

2015

mississippi tobacco data

the mississippi
youth tobacco

S U R V E Y

.....
1998-2014



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, and FY2014.

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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 77% since 1998, leading to 17,819 fewer young smokers.
 - * Current smoking among public high school students has decreased by 60% since 1998, leading to 24,696 fewer young smokers.
 - * The prevalence of having ever tried smoking has decreased by 64% since 1998, leading to 39,225 fewer middle school students who have tried smoking.
-
- * The prevalence of having ever tried smoking has decreased by 51% since 1998, leading to 52,120 fewer high school students who have tried smoking.
 - * Frequent smoking has decreased by 88% since 1998, leading to 5,155 fewer middle school students who are frequent smokers.
 - * Frequent smoking has decreased by 71% since 1998, leading to 13,780 fewer high school students who are frequent smokers.



{ smokeless tobacco }

- * Current smokeless tobacco (SLT) use among public middle school students has decreased by 53% since 1998, leading to 5,716 fewer young SLT users.
- * The prevalence of having ever tried SLT has decreased by 51% since 1998, leading to 10,423 fewer middle school students who have tried SLT.
- * The prevalence of having ever tried SLT has decreased by 39% since 1998, leading to 13,917 fewer high school students who have tried SLT.

{ cigars }

- * Current cigar smoking among public middle school students has decreased by 67% since 1998, leading to 12,328 fewer young cigar smokers.
- * Current cigar smoking among public high school students has decreased by 54% since 1998, leading to 16,373 fewer young cigar smokers.



key outcomes

- * The prevalence of having ever tried cigar smoking has decreased by 70% since 1998, leading to 25,440 fewer middle school students who have tried cigar smoking.
- * The prevalence of having ever tried cigar smoking has decreased by 53% since 1998, leading to 38,476 fewer high school students who have tried cigar smoking.
- * Frequent cigar smoking has decreased by 82% since 1998, leading to 1,569 fewer middle school students who are frequent cigar smokers.




key demographic differences

Among middle school students, there are no significant differences in the percentage of males and females or Caucasians and African-Americans who have ever or who currently smoke cigarettes.

High school Caucasians are more likely to be current smokers or to be frequent smokers than African-Americans.

Among high school students, there are no significant differences in the percentage of males and females who have ever or who currently smoke cigarettes.



{cigarettes}

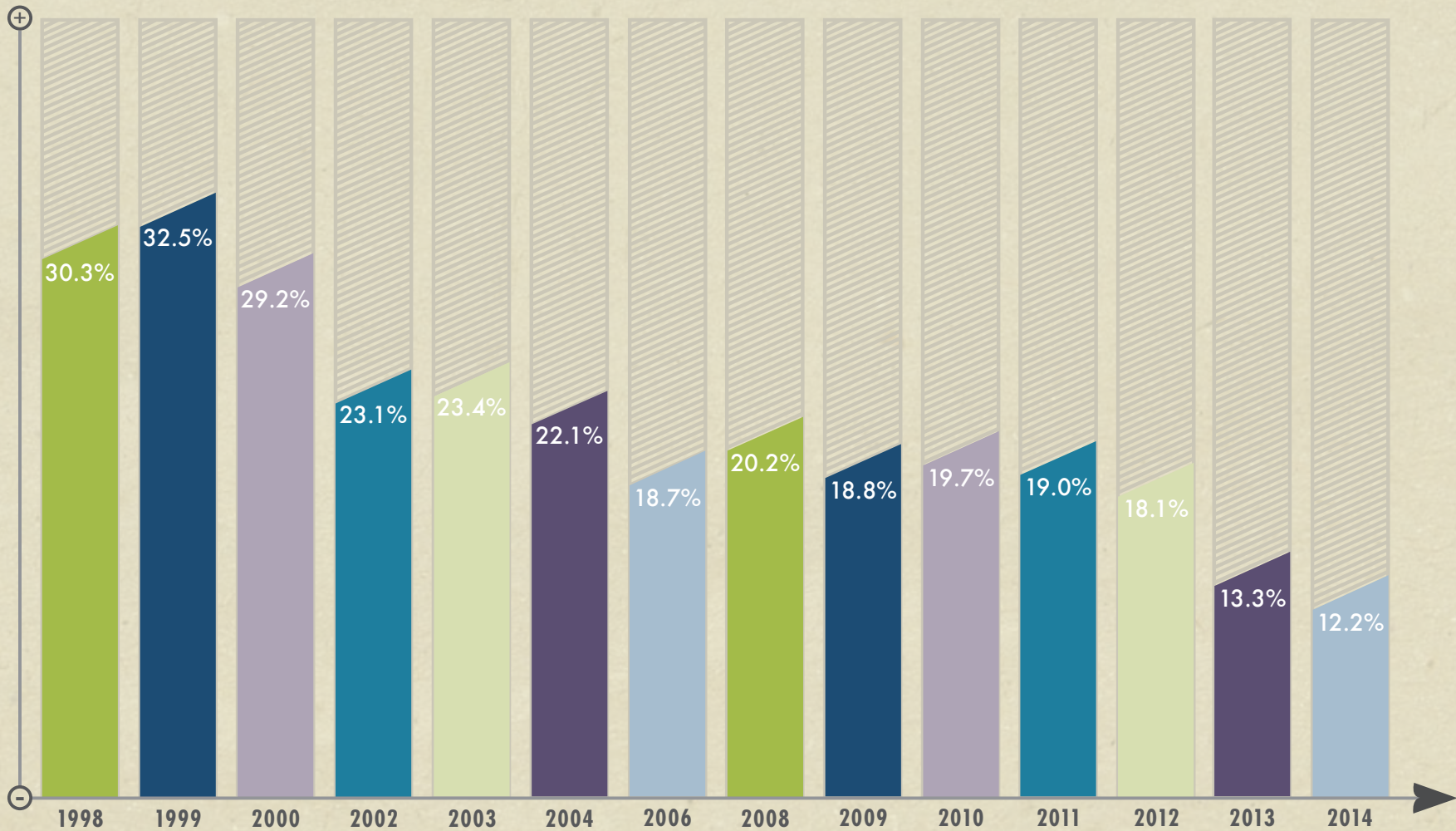
High school Caucasians are more likely to have ever tried cigarette smoking than African-Americans.

8th graders are more likely to be current smokers than 6th graders.

12th graders are more likely to be current smokers than 9th graders.

