

2020

the mississippi  
***youth tobacco***

S U R V E Y

1998-2020

mississippi tobacco data



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## {electronic cigarettes}

- \* We added e-cigarette use questions to the YTS in 2010. Use among youth was very low until 2014. From 2014 through 2017, the prevalence of past 30-day e-cigarette use remained at approximately 10%. Coinciding with the popularity of pod-based e-cigarettes, e-cigarette use among youth almost doubled from 2017 to 2018, and remained high in 2019.
- \* Current e-cigarette use among public middle school students has increased by 1333% since 2010, leading to 8,948 more young e-cigarette users.
- \* Current e-cigarette use among public high school students has increased by 1675% since 2010, leading to 25,940 more young e-cigarette users.

## key outcomes



- \* The prevalence of having ever tried using e-cigarettes has increased by 1989% since 2010, leading to 20,022 more middle school students who have tried using e-cigarettes.
- \* The prevalence of having ever tried using e-cigarettes has increased by 1884% since 2010, leading to 46,202 more high school students who have tried using e-cigarettes.
- \* Frequent e-cigarette use has increased by 356% since 2014, leading to 7,356 more high school students who have used an e-cigarette on at least 20 of the past 30 days.





## key outcomes

### {cigarettes}

- \* Tobacco use among Mississippi youth has decreased substantially since statewide tobacco control programs were implemented in 1999.
  - \* Current smoking among public middle school students has decreased by 85% since 1998, leading to 19,686 fewer young smokers.
  - \* Current smoking among public high school students has decreased by 79% since 1998, leading to 30,715 fewer young smokers.
  - \* The prevalence of having ever tried smoking has decreased by 75% since 1998, leading to 45,748 fewer middle school students who have tried smoking.
- 
- \* The prevalence of having ever tried smoking has decreased by 70% since 1998, leading to 68,528 fewer high school students who have tried smoking.
  - \* Frequent smoking has decreased by 92% since 1998, leading to 5,369 fewer middle school students who have smoked a cigarette on at least 20 of the past 30 days.
  - \* Frequent smoking has decreased by 90% since 1998, leading to 16,648 fewer high school students who have smoked a cigarette on at least 20 of the past 30 days.





## { smokeless tobacco }

- \* Current smokeless tobacco (SLT) use among public middle school students has decreased by 74% since 1998, leading to 7,942 fewer young SLT users.
- \* The prevalence of having ever tried SLT has decreased by 60% since 1998, leading to 12,192 fewer middle school students who have tried SLT.
- \* Current smokeless tobacco (SLT) use among public high school students has decreased by 55% since 1998, leading to 6,711 fewer young SLT users.
- \* The prevalence of having ever tried SLT has decreased by 62% since 1998, leading to 21,036 fewer high school students who have tried SLT.
- \* Frequent SLT use has decreased by 82% since 1998, leading to 2,013 fewer middle school students who have used SLT on at least 20 of the past 30 days.

## { cigars }

- \* Current cigar smoking among public middle school students has decreased by 75% since 1998, leading to 13,758 fewer young cigar smokers.



## key outcomes

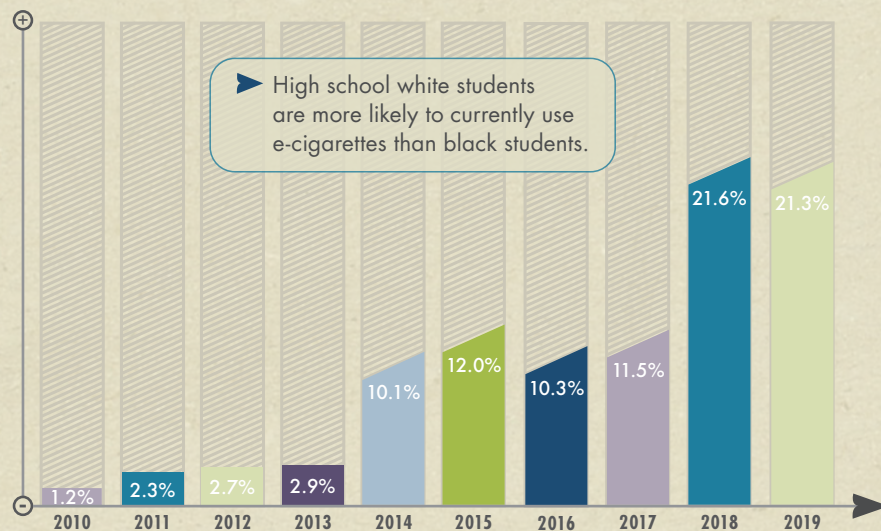
- \* Current cigar smoking among public high school students has decreased by 51% since 1998, leading to 14,712 fewer young cigar smokers.
- \* The prevalence of having ever tried cigar smoking has decreased by 67% since 1998, leading to 24,384 fewer middle school students who have tried cigar smoking.
- \* The prevalence of having ever tried cigar smoking has decreased by 55% since 1998, leading to 37,684 fewer high school students who have tried cigar smoking.



# current electronic cigarette use

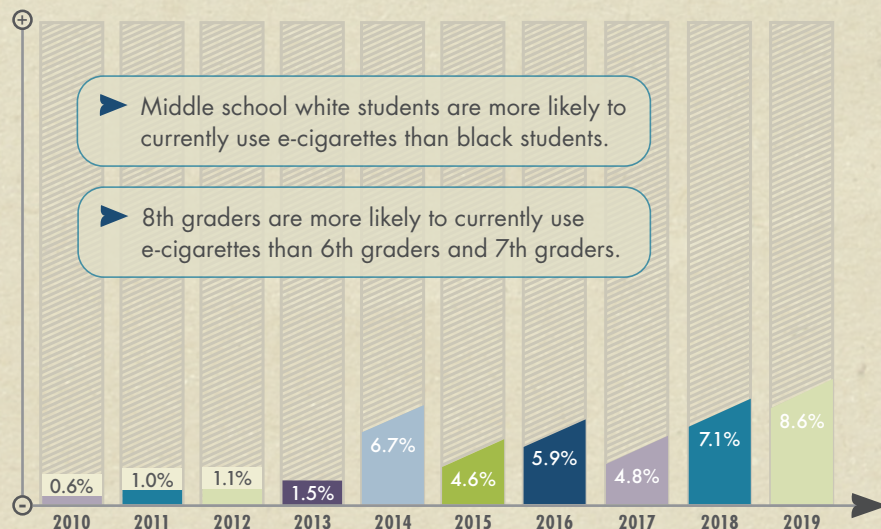
## MISSISSIPPI PUBLIC SCHOOLS

### HIGH SCHOOLS {2010-2019}



- \* In 2019, **27,489 Mississippi public high school students** had used e-cigarettes on at least one of the past 30 days.
- \* The prevalence of current e-cigarette use has **increased by 1,675%** since 2010, leading to 25,940 more young e-cigarette users.
- \* In the past year, the prevalence of current e-cigarette use **has not changed significantly.**

### MIDDLE SCHOOLS {2010-2019}



- \* In 2019, **9,619 Mississippi public middle school students** had used e-cigarettes on at least one of the past 30 days.
- \* The prevalence of current e-cigarette use has **increased by 1,333%** since 2010, leading to 8,948 more young e-cigarette users.
- \* In the past year, the prevalence of current e-cigarette use **has not changed significantly.**

➤ Significant Demographic Differences

Changes between 2013 and 2014 in the wording and placement of questions about the use of e-cigarettes might have had an impact on reported use of these products.

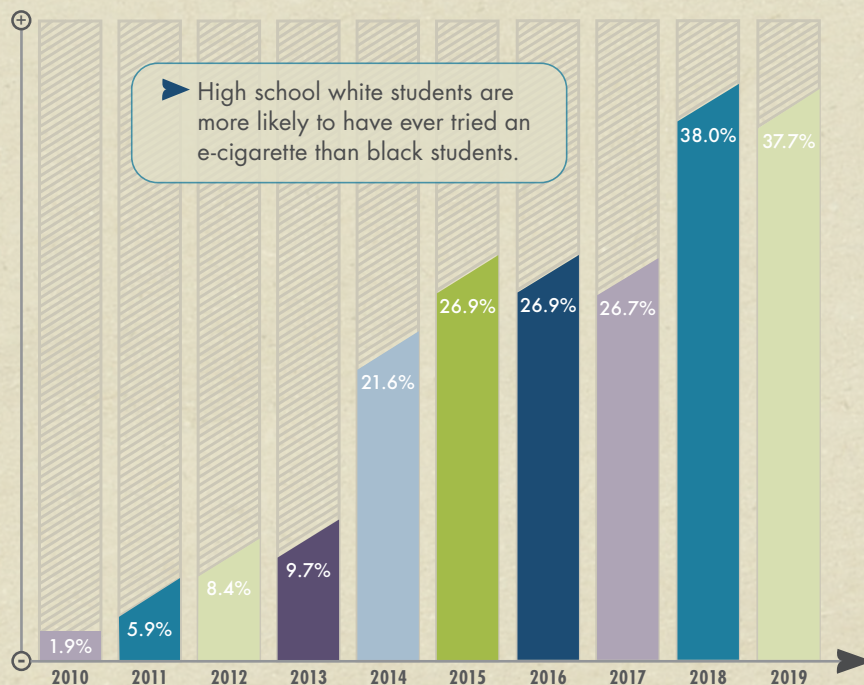




# ever tried an electronic cigarette

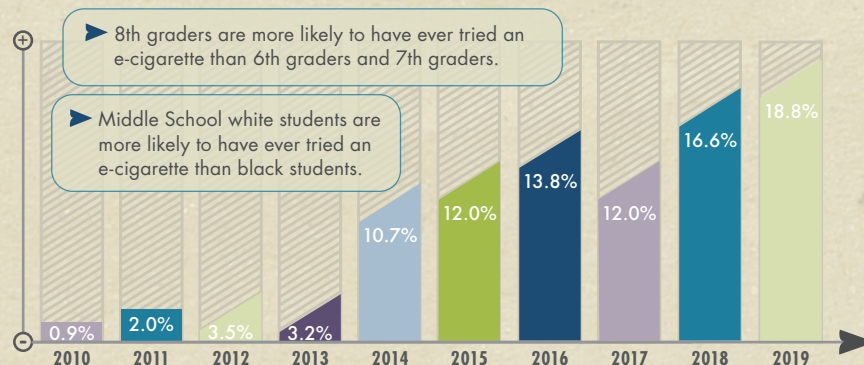
## MISSISSIPPI PUBLIC SCHOOLS

HIGH SCHOOLS {2010-2019}



- \* In 2019, **48,654 Mississippi public high school students** had tried at least one e-cigarette.
- \* The prevalence of having ever tried an e-cigarette has **increased by 1,884%** since 2010, leading to 46,202 more high school students who have tried using e-cigarettes.
- \* In the past year, the prevalence of having ever tried using e-cigarettes **has not changed significantly**.

MIDDLE SCHOOLS {2010-2019}



- \* In 2019, **21,028 Mississippi public middle school students** had tried at least one e-cigarette.
- \* The prevalence of having ever tried an e-cigarette has **increased by 1,989%** since 2010, leading to 20,022 more middle school students who have tried using e-cigarettes.
- \* In the past year, the prevalence of having ever tried using e-cigarettes **has not changed significantly**.

► Significant Demographic Differences

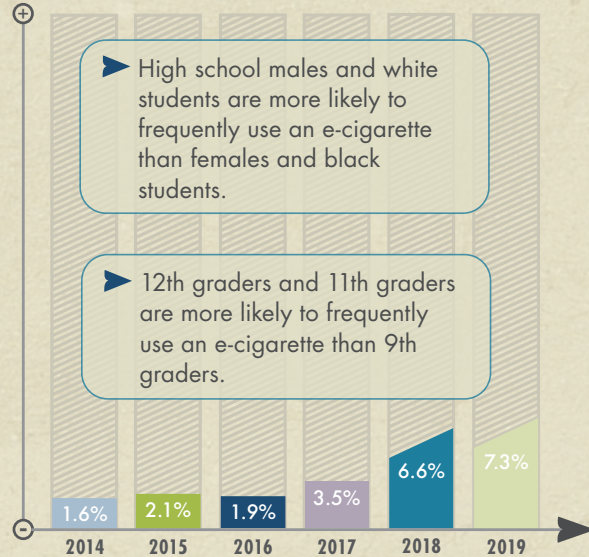
Changes between 2013 and 2014 in the wording and placement of questions about the use of e-cigarettes might have had an impact on reported use of these products.



# frequent electronic cigarette use

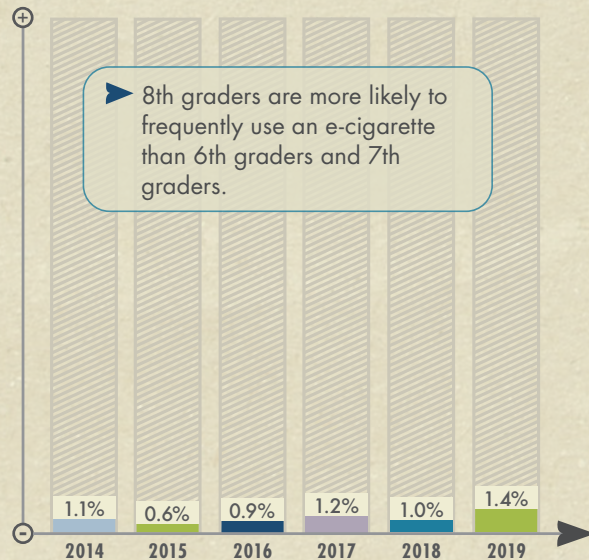
## MISSISSIPPI PUBLIC SCHOOLS

### HIGH SCHOOLS {2014-2019}



- \* In 2019, *9,421 Mississippi public high school students* had used e-cigarettes on at least 20 of the past 30 days.
- \* The prevalence of frequent e-cigarette use has *increased by 356%* since 2014, leading to 7,356 more high school students who are frequent e-cigarette users.
- \* In the past year, the prevalence of frequent e-cigarette use *has not changed significantly*.

### MIDDLE SCHOOLS {2014-2019}



- \* In 2019, *1,566 Mississippi public middle school students* had used e-cigarettes on at least 20 of the past 30 days.
- \* The prevalence of frequent e-cigarette use *has not changed significantly* since 2014.
- \* In the past year, the prevalence of frequent e-cigarette use *has not changed significantly*.

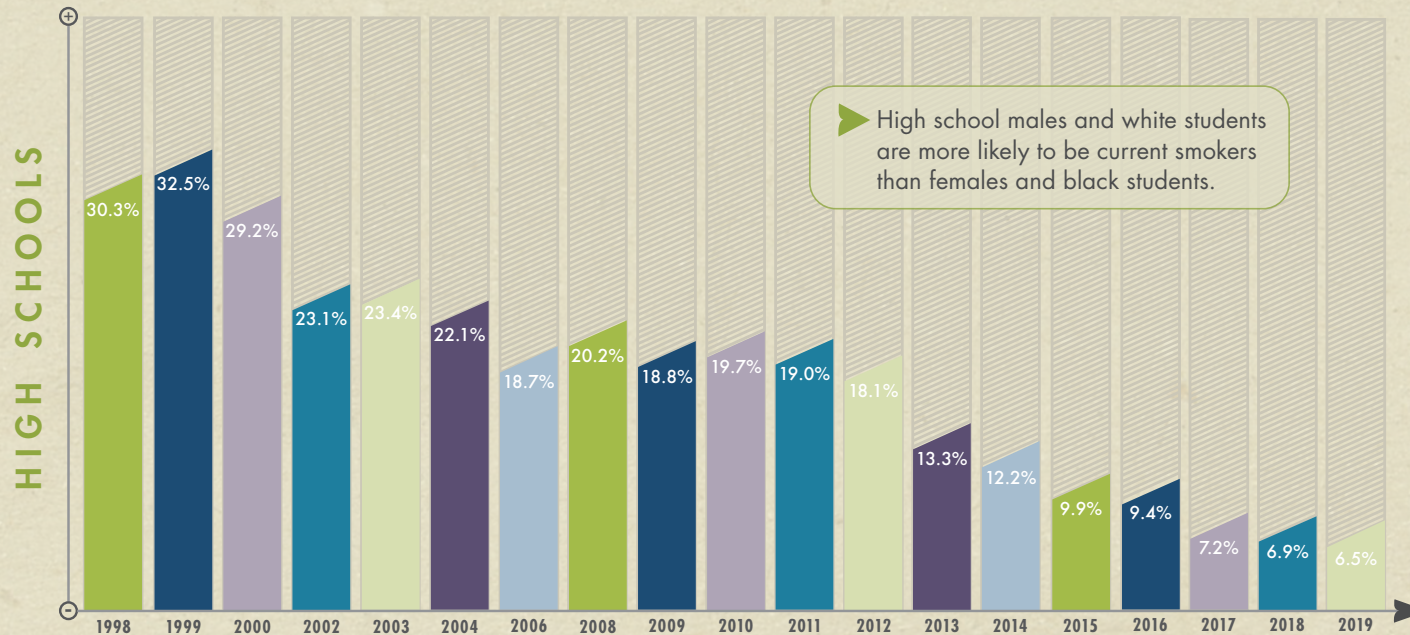
► Significant Demographic Differences

Changes between 2013 and 2014 in the wording and placement of questions about the use of e-cigarettes might have had an impact on reported use of these products.

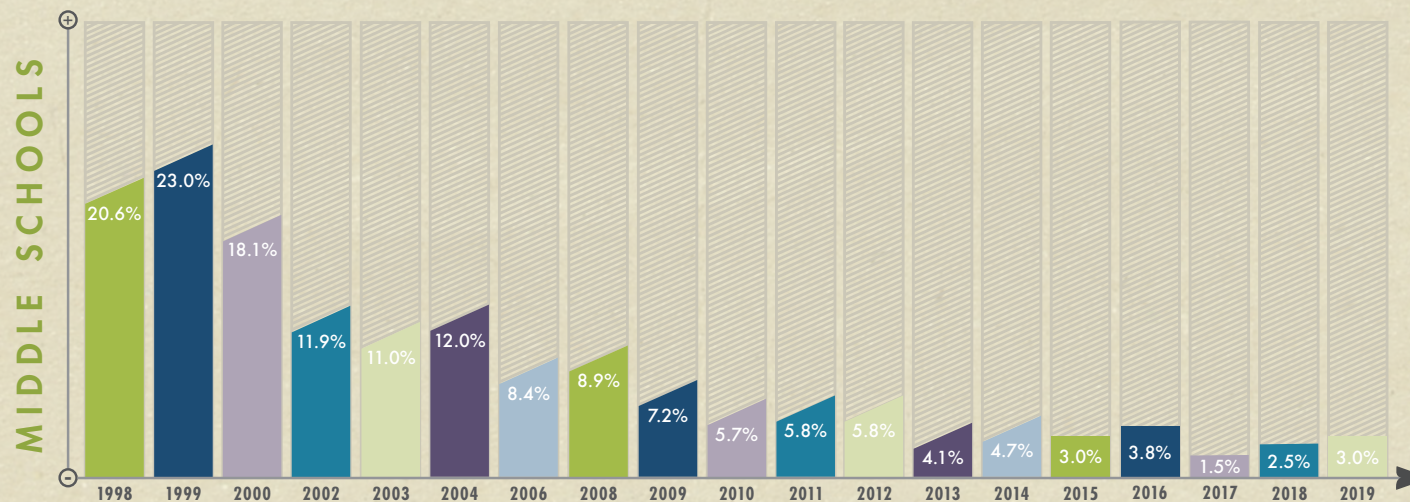


# current cigarette smoking

## MISSISSIPPI PUBLIC SCHOOLS



- \* In 2019, **8,389 Mississippi public high school students** had smoked cigarettes on at least one of the past 30 days.
- \* The prevalence of current smoking has **decreased by 79%** since 1998, leading to 30,715 fewer young smokers.
- \* In the past year, the prevalence of current smoking **has not changed significantly**.



- \* In 2019, **3,356 Mississippi public middle school students** had smoked cigarettes on at least one of the past 30 days.
- \* The prevalence of current smoking has **decreased by 85%** since 1998, leading to 19,686 fewer young smokers.
- \* In the past year, the prevalence of current smoking **has not changed significantly**.

