

Lifestyle and Dietary Habits of Adolescents

“Health Impact of the Lifestyle and Dietary Habits in Adolescents – A comprehensive Literature Search”

Abstract:

Introduction:

Adolescence is a pivotal phase in human development, encompassing significant transformations in physical growth, cognitive development, and the formation of lifelong habits. This phase is marked by the emergence of identity, growing independence, and the ability to make choices that can have a lasting impact on an individual's health and well-being. This paper aims to provide a comprehensive overview of the lifestyle and dietary habits of adolescents and the profound effects of these habits on their health.

Methods:

Literature Review:

A comprehensive review of existing literature and research on adolescent lifestyle and dietary habits was conducted. This review included a thorough examination of studies from academic journals, reports from government health agencies, and other relevant sources.

Data Selection and Synthesis:

Relevant data pertaining to nutrition, physical activity, sleep patterns, and peer/media influence was systematically selected and synthesized to form the foundation of this review. This data was carefully curated to provide a well-rounded view of the subject.

Categorization and Analysis:

The synthesized data was categorized into key thematic areas, such as nutrition, meal patterns, fast food consumption, physical activity levels, sleep patterns, and the influence of peers and media. These categories formed the basis for the content presented in this manuscript.

Critical Evaluation and Synthesis:

The reviewed data underwent critical evaluation to identify recurring patterns, emerging trends, and key findings. The synthesis of this information aimed to provide a holistic understanding of adolescent lifestyle and dietary habits.

Ethical Considerations:

Throughout the review process, ethical guidelines were strictly adhered to, ensuring that all sources and data were appropriately cited and credited, maintaining the integrity of the research.

Results:

Adolescents often make suboptimal choices in their lifestyle and dietary habits, which can have immediate and long-term implications for their health. This includes an increased risk of chronic diseases, such as obesity, diabetes, and cardiovascular issues. The need for comprehensive interventions and educational programs designed to promote healthier choices among adolescents is underscored.

Discussion:

Poor dietary choices, including skipping meals and a preference for fast food, are concerning trends observed among adolescents. Comprehensive nutrition education programs and multifaceted efforts involving schools, parents, and healthcare providers are essential to address these challenges effectively. Furthermore, the decline in physical activity and shifting sleep patterns among adolescents must be addressed through collaborative endeavors. Educational programs that emphasize critical thinking skills and emotional intelligence can empower adolescents to make informed decisions regarding their lifestyle and dietary choices.

Conclusion:

Adolescence is a critical period in the formation of lifelong lifestyle and dietary habits. Understanding the challenges that adolescents face in making healthy choices is essential for promoting overall well-being. Effective interventions and education programs can empower adolescents to make informed decisions regarding their nutrition, physical activity, sleep, and social influences. By doing so, we can mitigate the adverse effects of suboptimal habits on their immediate and long-term health, leading them toward a future characterized by well-being and vitality.

Keywords: Adolescence, lifestyle habits, dietary habits, health and well-being, nutrition, physical activity, sleep patterns, peer influence, media influence, chronic diseases, obesity, diabetes, cardiovascular diseases, comprehensive interventions, educational programs, critical thinking, emotional intelligence.

Introduction:

Adolescence is a transformative period marked by profound biological, psychological, and social changes. This transitional phase, sandwiched between childhood and adulthood, signifies a time when individuals begin to assert their independence, make lifestyle choices, and cultivate habits that can have enduring consequences. It is a critical juncture in human development, characterized by rapid physical growth, cognitive shifts, and the emergence of identity and independence. These changes lay the foundation for behaviors that will persist throughout an individual's life. The domain of lifestyle and dietary habits stands as one of the most significantly influenced aspects of an adolescent's life. In return, it substantially shapes the course of adolescence. The choices made during these formative years wield the power to mold an individual's health and well-being throughout their lifetime. Thus, understanding the dynamics of lifestyle and dietary habits during this phase is of paramount importance. Adolescents find themselves navigating the labyrinthine pathways of self-discovery, peer interactions, and the ever-expanding reach of external influences, such as media and societal norms. These factors exert a profound influence on their lifestyle and dietary preferences, with consequences that reverberate through their present and future health. Therefore, comprehending the intricacies of lifestyle and dietary habits during this phase is essential.^{1,2,3} [\(Some more text-book reference\(s\) to be cited\)](#)