current cigarette smoking

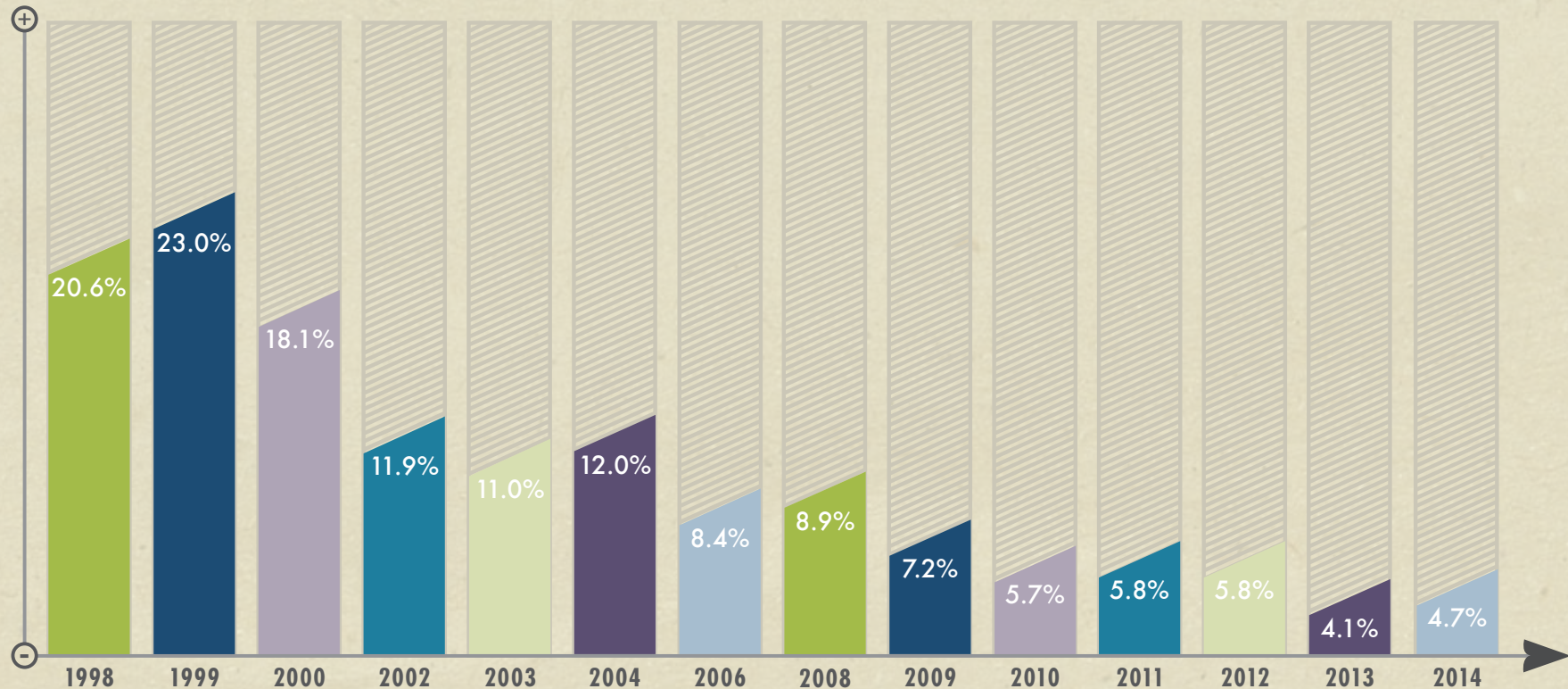
MS PUBLIC HIGH SCHOOLS



- * In 2014, *16,646 Mississippi public high school students* were current smokers.
- * The prevalence of current smoking has *decreased by 60%* since 1998, leading to 24,696 fewer young smokers.
- * In the past year, the prevalence of current smoking *has not changed significantly*.

current cigarette smoking

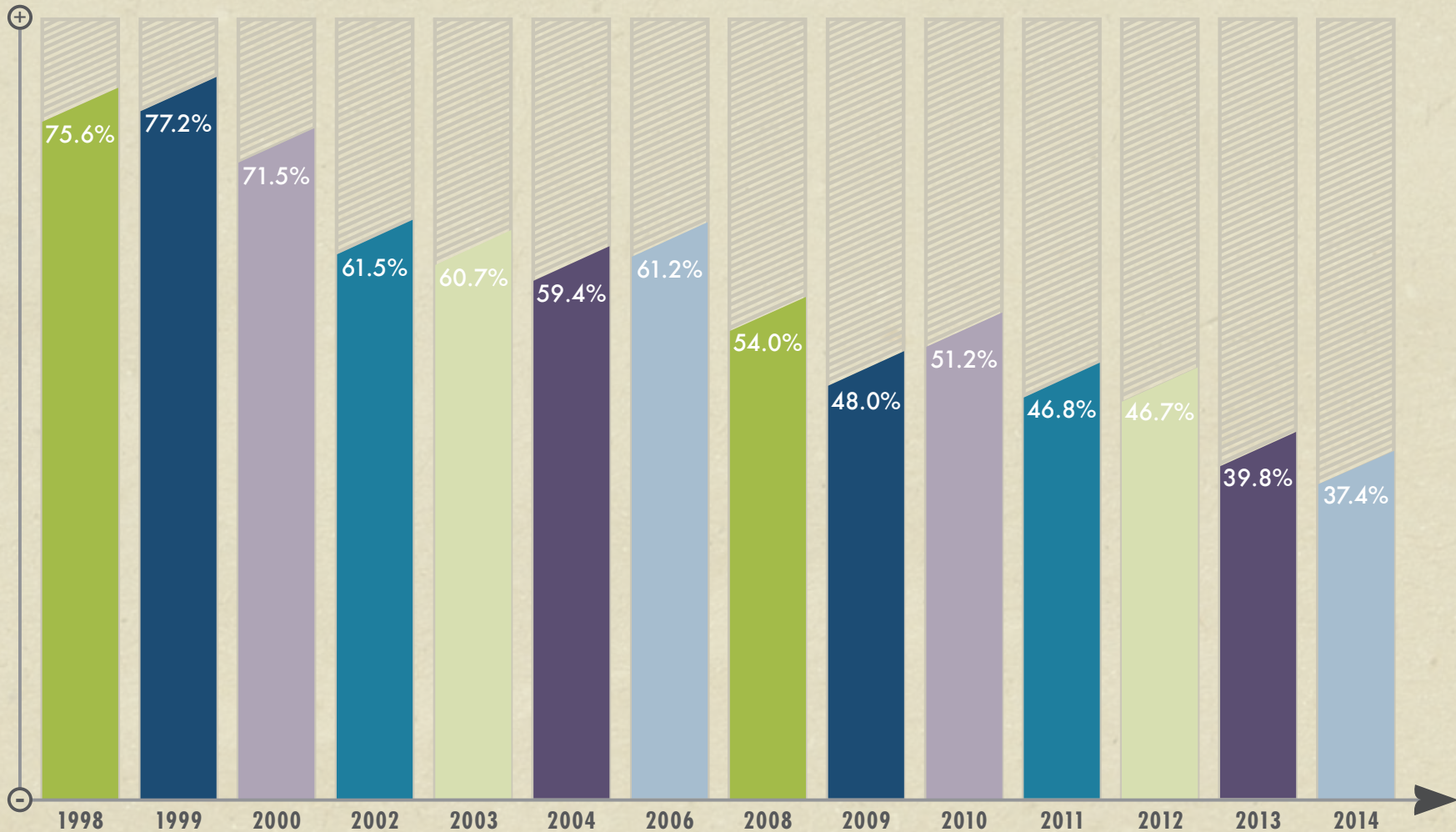
MS PUBLIC MIDDLE SCHOOLS



- * In 2014, *5,267 Mississippi public middle school students* were current smokers.
- * The prevalence of current smoking has *decreased by 77%* since 1998, leading to 17,819 fewer young smokers.
- * In the past year, the prevalence of current smoking *has not changed significantly*.

