A States with recreational marijuana have lower rates of e-cigarette/vaping associated lung injury (EVALI)

B Prevalence of e-cigarette use is similar across states with different marijuana policies.

State marijuana policy
- Medicial — Medical
- Prohibition
- Recreational

Average case rate by state marijuana policy

Recreational (N = 7)
Prohibition (N = 18)
Medicial (N = 26)

6.4**
8.8 − 1.7 = 7.1***
0.7

Cases per million population

Average e-cig use by state marijuana policy

Recreational (N = 7)
Prohibition (N = 18)
Medicial (N = 26)

0.4
0.3
0.7

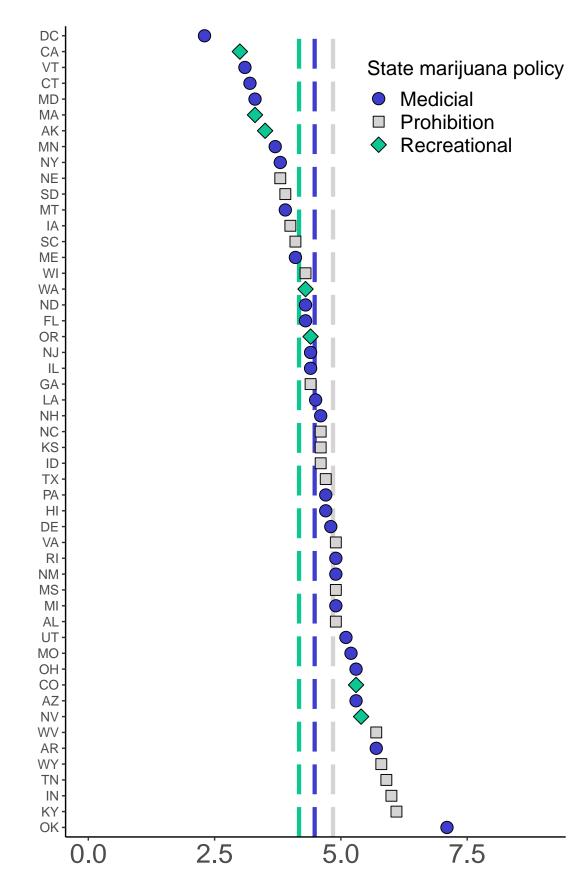Prevalence of e-cigarette use (0−100%)

Note: * p < 0.05, ** p < 0.01, *** p < 0.001. We consider a state to be a recreational marijuana state if it had at least one recreational dispensary open in January 2019. Results are robust to considering any state with an effective recreational marijuana law as of 2019 (AK, CA, CO, DC, ME, MA, MI, NV, OR, VT, WA) to be a recreational state. Bars in top panel reflect range of EVALI cases per million. Brackets in the bottom panel display 95% confidence interval of each group mean.
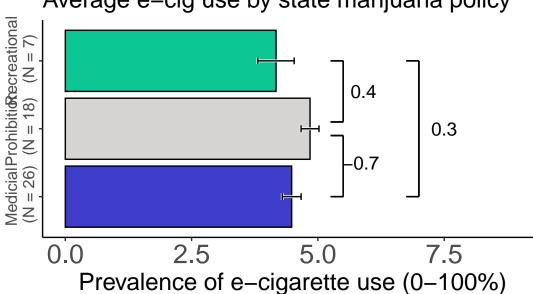
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