This manuscript embarks on an extensive exploration of the multifaceted landscape of adolescent lifestyle and dietary habits. Our examination delves beyond the behaviors themselves, scrutinizing the underlying factors that contribute to the development and consolidation of these habits. Our study covers a spectrum of critical aspects, encompassing dietary choices, physical activity, sleep patterns, and the pervasive influence of peers and media. The significance of this investigation is underscored by the growing concern surrounding the health of adolescents in contemporary society. While adolescence has always been a time of change and experimentation,

the modern era presents unique challenges. The widespread availability of fast food, the prevalence of sedentary lifestyles, and the unprecedented exposure to digital media raise pressing questions about how these trends affect the well-being of today's adolescents. Furthermore, the choices made during adolescence carry far-reaching implications. The dietary habits formed during this period may predispose individuals to chronic conditions such as obesity, diabetes, and cardiovascular diseases. Similarly, sedentary lifestyles and inadequate sleep can impact cognitive development, academic performance, and mental health. As we delve into this subject, it becomes evident that understanding the intricate interplay between adolescent lifestyle and dietary habits and their effects on health is not a mere academic exercise. It is an imperative endeavor. To address the mounting rates of lifestyle-related health issues among adolescents, we must unravel the intricate web of factors influencing their choices and well-being. In the pages that follow, we embark on an in-depth exploration of nutrition, dissection of physical activity patterns, investigation into the mysteries of sleep, and critical analysis of the role of peers and media in shaping the lives of adolescents. By doing so, we aspire to contribute to the ever-evolving body of knowledge necessary for creating effective interventions and educational programs. These initiatives empower adolescents to make informed choices, safeguard their health, and embark on a path toward a future characterized by well-being and vitality.^{4,5,6,7} (Some more reports/proceedings from CDC or FDA elsewhere should be cited)

Methodology:

Literature Review:

A comprehensive review of existing literature and research on adolescent lifestyle and dietary habits was conducted. This included studies from academic journals, government health agencies, and other relevant sources. (and text-book(s), CDC and FDA reports and proceedings)

Data Selection and Synthesis:

Pertinent data related to nutrition, physical activity, sleep patterns, and peer/media influence was systematically selected (, compiled) and synthesized to form the basis for this review.

Categorization and Analysis:

The data was categorized into key thematic areas such as nutrition, meal patterns, fast food, physical activity, sleep patterns, and peer/media influence. These categories served as the foundation for the content presented in this (review) manuscript.

Critical Evaluation and Synthesis:

The reviewed data was critically evaluated to identify patterns, trends, and key findings. The synthesis (Compilation) of information aimed to provide a holistic view of adolescent lifestyle and dietary habits.

Ethical Considerations:

The review process adhered to ethical guidelines, (References) ensuring that all sources and data were appropriately cited and credited.

Results:

The findings of this investigation reveal a disconcerting trend among adolescents, characterized by suboptimal choices in their lifestyle and dietary habits. These choices, while seemingly inconsequential, carry both immediate and enduring implications for their health, potentially subjecting them to an elevated risk of chronic diseases. Adolescents frequently opt for dietary choices that prioritize convenience over nutrition, gravitating towards fast food and processed options. These dietary preferences often translate into inadequate consumption of essential nutrients, contributing to imbalances in their nutritional intake. Such imbalances can lead to immediate health issues and, more worryingly, set the stage for long-term consequences, including a heightened susceptibility to chronic diseases such as obesity, diabetes, and cardiovascular disorders.⁸

The significance of these findings cannot be overstated. The prevalence of suboptimal lifestyle and dietary habits among adolescents underscores the urgent need for comprehensive interventions and educational programs. These initiatives must be strategically designed to promote healthier choices among adolescents.⁹

Educational programs should focus on increasing awareness about the importance of balanced nutrition and the risks associated with excessive consumption of fast food and sugary beverages.

