

# The School Breakfast Program: *A Smart Investment for Student Success*

Too many children start their school day on an empty stomach. Whether they miss this vital meal simply due to a hectic morning schedule, or because there is not enough to eat at home, skipping breakfast comes at a high price for all students – research shows this habit negatively impacts academic performance.

Investing in school breakfast makes sense (and cents!). By contributing to improved student achievement and wellness, the federal School Breakfast Program (SBP) offers a worthy return on investment.

## **Research demonstrates that school breakfast consumption:**

- ✓ Boosts students' academic performance, grades and test scores
- ✓ Increases concentration, alertness, comprehension and memory
- ✓ Improves classroom behavior
- ✓ Reduces absenteeism and tardiness

## **School breakfast participation is also linked to:**

- ✓ A lower body mass index (BMI)
- ✓ Lower probability of being overweight or obese
- ✓ Improved diet quality



Federal nutrition standards ensure school breakfast offers nutritious choices including fruits, vegetables, whole grains, lean protein and low fat milk while meeting limits on calories, unhealthy fat and sodium.

*SBP serves 14.7 million students each school day in approximately 90,000 public and private schools nationwide.*



Learn more at  
[schoolnutrition.org](http://schoolnutrition.org)

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## Key Sources:

- Basch, C. E. (2011). Breakfast and the Achievement Gap Among Urban Minority Youth. *Journal of School Health*, 81 (10), 635-640.
- Basiotis, P. P., Lino, M., & Anand, R. S. (1999). Eating breakfast greatly improves school children's diet quality. *Nutrition Insight*, 15. Alexandria, VA: U.S. Department of Agriculture, Center for Nutrition Policy and Promotion.
- Bradley, B, Green, AC. Do Health and Education Agencies in the United States Share Responsibility for Academic Achievement and Health? A Review of 25 years of Evidence About the Relationship of Adolescents' Academic Achievement and Health Behaviors, *Journal of Adolescent Health*, 2013; 52(5):523–532.
- Brown, J. L., Beardslee, W. H., & Prothrow-Stith, D. (2008). Impact of School Breakfast on Children's Health and Learning. *Sodexo Foundation*.
- Frisvold, D. E. (2015). Nutrition and cognitive achievement: an evaluation of the School Breakfast Program. *Journal of Public Economics*, 124, 91–104.
- Gleason, P. M., & Dodd, A. H. (2009). School breakfast program but not school lunch program participation is associated with lower body mass index. *Journal of the American Dietetic Association*, 109(2 Supplement 1), S118-S128.
- Hanson, K. L., & Olson, C. M. (2013). School meals participation and weekday dietary quality were associated after controlling for weekend eating among U.S. school children aged 6 to 17 years. *Journal of Nutrition*, 143, 714-721.
- Kleinman, R. E., Hall, S., Green, H., Korzec-Ramirez, D., Patton, K., Pagano, M. E., & Murphy, J. M. (2002). Diet, breakfast, and academic performance in children. *Annals of Nutrition and Metabolism*, 46(Supplement 1), 24-30.
- Lien, L. (2006). Is breakfast consumption related to mental distress and academic performance in adolescents? *Public Health Nutrition*, 10(4), 422-428
- Millimet, D. L., & Tchernis, R. (2013). Estimation of treatment effects without an exclusion restriction: with an application to the analysis of the School Breakfast Program. *Journal of Applied Economics*, 28, 982-1017.
- Murphy, J. M. (2007). Breakfast and Learning: An Updated Review. *Journal of Current Nutrition and Food Science*, 3(1), 3-36
- Murphy, J. M., Pagano, M., Nachmani, J., Sperling, P., Kane, S., & Kleinman, R. (1998). The Relationship of School Breakfast to Psychosocial and Academic Functioning: Cross-sectional and longitudinal observations in an inner-city sample. *Archives of Pediatric and Adolescent Medicine*, 152, 899-907.
- Powell, C. A., Walker, S. P., Chang, S. M., & Grantham-McGregor, S. M. (1998). Nutrition and education: a randomized trial of the effects of breakfast in rural primary school children. *American Journal of Clinical Nutrition*, 68, 873-9.
- Taras, H. Nutrition and student performance at school. *Journal of School Health*, 2005;75(6):199–213.
- Wang, S., Schwartz, M. B., Shebi, F. M., Read, M., Henderson, K. E., & Ickovics, J. R. (2016). School breakfast and body mass index: a longitudinal observational study of middle school students. *Pediatric Obesity*, published online ahead of print.

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