ratio, or equivalent,</li> <li>• identifies statistical software or support utilized, and</li> <li>• 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.</li> </ul>	0  1 2 3	<ul style="list-style-type: none"> <li>• Does <i>not</i> meet the criterion, or the intent of the criterion, <i>at all</i></li> <li>• Meets <i>some</i> components of the criterion</li> <li>• Meets <i>most</i> components of the criterion</li> <li>• Meets <i>all</i> components of the criterion</li> </ul>
<b>Results</b> The results: <ul style="list-style-type: none"> <li>• pertain directly to the research question</li> <li>• use design-appropriate raw data to characterize the primary and secondary outcomes,</li> <li>• include design-appropriate inferential or descriptive statistical indices, and</li> <li>• <u>avoid</u> interpretations, explanations, and speculations.</li> </ul>	0  1 2 3	<ul style="list-style-type: none"> <li>• Does <i>not</i> meet the criterion, or the intent of the criterion, <i>at all</i></li> <li>• Meets <i>some</i> components of the criterion</li> <li>• Meets <i>most</i> components of the criterion</li> <li>• Meets <i>all</i> components of the criterion</li> </ul>
<b>Conclusions</b> The conclusion: <ul style="list-style-type: none"> <li>• addresses the original research question or hypothesis,</li> <li>• must be supported by the results,</li> <li>• does <u>not</u> extrapolate beyond the results of study,</li> <li>• does <u>not</u> repeat the results, and</li> <li>• does <u>not</u> introduce findings not presented in the results section.</li> </ul>	0  1 2 3	<ul style="list-style-type: none"> <li>• Does <i>not</i> meet the criterion, or the intent of the criterion, <i>at all</i></li> <li>• Meets <i>some</i> components of the criterion</li> <li>• Meets <i>most</i> components of the criterion</li> <li>• Meets <i>all</i> components of the criterion</li> </ul>

<b>Readability and Organization</b> The abstract: <ul style="list-style-type: none"> <li>• clearly communicates thoughts and concepts,</li> <li>• uses concise writing; avoids repetition and wordiness,</li> <li>• utilizes professional language and style, and</li> <li>• is free of grammatical or technical errors.</li> </ul>	0 1 2 3	<ul style="list-style-type: none"> <li>• Does <i>not</i> meet the criterion, or the intent of the criterion, <i>at all</i></li> <li>• Meets <i>some</i> components of the criterion</li> <li>• Meets <i>most</i> components of the criterion</li> <li>• Meets <i>all</i> components of the criterion</li> </ul>
<b>Overall Impression</b> 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	<ul style="list-style-type: none"> <li>• Very poor</li> <li>• Poor</li> <li>• Good</li> <li>• Very good</li> <li>• Outstanding</li> </ul>