

Supplemental Material S4. Percentage of studies that addressed each quality indicator.

| Indicator | Design | Description | <i>n</i> | Valid % |
|------------------|---------------|--|-----------------|----------------|
| 1.1 | Both | Describes critical features of context or setting | 51 | 92.7% |
| 2.1 | Both | Describes relevant participant demographics | 50 | 90.9% |
| 2.2 | Both | Group of interest defined and method of establishing group membership is described | 51 | 92.7% |
| 3.1 | Both | Role of intervention agent and relevant characteristics described | 47 | 85.5% |
| 3.2 | Both | Describes specific trainings or qualifications of the intervention agent | 42 | 76.4% |
| 4.1 | Both | Provides detailed intervention procedures, intervention agent's actions, and/or cites where this information is accessible | 52 | 94.5% |
| 4.2 | Both | Describes specific materials used and/or cites where this information is accessible | 52 | 94.5% |
| 5.1 | Both | Assesses and reports on implementation fidelity related to adherence to protocols | 37 | 67.3% |
| 5.2 | Both | Assesses and reports implementation fidelity related to dosage | 31 | 56.4% |
| 5.3 | Both | Implementation fidelity is assessed and reported on regularly and for each interventionist | 34 | 61.8% |
| 6.1 | Both | The researcher controls the independent variable | 55 | 100.0% |
| 6.2 | Both | Study describes baseline (SCED) or comparisons group (EGC) conditions | 48 | 87.3% |
| 6.3 | Both | No or limited access to the intervention by the control/comparison group (EGC) or at baseline (SCED) | 53 | 96.4% |
| 6.4 | EGC | Assignment to groups is clearly described | 28 | 82.4% |
| 6.5 | SCED | Intervention effects are reported for at least three different time points | 18 | 85.7% |
| 6.6 | SCED | Baseline phase includes at least three data points | 13 | 61.9% |
| 6.7 | SCED | Controls for threats to internal validity | 9 | 42.9% |
| 6.8 | EGC | Low attrition across groups | 28 | 82.4% |
| 6.9 | EGC | Low differential attrition | 26 | 76.5% |
| 7.1 | Both | Outcomes are socially important | 54 | 98.2% |
| 7.2 | Both | Measurement of dependent variables is clearly defined and described | 53 | 96.4% |
| 7.3 | Both | Effects of intervention on all measures is reported | 46 | 83.6% |
| 7.4 | Both | Frequency and timing of outcome measures appropriate | 47 | 85.5% |
| 7.5 | Both | Study provides evidence of reliability | 42 | 76.4% |
| 7.6 | EGC | Study provides adequate evidence of validity | 29 | 85.3% |
| 8.1 | EGC | Data analysis appropriate for two or more groups | 31 | 91.2% |
| 8.2 | SCED | Single subject graph presented | 17 | 81.0% |
| 8.3 | ECG | Study reports effect size, or provides raw data for which can be calculated | 31 | 91.2% |

Note. EGC = experimental group comparison; SCED = single-case experimental design; Both = applies to EGC and SCED studies. Summarized from the Council for Exceptional Children (2014) quality indicators.