



Marijuana Use Prevention Programs in Washington State

What we know....what we need to know

Kevin Haggerty, UW, SDRG

Also Contributing:

Brittany Rhoades-Cooper, WSU

Julia Havens, Wa St. DBHR



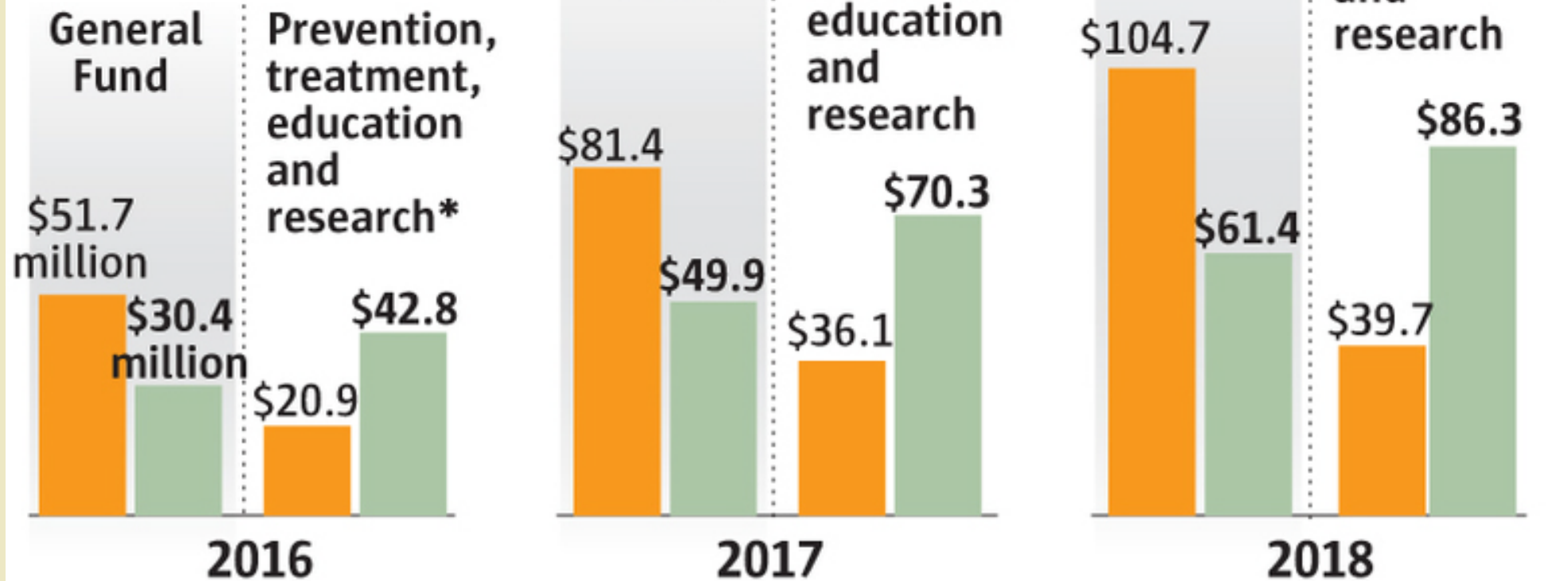
What We Know

1. I-502 provides resources for evidence based prevention programs
2. Programs have been tested and have had impacts on preventing marijuana
3. Underlying Risk for Marijuana Misuse
4. Programs have had impacts on reducing underlying risk factors
5. Regulation of the industry is critical to prevention



Spending ■ ■ What I-502 promised

Figures in millions



*Funds for Department of Social and Health Services; Department of Health; University of Washington and Washington State University; Office of Superintendent of Public Instruction

Source: Initiative 502; Washington State Economic and Revenue Forecast Council

May 18, 2016

MARK NOWLIN / THE SEATTLE TIMES



The Washington Marijuana Fund

“....at least eighty-five percent must be directed to evidence-based and cost beneficial programs and practices that produce objectively measurable results;”



