

Statistics for the Statehouse:
**Outcomes of Prevention Programs
that Matter for Policy-Level Decisions**

**Conference on Intervening Early:
Progress and Opportunities in Child Service Settings
Washington D.C.
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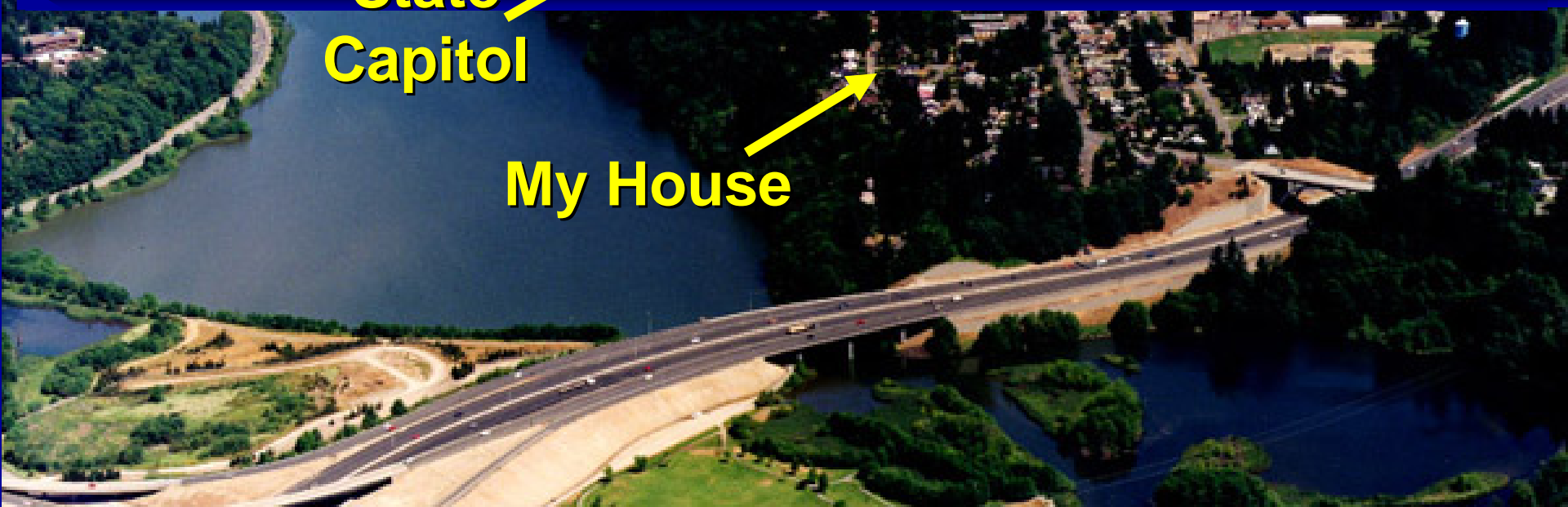
Created by the 1983 Washington Legislature

WSIPP

Mission: carry out non-partisan research on projects assigned by the legislature or the Institute's Board of Directors

State
Capitol

My House



Making Research Results Meaningful for State and Local Policy Makers

1. Money Matters

- ✓ Two Aisles, One Theme: “ROI on taxpayer's dollar”
- ✓ Balanced budget requirement force choices — C/B

2. The Messenger Matters

- ✓ The Honest Broker — think: Consumer Reports
- ✓ The Importance of Comparative Costs and Benefits
- ✓ Don't Oversell the Options — S&P500 not Microsoft

3. Outcomes that Matter to Policy Makers

- ✓ Individual program effect sizes or ROIs don't matter (much)
- ✓ “Portfolio” level outcomes matter a lot, for example:
 - *Avoiding the next prison while lowering statewide crime rates*
 - *Raising statewide K–12 test scores, high school grad. rates*
 - *Lowering statewide health care costs, increasing coverage*
- ✓ These higher-level outcomes imply sig. research demands

What Can Evidence-Based Early Childhood Education (Pre-School) Achieve?

In 2004, we conducted a systematic review of every rigorous evaluation in the United States since 1965

Outcome for <u>LOW INCOME</u> 3 & 4 year olds	Number of Studies	Average Result
High School Graduation	10	On-time graduation increases from 70% to 76%
K-12 Grade Repetition	24	Percent repeating a grade drops from 13% to 8%.
K-12 Special Education	23	Percent using special ed drops from 12% to 8%
Crime	8	Pct. with conviction by age 30 drops from 24% to 17%
Public Assistance	3	No significant effect
Teen Births (under 18)	4	No significant effect
Child Abuse and Neglect	1	Pct. with a substantiated case drops from 12% to 7%

The Economic Question:

Is Early Childhood Education for Low-Income 3 and 4 Year Olds a Good Investment?

(2005 dollars, life-cycle present value)

Benefits Per Youth Enrolled

Main Source of Benefits

Increased high school graduation	\$9,966	Increased earnings
Reduced K12 grade repetition	\$206	Lower K12 Costs
Reduced K12 special education	\$135	Lower K12 Costs
Reduced crime	\$5,068	Lower CJS & Victim \$
Reduced child abuse & neglect	\$1,919	Lower CWS & Victim \$
Reduced alcohol and drug abuse	\$278	Increased earnings
Offset child care costs	<u>\$1,897</u>	Lower CC Costs

Total Benefits Per Youth **\$19,469**

Cost Per Youth **\$7,709**

Benefits Per Dollar of Cost **\$2.53**

Our “Consumer Reports” List for reducing crime

1. What Works?

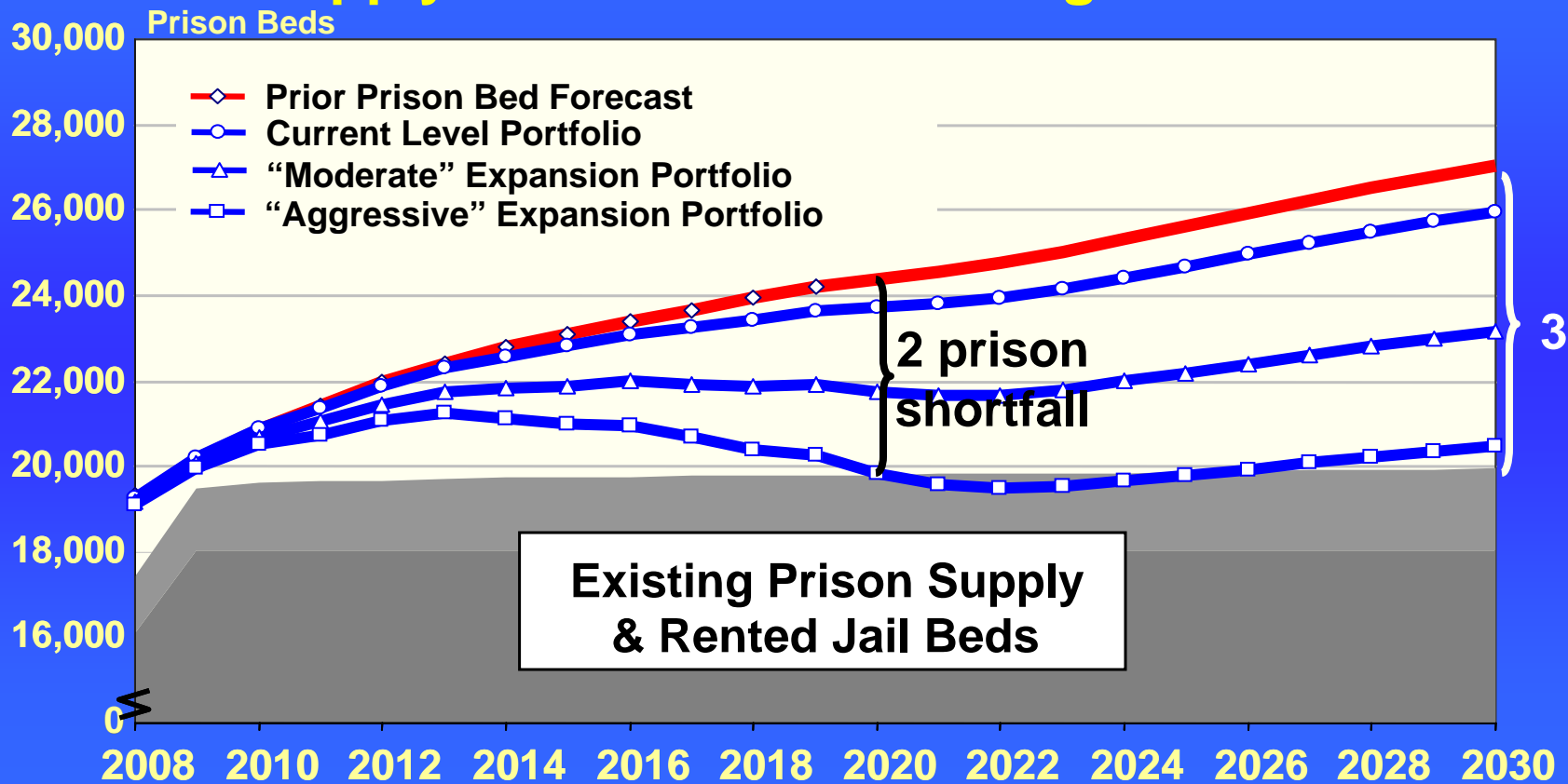
2. What Doesn't?

