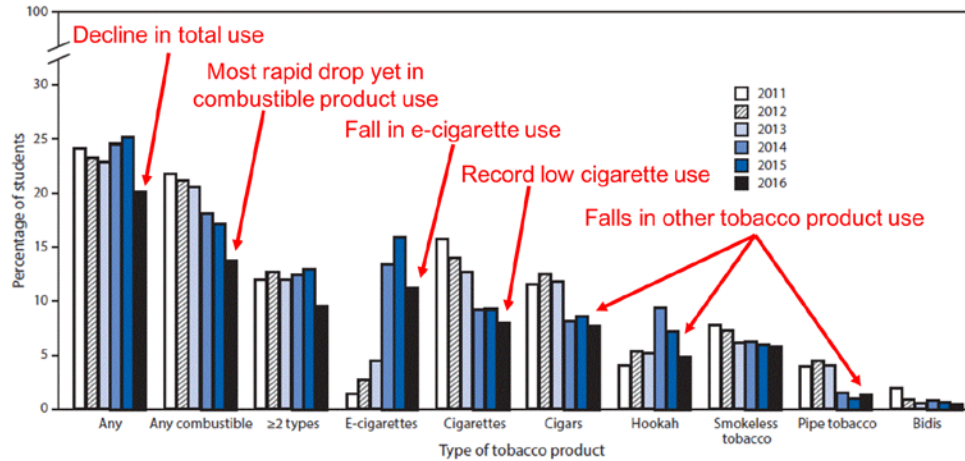


## Trends in tobacco and nicotine use in the United States

The two charts that follow are annotated to show salient features of the most recent data on youth smoking in the United States. The first is from the National Youth Tobacco Survey, published June 2017<sup>1</sup>.

FIGURE 1. Estimated percentage of high school students who currently use any tobacco products,\* any combustible tobacco products,<sup>†</sup> ≥2 tobacco products,<sup>‡</sup> and selected tobacco products – National Youth Tobacco Survey, United States, 2011–2016<sup>§,¶,††</sup>



\* Any tobacco product use is defined as past 30-day use of electronic cigarettes, cigarettes, cigars, hookahs, smokeless tobacco, pipe tobacco and/or bidis.

Figure 1: changes in patterns of youth nicotine use United States 2011-16

The second is from the 2016 University of Michigan Monitoring the Future survey, which has a time series dating back to 1975 for 12<sup>th</sup> grade smoking<sup>2</sup>.

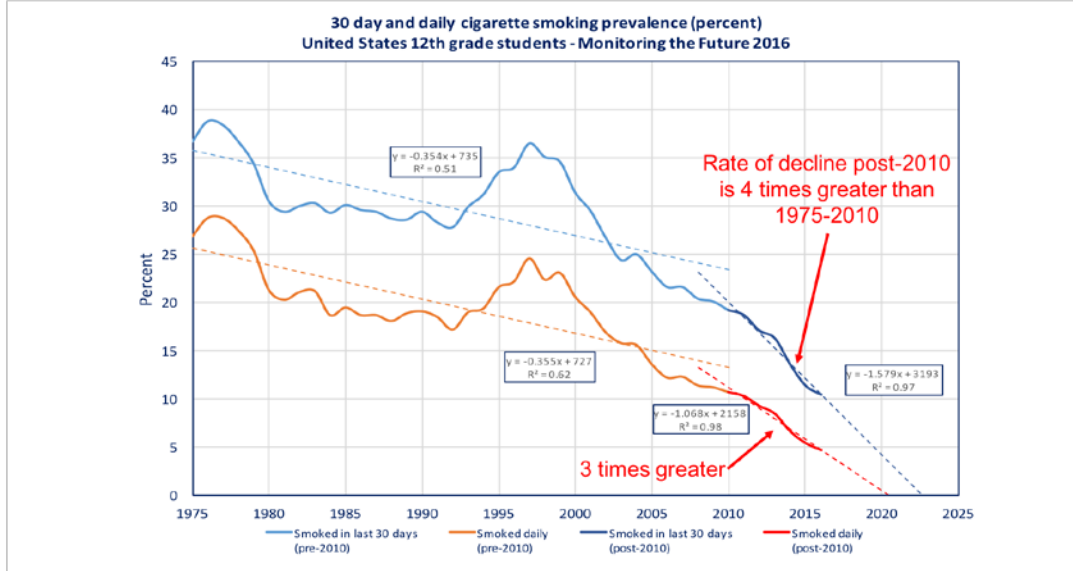
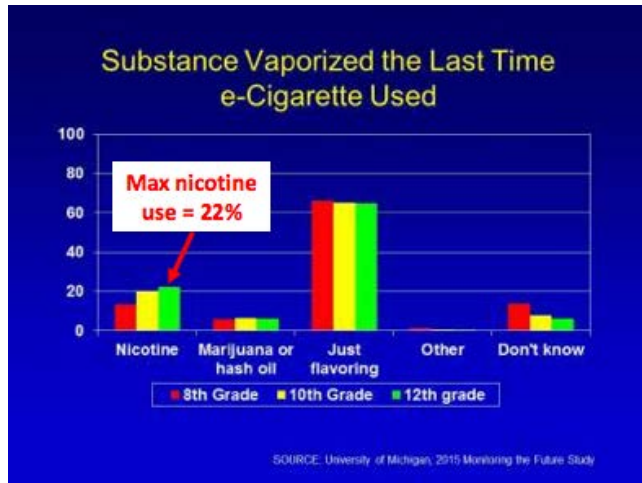
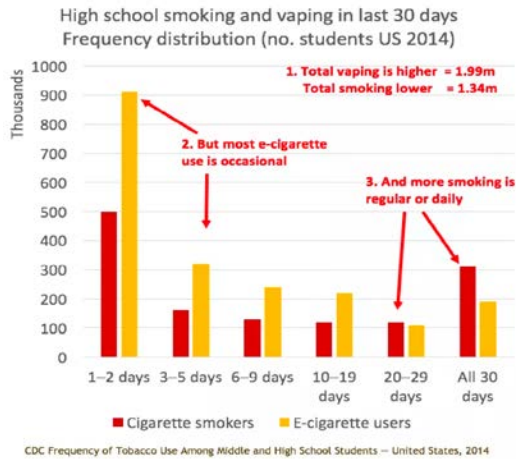


