

# Appendix

## Appendix A1.1 Study characteristics: Bacon, 2000 (randomized controlled trial)

Characteristic	Description
<b>Study citation</b>	Bacon, T. P. (2000). The effects of the Too Good for Drugs prevention program on students' substance use intentions and risk and protective factors. <i>Florida Educational Research Council, Inc., Research Bulletin</i> , 31(3 & 4), 1–25.
<b>Participants</b>	The comparison group included 1,318 sixth-grade students from six middle schools. About 51% of the student population in these schools in eligible for participation in the free or reduced lunch program. Of the sample, 52% were females, 48% were Caucasian, 33% African-American, 13% Hispanic, and 6% Asian.
<b>Setting</b>	One large school district in Florida that serves students from urban, suburban, and rural regions.
<b>Intervention</b>	The <i>Too Good for Drugs™</i> sixth-grade curriculum consisted of nine lesson units averaging 45 minutes in length. The program was implemented during the first quarter of the school year.
<b>Comparison</b>	The comparison group was drawn from matched schools in the same school district. Comparison group students did not participate in the <i>Too Good for Drugs™</i> program at the time of the study but received this program at the fourth quarter of the school year.
<b>Primary outcomes and measurement</b>	Students responded to survey items assessing students' intentions to use marijuana and their perceptions of peer resistance skills, positive attitudes toward nondrug use, perceptions of peer normative substance use, perceptions of peer disapproval of substance use, prosocial peer relationships, and locus of control. (See Appendix A2.2 for a more detailed description of outcome measures.)
<b>Teacher training</b>	All lessons were delivered by program instructors (trained off-site educators), so no training of teachers was done.

## Appendix A1.2 Study characteristics: Bacon, 2003 (randomized controlled trial)

Characteristic	Description
<b>Study citation</b>	Bacon, T. P. (2003). Technical report: Evaluation of the Too Good for Drugs Elementary School Prevention Program. A report produced for Florida Department of Education Department of Safe and Drug-Free Schools. Tallahassee, FL. Available from: The Mendez Foundation, 601 S. Magnolia Avenue, Tampa, FL 33606.
<b>Participants</b>	The study comparison included 1,142 third- and fourth-grade students from six elementary schools. About 45% of the sample was eligible to participate in the free or reduced lunch program. Of the sample, 49% were females, 71% Caucasian, 17% African-American, 10% Hispanic, and 2% other race (Asian; American Indian; multicultural).
<b>Setting</b>	The school district was in Lake County, Florida.
<b>Intervention</b>	The program was implemented during the first half of the school year. Classroom teachers delivered 10 lesson units averaging 45 minutes in length to students in grades 3 and 4. Students were also encouraged to participate in “Home Workouts” with their family members to reinforce the lessons.

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## Appendix A1.2 Study characteristics: Bacon, 2003 (randomized controlled trial) *(continued)*

Characteristic	Description
<b>Comparison</b>	The comparison group was drawn from matched schools in the same school district. Comparison group students did not participate in the <i>Too Good for Drugs™</i> program at the time of the study but received it in the fourth quarter of the school year.
<b>Primary outcomes and measurement</b>	Students responded to two sets of survey items. Three items were used to gauge students' intentions to drink alcohol and use marijuana within the next 12 months. Nineteen additional items were used to assess protective factors associated with youth susceptibility to illicit drugs. The 19 items were grouped into such protective factor subscales as perceptions of peer resistance skills, prosocial peer relationships, and locus of control. (See Appendices A2.1 and A2.2 for a more detailed description of outcome measures.)
<b>Teacher training</b>	No training information was given other than that in small groups or individually teachers received a brief training refresher.

## Appendix A2.1 Outcome measures in the behavior domain

Outcome measure	Description
<b>The Teacher Checklist of Student Behavior (TCSB): personal and social skills</b>	This scale, developed by the study author, consists of 11 items assessing students' emotional behavior and interpersonal interactions with peers. The checklist was completed for each student individually (as cited in Bacon, 2003).
<b>The Teacher Checklist of Student Behavior (TCSB): prosocial behaviors</b>	This scale, developed by the study author, consists of six items assessing students' helping, respectful, and emphatic behavior with peers. The checklist was completed for each student individually (as cited in Bacon, 2003).
<b>The Teacher Checklist of Student Behavior (TCSB): inappropriate behaviors</b>	This scale, developed by the study author, consists of six items assessing students' aggressive and disruptive behavior. The checklist was completed for each student individually (as cited in Bacon, 2003).