These programs should also provide practical guidance on meal planning, cooking skills, and the selection of healthier alternatives. Additionally, interventions should extend beyond dietary choices. They should encompass strategies to encourage regular physical activity and address the challenges related to sedentary lifestyles. Promoting good sleep hygiene and managing stress is equally vital, as poor sleep patterns and elevated stress levels can negatively impact adolescents' overall health and well-being. Collaboration among schools, parents, healthcare providers, and communities is paramount in implementing these interventions effectively. Schools can integrate nutrition education into their curricula, fostering an environment where making informed dietary choices becomes the norm. Parents play a pivotal role in modeling healthy behaviors and providing access to nutritious foods at home. Healthcare providers can offer guidance and support for adolescents and their families in making positive health-related choices.^{10,11}

Discussion:

The findings of this study shed light on several concerning trends in the lifestyle and dietary habits of adolescents, including poor dietary choices, meal skipping, and a strong inclination toward fast food consumption. These trends underscore the critical need for comprehensive interventions and educational programs to address the multifaceted challenges faced by adolescents in today's society.¹² (Some more references to be mentioned together)

1. Poor Dietary Choices and Fast-Food Consumption:

Adolescents, as highlighted by the research, frequently make suboptimal dietary choices. The prevalence of fast food and processed options in their diets often means that nutrition takes a back seat. This not only leads to immediate health issues but also raises concerns about the long-term implications, including a heightened risk of chronic diseases. The proclivity for fast food underscores the need for a concerted effort to reorient their dietary preferences.¹³ (Some more references to be mentioned together)

2. Comprehensive Nutrition Education Programs:

One key solution is the implementation of comprehensive nutrition education programs. These programs should not only inform adolescents about the importance of balanced nutrition but also

equip them with practical skills for making healthier food choices. Education that emphasizes the value of fresh, whole foods and minimizes the consumption of processed and sugary foods is essential. Nutrition education should be incorporated into school curricula, making it an integral part of their learning experience.¹⁴ (Some more references to be mentioned together)

3. Involvement of Schools, Parents, and Healthcare Providers:

Efforts to address these challenges must be multifaceted and involve various stakeholders. Schools can play a central role by providing an environment that promotes healthy eating and physical activity. Parents, as primary influencers in adolescents' lives, should model and encourage positive behaviors. Ensuring access to nutritious foods at home is equally important. Healthcare providers can offer guidance, support, and regular check-ups, monitoring adolescents' health and providing timely interventions.¹⁵ (Some more references to be mentioned together)

4. Decline in Physical Activity and Changing Sleep Patterns:

Beyond dietary concerns, the decline in physical activity levels and changing sleep patterns are equally worrisome. Sedentary behaviors, often associated with increased screen time and reduced outdoor activities, need to be addressed. Encouraging regular exercise and limiting screen time is essential. Similarly, the shifting sleep patterns among adolescents, including delayed bedtimes and inadequate sleep duration, can negatively impact their overall health. Strategies to improve sleep hygiene and ensure adequate rest should be a part of the intervention efforts.^{16,17} (Some more references to be mentioned together)

5. Enhancing Critical Thinking and Emotional Intelligence:

Moreover, educational programs should extend beyond providing information and skills. Adolescents need guidance in enhancing critical thinking skills and emotional intelligence to empower them to make informed decisions. These skills can help them navigate peer pressure and media influences, enabling them to resist unhealthy temptations and make choices that align with their long-term well-being.^{18,19,20,21}

Conclusion:

Adolescence is a crucial period during which lifelong lifestyle and dietary habits are formed. Understanding the challenges that adolescents face in making healthy choices and addressing

these challenges is vital for promoting overall well-being. Effective interventions and education programs can help adolescents make informed decisions about their nutrition, physical activity, sleep, and social influences. By doing so, we can reduce the detrimental impact of suboptimal habits on their immediate and long-term health, fostering a future of well-being and vitality.

