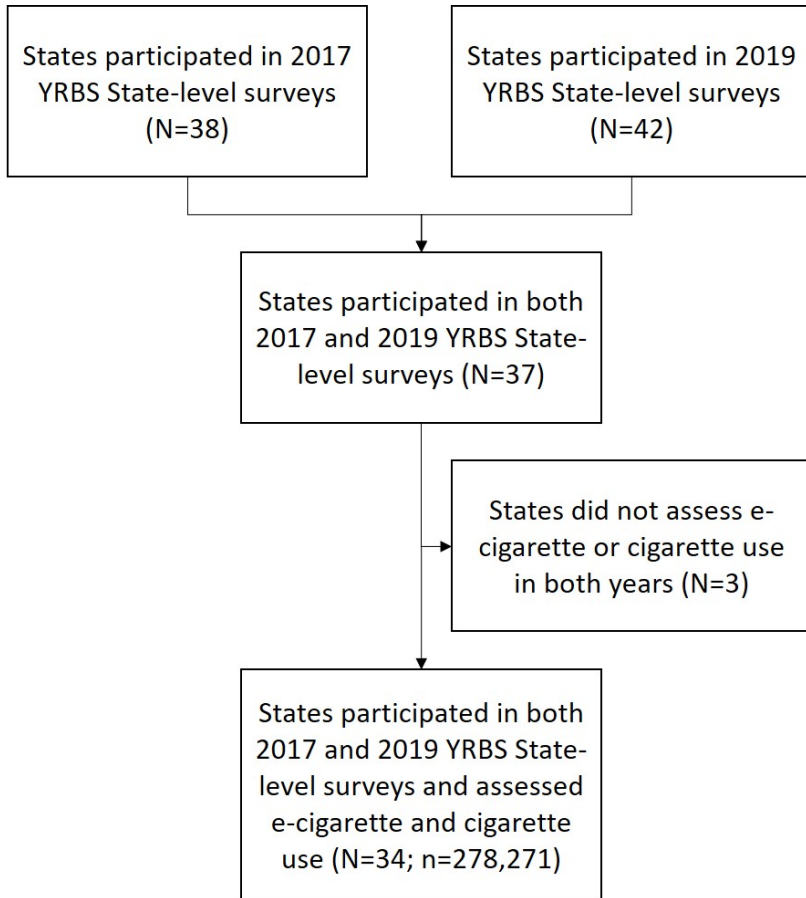


Supplementary Figure 1. Sample inclusion process from the 2017 and 2019 Youth Risk Behavior Survey State-level surveys.



Supplementary Table 1. Implementation dates of state-level e-cigarette policies.

Policy	State	Implementation date
E-cigarette-inclusive smoke-free policy	Hawaii	January 1, 2016
	New York	October 23, 2017
	North Dakota	December 6, 2012
	Rhode Island	July 1, 2018
	Utah	May 8, 2012
	Vermont	July 1, 2016
Raising minimum age of sales of all tobacco to 21 years	Hawaii	January 1, 2016
	Maine	July 1, 2018
E-cigarette excise taxes	Kansas	July 1, 2017
	Louisiana	August 1, 2015
	North Carolina	June 1, 2015
	Pennsylvania	October 1, 2016
	West Virginia	July 1, 2016