WASHINGTON:

Active Recess Intervention



This brief provides a summary of the CHOICES Learning Collaborative Partnership simulation model in Washington of a potential Active Recess program in public elementary schools to increase students' physical activity levels during recess via installation of playground markings, provision of portable play equipment, and/or provision of structured activities.

The Issue

Over the past three decades, more and more people have developed obesity. Health care costs for treating obesity-related health conditions such as heart disease and diabetes range from \$147 billion to nearly \$210 billion per year. Emerging cost-effective prevention strategies directed at children show great promise for addressing this issue. Evidence shows that physical activity helps kids grew up at a healthy weight.

In Washington, 98% of schools serving elementary grades provide at least one daily recess.⁴ Recess is typically allocated in bouts of 10-15 minutes or more as isolated breaks and/or in association with lunch.^{5,6} Elementary school children generally spend more time in recess than physical education weekly.⁷ Schools often lack resources that encourage physical activity among children including supervision, play facilities, and equipment.^{8,9} On average, children spend less than 50% of recess engaged in moderate to vigorous physical activity.⁹

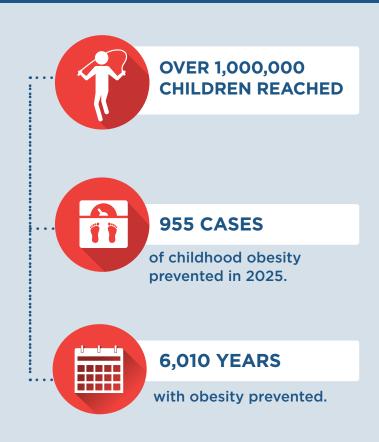
About Active Recess

Implementation of this voluntary school-level intervention would occur in public elementary schools in Washington that provide recess but not Active Recess strategies. It would include installation of playground markings, provision of portable play equipment, and/or provision of structured activities designed to increase students' activity levels during school recess time. Through grant proposals, school personnel and parent volunteers would support creation of playground markings for structured games for the children to be physically active (e.g., four square, hop-scotch) and each participating school would receive portable playground equipment to be used during recess time.

Comparing Costs and Outcomes

CHOICES cost-effectiveness analysis compared the costs and outcomes of Active Recess over 10 years (2015-2025) with costs and outcomes associated with not implementing the program. The approach assumes that 90% of children attend schools without an Active Recess program, and 100% of these schools adopt Active Recess practices where all students benefit.

Implementing Active Recess in Washington is an investment in the future. By the end of 2025:



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Conclusions and Implications

Every child deserves a healthy start in life. This includes ensuring that all kids have the same opportunities to be physically active during recess, no matter where they live or where they go to school. A state-level program in Washington to assist public elementary schools invest in equipment and resources to increase physical activity during recess may be a cost-effective strategy for reducing obesity at \$23.30 per child. This intervention would prevent 955 cases of childhood obesity in 2025 and provide the opportunity for over 1 million children to engage in active recess opportunities. There are also likely positive benefits from physical activity related to cognition and academic performance which are not quantified in this analysis, but may result in additional cost savings.^{10,11,12}

For every \$1.00 spent on implementing the Active Recess intervention, we would save \$0.10 in health care costs. These results reinforce the importance of investing in prevention efforts to reduce the prevalence of obesity. Shortchanging prevention efforts can lead to more costly and complicated treatment options in the future. Introducing small changes to school aged children can inform healthy habits that carry into adulthood.

Evidence is growing about how to help children achieve a healthy weight. Interventions such as Active Recess are laying the foundation for a healthier future by helping schools create environments that nurture healthy habits. Leaders at the federal, state, and local level should use the best available evidence to help children eat healthier diets and be more active.



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