

Visual Analysis/Evidence of Effect Quality Indicators for Single-case Design											
Indicator #1				Indicator #3							
Baseline Analysis				Between Phase Basic Effects							
Baseline Change (BA-CH)	Baseline Predictability (BA-PR)	Baseline Consistency of Variability (BA-CV)	Baseline Trend (BA-TR)	Between Phase Basic Effect (BW-BE)	Between Phase Immediacy of Change in Level (BW-IL)	Between Phase Immediacy of Change in Trend (BW-IT)	Between Phase Overall Change in Level (BW-CL)	Between Phase Overall Change in Variability (BW-CV)	Between Phase Overlap (BW-OV)	Between Phase Similar Phase Data Patterns (BW-SP)*	
0 = Baseline does NOT present consistency of data needed for indication of warranted behavior change	0 = There is NOT a clear pattern of the data in baseline (variable)	0 = There is NOT consistency in the variability of data	0 = The trend in baseline is increasing or unstable	0 = There is no clear effect (i.e. change in level) when comparing adjacent phases	0 = There is NOT a clear change in level from the last 3 data points in the first phase to the first 3 data points in the second phase (adjacent phases)	0 = There is NOT a clear change in trend from the last 3 data points in the first phase to the first 3 data points in the second phase (adjacent phases)	0 = There is NOT an overall change in level between baseline and intervention phases	0 = There is NOT an overall change in variability between baseline and intervention phases	0 = There is too much overlap of data points between baseline and intervention phases	0 = Similar phases show different data patterns	
1 = Baseline does present consistency of data needed for indication of warranted behavior change	1 = There is a clear pattern of the data in baseline (consistency)	1 = There is consistency in the variability of data	1 = The trend in baseline is stable or slightly decreasing	1 = There is a clear effect (i.e. change in level) when comparing adjacent phases	1 = There is a clear change in level from the last 3 data points in the first phase to the first 3 data points in the second phase (adjacent phases)	1 = There is a clear change in trend from the last 3 data points in the first phase to the first 3 data points in the second phase (adjacent phases)	1 = There is an overall change in level between baseline and intervention phases	1 = There is an overall change in variability between baseline and intervention phases	1 = There is very little overlap of data points between baseline and intervention phases	1 = Similar phases show similar data patterns	
Indicator #2				Indicator #4							
Within Phase Analysis				Overall Effectiveness (All Phase)							
Within Phase Data Points (WP-DP) (Apply to BOTH baseline and intervention phases)	Within Phase Predictability (WP-PR)**	Within Phase Consistency of Variability (WP-CV)**	Within Phase Trend (WP-TR)**	Overall Data Points (OV-DP)	Overall Treatment Effect (OV-TE)	Overall Effect Ratio (OV-ER)	Overall Evidence of Effect (OV-EE)				
0 = There are less than three data points in one or many of the phases	0 = There is not consistency in the pattern of data for each phase except baseline	0 = There is not consistency in the variability of data	0 = The trend is NOT following predictable outcomes (i.e. no skill improvement or increase)	0 = Contains less than 3 data points per phase	0 = There are less than 3 presentations of treatment effect	0 = There are less than 3 effects for every presentation of effect for every 1 non-effect	0 = No evidence (if there is a score of 0 for any of the indicators)				
1 = There are 3 or 4 data points in each phase	1 = There is not consistency in the pattern of data for each phase except baseline	1 = There is consistency in the variability of data	1 = The trend is following predictable outcomes (i.e. increase/improvement in behavior/skill acquisition)	1 = Contains 3 to 4 data points per phase		1 = There are at least 3 effects for every presentation of effect to 1 non-effect	1 = Moderate Evidence (if there is a score of 1 for any of the indicators)				
2 = There are 5 or more data points in each phase				2 = Contains 5 or more data points per phase	2 = There are 3 or more presentations of treatment effect	2 = There are no non-effects for every presentation of effects	2 = Strong Evidence (all scores for all indicators is 2)				

Note: *Only applicable for reversal or embedded probe designs; **Apply to all relevant phases (i.e. intervention) except baseline phases

Adapted from "Single-case design technical documentation", by T.R. Kratochwill, J.H. Hitchcock, R.H. Horner, J.R. Levin, S.L. Odom, D.M. Rindskopf, W.R. Shadish, 2010, Retrieved from *What Works Clearinghouse* website: http://ies.ed.gov/ncee/wwc/pdf/wwc_scd.pdf; "Single-case intervention research design standards", by T.R. Kratochwill, J.H. Hitchcock, R.H. Horner, J.R. Levin, S.L. Odom, D.M. Rindskopf, W.R. Shadish, 2013, *Remedial and Special Education*, 34, p. 26-38; "An application of the What Works Clearinghouse Standards for evaluating single-subject synthesis of the self-management literature base", by D.M. Maggin, A.M. Briesch, & S.M. Chafouleas, 2013, *Remedial and Special Education*, 34, p. 44-58.