ever tried a cigarette

MS PUBLIC HIGH SCHOOLS



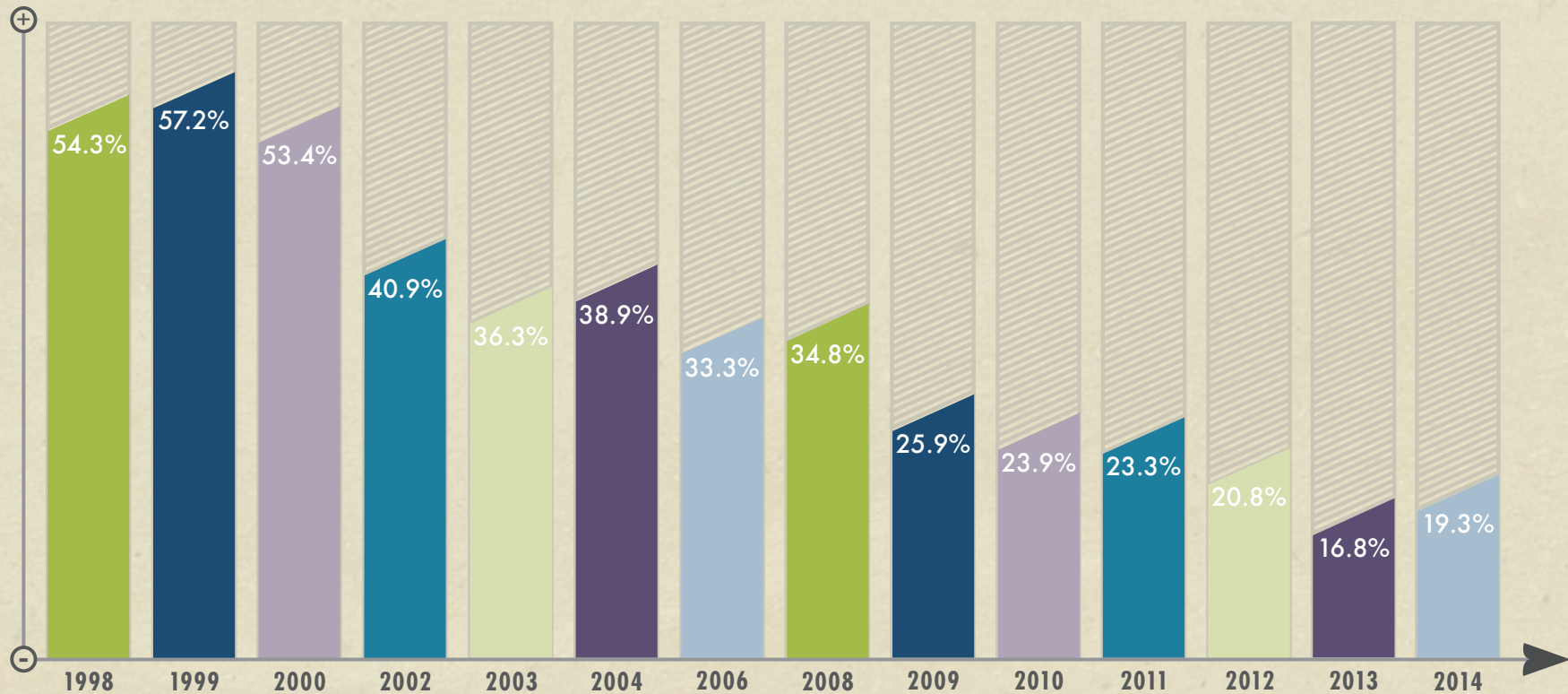
* In 2014, *51,029 Mississippi public high school students* had tried at least one cigarette.

* The prevalence of having ever tried a cigarette has *decreased by 51%* since 1998, leading to 52,120 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

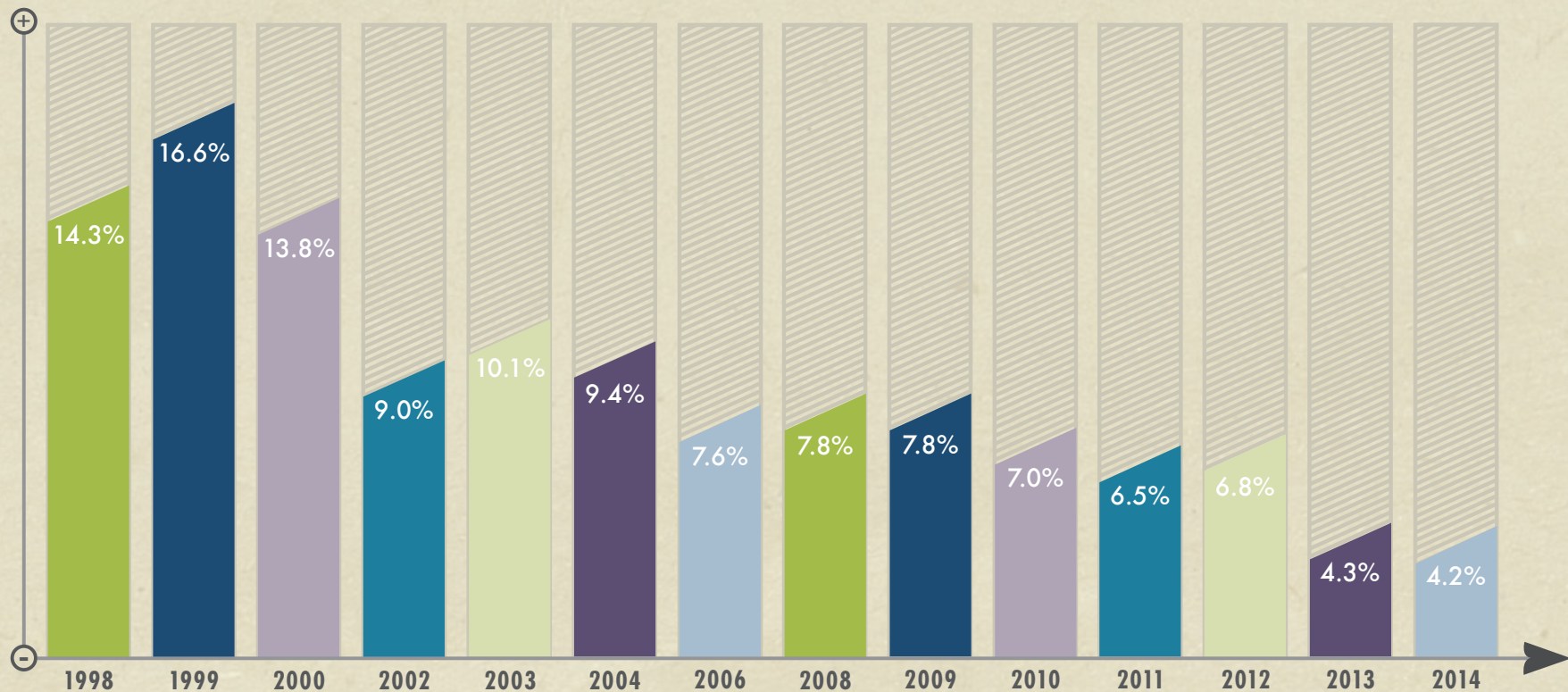
MS PUBLIC MIDDLE SCHOOLS



- * In 2014, *21,630 Mississippi public middle school students* had tried at least one cigarette.
- * The prevalence of having ever tried a cigarette has *decreased by 64%* since 1998, leading to 39,225 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