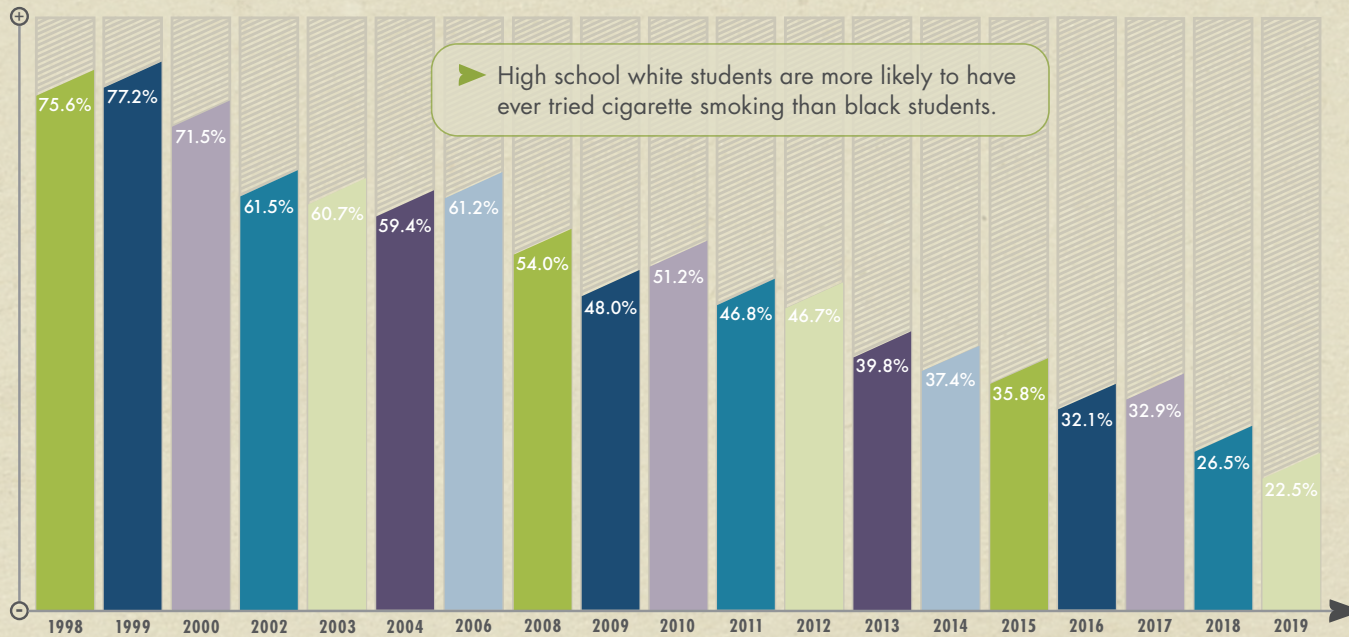
➤ Significant Demographic Differences



# ever tried a cigarette

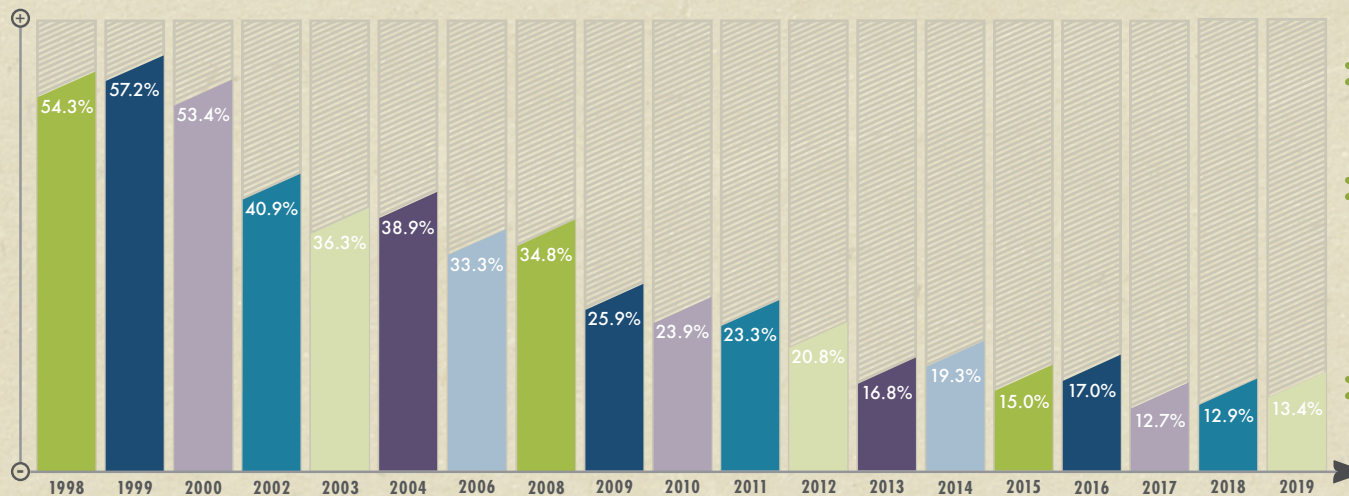
## MISSISSIPPI PUBLIC SCHOOLS

### HIGH SCHOOLS



- \* In 2019, **29,037 Mississippi public high school students** had tried at least one cigarette.
- \* The prevalence of having ever tried a cigarette has **decreased by 70%** since 1998, leading to 68,528 fewer high school students who have tried smoking.
- \* In the past year, the prevalence of having ever tried smoking **has not changed significantly**.

### MIDDLE SCHOOLS



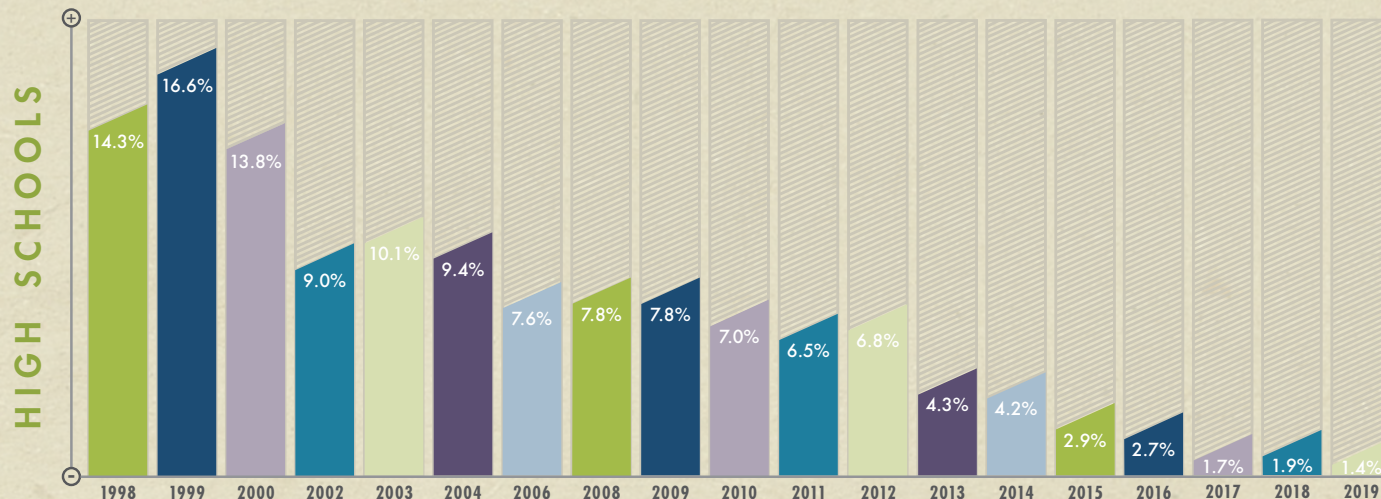
- \* In 2019, **14,988 Mississippi public middle school students** had tried at least one cigarette.
- \* The prevalence of having ever tried a cigarette has **decreased by 75%** since 1998, leading to 45,748 fewer middle school students who have tried smoking.
- \* In the past year, the prevalence of having ever tried smoking **has not changed significantly**.

Significant Demographic Differences

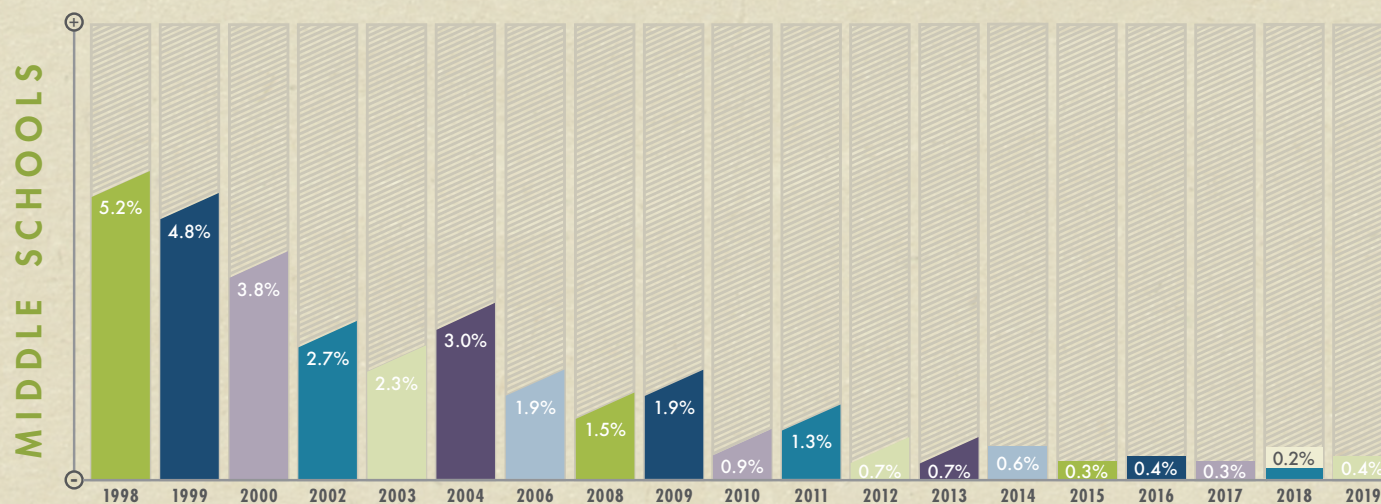


# frequent cigarette smoking

## MISSISSIPPI PUBLIC SCHOOLS



- \* In 2019, *1,807 Mississippi public high school students* had smoked cigarettes on at least 20 of the past 30 days.
- \* The prevalence of frequent smoking has *decreased by 90%* since 1998, leading to 16,648 fewer high school students who are frequent smokers.
- \* In the past year, the prevalence of frequent smoking *has not changed significantly*.



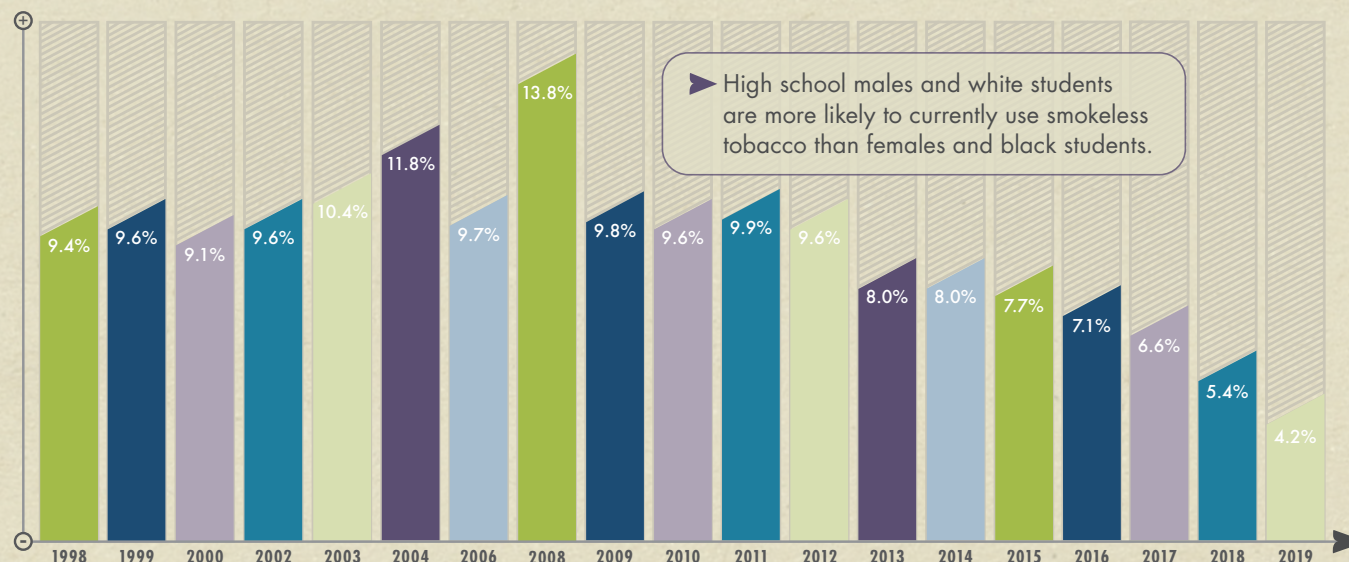
- \* In 2019, *447 Mississippi public middle school students* had smoked cigarettes on at least 20 of the past 30 days.
- \* The prevalence of frequent smoking has *decreased by 92%* since 1998, leading to 5,369 fewer middle school students who are frequent smokers.
- \* In the past year, the prevalence of frequent smoking *has not changed significantly*.



# current smokeless tobacco use

## MISSISSIPPI PUBLIC SCHOOLS

### HIGH SCHOOLS

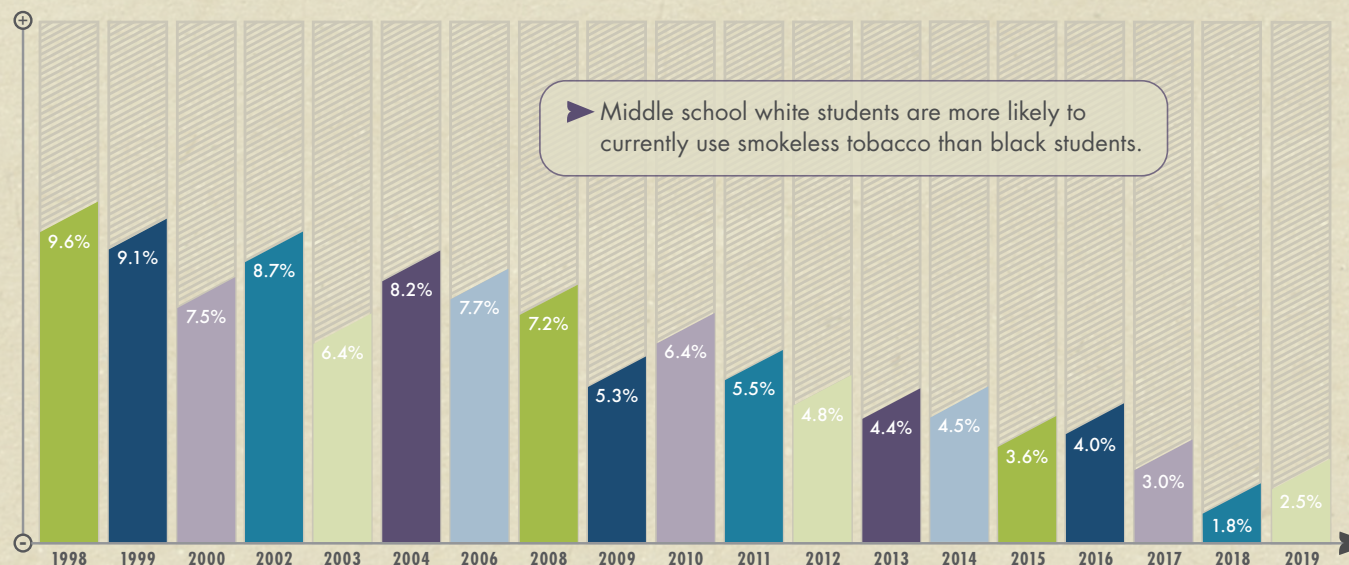


\* In 2019, *5,420 Mississippi public high school students* had used SLT on at least one of the past 30 days.

\* The prevalence of current SLT use has *decreased by 55%* since 1998, leading to 6,711 fewer young SLT users.

\* In the past year, the prevalence of current SLT use *has not changed significantly*.

### MIDDLE SCHOOLS



\* In 2019, *2,796 Mississippi public middle school students* had used SLT on at least one of the past 30 days.

\* The prevalence of current SLT use has *decreased by 74%* since 1998, leading to 7,942 fewer young SLT users.

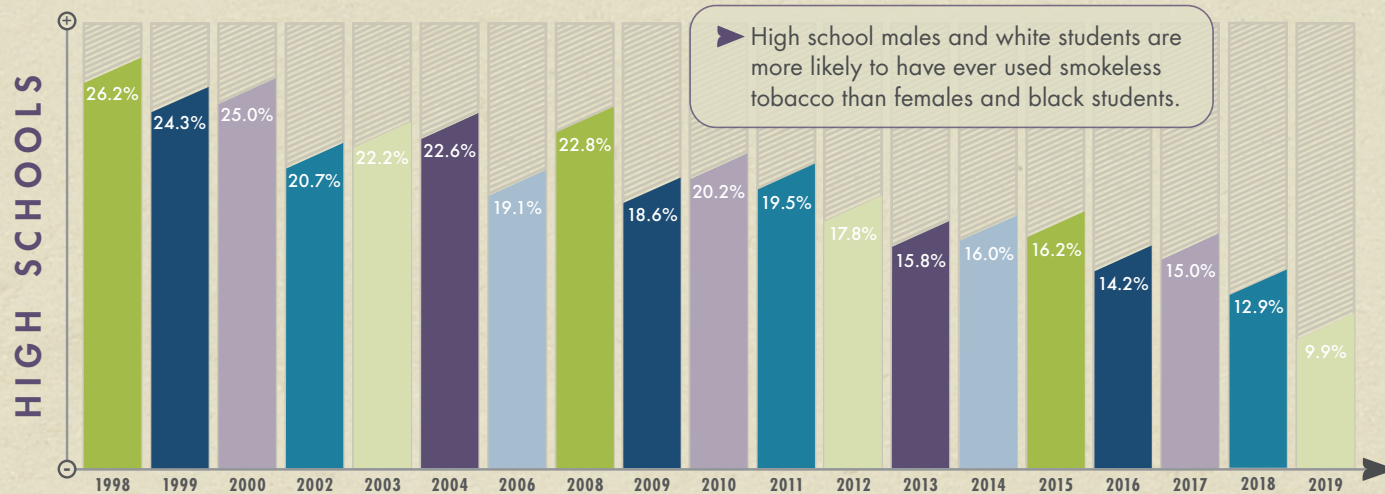
\* In the past year, the prevalence of current SLT use *has not changed significantly*.

► Significant Demographic Differences

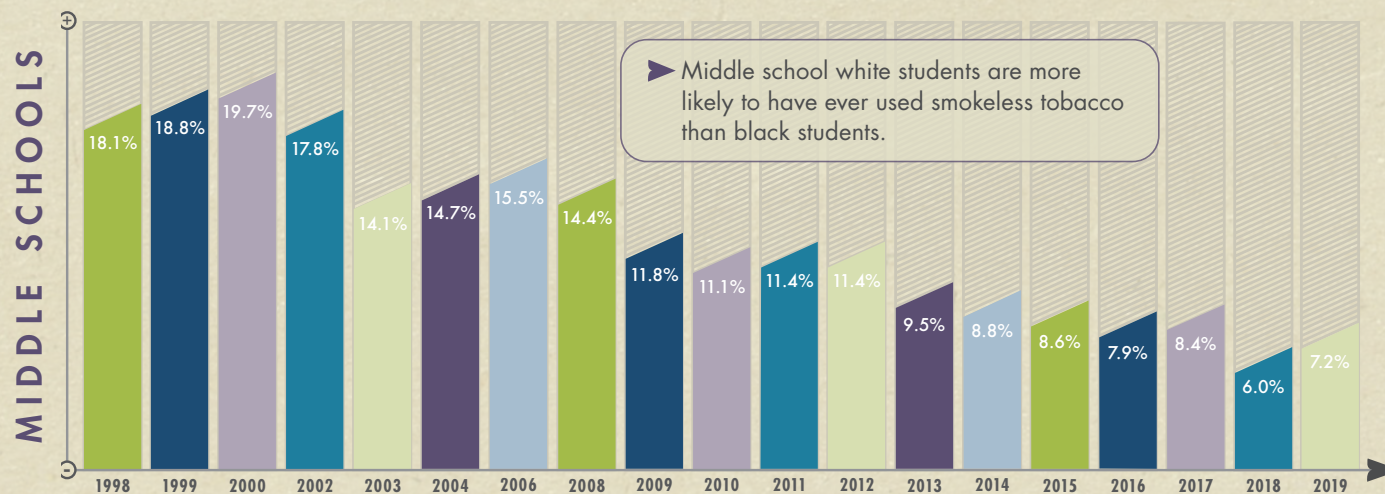


# ever tried smokeless tobacco

## MISSISSIPPI PUBLIC SCHOOLS



- \* In 2019, **12,776 Mississippi public high school students** had tried SLT at least one time.
- \* The prevalence of having ever tried SLT has **decreased by 62%** since 1998, leading to 21,036 fewer high school students who have tried SLT.
- \* In the past year, the prevalence of having ever tried SLT **has not changed significantly**.



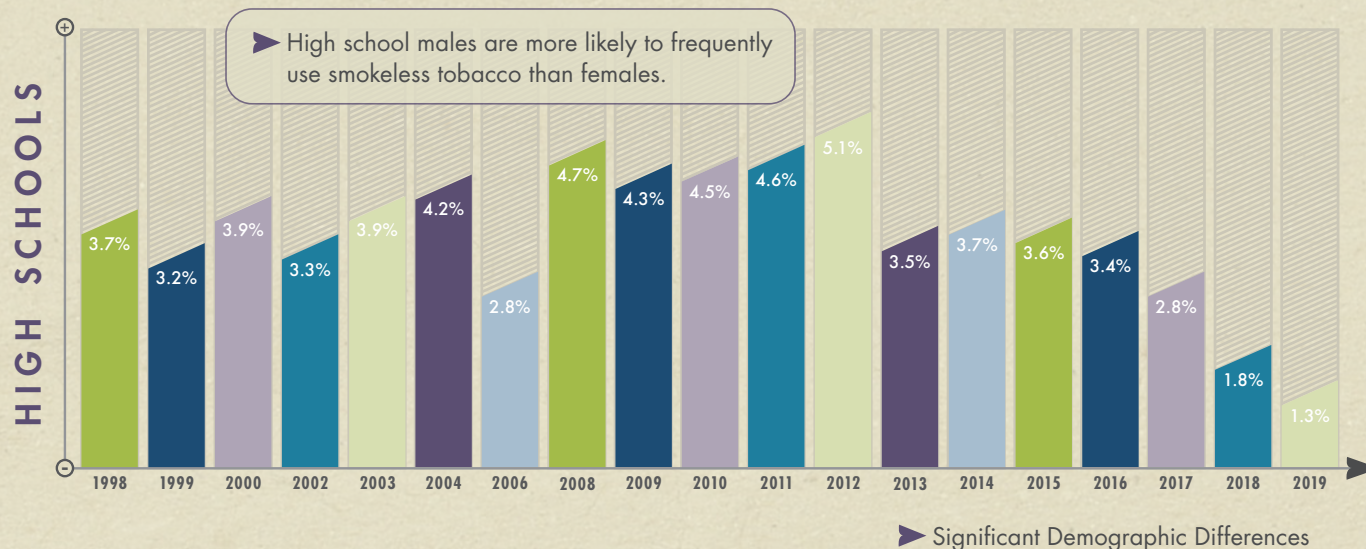
- \* In 2019, **8,053 Mississippi public middle school students** had tried SLT at least one time.
- \* The prevalence of having ever tried SLT has **decreased by 60%** since 1998, leading to 12,192 fewer middle school students who have tried SLT.
- \* In the past year, the prevalence of having ever tried SLT **has not changed significantly**.

