

## Children's Aid Society--Carrera

### Program description:

Children's Aid Society – Carrera Project provides after-school activities five days a week for teens 13 and older. Program activities include Job Club (students receive stipends and employment experience), academic assistance (available every day), classes in family life and sexuality, an arts component, and individual sports one could continue throughout life. In addition, the program provides mental health care, medical care, and full dental care.

Typical age of primary program participant: 14

Typical age of secondary program participant: -2

### 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
Crime	P	1	-0.04	0.74	0.59	-0.04	0.74	17	-0.04	0.74	27
High school graduation	P	1	0.08	0.15	0.50	0.08	0.15	17	0.08	0.15	27
Teen pregnancy (under age 18)	P	1	-0.27	0.31	0.38	-0.27	0.31	17	-0.27	0.31	27
Initiation of sexual activity	P	1	-0.23	0.12	0.06	-0.23	0.12	17	-0.23	0.12	27
Teen births under age 18	P	1	-0.06	0.09	0.54	-0.06	0.09	17	-0.06	0.09	27
Underage alcohol use	P	1	-0.12	0.06	0.06	-0.12	0.06	17	-0.12	0.06	27
Teen births (second generation)	S	1	-0.06	0.09	0.54	-0.06	0.09	17	-0.06	0.09	27

### 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	Total Benefits		Benefit to Cost Ratio	Return on Investment	Benefits Minus Costs	Probability of a positive net present value	
										Other Indirect
	\$5,253	\$2,381	-\$1,615	\$1,164	\$7,184	-\$14,220	\$0.51	n/e	-\$7,036	37%

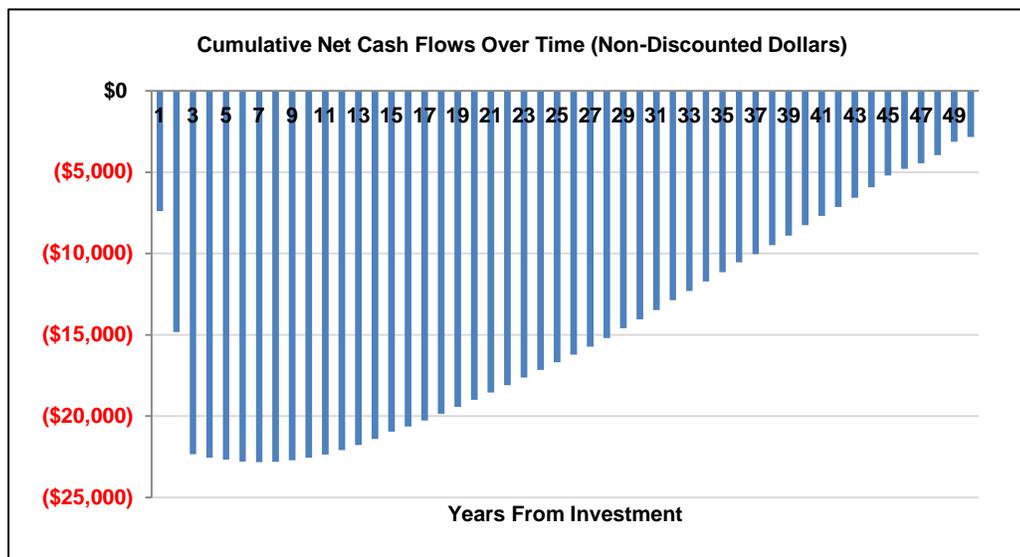
### Detailed Monetary Benefit Estimates

Source of Benefits	Benefits to:				
	Partici-pants	Tax-payers	Other	Other In-direct	Total Benefits
<b>From Primary Participant</b>					
Crime	\$0	-\$299	-\$1,110	-\$155	-\$1,565
Earnings via high school graduation	\$5,280	\$1,943	\$0	\$949	\$8,173
Health care costs via education	-\$89	\$697	-\$520	\$350	\$439
<b>From Secondary Participant</b>					
Crime	\$0	\$8	\$21	\$4	\$33
Earnings via high school graduation	\$60	\$22	\$0	\$11	\$94
Child abuse and neglect	\$3	\$0	\$0	\$0	\$4
Out-of-home placement	\$0	\$0	\$0	\$0	\$1
K-12 grade repetition	\$0	\$1	\$0	\$1	\$2
Health care costs via education	-\$1	\$8	-\$6	\$4	\$5

### 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 - %)
	\$4,000	3	2002	\$0	1	2002	\$14,214	10%

Source: Philliber S et al. Preventing Pregnancy and Improving Health Care Access Among Teenagers: An Evaluation for the Children's Aid Society-Carrera Program, 2002, Perspectives on Sexual and Reproductive Health, 34(5) page 251.



### 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., instrumental variables).	0.75
4- Random assignment, with some 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

Philliber, S., Kaye, J., & Herrling, S. (2001, May). *The national evaluation of the Children's Aid Society Carrera-Model program to prevent teen pregnancy*. Accord, NY: Philliber Research Associates.

Philliber, S., Kaye, J. W., Herrling, S., & West, E. (2002). Preventing pregnancy and improving health care access among teenagers: An evaluation of the Children's Aid Society-Carrera program. *Perspectives on Sexual and Reproductive Health*, 34(5), 244-251.