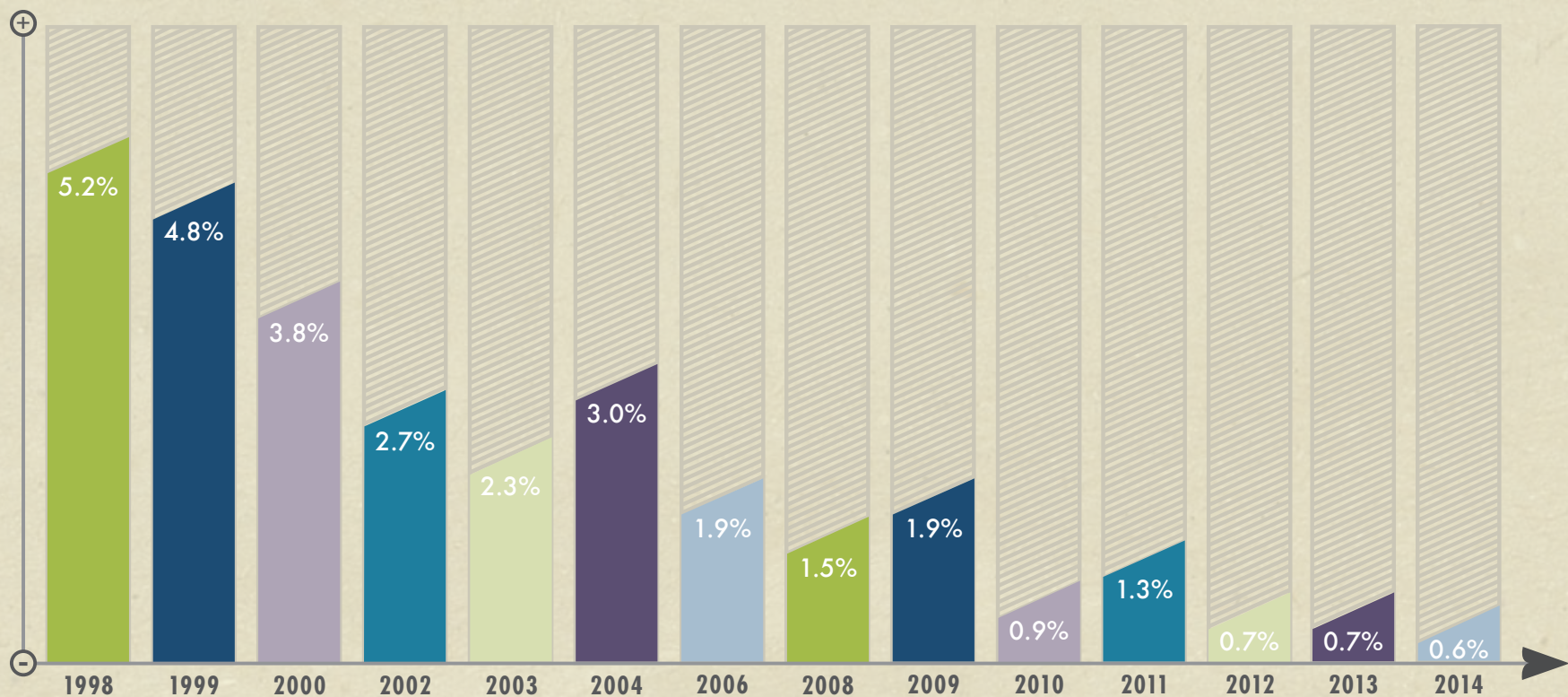
MS PUBLIC HIGH SCHOOLS



- * In 2014, *5,730 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 71%* since 1998, leading to 13,780 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 2014, *672 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 88%* since 1998, leading to 5,155 fewer middle school students who are frequent smokers.
- * In the past year, the prevalence of frequent smoking *has not changed significantly*.

key demographic differences

• → {smokeless tobacco (SLT)}

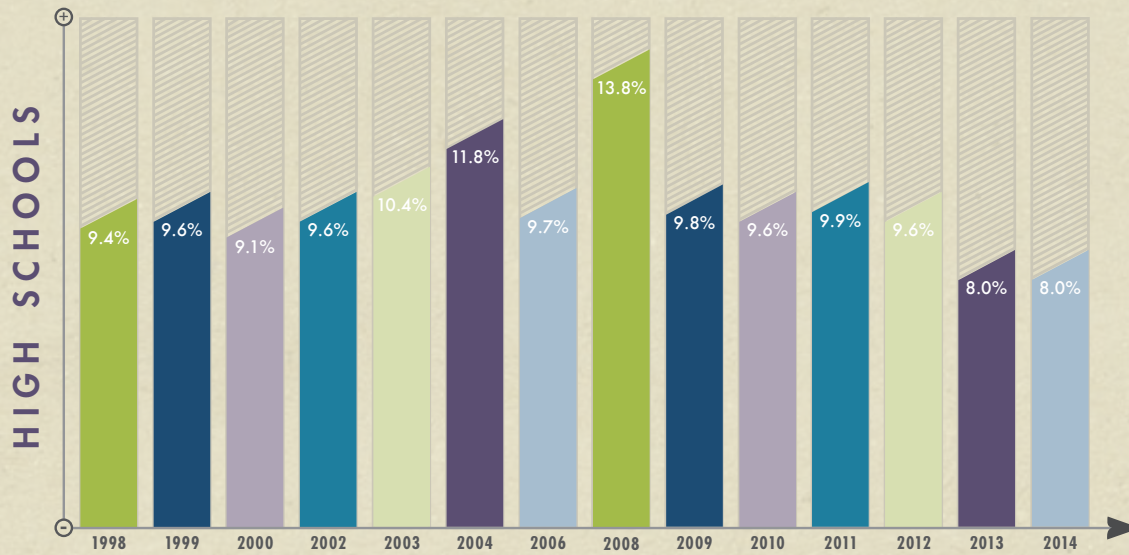
Middle school males and Caucasians are more likely to have ever used smokeless tobacco than females and African-Americans.

High school males are more likely to have ever or to currently use smokeless tobacco than females.

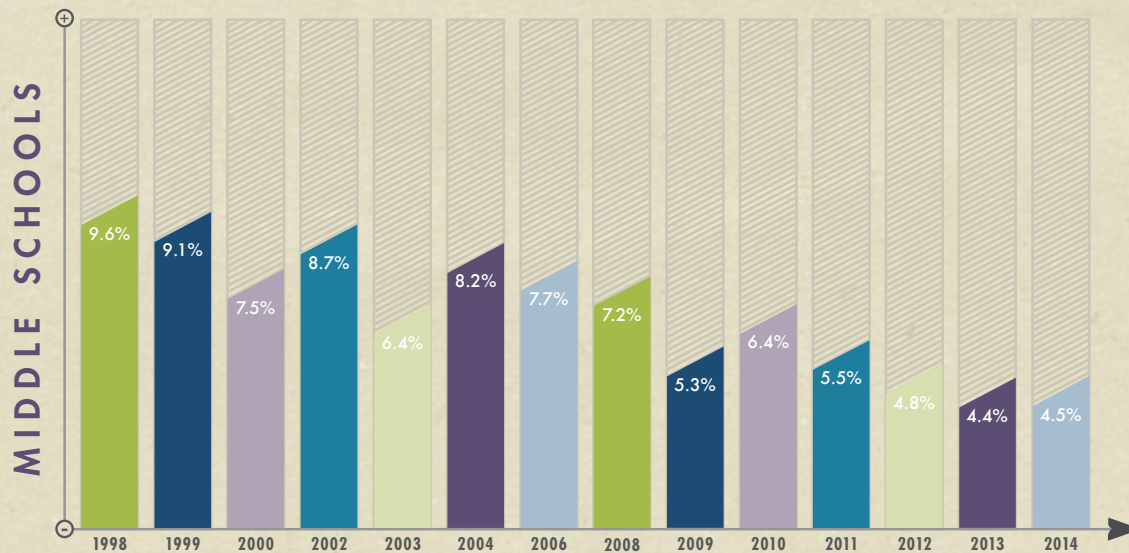
High school Caucasians are more likely to be current SLT users or to be frequent SLT users than African-Americans.

current smokeless tobacco use

MISSISSIPPI PUBLIC SCHOOLS



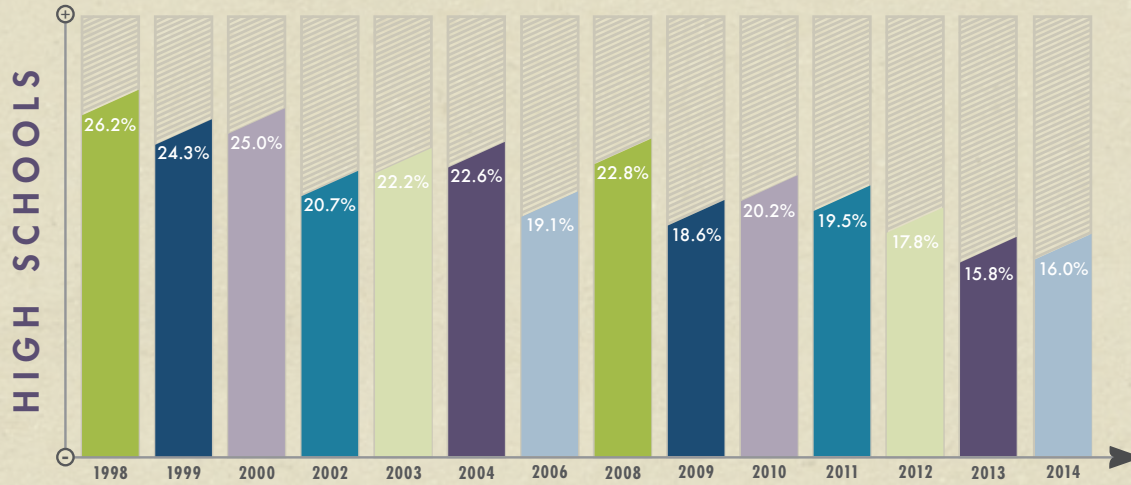
- * In 2014, *10,915 Mississippi public high school students* were current SLT users.
- * In the past year, the prevalence of current SLT use *has not changed significantly*.