➤ Significant Demographic Differences

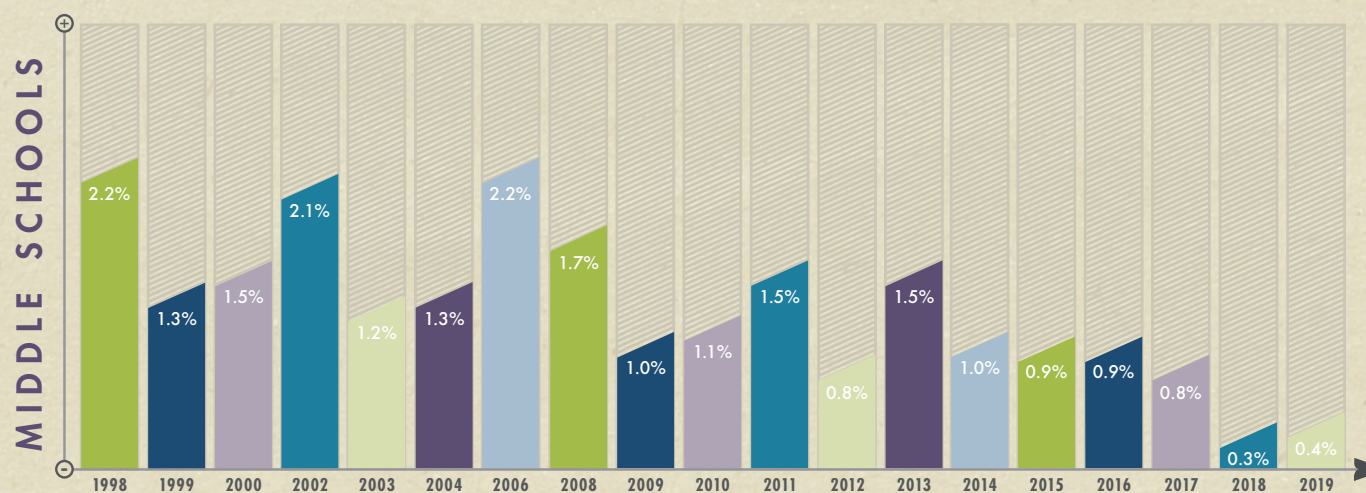


# frequent smokeless tobacco use

## MISSISSIPPI PUBLIC SCHOOLS



- \* In 2019, *1,678 Mississippi public high school students* had used SLT on at least 20 of the past 30 days.
- \* Since 1998, the prevalence of frequent SLT use *has not changed significantly*.
- \* In the past year, the prevalence of frequent SLT use *has not changed significantly*.

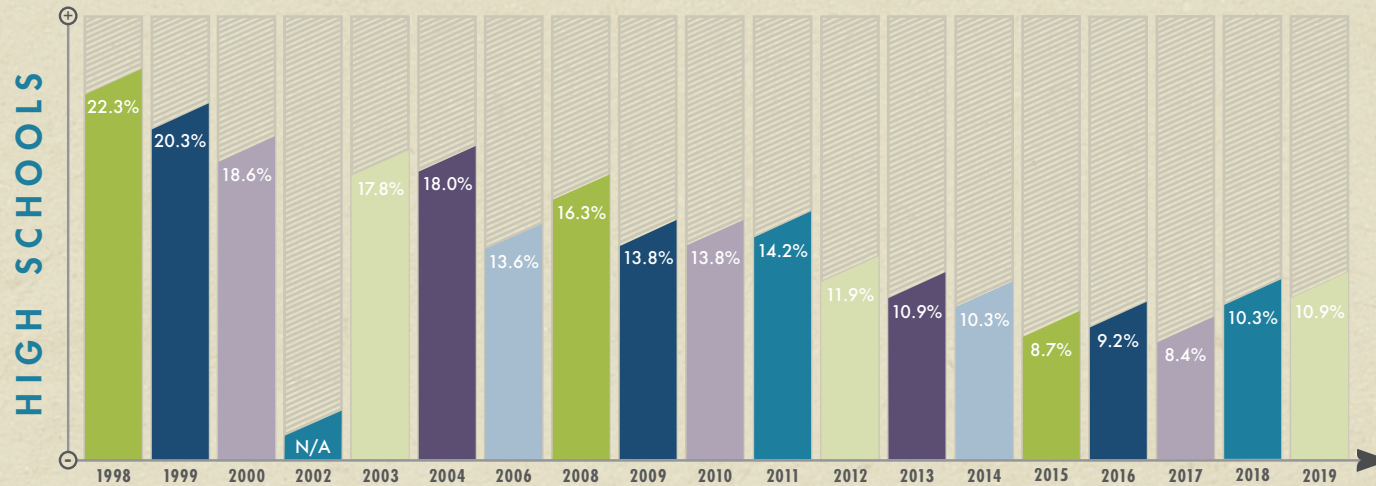


- \* In 2019, *447 Mississippi public middle school students* had used SLT on at least 20 of the past 30 days.
- \* The prevalence of frequent SLT use has *decreased by 82%* since 1998, leading to 2,013 fewer middle school students who are frequent SLT users.
- \* In the past year, the prevalence of frequent SLT use *has not changed significantly*.

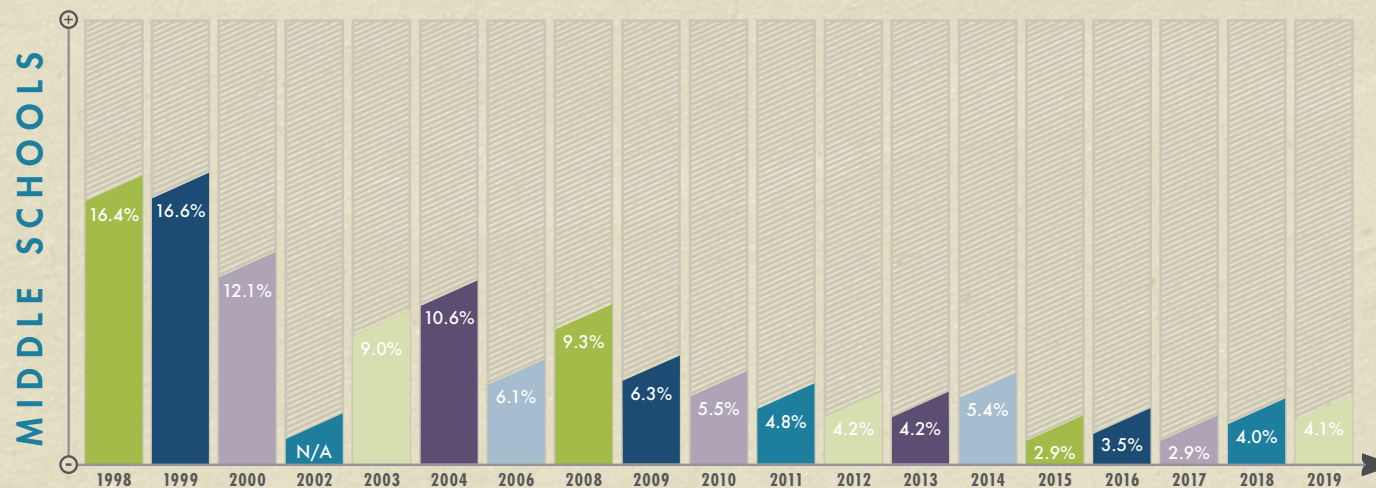


# current cigar smoking

## MISSISSIPPI PUBLIC SCHOOLS



- \* In 2019, **14,067 Mississippi public high school students** had smoked cigars on at least one of the past 30 days.
- \* The prevalence of current cigar smoking has **decreased by 51%** since 1998, leading to 14,712 fewer young cigar smokers.
- \* In the past year, the prevalence of current cigar smoking **has not changed significantly**.

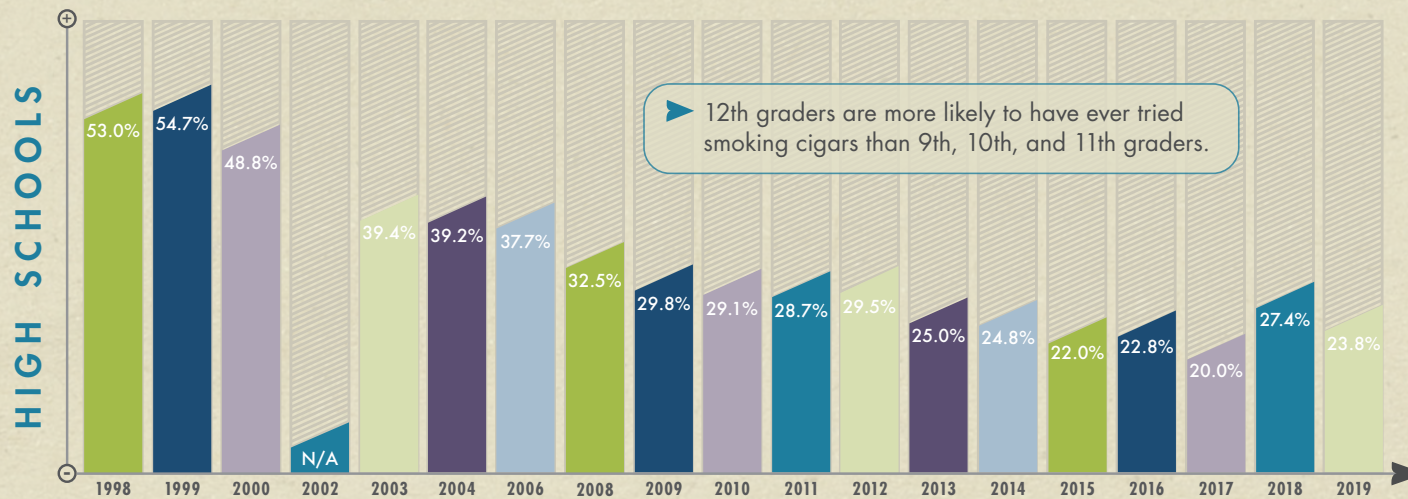


- \* In 2019, **4,586 Mississippi public middle school students** had smoked cigars on at least one of the past 30 days.
- \* The prevalence of current cigar smoking has **decreased by 75%** since 1998, leading to 13,758 fewer young cigar smokers.
- \* In the past year, the prevalence of current cigar smoking **has not changed significantly**.

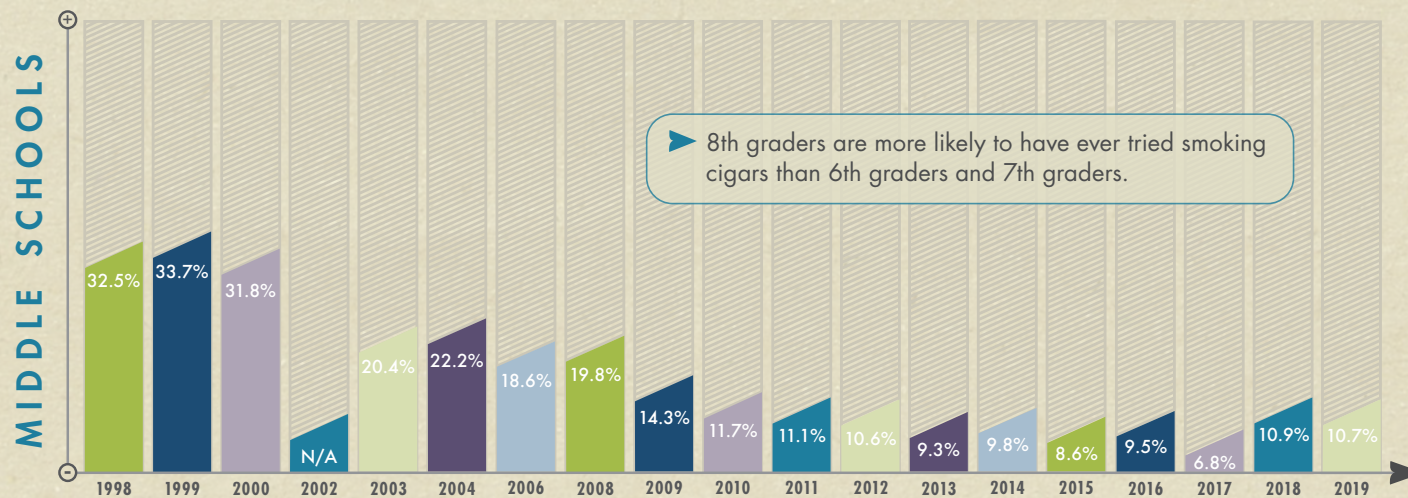


# ever tried a cigar

## MISSISSIPPI PUBLIC SCHOOLS



- \* In 2019, *30,715 Mississippi public high school students* had tried at least one cigar.
- \* The prevalence of having ever tried a cigar has *decreased by 55%* since 1998, leading to 37,684 fewer high school students who have tried cigar smoking.
- \* In the past year, the prevalence of having ever tried smoking cigars *has not changed significantly*.



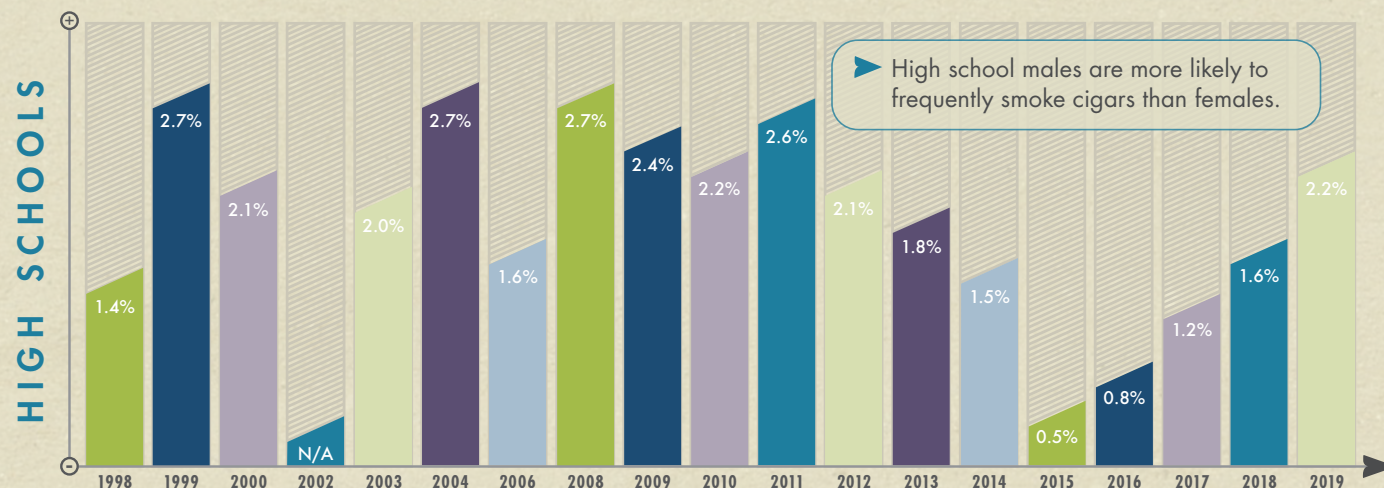
- \* In 2019, *11,968 Mississippi public middle school students* had tried at least one cigar.
- \* The prevalence of having ever tried a cigar has *decreased by 67%* since 1998, leading to 24,384 fewer middle school students who have tried cigar smoking.
- \* In the past year, the prevalence of having ever tried smoking cigars *has not changed significantly*.

► Significant Demographic Differences

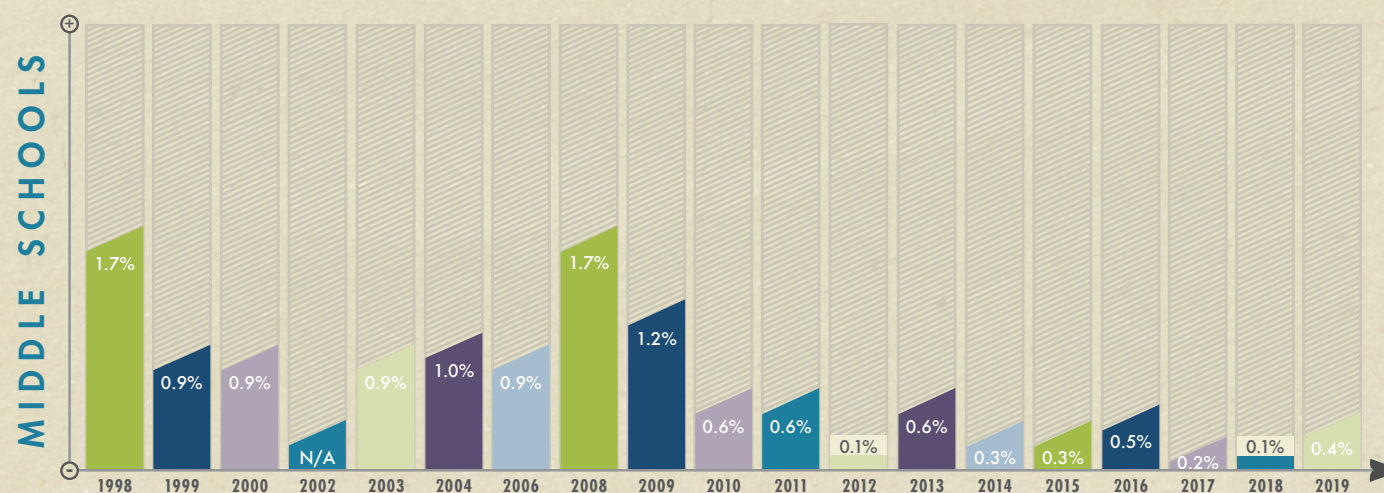


# frequent cigar smoking

## MISSISSIPPI PUBLIC SCHOOLS



- \* In 2019, **2,839 Mississippi public high school students** had smoked cigars on at least 20 of the past 30 days.
- \* Since 1998, the prevalence of frequent cigar smoking *has not changed significantly*.
- \* In the past year, the prevalence of frequent cigar smoking *has not changed significantly*.



- \* In 2019, **447 Mississippi public middle school students** had smoked cigars on at least 20 of the past 30 days.
- \* Since 1998, the prevalence of frequent cigar smoking *has not changed significantly*.
- \* In the past year, the prevalence of frequent cigar smoking *has not changed significantly*.

► Significant Demographic Differences



# Change in *Electronic Cigarette Use*

\*\*Due to the newness of the product, e-cigarette rates were extremely low in 2010 when the YTS first asked about e-cigarette use. The percent change in e-cigarette use reflects this and highlights the surge in use among high school and middle school students.

