



Critical Appraisal Questions - Organizational Data

	Yes	No	Unclear
1. Is the collection of organizational data based on a logic model?			
2. Are the data relevant to the organization's decision-making processes?			
3. Are the data accurate? <i>(Consider: How were the data captured? How were the data processed? Were the interpretation and summary of the data based on clear rules and guidelines? How often were people involved in these steps?)</i>			
4. Are the data's context taken into account?			
5. How reliable are the data—could there be a measurement error? <i>(Consider: Are the data based on direct/objective outcome measures or indirect/subjective measures? Are the reported measures difference scores?)</i>			
6. Is the data set sufficiently large enough to prevent the small number problem from occurring?			
7. When a change or difference in the form of a percentage is presented, is it clear whether this involves a relative change or an absolute change?			
8. When an average (mean, median, mode) is presented, is it clear what the variance is—is the standard deviation reported?			
9. When a graph is presented, could it be misleading? <i>(Consider: Is there a baseline? Do the units on the axes represent equal steps? Do the numbers add up? Does the graph present missing data? Does the graph present cumulative or interval data?)</i>			
10. When a correlation or regression coefficient is presented, is it accurate? <i>(Consider: Outliers, R^2, range restriction)</i>			
11. When a regression coefficient is presented, does the regression model fit the data? <i>(Consider: R^2)</i>			
12. When estimates are presented, are confidence intervals provided? If so, are they sufficiently small?			