

Daily Behavior Report Cards Pre-K to 12 Education

Literature review updated April 2018.

As part of WSIPP’s research approach to identifying evidence-based programs and policies, WSIPP determines “what works” (and what does not work) to improve outcomes using an approach called meta-analysis. For detail on our methods, see our [Technical Documentation](#). At this time, WSIPP has not yet calculated benefits and costs for this topic.

Program Description: Daily behavior report cards (DBRC) are a systematic method of communicating with parents about a student’s behavior in school. Typically, teachers identify students exhibiting behavior problems for participation. The report cards are sent home with the child or electronically, and the student must return the form the following morning with the parent’s signature. Behavioral reinforcements or consequences are delivered to students by parents or teachers and are selected based on the individual child. In this analysis, teachers issued electronic report cards to students in 3rd grade over a three-week period, and parents issued behavioral rewards or consequences.

Meta-Analysis of Program Effects

Outcomes measured	No. of effect sizes	Treatment N	Adjusted effect size and standard error			Unadjusted effect size (random effects model)	
			ES	SE	Age	ES	p-value
Externalizing behavior symptoms	1	31	-0.158	0.340	8	-0.685	0.049
Internalizing symptoms	1	31	-1.070	0.359	8	-1.070	0.003
Attention-deficit/hyperactivity disorder symptoms	1	31	-0.065	0.340	8	-0.284	0.405

Meta-analysis is a statistical method to combine the results from separate studies on a program, policy, or topic in order to estimate its effect on an outcome. WSIPP systematically evaluates all credible evaluations we can locate on each topic. The outcomes measured are the types of program impacts that were measured in the research literature (for example, crime or educational attainment). Treatment N represents the total number of individuals or units in the treatment group across the included studies.

An effect size (ES) is a standard metric that summarizes the degree to which a program or policy affects a measured outcome. If the effect size is positive, the outcome increases. If the effect size is negative, the outcome decreases.

Adjusted effect sizes are used to calculate the benefits from our benefit cost model. WSIPP may adjust effect sizes based on methodological characteristics of the study. For example, we may adjust effect sizes when a study has a weak research design or when the program developer is involved in the research. The magnitude of these adjustments varies depending on the topic area.

WSIPP may also adjust the second ES measurement. Research shows the magnitude of some effect sizes decrease over time. For those effect sizes, we estimate outcome-based adjustments which we apply between the first time ES is estimated and the second time ES is estimated. We also report the unadjusted effect size to show the effect sizes before any adjustments have been made. More details about these adjustments can be found in our [Technical Documentation](#).

Citations Used in the Meta-Analysis

Williams, K., Noell, G.H., Jones, B.A., & Gansle, K.A. (2012). Modifying students’ classroom behaviors using an Electronic Daily Behavior Report Card. *Children and Family Behavioral Therapy*, 34(4), 269-289.

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