Risk factors for youth marijuana use

Community

Family

School

Individual/Peer

Risk Factors

Community

Availability of Drugs

Availability of Firearms

Community Laws and Norms Favorable Toward Drug Use, Firearms, and Crime

Media Portrayals

Transitions and Mobility

Low Neighborhood Attachment and Community Disorganization

Extreme Economic Deprivation

Family

Family History of the Problem Behavior

Family Management Problems

Family Conflict

Favorable Parental Attitudes and Involvement in the Problem Behavior

School

Academic Failure Beginning in Late Elementary School

Lack of Commitment to School

Individual/Peer

Early and Persistent Antisocial Behavior

Alienation and Rebelliousness

Friends Who Engage in the Problem Behavior

Favorable Attitudes Toward the Problem Behavior

Early Initiation of the Problem Behavior

Constitutional Factors

Marijuana Misuse



Catalano et al., (in press) *Contemporary Health Issues on Marijuana*, Oxford University Press

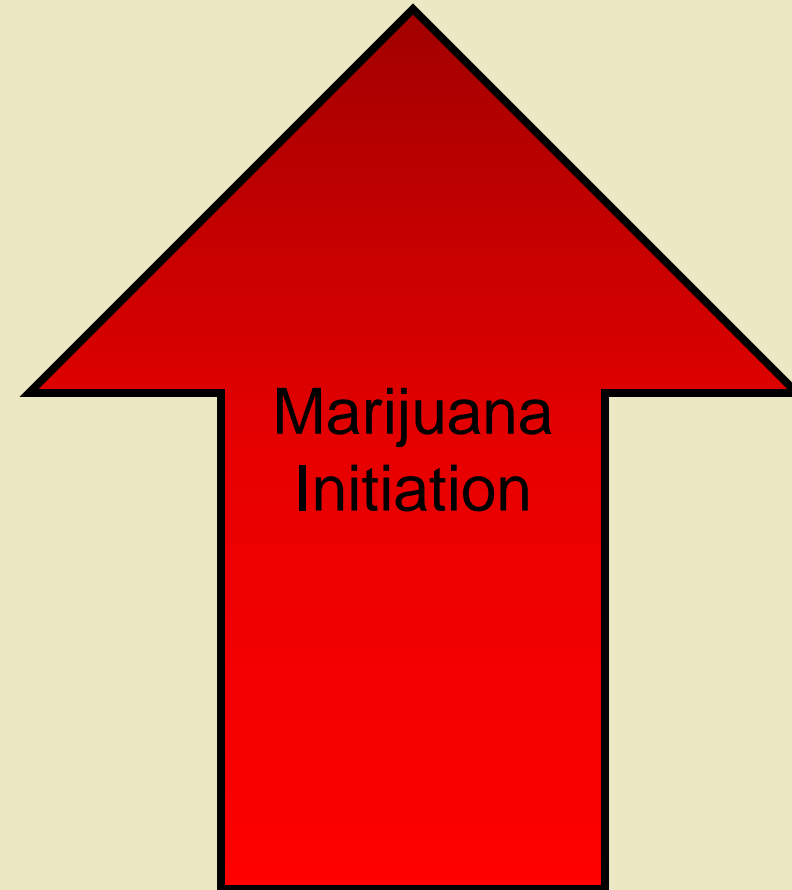


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Our work at SDRG has shown...

