

Review of: "What substances are adolescents vaping? Estimating nicotine-specific and marijuana-specific vaping from US national youth surveys"

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Potential competing interests: No potential competing interests to declare.

1. At the fifth line in Introduction section, please add "use" to "adolescent e-cigarette".
2. At the line 4 from the bottom at page 2, "thus simultaneously overestimating nicotine vaping and underestimating marijuana vaping" may not be true. The question was used to track e-cigarette use instead of marijuana vaping. In addition, at NYTS, there were several questions which did separately tracked marijuana vaping.
3. At sample section at page 3, "MTF is an annual survey on tobacco use and tobacco-related indicators collected from a nationally representative survey of middle and high school students (grades 6-12) in all 50 US states." Is it NYTS instead of MTF?
4. The study sample for MTF included all participants. Why did the study restrict the study sample to current e-cigarette user only from NYTS? Table 2 reported "Proportion of past 30-day vapers who report that their vaping products contained any nicotine and/or any marijuana, National Youth Tobacco Survey 2021". It didn't make sense. If the study sample was limited to current e-cigarette user only from NYTS, how to get "Marijuana use was reported by 45.7% (MTF) and 42.5% (NYTS) of past-30-day vapers"? So, it should be reported by current e-cigarette users only.
5. At measure section, former and current smokers were defined but not never smoker for MTF data.
6. At table 1, Gray cells: N<50; may be unreliable. The estimates among these cells should be compressed.
7. The study imitation didn't mention MTF data collection stopped prematurely in 2020 and its impact on findings. In addition, data of MTY 2020 was the results before COVID-19 pandemic while those with NYTS 2021 was in the pandemic. So, was comparison between MTF 2020 and NYTS 2021 feasible?