

Healthy Kids. Successful Students. Stronger Communities.

Improving Academic Achievement through Healthy Eating and Physical Activity



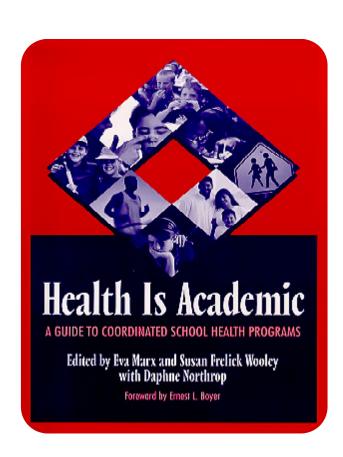


Objectives

- Describe the evidence supporting the link between healthy eating, physical activity, and improved academic achievement.
- Identify key messages and benefits of addressing healthy eating and physical activity in schools to improve academic achievement and motivate stakeholders to take action.
- Identify at least three actions that can be implemented by states, school districts, schools, parents, and/or students to support healthy eating and physical activity in schools and improve academic achievement.
- Identify at least two resources that can be used to explain the relationship between healthy eating, physical activity, and academic achievement.

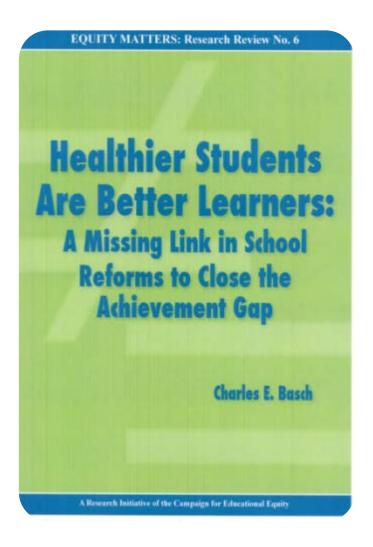


Health is Academic Because . . .



- Helping young people stay healthy is a fundamental part of the mission of our schools
- Health behaviors are associated with academic achievement
- School health programs can help improve students' academic achievement





"No matter how well teachers are prepared to teach, no matter what accountability measures are put in place, no matter what governing structures are established for schools, educational progress will be profoundly limited if students are not motivated and able to learn. Health related problems play a major role in limiting the motivation and ability to learn..."

~Charles Basch

http://www.equitycampaign.org/i/a/document/12557_equitymattersvol6_web03082010.pdf



Healthy Eating and Academic Achievement

Dietary Behavior/Issue	Related Academic Achievement Outcomes
Participation in the School Breakfast Program (SBP)	 Increased academic grades and standardized test scores Reduced absenteeism Improved cognitive performance
Skipping breakfast	Decreased cognitive performance
Lack of adequate consumption of specific foods	Lower grades
Deficits in specific nutrients	Lower gradesHigher rates of absenteeism and tardiness
Insufficient food intake	 Lower grades Higher rates of absenteeism Repeating a grade Inability to focus



Success in School is More Than Just Academics

Schools must also consider other factors that affect academic achievement:

Healthy Food Options



Opportunities To Be Physically Active

















EVIDENCE

Healthy Eating

> Academic Achievement

Physical Activity

MESSAGE

Know the Core Messages

AND

The Audience-Specific Messages

ACTION

Be Ready to Share with Key Stakeholders How They Can Take Action



KNOW THE EVIDENCE









Academic Achievement

Academic performance

- Class grades
- Standardized tests
- Graduation rates

Education behavior

- Attendance
- Drop out rates
- Behavioral problems at school

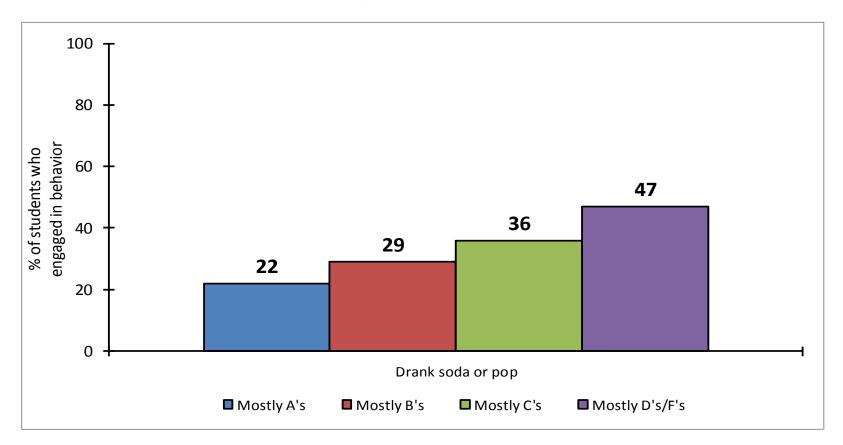
Students' cognitive skills and attitudes