Current Electronic Cigarette Use  
(Public High School)

	2010	2019	% Change
Overall	1.2%	21.3%	↑ 1675.0*
Female	1.1%	21.3%	↑ 1836.4*
Male	1.3%	21.4%	↑ 1546.2*
White	1.8%	33.2%	↑ 1744.4*
Black	0.6%	9.2%	↑ 1433.3*
9th	1.2%	17.2%	↑ 1333.3*
10th	0.9%	17.4%	↑ 1833.3*
11th	0.3%	23.0%	↑ 7566.7*
12th	2.5%	29.2%	↑ 1068.0*

Ever Tried an Electronic Cigarette  
(Public High School)

	2010	2019	% Change
Overall	1.9%	37.7%	↑ 1884.2*
Female	1.8%	38.8%	↑ 2055.6*
Male	1.9%	36.9%	↑ 1842.1*
White	3.1%	51.8%	↑ 1571.0*
Black	0.7%	23.8%	↑ 3300.0*
9th	1.6%	33.2%	↑ 1975.0*
10th	1.2%	33.6%	↑ 2700.0*
11th	1.2%	39.3%	↑ 3175.0*
12th	3.8%	46.5%	↑ 1123.7*

Frequent Electronic Cigarette Use  
(Public High School)

	2014	2019	% Change
Overall	1.6%	7.3%	↑ 356.3*
Female	0.9%	5.2%	↑ 477.8*
Male	2.2%	9.5%	↑ 331.8*
White	1.8%	12.0%	↑ 566.7*
Black	0.9%	2.1%	ns
9th	0.7%	3.1%	ns
10th	1.5%	6.2%	↑ 313.3*
11th	2.2%	9.1%	↑ 313.6*
12th	2.1%	11.8%	↑ 461.9*

Current Electronic Cigarette Use  
(Public Middle School)

	2010	2019	% Change
Overall	0.6%	8.6%	↑ 1333.3*
Female	0.5%	7.4%	↑ 1380.0*
Male	0.8%	9.4%	↑ 1075.0*
White	1.1%	13.2%	↑ 1100.0*
Black	0.3%	4.5%	↑ 1400.0*
6th	0.7%	4.1%	ns
7th	0.3%	7.4%	↑ 2366.7*
8th	1.0%	14.9%	↑ 1390.0*

Ever Tried an Electronic Cigarette  
(Public Middle School)

	2010	2019	% Change
Overall	0.9%	18.8%	↑ 1988.9*
Female	0.7%	17.2%	↑ 2357.1*
Male	1.0%	20.4%	↑ 1940.0*
White	1.4%	25.6%	↑ 1728.6*
Black	0.4%	13.5%	↑ 3275.0*
6th	0.8%	13.0%	↑ 1525.0*
7th	0.5%	15.6%	↑ 3020.0*
8th	1.3%	29.0%	↑ 2130.8*

Frequent Electronic Cigarette Use  
(Public Middle School)

	2014	2019	% Change
Overall	1.1%	1.4%	ns
Female	0.4%	1.3%	ns
Male	1.6%	1.4%	ns
White	1.1%	2.3%	ns
Black	1.0%	0.5%	ns
6th	0.4%	0.2%	ns
7th	0.8%	0.3%	ns
8th	2.2%	4.1%	ns

## KEY

(↓) decrease (\*) significant

(↑) increase (ns) non-significant



# Change in Cigarette Smoking

Current Cigarette Smoking  
(Public High School)

	1998	2019	% Change
Overall	30.3%	6.5%	↓ 78.6%*
Female	27.1%	4.3%	↓ 84.1%*
Male	33.9%	8.6%	↓ 74.6%*
White	43.8%	9.0%	↓ 79.5%*
Black	14.2%	3.2%	↓ 77.5%*
9th	27.6%	5.4%	↓ 80.4%*
10th	31.4%	6.3%	↓ 79.9%*
11th	33.5%	5.8%	↓ 82.7%*
12th	29.4%	8.5%	↓ 71.1%*

Ever Tried a Cigarette  
(Public High School)

	1998	2019	% Change
Overall	75.6%	22.5%	↓ 70.2%*
Female	72.6%	21.8%	↓ 70.0%*
Male	78.7%	23.0%	↓ 70.8%*
White	79.4%	29.8%	↓ 62.5%*
Black	70.6%	14.5%	↓ 79.5%*
9th	73.1%	18.9%	↓ 74.2%*
10th	75.0%	19.3%	↓ 74.3%*
11th	76.9%	23.6%	↓ 69.3%*
12th	78.2%	29.2%	↓ 62.7%*

Frequent Cigarette Smoking  
(Public High School)

	1998	2019	% Change
Overall	14.3%	1.4%	↓ 90.2%*
Female	11.6%	0.8%	↓ 93.1%*
Male	17.3%	2.0%	↓ 88.4%*
White	23.2%	1.5%	↓ 93.5%*
Black	3.4%	0.8%	ns
9th	8.3%	0.8%	↓ 90.4%*
10th	16.7%	1.1%	↓ 93.4%*
11th	17.9%	1.7%	↓ 90.5%*
12th	16.1%	2.0%	↓ 87.6%*

Current Cigarette Smoking  
(Public Middle School)

	1998	2019	% Change
Overall	20.6%	3.0%	↓ 85.4%*
Female	18.2%	2.1%	↓ 88.5%*
Male	23.0%	3.8%	↓ 83.5%*
White	22.8%	3.1%	↓ 86.4%*
Black	17.6%	3.1%	↓ 82.4%*
6th	11.9%	3.5%	↓ 70.6%*
7th	21.8%	1.7%	↓ 92.2%*
8th	25.8%	4.1%	↓ 84.1%*

Ever Tried a Cigarette  
(Public Middle School)

	1998	2019	% Change
Overall	54.3%	13.4%	↓ 75.3%*
Female	51.2%	10.8%	↓ 78.9%*
Male	57.3%	15.9%	↓ 72.3%*
White	52.0%	15.4%	↓ 70.4%*
Black	56.3%	12.3%	↓ 78.2%*
6th	41.8%	10.5%	↓ 74.9%*
7th	55.0%	11.2%	↓ 79.6%*
8th	64.0%	19.2%	↓ 70.0%*

Frequent Cigarette Smoking  
(Public Middle School)

	1998	2019	% Change
Overall	5.2%	0.4%	↓ 92.3%*
Female	3.6%	0.2%	↓ 94.4%*
Male	6.8%	0.5%	↓ 92.7%*
White	6.4%	0.5%	↓ 92.2%*
Black	2.6%	0.3%	↓ 88.5%*
6th	1.2%	0.4%	ns
7th	5.1%	0.2%	↓ 96.1%*
8th	7.1%	0.6%	↓ 91.6%*

## KEY

(↓) decrease (\*) significant  
(↑) increase (ns) non-significant



# Change in Smokeless Tobacco Use

Current Smokeless Tobacco Use  
(Public High School)

	1998	2019	% Change
Overall	9.4%	4.2%	↓ 55.3%
Female	1.3%	0.8%	ns
Male	18.1%	7.8%	↓ 56.9%*
White	16.0%	6.4%	↓ 60.0%*
Black	1.5%	1.7%	ns
9th	9.1%	4.2%	ns
10th	11.7%	3.4%	↓ 70.9%*
11th	6.8%	3.8%	ns
12th	8.6%	5.7%	ns

Ever Tried Smokeless Tobacco  
(Public High School)

	1998	2019	% Change
Overall	26.2%	9.9%	↓ 62.2%*
Female	11.4%	3.8%	↓ 66.7%*
Male	42.2%	16.0%	↓ 62.1%*
White	38.5%	15.1%	↓ 60.8%*
Black	11.6%	4.1%	↓ 64.7%*
9th	25.7%	8.0%	↓ 68.9%*
10th	27.0%	10.4%	↓ 61.5%*
11th	25.4%	9.5%	↓ 62.6%
12th	25.8%	12.0%	↓ 53.5%*

Frequent Smokeless Tobacco Use  
(Public High School)

	1998	2019	% Change
Overall	3.7%	1.3%	ns
Female	0.4%	0.1%	ns
Male	7.3%	2.5%	↓ 65.8%*
White	6.4%	1.2%	↓ 81.3%*
Black	0.2%	0.9%	ns
9th	2.2%	1.4%	ns
10th	5.5%	0.4%	ns
11th	3.7%	1.4%	ns
12th	3.5%	2.1%	ns

Current Smokeless Tobacco Use  
(Public Middle School)

	1998	2019	% Change
Overall	9.6%	2.5%	↓ 74.0%*
Female	4.2%	1.6%	ns
Male	14.8%	3.3%	↓ 77.7%*
White	12.7%	4.1%	↓ 67.7%*
Black	4.8%	1.1%	↓ 77.1%*
6th	6.5%	2.1%	↓ 67.7%*
7th	8.7%	2.1%	↓ 75.9%*
8th	12.0%	3.4%	↓ 71.7%*

Ever Tried Smokeless Tobacco  
(Public Middle School)

	1998	2019	% Change
Overall	18.1%	7.2%	↓ 60.2%*
Female	7.2%	4.3%	ns
Male	28.5%	10.1%	↓ 64.6%*
White	24.0%	11.9%	↓ 50.4%*
Black	10.5%	3.3%	↓ 68.6%*
6th	12.9%	5.2%	ns
7th	19.0%	6.1%	↓ 67.9%*
8th	20.7%	10.8%	↓ 47.8%*

Frequent Smokeless Tobacco Use  
(Public Middle School)

	1998	2019	% Change
Overall	2.2%	0.4%	↓ 81.8%*
Female	0.9%	0.0%	ns
Male	3.5%	0.7%	ns
White	2.4%	0.6%	ns
Black	1.0%	0.1%	ns
6th	0.5%	0.0%	ns
7th	1.7%	0.5%	ns
8th	3.0%	0.7%	ns

## KEY

(↓) decrease (\*) significant

(↑) increase (ns) non-significant



# Change in Cigar Smoking

Current Cigar Smoking  
(Public High School)

	1998	2019	% Change
Overall	22.3%	10.9%	↓ 51.1%*
Female	13.8%	9.3%	ns
Male	31.1%	12.6%	↓ 59.5%*
White	23.5%	8.4%	↓ 64.3%*
Black	20.1%	13.3%	ns
9th	18.9%	9.1%	↓ 51.9%*
10th	24.7%	8.9%	↓ 64.0%*
11th	23.8%	10.7%	↓ 55.0%*
12th	22.0%	15.6%	ns

Ever Tried a Cigar  
(Public High School)

	1998	2019	% Change
Overall	53.0%	23.8%	↓ 55.1%*
Female	43.2%	23.0%	↓ 46.8%*
Male	63.5%	24.8%	↓ 60.9%*
White	54.4%	21.4%	↓ 60.7%*
Black	51.1%	26.4%	↓ 48.3%*
9th	50.0%	19.3%	↓ 61.4%*
10th	49.9%	19.4%	↓ 61.1%*
11th	57.5%	23.7%	↓ 58.8%*
12th	56.9%	34.4%	↓ 39.5%*

Frequent Cigar Smoking  
(Public High School)

	1998	2019	% Change
Overall	1.4%	2.2%	ns
Female	0.2%	1.0%	ns
Male	2.6%	3.5%	ns
White	1.5%	1.2%	ns
Black	0.9%	2.6%	ns
9th	1.1%	2.2%	ns
10th	1.8%	1.1%	ns
11th	1.0%	2.8%	ns
12th	1.4%	2.9%	ns

Current Cigar Smoking  
(Public Middle School)

	1998	2019	% Change
Overall	16.4%	4.1%	↓ 75.0%*
Female	12.3%	2.8%	↓ 77.2%*
Male	20.4%	5.2%	↓ 74.5%*
White	12.3%	3.4%	↓ 72.4%*
Black	19.9%	4.9%	↓ 75.4%*
6th	7.9%	3.0%	↓ 62.0%*
7th	17.1%	3.3%	↓ 80.7%*
8th	21.2%	6.4%	↓ 69.8%*

Ever Tried a Cigar  
(Public Middle School)

	1998	2019	% Change
Overall	32.5%	10.7%	↓ 67.1%*
Female	24.2%	8.9%	↓ 63.2%*
Male	40.7%	12.4%	↓ 69.5%*
White	29.2%	8.1%	↓ 72.3%*
Black	35.6%	13.5%	↓ 62.1%*
6th	19.2%	7.3%	↓ 62.0%*
7th	35.5%	7.4%	↓ 79.2%*
8th	40.2%	18.3%	↓ 54.5%*

Frequent Cigar Smoking  
(Public Middle School)

	1998	2019	% Change
Overall	1.7%	0.4%	ns
Female	0.9%	0.1%	ns
Male	2.4%	0.8%	ns
White	1.3%	0.5%	ns
Black	1.7%	0.4%	ns
6th	0.2%	0.2%	ns
7th	1.0%	0.2%	ns
8th	1.9%	1.0%	ns

## KEY

(↓) decrease (\*) significant  
(↑) increase (ns) non-significant



## Mississippi Youth Tobacco Use {2010-2019} Current Electronic Cigarette Smoking - Public High School

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	21.3 (±3.5)	21.6 (±4.4)	11.5 (±2.9)	10.3 (±1.6)	12.0 (±2.1)	10.1 (±2.0)	2.9 (±1.0)	2.7 (±1.2)	2.3 (±1.1)	1.2 (±0.8)
SEX										
FEMALE	21.3 (±4.3)	19.6 (±5.4)	10.0 (±2.8)	9.1 (±2.0)	8.8 (±2.1)	9.0 (±2.2)	2.4 (±1.1)	1.9 (±1.2)	1.1 (±0.8)	1.1 (±1.0)
MALE	21.4 (±4.5)	23.6 (±4.4)	13.3 (±3.9)	11.4 (±2.9)	15.1 (±3.0)	11.3 (±2.9)	3.3 (±1.7)	3.4 (±1.9)	3.6 (±1.8)	1.3 (±0.9)
RACE										
WHITE	33.2 (±5.0)	34.0 (±4.1)	16.7 (±3.9)	15.1 (±2.6)	16.9 (±3.1)	13.6 (±3.7)	5.2 (±2.4)	4.7 (±2.6)	3.4 (±2.2)	1.8 (±1.3)
BLACK	9.2 (±2.3)	9.4 (±3.3)	6.4 (±2.0)	6.7 (±2.7)	5.7 (±1.8)	6.4 (±1.7)	0.8 (±0.8)	0.8 (±0.7)	1.6 (±1.1)	0.6 (±0.9)
GRADE										
9	17.2 (±4.9)	18.1 (±4.3)	9.0 (±2.7)	8.7 (±2.6)	9.1 (±2.5)	8.1 (±3.0)	1.9 (±1.5)	2.6 (±1.6)	1.7 (±1.5)	1.2 (±1.0)
10	17.4 (±4.6)	22.8 (±5.3)	11.7 (±4.2)	10.6 (±3.2)	13.6 (±4.9)	11.2 (±3.1)	2.3 (±1.8)	4.3 (±2.7)	1.9 (±2.0)	0.9 (±1.0)
11	23.0 (±6.6)	24.8 (±9.3)	10.5 (±6.2)	10.4 (±2.9)	10.2 (±5.0)	10.4 (±3.8)	2.7 (±1.6)	2.4 (±1.9)	1.3 (±1.3)	0.3 (±1.0)
12	29.2 (±8.8)	21.1 (±6.1)	15.2 (±5.5)	11.1 (±3.2)	15.3 (±5.2)	11.3 (±6.1)	5.0 (±2.3)	1.1 (±2.1)	4.4 (±3.4)	2.5 (±2.4)

## Mississippi Youth Tobacco Use {2010-2019} Current Electronic Cigarette Smoking - Public Middle School

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	8.6 (±2.0)	7.1 (±1.8)	4.8 (±1.2)	5.9 (±1.8)	4.6 (±1.5)	6.7 (±2.6)	1.5 (±0.7)	1.1 (0.6)	1.0 (±0.7)	0.6 (±0.4)
SEX										
FEMALE	7.4 (±1.9)	7.4 (±2.1)	4.6 (±1.4)	4.6 (±1.9)	4.2 (±1.9)	4.4 (±2.1)	1.0 (±0.9)	1.3 (±1.0)	0.5 (±0.8)	0.5 (±0.6)
MALE	9.4 (±2.5)	6.9 (±2.2)	5.1 (±1.9)	7.1 (±2.6)	5.0 (±1.7)	8.8 (±3.9)	1.9 (±0.9)	0.8 (±0.6)	1.6 (±1.2)	0.8 (±0.4)
RACE										
WHITE	13.2 (±3.0)	9.5 (±2.8)	6.5 (±2.3)	7.6 (±2.7)	5.9 (±2.4)	6.1 (±3.5)	2.0 (±1.2)	1.4 (±1.1)	1.6 (±1.5)	1.1 (±0.7)
BLACK	4.5 (±2.6)	4.7 (±1.3)	2.8 (±1.6)	4.1 (±2.5)	2.8 (±1.7)	7.8 (±3.9)	0.9 (±0.8)	0.2 (±0.4)	0.6 (±0.7)	0.3 (±0.5)
GRADE										
6	4.1 (±2.5)	4.1 (±1.1)	2.2 (±1.8)	4.3 (±2.9)	1.2 (±1.3)	5.3 (±3.7)	1.2 (±0.8)	0.4 (±1.1)	0.4 (±0.7)	0.7 (±1.1)
7	7.4 (±2.6)	6.9 (±2.7)	4.4 (±1.9)	5.1 (±3.0)	5.5 (±2.3)	7.1 (±4.8)	1.0 (±1.1)	0.5 (±0.7)	1.2 (±1.3)	0.3 (±1.3)
8	14.9 (±4.3)	10.3 (±4.9)	8.0 (±2.5)	8.1 (±2.3)	7.1 (±3.3)	7.7 (±4.0)	2.3 (±1.6)	2.3 (±1.2)	1.4 (±1.3)	1.0 (±1.1)

Changes between 2013 and 2014 in the wording and placement of questions about the use of e-cigarettes might have had an impact on reported use of these products.



## Mississippi Youth Tobacco Use {2010-2019} Ever Tried an Electronic Cigarette - Public High School

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	37.7 (±5.0)	38.0 (±5.8)	26.7 (±3.7)	26.9 (±2.7)	26.9 (±3.6)	21.6 (±3.0)	9.7 (±2.6)	8.4 (±3.6)	5.9 (±2.0)	1.9 (±1.1)
SEX										
FEMALE	38.8 (±5.8)	34.6 (±6.8)	26.4 (±4.4)	23.5 (±3.8)	22.6 (±3.2)	19.6 (±3.4)	8.5 (±2.7)	7.5 (±4.4)	2.8 (±1.7)	1.8 (±1.9)
MALE	36.9 (±5.8)	41.4 (±6.1)	27.5 (±4.9)	30.0 (±3.1)	31.4 (±4.9)	23.0 (±4.1)	10.9 (±3.2)	9.2 (±3.8)	9.1 (±3.1)	1.9 (±1.1)
RACE										
WHITE	51.8 (±5.8)	55.4 (±3.3)	36.8 (±4.4)	35.9 (±4.5)	39.4 (±3.1)	31.0 (±3.9)	17.8 (±4.5)	16.1 (±5.7)	11.8 (±3.2)	3.1 (±1.9)
BLACK	23.8 (±3.8)	20.2 (±4.7)	15.8 (±4.0)	17.8 (±2.9)	14.3 (±3.6)	11.1 (±2.8)	2.2 (±1.4)	1.1 (±1.1)	1.3 (±1.2)	0.7 (±0.8)
GRADE										
9	33.2 (±5.7)	34.1 (±5.4)	21.6 (±4.6)	21.1 (±5.1)	22.2 (±5.5)	15.9 (±5.1)	5.6 (±3.0)	6.1 (±3.9)	4.2 (±2.8)	1.6 (±0.9)
10	33.6 (±6.2)	41.4 (±5.5)	26.9 (±4.8)	29.4 (±5.4)	30.0 (±5.9)	23.4 (±5.5)	9.9 (±4.3)	10.1 (±4.6)	6.2 (±3.2)	1.2 (±1.5)
11	39.3 (±9.4)	39.5 (±10.3)	29.3 (±9.2)	30.0 (±4.3)	24.1 (±5.4)	22.3 (±5.6)	8.7 (±4.4)	7.0 (±3.6)	5.5 (±2.2)	1.2 (±1.5)
12	46.5 (±11.0)	37.4 (±8.6)	30.0 (±5.8)	26.8 (±6.0)	31.7 (±7.9)	26.6 (±7.4)	15.7 (±5.9)	10.9 (±9.0)	8.5 (±4.6)	3.8 (±4.7)

## Mississippi Youth Tobacco Use {2010-2019} Ever Tried an Electronic Cigarette - Public Middle School

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	18.8 (±3.0)	16.6 (±2.9)	12.0 (±2.6)	13.8 (±2.9)	12.0 (±2.0)	10.7 (±3.0)	3.2 (±1.2)	3.5 (±1.4)	2.0 (±0.9)	0.9 (±0.6)
SEX										
FEMALE	17.2 (±3.1)	16.8 (±3.3)	12.0 (±3.2)	10.5 (±2.6)	9.8 (±2.2)	6.7 (±2.5)	3.3 (±1.5)	3.6 (±1.8)	1.2 (±0.9)	0.7 (±0.8)
MALE	20.4 (±3.7)	16.5 (±3.2)	11.9 (±3.2)	17.0 (±4.4)	14.0 (±2.9)	14.7 (±4.5)	3.2 (±1.5)	3.5 (±1.8)	2.8 (±1.7)	1.0 (±0.8)
RACE										
WHITE	25.6 (±4.1)	21.0 (±4.7)	16.4 (±3.8)	17.8 (±5.0)	15.3 (±3.0)	11.8 (±3.9)	5.2 (±1.9)	5.1 (±2.3)	2.8 (±1.6)	1.4 (±1.2)
BLACK	13.5 (±4.0)	12.1 (±2.0)	8.1 (±3.3)	9.5 (±3.1)	8.1 (±2.1)	9.9 (±4.8)	1.2 (±0.9)	1.5 (±0.6)	1.2 (±1.1)	0.4 (±0.5)
GRADE										
6	13.0 (±4.4)	12.0 (±2.9)	7.3 (±2.6)	8.6 (±3.5)	7.4 (±2.2)	8.4 (±4.2)	1.8 (±1.1)	2.1 (±1.4)	1.4 (±1.3)	0.8 (±1.0)
7	15.6 (±3.2)	15.5 (±5.0)	12.0 (±4.2)	13.8 (±3.1)	11.8 (±2.4)	11.2 (±6.4)	3.4 (±2.1)	3.2 (±2.2)	2.3 (±1.5)	0.5 (±1.1)
8	29.0 (±5.2)	22.4 (±5.9)	16.5 (±4.5)	18.8 (±5.1)	16.5 (±4.4)	12.5 (±5.1)	4.6 (±1.5)	5.4 (±2.5)	2.0 (±1.5)	1.3 (±1.2)

Changes between 2013 and 2014 in the wording and placement of questions about the use of e-cigarettes might have had an impact on reported use of these products.





