

## PRO Data Display Guidance Checklist: Research Results Presented to Clinicians

Issue	Consensus Statement	Notes/ comments
<b>Directionality of PRO Scores</b>	<p>PRO data presentation should avoid mixing score direction in a single display. In cases where this is not possible, authors should consider changing the directionality in the display to be consistent.</p> <p>There is a need for exceptionally clear labelling, titling, and other annotations.</p>	
<b>Conveying Score Meaning</b>	<p>Descriptive labels (e.g., none/mild/moderate/severe) along the y-axis are helpful and should be used when data supporting their location on the scale are available.</p> <p>In addition to the descriptive y-axis labels, reference values for comparison populations should be considered for inclusion if they are available.</p>	
<b>Normed Scoring</b>	<p>PRO data presentation needs to accommodate instruments the way they were developed, with or without normed scoring.</p> <p>One can decide if/when to show the reference population norm visually (e.g., with a line on the graph), understanding that displaying it might provide additional interpretive value, but potentially at the cost of greater complexity.</p> <p>Display of the norm might be less relevant in the context where the primary focus is the choice between treatments.</p> <p>If a norm is displayed:</p> <ul style="list-style-type: none"> <li>• It is necessary to describe the reference population and label the norm as clearly as possible (recommend “average” rather than “norm”)</li> <li>• It also requires deciding what reference population to show (to the extent that options are available).</li> </ul>	
<b>Clinically Important Differences</b>	<p>Clinically important differences between treatments should be indicated with a symbol of some sort (described in a legend). The use of an asterisk is not recommended (as it is often used to indicate statistical significance).</p> <p>If there is no defined clinically important difference, that also needs to be in the legend and/or the text of the paper.</p>	
<b>Conveying Statistical Significance</b>	<p>The data suggest that clinicians and others appreciate p-values; however, the Consensus Panel recognizes a move away from reporting them (and toward the use of confidence limits to illustrate statistical significance). Regardless of whether p-values are reported, confidence intervals should always be displayed.</p>	
<b>Proportions Changed</b>	<p>Reasonable options include bar charts, pie charts, or stacked bar charts.</p>	