- Concentration
- Memory
- Mood





Percentage of High School Students Who Drank a Can, Bottle, or Glass of Soda or Pop at Least One Time Per Day,* by Type of Grades Earned (Mostly A's, B's, C's or D's/F's), 2009**

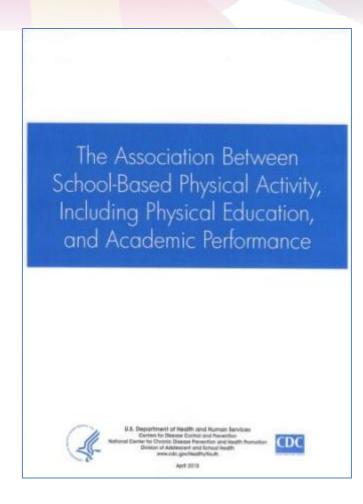


^{*}Drank a can, bottle, or glass of soda or pop (not including diet soda or diet pop) at least one time per day during the 7 days before the survey.

**p<.0001 after controlling for sex, race/ethnicity, and grade level.

United States, Youth Risk Behavior Survey, 2009, http://www.cdc.gov/healthyyouth/health_and_academics/data.htm





www.cdc.gov/HealthyYouth/health_ and_academics/pdf/pa-pe_paper.pdf

Physical Activity

- Physical education
- Recess
- Classroom-based
- Extracurricular

Results

- School-based physical activity can:
 - Help improve academic performance.
 - Have a positive impact on education behaviors and cognitive skills.

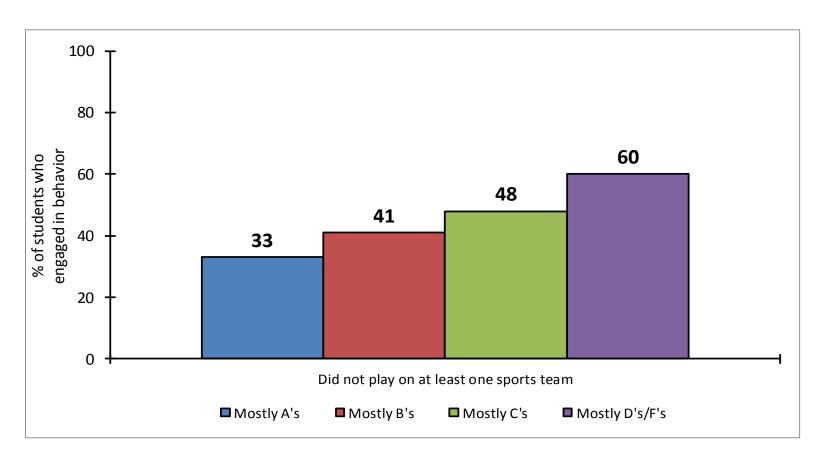


Physical Activity and Academic Achievement

Physical Activity Practice	Related Academic Achievement Outcomes
Students who are physically active	 Have better grades, better school attendance, and better classroom behaviors
Increased physical activity and physical fitness levels	Improved cognitive performance
Increased participation in physical education class	 Better grades, standardized test scores, and classroom behavior
Time spent in recess	 Improved cognitive performance and classroom behaviors
Participation in brief classroom physical activity breaks	 Improved cognitive performance, classroom behaviors, and education outcomes
Participation in extracurricular physical activities	 Higher GPAs, lower drop-out rates, and fewer disciplinary problems



Percentage of High School Students Who Did Not Play on at Least One Sports Team,* by Type of Grades Earned (Mostly A's, B's, C's or D's/F's), 2009**



^{*}Run by their school or community groups during the 12 months before the survey.

^{**}p<.0001 after controlling for sex, race/ethnicity, and grade level.