## Mississippi Youth Tobacco Use {2014-2019} Frequent Electronic Cigarette Smoking - Public High School

	2019	2018	2017	2016	2015	2014
TOTAL	7.3 (±1.7)	6.6 (±2.0)	3.5 (±1.6)	1.9 (±0.8)	2.1 (±1.1)	1.6 (±0.9)
SEX						
FEMALE	5.2 (±2.0)	5.1 (±2.3)	2.6 (±1.4)	1.0 (±1.1)	1.6 (±1.0)	0.9 (0.9)
MALE	9.5 (±2.2)	8.2 (±2.7)	4.5 (±2.2)	2.8 (±1.3)	2.5 (±1.5)	2.2 (±1.3)
RACE						
WHITE	12.0 (±3.2)	12.5 (±2.5)	5.2 (±2.5)	3.1 (±1.7)	2.7 (±1.7)	1.8 (±1.3)
BLACK	2.1 (±1.0)	1.4 (±0.8)	1.6 (±1.0)	0.9 (±1.0)	1.1 (±0.8)	0.9 (±0.9)
GRADE						
9	3.1 (±1.7)	4.1 (±2.0)	2.1 (±1.3)	1.5 (±1.2)	1.9 (±1.6)	0.7 (±1.0)
10	6.2 (±1.9)	6.5 (±2.9)	2.8 (±1.9)	1.3 (±1.5)	3.0 (±2.6)	1.5 (±1.2)
11	9.1 (±3.5)	7.9 (±3.9)	4.2 (±3.1)	3.0 (±2.4)	1.4 (±1.5)	2.2 (±1.5)
12	11.8 (±5.3)	8.1 (±4.1)	5.0 (±3.4)	2.3 (±1.5)	1.6 (±1.5)	2.1 (±2.3)

## Mississippi Youth Tobacco Use {2014-2019} Frequent Electronic Cigarette Smoking - Public Middle School

	2019	2018	2017	2016	2015	2014
TOTAL	1.4 (±1.0)	1.0 (±0.4)	1.2 (±0.6)	0.9 (±0.4)	0.6 (±0.5)	1.1 (±0.7)
SEX						
FEMALE	1.3 (±1.1)	0.7 (±0.6)	1.4 (±0.9)	0.4 (0.2)	0.3 (±0.4)	0.4 (±0.8)
MALE	1.4 (±1.2)	1.1 (±0.5)	1.0 (±0.7)	1.4 (0.7)	0.8 (±0.7)	1.6 (±1.3)
RACE						
WHITE	2.3 (±1.7)	1.4 (±0.8)	1.9 (±0.8)	0.8 (±0.9)	1.0 (±0.9)	1.1 (±1.6)
BLACK	0.5 (±0.7)	0.3 (±0.4)	0.3 (±0.5)	0.6 (±0.6)	0.1 (±0.5)	1.0 (±0.9)
GRADE						
6	0.2 (±0.3)	0.4 (±0.5)	0.0 (±0.0)	0.3 (±0.6)	0.1 (±0.2)	0.4 (±0.8)
7	0.3 (±0.4)	0.8 (±0.7)	0.6 (±0.6)	0.9 (±0.9)	0.9 (±0.9)	0.8 (±1.3)
8	4.1 (±2.5)	1.8 (±1.3)	3.0 (±1.6)	1.5 (±1.3)	0.7 (±0.9)	2.2 (±2.6)



## Mississippi Youth Tobacco Use {1998-2019} Current Cigarette Smoking - Public High School

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	6.5 (±1.5)	6.9 (±1.9)	7.2 (±1.9)	9.4 (±1.8)	9.9 (±1.9)	12.2 (±2.5)	13.3 (±3.0)	18.1 (±4.0)	19.0 (±3.8)	19.7 (±2.5)
SEX										
FEMALE	4.3 (±1.6)	6.0 (±2.0)	6.2 (±2.1)	9.0 (±2.8)	5.9 (±1.7)	9.6 (±2.4)	11.4 (±3.7)	15.8 (±4.6)	13.9 (±3.3)	17.8 (±3.6)
MALE	8.6 (±2.1)	7.9 (±2.7)	8.2 (±2.0)	9.9 (±1.9)	14.1 (±3.0)	14.9 (±3.3)	15.2 (±3.2)	20.3 (±4.9)	24.3 (±5.3)	21.5 (±3.0)
RACE										
WHITE	9.0 (±1.9)	11.2 (±3.0)	12.4 (±2.0)	14.9 (±3.7)	16.0 (±2.2)	17.5 (±4.3)	20.2 (±3.9)	25.6 (±6.0)	27.9 (±4.5)	29.0 (±3.3)
BLACK	3.2 (±1.4)	2.4 (±1.1)	2.0 (±1.0)	4.4 (±1.5)	3.4 (±1.8)	7.1 (±1.7)	7.1 (±2.9)	11.2 (±3.1)	11.1 (±3.6)	11.1 (±2.1)
GRADE										
9	5.4 (±2.7)	3.9 (±2.1)	3.3 (±1.5)	5.2 (±2.3)	6.8 (±2.4)	8.9 (±2.7)	6.9 (±3.9)	10.8 (±3.6)	12.8 (±5.8)	14.7 (±4.2)
10	6.3 (±2.3)	6.5 (±2.7)	6.3 (±2.7)	7.4 (±2.8)	11.4 (±3.5)	9.7 (±3.1)	12.5 (±5.1)	20.8 (±6.4)	19.2 (±5.7)	20.0 (±4.7)
11	5.8 (±2.5)	8.3 (±4.3)	8.0 (±4.2)	12.2 (±4.2)	7.6 (±3.3)	12.8 (±5.5)	14.7 (±4.8)	19.6 (±5.9)	19.4 (±5.2)	22.0 (±4.1)
12	8.5 (±3.8)	9.4 (±2.7)	11.7 (±3.3)	14.0 (±4.7)	14.4 (±5.4)	19.7 (±7.0)	21.3 (±5.3)	22.6 (±9.3)	27.0 (±5.1)	23.9 (±6.3)

	2009	2008	2006	2004	2003	2002	2000	1999	1998
TOTAL	18.8 (±2.2)	20.2 (±4.4)	18.7 (±5.1)	22.1 (±2.6)	23.4 (±1.5)	23.1 (±2.6)	29.2 (±3.6)	32.5 (±3.3)	30.3 (±3.0)
SEX									
FEMALE	15.6 (±3.0)	15.7 (±3.8)	16.9 (±5.5)	19.7 (±2.9)	20.6 (±2.0)	21.1 (±3.6)	26.2 (±5.9)	30.7 (±5.2)	27.1 (±4.6)
MALE	22.2 (±3.1)	24.8 (±5.8)	20.1 (±5.5)	24.3 (±3.1)	26.0 (±1.9)	25.1 (±3.1)	32.3 (±4.6)	34.4 (±4.2)	33.9 (±4.0)
RACE									
WHITE	27.6 (±3.7)	28.9 (±5.4)	25.9 (±4.7)	29.9 (±3.8)	31.0 (±2.3)	29.3 (±2.7)	41.7 (±5.9)	42.7 (±4.8)	43.8 (±4.2)
BLACK	9.8 (±2.5)	10.1 (±6.0)	11.6 (±3.5)	14.1 (±2.8)	14.1 (±1.4)	16.7 (±4.0)	13.3 (±3.0)	16.6 (±3.2)	14.2 (±2.7)
GRADE									
9	14.4 (±3.5)	17.7 (±7.4)	17.0 (±4.3)	19.8 (±4.3)	22.4 (±2.6)	20.0 (±4.4)	25.3 (±5.3)	28.2 (±4.1)	27.6 (±5.0)
10	20.0 (±3.3)	19.0 (±6.1)	12.9 (±7.4)	22.9 (±4.3)	21.8 (±2.4)	19.7 (±2.7)	27.6 (±5.5)	30.3 (±5.6)	31.4 (±6.6)
11	19.8 (±3.1)	15.5 (±7.5)	20.1 (±5.9)	22.7 (±4.6)	24.2 (±2.8)	27.1 (±5.9)	32.9 (±8.5)	38.3 (±8.3)	33.5 (±6.5)
12	22.8 (±6.3)	29.9 (±8.2)	27.5 (±6.1)	24.6 (±6.4)	25.5 (±2.4)	26.6 (±5.8)	32.6 (±8.9)	35.1 (±6.7)	29.4 (±6.8)



Mississippi Youth Tobacco Use {1998-2019} Current Cigarette Smoking - Public Middle School

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	3.0 (±1.3)	2.5 (±0.9)	1.5 (±0.7)	3.8 (±1.0)	3.0 (±0.9)	4.7 (±1.5)	4.1 (±1.3)	5.8 (±1.8)	5.8 (±1.8)	5.7 (±1.5)
SEX										
FEMALE	2.1 (±1.3)	2.1 (±1.4)	1.1 (±0.6)	2.5 (±1.0)	2.5 (±1.2)	3.2 (±1.4)	3.4 (±1.6)	5.0 (±2.0)	4.7 (±2.5)	4.4 (±1.8)
MALE	3.8 (±2.0)	2.7 (±0.9)	1.8 (±1.0)	4.9 (±2.0)	3.5 (±1.1)	6.2 (±2.3)	4.6 (±1.5)	6.6 (±2.4)	6.7 (±2.2)	6.8 (±1.9)
RACE										
WHITE	3.1 (±1.9)	2.4 (±1.1)	2.2 (±1.3)	4.1 (±1.2)	4.1 (±1.4)	4.9 (±2.7)	4.9 (±1.8)	7.7 (±2.7)	6.0 (±2.1)	6.2 (±2.0)
BLACK	3.1 (±1.8)	1.9 (±1.0)	0.7 (±0.4)	3.3 (±1.7)	1.9 (±1.2)	4.4 (±2.0)	3.1 (±1.4)	3.8 (±2.0)	5.1 (±2.5)	5.2 (±2.4)
GRADE										
6	3.5 (±3.0)	1.9 (±1.2)	1.0 (±0.8)	2.6 (±2.0)	1.0 (±0.8)	2.2 (±2.0)	2.9 (±1.2)	2.8 (±1.9)	2.4 (±1.2)	2.8 (±1.8)
7	1.7 (±1.1)	2.7 (±1.4)	1.3 (±1.3)	4.1 (±1.9)	3.4 (±1.6)	3.9 (±2.0)	3.5 (±1.6)	4.4 (±2.5)	5.6 (±2.1)	6.5 (±1.7)
8	4.1 (±2.5)	3.0 (±2.2)	2.1 (±1.7)	4.5 (±1.8)	4.5 (±1.7)	8.0 (±3.6)	6.0 (±2.2)	10.6 (±3.2)	8.0 (±3.9)	7.8 (±3.2)

	2009	2008	2006	2004	2003	2002	2000	1999	1998
TOTAL	7.2 (±1.7)	8.9 (±2.0)	8.4 (±1.6)	12.0 (±2.0)	11.0 (±1.2)	11.9 (±1.6)	18.1 (±2.3)	23.0 (±3.2)	20.6 (±3.1)
SEX									
FEMALE	6.2 (±1.8)	6.9 (±2.8)	7.8 (±2.4)	11.0 (±2.5)	9.8 (±1.3)	11.5 (±2.0)	16.9 (±2.6)	19.4 (±2.6)	18.2 (±4.8)
MALE	8.0 (±2.5)	11.0 (±2.3)	9.0 (±2.6)	12.8 (±2.8)	12.0 (±1.4)	12.1 (±1.8)	19.2 (±3.5)	26.1 (±4.8)	23.0 (±3.4)
RACE									
WHITE	8.8 (±3.1)	11.2 (±3.0)	9.9 (±2.6)	13.5 (±3.4)	10.7 (±1.5)	13.3 (±2.0)	20.9 (±3.6)	23.4 (±3.7)	22.8 (±4.4)
BLACK	5.6 (±2.0)	6.9 (±1.9)	7.0 (±2.3)	10.2 (±2.1)	10.8 (±1.4)	8.8 (±2.9)	15.0 (±3.5)	21.8 (±5.0)	17.6 (±4.0)
GRADE									
6	3.6 (±2.0)	4.4 (±2.8)	4.0 (±2.1)	6.8 (±1.9)	7.1 (±1.3)	8.8 (±2.1)	13.6 (±4.2)	17.7 (±4.5)	11.9 (±4.7)
7	6.7 (±2.7)	10.1 (±3.1)	7.2 (±2.2)	13.6 (±3.5)	10.8 (±1.8)	14.9 (±2.7)	22.0 (±2.7)	21.8 (±4.1)	21.8 (±7.7)
8	11.1 (±3.6)	12.5 (±3.8)	13.5 (±2.6)	15.1 (±4.5)	14.9 (±1.8)	14.7 (±3.7)	18.5 (±4.1)	29.0 (±5.2)	25.8 (±5.3)



## Mississippi Youth Tobacco Use {1998-2019} Ever Tried a Cigarette - Public High School

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	22.5 (±3.2)	26.5 (±4.5)	32.9 (±4.0)	32.1 (±2.6)	35.8 (±5.0)	37.4 (±3.7)	39.8 (±5.3)	46.7 (±3.2)	46.8 (±5.1)	51.2 (±3.2)
SEX										
FEMALE	21.8 (±4.7)	23.9 (±4.7)	33.6 (±4.3)	30.4 (±4.4)	28.0 (±5.4)	33.4 (±3.7)	36.6 (±5.6)	42.7 (±4.2)	41.8 (±5.4)	48.7 (±4.0)
MALE	23.0 (±3.1)	29.4 (±5.6)	32.7 (±5.2)	33.6 (±2.9)	43.2 (±6.1)	41.0 (±4.9)	43.0 (±6.1)	50.7 (±4.7)	52.4 (±6.4)	53.5 (±4.7)
RACE										
WHITE	29.8 (±4.6)	36.2 (±4.5)	41.8 (±3.3)	41.1 (±4.5)	44.2 (±5.8)	43.0 (±4.5)	45.3 (±6.2)	51.8 (±5.7)	55.5 (±5.7)	59.0 (±5.0)
BLACK	14.5 (±4.0)	16.4 (±3.6)	24.0 (±4.5)	23.3 (±2.9)	26.7 (±5.6)	31.3 (±4.0)	34.7 (±5.9)	41.6 (±4.6)	38.8 (±5.7)	44.0 (±4.0)
GRADE										
9	18.9 (±3.9)	24.7 (±5.9)	23.8 (±3.3)	26.8 (±5.8)	26.1 (±6.5)	30.3 (±5.9)	27.2 (±7.9)	35.2 (±5.8)	41.9 (±8.7)	42.9 (±5.4)
10	19.3 (±3.7)	24.3 (±5.2)	31.9 (±7.1)	29.3 (±5.5)	37.3 (±5.8)	37.1 (±6.7)	42.3 (±6.4)	50.5 (±7.5)	48.5 (±10.0)	49.9 (±5.3)
11	23.6 (±7.9)	28.8 (±8.7)	34.4 (±7.1)	37.1 (±6.9)	38.6 (±7.4)	39.8 (±5.9)	44.0 (±9.9)	49.1 (±5.6)	43.4 (±8.4)	56.6 (±6.8)
12	29.2 (±10.0)	28.5 (±7.7)	43.4 (±5.0)	37.0 (±6.1)	44.0 (±12.2)	44.4 (±8.6)	48.3 (±8.4)	54.4 (±10.9)	55.2 (±6.1)	58.7 (±5.9)

	2009	2008	2006	2004	2003	2002	2000	1999	1998
TOTAL	48.0 (±3.1)	54.0 (±4.5)	61.2 (±3.9)	59.4 (±2.5)	60.7 (±1.7)	61.5 (±2.5)	71.5 (±2.2)	77.2 (±2.4)	75.6 (±3.0)
SEX									
FEMALE	43.5 (±4.1)	48.2 (±4.2)	61.0 (±6.9)	54.8 (±3.5)	57.4 (±2.6)	59.3 (±2.9)	70.0 (±4.0)	73.6 (±3.9)	72.6 (±3.7)
MALE	53.1 (±3.6)	59.7 (±6.3)	61.2 (±4.2)	63.9 (±3.3)	64.2 (±1.8)	64.0 (±3.7)	73.1 (±2.9)	80.9 (±3.1)	78.7 (±3.3)
RACE									
WHITE	53.2 (±5.0)	56.2 (±6.3)	67.1 (±8.6)	64.3 (±3.6)	63.1 (±2.1)	61.4 (±3.5)	75.5 (±4.9)	81.0 (±3.2)	79.4 (±3.3)
BLACK	42.6 (±4.1)	50.9 (±7.4)	56.0 (±3.4)	54.2 (±4.2)	57.5 (±2.7)	61.1 (±3.8)	65.9 (±3.8)	72.3 (±4.4)	70.6 (±4.5)
GRADE									
9	42.3 (±4.8)	51.0 (±9.3)	59.8 (±6.9)	56.3 (±4.8)	57.9 (±3.1)	54.5 (±4.9)	69.3 (±3.5)	75.2 (±3.1)	73.1 (±4.3)
10	50.4 (±4.3)	52.1 (±6.8)	57.2 (±5.6)	58.7 (±5.4)	59.6 (±2.6)	62.4 (±3.7)	69.3 (±4.5)	77.7 (±6.8)	75.0 (±7.7)
11	48.0 (±7.1)	48.9 (±8.3)	65.8 (±10.5)	58.4 (±6.8)	62.3 (±2.9)	65.0 (±5.2)	72.7 (±8.3)	75.8 (±6.9)	76.9 (±5.3)
12	53.3 (±6.5)	66.7 (±7.1)	63.9 (±7.2)	67.1 (±4.9)	64.5 (±2.6)	66.5 (±4.1)	75.9 (±6.8)	80.8 (±4.6)	78.2 (±5.6)



Mississippi Youth Tobacco Use {1998-2019} Ever Tried a Cigarette - Public Middle School

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	13.4 (±3.5)	12.9 (±2.3)	12.7 (±2.7)	17.0 (±3.2)	15.0 (±2.5)	19.3 (±4.7)	16.8 (±3.3)	20.8 (±4.5)	23.3 (±4.7)	23.9 (±3.3)
SEX										
FEMALE	10.8 (±3.0)	11.6 (±2.3)	11.3 (±3.0)	13.3 (±2.6)	13.6 (±3.5)	15.0 (±4.0)	14.5 (±3.3)	17.9 (±4.0)	21.6 (±4.8)	21.7 (±4.3)
MALE	15.9 (±4.5)	14.2 (±2.8)	14.0 (±3.4)	20.9 (±5.0)	16.4 (±2.9)	23.7 (±6.8)	19.0 (±3.8)	23.7 (±5.8)	24.8 (±5.3)	26.1 (±3.5)
RACE										
WHITE	15.4 (±4.4)	13.7 (±3.6)	11.8 (±4.0)	17.2 (±4.1)	16.2 (±3.0)	17.3 (±5.0)	18.0 (±4.3)	25.2 (±5.5)	22.2 (±6.5)	25.4 (±4.6)
BLACK	12.3 (±4.4)	11.9 (±2.4)	13.0 (±3.7)	16.5 (±4.2)	13.8 (±4.8)	21.8 (±7.7)	15.1 (±3.7)	16.5 (±5.0)	24.3 (±5.2)	22.3 (±4.5)
GRADE										
6	10.5 (±4.9)	9.9 (±2.8)	7.1 (±3.2)	15.2 (±4.9)	8.0 (±3.0)	13.5 (±6.2)	11.6 (±3.9)	12.0 (±5.1)	13.1 (±6.3)	14.9 (±5.2)
7	11.2 (±3.3)	13.1 (±5.5)	11.8 (±3.9)	14.7 (±3.7)	14.2 (±2.6)	20.5 (±9.7)	14.8 (±3.2)	20.8 (±5.2)	23.0 (±4.4)	23.8 (±5.1)
8	19.2 (±6.1)	15.8 (±4.3)	19.5 (±4.1)	21.0 (±4.5)	22.1 (±4.7)	24.1 (±6.1)	24.1 (±5.2)	30.2 (±7.4)	32.0 (±9.2)	33.1 (±6.4)

	2009	2008	2006	2004	2003	2002	2000	1999	1998
TOTAL	25.9 (±3.5)	34.8 (±4.8)	33.3 (±5.1)	38.9 (±3.9)	36.3 (±2.5)	40.9 (±3.5)	53.4 (±3.3)	57.2 (±4.2)	54.3 (±4.1)
SEX									
FEMALE	23.8 (±4.5)	29.9 (±5.6)	32.3 (±6.2)	36.4 (±3.9)	33.6 (±2.7)	38.5 (±4.6)	48.6 (±3.4)	53.7 (±5.1)	51.2 (±5.3)
MALE	27.9 (±3.8)	39.4 (±4.8)	34.4 (±6.1)	41.5 (±5.0)	39.0 (±2.9)	43.5 (±3.2)	58.1 (±4.8)	60.3 (±4.9)	57.3 (±4.3)
RACE									
WHITE	24.4 (±5.3)	31.9 (±6.0)	30.4 (±6.5)	36.2 (±5.8)	33.3 (±3.0)	39.4 (±3.6)	50.1 (±4.6)	55.7 (±3.2)	52.0 (±6.6)
BLACK	26.7 (±4.4)	37.0 (±5.0)	36.2 (±6.2)	41.5 (±2.9)	39.3 (±2.7)	41.8 (±5.8)	56.7 (±7.9)	58.3 (±7.6)	56.3 (±7.1)
GRADE									
6	18.2 (±4.0)	22.5 (±6.7)	19.3 (±4.7)	29.1 (±5.5)	25.5 (±3.1)	32.8 (±4.9)	40.5 (±7.3)	45.1 (±5.2)	41.8 (±4.9)
7	24.9 (±6.1)	36.6 (±5.6)	36.3 (±6.9)	41.5 (±5.3)	37.0 (±3.5)	46.9 (±5.1)	57.9 (±5.8)	59.4 (±5.7)	55.0 (±7.1)
8	34.3 (±5.4)	45.5 (±6.8)	43.2 (±7.3)	45.9 (±5.1)	46.8 (±2.6)	50.7 (±4.5)	61.4 (±5.4)	66.3 (±6.2)	64.0 (±5.6)



## Mississippi Youth Tobacco Use {1998-2019} Frequent Cigarette Smoking - Public High School

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	1.4 (±0.7)	1.9 (±0.8)	1.7 (±0.7)	2.7 (±1.0)	2.9 (±1.2)	4.2 (±1.8)	4.3 (±1.4)	6.8 (±2.2)	6.5 (±1.8)	7.0 (±1.6)
SEX										
FEMALE	0.8 (±0.7)	1.3 (±0.7)	1.8 (±0.9)	2.9 (±1.6)	1.8 (±1.2)	3.8 (±2.1)	4.5 (±1.7)	6.2 (±2.8)	4.5 (±1.8)	6.6 (±1.9)
MALE	2.0 (±1.2)	2.4 (±1.4)	1.8 (±0.9)	2.4 (±1.1)	4.1 (±1.7)	4.5 (±2.0)	4.1 (±1.5)	7.3 (±2.6)	8.6 (±2.4)	7.6 (±1.8)
RACE										
WHITE	1.5 (±1.1)	3.0 (±1.5)	2.6 (±1.0)	4.8 (±2.0)	4.4 (±2.0)	7.0 (±3.5)	7.5 (±1.7)	10.9 (±4.3)	11.0 (±2.8)	11.8 (±2.8)
BLACK	0.8 (±0.7)	0.6 (±0.6)	0.8 (±0.6)	0.8 (±0.6)	1.0 (±0.8)	1.3 (±0.8)	1.3 (±1.0)	3.2 (±1.1)	2.4 (±1.3)	2.5 (±1.2)
GRADE										
9	0.8 (±0.9)	1.4 (±1.0)	1.0 (±1.0)	0.9 (±0.7)	1.4 (±1.0)	2.9 (±2.1)	1.5 (±1.7)	2.7 (±1.5)	3.4 (±1.9)	4.7 (±2.6)
10	1.1 (±1.0)	1.1 (±1.2)	1.3 (±1.0)	1.4 (±1.0)	3.3 (±2.3)	2.8 (±1.5)	4.4 (±2.1)	7.1 (±3.5)	4.9 (±2.8)	6.2 (±2.5)
11	1.7 (±1.2)	2.4 (±1.7)	1.1 (±1.0)	2.8 (±2.1)	2.4 (±1.9)	4.6 (±2.3)	4.7 (±2.6)	6.3 (±3.2)	6.2 (±2.7)	7.5 (±3.1)
12	2.0 (±1.8)	2.7 (±1.5)	3.4 (±1.6)	6.1 (±2.7)	4.9 (±2.7)	7.3 (±5.2)	7.4 (±3.1)	12.5 (±7.3)	12.9 (±4.0)	10.9 (±5.0)

