

**December 2016**  
**Updated Inventory of Programs for the Prevention and Treatment of Youth Cannabis Use**

*Revised January 13, 2017 for technical corrections*

Program/intervention	Level of evidence	Effective for cannabis <sup>#</sup>	Benefit-cost percentage	Reason program does not meet suggested evidence-based criteria (see full definitions below)	Percent minority
<b>Prevention</b>					
Alcohol Literacy Challenge (for college students)	⊙		48%	Benefit-cost	24%
Alcohol Literacy Challenge (for high school students)	P			Single evaluation	33%
Athletes Training and Learning to Avoid Steroids (ATLAS)	P			Weight of evidence	22%
Brief intervention for youth in medical settings	⊙		49%	Benefit-cost	65%
Caring School Community (formerly Child Development Project)	P		61%	Weight of evidence	47%
Case management in schools (including Communities in Schools)	⊙		96%	Mixed results	61%
Communities That Care	●		80%		33%
Compliance checks for alcohol (including Reward & Reminder)	⊙			Single evaluation	25%
Compliance checks for tobacco (including Reward & Reminder)	P			Single evaluation	28%
Coping Power Program	⊙		50%	Benefit-cost	80%
Curriculum-Based Support Group (CBSG)	P			Single evaluation	90%
Familias Unidas	⊙		41%	Benefit-cost	100%
Family Check-Up (also known as Positive Family Support)	⊙	✓	41%	Benefit-cost	61%
Family Matters	⊙		74%	Heterogeneity	22%
Guiding Good Choices (formerly Preparing for the Drug Free Years)	⊙		56%	Benefit-cost	46%
InShape	⊙		46%	Single evaluation	28%
keepin' it Real	P		62%	Weight of evidence	83%
Life Skills Training (for middle school students)	⊙		66%	Benefit-cost	38%
Lions Quest Skills for Adolescence	⊙	✓	65%	Benefit-cost	74%
Mentoring for students: Community-based (with volunteer costs) (including Big Brothers Big Sisters)	⊙		66%	Benefit-cost	78%
Multicomponent environmental interventions to prevent youth alcohol use	P		27%	Weight of evidence	19%
Multicomponent environmental interventions to prevent youth tobacco use	⊙		86%	Heterogeneity	21%
Positive Action	●	✓	88%		63%
Project ALERT	⊙		64%	Benefit-cost/heterogeneity	12%

● Evidence-based   ⊙ Research-based   P Promising   See definitions and notes on page 3.

Notes:

<sup>#</sup> At least one cannabis outcome with a meta-analytic effect size estimate demonstrating reduced cannabis use with a p-value < 0.20.

Many interventions produce effects on more than one type of outcome. This is especially true for prevention programs that often target multiple issues. WSIPP analyzes all relevant outcomes, and the evidence rating and benefit-cost results for a given program are often based on a variety of different outcomes, such as school achievement, substance use, mental health, and crime. In the column to the right of the level of evidence, we denote with a check mark those programs that have evidence of effectiveness for cannabis use specifically (p < 0.20). In addition to the overall level of evidence for a program, it is important to consider the specific outcomes the program has achieved to determine suitability for a given application. This is especially true for programs listed as "Mixed results" which is indicated when a program has both favorable and harmful effects. Each program name in the table links to a results page where the table, "Meta-Analysis of Program Effects," lists all of the outcomes analyzed for each program.

*The classifications in this document are current as of December 2016.*

*For the most up-to-date results, please visit the program's page on our website <http://www.wsipp.wa.gov/BenefitCost>*