SHARE THE MESSAGE









Core Messages



- Healthy students are better learners
- Schools can influence eating and physical activity behaviors
- Healthy, successful students help build strong communities.
- All students deserve the opportunity to be healthy and successful



Audience-specific Messages

Audience	Benefits to the Audience
States	 Help reduce barriers to learning More likely to have higher levels of education Contributes to a better prepared workforce
School Districts	 Increased attendance rates Increased graduation rates Higher district-wide test scores and grades
Schools	 Meet educational goals Decreased rates of student absenteeism Fewer behavioral problems Higher school-wide test scores and grades
Parents	 Opportunities for your child to practice healthy behaviors Help your child become better learners
Students	 Feel better Increase their concentration Have better grades and test scores



Share the Message

- Consistently share the evidence, key messages, and benefits with key stakeholders
- Include this topic in professional development for district and school staff
- Ask parents to support and promote the healthy eating and physical activity as a way to improve academic achievement
- Use meaningful success stories that support healthy eating and physical activity as a way to improve academic achievement

Remember . . .

It is our responsibility to share the evidence and important link between healthy eating, physical activity, and improved academic achievement with state and local policy makers, state and local school boards, key community organizations, parents, and anyone else interested in equipping children to be healthy and successful in school.



TAKE ACTION









Who Can Take Action?







States

Schools Districts

Schools







Students



Take Action

- ✓ Establish an agenda to support health in schools
- Develop and implement key policies
- Provide appropriate guidance, technical assistance, and professional development
- Implement effective, high-quality programs and practices
- Ensure accountability



Examples of Actions

State

- Create a partnership between departments of health and education to support the connection between health and academic achievement
- Provide professional development and technical assistance to school districts and schools on healthy school nutrition environments and a comprehensive approach to physical activity in schools

School Districts

- Establish, implement, and monitor local school wellness policies
- Collect data on health and educational behaviors and outcomes to assess the benefits of school health policies and practices



Examples of Actions

Schools

- Establish a school health advisory council or wellness committee
- Provide healthy food
- Provide physical education programs

Parents

- Be involved in school health activities at your child's school
- Ask the school to provide educational opportunities for you to help increase access to healthy eating and physical activity in your child's school

Students

- Participate on state, district, and/or school health advisory councils or other health-related committees
- Lead activities in your school that promote eating healthy and being physically active