3. What Are the Benefits & Costs?

Exhibit 4					
Reducing Crime With Evidence-Based Options: What Works, and Benefits & Costs					
Washington State Institute for Public Policy Estimates as of October, 2006	Effect on Crime Outcomes Percent change in crime outcomes, & the number of evidence-based studies on which the estimate is based (in parentheses)	Benefits and Costs (Per Participant, Net Present Value, 2006 Dollars)			
		Benefits to Crime Victims (of the reduction in crime)	Benefits to Taxpayers (of the reduction in crime)	Costs (marginal program cost, compared to the cost of alternative)	Benefits (total) Minus Costs (per participant)
		(2)	(3)	(4)	(5)
Programs for People in the Adult Offender System					
Vocational education in prison	-9.0% (4)	\$8,114	\$6,806	\$1,182	\$11,738
Intensive supervision: treatment-oriented programs	-16.7% (11)	\$9,318	\$9,369	\$7,124	\$11,563
General education in prison (basic education or post-secondary)	-7.0% (17)	\$6,325	\$5,306	\$962	\$10,669
Cognitive-behavioral therapy in prison or community	-6.3% (25)	\$5,658	\$4,746	\$105	\$10,299
Drug treatment in community	-9.3% (6)	\$5,133	\$5,495	\$574	\$10,054
Correctional industries in prison	-5.9% (4)	\$5,360	\$4,496	\$417	\$9,439
Drug treatment in prison (therapeutic communities or outpatient)	-5.7% (20)	\$5,133	\$4,306	\$1,604	\$7,835
Adult drug courts	-8.0% (57)	\$4,395	\$4,705	\$4,333	\$4,767
Employment and job training in the community	-4.3% (16)	\$2,373	\$2,386	\$400	\$4,359
Electronic monitoring to offset jail time	0% (9)	\$0	\$0	-\$870	\$0
Sex offender treatment in prison with aftercare	-7.0% (6)	\$6,442	\$2,885	\$12,585	-\$3,258
Intensive supervision: surveillance-oriented programs	0% (23)	\$0	\$0	\$3,747	-\$3,747
Washington's Dangerously Mentally Ill Offender program	-20.0% (1)	\$18,020	\$15,116	n/e	n/e
Drug treatment in jail	-4.5% (9)	\$2,481	\$2,656	n/e	n/e
Adult boot camps	0% (22)	\$0	\$0	n/e	n/e
Domestic violence education/cognitive-behavioral treatment	0% (9)	\$0	\$0	n/e	n/e
Jail diversion for mentally ill offenders	0% (11)	\$0	\$0	n/e	n/e
Life Skills education programs for adults	0% (4)	\$0	\$0	n/e	n/e
Programs for Youth in the Juvenile Offender System					
Multidimensional Treatment Foster Care (v. regular group care)	-22.0% (3)	\$1,828	\$32,915	\$6,945	\$77,798
Adolescent Diversion Project (for lower risk offenders)	-19.9% (6)	\$24,328	\$18,208	\$1,913	\$40,623
Family Integrated Transitions	-13.0% (1)	\$30,708	\$19,502	\$9,665	\$40,545
Functional Family Therapy on probation	-15.9% (7)	\$19,529	\$14,617	\$2,325	\$31,821
Multisystemic Therapy	-10.5% (10)	\$12,855	\$9,622	\$4,264	\$18,213
Aggression Replacement Training	-7.3% (4)	\$9,897	\$6,659	\$897	\$14,660
Teen courts	-11.1% (5)	\$5,907	\$4,238	\$936	\$9,208
Juvenile boot camp to offset institution time	0% (14)	\$0	\$0	-\$8,077	\$8,077
Sex offender cognitive-behavioral treatment	-10.2% (5)	\$32,515	\$8,377	\$33,064	\$7,829
Restorative justice for low-risk offenders	-8.7% (21)	\$4,628	\$3,320	\$880	\$7,067
Interagency coordination programs	-2.5% (15)	\$3,084	\$2,308	\$205	\$5,186
Juvenile drug courts	-3.5% (15)	\$4,232	\$3,167	\$2,777	\$4,622
Regular surveillance-oriented parole (v. no parole supervision)	0% (2)	\$0	\$0	\$1,201	-\$1,201
Juvenile intensive probation supervision programs	0% (9)	\$0	\$0	\$1,598	-\$1,598
Juvenile wilderness challenge	0% (9)	\$0	\$0	\$3,085	-\$3,085
Juvenile intensive parole supervision	0% (10)	\$0	\$0	\$6,460	-\$6,460
Scared Straight	+6.8% (10)	-\$8,355	-\$6,253	\$58	-\$14,667
Counseling/psychotherapy for juvenile offenders	-18.9% (6)	\$23,126	\$17,309	n/e	n/e
Juvenile education programs	-17.5% (3)	\$41,181	\$26,153	n/e	n/e