	2009	2008	2006	2004	2003	2002	2000	1999	1998
TOTAL	7.8 (±1.9)	7.8 (±2.6)	7.6 (±1.9)	9.4 (±1.7)	10.1 (±1.0)	9.0 (±1.6)	13.8 (±3.0)	16.6 (±3.0)	14.3 (±3.0)
SEX									
FEMALE	7.4 (±2.5)	6.9 (±2.8)	5.5 (±2.9)	7.7 (±2.1)	9.1 (±1.2)	7.8 (±1.9)	12.5 (±3.6)	16.9 (±4.2)	11.6 (±2.3)
MALE	8.2 (±2.5)	9.0 (±3.3)	9.8 (±2.2)	11.1 (±2.5)	11.0 (±1.4)	10.4 (±2.5)	15.1 (±3.3)	16.1 (±3.6)	17.3 (±3.3)
RACE									
WHITE	12.9 (±2.8)	13.2 (±4.4)	10.9 (±3.7)	13.9 (±2.8)	14.9 (±1.7)	13.9 (±2.2)	21.6 (±4.4)	24.8 (±4.3)	23.2 (±4.5)
BLACK	2.5 (±1.5)	2.4 (±1.8)	4.3 (±2.2)	4.7 (±1.5)	4.1 (±0.8)	4.4 (±1.7)	4.3 (±2.1)	4.1 (±1.2)	3.4 (±2.2)
GRADE									
9	5.4 (±2.1)	5.4 (±2.7)	7.1 (±2.1)	7.8 (±2.1)	7.5 (±1.5)	7.7 (±2.7)	11.1 (±5.1)	12.0 (±3.8)	8.3 (±2.7)
10	7.6 (±3.1)	6.2 (±3.3)	5.5 (±4.5)	9.5 (±2.8)	8.6 (±1.3)	7.8 (±1.9)	14.3 (±4.8)	14.8 (±4.0)	16.7 (±5.0)
11	8.2 (±3.6)	6.6 (±5.1)	7.0 (±2.7)	9.5 (±2.9)	11.2 (±1.9)	7.9 (±3.3)	17.0 (±6.3)	20.2 (±9.0)	17.9 (±5.6)
12	11.3 (±3.5)	14.9 (±4.5)	12.2 (±3.4)	12.2 (±4.3)	14.5 (±2.1)	12.8 (±3.8)	13.9 (±5.9)	21.8 (±7.0)	16.1 (±5.4)



## Mississippi Youth Tobacco Use {1998-2019} Frequent Cigarette Smoking - Public Middle School

## APPENDIX { CIGARETTES }

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	0.4 (±0.3)	0.2 (±0.2)	0.3 (±0.3)	0.4 (±0.3)	0.3 (±0.2)	0.6 (±0.5)	0.7 (±0.4)	0.7 (±0.4)	1.3 (±0.8)	0.9 (±0.4)
SEX										
FEMALE	0.2 (±0.3)	0.2 (±0.2)	0.2 (±0.2)	0.2 (±0.3)	0.1 (±0.2)	0.4 (±0.5)	0.4 (±0.4)	1.0 (±0.7)	0.4 (±0.4)	0.4 (±0.3)
MALE	0.5 (±0.5)	0.2 (±0.2)	0.5 (±0.5)	0.7 (±0.6)	0.5 (±0.5)	0.8 (±0.8)	1.0 (±0.7)	0.3 (±0.4)	2.0 (±1.6)	1.4 (±0.8)
RACE										
WHITE	0.5 (±0.5)	0.4 (±0.3)	0.6 (±0.6)	0.6 (±0.6)	0.6 (±0.4)	1.1 (±1.0)	1.2 (±0.9)	1.0 (±0.8)	1.3 (±0.8)	1.3 (±0.8)
BLACK	0.3 (±0.3)	0.1 (±0.2)	0.0 (±0.0)	0.2 (±0.3)	0.0 (±0.0)	0.0 (±0.0)	0.2 (±0.4)	0.1 (±0.2)	1.0 (±1.3)	0.3 (±0.4)
GRADE										
6	0.4 (±0.5)	0.1 (±0.2)	0.0 (±0.0)	0.4 (±0.5)	0.0 (±0.0)	0.0 (±0.0)	0.5 (±0.7)	0.4 (±0.7)	0.8 (±0.8)	0.6 (±0.6)
7	0.2 (±0.2)	0.4 (±0.4)	0.4 (±0.6)	0.2 (±0.4)	0.4 (±0.3)	0.6 (±0.7)	0.5 (±0.6)	0.4 (±0.4)	1.3 (±0.7)	0.7 (±0.6)
8	0.6 (±0.7)	0.2 (±0.3)	0.5 (±0.6)	0.7 (±0.8)	0.6 (±0.6)	1.2 (±0.9)	1.1 (±1.1)	1.3 (±0.9)	0.8 (±0.5)	1.4 (±1.0)

	2009	2008	2006	2004	2003	2002	2000	1999	1998
TOTAL	1.9 (±0.8)	1.5 (±0.7)	1.9 (±0.9)	3.0 (±0.7)	2.3 (±0.4)	2.7 (±0.9)	3.8 (±1.1)	4.8 (±1.2)	5.2 (±2.2)
SEX									
FEMALE	1.8 (±0.8)	0.6 (±0.5)	1.9 (±1.0)	2.6 (±1.2)	1.6 (±0.5)	2.2 (±0.8)	3.6 (±1.2)	3.6 (±1.0)	3.6 (±2.7)
MALE	2.0 (±1.2)	2.4 (±1.1)	1.9 (±1.2)	3.2 (±0.8)	2.9 (±0.6)	3.2 (±1.2)	4.1 (±1.3)	5.9 (±1.9)	6.8 (±3.1)
RACE									
WHITE	3.2 (±1.7)	2.1 (±1.2)	3.5 (±1.4)	4.1 (±1.6)	2.8 (±0.7)	3.8 (±1.6)	5.9 (±1.9)	6.9 (±1.6)	6.4 (±3.5)
BLACK	0.7 (±0.8)	0.8 (±0.6)	0.3 (±0.4)	1.8 (±0.5)	1.6 (±0.5)	1.4 (±0.8)	1.7 (±0.9)	1.7 (±1.2)	2.6 (±1.8)
GRADE									
6	0.7 (±0.6)	0.6 (±0.6)	0.7 (±0.7)	1.1 (±0.9)	1.3 (±0.4)	1.3 (±0.8)	2.8 (±2.1)	2.7 (±1.5)	1.2 (±0.6)
7	2.1 (±1.1)	1.2 (±0.8)	1.2 (±0.8)	3.0 (±1.2)	1.8 (±0.4)	3.4 (±1.0)	4.0 (±1.8)	4.1 (±1.9)	5.1 (±3.2)
8	3.0 (±1.6)	2.7 (±1.6)	3.5 (±1.9)	4.7 (±2.0)	3.8 (±1.0)	5.2 (±2.2)	4.8 (±1.5)	7.5 (±2.1)	7.1 (±3.1)





Mississippi Youth Tobacco Use {1998-2019} Current Smokeless Tobacco Use - Public High School

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	4.2 (±1.0)	5.4 (±1.6)	6.6 (±1.5)	7.1 (±1.7)	7.7 (±2.2)	8.0 (±1.8)	8.0 (±2.1)	9.6 (±2.9)	9.9 (±2.3)	9.6 (±2.9)
SEX										
FEMALE	0.8 (±0.7)	1.3 (±0.7)	3.1 (±1.7)	1.6 (±1.0)	1.5 (±1.1)	2.0 (±1.1)	2.4 (±1.3)	1.7 (±0.8)	2.0 (±1.0)	2.7 (±1.3)
MALE	7.8 (±1.6)	9.6 (±3.1)	10.2 (±2.6)	12.5 (±2.8)	13.9 (±3.7)	13.9 (±3.3)	13.6 (±3.3)	17.6 (±5.3)	18.0 (±4.6)	16.6 (±5.2)
RACE										
WHITE	6.4 (±1.6)	8.6 (±2.5)	10.1 (±1.8)	12.6 (±2.5)	13.5 (±2.8)	13.3 (±2.6)	14.5 (±3.1)	16.8 (±3.4)	17.3 (±3.5)	15.9 (±5.0)
BLACK	1.7 (±0.7)	2.0 (±1.5)	3.1 (±1.7)	1.7 (±1.0)	1.7 (±1.6)	2.7 (±1.1)	2.2 (±1.3)	3.0 (±1.3)	3.2 (±1.2)	3.8 (±1.2)
GRADE										
9	4.2 (±2.3)	3.8 (±1.8)	5.5 (±1.7)	6.2 (±1.5)	6.4 (±2.4)	6.0 (±2.5)	7.9 (±3.9)	7.0 (±2.4)	9.6 (±4.0)	8.1 (±3.0)
10	3.4 (±1.6)	5.3 (±2.4)	6.4 (±2.1)	5.7 (±2.4)	9.4 (±4.5)	5.9 (±3.4)	8.6 (±3.4)	13.3 (±6.6)	7.8 (±2.6)	10.4 (±3.7)
11	3.8 (±1.8)	6.2 (±3.3)	5.7 (±3.7)	8.3 (±3.3)	4.6 (±3.1)	10.5 (±3.0)	6.5 (±3.5)	6.4 (±2.3)	10.8 (±4.8)	12.0 (±4.7)
12	5.7 (±3.2)	6.2 (±2.3)	8.9 (±3.1)	8.2 (±4.1)	10.1 (±5.8)	10.6 (±5.6)	8.9 (±3.8)	12.1 (±7.6)	12.0 (±3.0)	8.1 (±4.6)

	2009	2008	2006	2004	2003	2002	2000	1999	1998
TOTAL	9.8 (±2.3)	13.8 (±3.5)	9.7 (±2.3)	11.8 (±2.3)	10.4 (±1.3)	9.6 (±1.7)	9.1 (±2.3)	9.6 (±1.7)	9.4 (±2.8)
SEX									
FEMALE	3.4 (±1.4)	7.8 (±3.5)	5.3 (±2.7)	4.5 (±1.2)	2.8 (±0.8)	4.2 (±1.5)	1.3 (±0.8)	1.7 (±1.7)	1.3 (±1.7)
MALE	16.7 (±4.0)	20.1 (±4.8)	13.9 (±6.7)	18.4 (±4.3)	18.2 (±2.3)	15.1 (±2.9)	16.9 (±4.3)	18.2 (±3.1)	18.1 (±4.3)
RACE									
WHITE	16.7 (±3.3)	19.1 (±4.1)	13.8 (±4.0)	17.3 (±2.9)	15.1 (±2.0)	14.5 (±1.6)	14.6 (±3.7)	13.5 (±2.4)	16.0 (±4.0)
BLACK	2.9 (±1.6)	7.8 (±5.8)	5.4 (±1.9)	5.9 (±1.6)	4.6 (±1.1)	4.4 (±1.5)	2.2 (±0.9)	2.9 (±1.2)	1.5 (±1.5)
GRADE									
9	10.0 (±3.8)	12.5 (±4.4)	8.8 (±8.0)	10.8 (±3.3)	10.0 (±1.5)	8.4 (±2.3)	8.8 (±3.5)	8.8 (±2.4)	9.1 (±3.5)
10	11.4 (±3.3)	13.3 (±5.3)	14.4 (±4.0)	12.0 (±2.7)	11.9 (±2.0)	9.0 (±2.5)	7.8 (±3.5)	8.1 (±2.4)	11.7 (±4.5)
11	7.4 (±2.8)	12.4 (±7.5)	5.9 (±3.2)	11.7 (±4.3)	10.0 (±2.2)	12.5 (±3.0)	8.4 (±4.4)	9.8 (±2.9)	6.8 (±5.1)
12	9.9 (±3.4)	16.6 (±5.5)	8.9 (±3.7)	13.0 (±5.2)	9.8 (±1.9)	8.5 (±3.1)	11.6 (±5.3)	12.2 (±5.7)	8.6 (±2.8)





## Mississippi Youth Tobacco Use {1998-2019} Current Smokeless Tobacco Use - Public Middle School

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	2.5 (±1.0)	1.8 (±0.7)	3.0 (±1.7)	4.0 (±1.4)	3.6 (±1.1)	4.5 (±1.8)	4.4 (±1.8)	4.8 (±1.9)	5.5 (±1.5)	6.4 (±2.1)
SEX										
FEMALE	1.6 (±1.2)	0.6 (±0.5)	1.5 (±0.9)	1.4 (±1.1)	1.1 (±0.7)	1.3 (±0.9)	1.0 (±0.8)	1.5 (±0.9)	1.8 (±0.8)	2.5 (±1.4)
MALE	3.3 (±1.6)	3.1 (±1.0)	4.6 (±2.7)	6.4 (±2.6)	5.9 (±2.1)	7.7 (±3.3)	7.8 (±3.1)	8.1 (±3.1)	9.0 (±3.0)	10.2 (±3.3)
RACE										
WHITE	4.1 (±1.8)	2.7 (±1.1)	4.9 (±2.6)	6.1 (±2.2)	5.4 (±1.6)	6.2 (±3.4)	8.3 (±3.1)	9.0 (±2.7)	8.7 (±2.7)	10.8 (±2.5)
BLACK	1.1 (±1.0)	0.8 (±0.5)	1.4 (±1.1)	1.8 (±1.4)	1.7 (±1.0)	3.0 (±1.7)	0.8 (±0.8)	1.4 (±1.0)	2.0 (±0.8)	2.4 (±1.4)
GRADE										
6	2.1 (±1.8)	1.7 (±1.0)	1.4 (±1.0)	2.8 (±1.8)	1.9 (±1.2)	2.6 (±2.3)	3.0 (±1.7)	4.0 (±3.7)	3.9 (±2.7)	5.3 (±4.1)
7	2.1 (±1.2)	1.5 (±1.0)	2.3 (±2.1)	3.4 (±2.0)	3.9 (±1.4)	5.7 (±3.4)	3.6 (±2.3)	3.3 (±2.0)	5.7 (±2.5)	7.2 (±2.7)
8	3.4 (±2.1)	2.3 (±1.6)	5.5 (±3.0)	5.6 (±2.2)	4.7 (±2.4)	5.4 (±3.2)	6.8 (±3.4)	7.4 (±3.1)	6.7 (±2.8)	6.8 (±2.5)

	2009	2008	2006	2004	2003	2002	2000	1999	1998
TOTAL	5.3 (±1.9)	7.2 (±1.6)	7.7 (±2.2)	8.2 (±1.3)	6.4 (±1.0)	8.7 (±1.0)	7.5 (±2.0)	9.1 (±1.7)	9.6 (±2.1)
SEX									
FEMALE	1.9 (±1.3)	1.6 (±0.7)	4.1 (±1.5)	5.1 (±1.0)	2.8 (±0.5)	4.6 (±0.9)	2.8 (±1.3)	3.5 (±1.1)	4.2 (±1.8)
MALE	8.6 (±3.0)	12.3 (±2.7)	11.1 (±3.7)	11.6 (±2.4)	9.8 (±1.9)	12.6 (±2.1)	11.8 (±4.0)	14.5 (±3.0)	14.8 (±3.9)
RACE									
WHITE	9.3 (±3.0)	10.4 (±2.1)	12.1 (±2.8)	10.6 (±2.8)	8.3 (±1.9)	11.2 (±2.1)	12.0 (±3.5)	11.6 (±2.4)	12.7 (±3.1)
BLACK	1.6 (±0.9)	3.9 (±1.7)	3.7 (±1.9)	6.0 (±1.0)	3.8 (±0.6)	4.7 (±1.2)	2.5 (±1.0)	6.5 (±2.2)	4.8 (±1.9)
GRADE									
6	4.1 (±2.6)	4.7 (±2.4)	5.3 (±2.2)	5.7 (±1.4)	5.4 (±1.0)	8.7 (±1.9)	5.5 (±2.2)	9.5 (±3.2)	6.5 (±2.5)
7	4.6 (±2.2)	7.5 (±3.0)	6.3 (±2.9)	8.2 (±1.9)	5.8 (±1.0)	7.6 (±1.6)	9.5 (±4.1)	7.6 (±3.3)	8.7 (±3.8)
8	7.3 (±4.2)	9.5 (±3.3)	10.8 (±3.4)	10.8 (±3.4)	7.8 (±2.0)	11.0 (±3.0)	7.4 (±2.7)	10.1 (±2.5)	12.0 (±4.2)



Mississippi Youth Tobacco Use {1998-2019} Ever Tried Smokeless Tobacco - Public High School

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	9.9 (±2.1)	12.9 (±2.7)	15.0 (±3.2)	14.2 (±2.5)	16.2 (±4.0)	16.0 (±3.0)	15.8 (±3.8)	17.8 (±3.8)	19.5 (±4.1)	20.2 (±3.6)
SEX										
FEMALE	3.8 (±1.7)	5.3 (±1.4)	9.1 (±2.8)	5.9 (±2.5)	5.1 (±2.3)	6.7 (±1.9)	6.4 (±2.0)	6.6 (±1.6)	7.5 (±1.9)	8.4 (±2.7)
MALE	16.0 (±3.3)	20.8 (±4.4)	21.2 (±5.5)	22.3 (±3.4)	27.7 (±5.6)	25.5 (±5.0)	25.3 (±5.5)	29.3 (±6.2)	32.0 (±7.5)	32.3 (±5.8)
RACE										
WHITE	15.1 (±3.0)	21.8 (±3.6)	22.2 (±2.6)	22.7 (±3.7)	28.1 (±4.5)	27.5 (±3.4)	27.8 (±5.3)	29.4 (±3.8)	33.1 (±5.1)	33.5 (±4.3)
BLACK	4.1 (±1.2)	4.6 (±1.6)	7.8 (±2.8)	6.1 (±2.0)	4.6 (±2.2)	5.3 (±1.6)	5.1 (±2.2)	7.0 (±1.9)	7.4 (±2.5)	8.3 (±2.5)
GRADE										
9	8.0 (±3.4)	9.1 (±3.0)	11.3 (±2.6)	12.1 (±2.4)	13.7 (±4.6)	12.3 (±4.3)	14.4 (±6.7)	13.9 (±3.9)	18.7 (±6.0)	15.2 (±4.9)
10	10.4 (±3.2)	12.5 (±4.5)	14.7 (±3.2)	14.1 (±4.0)	18.4 (±5.3)	15.5 (±5.4)	16.3 (±6.3)	21.8 (±7.9)	16.7 (±6.1)	22.7 (±5.3)
11	9.5 (±3.4)	17.8 (±5.4)	15.4 (±6.8)	13.6 (±3.7)	13.3 (±6.4)	18.6 (±5.8)	14.6 (±5.4)	16.8 (±4.7)	20.7 (±7.5)	20.9 (±4.6)
12	12.0 (±5.6)	12.7 (±3.7)	19.5 (±5.8)	17.0 (±6.9)	19.7 (±8.5)	18.9 (±5.5)	18.4 (±5.5)	19.3 (±8.2)	23.1 (±5.5)	23.4 (±9.1)

	2009	2008	2006	2004	2003	2002	2000	1999	1998
TOTAL	18.6 (±3.9)	22.8 (±3.3)	19.1 (±4.9)	22.6 (±3.1)	22.2 (±1.7)	20.7 (±2.6)	25.0 (±4.2)	24.3 (±4.5)	26.2 (±4.2)
SEX									
FEMALE	9.5 (±2.8)	12.6 (±2.5)	7.8 (±4.1)	9.5 (±2.0)	10.0 (±1.1)	10.2 (±1.5)	10.8 (±2.6)	7.6 (±3.3)	11.4 (±3.7)
MALE	28.3 (±6.0)	34.0 (±6.1)	30.7 (±7.0)	35.3 (±5.2)	35.3 (±3.1)	32.4 (±5.2)	40.2 (±6.9)	42.3 (±5.8)	42.2 (±6.0)
RACE									
WHITE	30.7 (±4.2)	32.1 (±4.4)	31.5 (±4.2)	32.8 (±3.4)	31.1 (±2.1)	30.7 (±3.1)	36.0 (±5.6)	35.4 (±5.5)	38.5 (±5.8)
BLACK	6.6 (±2.6)	13.1 (±3.6)	7.3 (±4.9)	12.0 (±2.2)	12.0 (±1.5)	11.0 (±1.8)	12.8 (±2.4)	6.7 (±2.7)	11.6 (±2.9)
GRADE									
9	17.8 (±5.1)	23.3 (±6.5)	20.7 (±5.3)	20.4 (±4.0)	21.5 (±2.1)	19.4 (±4.1)	23.7 (±5.4)	25.3 (±5.4)	25.7 (±5.4)
10	18.9 (±5.4)	25.3 (±7.2)	19.3 (±9.6)	21.3 (±3.5)	22.4 (±2.0)	21.8 (±4.0)	21.9 (±6.4)	20.5 (±5.5)	27.0 (±6.9)
11	17.6 (±5.4)	18.4 (±6.7)	17.8 (±5.8)	24.8 (±6.3)	23.0 (±3.1)	20.7 (±3.9)	26.7 (±6.4)	25.3 (±9.7)	25.4 (±7.6)
12	20.3 (±6.3)	23.2 (±5.2)	18.1 (±5.4)	25.1 (±5.7)	21.8 (±3.2)	21.2 (±4.6)	28.3 (±7.4)	25.3 (±6.2)	25.8 (±5.4)