Figure 2: Accelerating decline in 12th grade smoking United States post-2010

<sup>1</sup> Jamal A, Gentzke A, Hu SS, Cullen KA, Apelberg BJ, Homa DM, et al. Tobacco Use Among Middle and High School Students - United States, 2011-2016. *MMWR Morb Mortal Wkly Rep*. 2017 Jun 16;66(23):597–603. [\[link\]](#)

<sup>2</sup> Miech RA, Johnston LD, O’Malley PM, Bachman JG, Schulenberg JE. Monitoring the Future national survey results on drug use, 1975-2016: Data tables. Table 2 - Trends in Prevalence of Use of Cigarettes. University of Michigan; Ann Arbor: 2016. [\[Tables\]](#) [\[Dataset\]](#).

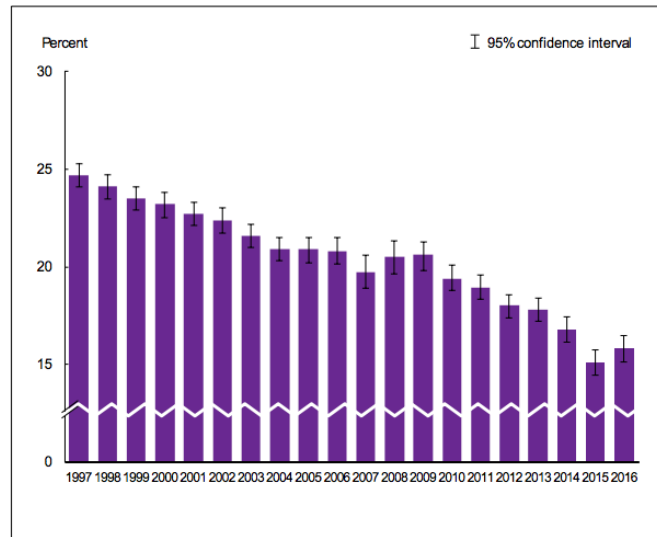
The third shows that the use of e-cigarettes is far less problematic than the headline numbers might suggest<sup>3</sup>. Though e-cigarette use rose sharply, from 2011-15 then fell back in 2016, much of this was occasional or experimental use. Also, students reported that most of their use did not involve nicotine liquids<sup>4</sup>.



Importantly, adult smoking has fallen at a rapid rate over the period vaping has risen<sup>5</sup>

### Current smoking

Figure 8.1. Prevalence of current cigarette smoking among adults aged 18 and over: United States, 1997–2016



<sup>3</sup> Neff LJ, Arrazola RA, Caraballo RS, *et al.* Frequency of Tobacco Use Among Middle and High School Students--United States, 2014. *MMWR Morb Mortal Wkly Rep* 2015;**64**:1061–5 Table 35. [\[link\]](#)

<sup>4</sup> Miech R, Patrick ME, O’Malley PM, Johnston LD. What are kids vaping? Results from a national survey of US adolescents. *Tob Control.*; 2016 [\[link\]](#).

<sup>5</sup> National Center for Health Statistics, National Health Interview Survey [\[link\]](#), Sample Adult Core component. Figure 8.1. Prevalence of current cigarette smoking among adults aged 18 and over: United States, 1997–2016. [\[data\]](#) Accessed June 2017.