References

1. Story M, Neumark-Sztainer D, French S. Individual and environmental influences on adolescent eating behaviors. *J Am Dietetic Assoc.* 2002;102: S40–51.
2. Rolland-Cachera MF, Bellsile F, Deheeger M. Nutritional status and food intake in adolescents living in Western Europe. *Eur J Clin Nutr.* 2000;54: S41–6.
3. Bin Zaal AA, Musaiger AO, D'Souza R. Dietary habits associated with obesity among adolescents in Dubai, United Arab Emirates. *Nutr Hosp.* 2009; 24:437–44.
4. El-Hazmi MAF, Warsy AS. Association of hypertension and non-insulin-dependent diabetes mellitus in the Saudi population. *Ann Saudi Med.* 2001; 21:5–8.
5. Musaiger AO, Gregory WB. Dietary habits of school-children in Bahrain. *J Royal Soc Health.* 1992; 112:159–62.
6. Smith KJ, Gall SL, McNaughton SA, Bizzard L, Dwyer T, Venn AJ. Skipping breakfast: longitudinal associations with cardiometabolic risk factors in the Childhood Determinants of Adult Health Study. *Am J Clin Nutr.* 2010;92:1316–25.
7. Sjoberg A, Hallberg L, Hoglund D, Hulthen L. Meal pattern, food choice, nutrient intake and lifestyle factors in the Goteborg Adolescence Study. *Eur J Clin Nutr.* 2003;57:1569–78.
8. Krebs-Smith SM, Cook DA, Subar AF, Cleveland L, Friday J, Kahle LL. Fruit and vegetable intakes of children and adolescents in the United States. *Arch Pediatr Adolesc Med.* 1996;150:81–6.
9. Al-Mulla D, Al-Najdi F, Al-Aazmi M, Al-Serri M, Badoo M, Othman R, et al. Knowledge and practices related to obesity among university students in Kuwait; Paper presented at the 10th International Congress on Obesity, Sydney, Australia, 3-8 September 2006.

10. Hardy LL, Baur LA, Garnett SP, Crawford D, Campbell KJ, Shrewsbury VA, et al. Family and home correlates of television viewing in 12–13 year old adolescents: The Nepean Study. *Int J Behav Nutr Phys Activity*. 2006;3:24.
11. Ramic E, Kapidzic-Durakovic S, Karic E, Batic-Mujanoric O, Alibasic E, Zildzic M. Influence of lifestyle on overweight and obesity in school-age children. *Med Arh*. 2009;63:280–3.
12. Henry CJK, Lightowler HJ, Al-Hourani HM. Physical activity and level of inactivity in adolescent females aged 11–16 years in the United Arab Emirates. *Am J Hum Biol*. 2004;16:346–53.
13. Musaiger AO. Diet and prevention of coronary heart disease in the Arab Middle East Countries. *Med Princ Pract*. 2002;11:9–16.
14. Nishiura H., Linton N.M., Akhmetzhanov A.R. Initial Cluster of Novel Coronavirus (2019-nCoV) Infections in Wuhan, China Is Consistent with Substantial Human-to-Human Transmission. *J. Clin. Med*. 2020;9:488. doi: 10.3390/jcm9020488.
15. Cucinotta D., Vanelli M. WHO declares COVID-19 a pandemic. *Acta Biomed*. 2020;91:157–160.
16. Rundle A.G. COVID-19—Related School Closings and Risk of Weight Gain Among Children. *Obesity*. 2020;28:1008–1009. doi: 10.1002/oby.22813.
17. Husain W., Ashkanani F. Does COVID-19 change dietary habits and lifestyle behaviours in Kuwait: A community-based cross-sectional study. *Environ. Health Prev. Med*. 2020;25:61. doi: 10.1186/s12199-020-00901-5.
18. Franckle R., Adler R., Davison K. Accelerated weight gain among children during summer versus school year and related racial/ethnic disparities: A systematic review. *Prev. Chronic Dis*. 2014;11:E101. doi: 10.5888/pcd11.130355.
19. Brizi A., Biraglia A. “Do I have enough food?” How need for cognitive closure and gender impact stockpiling and food waste during the COVID-19 pandemic: A cross-national study in India and the United States of America. *Pers. Individ. Dif*. 2021;168:110396. doi: 10.1016/j.paid.2020.110396.
20. Farrow C.V., Blissett J. Controlling feeding practices: Cause or consequence of early child weight? *Pediatrics*. 2008;121:e164–e169. doi: 10.1542/peds.2006-3437.

21. Von Hippel P.T., Workman J. From Kindergarten through Second Grade, U.S. Children's Obesity Prevalence Grows Only During Summer Vacations. *Obesity*. 2016;24:2296–2300. doi: 10.1002/oby.21613.

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