## Mississippi Youth Tobacco Use {1998-2019} Ever Tried Smokeless Tobacco - Public Middle School

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	7.2 (±2.4)	6.0 (±1.8)	8.4 (±2.5)	7.9 (±2.1)	8.6 (±2.3)	8.8 (±2.4)	9.5 (±2.8)	11.4 (±3.6)	11.4 (±2.4)	11.1 (±3.3)
SEX										
FEMALE	4.3 (±2.2)	3.8 (±1.6)	5.2 (±2.5)	3.5 (±1.4)	4.9 (±1.7)	4.1 (±1.7)	4.3 (±2.0)	5.5 (±2.2)	5.9 (±1.6)	5.1 (±2.4)
MALE	10.1 (±3.7)	8.2 (±2.7)	11.4 (±2.9)	12.1 (±3.8)	12.1 (±3.8)	13.5 (±4.3)	14.4 (±4.1)	17.0 (±5.5)	16.6 (±4.3)	16.8 (±4.9)
RACE										
WHITE	11.9 (±3.9)	9.7 (±2.4)	11.8 (±4.0)	12.8 (±3.3)	14.8 (±2.7)	12.6 (±4.2)	15.9 (±4.2)	21.3 (±4.8)	17.5 (±4.1)	18.4 (±3.7)
BLACK	3.3 (±2.0)	2.2 (±1.2)	5.0 (±2.2)	2.9 (±1.1)	2.4 (±1.4)	5.2 (±2.1)	3.6 (±1.7)	2.4 (±1.2)	5.6 (±2.1)	4.2 (±2.1)
GRADE										
6	5.2 (±3.3)	5.1 (±2.3)	4.7 (±2.3)	5.0 (±2.9)	4.9 (±2.5)	5.9 (±4.0)	8.8 (±3.8)	8.1 (±5.9)	9.4 (±4.3)	8.2 (±4.2)
7	6.1 (±2.6)	4.2 (±1.9)	8.0 (±4.1)	7.4 (±2.6)	9.6 (±2.7)	9.5 (±4.1)	6.9 (±3.4)	10.3 (±5.5)	10.9 (±3.6)	12.8 (±4.5)
8	10.8 (4.5)	8.7 (3.9)	12.6 (4.6)	11.1 (±3.8)	11.0 (±4.8)	11.1 (±4.5)	12.8 (±4.4)	15.8 (±4.6)	13.4 (±5.0)	12.1 (±5.0)

	2009	2008	2006	2004	2003	2002	2000	1999	1998
TOTAL	11.8 (±2.8)	14.4 (±1.7)	15.5 (±3.8)	14.7 (±2.7)	14.1 (±1.7)	17.8 (±1.4)	19.7 (±2.7)	18.8 (±2.7)	18.1 (±3.1)
SEX									
FEMALE	6.3 (±1.9)	6.9 (±1.4)	9.2 (±2.9)	9.6 (±2.2)	8.1 (±0.9)	9.6 (±1.6)	9.7 (±1.8)	9.6 (±2.3)	7.2 (±2.0)
MALE	17.1 (±4.6)	21.6 (±3.3)	21.3 (±5.9)	20.2 (±3.7)	20.0 (±3.0)	26.2 (±2.8)	29.4 (±4.7)	27.6 (±4.3)	28.5 (±5.5)
RACE									
WHITE	19.3 (±4.0)	20.4 (±2.5)	23.9 (±3.9)	19.7 (±4.3)	17.8 (±3.2)	21.8 (±2.8)	26.7 (±4.2)	24.2 (±3.3)	24.0 (±3.1)
BLACK	4.9 (±1.8)	8.6 (±2.3)	7.9 (±3.0)	10.0 (±2.1)	10.1 (±0.9)	12.4 (±2.0)	11.7 (±2.4)	13.8 (±3.6)	10.5 (±3.2)
GRADE									
6	8.0 (±3.8)	10.2 (±2.9)	12.1 (±3.3)	10.4 (±2.8)	12.1 (±1.8)	17.3 (±3.1)	13.7 (±3.2)	16.6 (±4.2)	12.9 (±4.9)
7	11.6 (±3.7)	14.5 (±3.5)	12.6 (±5.3)	14.4 (±3.6)	13.4 (±2.2)	17.3 (±2.6)	23.3 (±5.0)	19.1 (±5.1)	19.0 (±5.5)
8	15.9 (±5.6)	18.9 (±2.6)	21.2 (±6.1)	19.3 (±4.1)	16.8 (±3.0)	20.2 (±4.5)	22.2 (±4.1)	20.5 (±4.1)	20.7 (±5.3)



Mississippi Youth Tobacco Use {1998-2019} Frequent Smokeless Tobacco Use - Public High School

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	1.3 (±0.7)	1.8 (±0.8)	2.8 (±1.0)	3.4 (±1.0)	3.6 (±1.2)	3.7 (±1.5)	3.5 (±1.2)	5.1 (±2.6)	4.6 (±1.6)	4.5 (±2.3)
SEX										
FEMALE	0.1 (±0.2)	0.5 (±0.5)	1.2 (±0.8)	0.1 (±0.2)	0.2 (±0.3)	0.2 (±0.2)	0.2 (±0.3)	0.3 (±0.4)	0.3 (±0.6)	0.5 (±0.5)
MALE	2.5 (±1.4)	3.1 (±1.6)	4.6 (±1.8)	6.5 (±1.9)	6.9 (±2.3)	7.2 (±3.0)	6.9 (±2.5)	9.9 (±5.0)	9.0 (±3.0)	8.6 (±4.4)
RACE										
WHITE	1.2 (±0.9)	3.0 (±1.5)	4.2 (±1.1)	6.5 (±2.1)	6.6 (±1.6)	6.9 (±2.4)	6.8 (±2.4)	9.3 (±3.7)	8.9 (±2.6)	8.0 (±3.8)
BLACK	0.9 (±0.7)	0.6 (±0.5)	1.2 (±1.1)	0.4 (±0.5)	0.4 (±0.5)	0.5 (±0.5)	0.5 (±0.5)	1.3 (±1.0)	0.8 (±0.8)	1.4 (±0.7)
GRADE										
9	1.4 (±1.2)	1.5 (±1.0)	2.0 (±1.5)	2.3 (±1.2)	2.5 (±1.8)	1.3 (±1.0)	3.3 (±2.7)	2.0 (±1.1)	3.4 (±2.3)	3.3 (±2.2)
10	0.4 (±0.7)	1.2 (±0.8)	2.8 (±1.8)	2.9 (±1.7)	3.4 (±2.3)	1.8 (±1.4)	3.8 (±1.8)	8.1 (±5.7)	3.8 (±2.2)	3.3 (±2.5)
11	1.4 (±1.1)	1.9 (±1.8)	1.7 (±1.5)	3.8 (±1.8)	2.3 (±1.8)	5.3 (±2.8)	2.9 (±1.6)	3.7 (±1.9)	6.1 (±3.3)	5.9 (±3.8)
12	2.1 (±1.7)	2.6 (±1.7)	4.8 (±1.8)	4.9 (±2.3)	6.2 (±3.8)	7.6 (±5.1)	4.1 (±2.5)	7.0 (±7.5)	5.7 (±2.5)	6.1 (±4.2)

	2009	2008	2006	2004	2003	2002	2000	1999	1998
TOTAL	4.3 (±1.5)	4.7 (±1.5)	2.8 (±1.4)	4.2 (±1.3)	3.9 (±0.7)	3.3 (±1.0)	3.9 (±1.3)	3.2 (±1.0)	3.7 (±1.8)
SEX									
FEMALE	0.5 (±0.4)	1.2 (±0.8)	0.3 (±0.3)	0.5 (±0.3)	0.5 (±0.3)	0.9 (±0.5)	0.3 (±0.4)	0.3 (±0.4)	0.4 (±0.5)
MALE	8.4 (±3.1)	8.6 (±2.9)	5.5 (±2.9)	7.6 (±2.7)	7.4 (±1.2)	6.1 (±1.8)	7.6 (±2.5)	6.4 (±1.8)	7.3 (±3.3)
RACE									
WHITE	7.7 (±2.6)	7.8 (±2.6)	5.3 (±1.9)	7.3 (±2.3)	6.6 (±1.1)	6.3 (±1.5)	6.7 (±2.0)	5.1 (±1.7)	6.4 (±3.1)
BLACK	0.8 (±1.0)	1.8 (±1.7)	0.2 (±0.4)	1.1 (±0.7)	0.8 (±0.4)	0.6 (±0.5)	0.5 (±0.6)	0.6 (±0.7)	0.2 (±1.0)
GRADE									
9	3.8 (±2.1)	4.4 (±2.0)	2.1 (±2.2)	2.9 (±1.8)	2.9 (±0.8)	2.7 (±1.1)	3.8 (±2.2)	1.2 (±1.0)	2.2 (±1.6)
10	4.9 (±2.2)	4.5 (±3.2)	2.7 (±2.0)	3.0 (±1.5)	4.4 (±1.0)	3.2 (±1.5)	3.7 (±2.3)	3.1 (±1.4)	5.5 (±4.5)
11	4.3 (±2.2)	4.4 (±4.0)	2.2 (±2.0)	5.7 (±2.8)	4.3 (±1.4)	4.2 (±1.9)	3.3 (±3.0)	4.4 (±3.2)	3.7 (±3.1)
12	4.0 (±2.5)	5.8 (±3.0)	4.7 (±2.5)	6.4 (±2.6)	4.4 (±1.4)	3.4 (±1.8)	5.1 (±2.8)	4.8 (±2.6)	3.5 (±2.3)





## Mississippi Youth Tobacco Use {1998-2019} Frequent Smokeless Tobacco Use - Public Middle School

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	0.4 (±0.4)	0.3 (±0.3)	0.8 (±0.7)	0.9 (±0.4)	0.9 (±0.5)	1.0 (±0.9)	1.5 (±1.0)	0.8 (±0.5)	1.5 (±0.8)	1.1 (±0.4)
SEX										
FEMALE	0.0 (±0.0)	0.1 (±0.3)	0.3 (±0.4)	0.3 (±0.3)	0.1 (±0.1)	0.0 (±0.0)	0.0 (±0.0)	0.2 (±0.2)	0.3 (±0.4)	0.1 (±0.2)
MALE	0.7 (±0.7)	0.5 (±0.5)	1.3 (±1.3)	1.3 (±0.7)	1.8 (±0.9)	2.0 (±1.7)	3.0 (±2.0)	1.4 (±0.9)	2.6 (±1.6)	2.1 (±0.8)
RACE										
WHITE	0.6 (±0.7)	0.4 (±0.4)	1.6 (±1.4)	1.4 (±0.7)	1.9 (±1.0)	1.9 (±1.9)	3.1 (±2.0)	1.6 (±0.9)	2.3 (±1.7)	1.9 (±0.9)
BLACK	0.1 (±0.2)	0.1 (±0.2)	0.0 (±0.0)	0.1 (±0.2)	0.0 (±0.0)	0.1 (±0.3)	0.1 (±0.2)	0.1 (±0.2)	0.3 (±0.3)	0.5 (±0.5)
GRADE										
6	0.0 (±0.0)	0.3 (±0.4)	0.2 (±0.3)	0.2 (±0.3)	0.1 (±0.1)	0.2 (±0.4)	0.6 (±0.9)	0.0 (±0.0)	0.9 (±0.9)	0.3 (±0.5)
7	0.5 (±0.5)	0.2 (±0.4)	1.3 (±1.4)	1.3 (±0.9)	1.1 (±0.9)	0.8 (±0.7)	0.8 (±0.8)	0.4 (±0.5)	1.7 (±1.3)	1.2 (±0.9)
8	0.7 (±0.9)	0.5 (±0.6)	0.9 (±1.0)	1.0 (±0.7)	1.6 (±1.2)	2.1 (±2.2)	3.2 (±2.3)	2.0 (±1.1)	1.6 (±1.4)	1.9 (±1.0)

	2009	2008	2006	2004	2003	2002	2000	1999	1998
TOTAL	1.0 (±0.8)	1.7 (±0.8)	2.2 (±1.2)	1.3 (±0.5)	1.2 (±0.5)	2.1 (±0.6)	1.5 (±0.9)	1.3 (±0.5)	2.2 (±1.1)
SEX									
FEMALE	0.2 (±0.3)	0.6 (±0.4)	0.3 (±0.3)	0.3 (±0.2)	0.4 (±0.2)	0.8 (±0.5)	0.2 (±0.5)	0.0 (±0.0)	0.9 (±0.9)
MALE	1.8 (±1.5)	2.8 (±1.5)	4.1 (±2.2)	2.3 (±1.0)	2.1 (±0.8)	3.3 (±1.0)	2.6 (±1.8)	2.5 (±1.0)	3.5 (±2.1)
RACE									
WHITE	2.0 (±1.6)	2.8 (±1.4)	4.2 (±2.0)	1.7 (±1.0)	1.8 (±0.7)	2.5 (±0.9)	2.6 (±1.7)	2.1 (±0.7)	2.4 (±2.2)
BLACK	0.1 (±0.2)	0.4 (±0.)	0.5 (±0.6)	0.9 (±0.6)	0.5 (±0.2)	1.4 (±0.8)	0.0 (±0.0)	0.3 (±0.6)	1.0 (±1.1)
GRADE									
6	0.1 (±0.2)	1.0 (±0.8)	1.6 (±1.3)	0.3 (±0.4)	0.8 (±0.4)	1.0 (±0.6)	1.2 (±2.1)	1.5 (±1.1)	0.5 (±0.4)
7	1.0 (±0.8)	1.5 (±1.0)	1.2 (±1.0)	1.7 (±1.0)	1.2 (±0.5)	2.1 (±0.8)	1.3 (±1.1)	1.0 (±0.9)	1.7 (±1.5)
8	2.0 (±2.1)	2.6 (±1.7)	3.7 (±2.7)	1.7 (±1.1)	1.7 (±1.1)	3.7 (±1.2)	2.0 (±1.5)	1.3 (±0.6)	3.0 (±1.8)



Mississippi Youth Tobacco Use {1998-2019} Current Cigar Smoking - Public High School

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	10.9 (±1.8)	10.3 (±2.1)	8.4 (±1.7)	9.2 (±1.9)	8.7 (±1.4)	10.3 (±1.9)	10.9 (±1.9)	11.9 (±2.0)	14.2 (±2.3)	13.8 (±2.0)
SEX										
FEMALE	9.3 (±2.9)	10.1 (±2.9)	7.5 (±2.6)	7.3 (±2.1)	5.5 (±1.8)	7.6 (±2.6)	8.0 (±2.2)	9.3 (±2.4)	8.7 (±1.9)	11.0 (±2.0)
MALE	12.6 (±2.6)	10.6 (±2.4)	9.3 (±2.3)	11.2 (±2.4)	12.2 (±2.2)	12.6 (±2.5)	13.8 (±3.3)	14.4 (±3.6)	19.8 (±3.1)	16.9 (±3.2)
RACE										
WHITE	8.4 (±2.6)	8.5 (±2.8)	9.4 (±2.2)	10.0 (±2.3)	10.0 (±2.1)	9.5 (±2.0)	12.3 (±2.5)	10.7 (±2.7)	15.1 (±2.7)	15.5 (±2.7)
BLACK	13.3 (±2.8)	11.6 (±2.7)	6.8 (±2.0)	8.5 (±2.4)	6.7 (±2.1)	11.0 (±3.2)	10.0 (±2.5)	12.5 (±2.8)	13.2 (±3.4)	12.0 (±2.1)
GRADE										
9	9.1 (±4.1)	9.7 (±2.8)	5.7 (±2.0)	7.2 (±2.5)	6.3 (±2.5)	7.4 (±2.7)	6.4 (±2.7)	9.1 (±3.0)	10.3 (±4.7)	10.8 (±2.6)
10	8.9 (±3.3)	10.4 (±3.5)	6.9 (±1.8)	9.6 (±3.5)	10.1 (±3.7)	10.7 (±4.6)	9.5 (±3.0)	14.0 (±5.2)	15.9 (±4.4)	13.6 (±3.0)
11	10.7 (±3.6)	9.9 (±4.5)	8.1 (±3.9)	9.3 (±3.2)	8.1 (±2.6)	10.7 (±3.3)	14.7 (±5.2)	10.9 (±3.2)	14.4 (±5.1)	16.5 (±4.2)
12	15.6 (±5.3)	11.3 (±3.4)	13.3 (±3.3)	11.0 (±4.5)	10.9 (±4.1)	13.0 (±3.7)	14.5 (±4.3)	14.1 (±6.5)	17.0 (±5.8)	15.4 (±3.9)

	2009	2008	2006	2004	2003	2002	2000	1999	1998
TOTAL	13.8 (±2.2)	16.3 (±3.7)	13.6 (±4.0)	18.0 (±1.8)	17.8 (±1.2)	N/A	18.6 (±2.9)	20.3 (±1.6)	22.3 (±3.9)
SEX									
FEMALE	9.3 (±2.9)	11.3 (±3.9)	8.5 (±4.5)	13.4 (±2.4)	12.9 (±1.3)	N/A	11.2 (±3.1)	13.4 (±2.0)	13.8 (±3.3)
MALE	18.3 (±3.1)	21.3 (±4.6)	18.9 (±4.5)	22.1 (±2.4)	22.7 (±1.8)	N/A	26.2 (±3.7)	27.8 (±2.8)	31.1 (±5.4)
RACE									
WHITE	14.9 (±3.0)	16.0 (±4.3)	14.4 (±4.5)	20.7 (±3.1)	18.7 (±1.9)	N/A	19.6 (±4.1)	17.9 (±1.7)	23.5 (±4.4)
BLACK	12.4 (±3.7)	15.2 (±5.6)	12.6 (±3.8)	15.0 (±2.6)	15.6 (±1.6)	N/A	15.7 (±3.5)	22.5 (±2.5)	20.1 (±5.1)
GRADE									
9	11.0 (±3.8)	13.7 (±4.0)	11.4 (±3.1)	17.2 (±3.8)	17.4 (±1.6)	N/A	20.7 (±4.1)	19.2 (±3.3)	18.9 (±5.6)
10	15.2 (±3.2)	15.3 (±4.9)	12.0 (±7.4)	17.5 (±4.2)	16.8 (±1.8)	N/A	16.8 (±3.9)	23.6 (±3.2)	24.7 (±8.5)
11	12.8 (±4.2)	13.2 (±10.1)	16.3 (±4.7)	19.1 (±3.7)	19.2 (±2.9)	N/A	18.6 (±6.5)	17.9 (±4.1)	23.8 (±5.4)
12	17.1 (±4.0)	23.1 (±5.6)	16.2 (±4.3)	19.0 (±4.3)	17.9 (±1.9)	N/A	16.4 (±4.6)	20.8 (±3.5)	22.0 (±6.1)



Mississippi Youth Tobacco Use {1998-2019} Current Cigar Smoking - Public Middle School

APPENDIX {CIGARS}

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	4.1 (±1.5)	4.0 (±1.3)	2.9 (±1.1)	3.5 (±1.1)	2.9 (±0.9)	5.4 (±2.3)	4.2 (±1.3)	4.2 (±1.5)	4.8 (±1.4)	5.5 (±1.3)
SEX										
FEMALE	2.8 (±1.6)	4.2 (±1.7)	2.4 (±1.4)	2.0 (±1.2)	2.6 (±1.5)	2.6 (±1.3)	2.4 (±1.3)	2.7 (±1.0)	3.5 (±1.3)	4.2 (±1.5)
MALE	5.2 (±2.0)	3.7 (±1.9)	3.5 (±1.4)	5.0 (±1.8)	3.2 (±0.9)	8.1 (±4.1)	5.9 (±1.6)	5.5 (±2.3)	6.1 (±1.9)	6.6 (±1.9)
RACE										
WHITE	3.4 (±2.1)	2.4 (±1.2)	3.1 (±1.3)	2.6 (±1.7)	2.2 (±1.1)	3.4 (±2.0)	2.6 (±0.9)	3.8 (±1.6)	3.6 (±1.9)	4.5 (±1.4)
BLACK	4.9 (±2.0)	5.0 (±2.0)	2.5 (±1.2)	4.0 (±1.7)	3.6 (±1.6)	7.7 (±3.5)	5.5 (±1.6)	4.6 (±2.5)	5.9 (±2.0)	6.3 (±2.1)
GRADE										
6	3.0 (±2.1)	3.4 (±1.7)	1.0 (±1.0)	3.4 (±2.5)	0.9 (±0.7)	3.5 (±3.9)	3.4 (±1.8)	3.0 (±2.5)	4.3 (±1.7)	3.0 (±1.3)
7	3.3 (±2.0)	3.0 (±1.7)	2.7 (±1.6)	2.9 (±1.5)	4.9 (±2.1)	4.1 (±3.8)	4.5 (±1.3)	2.9 (±1.7)	4.9 (±2.6)	5.5 (±2.3)
8	6.4 (±3.3)	5.6 (±2.5)	5.0 (±2.2)	4.3 (±2.5)	2.9 (±1.3)	8.7 (±3.5)	4.6 (±2.5)	6.9 (±2.6)	4.9 (±2.2)	7.9 (±2.1)

