

# Current E-Cigarette Use Among Mississippi Adults in 2020

The Mississippi Behavioral Risk Factor Surveillance System (BRFSS) is conducted annually to monitor the prevalence of behaviors that contribute to the leading causes of morbidity and mortality among adults in our state. The 2020 Mississippi BRFSS was completed by 6,479 Mississippians aged 18 years or older.

## E-Cigarette Use in the United States

- Electronic cigarettes, or **e-cigarettes**, have become more popular in recent years.
- In 2019, **3.7% of adults** in the United States **currently used** e-cigarettes.<sup>1</sup>
- Although e-cigarettes are considered less harmful than regular cigarettes, the aerosol produced by e-cigarettes is **not harmless** and may contain substances such as nicotine, lead, and cancer-causing agents.<sup>1</sup>

## Self-Reported E-Cigarette Use in Mississippi in 2020

- Approximately **1 in 21 adults** (4.6%) were current e-cigarette users.<sup>2</sup> (Figure 1)
- The percentage of current e-cigarette use was **higher** among **male respondents** (5.2%) compared to female respondents (4.1%); however, the difference was not statistically significant.<sup>2</sup> (Figure 2)
- The percentage of current e-cigarette use was **significantly higher** among **White, Non-Hispanic (NH) respondents** (6.2%) compared to Black, NH respondents (1.9%\*<sup>2</sup> (Figure 3)
- The percentage of current e-cigarette use was **the same** between **White, NH female** and **White, NH male respondents** (6.2%). Other race and gender groups were not assessed due to low sample size.<sup>2</sup> (Figure 4)

## Definitions

- The BRFSS defines a **current e-cigarette user** as an adult aged 18 years or older who has ever used an e-cigarette or other electronic vaping product in their lifetime and who, at the time of participation in the survey, reported using it every day or some days.<sup>2</sup>
- E-cigarettes and other electronic vaping products include hookahs, vape pens, e-cigs and others. The use of electronic vaping products for marijuana use is not included.<sup>2</sup>
- In this report, **“Other Race”** refers to adults who reported their race/ethnicity as anything other than White, Non-Hispanic (NH) or Black, NH.
- The difference between two estimates is considered **statistically significant** (also stated as “significantly higher/lower” or “significant” in this fact sheet) if the 95% confidence intervals do not overlap.

Figure 1. Percentage of Adult E-Cigarette Use by Status, Mississippi, 2020

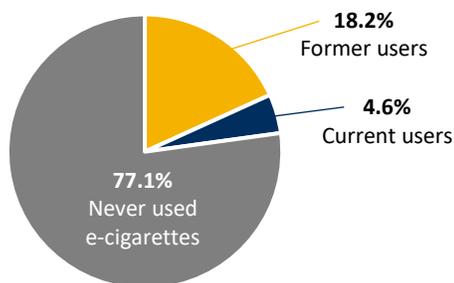


Figure 2. Percent of Current E-Cigarette Use by Gender, MS, 2020



Figure 3. Percent of Current E-Cigarette Use by Race/Ethnicity, MS, 2020



Figure 4. Percent of Current E-Cigarette Use by Race/Ethnicity & Gender, MS, 2020



Note: Data for the “Other” race group are suppressed due to low response.

Note: Data for the “Black Females,” “Black Males,” “Other Females,” and “Other Males” race/gender groups are suppressed due to low response.

**Note:** In the 2020 MS BRFSS, the numbers of responses for individual races and ethnicities contained in the “Other Race” demographic group were too low to allow for meaningful estimates. To request additional race/ethnicity data, please [submit a data request using MSDH's online form](#).

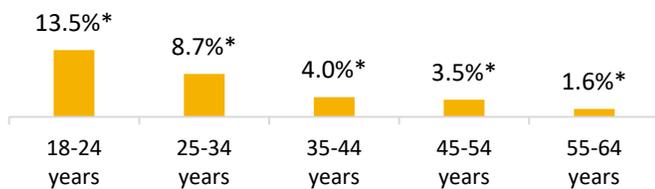
\*This estimate is based on a cell size of less than 50. Use caution when interpreting and comparing this estimate.

# Current E-Cigarette Use Among Mississippi Adults in 2020

## Self-Reported E-Cigarette Use in Mississippi in 2020 (continued)

- The percentage of current e-cigarette use was **significantly higher** among adults **aged 18 to 24 years** (13.5%\*) **and** adults **aged 25 to 34 years** (8.7%\*) compared to adults of other age groups. The 65+ years age group was not assessed due to low sample size.<sup>2</sup> (Figure 5)
- The percentage of current e-cigarette use was **significantly higher** among adults who have **completed some education post-high school** (6.8%) compared to adults who have graduated college (2.8%\*).<sup>2</sup> (Figure 6)
- The percentage of current e-cigarette use was **higher** among adults with an annual household **income of \$25,000 to \$34,999** (7.8%\*) compared to adults with other annual household incomes; however, the difference was not statistically significant.<sup>2</sup> (Figure 7)

Figure 5. Percent of Current E-Cigarette Use by Age, MS, 2020



Note: Data for the "65+ years" age group are suppressed due to low response.

Figure 6. Percent of Current E-Cigarette Use by Education, MS, 2020

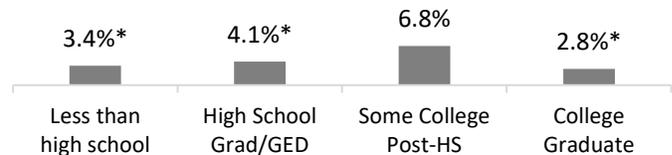


Figure 7. Percent of Current E-Cigarette Use by Annual Household Income, MS, 2020

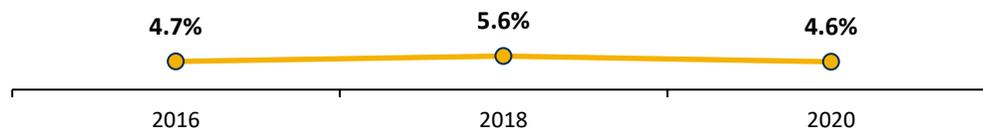


\*This estimate is based on a cell size of less than 50. Use caution when interpreting and comparing this estimate.

## Current E-Cigarette Use Trends in Mississippi

- There was **no significant change** in the percentage of adults who reported current e-cigarette use between 2016 (4.7%) and 2020 (4.6%).<sup>2</sup> (Figure 8)

Figure 8. 2016-2020 Trend of E-Cigarette Use Among Adults in Mississippi



### References

- 1)Centers for Disease Control and Prevention (CDC). (2022, November 10). About electronic cigarettes (e-cigarettes). Retrieved 11-15-2022, from [https://www.cdc.gov/tobacco/basic\\_information/e-cigarettes/about-e-cigarettes.html](https://www.cdc.gov/tobacco/basic_information/e-cigarettes/about-e-cigarettes.html)
- 2)Centers for Disease Control and Prevention (CDC). (2022, May 4). *Behavioral Risk Factor Surveillance System*. Retrieved 5-12-2022, from <https://www.cdc.gov/brfss/index.html>

For More Information, Contact:

Mississippi State Department of Health

Office of Vital Records: (601) 206-8200 or the Office of Tobacco Control: (601) 991-6050