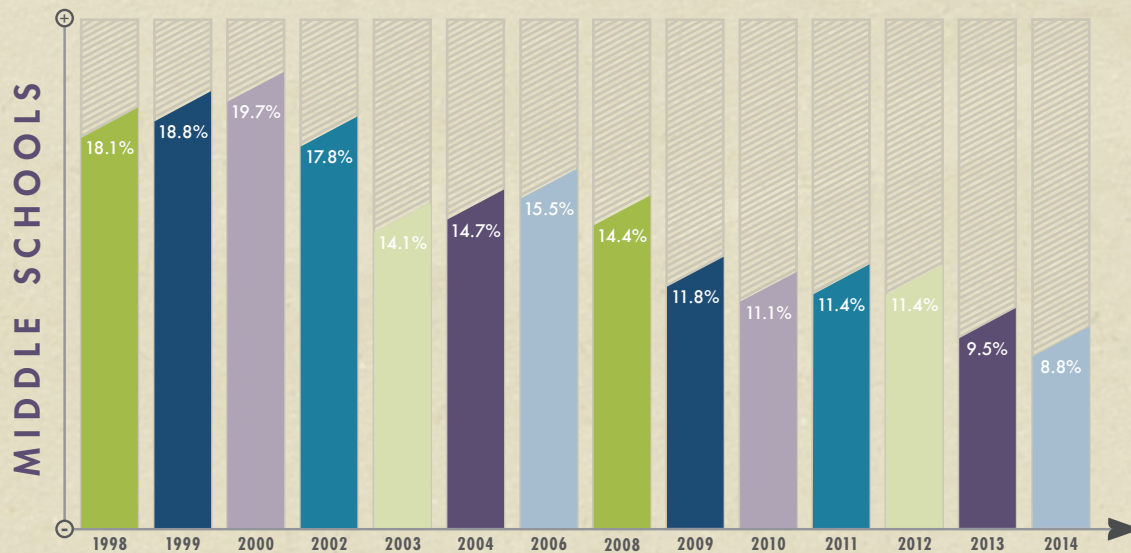
- * In 2014, *5,043 Mississippi public middle school students* were current SLT users.
- * The prevalence of current SLT use has *decreased by 53%* since 1998, leading to 5,716 fewer young SLT users.
- * In the past year, the prevalence of current SLT use *has not changed significantly*.

ever tried smokeless tobacco

MISSISSIPPI PUBLIC SCHOOLS



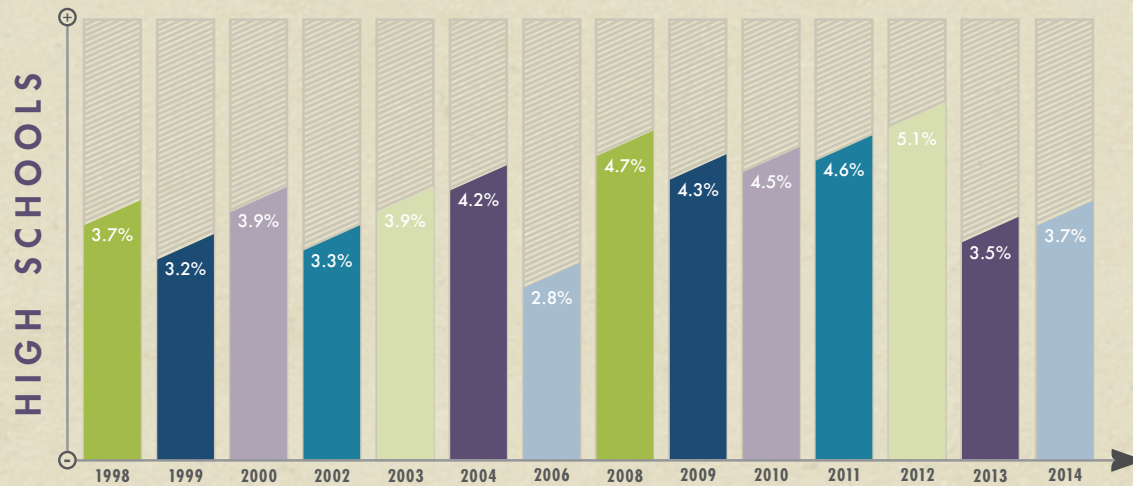
- * In 2014, *21,830 Mississippi public high school students* had tried SLT.
- * The prevalence of having ever tried SLT has *decreased by 39%* since 1998, leading to 13,917 fewer high school students who have tried SLT.
- * In the past year, the prevalence of having ever tried SLT *has not changed significantly*.



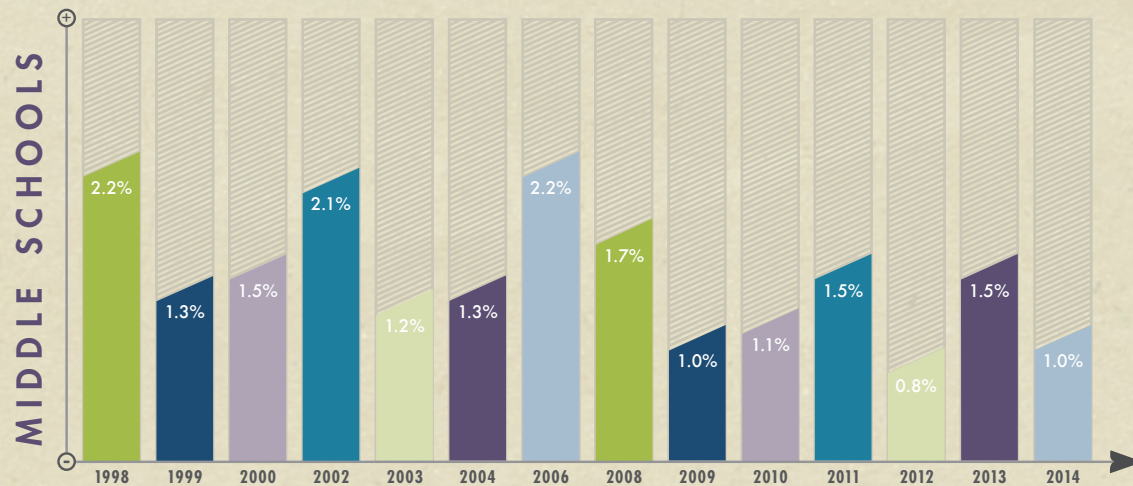
- * In 2014, *9,862 Mississippi public middle school students* had tried SLT.
- * The prevalence of having ever tried SLT has *decreased by 51%* since 1998, leading to 10,423 fewer middle school students who have tried SLT.
- * In the past year, the prevalence of having ever tried SLT *has not changed significantly*.

frequent smokeless tobacco use

MISSISSIPPI PUBLIC SCHOOLS



- * In 2014, *5,048 Mississippi public high school students* had used SLT on at least 20 of the past 30 days.
- * In the past year, the prevalence of frequent SLT use *has not changed significantly*.



- * In 2014, *1,121 Mississippi public middle school students* had used SLT on at least 20 of the past 30 days.
- * In the past year, the prevalence of frequent SLT use *has not changed significantly*.

key demographic differences → {cigars}

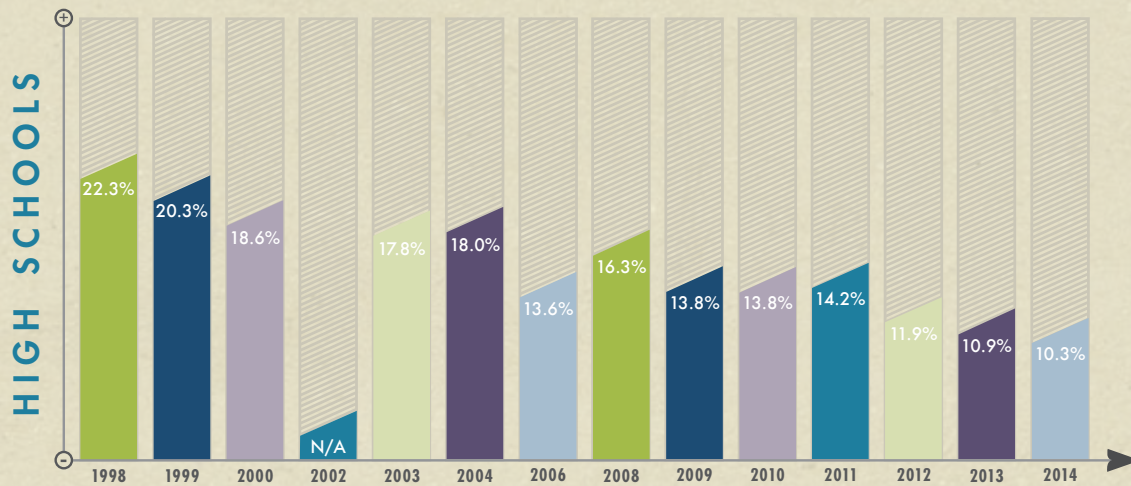
High school males are more likely to have ever tried cigar smoking than females.

