

Review of: "Consumption of Beverage among Secondary and Intermediate Students in Riyadh Schools, Saudi Arabia: A Cross-Sectional Study"

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Potential competing interests: No potential competing interests to declare.

Title: **"Beverage Consumption Patterns among Intermediate and Secondary Students in Riyadh Schools, Saudi Arabia: A Cross-Sectional Study"**

Article Review:

This cross-sectional study investigates the beverage consumption habits of school children aged 12-18 years in Riyadh, Saudi Arabia, with a focus on their hydration practices in the context of the region's hot and humid climate. The study employs a sound methodology, utilizing an online self-administered questionnaire and a stratified sampling technique to gather data from a diverse group of adolescents. The findings are summarized effectively in the paper.

Strengths:

1. **Relevance:** The study addresses an important issue related to hydration and beverage consumption in a specific demographic group and geographic region known for its challenging climate.
2. **Methodology:** The use of an online self-administered questionnaire is an efficient way to collect data from a large and diverse sample. The random stratification technique for school selection adds rigor to the study design.
3. **Clear Presentation:** The paper is well-structured and presents key findings in a concise manner, making it easy for readers to grasp the study's objectives and results.

Suggestions for Revision:

1. **Clarify Age Groups:** Provide additional context about the specific grade levels or school types that correspond to the age groups (12-13 years and 14-18 years). This clarification will help readers understand the composition of the study's participants.
2. **Contextualize WHO Recommendations:** Briefly explain the World Health Organization's (WHO) recommendations for daily beverage consumption to help readers who may not be familiar with these guidelines. This context will underscore the significance of the study's findings.
3. **Discuss Implications:** Include a brief section in the abstract that discusses the potential implications of the study's findings. For example, mention the health consequences of inadequate hydration among adolescents, such as impacts on cognitive function or physical performance.

4. **Interpret Statistical Significance:** When presenting p-values, provide a concise interpretation of their significance. Explain what statistically significant findings mean for the study and its implications. For example, if a p-value is less than 0.05, indicate that the finding is statistically significant, signifying a meaningful difference.
5. **Consistent Formatting:** Ensure consistent formatting of statistical results, such as the use of "<" or "≥" symbols for indicating significance levels throughout the abstract.

By addressing these points, the manuscript can provide a clearer and more comprehensive overview of the study's objectives, findings, and their implications. These revisions will enhance the abstract's suitability for publication