	2009	2008	2006	2004	2003	2002	2000	1999	1998
TOTAL	6.3 (±1.4)	9.3 (±2.2)	6.1 (±1.7)	10.6 (±1.8)	9.0 (±1.1)	N/A	12.1 (±2.2)	16.6 (±2.7)	16.4 (±3.5)
SEX									
FEMALE	4.4 (±1.5)	6.6 (±2.2)	4.0 (±1.5)	8.5 (±1.5)	6.9 (±1.1)	N/A	10.2 (±2.8)	10.8 (±2.6)	12.3 (±4.5)
MALE	8.1 (±2.3)	11.8 (±3.0)	8.3 (±2.7)	12.7 (±2.8)	10.9 (±1.2)	N/A	13.9 (±2.7)	22.1 (±3.6)	20.4 (±3.9)
RACE									
WHITE	5.6 (±2.6)	6.5 (±2.0)	4.7 (±2.2)	9.0 (±1.8)	6.5 (±1.0)	N/A	9.2 (±2.2)	14.2 (±2.5)	12.3 (±2.3)
BLACK	6.6 (±1.8)	11.4 (±3.5)	7.4 (±2.2)	12.1 (±2.8)	11.1 (±1.3)	N/A	14.8 (±3.9)	19.2 (±4.1)	19.9 (±5.4)
GRADE									
6	3.4 (±1.8)	5.1 (±4.0)	4.4 (±1.7)	7.6 (±1.5)	6.1 (±1.1)	N/A	9.7 (±4.8)	12.0 (±4.0)	7.9 (±2.1)
7	5.9 (±2.5)	10.9 (±4.0)	4.9 (±3.1)	13.0 (±3.7)	8.8 (±1.6)	N/A	11.8 (±3.5)	16.0 (±3.6)	17.1 (±8.3)
8	9.7 (±2.8)	12.1 (±2.9)	8.8 (±3.1)	11.2 (±4.0)	12.0 (±1.5)	N/A	14.9 (±4.5)	21.6 (±4.0)	21.2 (±3.9)



## Mississippi Youth Tobacco Use {1998-2019} Ever Tried a Cigar - Public High School

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	23.8 (±2.8)	27.4 (±2.8)	20.0 (±2.6)	22.8 (±2.4)	22.0 (±3.1)	24.8 (±2.9)	25.0 (±3.8)	29.5 (±3.3)	28.7 (±3.7)	29.1 (±3.6)
SEX										
FEMALE	23.0 (±4.7)	24.2 (±4.0)	18.2 (±3.7)	19.0 (±3.4)	15.6 (±2.8)	18.6 (±2.9)	20.2 (±4.5)	25.2 (±4.1)	20.7 (±3.7)	24.9 (±4.4)
MALE	24.8 (±3.6)	30.8 (±3.7)	21.7 (±4.1)	26.4 (±3.2)	28.2 (±4.6)	30.5 (±4.4)	29.7 (±4.9)	34.0 (±5.3)	36.9 (±4.5)	33.3 (±5.0)
RACE										
WHITE	21.4 (±4.5)	27.2 (±3.4)	22.3 (±3.0)	25.8 (±3.1)	26.2 (±4.6)	27.5 (±3.9)	28.3 (±4.9)	30.9 (±5.6)	32.8 (±4.6)	34.0 (±5.0)
BLACK	26.4 (±3.7)	27.5 (±3.5)	17.1 (±3.5)	20.6 (±3.3)	17.3 (±3.2)	22.4 (±4.2)	22.2 (±5.0)	28.1 (±4.0)	24.8 (±5.1)	24.6 (±4.0)
GRADE										
9	19.3 (±4.7)	23.9 (±4.7)	14.7 (±2.3)	17.8 (±4.6)	15.1 (±4.9)	17.2 (±4.5)	15.8 (±4.6)	19.4 (±5.9)	24.2 (±5.2)	21.5 (±3.5)
10	19.4 (±5.3)	26.5 (±4.4)	18.2 (±3.3)	22.8 (±4.7)	26.7 (±4.8)	24.7 (±6.4)	24.2 (±5.1)	34.5 (±5.3)	25.7 (±4.5)	29.4 (±5.3)
11	23.7 (±3.7)	29.8 (±5.9)	18.7 (±6.4)	26.0 (±4.6)	22.0 (±6.8)	27.8 (±5.3)	28.4 (±7.5)	29.9 (±5.1)	30.6 (±7.8)	32.6 (±6.5)
12	34.4 (±6.5)	30.2 (±4.2)	28.8 (±4.3)	26.0 (±6.0)	25.5 (±6.5)	31.8 (±5.8)	34.4 (±7.5)	36.5 (±7.3)	36.5 (±7.6)	35.3 (±5.6)

	2009	2008	2006	2004	2003	2002	2000	1999	1998
TOTAL	29.8 (±2.8)	32.5 (±3.6)	37.7 (±3.0)	39.2 (±2.7)	39.4 (±1.3)	N/A	48.8 (±4.2)	54.7 (±3.0)	53.0 (±3.0)
SEX									
FEMALE	23.2 (±3.2)	25.4 (±4.9)	30.8 (±3.7)	31.5 (±3.3)	31.9 (±1.8)	N/A	39.4 (±5.9)	44.3 (±3.7)	43.2 (±3.6)
MALE	36.6 (±4.3)	40.2 (±5.4)	44.9 (±4.4)	46.7 (±4.1)	47.4 (±1.8)	N/A	58.9 (±4.0)	65.8 (±3.5)	63.5 (±3.5)
RACE									
WHITE	33.1 (±4.2)	35.7 (±4.0)	38.9 (±3.6)	41.4 (±3.8)	42.4 (±2.2)	N/A	52.5 (±6.5)	54.2 (±3.6)	54.4 (±4.7)
BLACK	26.2 (±4.3)	28.5 (±5.2)	36.8 (±5.3)	36.9 (±3.8)	35.6 (±1.8)	N/A	44.0 (±5.4)	54.3 (±4.6)	51.1 (±4.9)
GRADE									
9	24.8 (±4.4)	29.3 (±6.7)	39.0 (±3.3)	35.3 (±5.2)	36.7 (±2.3)	N/A	44.6 (±6.1)	53.1 (±3.4)	50.0 (±6.3)
10	31.0 (±5.2)	34.3 (±4.8)	36.6 (±9.8)	39.2 (±4.5)	36.7 (±1.9)	N/A	46.7 (±5.7)	52.9 (±6.9)	49.9 (±6.9)
11	28.4 (±5.1)	26.5 (±7.9)	30.7 (±9.6)	39.3 (±4.6)	41.9 (±3.3)	N/A	53.5 (±6.4)	55.0 (±6.9)	57.5 (±4.8)
12	37.3 (±5.5)	40.7 (±4.8)	45.8 (±4.8)	45.7 (±4.7)	43.7 (±2.4)	N/A	51.1 (±7.2)	58.3 (±7.2)	56.9 (±6.6)





Mississippi Youth Tobacco Use {1998-2019} Ever Tried a Cigar - Public Middle School

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	10.7 (±3.0)	10.9 (±2.5)	6.8 (±1.8)	9.5 (±2.0)	8.6 (±1.8)	9.8 (±3.2)	9.3 (±2.1)	10.6 (±2.6)	11.1 (±2.8)	11.7 (±2.1)
SEX										
FEMALE	8.9 (±3.7)	10.8 (±2.6)	6.4 (±2.1)	6.2 (±1.9)	7.0 (±2.5)	4.9 (±1.6)	6.5 (±2.1)	8.1 (±2.4)	9.3 (±3.1)	9.1 (±2.6)
MALE	12.4 (±3.0)	11.2 (±3.5)	7.1 (±1.9)	12.7 (±3.6)	10.1 (±1.9)	14.5 (±5.2)	12.1 (±2.5)	13.0 (±3.9)	13.0 (±3.1)	14.0 (±3.2)
RACE										
WHITE	8.1 (±3.6)	7.5 (±2.7)	6.2 (±2.3)	8.7 (±2.8)	7.3 (±1.8)	7.3 (±2.7)	7.5 (±2.4)	12.4 (±2.6)	9.4 (±4.3)	10.2 (±2.7)
BLACK	13.5 (±4.4)	13.9 (±3.9)	6.9 (±2.6)	9.9 (±2.3)	10.0 (±3.0)	12.2 (±4.6)	10.9 (±2.8)	9.4 (±4.0)	13.0 (±3.2)	12.9 (±3.1)
GRADE										
6	7.3 (±4.4)	7.5 (±2.6)	3.0 (±1.4)	8.6 (±3.0)	5.0 (±2.3)	6.2 (±4.3)	6.0 (±2.4)	6.0 (±3.7)	8.3 (±4.1)	6.4 (±2.4)
7	7.4 (±2.3)	9.0 (±5.1)	5.5 (±2.2)	6.6 (±2.4)	9.8 (±3.2)	10.0 (±7.4)	8.9 (±2.5)	10.9 (±4.0)	11.2 (±3.5)	10.9 (±3.5)
8	18.3 (±4.7)	16.4 (±3.6)	11.7 (±3.4)	13.1 (±4.2)	10.9 (±2.9)	13.3 (±4.8)	13.3 (±4.0)	15.5 (±3.6)	13.6 (±4.2)	17.5 (±3.6)

	2009	2008	2006	2004	2003	2002	2000	1999	1998
TOTAL	14.3 (±2.5)	19.8 (±2.5)	18.6 (±2.7)	22.2 (±2.5)	20.4 (±1.7)	N/A	31.8 (±2.5)	33.7 (±4.5)	32.5 (±4.1)
SEX									
FEMALE	10.4 (±2.0)	14.9 (±2.6)	14.3 (±2.8)	17.9 (±2.1)	15.6 (±1.8)	N/A	23.6 (±3.1)	24.6 (±4.3)	24.2 (±5.6)
MALE	18.2 (±3.8)	24.5 (±3.1)	22.9 (±4.0)	26.6 (±3.7)	25.0 (±1.8)	N/A	39.5 (±4.0)	42.2 (±5.4)	40.7 (±3.9)
RACE									
WHITE	14.1 (±3.9)	14.9 (±2.7)	17.0 (±3.5)	19.6 (±3.0)	17.5 (±1.8)	N/A	29.4 (±2.6)	31.1 (±3.3)	29.2 (±3.6)
BLACK	14.1 (±3.0)	24.1 (±3.2)	20.4 (±3.5)	24.8 (±3.2)	22.7 (±2.0)	N/A	35.0 (±5.1)	36.3 (±7.2)	35.6 (±6.4)
GRADE									
6	7.4 (±2.7)	11.9 (±3.3)	14.7 (±3.4)	14.8 (±3.0)	14.1 (±1.7)	N/A	22.8 (±5.1)	24.6 (±6.8)	19.2 (±3.5)
7	13.7 (±5.0)	20.4 (±3.8)	16.0 (±4.6)	23.9 (±4.3)	20.6 (±2.0)	N/A	33.2 (±4.4)	35.6 (±5.9)	35.5 (±8.7)
8	21.9 (±4.2)	27.6 (±4.1)	25.3 (±3.5)	27.6 (±4.4)	26.5 (±2.4)	N/A	39.2 (±5.5)	40.3 (±5.5)	40.2 (±6.4)



Mississippi Youth Tobacco Use {1998-2019} Frequent Cigar Smoking - Public High School

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	2.2 (±0.7)	1.6 (±0.7)	1.2 (±0.5)	0.8 (±0.3)	0.5 (±0.4)	1.5 (±0.8)	1.8 (±0.8)	2.1 (±0.9)	2.6 (±1.0)	2.2 (±0.8)
SEX										
FEMALE	1.0 (±0.7)	1.2 (±0.9)	1.5 (±0.9)	0.3 (±0.3)	0.1 (±0.2)	0.8 (±0.8)	1.0 (±0.5)	0.9 (±0.8)	1.8 (±1.0)	1.3 (±0.9)
MALE	3.5 (±1.3)	2.0 (±1.0)	0.9 (±0.5)	1.3 (±0.7)	0.9 (±0.8)	2.2 (±1.3)	2.6 (±1.5)	3.2 (±1.4)	3.3 (±1.8)	3.1 (±1.5)
RACE										
WHITE	1.2 (±0.9)	1.3 (±0.8)	1.3 (±0.6)	0.5 (±0.5)	0.1 (±0.2)	0.7 (±0.7)	1.5 (±0.9)	1.3 (±0.9)	2.2 (±0.9)	2.0 (±1.2)
BLACK	2.6 (±0.9)	1.8 (±0.8)	0.8 (±0.6)	0.8 (±0.6)	0.9 (±0.9)	2.2 (±1.3)	2.1 (±1.0)	2.8 (±1.3)	2.9 (±1.6)	2.2 (±0.9)
GRADE										
9	2.2 (±1.7)	1.0 (±0.7)	0.7 (±0.7)	0.4 (±0.4)	0.2 (±0.3)	1.3 (±1.5)	0.0 (±0.0)	0.9 (±0.8)	1.7 (±1.5)	1.5 (±1.2)
10	1.1 (±0.8)	1.6 (±1.5)	0.9 (±0.6)	0.2 (±0.3)	0.2 (±0.4)	1.7 (±1.4)	2.0 (±1.7)	3.2 (±2.0)	2.1 (±1.7)	0.6 (±0.7)
11	2.8 (±1.4)	1.0 (±1.2)	1.0 (±1.2)	0.8 (±1.1)	0.9 (±1.2)	1.6 (±1.4)	2.5 (±1.6)	2.0 (±1.9)	1.7 (±1.2)	2.9 (±2.1)
12	2.9 (±2.3)	2.6 (±1.5)	2.4 (±1.3)	2.0 (±1.3)	0.7 (±1.0)	1.1 (±1.2)	3.1 (±1.4)	2.3 (±2.4)	5.0 (±2.6)	4.1 (±1.9)

	2009	2008	2006	2004	2003	2002	2000	1999	1998
TOTAL	2.4 (±0.7)	2.7 (±1.5)	1.6 (±0.9)	2.7 (±0.6)	2.0 (±0.4)	N/A	2.1 (±1.0)	2.7 (±1.0)	1.4 (±0.9)
SEX									
FEMALE	0.9 (±0.5)	2.4 (±1.6)	0.5 (±0.4)	1.1 (±0.5)	0.9 (±0.3)	N/A	1.1 (±0.7)	1.6 (±1.1)	0.2 (±1.0)
MALE	4.0 (±1.3)	3.0 (±1.8)	2.7 (±1.6)	4.3 (±1.1)	3.1 (±0.8)	N/A	2.9 (±1.5)	4.0 (±1.8)	2.6 (±1.5)
RACE									
WHITE	2.3 (±1.1)	1.5 (±1.0)	1.7 (±1.1)	2.6 (±0.8)	1.6 (±0.5)	N/A	1.1 (±0.8)	1.8 (±1.0)	1.5 (±1.1)
BLACK	2.3 (±1.8)	3.7 (±2.6)	1.3 (±1.2)	2.8 (±1.3)	1.9 (±0.6)	N/A	2.3 (±1.8)	3.8 (±1.4)	0.9 (±1.2)
GRADE									
9	1.7 (±1.2)	1.5 (±1.3)	0.6 (±0.8)	1.8 (±0.7)	1.9 (±0.6)	N/A	1.3 (±1.1)	2.4 (±1.4)	1.1 (±1.3)
10	2.4 (±1.5)	3.1 (±2.2)	2.0 (±1.7)	2.8 (±1.2)	1.6 (±0.6)	N/A	2.3 (±1.1)	3.3 (±1.6)	1.8 (±1.2)
11	4.3 (±1.9)	1.7 (±2.6)	1.8 (±1.6)	4.0 (±2.3)	2.5 (±1.1)	N/A	2.4 (±2.0)	3.0 (±2.5)	1.0 (±1.6)
12	1.3 (±1.0)	4.6 (±3.1)	2.2 (±1.6)	2.9 (±1.1)	2.2 (±0.7)	N/A	2.2 (±1.8)	2.4 (±1.3)	1.4 (±1.5)



Mississippi Youth Tobacco Use {1998-2019} Frequent Cigar Smoking - Public Middle School

APPENDIX {CIGARS}

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
TOTAL	0.4 (±0.4)	0.1 (±0.1)	0.2 (±0.2)	0.5 (±0.3)	0.3 (±0.3)	0.3 (±0.2)	0.6 (±0.4)	0.1 (±0.2)	0.6 (±0.3)	0.6 (±0.4)
SEX										
FEMALE	0.1 (±0.1)	0.0 (±0.0)	0.0 (±0.0)	0.1 (±0.2)	0.1 (±0.1)	0.3 (±0.4)	0.1 (±0.2)	0.1 (±0.2)	0.1 (±0.3)	0.3 (±0.4)
MALE	0.8 (±0.8)	0.2 (±0.3)	0.3 (±0.3)	0.8 (±0.5)	0.6 (±0.5)	0.3 (±0.1)	1.0 (±0.7)	0.1 (±0.3)	1.1 (±0.7)	0.8 (±0.7)
RACE										
WHITE	0.5 (±0.5)	0.1 (±0.2)	0.3 (±0.3)	0.4 (±0.3)	0.5 (±0.5)	0.2 (±0.1)	0.5 (±0.5)	0.3 (±0.4)	0.2 (±0.4)	0.5 (±0.7)
BLACK	0.4 (±0.6)	0.1 (±0.2)	0.0 (±0.0)	0.4 (±0.5)	0.1 (±0.2)	0.3 (±0.4)	0.5 (±0.4)	0.0 (±0.0)	1.0 (±0.6)	0.6 (±0.6)
GRADE										
6	0.2 (±0.3)	0.3 (±0.4)	0.0 (±0.0)	0.4 (±0.5)	0.1 (±0.1)	0.2 (±0.3)	0.7 (±0.7)	0.0 (±0.0)	1.4 (±1.0)	0.7 (±0.7)
7	0.2 (±0.2)	0.0 (±0.0)	0.2 (±0.3)	0.3 (±0.4)	0.3 (±0.4)	0.2 (±0.3)	0.0 (±0.1)	0.1 (±0.3)	0.3 (±0.4)	0.2 (±0.3)
8	1.0 (±1.1)	0.0 (±0.0)	0.3 (±0.4)	0.7 (±0.8)	0.6 (±0.7)	0.5 (±0.6)	1.1 (±0.7)	0.2 (±0.5)	0.2 (±0.4)	0.8 (±1.0)

	2009	2008	2006	2004	2003	2002	2000	1999	1998
TOTAL	1.2 (±0.6)	1.7 (±0.8)	0.9 (±0.6)	1.0 (±0.4)	0.9 (±0.3)	N/A	0.9 (±0.7)	0.9 (±0.4)	1.7 (±1.1)
SEX									
FEMALE	0.6 (±0.6)	0.9 (±0.5)	0.3 (±0.3)	0.4 (±0.3)	0.5 (±0.3)	N/A	0.1 (±0.6)	0.3 (±0.3)	0.9 (±0.9)
MALE	1.8 (±1.0)	2.5 (±1.5)	1.5 (±1.1)	1.6 (±0.8)	1.3 (±0.3)	N/A	1.7 (±1.3)	1.5 (±0.8)	2.4 (±1.7)
RACE									
WHITE	1.0 (±0.6)	1.3 (±0.9)	0.8 (±0.8)	0.9 (±0.6)	0.8 (±0.3)	N/A	0.8 (±1.4)	0.9 (±0.6)	1.3 (±1.9)
BLACK	1.3 (±1.0)	1.8 (±1.3)	0.9 (±0.7)	1.1 (±0.5)	0.8 (±0.4)	N/A	1.2 (±1.1)	0.8 (±0.6)	1.7 (±1.2)
GRADE									
6	0.9 (±0.7)	1.1 (±0.7)	0.6 (±0.6)	0.4 (±0.5)	0.6 (±0.4)	N/A	1.2 (±2.4)	1.0 (±0.8)	0.2 (±0.9)
7	2.0 (±1.2)	1.9 (±1.9)	0.6 (±0.8)	1.3 (±0.7)	0.7 (±0.3)	N/A	0.9 (±1.1)	0.6 (±0.5)	1.0 (±1.3)
8	0.7 (±0.9)	2.0 (±1.3)	1.2 (±1.0)	1.2 (±0.6)	1.4 (±0.5)	N/A	0.7 (±1.0)	1.1 (±0.8)	1.9 (±1.6)



## methods

### BACKGROUND

The Centers for Disease Control and Prevention's (CDC) Office on Smoking and Health (OSH) provides technical assistance to the states to administer this survey. Mississippi has administered the Youth Tobacco Survey (YTS) in 1998, 1999, 2000, 2002, 2003, 2004, 2006, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, and 2019.

**THE PURPOSE OF THE YTS** is to provide states with the data needed to design, implement, and evaluate comprehensive tobacco control programs that work to prevent young people from beginning tobacco use and help those who have already started using tobacco to quit.

**THE YTS COLLECTS DATA** from students in grades 6 through 12.

**YTS DATA** provide information on many key intermediate and long-term tobacco-related indicators, allowing states to measure progress toward state goals and objectives.

### SAMPLE DESIGN

A multi-stage sample design was applied with public middle and high schools selected proportional to enrollment size. Classrooms were chosen randomly within selected schools, and all students in selected classes were eligible for participation. Data were collected by means of an

anonymous and confidential self-administered questionnaire. The questionnaires were group-administered in classrooms during a normal class period by teachers following standardized procedures.

### EDITING, WEIGHTING, AND INITIAL ANALYSIS OF DATA

The Research Triangle Institute and the CDC's Office of Smoking and Health provided technical assistance with the processing and weighting of the data. A weighting factor was applied to each student record to adjust for non-response at the school, class, and student levels. SUDAAN statistical software was used to calculate standard errors for estimates and 95 percent confidence intervals. Weight adjustments were made for the following:

**WEIGHT** =  $W1 * W2 * f1 * f2 * f3 * f4$

**W1** = inverse of the probability of selecting the school

**W2** = inverse of the probability of selecting the classroom within the school

**F1** = a school-level non-response adjustment factor calculated by school size (small, medium, large)

**F2** = a class adjustment factor calculated by school

**F3** = a student-level non-response adjustment factor calculated by class

**F4** = a post stratification adjustment factor calculated by gender and grade

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