Middle school males are more likely to have ever or to currently smoke cigars than females.

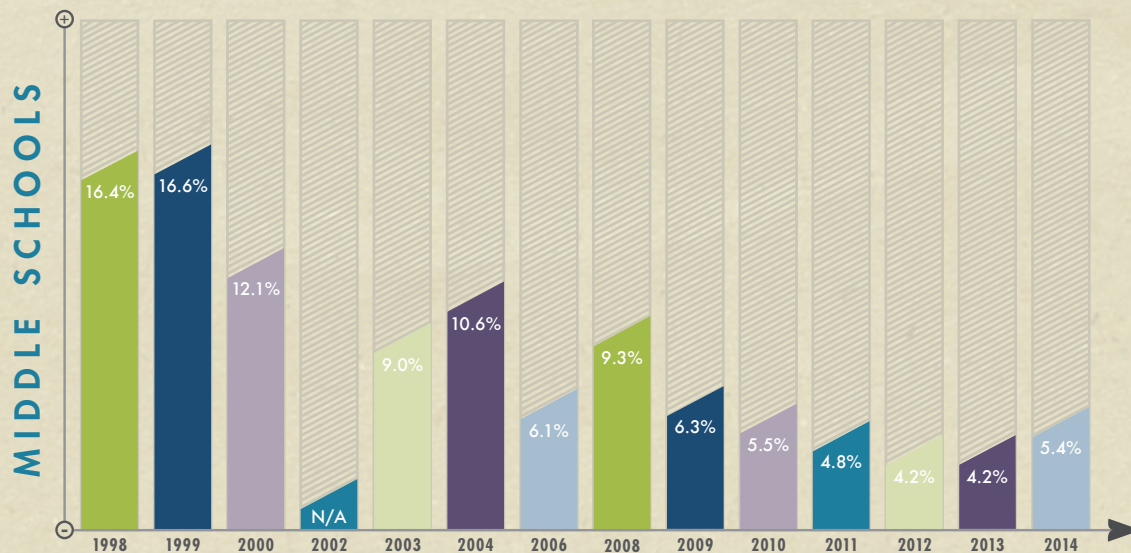
12th graders are more likely to have ever tried cigar smoking than 9th graders.

current cigar smoking

MISSISSIPPI PUBLIC SCHOOLS



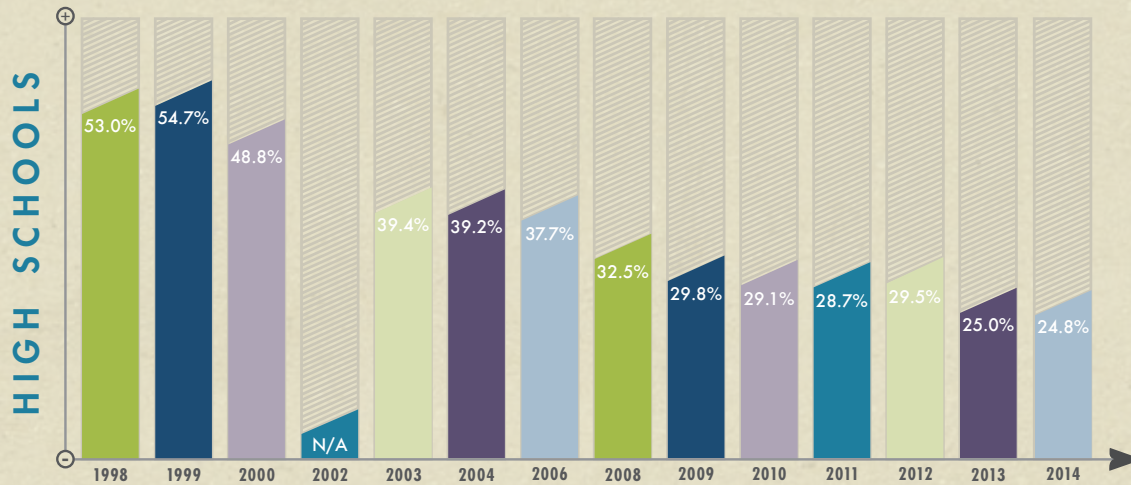
- * In 2014, *14,053 Mississippi public high school students* were current cigar smokers.
- * The prevalence of current cigar smoking has *decreased by 54%* since 1998, leading to 16,373 fewer young cigar smokers.
- * In the past year, the prevalence of current cigar smoking *has not changed significantly*.



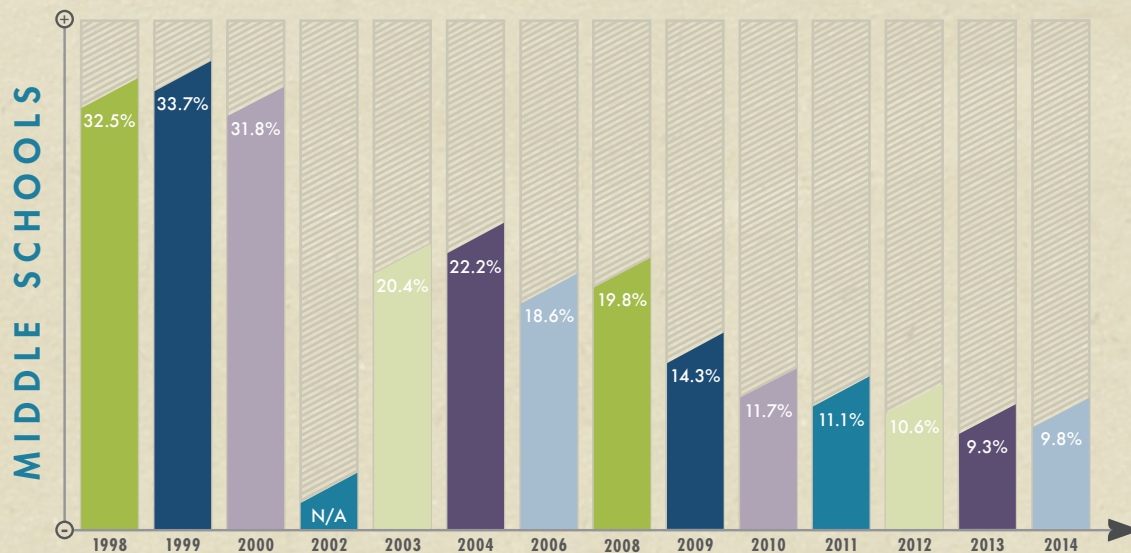
- * In 2014, *6,052 Mississippi public middle school students* were current cigar smokers.
- * The prevalence of current cigar smoking has *decreased by 67%* since 1998, leading to 12,328 fewer young cigar smokers.
- * In the past year, the prevalence of current cigar smoking *has not changed significantly*.

ever tried a cigar

MISSISSIPPI PUBLIC SCHOOLS



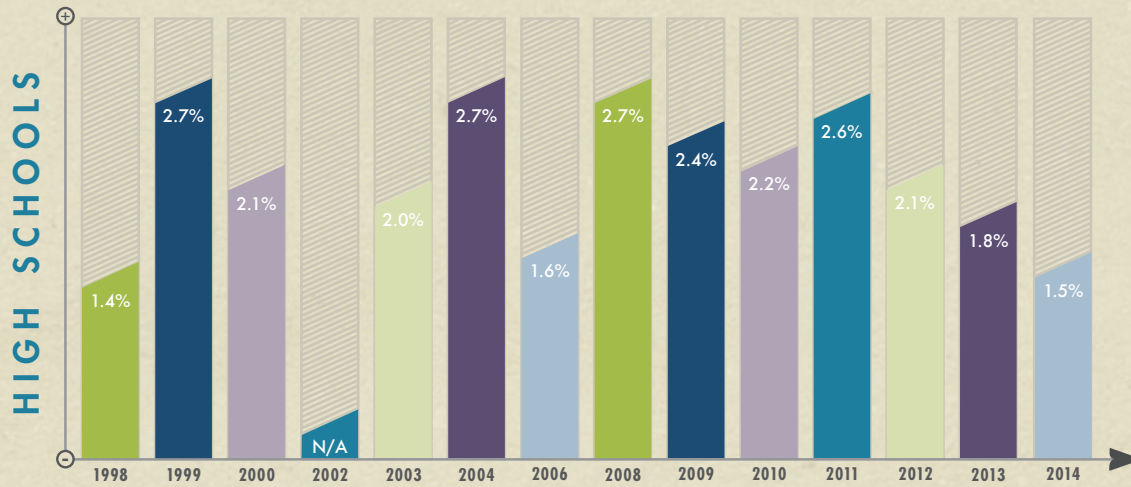
- * In 2014, *33,837 Mississippi public high school students* had tried at least one cigar.
- * The prevalence of having ever tried a cigar has *decreased by 53%* since 1998, leading to 38,476 fewer high school students who have tried smoking cigars.
- * In the past year, the prevalence of having ever tried smoking cigars *has not changed significantly*.



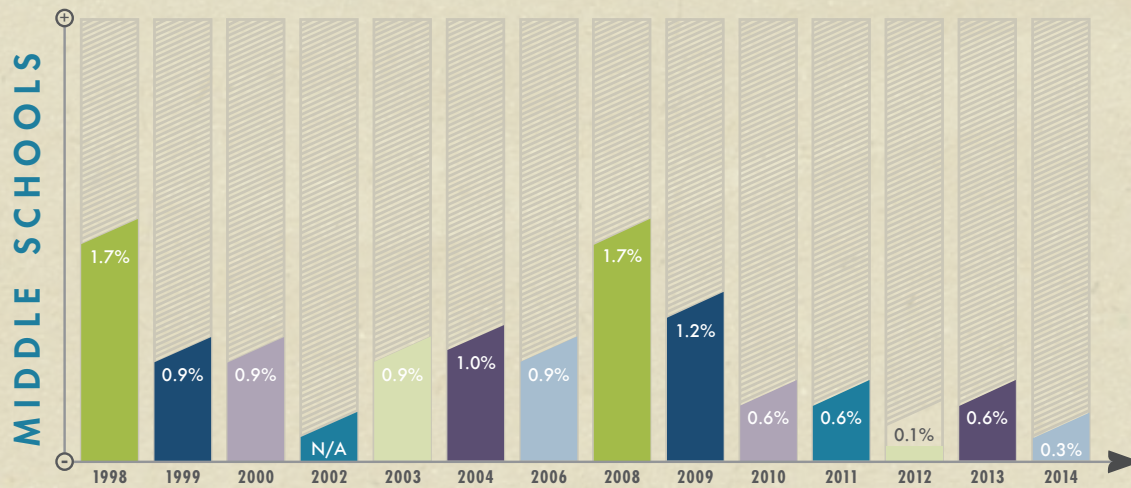
- * In 2014, *10,983 Mississippi public middle school students* had tried at least one cigar.
- * The prevalence of having ever tried a cigar has *decreased by 70%* since 1998, leading to 25,440 fewer middle school students who have tried cigar smoking.
- * In the past year, the prevalence of having ever tried smoking cigars *has not changed significantly*.

frequent cigar smoking

MISSISSIPPI PUBLIC SCHOOLS



- * In 2014, *2,047 Mississippi public high school students* had smoked cigars on at least 20 of the past 30 days.
- * In the past year, the prevalence of frequent cigar smoking *has not changed significantly*.

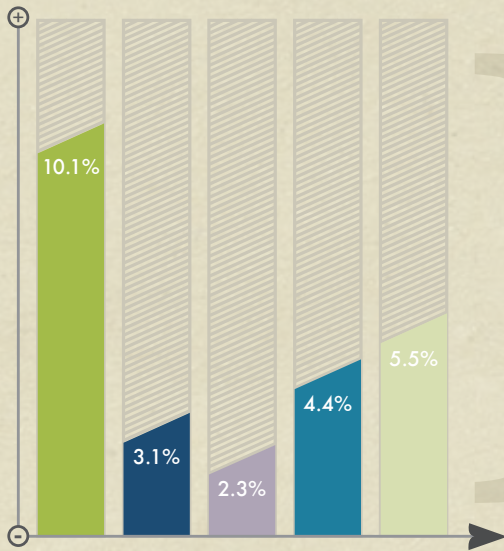


- * In 2014, *336 Mississippi public middle school students* had smoked cigars on at least 20 of the past 30 days.
- * The prevalence of frequent cigar smoking has *decreased by 82%* since 1998, leading to 1,569 fewer middle school students who are frequent cigar smokers.
- * In the past year, the prevalence of frequent cigar smoking *has not changed significantly*.

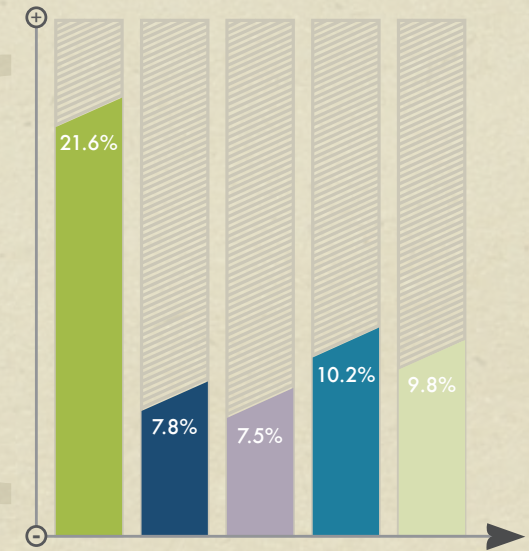
other tobacco & nicotine use

MS PUBLIC HIGH SCHOOLS

CURRENT USE {2014}



EVER USE {2014}



◀ electronic cigarettes ▶
 ◀ hookah ▶
 ◀ flavored little cigars ▶
 ◀ flavored cigarettes ▶
 ◀ roll your own ▶

current electronic cigarette smoking

	2014
TOTAL	10.1 (±2.0)
SEX	
FEMALE	9.0 (±2.2)
MALE	11.3 (±2.9)
RACE	
WHITE	13.6 (±3.7)
BLACK	6.4 (±1.7)
GRADE	
9	8.1 (±3.0)
10	11.2 (±3.1)
11	10.4 (±3.8)
12	11.3 (±6.1)

current hookah use

	2014
TOTAL	3.1 (±1.0)
SEX	
FEMALE	2.7 (±1.3)
MALE	3.6 (±1.2)
RACE	
WHITE	4.5 (±1.8)
BLACK	2.2 (±1.3)
GRADE	
9	2.3 (±1.4)
10	3.1 (±2.1)
11	3.1 (±1.6)
12	4.5 (±2.9)

ever tried an electronic cigarette

	2014
TOTAL	21.6 (±3.0)
SEX	
FEMALE	19.6 (±3.4)
MALE	23.0 (±4.1)
RACE	
WHITE	31.0 (±3.9)
BLACK	11.1 (±2.8)
GRADE	
9	15.9 (±5.1)
10	23.4 (±5.5)
11	22.3 (±5.6)
12	26.6 (±7.4)

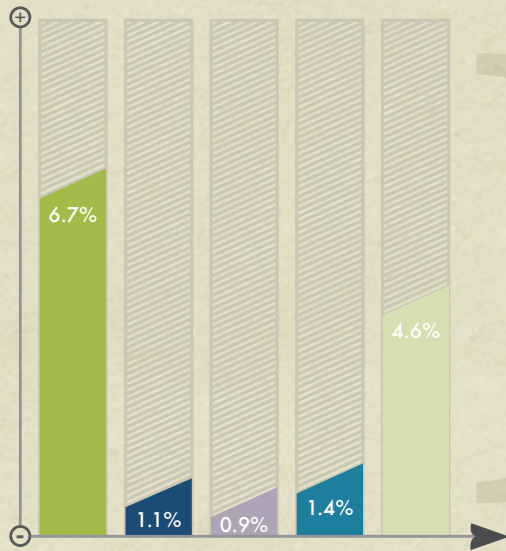
ever tried hookah

	2014
TOTAL	7.8 (±2.0)
SEX	
FEMALE	6.8 (±2.3)
MALE	8.8 (±2.7)
RACE	
WHITE	12.9 (±3.3)
BLACK	2.8 (±1.4)
GRADE	
9	4.5 (±2.6)
10	6.8 (±2.5)
11	7.2 (±3.6)
12	14.1 (±5.6)

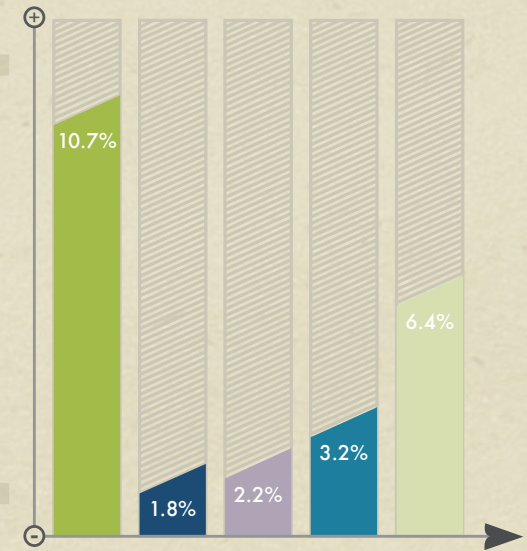
other tobacco & nicotine use

MS PUBLIC MIDDLE SCHOOLS

CURRENT USE {2014}



EVER USE {2014}



← electronic cigarettes →
 ← hookah →
 ← flavored little cigars →
 ← flavored cigarettes →
 ← roll your own →

current electronic cigarette smoking

	2014
TOTAL	6.7 (±2.6)
SEX	
FEMALE	4.4 (±2.1)
MALE	8.8 (±3.9)
RACE	
WHITE	6.1 (±3.5)
BLACK	7.8 (±3.9)
GRADE	
6	5.3 (±3.7)
7	7.1 (±4.8)
8	7.7 (±4.0)

current hookah use

	2014
TOTAL	1.1 (±0.5)
SEX	
FEMALE	0.4 (±0.6)
MALE	1.7 (±0.8)
RACE	
WHITE	1.0 (±0.8)
BLACK	0.8 (±0.9)
GRADE	
6	0.6 (±0.8)
7	0.8 (±0.4)
8	1.8 (±1.6)

ever tried an electronic cigarette

	2014
TOTAL	10.7 (±3.0)
SEX	
FEMALE	6.7 (±2.5)
MALE	14.7 (±4.5)
RACE	
WHITE	11.8 (±3.9)
BLACK	9.9 (±4.8)
GRADE	
6	8.4 (±4.2)
7	11.2 (±6.4)
8	12.5 (±5.1)

ever tried hookah

	2014
TOTAL	1.8 (±1.1)
SEX	
FEMALE	1.0 (±0.8)
MALE	2.5 (±1.6)
RACE	
WHITE	1.7 (±1.6)
BLACK	1.8 (±2.0)
GRADE	
6	0.4 (±1.0)
7	1.8 (±1.4)
8	3.1 (±2.9)

Mississippi Youth Tobacco Use {1998-2014} Current Cigarette Smoking - Public High School

APPENDIX {CIGARETTES}

	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
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)
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)
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)
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)
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)
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)
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	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)
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)

Mississippi Youth Tobacco Use {1998-2014} 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
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)
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)
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)
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)
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)
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)
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)
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)



Mississippi Youth Tobacco Use {1998-2014} Ever Tried a Cigarette - Public High School

APPENDIX {CIGARETTES}

	1998	1999	2000	2002	2003	2004	2006
TOTAL	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)
SEX							
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)
RACE							
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)
GRADE							
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
TOTAL	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)
SEX							
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)
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)
RACE							
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)
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)
GRADE							
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)
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)
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)
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)

Mississippi Youth Tobacco Use {1998-2014} 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
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)
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)
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)
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)
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)
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)
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)
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)

APPENDIX {CIGARETTES}

Mississippi Youth Tobacco Use {1998-2014} Frequent Cigarette Smoking - Public High School

APPENDIX {CIGARETTES}

	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
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)
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)
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)
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)
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)
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)
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)
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)
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)

Mississippi Youth Tobacco Use {1998-2014} 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
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)
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)
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)
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)
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)
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)
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)
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)



Mississippi Youth Tobacco Use {1998-2014} Current Smokeless Tobacco Use - Public High School

APPENDIX {SMOKELESS TOBACCO}

	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
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)
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)
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)
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)
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)
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)
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)
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)
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)

Mississippi Youth Tobacco Use {1998-2014} 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
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)
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)
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)
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)
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)
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)
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)
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)



Mississippi Youth Tobacco Use {1998-2014} Ever Tried Smokeless Tobacco - Public High School

APPENDIX {SMOKELESS TOBACCO}

	1998	1999	2000	2002	2003	2004	2006
TOTAL	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)
SEX							
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)
RACE							
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)
GRADE							
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
TOTAL	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)
SEX							
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)
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)
RACE							
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)
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)
GRADE							
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)
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)
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)
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)

Mississippi Youth Tobacco Use {1998-2014} 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
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)
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)
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)
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)
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)
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)
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)
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)



Mississippi Youth Tobacco Use {1998-2014} Frequent Smokeless Tobacco Use - Public High School

APPENDIX {SMOKELESS TOBACCO}

	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
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)
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)
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)
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)
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)
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)
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)
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)
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)

Mississippi Youth Tobacco Use {1998-2014} 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
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)
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)
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)
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)
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)
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)
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)
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)

Mississippi Youth Tobacco Use {1998-2014} Current Cigar Smoking - Public High School

APPENDIX {CIGARS}

	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
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)
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)
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)
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)
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)
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)
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)
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)
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)

Mississippi Youth Tobacco Use {1998-2014} 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
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)
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)
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)
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)
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)
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)
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)
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)

APPENDIX {CIGARS}



Mississippi Youth Tobacco Use {1998-2014} Ever Tried a Cigar - Public High School

APPENDIX {CIGARS}

	1998	1999	2000	2002	2003	2004	2006
TOTAL	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)
SEX							
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)
RACE							
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)
GRADE							
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
TOTAL	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)
SEX							
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)
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)
RACE							
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)
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)
GRADE							
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)
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)
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)
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)

Mississippi Youth Tobacco Use {1998-2014} Ever Tried a Cigar - Public Middle School

	1998	1999	2000	2002	2003	2004	2006
TOTAL	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)
SEX							
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)
RACE							
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)
GRADE							
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
TOTAL	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)
SEX							
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)
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)
RACE							
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)
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)
GRADE							
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)
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)
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)

Mississippi Youth Tobacco Use {1998-2014} 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
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)
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)
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)
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)
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)
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)
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)
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)
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)

Mississippi Youth Tobacco Use {1998-2014} 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
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)
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)
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)
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)
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)
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)
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)
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)





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, and 2014.

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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