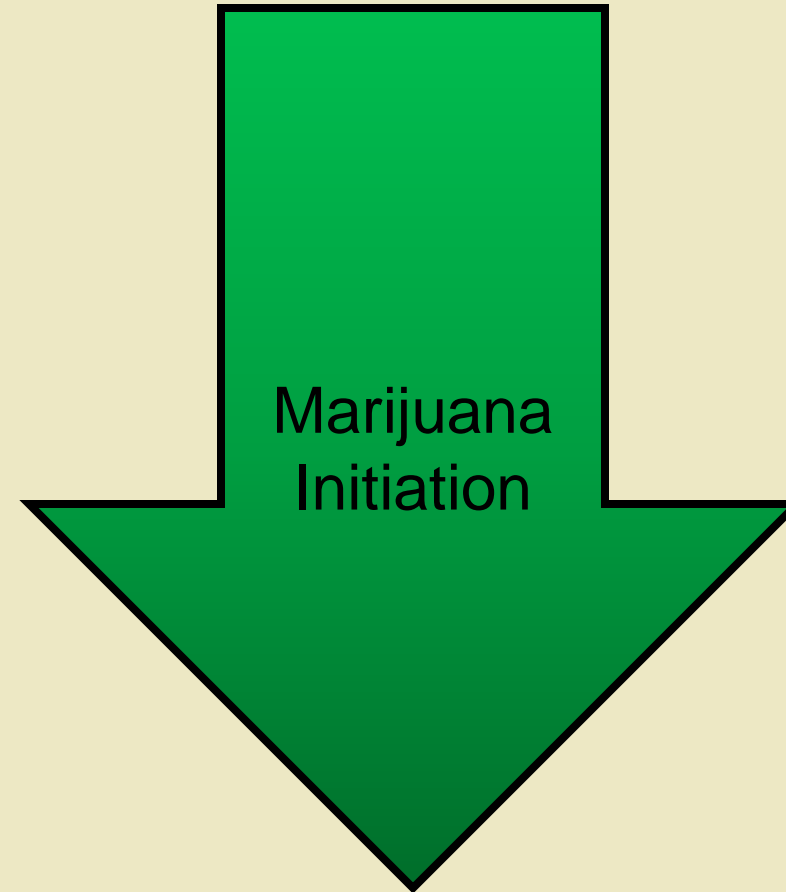
- Peer or sibling use
- Prior alcohol use
- Prior cigarette use





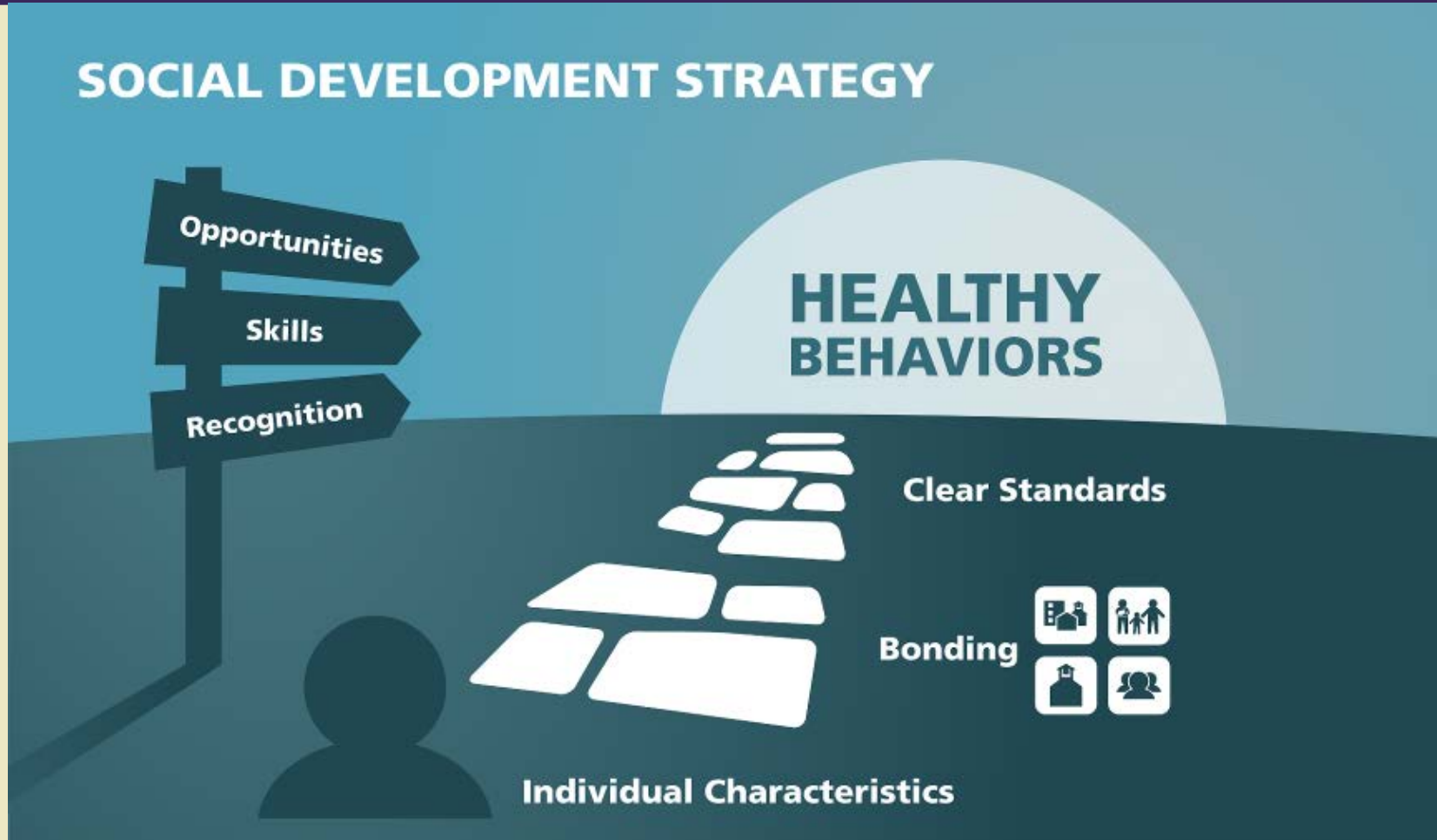
Our work at SDRG has shown...

- Good family management
- Norms against use & perceived harm





FIVE IMPORTANT ELEMENTS

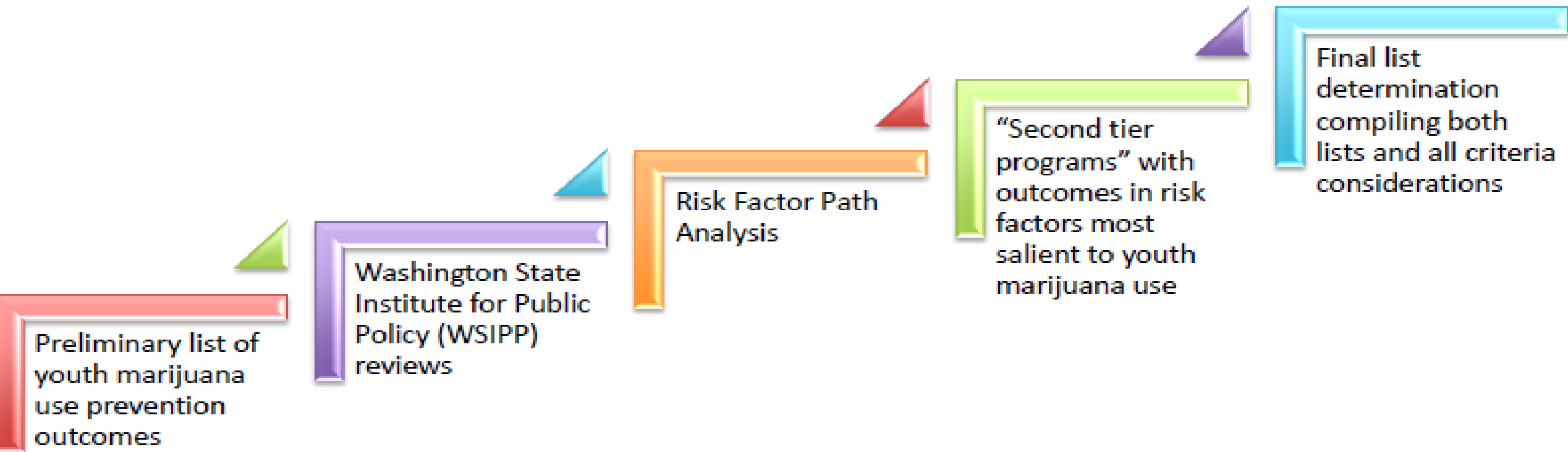




What Programs Are Supported by Washington State DBHR?