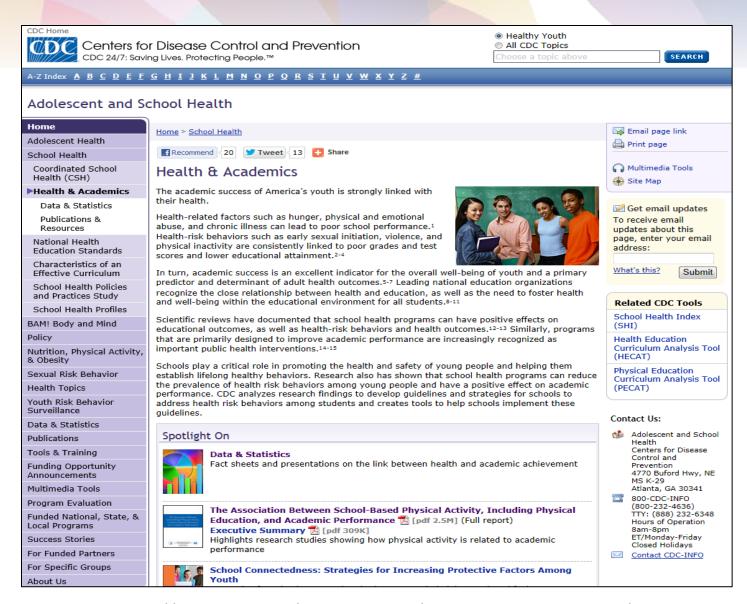
USE THE RESOURCES







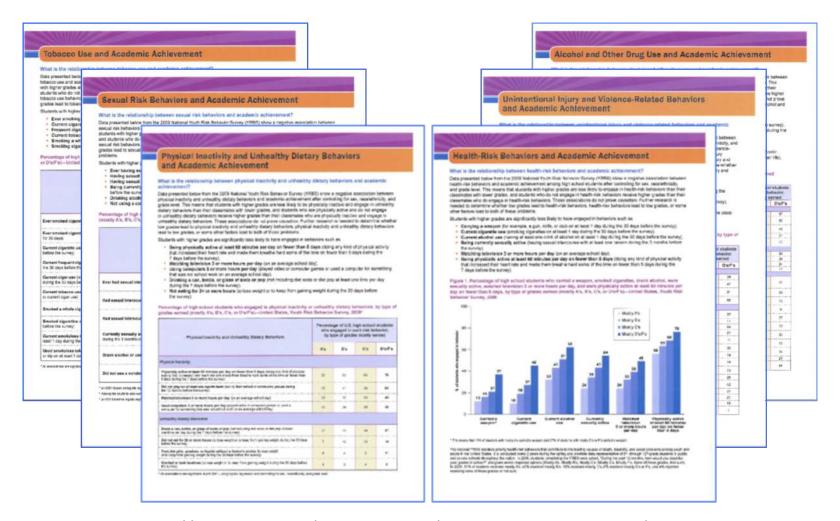




http://www.cdc.gov/HealthyYouth/health_and_academics/



Health-Risk Behaviors and Academic Grades Fact Sheets



http://www.cdc.gov/healthyyouth/health_and_academics/data.htm



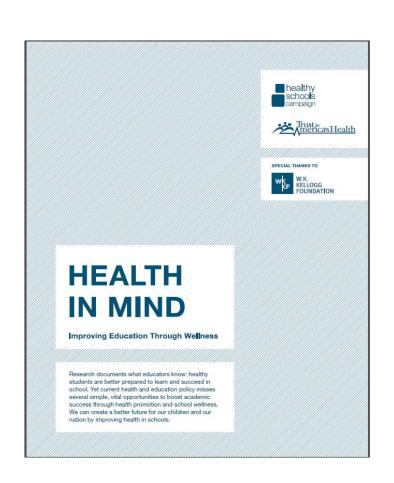
New CDC Health and Academic Resources



- Health and Academic Achievement overview document
- Presentation slides with notes
- Podcast for health and academics
 - Nutrition
 - Physical activity
 - Chronic conditions



Health in Mind

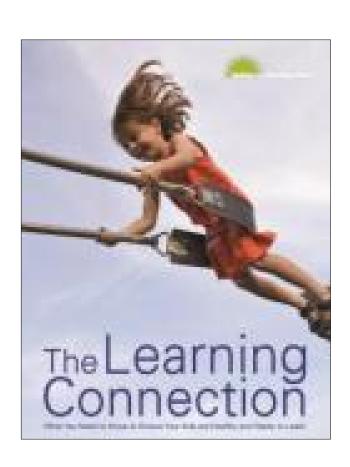


- Focuses on several initiatives and policies that can benefit the health and well-being of students
- Provides strategies that federal agencies can support to create the conditions for health and learning in our nation's schools
- Provides recommendations that can be addressed at the state, district, and school levels

http://www.nasmhpd.org/docs/PreventionResources/Health_in_Mind_Report.pdf



The Learning Connection

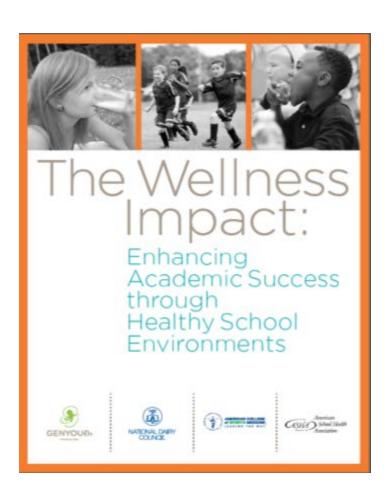


- Demonstrates that physical activity supports academic achievement, well-nourished kids learn better and that healthier practices in schools can increase school revenue
- Provides a roadmap for parents, educators, school administrators and school volunteers to create healthier school environments

http://www.actionforhealthykids.org/storage/documents/pdfs/afhk_thelearningconnection_digitaledition.pdf.



The Wellness Impact



- Highlights that improved nutrition and physical activity can help lead to better academic performance
- Serves as a launch pad to ignite the conversation about how all sectors of society can work together to create an environment for children to reach their full potential.

http://www.nationaldairycouncil.org/ChildNutrition/Pages/The-Wellness-Impact-Healthy-Eating-and-Physical-Activity-Helps-Improve-Academic-Performance.aspx



THANK YOU!









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WEB INFORMATION www.cdc.gov/healthyyouth www.cdc.gov/BAM