## Appendix A2.2 Outcome measures in the knowledge, attitudes, and values domain

Outcome measure	Description
<b>Intentions for drinking</b>	One survey item on which students indicate if they intend to drink alcohol anytime during the next year (as cited in Bacon, 2000).
<b>Intention for marijuana</b>	One survey item on which students indicate if they intend to use marijuana anytime during the next year (as cited in Bacon, 2000).
<b>Perceptions of social and resistance skills</b>	A measure on which students indicate if they can tell the difference between healthy and unhealthy relationships and if they are able to avoid unhealthy behaviors (as cited in Bacon, 2000; Bacon, 2003).
<b>Prosocial peers</b>	A scale composed by the study author for the purpose of this study to assess perceptions of prosocial peer behaviors (as cited in Bacon, 2000).
<b>Locus of control</b>	A scale composed by the study author for the purpose of this study to assess perceptions of locus of control related to being able to avoid drinking, fighting, and drug use (as cited in Bacon, 2000).
<b>Perceptions of emotional competency skills</b>	A six-item scale developed by the study author on which students indicated if they felt confident in their ability to manage their behavior and emotions and to successfully plan for personal goals (as cited in Bacon, 2003).
<b>Perceptions of goal setting and decisionmaking skills</b>	A seven-item scale developed by the study author on which students indicated if they managed their actions by setting goals and creating plans to reach these goals (as cited by Bacon, 2003).

## Appendix A3.1 Summary of study findings included in the rating for the behavior domain<sup>1</sup>

Outcome measure	Study sample	Sample size <sup>3</sup> (students/ schools)	Author's findings from the study		WWC calculations			
			Mean outcome (standard deviation <sup>2</sup> )		Mean difference <sup>4</sup> (column 1– column 2)	Effect size <sup>5</sup>	Statistical significance <sup>6</sup> (at $\alpha = 0.05$ )	Improvement index <sup>7</sup>
			<i>Too Good for Drugs™</i> group (column 1)	Comparison group (column 2)				
Bacon, 2003 (randomized controlled trial)								
Personal and social skills (follow-up)	Grades 3–4	6/1,051	3.75 (0.83)	3.51 (0.72)	0.24	0.31	ns	+12
Prosocial behaviors (follow-up)	Grades 3–4	6/1,051	3.82 (0.86)	3.46 (0.78)	0.36	0.44	ns	+17
Inappropriate behaviors (follow-up)	Grades 3–4	6/1,051	4.04 (1.04)	4.04 (1.18)	0.00	0.00	ns	+0
<b>Domain average<sup>8</sup> for behavior</b>						0.25	ns	+10

ns = not statistically significant

1. This appendix reports end-of-program and follow-up findings considered for the effectiveness rating and the improvement index. Interim and immediate posttest findings from the same studies are not included in these ratings but are reported in Appendix A4.1.
2. The standard deviation across all students in each group shows how dispersed the participants' outcomes are: a smaller standard deviation on a given measure would indicate that participants had more similar outcomes.
3. The WWC received confirmation from the study author that the analysis of pretest equivalence was based on the analysis sample rather than the intent-to-treat sample. This analysis addresses concerns about sample attrition that otherwise might affect this review.
4. Positive differences and effect sizes favor the intervention group; negative differences and effect sizes favor the comparison group.
5. For an explanation of the effect size calculation, please see the [Technical Details of WWC-Conducted Computations](#).
6. Statistical significance is the probability that the difference between groups is the result of chance rather than a real difference between the groups. The level of statistical significance was calculated by the WWC and, where necessary, corrects for clustering within classrooms or schools, and for multiple comparisons. For an explanation, see the [WWC Tutorial on Mismatch](#). See the [Technical Details of WWC-Conducted Computations](#) for the formulas the WWC used to calculate the statistical significance. In the case of the *Too Good for Drugs™* report, corrections for clustering and multiple comparisons were needed.
7. The improvement index represents the difference between the percentile rank of the average student in the intervention condition and that of the average student in the comparison condition. The improvement index can take on values between –50 and +50, with positive numbers denoting favorable results.
8. This row provides the study average, which is also the domain average in this case. The WWC-computed domain average effect size is a simple average rounded to two decimal places. The domain improvement index is calculated from the average effect size.