The Emerging Process





The Original DBHR approved programs

FAMILY

- Guiding Good Choices
- Positive Family Support—Family Check-up

SCHOOL

- Caring School Community
- Keepin' it Real
- Life Skills Training
- Lions Quest
- Toward No Drug Abuse
- Redcliff Wellness Project

INDIVIDUAL

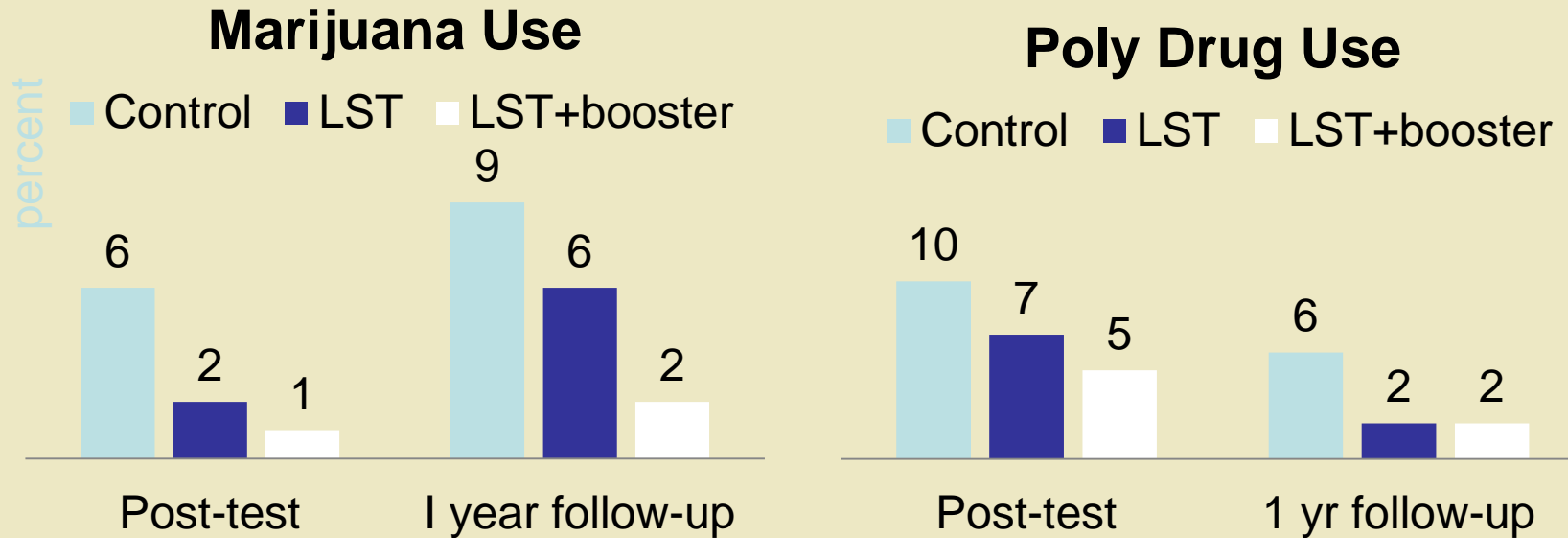
- In Shape
- SPORT
- Multi-Dimensional Treatment Foster Care

COMMUNITY

- Project Northland
- Project Venture



Life Skills Training (LST) Outcomes



60% reduction in alcohol, cigarette and marijuana use 3 years later for students whose teachers taught at least 60% of the curriculum





