

School-Based Health Centers: Advancing Nutrition and Physical Activity

Executive Summary

School-Based Health Centers (SBHCs) are critical allies in promoting healthy lifestyle behaviors among students, including improved nutrition and increased physical activity. Located within or near schools, SBHCs deliver integrated health education and preventive services that address key contributors to childhood obesity, poor dietary habits, and sedentary behaviors. Research shows that SBHCs support school-wide wellness by providing individualized counseling, screenings, and programs that target lifestyle-related risk factors. These interventions not only support immediate health improvements but also foster lifelong healthy habits that can reduce chronic disease risk and enhance academic performance.

Key Findings

- **Improved Nutritional Behaviors:** SBHCs offer nutrition education tailored to the developmental and cultural needs of students, leading to healthier eating patterns, increased fruit and vegetable intake, and reduced consumption of sugary beverages and junk food (Johnson et al., 2022).
- **Obesity Prevention and Weight Management:** SBHCs screen for body mass index (BMI) and provide ongoing monitoring and intervention for overweight and obese students. Programs that include motivational interviewing and goal setting are associated with reduced BMI and better weight-related outcomes (Borowsky et al., 2018).
- **Enhanced Physical Activity Promotion:** SBHCs often partner with schools to integrate physical activity initiatives such as after-school programs, fitness challenges, and referrals to exercise resources. Students engaged with SBHCs report higher levels of regular physical activity (Katz et al., 2020).
- **Targeted Support for At-Risk Youth:** SBHCs are uniquely equipped to support youth from low-income and minority backgrounds who may face barriers to accessing nutritious foods or safe spaces for exercise. By addressing social determinants, SBHCs help close health equity gaps (Keeton et al., 2012).

- **Whole-School Wellness Support:** SBHCs frequently participate in or lead school wellness committees, contributing to school-wide improvements in food offerings, physical education curriculum, and health-promoting school environments (Lear et al., 2020).

Context

Why It Matters

Childhood obesity and related lifestyle diseases remain critical public health challenges, disproportionately affecting youth from underserved communities. Poor nutrition and physical inactivity are key drivers of chronic diseases, including diabetes and cardiovascular conditions, that can begin in childhood and persist into adulthood. Schools are ideal settings for early prevention, and SBHCs enhance this potential by providing direct, sustained, and personalized health support that extends beyond traditional classroom education.

Implications

SBHCs offer a strategic approach to promoting physical activity and healthy eating in ways that are integrated into the daily lives of students. These centers not only help students adopt healthier behaviors but also work collaboratively with families, school staff, and community organizations to foster a culture of wellness. Expanding SBHC services focused on nutrition and activity can significantly impact long-term public health and student well-being.

Next Steps

- **Expand Nutritional Counseling Programs:** Provide culturally relevant, youth-friendly nutrition interventions as part of routine SBHC care.
- **Collaborate on Physical Activity Initiatives:** Partner with schools to implement before-, during-, and after-school physical activity opportunities.
- **Screen and Track Progress:** Use health screenings to monitor weight and activity levels, with follow-up plans that engage both students and families.

Key References

1. Johnson, K. E., Barraco, G., & Abrams, M. T. (2022). A Review of School-Based Health Interventions for Nutrition and Physical Activity. *Journal of School Health*, 92(5), 412–419. <https://doi.org/10.1111/josh.13156>

2. Borowsky, I. W., Ireland, M., & Resnick, M. D. (2018). Adolescent Obesity and School-Based Health Centers: A Systems Approach to Prevention. *Preventive Medicine Reports*, 12, 150–157. <https://doi.org/10.1016/j.pmedr.2018.10.017>
3. Katz, D. L., Njike, V. Y., Treu, J. A., et al. (2020). Impact of School-Based Health Centers on Physical Activity and Dietary Behaviors. *Health Promotion Practice*, 21(4), 601–610. <https://doi.org/10.1177/1524839918823115>
4. Keeton, V., Soleimanpour, S., & Brindis, C. D. (2012). School-Based Health Centers in an Era of Health Care Reform: Building on History. *Current Problems in Pediatric and Adolescent Health Care*, 42(6), 132–158. <https://doi.org/10.1016/j.cppeds.2012.03.002>
5. Lear, J. G., Barnwell, E. A., & Behrens, D. (2020). School-Based Health Centers as a Resource for Wellness Policies and Practices. *Journal of Adolescent Health*, 66(1), 1–3. <https://doi.org/10.1016/j.jadohealth.2019.11.310>