

Project Towards No Drug Abuse (TND)

Program description:

This is a drug abuse prevention program with a focus on high school youth who are at risk for drug abuse. It has been tested at traditional and alternative high schools. A set of 12 in-class interactive sessions addresses the use of cigarettes, alcohol, marijuana, and hard drug use.

Typical age of primary program participant: 16

Typical age of secondary program participant: N/A

Meta-Analysis of Program Effects

Outcomes Measured	Primary or Secondary Participant	No. of Effect Sizes	Unadjusted Effect Sizes (Random Effects Model)			Adjusted Effect Sizes and Standard Errors Used in the Benefit-Cost Analysis					
			ES	SE	p-value	First time ES is estimated			Second time ES is estimated		
						ES	SE	Age	ES	SE	Age
Regular smoking	P	6	-0.05	0.05	0.29	-0.02	0.05	18	-0.02	0.05	28
Age of initiation (other illicit drugs)	P	6	0.25	0.08	0.00	0.11	0.08	18	0.11	0.08	28
Underage alcohol use	P	6	-0.05	0.03	0.07	-0.02	0.03	18	-0.02	0.03	28
Cannabis use	P	6	-0.06	0.03	0.03	-0.02	0.03	18	-0.02	0.03	28

Benefit-Cost Summary

The estimates shown are present value, life cycle benefits and costs. All dollars are expressed in the base year chosen for this analysis (2011). The economic discount rates and other relevant parameters are described in Technical Appendix 2.	Program Benefits					Costs	Summary Statistics			
	Partici-pants	Tax-payers	Other	Other Indirect	Total Benefits		Benefit to Cost Ratio	Return on Investment	Benefits Minus Costs	Probability of a positive net present value
	\$18	\$31	\$30	\$45	\$123	-\$14	\$8.61	20%	\$109	76%

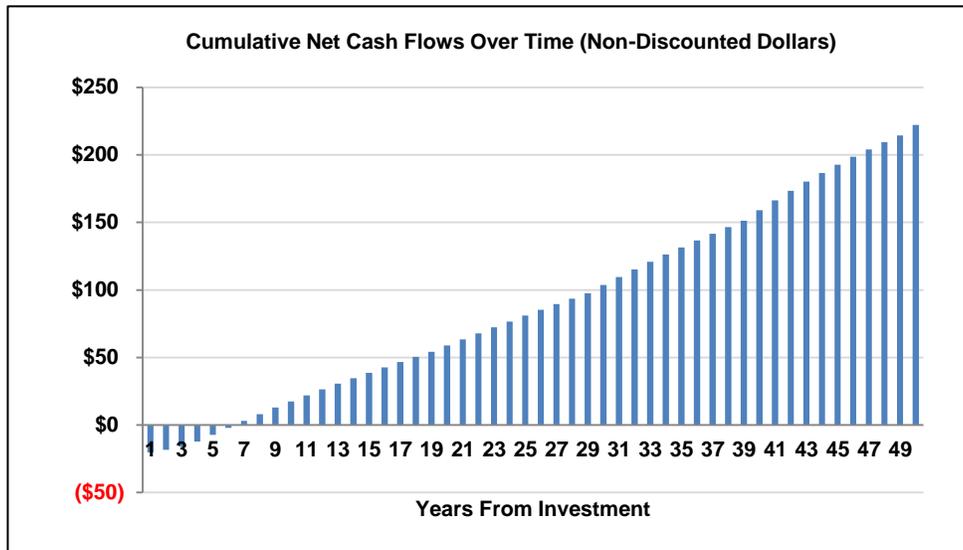
Detailed Monetary Benefit Estimates

Source of Benefits	Benefits to:				
	Partici-pants	Tax-payers	Other	Other In-direct	Total Benefits
Earnings via regular smoking	\$7	\$3	\$0	\$30	\$40
Health care costs for regular smoking	\$10	\$28	\$28	\$15	\$81
Property loss from illicit drug disorder	\$1	\$0	\$2	\$0	\$2

Detailed Cost Estimates

The figures shown are estimates of the costs to implement programs in Washington. The comparison group costs reflect either no treatment or treatment as usual, depending on how effect sizes were calculated in the meta-analysis. The uncertainty range is used in Monte Carlo risk analysis, described in Technical Appendix 2.	Program Costs			Comparison Costs			Summary Statistics	
	Annual Cost	Program Duration	Year Dollars	Annual Cost	Program Duration	Year Dollars	Present Value of Net Program Costs (in 2011 dollars)	Uncertainty (+ or - %)
	\$14	1	2010	\$0	1	2010	\$14	10%

Source: Cost estimates for student materials (\$12) and per-teacher training provided by Project TND. The per-student estimate for the cost of training teachers is based on an average \$1,650 one- to two-day training fee plus trainer travel costs of \$1,065 trainer (http://tnd.usc.edu/training_cost.php). The estimate assumes that each trained teacher provides TND to an average of 375 students over 5 years.



Multiplicative Adjustments Applied to the Meta-Analysis

Type of Adjustment	Multiplier
1- Less well-implemented comparison group or observational study, with some covariates.	0.5
2- Well-implemented comparison group design, often with many statistical controls.	0.5
3- Well-done observational study with many statistical controls (e.g., IV, regression discontinuity).	0.75
4- Random assignment, with some RA implementation issues.	0.75
5- Well-done random assignment study.	1.00
Program developer = researcher	0.5
Unusual (not "real world") setting	0.5
Weak measurement used	0.5

Studies Used in the Meta-Analysis

Dent, C. W., Sussman, S., & Stacy, A. W. (2001). Project Towards No Drug Abuse: Generalizability to a general high school sample. *Preventive Medicine, 32*(6), 514-520.

Rohrbach, L. A., Gunning, M., Sun, P., & Sussman, S. (2010). The Project Towards No Drug Abuse (TND) dissemination trial: Implementation fidelity and immediate outcomes. *Prevention Science, 11*(1), 77-88.

Sun, W., Skara, S., Sun, P., Dent, C. W., & Sussman, S. (2006). Project Towards No Drug Abuse: Long-term substance use outcomes evaluation. *Preventive Medicine, 42*(3), 188-192.

Sun, P., Sussman, S., Dent, C. W., & Rohrbach, L. A. (2008). One-year follow-up evaluation of Project Towards No Drug Abuse (TND-4). *Preventive Medicine, 47*(4), 438-442.

Sussman, S., Sun, P., McCuller, W. J., & Dent, C. W. (2003). Project Towards No Drug Abuse: Two-year outcomes of a trial that compares health educator delivery to self-instruction. *Preventive Medicine, 37*(2), 155-162.

Valente, T. W., Ritt-Olson, A., Stacy, A., Unger, J. B., Okamoto, J., & Sussman, S. (2007). Peer acceleration: Effects of a social network tailored substance abuse prevention program among high-risk adolescents. *Addiction, 102*(11), 1804-1815.