

RESULTS AND REVIEW OF RAW DATA FORM

WORKING GROUP:

RESULTS OF RAW DATA

The Working Group should now review data on responses to the instrument, either from a published study with existing data or from a pilot project conducted by the group. It's important to assess data from publications or gather data to examine response distributions, patterns of missing data, and potential floor or ceiling effects—these are indicators of potential issues with how well the instrument fits the target population.

OMERACT recommends analyzing responses from around 30 individuals similar to the target population. Frequency distributions for each item and the total score should be reviewed to detect ceiling effects (percent of respondents with perfect scores) or floor effects (percent at the lowest score), which may indicate gaps in content coverage. Examining the distribution of total scores can also inform whether parametric or non-parametric statistical methods are appropriate. Missing data may reveal problematic or misunderstood content. These evaluations can also be applied to each component of a composite measure or clinical score.

The gathered data will help assess the instrument's suitability for the domain and concept. Use this information to thoroughly understand what the instrument is measuring. The Working Group may summarize responses using a table (see example [here](#)), which can also be adapted for composite indices.

Link to Raw Data Tables:

RAW DATA REVIEW FORM

Feature	Criterion	Score
Check that the data has a good completion rate	>80% of people answered, less than 20% drop out OR evidence that the responders were similar to the target sample. Working Group Comments:	Yes Uncertain No
Missing data	a) Amount of missing data/responses b) Pattern of missing – was there any pattern? Working Group Comments:	Yes Uncertain No

Floor and Ceiling	Both less than 15%? Working Group Comments:	Yes Uncertain No
Perceived completion time	Is it reasonable for intended study? Working Group Comments:	Yes Uncertain No
Normality of distribution in target population	Is it reasonable for intended study? Working Group Comments:	Yes Uncertain No
<p>Working Group Assessment of Raw Data & Data Review Form (<i>select from dropdown</i>):</p> <p>GREEN: Ready to proceed with no concerns.</p> <p>AMBER: Some concerns or cautions, but suitable to move forward with adjustments.</p> <p>RED: Not appropriate for this application, requires significant revision before reconsideration.</p>		

Date Completed: