

2017



The  
Mississippi  
*youth*  
*tobacco*  
S U R V E Y  
.....

1998 -



- 2016

**NO SMOKING**

***INCLUDING***

Electronic Cigarettes  
or

Smoke by Vaporization

mississippi tobacco data



# background

In 1998, the state of Mississippi approved a tobacco prevention pilot program that resulted in the formation of The Partnership for a Healthy Mississippi. The Partnership implemented most of its tobacco control programs by 1999, and at the conclusion of the pilot program, approximately \$20 million annually was court-ordered to go directly to

The Partnership from the state's tobacco settlement. In addition to these funds, the Mississippi State Department of Health (MSDH) received funds from the Centers for Disease Control and Prevention through a cooperative agreement to implement and enhance tobacco prevention and cessation efforts.

In 2006, Governor Haley Barbour, the state Division of Medicaid, and the Health Care Trust Fund filed motions to vacate the December 2000 order and direct the \$20 million away from tobacco prevention and into the trust fund. This motion was successful. As of June 1, 2006, counter-marketing campaigns were no longer airing, and the college program for the 18 to 24-year-old market ended. As of November 30, 2006, The Partnership ceased funding of cessation programs, including a statewide quitline and

regional tobacco cessation treatment clinics, a law enforcement program, and numerous statewide and after-school programs.

In 2007, the Mississippi Legislature called for the development, implementation, and funding of a comprehensive and statewide tobacco education, prevention, and cessation program that is consistent with the Best Practices for Tobacco Control Programs of the federal Centers for Disease Control and Prevention. The FY2008 allocated \$8 million for the Office of Tobacco Control, MSDH, to create a state tobacco prevention and cessation program. Funding at this level was sustained for FY2009, FY2010, FY2011, FY2012, FY2013, FY2014, FY2015, and FY2016.

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## 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 82% since 1998, leading to 18,002 fewer young smokers.
  - \* Current smoking among public high school students has decreased by 69% since 1998, leading to 28,069 fewer young smokers.
  - \* The prevalence of having ever tried smoking has decreased by 69% since 1998, leading to 39,969 fewer middle school students who have tried smoking.
- 
- \* The prevalence of having ever tried smoking has decreased by 58% since 1998, leading to 58,422 fewer high school students who have tried smoking.
  - \* Frequent smoking has decreased by 92% since 1998, leading to 5,143 fewer middle school students who are frequent smokers.
  - \* Frequent smoking has decreased by 81% since 1998, leading to 15,579 fewer high school students who are frequent smokers.



## { smokeless tobacco }

- \* Current smokeless tobacco (SLT) use among public middle school students has decreased by 58% since 1998, leading to 6,001 fewer young SLT users.
- \* The prevalence of having ever tried SLT has decreased by 56% since 1998, leading to 10,930 fewer middle school students who have tried SLT.
- \* The prevalence of having ever tried SLT has decreased by 46% since 1998, leading to 16,116 fewer high school students who have tried SLT.

## { cigars }

- \* Current cigar smoking among public middle school students has decreased by 79% since 1998, leading to 13,823 fewer young cigar smokers.
- \* Current cigar smoking among public high school students has decreased by 59% since 1998, leading to 17,594 fewer young cigar smokers.

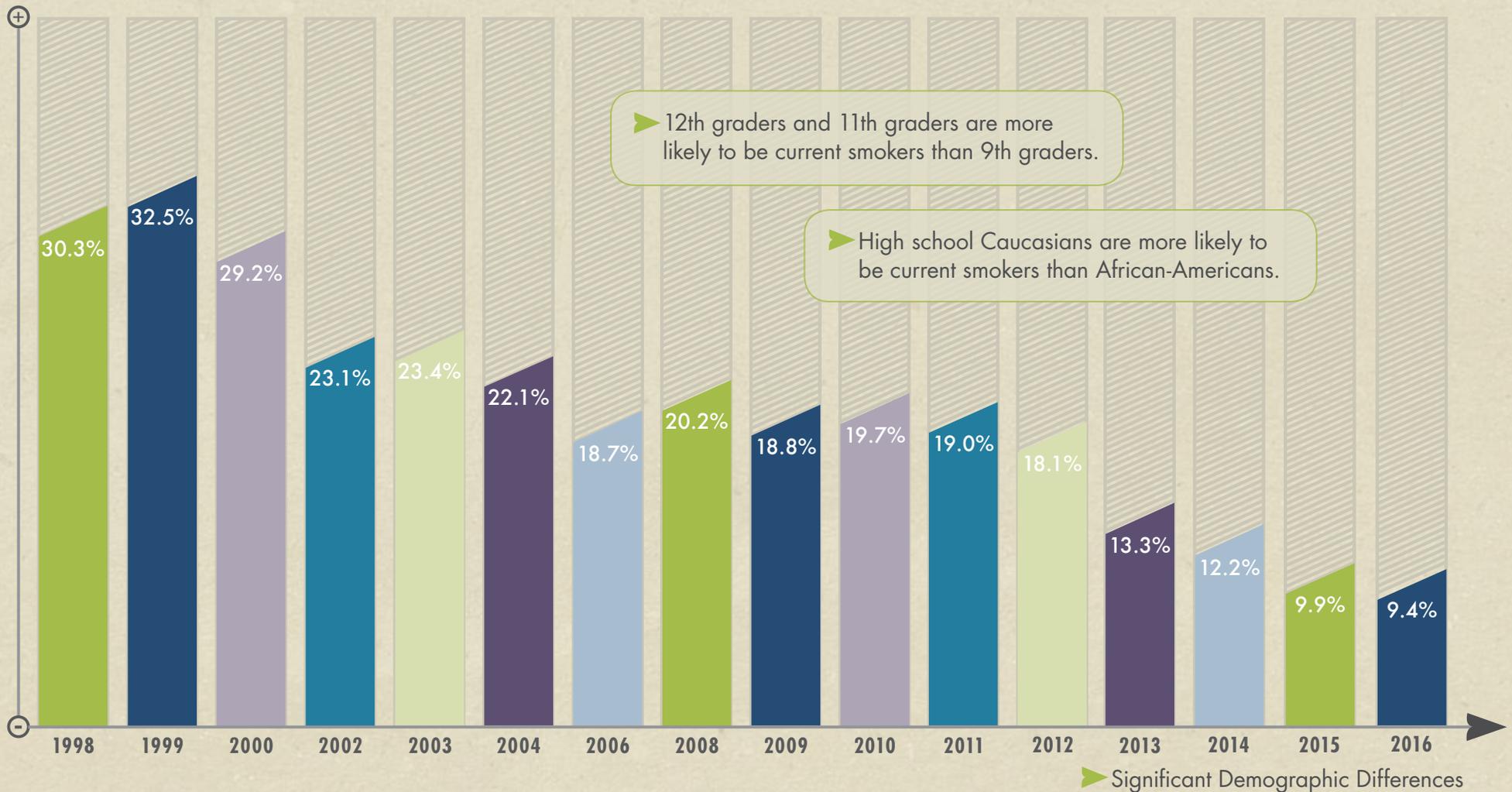


## key outcomes

- \* The prevalence of having ever tried cigar smoking has decreased by 71% since 1998, leading to 24,646 fewer middle school students who have tried cigar smoking.
- \* The prevalence of having ever tried cigar smoking has decreased by 57% since 1998, leading to 40,560 fewer high school students who have tried cigar smoking.

# current cigarette smoking

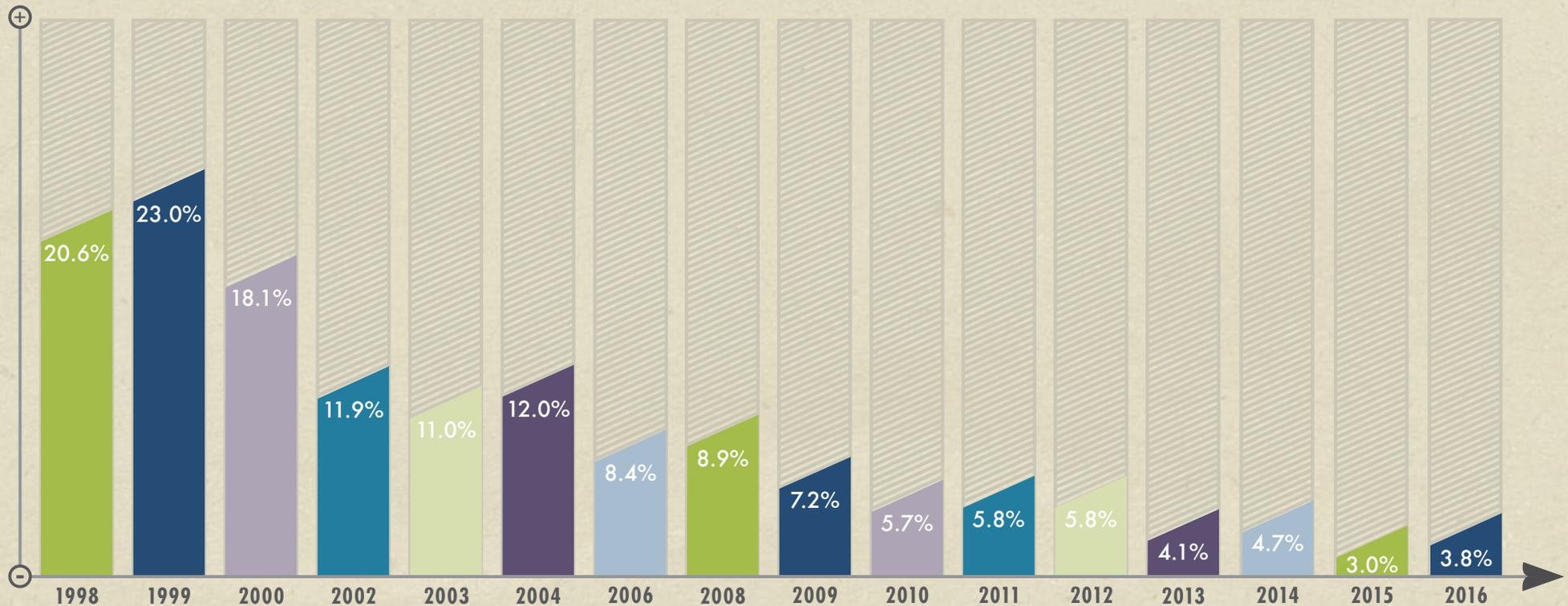
## MS PUBLIC HIGH SCHOOLS



- \* In 2016, *12,624 Mississippi public high school students* were current smokers.
- \* The prevalence of current smoking has *decreased by 69%* since 1998, leading to 28,069 fewer young smokers.
- \* In the past year, the prevalence of current smoking *has not changed significantly*.

# current cigarette smoking

## MS PUBLIC MIDDLE SCHOOLS



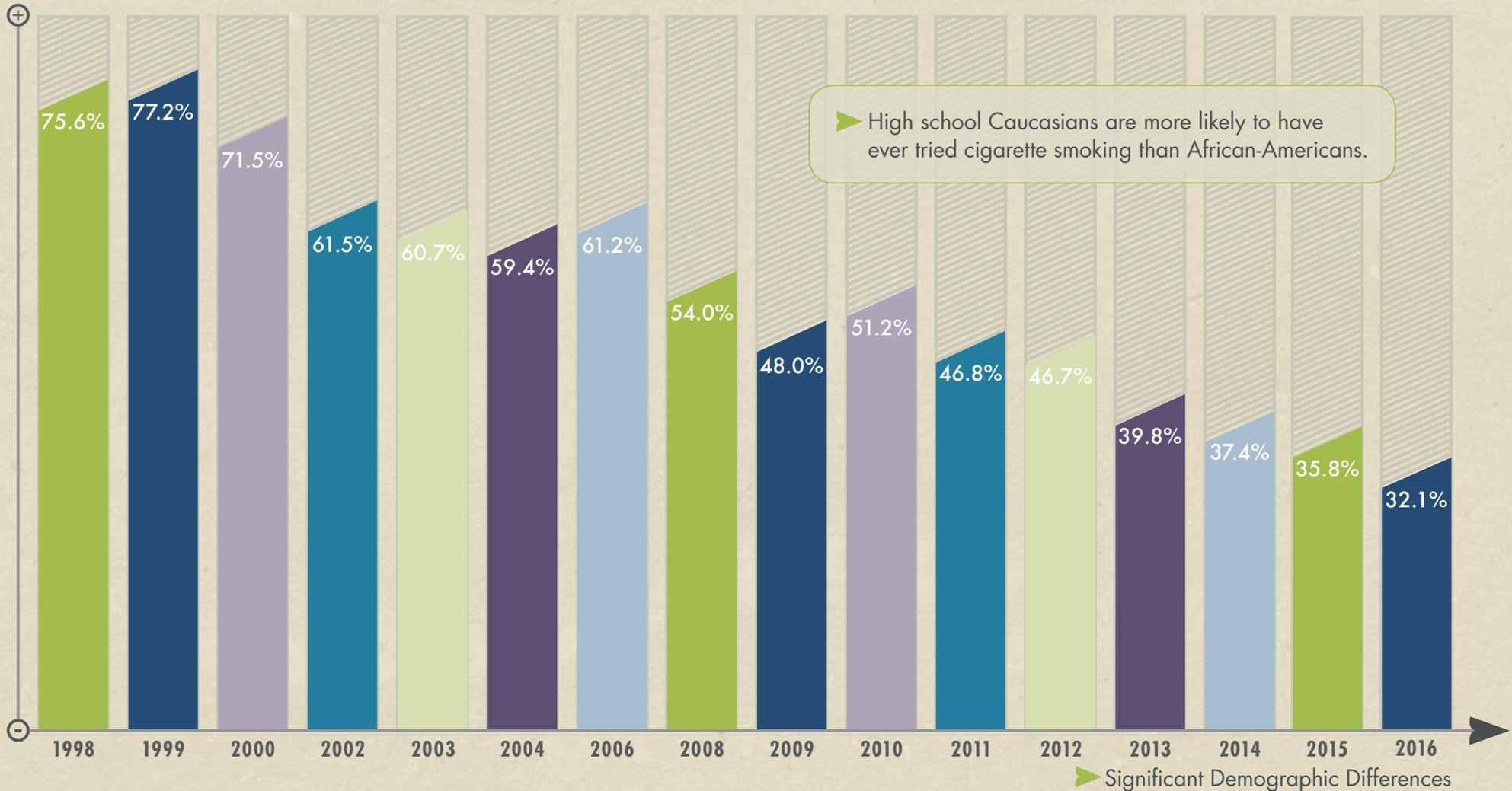
\* In 2016, *4,072 Mississippi public middle school students* were current smokers.

\* The prevalence of current smoking has *decreased by 82%* since 1998, leading to 18,002 fewer young smokers.

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

# ever tried a cigarette

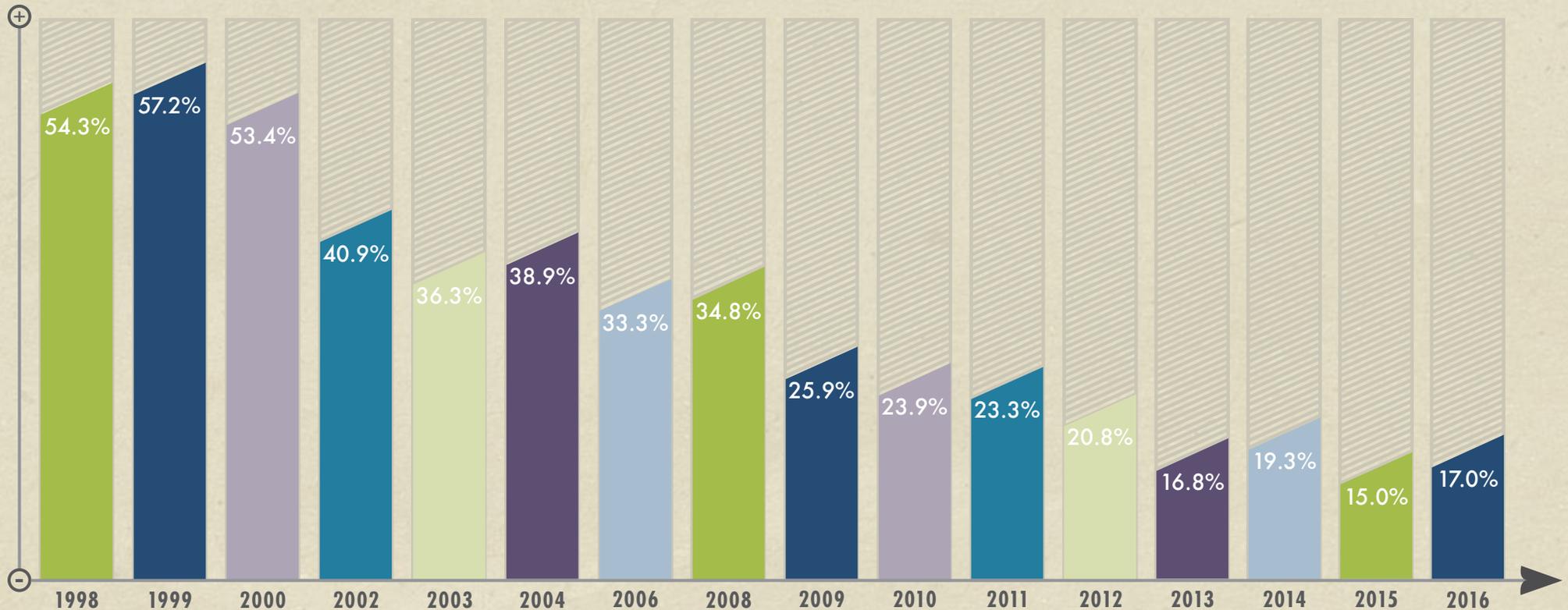
## MS PUBLIC HIGH SCHOOLS



- \* In 2016, *43,111 Mississippi public high school students* had tried at least one cigarette.
- \* The prevalence of having ever tried a cigarette has *decreased by 58%* since 1998, leading to 58,422 fewer high school students who have tried smoking.
- \* In the past year, the prevalence of having ever tried smoking *has not changed significantly*.

# ever tried a cigarette

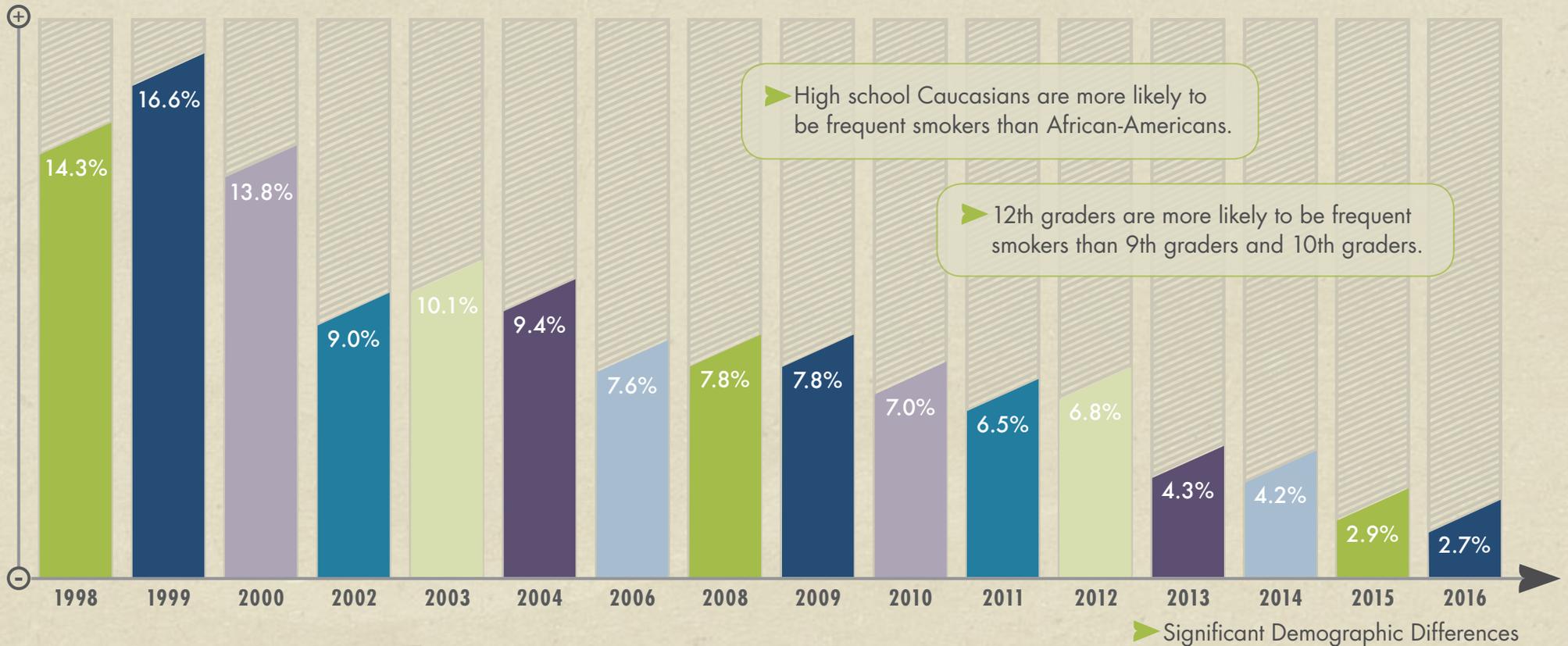
## MS PUBLIC MIDDLE SCHOOLS



- \* In 2016, *18,217 Mississippi public middle school students* had tried at least one cigarette.
- \* The prevalence of having ever tried a cigarette has *decreased by 69%* since 1998, leading to *39,969* fewer middle school students who have tried smoking.
- \* In the past year, the prevalence of having ever tried smoking *has not changed significantly*.

# frequent cigarette smoking

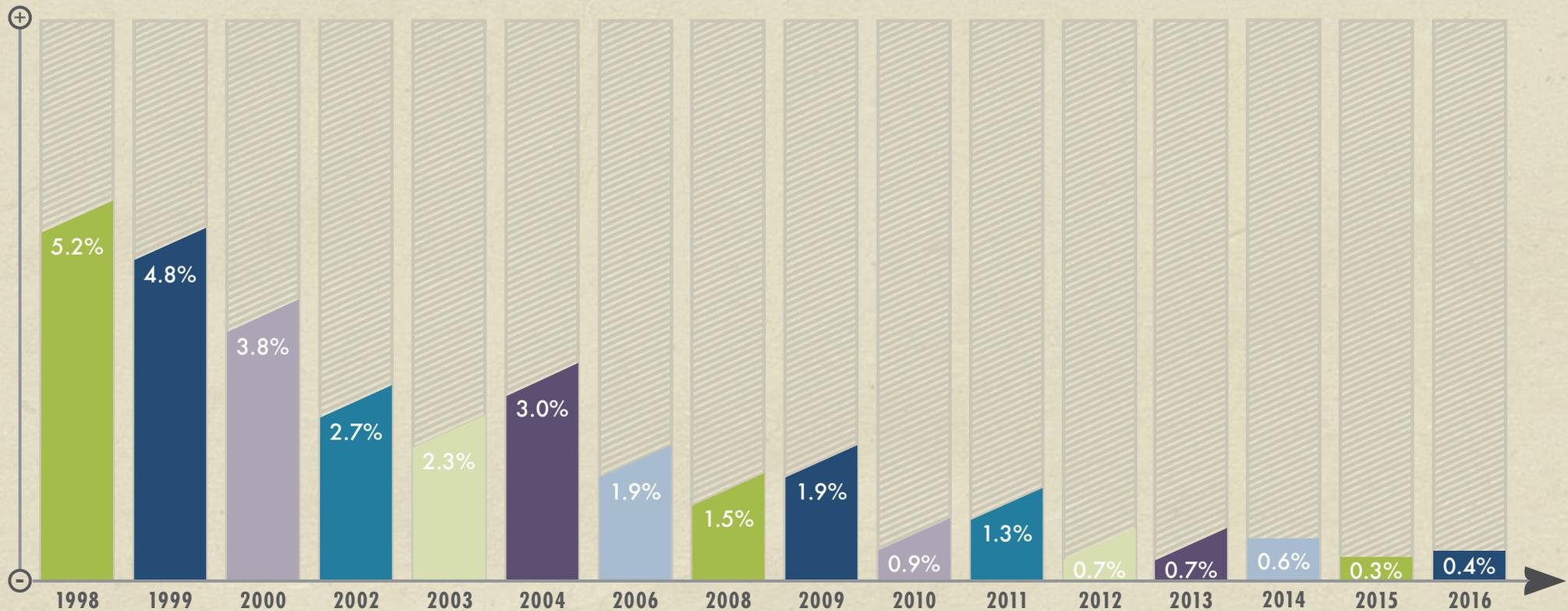
## MS PUBLIC HIGH SCHOOLS



- \* In 2016, *3,626 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 81%* since 1998, leading to 15,579 fewer high school students who are frequent smokers.
- \* In the past year, the prevalence of frequent smoking *has not changed significantly*.

# frequent cigarette smoking

## MS PUBLIC MIDDLE SCHOOLS

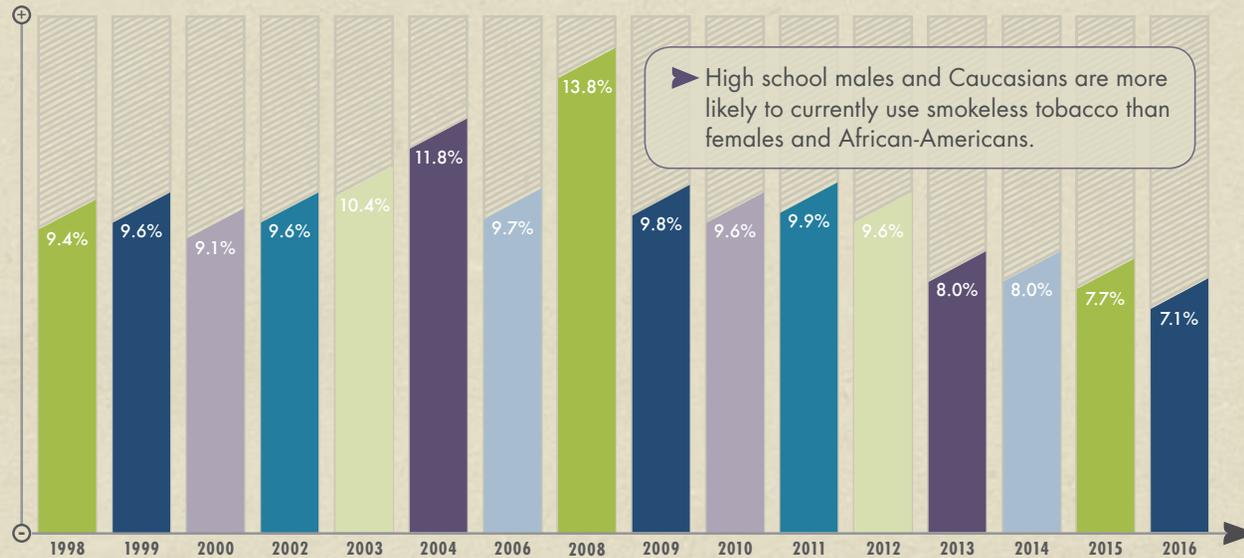


- \* In 2016, *429 Mississippi public middle school students* had smoked cigarettes on at least 20 of the past 30 days.
- \* The prevalence of frequent smoking has *decreased by 92%* since 1998, leading to 5,143 fewer middle school students who are frequent smokers.
- \* In the past year, the prevalence of frequent smoking *has not changed significantly*.

# current smokeless tobacco use

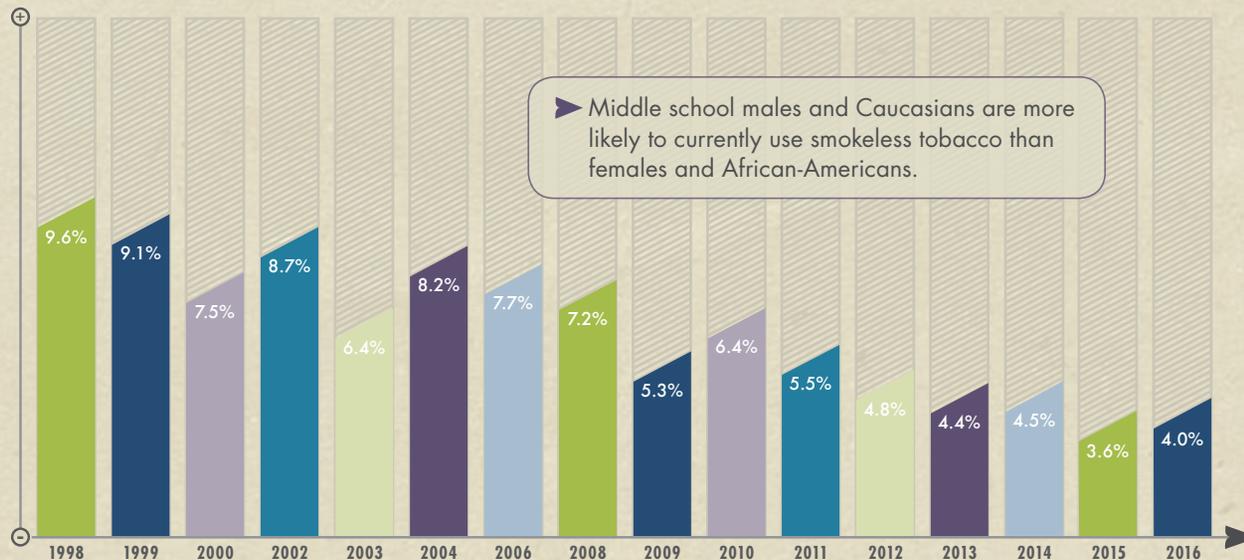
## MISSISSIPPI PUBLIC SCHOOLS

HIGH SCHOOLS



- \* In 2016, *9,536 Mississippi public high school students* were current SLT users.
- \* Since 1998, the prevalence of current SLT use *has not changed significantly*.
- \* In the past year, the prevalence of current SLT use *has not changed significantly*.

MIDDLE SCHOOLS

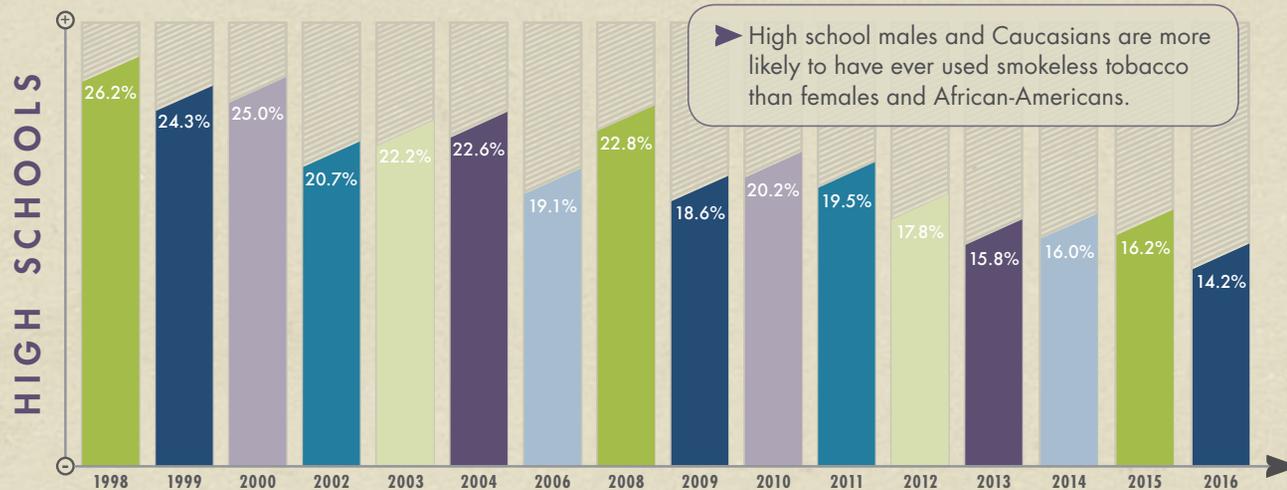


- \* In 2016, *4,286 Mississippi public middle school students* were current SLT users.
- \* The prevalence of current SLT use has *decreased by 58%* since 1998, leading to 6,001 fewer young SLT users.
- \* In the past year, the prevalence of current SLT use *has not changed significantly*.

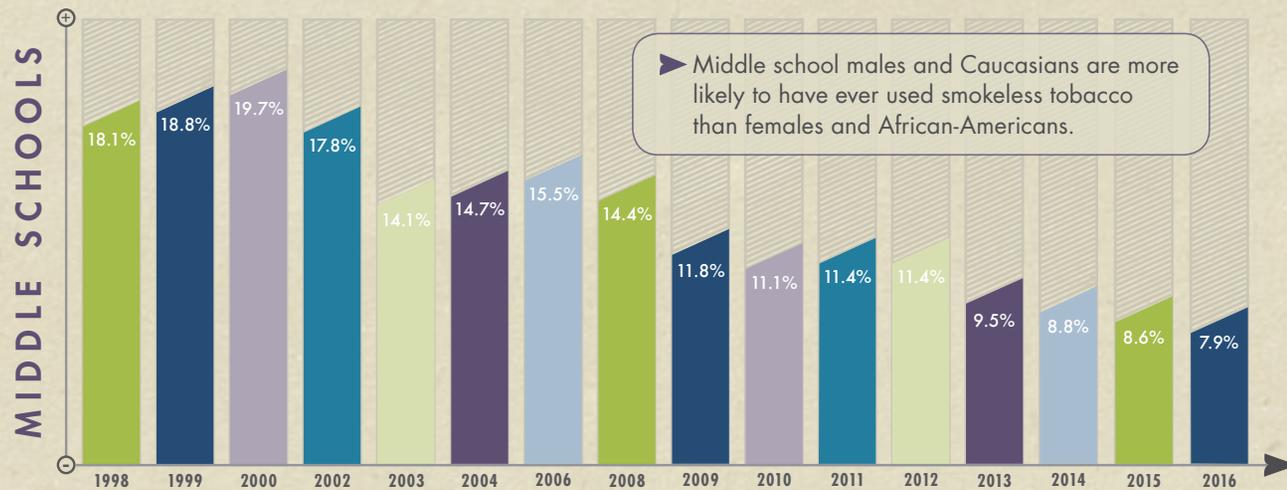
► Significant Demographic Differences

# ever tried smokeless tobacco

## MISSISSIPPI PUBLIC SCHOOLS



- \* In 2016, *19,071 Mississippi public high school students* had tried SLT.
- \* The prevalence of having ever tried SLT has *decreased by 46%* since 1998, leading to 16,116 fewer high school students who have tried SLT.
- \* In the past year, the prevalence of having ever tried SLT *has not changed significantly*.



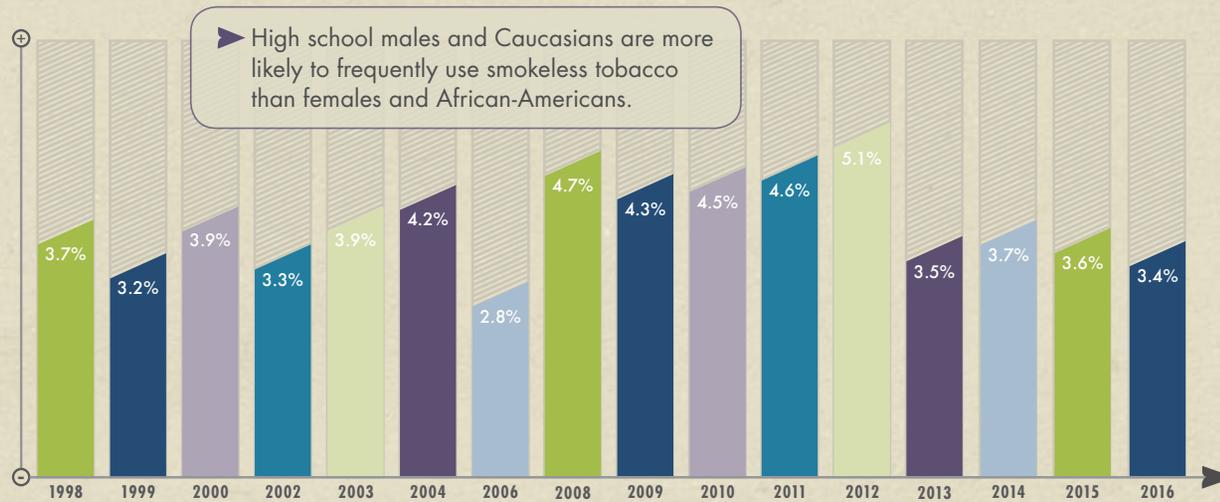
- \* In 2016, *8,465 Mississippi public middle school students* had tried SLT.
- \* The prevalence of having ever tried SLT has *decreased by 56%* since 1998, leading to 10,930 fewer middle school students who have tried SLT.
- \* In the past year, the prevalence of having ever tried SLT *has not changed significantly*.

► Significant Demographic Differences

# frequent smokeless tobacco use

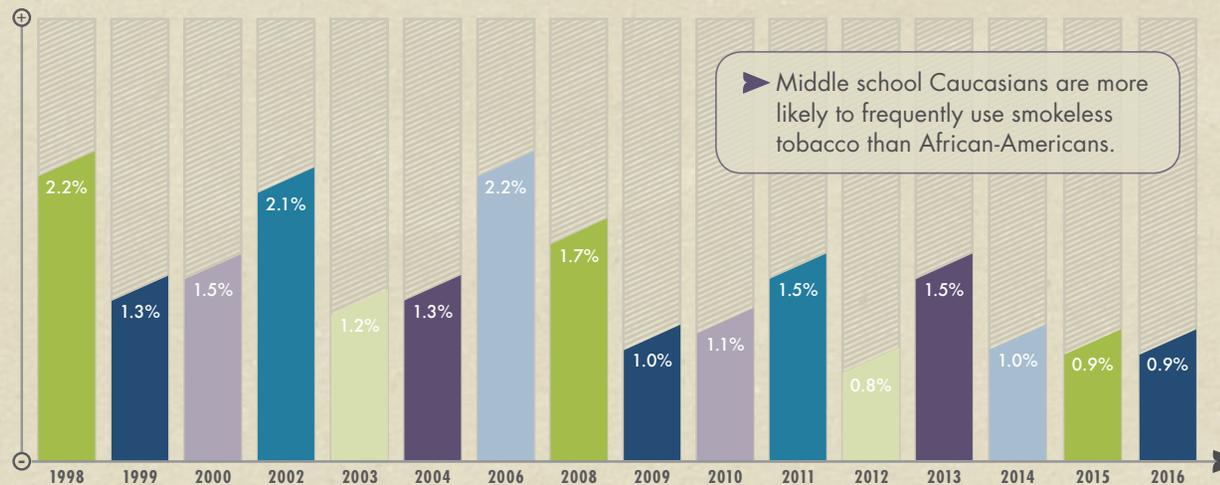
## MISSISSIPPI PUBLIC SCHOOLS

HIGH SCHOOLS



- \* In 2016, *4,566 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*.

MIDDLE SCHOOLS



- \* In 2016, *964 Mississippi public middle 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*.

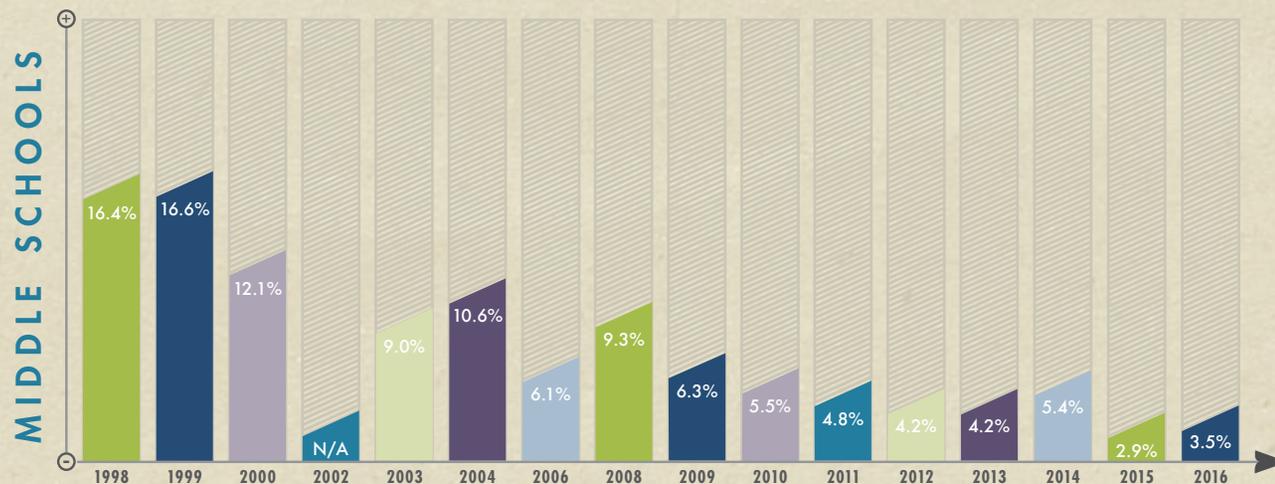
Significant Demographic Differences

# current cigar smoking

## MISSISSIPPI PUBLIC SCHOOLS



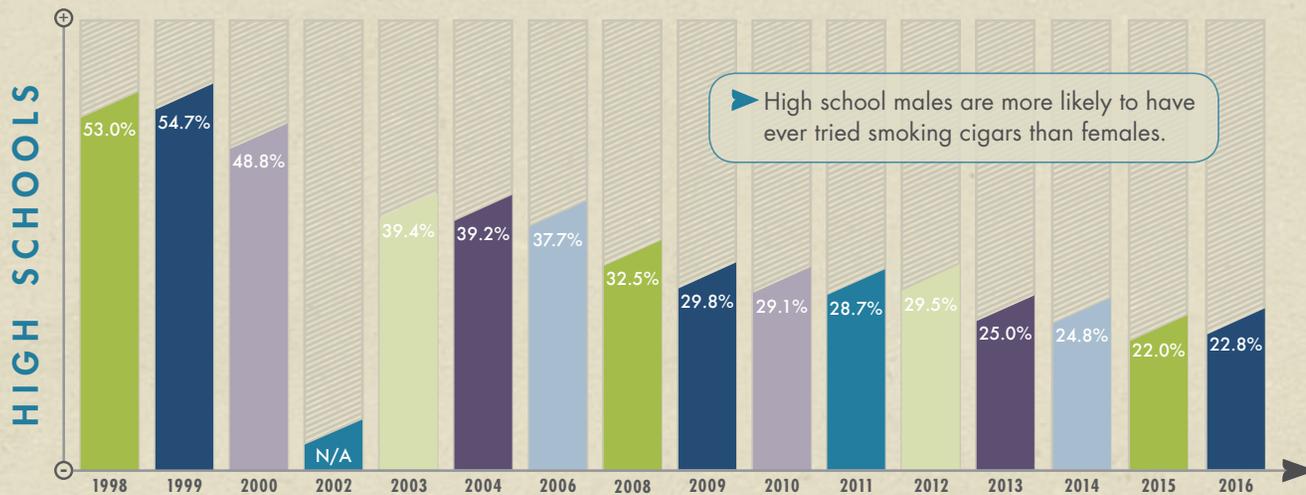
- \* In 2016, *12,356 Mississippi public high school students* were current cigar smokers.
- \* The prevalence of current cigar smoking has *decreased by 59%* since 1998, leading to 17,594 fewer young cigar smokers.
- \* In the past year, the prevalence of current cigar smoking *has not changed significantly*.



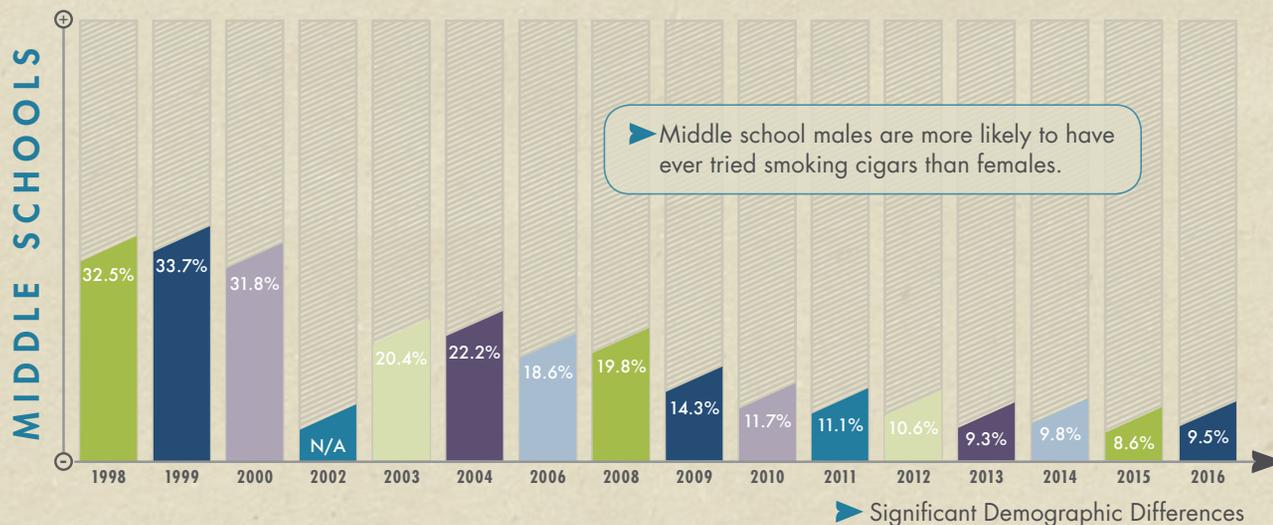
- \* In 2016, *3,750 Mississippi public middle school students* were current cigar smokers.
- \* The prevalence of current cigar smoking has *decreased by 79%* since 1998, leading to 13,823 fewer young cigar smokers.
- \* In the past year, the prevalence of current cigar smoking *has not changed significantly*.

# ever tried a cigar

## MISSISSIPPI PUBLIC SCHOOLS



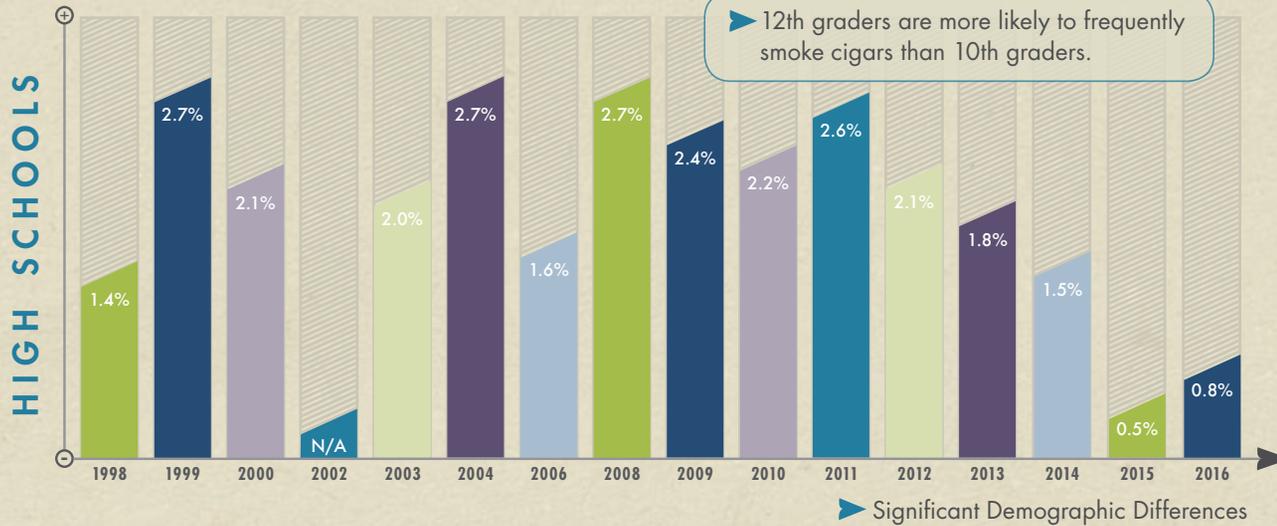
- \* In 2016, *30,621 Mississippi public high school students* had tried at least one cigar.
- \* The prevalence of having ever tried a cigar has *decreased by 57%* since 1998, leading to 40,560 fewer high school students who have tried smoking cigars.
- \* In the past year, the prevalence of having ever tried smoking cigars *has not changed significantly*.



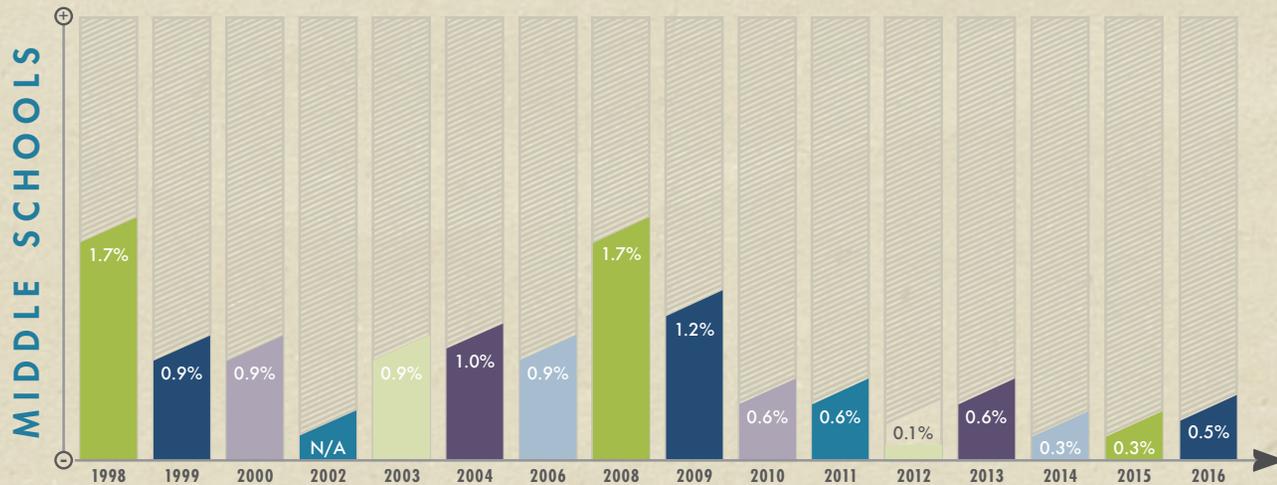
- \* In 2016, *10,180 Mississippi public middle school students* had tried at least one cigar.
- \* The prevalence of having ever tried a cigar has *decreased by 71%* since 1998, leading to 24,646 fewer middle school students who have tried cigar smoking.
- \* In the past year, the prevalence of having ever tried smoking cigars *has not changed significantly*.

# frequent cigar smoking

## MISSISSIPPI PUBLIC SCHOOLS



- \* In 2016, *1,074 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*.

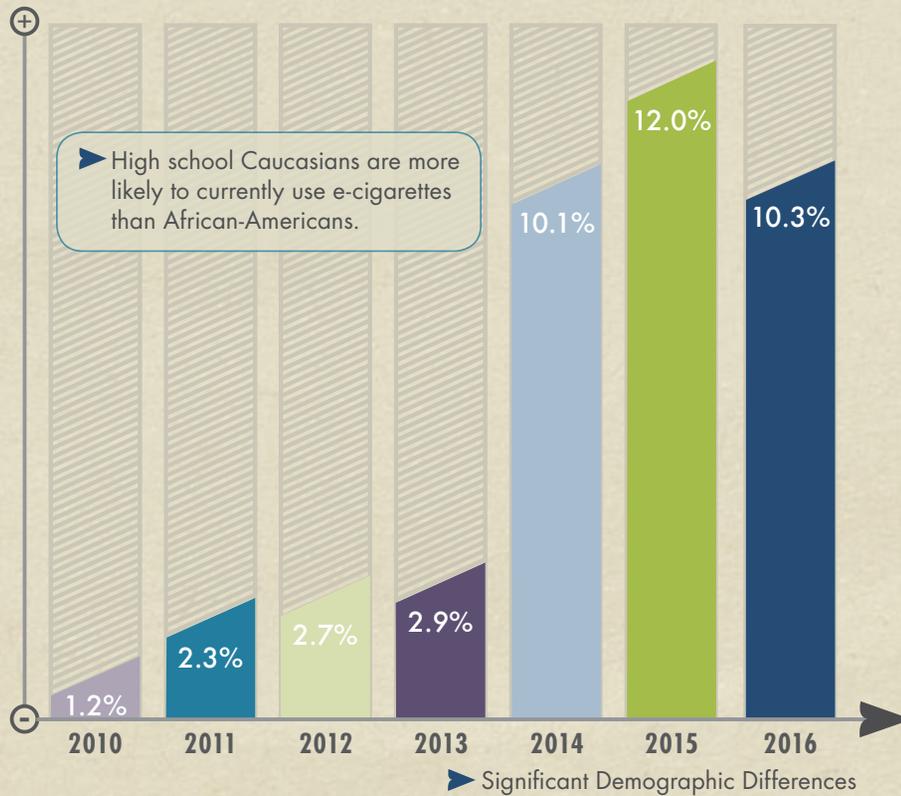


- \* In 2016, *536 Mississippi public middle school students* had smoked cigars on at least 20 of the past 30 days.
- \* Since 1998, the prevalence of frequent cigar smoking *has not changed significantly*.
- \* In the past year, the prevalence of frequent cigar smoking *has not changed significantly*.

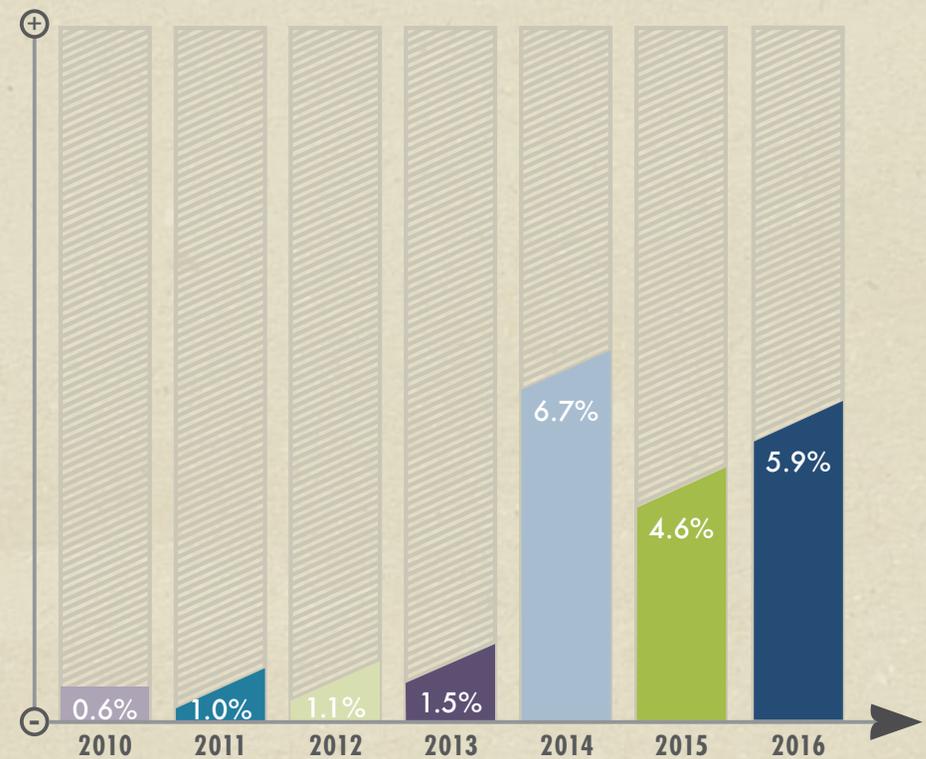
# current electronic cigarette use

## MISSISSIPPI PUBLIC SCHOOLS

### HIGH SCHOOLS {2010-2016}



### MIDDLE SCHOOLS {2010-2016}

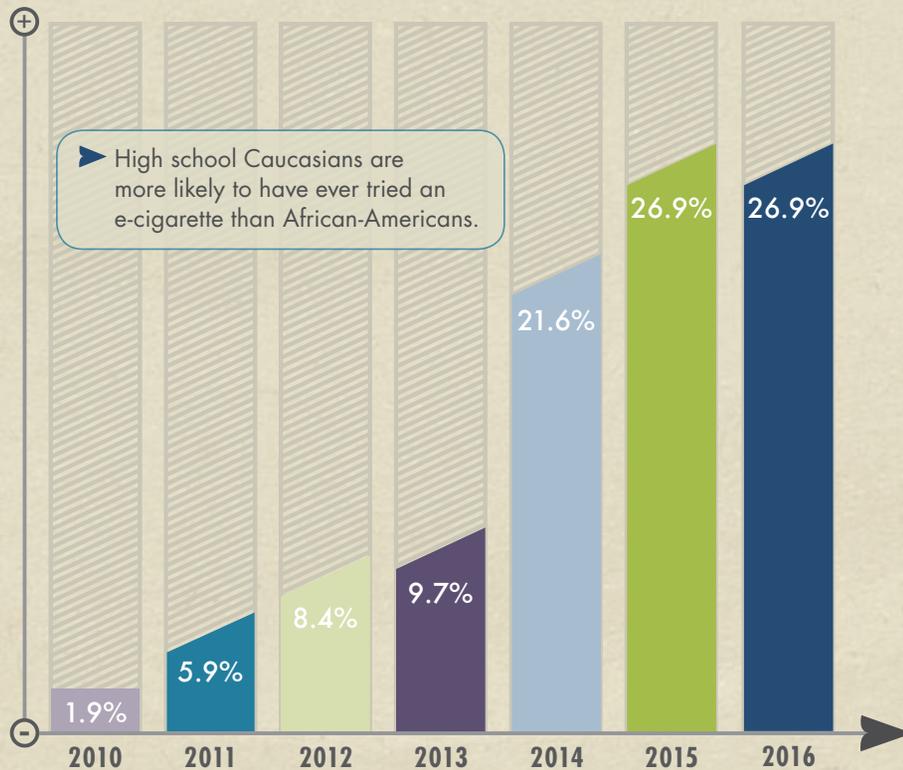


Changes between 2013 and 2014 in the wording and placement of questions about the use of e-cigarettes might have had an impact on reported use of these products.

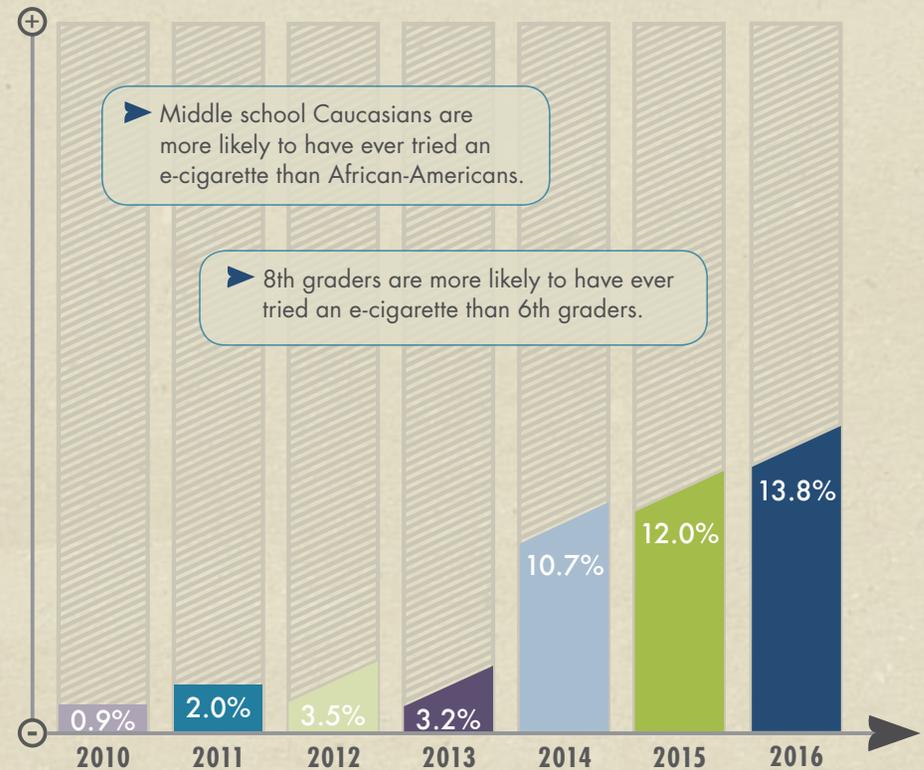
# ever tried an electronic cigarette

## MISSISSIPPI PUBLIC SCHOOLS

### HIGH SCHOOLS {2010-2016}



### MIDDLE SCHOOLS {2010-2016}



► Significant Demographic Differences

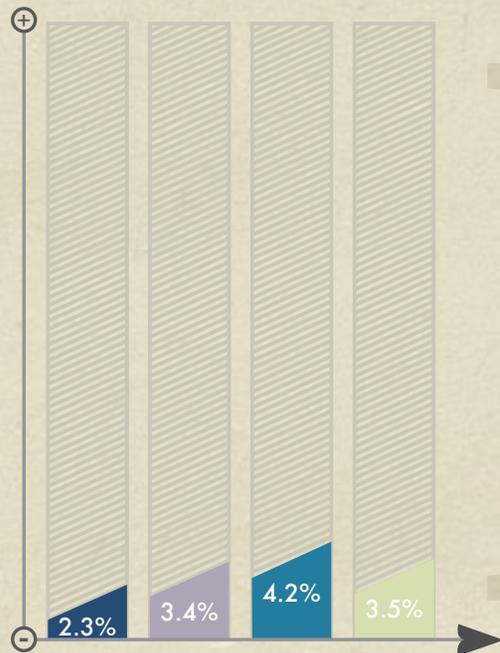


*Changes between 2013 and 2014 in the wording and placement of questions about the use of e-cigarettes might have had an impact on reported use of these products.*

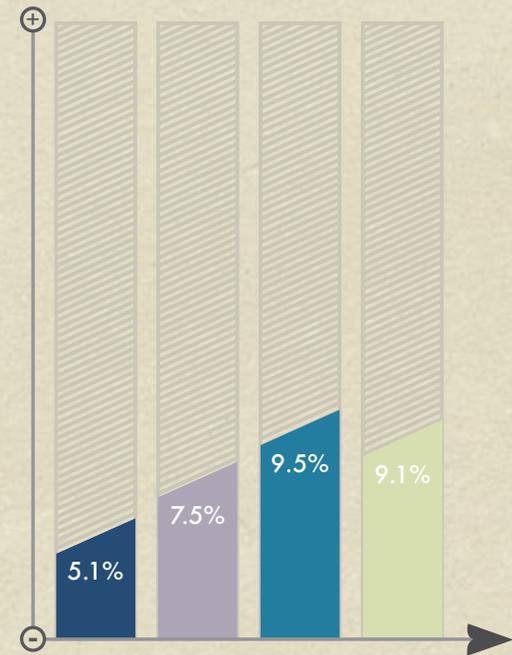
# other tobacco & nicotine use

## MS PUBLIC HIGH SCHOOLS

CURRENT USE {2016}



EVER USE {2016}

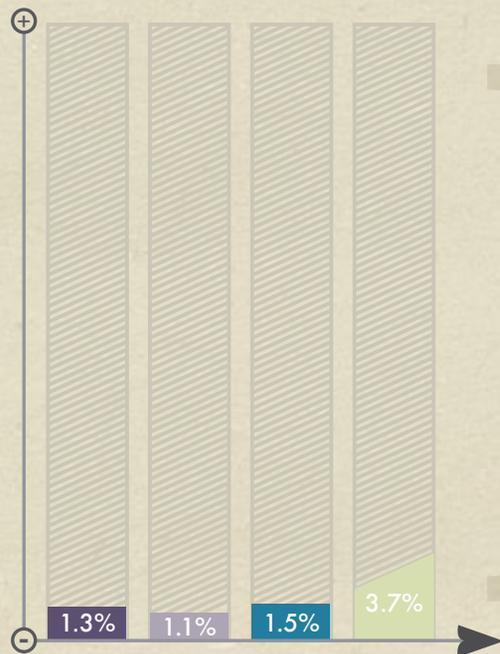


hookah  
 flavored little cigars  
 flavored cigarettes  
 roll your own

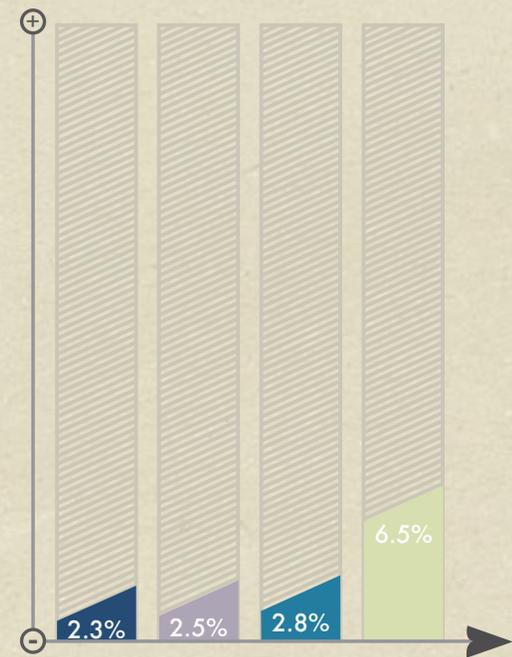
# other tobacco & nicotine use

## MS PUBLIC MIDDLE SCHOOLS

### CURRENT USE {2016}



### EVER USE {2016}



- hookah
- flavored little cigars
- flavored cigarettes
- roll your own

Mississippi Youth Tobacco Use {1998-2016} Current Cigarette Smoking - Public High School

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

	2008	2009	2010	2011	2012	2013	2014	2015	2016
TOTAL	20.2 (±4.4)	18.8 (±2.2)	19.7 (±2.5)	19.0 (±3.8)	18.1 (±4.0)	13.3 (±3.0)	12.2 (±2.5)	9.9 (±1.9)	9.4 (±1.8)
SEX									
FEMALE	15.7 (±3.8)	15.6 (±3.0)	17.8 (±3.6)	13.9 (±3.3)	15.8 (±4.6)	11.4 (±3.7)	9.6 (±2.4)	5.9 (±1.7)	9.0 (±2.8)
MALE	24.8 (±5.8)	22.2 (±3.1)	21.5 (±3.0)	24.3 (±5.3)	20.3 (±4.9)	15.2 (±3.2)	14.9 (±3.3)	14.1 (±3.0)	9.9 (±1.9)
RACE									
WHITE	28.9 (±5.4)	27.6 (±3.7)	29.0 (±3.3)	27.9 (±4.5)	25.6 (±6.0)	20.2 (±3.9)	17.5 (±4.3)	16.0 (±2.2)	14.9 (±3.7)
BLACK	10.1 (±6.0)	9.8 (±2.5)	11.1 (±2.1)	11.1 (±3.6)	11.2 (±3.1)	7.1 (±2.9)	7.1 (±1.7)	3.4 (±1.8)	4.4 (±1.5)
GRADE									
9	17.7 (±7.4)	14.4 (±3.5)	14.7 (±4.2)	12.8 (±5.8)	10.8 (±3.6)	6.9 (±3.9)	8.9 (±2.7)	6.8 (±2.4)	5.2 (±2.3)
10	19.0 (±6.1)	20.0 (±3.3)	20.0 (±4.7)	19.2 (±5.7)	20.8 (±6.4)	12.5 (±5.1)	9.7 (±3.1)	11.4 (±3.5)	7.4 (±2.8)
11	15.5 (±7.5)	19.8 (±3.1)	22.0 (±4.1)	19.4 (±5.2)	19.6 (±5.9)	14.7 (±4.8)	12.8 (±5.5)	7.6 (±3.3)	12.2 (±4.2)
12	29.9 (±8.2)	22.8 (±6.3)	23.9 (±6.3)	27.0 (±5.1)	22.6 (±9.3)	21.3 (±5.3)	19.7 (±7.0)	14.4 (±5.4)	14.0 (±4.7)

Mississippi Youth Tobacco Use {1998-2016} Current Cigarette Smoking - Public Middle School

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

	2008	2009	2010	2011	2012	2013	2014	2015	2016
TOTAL	8.9 (±2.0)	7.2 (±1.7)	5.7 (±1.5)	5.8 (±1.8)	5.8 (±1.8)	4.1 (±1.3)	4.7 (±1.5)	3.0 (±0.9)	3.8 (±1.0)
SEX									
FEMALE	6.9 (±2.8)	6.2 (±1.8)	4.4 (±1.8)	4.7 (±2.5)	5.0 (±2.0)	3.4 (±1.6)	3.2 (±1.4)	2.5 (±1.2)	2.5 (±1.0)
MALE	11.0 (±2.3)	8.0 (±2.5)	6.8 (±1.9)	6.7 (±2.2)	6.6 (±2.4)	4.6 (±1.5)	6.2 (±2.3)	3.5 (±1.1)	4.9 (±2.0)
RACE									
WHITE	11.2 (±3.0)	8.8 (±3.1)	6.2 (±2.0)	6.0 (±2.1)	7.7 (±2.7)	4.9 (±1.8)	4.9 (±2.7)	4.1 (±1.4)	4.1 (±1.2)
BLACK	6.9 (±1.9)	5.6 (±2.0)	5.2 (±2.4)	5.1 (±2.5)	3.8 (±2.0)	3.1 (±1.4)	4.4 (±2.0)	1.9 (±1.2)	3.3 (±1.7)
GRADE									
6	4.4 (±2.8)	3.6 (±2.0)	2.8 (±1.8)	2.4 (±1.2)	2.8 (±1.9)	2.9 (±1.2)	2.2 (±2.0)	1.0 (±0.8)	2.6 (±2.0)
7	10.1 (±3.1)	6.7 (±2.7)	6.5 (±1.7)	5.6 (±2.1)	4.4 (±2.5)	3.5 (±1.6)	3.9 (±2.0)	3.4 (±1.6)	4.1 (±1.9)
8	12.5 (±3.8)	11.1 (±3.6)	7.8 (±3.2)	8.0 (±3.9)	10.6 (±3.2)	6.0 (±2.2)	8.0 (±3.6)	4.5 (±1.7)	4.5 (±1.8)



Mississippi Youth Tobacco Use {1998-2016} Ever Tried a Cigarette - Public High School

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

	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>TOTAL</b>	54.0 (±4.5)	48.0 (±3.1)	51.2 (±3.2)	46.8 (±5.1)	46.7 (±3.2)	39.8 (±5.3)	37.4 (±3.7)	35.8 (±5.0)	32.1 (±2.6)
<b>SEX</b>									
FEMALE	48.2 (±4.2)	43.5 (±4.1)	48.7 (±4.0)	41.8 (±5.4)	42.7 (±4.2)	36.6 (±5.6)	33.4 (±3.7)	28.0 (±5.4)	30.4 (±4.4)
MALE	59.7 (±6.3)	53.1 (±3.6)	53.5 (±4.7)	52.4 (±6.4)	50.7 (±4.7)	43.0 (±6.1)	41.0 (±4.9)	43.2 (±6.1)	33.6 (±2.9)
<b>RACE</b>									
WHITE	56.2 (±6.3)	53.2 (±5.0)	59.0 (±5.0)	55.5 (±5.7)	51.8 (±5.7)	45.3 (±6.2)	43.0 (±4.5)	44.2 (±5.8)	41.1 (±4.5)
BLACK	50.9 (±7.4)	42.6 (±4.1)	44.0 (±4.0)	38.8 (±5.7)	41.6 (±4.6)	34.7 (±5.9)	31.3 (±4.0)	26.7 (±5.6)	23.3 (±2.9)
<b>GRADE</b>									
9	51.0 (±9.3)	42.3 (±4.8)	42.9 (±5.4)	41.9 (±8.7)	35.2 (±5.8)	27.2 (±7.9)	30.3 (±5.9)	26.1 (±6.5)	26.8 (±5.8)
10	52.1 (±6.8)	50.4 (±4.3)	49.9 (±5.3)	48.5 (±10.0)	50.5 (±7.5)	42.3 (±6.4)	37.1 (±6.7)	37.3 (±5.8)	29.3 (±5.5)
11	48.9 (±8.3)	48.0 (±7.1)	56.6 (±6.8)	43.4 (±8.4)	49.1 (±5.6)	44.0 (±9.9)	39.8 (±5.9)	38.6 (±7.4)	37.1 (±6.9)
12	66.7 (±7.1)	53.3 (±6.5)	58.7 (±5.9)	55.2 (±6.1)	54.4 (±10.9)	48.3 (±8.4)	44.4 (±8.6)	44.0 (±12.2)	37.0 (±6.1)

Mississippi Youth Tobacco Use {1998-2016} Ever Tried a Cigarette - Public Middle School

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

	2008	2009	2010	2011	2012	2013	2014	2015	2016
TOTAL	34.8 (±4.8)	25.9 (±3.5)	23.9 (±3.3)	23.3 (±4.7)	20.8 (±4.5)	16.8 (±3.3)	19.3 (±4.7)	15.0 (±2.5)	17.0 (±3.2)
SEX									
FEMALE	29.9 (±5.6)	23.8 (±4.5)	21.7 (±4.3)	21.6 (±4.8)	17.9 (±4.0)	14.5 (±3.3)	15.0 (±4.0)	13.6 (±3.5)	13.3 (±2.6)
MALE	39.4 (±4.8)	27.9 (±3.8)	26.1 (±3.5)	24.8 (±5.3)	23.7 (±5.8)	19.0 (±3.8)	23.7 (±6.8)	16.4 (±2.9)	20.9 (±5.0)
RACE									
WHITE	31.9 (±6.0)	24.4 (±5.3)	25.4 (±4.6)	22.2 (±6.5)	25.2 (±5.5)	18.0 (±4.3)	17.3 (±5.0)	16.2 (±3.0)	17.2 (±4.1)
BLACK	37.0 (±5.0)	26.7 (±4.4)	22.3 (±4.5)	24.3 (±5.2)	16.5 (±5.0)	15.1 (±3.7)	21.8 (±7.7)	13.8 (±4.8)	16.5 (±4.2)
GRADE									
6	22.5 (±6.7)	18.2 (±4.0)	14.9 (±5.2)	13.1 (±6.3)	12.0 (±5.1)	11.6 (±3.9)	13.5 (±6.2)	8.0 (±3.0)	15.2 (±4.9)
7	36.6 (±5.6)	24.9 (±6.1)	23.8 (±5.1)	23.0 (±4.4)	20.8 (±5.2)	14.8 (±3.2)	20.5 (±9.7)	14.2 (±2.6)	14.7 (±3.7)
8	45.5 (±6.8)	34.3 (±5.4)	33.1 (±6.4)	32.0 (±9.2)	30.2 (±7.4)	24.1 (±5.2)	24.1 (±6.1)	22.1 (±4.7)	21.0 (±4.5)



Mississippi Youth Tobacco Use {1998-2016} Frequent Cigarette Smoking - Public High School

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

	2008	2009	2010	2011	2012	2013	2014	2015	2016
TOTAL	7.8 (±2.6)	7.8 (±1.9)	7.0 (±1.6)	6.5 (±1.8)	6.8 (±2.2)	4.3 (±1.4)	4.2 (±1.8)	2.9 (±1.2)	2.7 (±1.0)
SEX									
FEMALE	6.9 (±2.8)	7.4 (±2.5)	6.6 (±1.9)	4.5 (±1.8)	6.2 (±2.8)	4.5 (±1.7)	3.8 (±2.1)	1.8 (±1.2)	2.9 (±1.6)
MALE	9.0 (±3.3)	8.2 (±2.5)	7.6 (±1.8)	8.6 (±2.4)	7.3 (±2.6)	4.1 (±1.5)	4.5 (±2.0)	4.1 (±1.7)	2.4 (±1.1)
RACE									
WHITE	13.2 (±4.4)	12.9 (±2.8)	11.8 (±2.8)	11.0 (±2.8)	10.9 (±4.3)	7.5 (±1.7)	7.0 (±3.5)	4.4 (±2.0)	4.8 (±2.0)
BLACK	2.4 (±1.8)	2.5 (±1.5)	2.5 (±1.2)	2.4 (±1.3)	3.2 (±1.1)	1.3 (±1.0)	1.3 (±0.8)	1.0 (±0.8)	0.8 (±0.6)
GRADE									
9	5.4 (±2.7)	5.4 (±2.1)	4.7 (±2.6)	3.4 (±1.9)	2.7 (±1.5)	1.5 (±1.7)	2.9 (±2.1)	1.4 (±1.0)	0.9 (±0.7)
10	6.2 (±3.3)	7.6 (±3.1)	6.2 (±2.5)	4.9 (±2.8)	7.1 (±3.5)	4.4 (±2.1)	2.8 (±1.5)	3.3 (±2.3)	1.4 (±1.0)
11	6.6 (±5.1)	8.2 (±3.6)	7.5 (±3.1)	6.2 (±2.7)	6.3 (±3.2)	4.7 (±2.6)	4.6 (±2.3)	2.4 (±1.9)	2.8 (±2.1)
12	14.9 (±4.5)	11.3 (±3.5)	10.9 (±5.0)	12.9 (±4.0)	12.5 (±7.3)	7.4 (±3.1)	7.3 (±5.2)	4.9 (±2.7)	6.1 (±2.7)

Mississippi Youth Tobacco Use {1998-2016} Frequent Cigarette Smoking - Public Middle School

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

	2008	2009	2010	2011	2012	2013	2014	2015	2016
TOTAL	1.5 (±0.7)	1.9 (±0.8)	0.9 (±0.4)	1.3 (±0.8)	0.7 (±0.4)	0.7 (±0.4)	0.6 (±0.5)	0.3 (±0.2)	0.4 (±0.3)
SEX									
FEMALE	0.6 (±0.5)	1.8 (±0.8)	0.4 (±0.3)	0.4 (±0.4)	1.0 (±0.7)	0.4 (±0.4)	0.4 (±0.5)	0.1 (±0.2)	0.2 (±0.3)
MALE	2.4 (±1.1)	2.0 (±1.2)	1.4 (±0.8)	2.0 (±1.6)	0.3 (±0.4)	1.0 (±0.7)	0.8 (±0.8)	0.5 (±0.5)	0.7 (±0.6)
RACE									
WHITE	2.1 (±1.2)	3.2 (±1.7)	1.3 (±0.8)	1.3 (±0.8)	1.0 (±0.8)	1.2 (±0.9)	1.1 (±1.0)	0.6 (±0.4)	0.6 (±0.6)
BLACK	0.8 (±0.6)	0.7 (±0.8)	0.3 (±0.4)	1.0 (±1.3)	0.1 (±0.2)	0.2 (±0.4)	0.0 (±0.0)	0.0 (±0.0)	0.2 (±0.3)
GRADE									
6	0.6 (±0.6)	0.7 (±0.6)	0.6 (±0.6)	0.8 (±0.8)	0.4 (±0.7)	0.5 (±0.7)	0.0 (±0.0)	0.0 (±0.0)	0.4 (±0.5)
7	1.2 (±0.8)	2.1 (±1.1)	0.7 (±0.6)	1.3 (±0.7)	0.4 (±0.4)	0.5 (±0.6)	0.6 (±0.7)	0.4 (±0.3)	0.2 (±0.4)
8	2.7 (±1.6)	3.0 (±1.6)	1.4 (±1.0)	0.8 (±0.5)	1.3 (±0.9)	1.1 (±1.1)	1.2 (±0.9)	0.6 (±0.6)	0.7 (±0.8)



Mississippi Youth Tobacco Use {1998-2016} Current Smokeless Tobacco Use - Public High School

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

	2008	2009	2010	2011	2012	2013	2014	2015	2016
TOTAL	13.8 (±3.5)	9.8 (±2.3)	9.6 (±2.9)	9.9 (±2.3)	9.6 (±2.9)	8.0 (±2.1)	8.0 (±1.8)	7.7 (±2.2)	7.1 (±1.7)
SEX									
FEMALE	7.8 (±3.5)	3.4 (±1.4)	2.7 (±1.3)	2.0 (±1.0)	1.7 (±0.8)	2.4 (±1.3)	2.0 (±1.1)	1.5 (±1.1)	1.6 (±1.0)
MALE	20.1 (±4.8)	16.7 (±4.0)	16.6 (±5.2)	18.0 (±4.6)	17.6 (±5.3)	13.6 (±3.3)	13.9 (±3.3)	13.9 (±3.7)	12.5 (±2.8)
RACE									
WHITE	19.1 (±4.1)	16.7 (±3.3)	15.9 (±5.0)	17.3 (±3.5)	16.8 (±3.4)	14.5 (±3.1)	13.3 (±2.6)	13.5 (±2.8)	12.6 (±2.5)
BLACK	7.8 (±5.8)	2.9 (±1.6)	3.8 (±1.2)	3.2 (±1.2)	3.0 (±1.3)	2.2 (±1.3)	2.7 (±1.1)	1.7 (±1.6)	1.7 (±1.0)
GRADE									
9	12.5 (±4.4)	10.0 (±3.8)	8.1 (±3.0)	9.6 (±4.0)	7.0 (±2.4)	7.9 (±3.9)	6.0 (±2.5)	6.4 (±2.4)	6.2 (±1.5)
10	13.3 (±5.3)	11.4 (±3.3)	10.4 (±3.7)	7.8 (±2.6)	13.3 (±6.6)	8.6 (±3.4)	5.9 (±3.4)	9.4 (±4.5)	5.7 (±2.4)
11	12.4 (±7.5)	7.4 (±2.8)	12.0 (±4.7)	10.8 (±4.8)	6.4 (±2.3)	6.5 (±3.5)	10.5 (±3.0)	4.6 (±3.1)	8.3 (±3.3)
12	16.6 (±5.5)	9.9 (±3.4)	8.1 (±4.6)	12.0 (±3.0)	12.1 (±7.6)	8.9 (±3.8)	10.6 (±5.6)	10.1 (±5.8)	8.2 (±4.1)

Mississippi Youth Tobacco Use {1998-2016} Current Smokeless Tobacco Use - Public Middle School

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

	2008	2009	2010	2011	2012	2013	2014	2015	2016
TOTAL	7.2 (±1.6)	5.3 (±1.9)	6.4 (±2.1)	5.5 (±1.5)	4.8 (±1.9)	4.4 (±1.8)	4.5 (±1.8)	3.6 (±1.1)	4.0 (±1.4)
SEX									
FEMALE	1.6 (±0.7)	1.9 (±1.3)	2.5 (±1.4)	1.8 (±0.8)	1.5 (±0.9)	1.0 (±0.8)	1.3 (±0.9)	1.1 (±0.7)	1.4 (±1.1)
MALE	12.3 (±2.7)	8.6 (±3.0)	10.2 (±3.3)	9.0 (±3.0)	8.1 (±3.1)	7.8 (±3.1)	7.7 (±3.3)	5.9 (±2.1)	6.4 (±2.6)
RACE									
WHITE	10.4 (±2.1)	9.3 (±3.0)	10.8 (±2.5)	8.7 (±2.7)	9.0 (±2.7)	8.3 (±3.1)	6.2 (±3.4)	5.4 (±1.6)	6.1 (±2.2)
BLACK	3.9 (±1.7)	1.6 (±0.9)	2.4 (±1.4)	2.0 (±0.8)	1.4 (±1.0)	0.8 (±0.8)	3.0 (±1.7)	1.7 (±1.0)	1.8 (±1.4)
GRADE									
6	4.7 (±2.4)	4.1 (±2.6)	5.3 (±4.1)	3.9 (±2.7)	4.0 (±3.7)	3.0 (±1.7)	2.6 (±2.3)	1.9 (±1.2)	2.8 (±1.8)
7	7.5 (±3.0)	4.6 (±2.2)	7.2 (±2.7)	5.7 (±2.5)	3.3 (±2.0)	3.6 (±2.3)	5.7 (±3.4)	3.9 (±1.4)	3.4 (±2.0)
8	9.5 (±3.3)	7.3 (±4.2)	6.8 (±2.5)	6.7 (±2.8)	7.4 (±3.1)	6.8 (±3.4)	5.4 (±3.2)	4.7 (±2.4)	5.6 (±2.2)



Mississippi Youth Tobacco Use {1998-2016} Ever Tried Smokeless Tobacco - Public High School

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

	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>TOTAL</b>	22.8 (±3.3)	18.6 (±3.9)	20.2 (±3.6)	19.5 (±4.1)	17.8 (±3.8)	15.8 (±3.8)	16.0 (±3.0)	16.2 (±4.0)	14.2 (±2.5)
<b>SEX</b>									
FEMALE	12.6 (±2.5)	9.5 (±2.8)	8.4 (±2.7)	7.5 (±1.9)	6.6 (±1.6)	6.4 (±2.0)	6.7 (±1.9)	5.1 (±2.3)	5.9 (±2.5)
MALE	34.0 (±6.1)	28.3 (±6.0)	32.3 (±5.8)	32.0 (±7.5)	29.3 (±6.2)	25.3 (±5.5)	25.5 (±5.0)	27.7 (±5.6)	22.3 (±3.4)
<b>RACE</b>									
WHITE	32.1 (±4.4)	30.7 (±4.2)	33.5 (±4.3)	33.1 (±5.1)	29.4 (±3.8)	27.8 (±5.3)	27.5 (±3.4)	28.1 (±4.5)	22.7 (±3.7)
BLACK	13.1 (±3.6)	6.6 (±2.6)	8.3 (±2.5)	7.4 (±2.5)	7.0 (±1.9)	5.1 (±2.2)	5.3 (±1.6)	4.6 (±2.2)	6.1 (±2.0)
<b>GRADE</b>									
9	23.3 (±6.5)	17.8 (±5.1)	15.2 (±4.9)	18.7 (±6.0)	13.9 (±3.9)	14.4 (±6.7)	12.3 (±4.3)	13.7 (±4.6)	12.1 (±2.4)
10	25.3 (±7.2)	18.9 (±5.4)	22.7 (±5.3)	16.7 (±6.1)	21.8 (±7.9)	16.3 (±6.3)	15.5 (±5.4)	18.4 (±5.3)	14.1 (±4.0)
11	18.4 (±6.7)	17.6 (±5.4)	20.9 (±4.6)	20.7 (±7.5)	16.8 (±4.7)	14.6 (±5.4)	18.6 (±5.8)	13.3 (±6.4)	13.6 (±3.7)
12	23.2 (±5.2)	20.3 (±6.3)	23.4 (±9.1)	23.1 (±5.5)	19.3 (±8.2)	18.4 (±5.5)	18.9 (±5.5)	19.7 (±8.5)	17.0 (±6.9)

Mississippi Youth Tobacco Use {1998-2016} Ever Tried Smokeless Tobacco - Public Middle School

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

	2008	2009	2010	2011	2012	2013	2014	2015	2016
TOTAL	14.4 (±1.7)	11.8 (±2.8)	11.1 (±3.3)	11.4 (±2.4)	11.4 (±3.6)	9.5 (±2.8)	8.8 (±2.4)	8.6 (±2.3)	7.9 (±2.1)
SEX									
FEMALE	6.9 (±1.4)	6.3 (±1.9)	5.1 (±2.4)	5.9 (±1.6)	5.5 (±2.2)	4.3 (±2.0)	4.1 (±1.7)	4.9 (±1.7)	3.5 (±1.4)
MALE	21.6 (±3.3)	17.1 (±4.6)	16.8 (±4.9)	16.6 (±4.3)	17.0 (±5.5)	14.4 (±4.1)	13.5 (±4.3)	12.1 (±3.8)	12.1 (±3.8)
RACE									
WHITE	20.4 (±2.5)	19.3 (±4.0)	18.4 (±3.7)	17.5 (±4.1)	21.3 (±4.8)	15.9 (±4.2)	12.6 (±4.2)	14.8 (±2.7)	12.8 (±3.3)
BLACK	8.6 (±2.3)	4.9 (±1.8)	4.2 (±2.1)	5.6 (±2.1)	2.4 (±1.2)	3.6 (±1.7)	5.2 (±2.1)	2.4 (±1.4)	2.9 (±1.1)
GRADE									
6	10.2 (±2.9)	8.0 (±3.8)	8.2 (±4.2)	9.4 (±4.3)	8.1 (±5.9)	8.8 (±3.8)	5.9 (±4.0)	4.9 (±2.5)	5.0 (±2.9)
7	14.5 (±3.5)	11.6 (±3.7)	12.8 (±4.5)	10.9 (±3.6)	10.3 (±5.5)	6.9 (±3.4)	9.5 (±4.1)	9.6 (±2.7)	7.4 (±2.6)
8	18.9 (±2.6)	15.9 (±5.6)	12.1 (±5.0)	13.4 (±5.0)	15.8 (±4.6)	12.8 (±4.4)	11.1 (±4.5)	11.0 (±4.8)	11.1 (±3.8)

Mississippi Youth Tobacco Use {1998-2016} Frequent Smokeless Tobacco Use - Public High School

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

	2008	2009	2010	2011	2012	2013	2014	2015	2016
TOTAL	4.7 (±1.5)	4.3 (±1.5)	4.5 (±2.3)	4.6 (±1.6)	5.1 (±2.6)	3.5 (±1.2)	3.7 (±1.5)	3.6 (±1.2)	3.4 (±1.0)
SEX									
FEMALE	1.2 (±0.8)	0.5 (±0.4)	0.5 (±0.5)	0.3 (±0.6)	0.3 (±0.4)	0.2 (±0.3)	0.2 (±0.2)	0.2 (±0.3)	0.1 (±0.2)
MALE	8.6 (±2.9)	8.4 (±3.1)	8.6 (±4.4)	9.0 (±3.0)	9.9 (±5.0)	6.9 (±2.5)	7.2 (±3.0)	6.9 (±2.3)	6.5 (±1.9)
RACE									
WHITE	7.8 (±2.6)	7.7 (±2.6)	8.0 (±3.8)	8.9 (±2.6)	9.3 (±3.7)	6.8 (±2.4)	6.9 (±2.4)	6.6 (±1.6)	6.5 (±2.1)
BLACK	1.8 (±1.7)	0.8 (±1.0)	1.4 (±0.7)	0.8 (±0.8)	1.3 (±1.0)	0.5 (±0.5)	0.5 (±0.5)	0.4 (±0.5)	0.4 (±0.5)
GRADE									
9	4.4 (±2.0)	3.8 (±2.1)	3.3 (±2.2)	3.4 (±2.3)	2.0 (±1.1)	3.3 (±2.7)	1.3 (±1.0)	2.5 (±1.8)	2.3 (±1.2)
10	4.5 (±3.2)	4.9 (±2.2)	3.3 (±2.5)	3.8 (±2.2)	8.1 (±5.7)	3.8 (±1.8)	1.8 (±1.4)	3.4 (±2.3)	2.9 (±1.7)
11	4.4 (±4.0)	4.3 (±2.2)	5.9 (±3.8)	6.1 (±3.3)	3.7 (±1.9)	2.9 (±1.6)	5.3 (±2.8)	2.3 (±1.8)	3.8 (±1.8)
12	5.8 (±3.0)	4.0 (±2.5)	6.1 (±4.2)	5.7 (±2.5)	7.0 (±7.5)	4.1 (±2.5)	7.6 (±5.1)	6.2 (±3.8)	4.9 (±2.3)

Mississippi Youth Tobacco Use {1998-2016} Frequent Smokeless Tobacco Use - Public Middle School

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

	2008	2009	2010	2011	2012	2013	2014	2015	2016
TOTAL	1.7 (±0.8)	1.0 (±0.8)	1.1 (±0.4)	1.5 (±0.8)	0.8 (±0.5)	1.5 (±1.0)	1.0 (±0.9)	0.9 (±0.5)	0.9 (±0.4)
SEX									
FEMALE	0.6 (±0.4)	0.2 (±0.3)	0.1 (±0.2)	0.3 (±0.4)	0.2 (±0.2)	0.0 (±0.0)	0.0 (±0.0)	0.1 (±0.1)	0.3 (±0.3)
MALE	2.8 (±1.5)	1.8 (±1.5)	2.1 (±0.8)	2.6 (±1.6)	1.4 (±0.9)	3.0 (±2.0)	2.0 (±1.7)	1.8 (±0.9)	1.3 (±0.7)
RACE									
WHITE	2.8 (±1.4)	2.0 (±1.6)	1.9 (±0.9)	2.3 (±1.7)	1.6 (±0.9)	3.1 (±2.0)	1.9 (±1.9)	1.9 (±1.0)	1.4 (±0.7)
BLACK	0.4 (±0.)	0.1 (±0.2)	0.5 (±0.5)	0.3 (±0.3)	0.1 (±0.2)	0.1 (±0.2)	0.1 (±0.3)	0.0 (±0.0)	0.1 (±0.2)
GRADE									
6	1.0 (±0.8)	0.1 (±0.2)	0.3 (±0.5)	0.9 (±0.9)	0.0 (±0.0)	0.6 (±0.9)	0.2 (±0.4)	0.1 (±0.1)	0.2 (±0.3)
7	1.5 (±1.0)	1.0 (±0.8)	1.2 (±0.9)	1.7 (±1.3)	0.4 (±0.5)	0.8 (±0.8)	0.8 (±0.7)	1.1 (±0.9)	1.3 (±0.9)
8	2.6 (±1.7)	2.0 (±2.1)	1.9 (±1.0)	1.6 (±1.4)	2.0 (±1.1)	3.2 (±2.3)	2.1 (±2.2)	1.6 (±1.2)	1.0 (±0.7)



Mississippi Youth Tobacco Use {1998-2016} Current Cigar Smoking - Public High School

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

	2008	2009	2010	2011	2012	2013	2014	2015	2016
TOTAL	16.3 (±3.7)	13.8 (±2.2)	13.8 (±2.0)	14.2 (±2.3)	11.9 (±2.0)	10.9 (±1.9)	10.3 (±1.9)	8.7 (±1.4)	9.2 (±1.9)
SEX									
FEMALE	11.3 (±3.9)	9.3 (±2.9)	11.0 (±2.0)	8.7 (±1.9)	9.3 (±2.4)	8.0 (±2.2)	7.6 (±2.6)	5.5 (±1.8)	7.3 (±2.1)
MALE	21.3 (±4.6)	18.3 (±3.1)	16.9 (±3.2)	19.8 (±3.1)	14.4 (±3.6)	13.8 (±3.3)	12.6 (±2.5)	12.2 (±2.2)	11.2 (±2.4)
RACE									
WHITE	16.0 (±4.3)	14.9 (±3.0)	15.5 (±2.7)	15.1 (±2.7)	10.7 (±2.7)	12.3 (±2.5)	9.5 (±2.0)	10.0 (±2.1)	10.0 (±2.3)
BLACK	15.2 (±5.6)	12.4 (±3.7)	12.0 (±2.1)	13.2 (±3.4)	12.5 (±2.8)	10.0 (±2.5)	11.0 (±3.2)	6.7 (±2.1)	8.5 (±2.4)
GRADE									
9	13.7 (±4.0)	11.0 (±3.8)	10.8 (±2.6)	10.3 (±4.7)	9.1 (±3.0)	6.4 (±2.7)	7.4 (±2.7)	6.3 (±2.5)	7.2 (±2.5)
10	15.3 (±4.9)	15.2 (±3.2)	13.6 (±3.0)	15.9 (±4.4)	14.0 (±5.2)	9.5 (±3.0)	10.7 (±4.6)	10.1 (±3.7)	9.6 (±3.5)
11	13.2 (±10.1)	12.8 (±4.2)	16.5 (±4.2)	14.4 (±5.1)	10.9 (±3.2)	14.7 (±5.2)	10.7 (±3.3)	8.1 (±2.6)	9.3 (±3.2)
12	23.1 (±5.6)	17.1 (±4.0)	15.4 (±3.9)	17.0 (±5.8)	14.1 (±6.5)	14.5 (±4.3)	13.0 (±3.7)	10.9 (±4.1)	11.0 (±4.5)

Mississippi Youth Tobacco Use {1998-2016} Current Cigar Smoking - Public Middle School

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

	2008	2009	2010	2011	2012	2013	2014	2015	2016
TOTAL	9.3 (±2.2)	6.3 (±1.4)	5.5 (±1.3)	4.8 (±1.4)	4.2 (±1.5)	4.2 (±1.3)	5.4 (±2.3)	2.9 (±0.9)	3.5 (±1.1)
SEX									
FEMALE	6.6 (±2.2)	4.4 (±1.5)	4.2 (±1.5)	3.5 (±1.3)	2.7 (±1.0)	2.4 (±1.3)	2.6 (±1.3)	2.6 (±1.5)	2.0 (±1.2)
MALE	11.8 (±3.0)	8.1 (±2.3)	6.6 (±1.9)	6.1 (±1.9)	5.5 (±2.3)	5.9 (±1.6)	8.1 (±4.1)	3.2 (±0.9)	5.0 (±1.8)
RACE									
WHITE	6.5 (±2.0)	5.6 (±2.6)	4.5 (±1.4)	3.6 (±1.9)	3.8 (±1.6)	2.6 (±0.9)	3.4 (±2.0)	2.2 (±1.1)	2.6 (±1.7)
BLACK	11.4 (±3.5)	6.6 (±1.8)	6.3 (±2.1)	5.9 (±2.0)	4.6 (±2.5)	5.5 (±1.6)	7.7 (±3.5)	3.6 (±1.6)	4.0 (±1.7)
GRADE									
6	5.1 (±4.0)	3.4 (±1.8)	3.0 (±1.3)	4.3 (±1.7)	3.0 (±2.5)	3.4 (±1.8)	3.5 (±3.9)	0.9 (±0.7)	3.4 (±2.5)
7	10.9 (±4.0)	5.9 (±2.5)	5.5 (±2.3)	4.9 (±2.6)	2.9 (±1.7)	4.5 (±1.3)	4.1 (±3.8)	4.9 (±2.1)	2.9 (±1.5)
8	12.1 (±2.9)	9.7 (±2.8)	7.9 (±2.1)	4.9 (±2.2)	6.9 (±2.6)	4.6 (±2.5)	8.7 (±3.5)	2.9 (±1.3)	4.3 (±2.5)



Mississippi Youth Tobacco Use {1998-2016} Ever Tried a Cigar - Public High School

	1998	1999	2000	2002	2003	2004	2006
<b>TOTAL</b>	53.0 (±3.0)	54.7 (±3.0)	48.8 (±4.2)	N/A	39.4 (±1.3)	39.2 (±2.7)	37.7 (±3.0)
<b>SEX</b>							
FEMALE	43.2 (±3.6)	44.3 (±3.7)	39.4 (±5.9)	N/A	31.9 (±1.8)	31.5 (±3.3)	30.8 (±3.7)
MALE	63.5 (±3.5)	65.8 (±3.5)	58.9 (±4.0)	N/A	47.4 (±1.8)	46.7 (±4.1)	44.9 (±4.4)
<b>RACE</b>							
WHITE	54.4 (±4.7)	54.2 (±3.6)	52.5 (±6.5)	N/A	42.4 (±2.2)	41.4 (±3.8)	38.9 (±3.6)
BLACK	51.1 (±4.9)	54.3 (±4.6)	44.0 (±5.4)	N/A	35.6 (±1.8)	36.9 (±3.8)	36.8 (±5.3)
<b>GRADE</b>							
9	50.0 (±6.3)	53.1 (±3.4)	44.6 (±6.1)	N/A	36.7 (±2.3)	35.3 (±5.2)	39.0 (±3.3)
10	49.9 (±6.9)	52.9 (±6.9)	46.7 (±5.7)	N/A	36.7 (±1.9)	39.2 (±4.5)	36.6 (±9.8)
11	57.5 (±4.8)	55.0 (±6.9)	53.5 (±6.4)	N/A	41.9 (±3.3)	39.3 (±4.6)	30.7 (±9.6)
12	56.9 (±6.6)	58.3 (±7.2)	51.1 (±7.2)	N/A	43.7 (±2.4)	45.7 (±4.7)	45.8 (±4.8)

	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>TOTAL</b>	32.5 (±3.6)	29.8 (±2.8)	29.1 (±3.6)	28.7 (±3.7)	29.5 (±3.3)	25.0 (±3.8)	24.8 (±2.9)	22.0 (±3.1)	22.8 (±2.4)
<b>SEX</b>									
FEMALE	25.4 (±4.9)	23.2 (±3.2)	24.9 (±4.4)	20.7 (±3.7)	25.2 (±4.1)	20.2 (±4.5)	18.6 (±2.9)	15.6 (±2.8)	19.0 (±3.4)
MALE	40.2 (±5.4)	36.6 (±4.3)	33.3 (±5.0)	36.9 (±4.5)	34.0 (±5.3)	29.7 (±4.9)	30.5 (±4.4)	28.2 (±4.6)	26.4 (±3.2)
<b>RACE</b>									
WHITE	35.7 (±4.0)	33.1 (±4.2)	34.0 (±5.0)	32.8 (±4.6)	30.9 (±5.6)	28.3 (±4.9)	27.5 (±3.9)	26.2 (±4.6)	25.8 (±3.1)
BLACK	28.5 (±5.2)	26.2 (±4.3)	24.6 (±4.0)	24.8 (±5.1)	28.1 (±4.0)	22.2 (±5.0)	22.4 (±4.2)	17.3 (±3.2)	20.6 (±3.3)
<b>GRADE</b>									
9	29.3 (±6.7)	24.8 (±4.4)	21.5 (±3.5)	24.2 (±5.2)	19.4 (±5.9)	15.8 (±4.6)	17.2 (±4.5)	15.1 (±4.9)	17.8 (±4.6)
10	34.3 (±4.8)	31.0 (±5.2)	29.4 (±5.3)	25.7 (±4.5)	34.5 (±5.3)	24.2 (±5.1)	24.7 (±6.4)	26.7 (±4.8)	22.8 (±4.7)
11	26.5 (±7.9)	28.4 (±5.1)	32.6 (±6.5)	30.6 (±7.8)	29.9 (±5.1)	28.4 (±7.5)	27.8 (±5.3)	22.0 (±6.8)	26.0 (±4.6)
12	40.7 (±4.8)	37.3 (±5.5)	35.3 (±5.6)	36.5 (±7.6)	36.5 (±7.3)	34.4 (±7.5)	31.8 (±5.8)	25.5 (±6.5)	26.0 (±6.0)

Mississippi Youth Tobacco Use {1998-2016} Ever Tried a Cigar - Public Middle School

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

	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>TOTAL</b>	19.8 (±2.5)	14.3 (±2.5)	11.7 (±2.1)	11.1 (±2.8)	10.6 (±2.6)	9.3 (±2.1)	9.8 (±3.2)	8.6 (±1.8)	9.5 (±2.0)
<b>SEX</b>									
FEMALE	14.9 (±2.6)	10.4 (±2.0)	9.1 (±2.6)	9.3 (±3.1)	8.1 (±2.4)	6.5 (±2.1)	4.9 (±1.6)	7.0 (±2.5)	6.2 (±1.9)
MALE	24.5 (±3.1)	18.2 (±3.8)	14.0 (±3.2)	13.0 (±3.1)	13.0 (±3.9)	12.1 (±2.5)	14.5 (±5.2)	10.1 (±1.9)	12.7 (±3.6)
<b>RACE</b>									
WHITE	14.9 (±2.7)	14.1 (±3.9)	10.2 (±2.7)	9.4 (±4.3)	12.4 (±2.6)	7.5 (±2.4)	7.3 (±2.7)	7.3 (±1.8)	8.7 (±2.8)
BLACK	24.1 (±3.2)	14.1 (±3.0)	12.9 (±3.1)	13.0 (±3.2)	9.4 (±4.0)	10.9 (±2.8)	12.2 (±4.6)	10.0 (±3.0)	9.9 (±2.3)
<b>GRADE</b>									
6	11.9 (±3.3)	7.4 (±2.7)	6.4 (±2.4)	8.3 (±4.1)	6.0 (±3.7)	6.0 (±2.4)	6.2 (±4.3)	5.0 (±2.3)	8.6 (±3.0)
7	20.4 (±3.8)	13.7 (±5.0)	10.9 (±3.5)	11.2 (±3.5)	10.9 (±4.0)	8.9 (±2.5)	10.0 (±7.4)	9.8 (±3.2)	6.6 (±2.4)
8	27.6 (±4.1)	21.9 (±4.2)	17.5 (±3.6)	13.6 (±4.2)	15.5 (±3.6)	13.3 (±4.0)	13.3 (±4.8)	10.9 (±2.9)	13.1 (±4.2)

Mississippi Youth Tobacco Use {1998-2016} Frequent Cigar Smoking - Public High School

APPENDIX {CIGARS}

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

	2008	2009	2010	2011	2012	2013	2014	2015	2016
TOTAL	2.7 (±1.5)	2.4 (±0.7)	2.2 (±0.8)	2.6 (±1.0)	2.1 (±0.9)	1.8 (±0.8)	1.5 (±0.8)	0.5 (±0.4)	0.8 (±0.3)
SEX									
FEMALE	2.4 (±1.6)	0.9 (±0.5)	1.3 (±0.9)	1.8 (±1.0)	0.9 (±0.8)	1.0 (±0.5)	0.8 (±0.8)	0.1 (±0.2)	0.3 (±0.3)
MALE	3.0 (±1.8)	4.0 (±1.3)	3.1 (±1.5)	3.3 (±1.8)	3.2 (±1.4)	2.6 (±1.5)	2.2 (±1.3)	0.9 (±0.8)	1.3 (±0.7)
RACE									
WHITE	1.5 (±1.0)	2.3 (±1.1)	2.0 (±1.2)	2.2 (±0.9)	1.3 (±0.9)	1.5 (±0.9)	0.7 (±0.7)	0.1 (±0.2)	0.5 (±0.5)
BLACK	3.7 (±2.6)	2.3 (±1.8)	2.2 (±0.9)	2.9 (±1.6)	2.8 (±1.3)	2.1 (±1.0)	2.2 (±1.3)	0.9 (±0.9)	0.8 (±0.6)
GRADE									
9	1.5 (±1.3)	1.7 (±1.2)	1.5 (±1.2)	1.7 (±1.5)	0.9 (±0.8)	0.0 (±0.0)	1.3 (±1.5)	0.2 (±0.3)	0.4 (±0.4)
10	3.1 (±2.2)	2.4 (±1.5)	0.6 (±0.7)	2.1 (±1.7)	3.2 (±2.0)	2.0 (±1.7)	1.7 (±1.4)	0.2 (±0.4)	0.2 (±0.3)
11	1.7 (±2.6)	4.3 (±1.9)	2.9 (±2.1)	1.7 (±1.2)	2.0 (±1.9)	2.5 (±1.6)	1.6 (±1.4)	0.9 (±1.2)	0.8 (±1.1)
12	4.6 (±3.1)	1.3 (±1.0)	4.1 (±1.9)	5.0 (±2.6)	2.3 (±2.4)	3.1 (±1.4)	1.1 (±1.2)	0.7 (±1.0)	2.0 (±1.3)

Mississippi Youth Tobacco Use {1998-2016} Frequent Cigar Smoking - Public Middle School

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

	2008	2009	2010	2011	2012	2013	2014	2015	2016
TOTAL	1.7 (±0.8)	1.2 (±0.6)	0.6 (±0.4)	0.6 (±0.3)	0.1 (±0.2)	0.6 (±0.4)	0.3 (±0.2)	0.3 (±0.3)	0.5 (±0.3)
SEX									
FEMALE	0.9 (±0.5)	0.6 (±0.6)	0.3 (±0.4)	0.1 (±0.3)	0.1 (±0.2)	0.1 (±0.2)	0.3 (±0.4)	0.1 (±0.1)	0.1 (±0.2)
MALE	2.5 (±1.5)	1.8 (±1.0)	0.8 (±0.7)	1.1 (±0.7)	0.1 (±0.3)	1.0 (±0.7)	0.3 (±0.1)	0.6 (±0.5)	0.8 (±0.5)
RACE									
WHITE	1.3 (±0.9)	1.0 (±0.6)	0.5 (±0.7)	0.2 (±0.4)	0.3 (±0.4)	0.5 (±0.5)	0.2 (±0.1)	0.5 (±0.5)	0.4 (±0.3)
BLACK	1.8 (±1.3)	1.3 (±1.0)	0.6 (±0.6)	1.0 (±0.6)	0.0 (±0.0)	0.5 (±0.4)	0.3 (±0.4)	0.1 (±0.2)	0.4 (±0.5)
GRADE									
6	1.1 (±0.7)	0.9 (±0.7)	0.7 (±0.7)	1.4 (±1.0)	0.0 (±0.0)	0.7 (±0.7)	0.2 (±0.3)	0.1 (±0.1)	0.4 (±0.5)
7	1.9 (±1.9)	2.0 (±1.2)	0.2 (±0.3)	0.3 (±0.4)	0.1 (±0.3)	0.0 (±0.1)	0.2 (±0.3)	0.3 (±0.4)	0.3 (±0.4)
8	2.0 (±1.3)	0.7 (±0.9)	0.8 (±1.0)	0.2 (±0.4)	0.2 (±0.5)	1.1 (±0.7)	0.5 (±0.6)	0.6 (±0.7)	0.7 (±0.8)

Mississippi Youth Tobacco Use {2010-2016} Current Electronic Cigarette Smoking - Public High School

	2010	2011	2012	2013	2014	2015	2016
TOTAL	1.2 (±0.8)	2.3 (±1.1)	2.7 (±1.2)	2.9 (±1.0)	10.1 (±2.0)	12.0 (±2.1)	10.3 (±1.6)
SEX							
FEMALE	1.1 (±1.0)	1.1 (±0.8)	1.9 (±1.2)	2.4 (±1.1)	9.0 (±2.2)	8.8 (±2.1)	9.1 (±2.0)
MALE	1.3 (±0.9)	3.6 (±1.8)	3.4 (±1.9)	3.3 (±1.7)	11.3 (±2.9)	15.1 (±3.0)	11.4 (±2.9)
RACE							
WHITE	1.8 (±1.3)	3.4 (±2.2)	4.7 (±2.6)	5.2 (±2.4)	13.6 (±3.7)	16.9 (±3.1)	15.1 (±2.6)
BLACK	0.6 (±0.9)	1.6 (±1.1)	0.8 (±0.7)	0.8 (±0.8)	6.4 (±1.7)	5.7 (±1.8)	6.7 (±2.7)
GRADE							
9	1.2 (±1.0)	1.7 (±1.5)	2.6 (±1.6)	1.9 (±1.5)	8.1 (±3.0)	9.1 (±2.5)	8.7 (±2.6)
10	0.9 (±1.0)	1.9 (±2.0)	4.3 (±2.7)	2.3 (±1.8)	11.2 (±3.1)	13.6 (±4.9)	10.6 (±3.2)
11	0.3 (±1.0)	1.3 (±1.3)	2.4 (±1.9)	2.7 (±1.6)	10.4 (±3.8)	10.2 (±5.0)	10.4 (±2.9)
12	2.5 (±2.4)	4.4 (±3.4)	1.1 (±2.1)	5.0 (±2.3)	11.3 (±6.1)	15.3 (±5.2)	11.1 (±3.2)



*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.*

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



*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.*



# 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, and 2016.

**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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