Reviewer’s report

Title: Fluoride exposure and sleep patterns among older adolescents in the United States: A cross sectional study of NHANES 2015-2016

Version: 0 Date: 30 Sep 2019

Reviewer: Mara Tellez-Rojo

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Fluoride exposure and sleep patterns among older adolescents in the United States: A cross-sectional study of NHANES 2015-2016
This is a very interesting and timely population based study that analyzed the relationship between fluoride content in tap water and in plasma with sleep patterns and daytime sleepiness based on a subsample of participants of NHANES 2015-2016.

This is a novel and well supported study that was carefully analyzed and well written. I only have to comments

Along the paper, there is a tendency to interpret p-values in a drastic dichotomous way: p<0.05 results are interpreted as significant and p>0.05, as non-significant. I recommend reading the following paper and make a broader interpretation of p-values:

The authors present results on fluoride in water and they mentioned that results with plasma fluoride were non-significant, but they didn't present them at all. I think that the authors should comment about those results. How big was the p-value to interpret it as non-significant? How about the point estimates that summarize the direction of the association?

Level of interest
Please indicate how interesting you found the manuscript:

An article of importance in its field

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable
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