## Appendix A3.2 Summary of study findings included in the rating for the knowledge, attitudes, and values domain<sup>1</sup>

Outcome measure <sup>3</sup>	Study sample	Sample size <sup>4,5</sup> (students/ schools)	Author's findings from the study					
			Mean outcome (standard deviation <sup>2</sup> )		WWC calculations			
			<i>Too Good for Drugs™</i> group (column 1)	Comparison group (column 2)	Mean difference <sup>6</sup> (column 1– column 2)	Effect size <sup>7</sup>	Statistical significance <sup>8</sup> (at $\alpha = 0.05$ )	Improvement index <sup>9</sup>
<b>Bacon, 2000 (randomized controlled trial)</b>								
Intentions for drinking (follow-up)	Grade 6	6/1,060	90 out of 495 students	62 out of 298 students	1.18	0.18 <sup>10</sup>	ns	+4
Intention for marijuana (follow-up)	Grade 6	6/1,060	62 out of 510 students	54 out of 319 students	1.47	0.23 <sup>10</sup>	ns	+9
Resistance skills (follow-up)	Grade 6	6/1,060	4.36 (0.75)	4.15 (0.82)	0.21	0.27	ns	+11
Peers disapprove use (follow-up)	Grade 6	6/1,060	3.73 (0.98)	3.47 (1.07)	0.26	0.26	ns	+10
Prosocial peers (follow-up)	Grade 6	6/1,060	4.58 (0.74)	4.50 (0.86)	0.08	0.10	ns	+4
Locus of control (follow-up)	Grade 6	6/1,060	4.37 (0.63)	4.25 (0.72)	0.12	0.18	ns	+7
<b>Average<sup>11</sup> for knowledge, attitudes, and values (Bacon, 2000)</b>						0.20	ns	+8
<b>Bacon, 2003 (randomized controlled trial)</b>								
Emotional competency skills (follow-up)	Grades 3–4	6/935	4.00 (0.61)	3.95 (0.61)	0.05	0.08	ns	+3
Social and resistance skills (follow-up)	Grades 3–4	6/935	3.59 (0.63)	3.54 (0.64)	0.05	0.08	ns	+3
Goal setting and decision making skills (follow-up)	Grades 3–4	6/935	4.33 (0.73)	4.21 (0.71)	0.12	0.17	ns	+7
<b>Average<sup>11</sup> for knowledge, attitudes, and values (Bacon, 2003)</b>						0.11	ns	+4
<b>Domain average for knowledge, attitudes and values across studies</b>						0.16	na <sup>12</sup>	+7

ns = not statistically significant

na = not applicable

1. This appendix reports end-of-program and follow-up findings considered for the effectiveness rating and the improvement index. Interim and immediate posttest findings from the same studies are not included in these ratings, but are reported in Appendix A4.2.
2. The standard deviation across all students in each group shows how dispersed the participants' outcomes are: a smaller standard deviation on a given measure would indicate that participants had more similar outcomes.

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## Appendix A3.2 Summary of study findings included in the rating for the knowledge, attitudes, and values domain<sup>1</sup> (continued)

3. Bacon (2003) also examined effects on students' perceptions of the harmful effects of drugs and alcohol and students' intentions to smoke tobacco. These outcomes were not included, because they were not relevant to the scope of this review. For further information about the scope of this review, please see the [Character Education Protocol](#).
4. The WWC requested and received from the study author sample sizes for the analysis sample of students for all variables in Bacon (2000) because they were not reported in the study paper.
5. The WWC received confirmation from the study author that the analysis for pretest equivalence is based on the analysis sample rather than the intent-to-treat sample. This analysis addresses concerns about sample attrition that otherwise might affect findings.
6. Positive differences and effect sizes favor the intervention group; negative differences and effect sizes favor the comparison group. The numbers in the mean difference column for the intentions for drinking and marijuana use represent the odds ratio (ratio between the proportions of the intervention group and comparison group) used to calculate effect size.
7. For an explanation of the effect size calculation, please see the [Technical Details of WWC-Conducted Computations](#).
8. Statistical significance is the probability that the difference between groups is the result of chance rather than a real difference between the groups. The level of statistical significance was calculated by the WWC and, where necessary, corrects for clustering within classrooms or schools, and for multiple comparisons. For an explanation, see the [WWC Tutorial on Mismatch](#). See the [Technical Details of WWC-Conducted Computations](#) for the formulas the WWC used to calculate the statistical significance. In the case of the *Too Good for Drugs*<sup>TM</sup> report, corrections for clustering and multiple comparisons were needed.
9. The improvement index represents the difference between the percentile rank of the average student in the intervention condition and that of the average student in the comparison condition. The improvement index can take on values between -50 and +50, with positive numbers denoting favorable results.
10. Effect size for this outcome measure was calculated using the odds ratio formula, please see the [Technical Details of WWC-Conducted Computations](#).
11. The WWC-computed average effect sizes for each study and for the domain across studies are simple averages rounded to two decimal places. The average improvement indices are calculated from the average effect sizes.
12. In both studies reviewed for *Too Good for Drugs*<sup>TM</sup> Bacon reported statistically significant positive findings for several student outcomes, but after correcting for clustering and multiple comparisons the WWC found that the differences between the groups were not statistically significant.

