

effect size

an effect size is a statistic that measures the magnitude of a program's impact on a particular outcome

effect sizes can be benchmarked against those reported in other studies

aspirin on heart disease $d = .03$

class size reductions on math achievement $d = .23$

school-based substance abuse prevention programs on drug & alcohol use $d = .09$

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elementary school students

standardized test scores

significant gains in math scores over two years

Program Only vs. Low Supervision
- 12 percentiles

Program Plus vs. Low Supervision
- 20 percentiles

effect sizes for math gains

Program Only vs. Low Supervision
($d = .52$)

Program Plus vs. Low Supervision
($d = .73$)

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academic-related skills

significant gains in work habits and task persistence

Program Plus vs. Low Supervision

Gains in work habits ($d = .35$)

Gains in task persistence ($d = .30$)

Gains in grades ($d = .25$)

Program Only vs. Low Supervision

Gains in work habits ($d = .31$)

Gains in task persistence ($d = .23$)



middle school students

standardized test scores

significant gains in math scores over two years

Program Only vs. Low Supervision
- 12 percentiles

Program Plus vs. Low Supervision
- 12 percentiles

effect sizes for math gains

Program Only vs. Low Supervision
($d = .55$)

Program Plus vs. Low Supervision
($d = .57$)

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middles school students

behavioral outcomes

Program Plus vs. Low Supervision

reductions in misconduct ($d = .64$)

reductions in substance use ($d = .67$)

Program Only vs. Low Supervision

reductions in misconduct ($d = .55$)

reductions in substance use ($d = .47$)

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