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<b>Prevention (continued)</b>					
Project Northland	⊙		74%	Benefit-cost	36%
Project STAR	⊙	✓	73%	Benefit-cost/heterogeneity	5%
Project SUCCESS	⊙		41%	Weight of evidence	38%
Project Towards No Drug Abuse (TND)	⊙		57%	Benefit-cost	70%
PROSPER	⊙	✓	55%	Benefit-cost/heterogeneity	15%
Protecting You/Protecting Me	P			Weight of evidence	92%
Raising Healthy Children	P			Single evaluation	18%
School-based tobacco prevention programs (including Project Towards No Tobacco Use)	●		99%		41%
SPORT	⊙			Single evaluation	49%
STARS (Start Taking Alcohol Risks Seriously) for Families	P			Single evaluation	66%
Strengthening Families for Parents and Youth 10-14	⊙	✓	71%	Benefit-cost/heterogeneity	21%
Strong African American Families	⊙			Single evaluation	100%
Strong African American Families—Teen	⊙			Single evaluation	100%
Teen Intervene	⊙	✓	96%	Heterogeneity	29%
<b>Treatment</b>					
Adolescent Assertive Continuing Care	⊙	✓	37%	Benefit-cost/heterogeneity	26%
Functional Family Therapy for substance-abusing adolescents (FFT-SA)	⊙		0%	Benefit-cost	74%
Multidimensional Family Therapy (MDFT)	⊙	✓	12%	Benefit-cost	100%
Multidimensional Treatment Foster Care	⊙		61%	Benefit-cost/heterogeneity	23%
Multisystemic Therapy (MST) for substance abusers	⊙	✓	54%	Benefit-cost	63%
Teen Marijuana Check-Up	●	✓	100%		39%

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**Definitions and Notes:**

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**Reasons Programs May Not Meet Suggested Evidence-Based Criteria:**

- Benefit-cost:** The proposed definition of evidence-based practices requires that, when possible, a benefit-cost analysis be conducted. We use WSIPP's benefit-cost model to determine whether a program meets this criterion. Programs that do not have at least a 75% chance of a positive net present value do not meet the benefit-cost test. The WSIPP model uses Monte Carlo simulation to test the probability that benefits exceed costs. The 75% standard was deemed an appropriate measure of risk aversion.
- Heterogeneity:** To be designated as evidence-based under current law or the proposed definition, a program must have been tested on a "heterogeneous" population. We operationalized heterogeneity in two ways. First, the proportion of minority program participants must be greater than or equal to the minority proportion of children under 18 in Washington State. From the 2010 Census, of all children in Washington, 68% were white and 32% minority. Thus, if the weighted average of program participants had at least 32% minorities then the program was considered to have been tested on a heterogeneous population.
- Second, the heterogeneity criterion can also be achieved if at least one of the studies has been conducted on children in Washington and a subgroup analysis demonstrates the program is effective for minorities ( $p < 0.20$ ). Programs passing the second test are marked with a ^. Programs that do not meet either of these two criteria do not meet the heterogeneity definition. Programs whose evaluations do not meet either of these two criteria do not meet the heterogeneity definition.
- Mixed results:** If findings are mixed from different measures (e.g., undesirable outcomes for behavior measures and desirable outcomes for test scores), the program does not meet evidence-based criteria.
- Research on outcomes of interest not yet available:** The program has not yet been tested with a rigorous outcome evaluation.
- Single evaluation:** The program does not meet the minimum standard of multiple evaluations or one large multiple-site evaluation contained in the current or proposed definitions.
- Weight of evidence:** To meet the evidence-based definition, results from a random effects meta-analysis ( $p$ -value  $< 0.20$ ) of multiple evaluations or one large multiple-site evaluation must indicate the practice achieves the desired outcome(s). To meet the research-based definition, one single-site evaluation must indicate the practice achieves the desired outcomes ( $p$ -value  $< 0.20$ ).

**Level of Evidence:**

- Evidence-based:** A program or practice that has been tested in heterogeneous or intended populations with multiple randomized and/or statistically-controlled evaluations, or one large multiple-site randomized and/or statistically-controlled evaluation, where the weight of the evidence from a systematic review demonstrates sustained improvements in at least one outcome. Further, "evidence-based" means a program or practice that can be implemented with a set of procedures to allow successful replication in Washington and, when possible, has been determined to be cost-beneficial.
- Research-based:** A program or practice that has been tested with a single randomized and/or statistically-controlled evaluation demonstrating sustained desirable outcomes; or where the weight of the evidence from a systematic review supports sustained outcomes as identified in the term "evidence-based" in RCW (the above definition) but does not meet the full criteria for "evidence-based."
- Promising practice:** A program or practice that, based on statistical analyses or a well-established theory of change, shows potential for meeting the "evidence-based" or "research-based" criteria, which could include the use of a program that is evidence-based for outcomes other than the alternative use.

**Other Definitions:**

- Benefit-cost percentage:** The percent of the time where the monetary benefits exceed costs.