## Appendix A4.1 Summary of end-of-program study findings for the behavior domain<sup>1</sup>

Outcome measure	Study sample	Sample size (students/schools) <sup>3</sup>	Author's findings from the study					
			Mean outcome (standard deviation <sup>2</sup> )		WWC calculations			
			<i>Too Good for Drugs™</i> group (column 1)	Comparison group (column 2)	Mean difference <sup>4</sup> (column 1–column 2)	Effect size <sup>5</sup>	Statistical significance <sup>6</sup> (at $\alpha = 0.05$ )	Improvement index <sup>7</sup>
Bacon, 2000 (randomized controlled trial)								
Personal and social skills	Grades 3–4	6/1,051	3.71 (0.78)	3.50 (0.66)	0.21	0.29	ns	+11
Prosocial behaviors	Grades 3–4	6/1,051	3.79 (0.87)	3.37 (0.72)	0.42	0.52	ns	+20
Inappropriate behaviors	Grades 3–4	6/1,051	4.20 (0.91)	4.05 (1.01)	0.15	0.16	ns	+6

ns = not statistically significant

1. This appendix presents interim and immediate posttest findings for the behavior domain. End-of-program and follow-up scores were used for rating purposes and are presented in Appendix A3.1.
2. The standard deviation across all students in each group shows how dispersed the participants' outcomes are: a smaller standard deviation on a given measure would indicate that participants had more similar outcomes.
3. The WWC received confirmation from the study author that the analysis for pretest equivalence is based on the analysis sample rather than the intent-to-treat sample. This analysis addresses concerns about sample attrition that otherwise might affect findings.
4. Positive differences and effect sizes favor the intervention group; negative differences and effect sizes favor the comparison group.
5. For an explanation of the effect size calculation, please see the [Technical Details of WWC-Conducted Computations](#).
6. Statistical significance is the probability that the difference between groups is the result of chance rather than a real difference between the groups. The level of statistical significance was calculated by the WWC and, where necessary, corrects for clustering within classrooms or schools. For an explanation, see the [WWC Tutorial on Mismatch](#). See the [Technical Details of WWC-Conducted Computations](#) for the formulas the WWC used to calculate the statistical significance. In the case of the *Too Good for Drugs™* report, a correction for clustering was needed.
7. The improvement index represents the difference between the percentile rank of the average student in the intervention condition and that of the average student in the comparison condition. The improvement index can take on values between –50 and +50, with positive numbers denoting favorable results.

## Appendix A4.2 Summary of end-of-program study findings for the knowledge, attitudes, and values domain<sup>1</sup>

Outcome measure <sup>3</sup>	Study sample	Sample size (students/schools) <sup>4,5</sup>	Author's findings from the study					
			Mean outcome (standard deviation <sup>2</sup> )		WWC calculations			
			<i>Too Good for Drugs™</i> group (column 1)	Comparison group (column 2)	Mean difference <sup>6</sup> (column 1–column 2)	Effect size <sup>7</sup>	Statistical significance <sup>8</sup> (at $\alpha = 0.05$ )	Improvement index <sup>9</sup>
<b>Bacon, 2000 (randomized controlled trial)</b>								
Intentions for drinking	Grade 6	6/1,060	59 out of 575 students	58 out of 366 students	1.65	0.30	ns	+12
Intention for marijuana	Grade 6	6/1,060	50 out of 589 students	45 out of 384 students	1.43	0.22	ns	+9
Resistance skills	Grade 6	6/1,060	4.50 (0.45)	4.25 (0.78)	0.25	0.42	ns	+16
Prosocial peers	Grade 6	6/1,060	4.71 (0.56)	4.58 (0.72)	0.13	0.21	ns	+8
Locus of control	Grade 6	6/1,060	4.47 (0.71)	4.26 (0.57)	0.21	0.32	ns	+12
<b>Bacon, 2003 (randomized controlled trial)</b>								
Emotional competency skills	Grades 3–4	6/935	4.08 (0.57)	3.94 (0.59)	0.14	0.24	ns	+10
Social and resistance skills	Grades 3–4	6/935	3.63 (0.68)	3.49 (0.68)	0.14	0.21	ns	+8
Goal setting and decisionmaking skills	Grades 3–4	6/935	4.50 (0.58)	4.24 (0.66)	0.26	0.42	ns	+16