Other family-based therapy programs	-12.2% (12)	\$15,006	\$11,231	n/e	n/e
Team Child	-10.9% (2)	\$5,759	\$4,131	n/e	n/e
Juvenile behavior modification	-8.2% (4)	\$19,271	\$12,238	n/e	n/e
Life skills education programs for juvenile offenders	-2.7% (3)	\$6,441	\$4,091	n/e	n/e
Diversion progs. with services (v. regular juvenile court)	-2.7% (20)	\$1,441	\$1,034	n/e	n/e
Juvenile cognitive-behavioral treatment	-2.5% (8)	\$3,123	\$2,337	n/e	n/e
Court supervision vs. simple release without services	0% (8)	\$0	\$0	n/e	n/e
Diversion programs with services (v. simple release)	0% (7)	\$0	\$0	n/e	n/e
Juvenile intensive probation (as alternative to incarceration)	0% (5)	\$0	\$0	n/e	n/e
Guided Group Interaction	0% (4)	\$0	\$0	n/e	n/e
Prevention Programs (crime reduction effects only)					
Nurse Family Partnership-Mothers	-56.2% (1)	\$11,531	\$8,161	\$5,409	\$14,283
Nurse Family Partnership-Children	-16.4% (1)	\$8,632	\$4,922	\$733	\$12,822
Pre-K education for low income 3 & 4 year olds	-14.2% (8)	\$8,145	\$4,644	\$593	\$12,196
Seattle Social Development Project	-18.6% (1)	\$1,605	\$4,341	n/e	n/e
High school graduation	-10.4% (1)	\$1,738	\$2,851	n/e	n/e
Guiding Good Choices	-9.1% (1)	\$570	\$2,092	n/e	n/e
Parent-Child Interaction Therapy	-3.7% (1)	\$268	\$784	n/e	n/e
Program types in need of additional research & development before we can conclude they do or do not reduce crime outcomes:					
Programs needing more research for people in the adult offender system			Comment		
Case management in the community for drug offenders	0% (13)			Findings are mixed for this broad grouping of programs.	
COSA (Faith-based supervision of sex offenders)	-22.3% (1)			Too few evaluations to date.	
Day fines (compared to standard probation)	0% (1)			Too few evaluations to date.	
Domestic violence courts	0% (2)			Too few evaluations to date.	
Faith-based programs	0% (5)			Too few evaluations to date.	
Intensive supervision of sex offenders in the community	0% (4)			Findings are mixed for this broad grouping of programs.	
Medical treatment of sex offenders	-21.4% (1)			Too few evaluations to date.	
Mixed treatment of sex offenders in the community	0% (2)			Too few evaluations to date.	
Regular parole supervision vs. no parole supervision	0% (1)			Too few evaluations to date.	
Restorative justice programs for lower risk adult offenders	0% (6)			Findings are mixed for this broad grouping of programs.	
Therapeutic community programs for mentally ill offenders	-20.8% (2)			Too few evaluations to date.	
Work release programs (from prison)	-4.3% (4)			Too few recent evaluations.	
Programs needing more research for youth in the juvenile offender system					
Dialectical Behavior Therapy	0% (1)			Too few evaluations to date.	
Increased drug testing (on parole) vs. minimal drug testing	0% (1)			Too few evaluations to date.	
Juvenile curfews	0% (1)			Too few evaluations to date.	
Juvenile day reporting	0% (2)			Too few evaluations to date.	
Juvenile jobs programs	0% (3)			Too few recent evaluations.	
Juvenile therapeutic communities	0% (1)			Too few evaluations to date.	
Mentoring in juvenile justice	0% (1)			Too few evaluations to date.	

Results for Three Example Portfolios of Evidence-Based Options

Prison Supply & Demand in Washington: 2008 to 2030



Taxpayer Summary Statistics

Annual cost of portfolio

Current Level

Moderate

Aggressive

\$41 million

\$63 million

\$85 million

Long-run net taxpayer benefits

\$1.1 billion

\$1.7 billion

\$2.4 billion

Benefit-to-cost ratio

\$2.45

\$2.55

\$2.60

Return on investment

24%

27%

28%

Crime Rate in 2020 (2005 rate = 52)

48

48

49