Exhibit 1

Benefits and Costs for Programs to Prevent or Treat Youth Marijuana Use

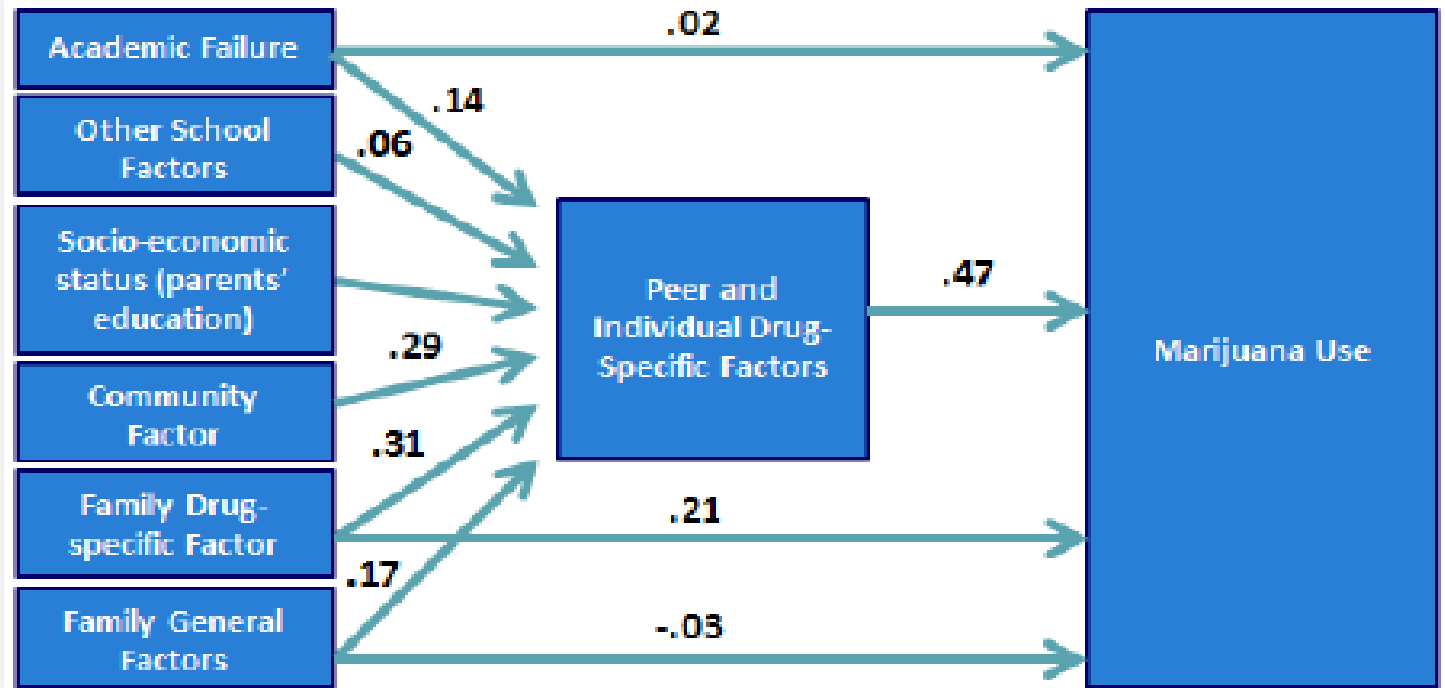
Program name	Total Benefits	Taxpayer benefits	Non-taxpayer benefits	Costs	Benefits minus costs (net present value)	Benefit to cost ratio	Odds of a positive net present value
Prevention Programs							
Life Skills Training	\$3,461	\$804	\$2,657	(\$97)	\$3,363	\$35.66	93%
Communities that Care	\$2,079	\$626	\$1,453	(\$574)	\$1,505	\$3.70	85%
Project STAR	\$3,917	\$941	\$2,977	(\$499)	\$3,418	\$7.86	84%
Lions Quest Skills for Adolescence	\$461	\$89	\$372	(\$95)	\$366	\$4.88	75%
SPORT	\$1,339	\$308	\$1,030	(\$38)	\$1,300	\$34.84	73%
keepin' it REAL	\$813	\$244	\$569	(\$48)	\$765	\$16.98	73%
Strengthening Families for Parents and youth 10-14	\$4,259	\$1,061	\$3,197	(\$1,098)	\$3,160	\$3.89	70%
Multidimensional Treatment Foster Care	\$17,286	\$4,256	\$13,031	(\$8,111)	\$9,175	\$2.13	67%
Case management in schools	\$5,252	\$1,479	\$3,773	(\$248)	\$5,005	\$21.21	66%
Project Northland	\$717	\$184	\$533	(\$185)	\$532	\$3.87	65%
Guiding Good Choices (formerly Preparing for the Drug Free Years)	\$1,951	\$653	\$1,298	(\$655)	\$1,296	\$2.99	64%
Caring School Community (formerly Child Development Project)	\$8,611	\$2,171	\$6,440	(\$1,218)	\$7,393	\$7.06	62%
Mentoring for students: Community-based (including volunteer costs)	\$10,694	\$3,513	\$7,181	(\$3,193)	\$7,501	\$3.36	60%
Project ALERT	\$331	\$119	\$213	(\$147)	\$184	\$2.25	55%
Project Towards No Drug Abuse (TND)	\$174	\$44	\$130	(\$64)	\$110	\$2.73	51%
Family Check-Up (also known as Positive Family Support)	\$79	\$53	\$26	(\$323)	(\$244)	\$0.24	47%
InShape	(\$309)	(\$90)	(\$219)	(\$15)	(\$324)	(\$21.00)	47%
Project SUCCESS	(\$209)	(\$20)	(\$189)	(\$155)	(\$364)	(\$1.35)	46%
Treatment Programs							
Teen Marijuana Check-Up	\$1,898	\$588	\$1,310	(\$106)	\$1,793	\$17.94	100%
Adolescent Assertive Continuing Care	\$11,089	\$3,387	\$7,702	(\$2,181)	\$8,907	\$5.09	68%
Multidimensional Family Therapy (MDFT) for substance abusers	\$14,292	\$4,308	\$9,984	(\$7,804)	\$6,488	\$1.84	67%



Path Analysis

- Individual/peer favorable attitudes toward drug use
- Individual/peer perceived risks for drug use
- Individual/peer intentions to use drugs
- Peer use of drugs
- Parental favorable attitudes toward drug use
- Family management

Path Analysis Model





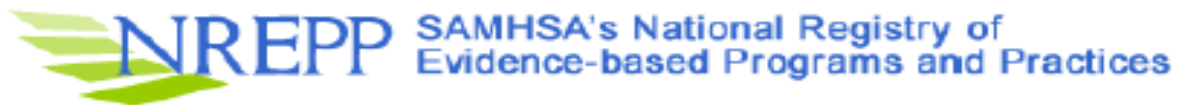
Criteria For Second Tier Programs

- Programs on NREPP
- Experimental Designs (RCT or QED)
- Overall Quality of Research and dissemination 3.0 or higher



Second Tier Program List

- WSU and SDRG review and Recommendations
- Extensive NREPP search and Coding
- Blueprints Database





Final Criteria for Recommendations

1. Already demonstrated marijuana outcomes; aligned with WSIPP
2. Addresses earlier developmental risk and protective factors
Separate out programs that focus on older age populations
3. Demonstrate outcomes on multiple risk factors, especially attitudes/intentions
4. Consistent with Blueprints criteria; include more than pre-post
5. No iatrogenic effects related to marijuana use
6. Independently evaluated rather than part of a booster or system
7. Stay marijuana focused (rather than tobacco or alcohol only programs)



Family Endorsed Programs

- Nurse Family Partnership (NFP)
- Incredible Years
- Guiding Good Choices
- Strengthening Families Program: For Parents and Youth 10-14 (*Iowa Version*) *
- Familias Unidas
- Strong African American Families
- Brief Strategic Family Therapy



Endorsed School Based Programs

- Good Behavior Game (GBG)
- Positive Action
- Coping Power
- Raising Healthy Children (*using SSDP model*)
- Keepin it Real
- Life Skills Training - Middle School
- Lions Quest Skills for Adolescence
- Athletes Training & Learning to Avoid Steroids
- Project Toward No Drug Abuse
- SPORT Prevention Plus Wellness
- Teen Intervene



Endorsed Community Level Programs

- Communities that Care
- PROSPER
- Project Northland (*includes Class Action*)
- Project STAR
- Mentoring for students: Community-based



Endorsed Environmental Strategies

- Policy Review and Development
- Purchase Surveys coupled with Reward and Reminder
- Restrictions at Community Events
- Social Norms Marketing



Some Important Things We DON'T Know...Yet

1. The **impact** of evidence based programs on marijuana use in the *context of legalized marijuana*
2. The **costs** of *moderate* marijuana use
3. The impact of **increased parental use** in proximity to children during different developmental ages
4. The **causal pathways** of risk and protective factors specific to marijuana use
5. What the legislature will do with the Marijuana Fund
6. What industry will do to reduce regulation