ns = not statistically significant

1. This appendix presents interim and immediate posttest findings for measures that fall in the knowledge, attitudes, and values domain. End-of-program and follow-up scores were used for rating purposes and are presented in Appendix A3.2.
2. The standard deviation across all students in each group shows how dispersed the participants' outcomes are: a smaller standard deviation on a given measure would indicate that participants had more similar outcomes.
3. Bacon (2003) also examined effects on students' perceptions of the harmful effects of drugs and alcohol and students' intentions to smoke tobacco. These outcomes were not included, because they were not relevant to the scope of this review. For further information about the scope of this review, please see the [Character Education Protocol](#).
4. WWC requested and received from the study author sample sizes for the analysis sample of students for all variables in Bacon (2000) because they were not reported in the study paper.
5. The WWC received confirmation from the study author that the analysis for pretest equivalence is based on the analysis sample rather than the intent-to-treat sample. This analysis addresses concerns about sample attrition that otherwise might affect findings.
6. Positive differences and effect sizes favor the intervention group; negative differences and effect sizes favor the comparison group. The numbers in the mean difference column for the intentions for drinking and marijuana use represent the odds ratio (ratio between the proportions of the intervention group and comparison group) used to calculate effect size.

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## Appendix A4.2 Summary of end-of-program study findings for the knowledge, attitudes, and values domain<sup>1</sup> *(continued)*

7. For an explanation of the effect size calculation, please see the [Technical Details of WWC-Conduct Computations](#).
8. Statistical significance is the probability that the difference between groups is the result of chance rather than a real difference between the groups. The level of statistical significance was calculated by the WWC and where necessary, corrects for clustering within classrooms or schools. For an explanation, see the [WWC Tutorial on Mismatch](#). See the [Technical Details of WWC-Conduct Computations](#) for the formulas the WWC used to calculate the statistical significance. In the case of the *Too Good for Drugs™* report, a correction for clustering was needed.
9. The improvement index represents the difference between the percentile rank of the average student in the intervention condition and that of the average student in the comparison condition. The improvement index can take on values between -50 and +50, with positive numbers denoting favorable results.

## Appendix A5.1 Rating for the behavior domain

The WWC rates interventions as positive, potentially positive, mixed, no discernible effects, potentially negative, or negative.<sup>1</sup>

For the outcome domain of behavior, the WWC rated *Too Good for Drugs*<sup>TM</sup> as having potentially positive effects. It did not meet the criteria for positive effects, because it only had one study. The remaining ratings (mixed effects, no discernible effects, potentially negative effects, and negative effects) were not considered, because *Too Good for Drugs*<sup>TM</sup> was assigned the highest applicable rating.

### Rating received

**Potentially positive effects:** Evidence of a positive effect with no overriding contrary evidence.

- Criterion 1: At least one study showing a statistically significant or substantively important *positive* effect, thus qualifying as a *positive* effect.  
**Met.** The one study on *Too Good for Drugs*<sup>TM</sup> that examined behavior found a substantively important positive effect.
- Criterion 2: No studies showing a statistically significant or substantively important *negative* effect. Fewer or the same number of studies showing *indeterminate* effects than showing statistically significant or substantively important *positive* effects.

**Met.** The WWC analysis found no statistically significant or substantively important negative effects or indeterminate effects in this domain.

### Other ratings considered

**Positive effects:** Strong evidence of a positive effect with no overriding contrary evidence.

- Criterion 1: Two or more studies showing statistically significant *positive* effects, at least one of which met WWC evidence standards for a strong design.  
**Not met.** *Too Good for Drugs*<sup>TM</sup> had only one evaluation study meeting WWC evidence standards that examined student outcomes in the behavior domain.
- Criterion 2: No studies showing statistically significant or substantively important *negative* effects.

**Met.** No studies showing statistically significant or substantively important negative effects in this domain.

1. For rating purposes, the WWC considers the statistical significance of individual outcomes and the domain level effect. The WWC also considers the size of the domain level effect for ratings of potentially positive effects. See the [WWC Intervention Rating Scheme](#) for a complete description.

## Appendix A5.2 Rating for the knowledge, attitudes, and values domain

The WWC rates interventions as positive, potentially positive, mixed, no discernible effects, potentially negative, or negative.<sup>1</sup>

For the outcome domain of knowledge, attitudes, and values, the WWC rated *Too Good for Drugs*<sup>TM</sup> as having no discernible effects. It did not meet the criteria for other ratings (positive effects, potentially positive effects, mixed effects, potentially negative effects, and negative effects) because none of the studies showed statistically significant or substantively important effects.

### Rating received

**No discernible effects:** No affirmative evidence of effects.

- Criterion 1: None of the studies shows a statistically significant or substantively important effect, either positive or negative.

**Met.** *Too Good for Drugs*<sup>TM</sup> had two studies meeting WWC evidence standards. Neither study showed a statistically significant or substantively important effect.

### Other ratings considered

**Positive effects:** Strong evidence of a positive effect with no overriding contrary evidence.

- Criterion 1: Two or more studies showing statistically significant *positive* effects, at least one of which met WWC evidence standards for a strong design.

**Not met.** *Too Good for Drugs*<sup>TM</sup> had two studies meeting WWC evidence standards, both of which met standards for strong design. But neither study showed a statistically significant positive effect.

- Criterion 2: No studies showing statistically significant or substantively important *negative* effects.

**Met.** The WWC analysis found no statistically significant or substantively important negative effects in this domain.

**Potentially positive effects:** Evidence of a positive effect with no overriding contrary evidence.

- Criterion 1: At least one study showing a statistically significant or substantively important *positive* effect, thus qualifying as a *positive* effect.

**Not met.** The WWC analysis found no statistically significant or substantively important positive effects in this domain.

- Criterion 2: No studies showing a statistically significant or substantively important *negative* effect. Fewer or the same number of studies showing *indeterminate* effects than the number showing statistically significant or substantively important *positive* effects.

**Not met.** The WWC analysis found no statistically significant or substantively important negative effects in this domain. But, while both studies showed indeterminate effects, neither showed statistically significant or substantively important positive effects in this domain.

**Mixed effects:** Evidence of inconsistent effects as demonstrated through EITHER of the following.

- Criterion 1: At least one study showing a statistically significant or substantively important *positive* effect. At least one study showing a statistically significant or substantively important *negative* effect, but no more such studies than the number showing a statistically significant or substantively important *positive* effect.

**Not met.** No studies showing statistically significant or substantively important effects in this domain.

OR

- Criterion 2: At least one study showing a statistically significant or substantively important effect AND more studies showing an *indeterminate* effect than showing a statistically significant or substantively important effect.

## Appendix A5.2 Rating for the knowledge, attitudes, and values domain *(continued)*

**Not met.** No studies sharing a statistically significant or substantively important effect in this domain.

**Potentially negative effects:** Evidence of a negative effect with no overriding contrary evidence.

- Criterion 1: At least one study showing a statistically significant or substantively important *negative* effect.

**Not met.** No studies showing a statistically significant or substantively important negative effect in this domain.

- Criterion 2: No studies showing a statistically significant or substantively important *positive* effect, OR more studies showing statistically significant or substantively important *negative* effects than showing statistically significant or substantively important *positive* effects.

**Met.** No studies showing a statistically significant or substantively important positive effect in this domain.

**Negative effects:** Strong evidence of a negative effect with no overriding contrary evidence.

- Criterion 1: Two or more studies showing statistically significant *negative* effects, at least one of which is based on a strong design.

**Not met.** The WWC analysis found no statistically significant negative effects in this domain.

- Criterion 2: No studies showing statistically significant or substantively important *positive* effects.

**Met.** The WWC analysis found no statistically significant or substantively important positive effects in this domain.

1. For rating purposes, the WWC considers the statistical significance of individual outcomes and the domain level effect. The WWC also considers the size of the domain level effect for ratings of potentially positive effects. See the [WWC Intervention Rating Scheme](#) for a complete description.