Youth Tobacco Survey Data Presentation and Discussion

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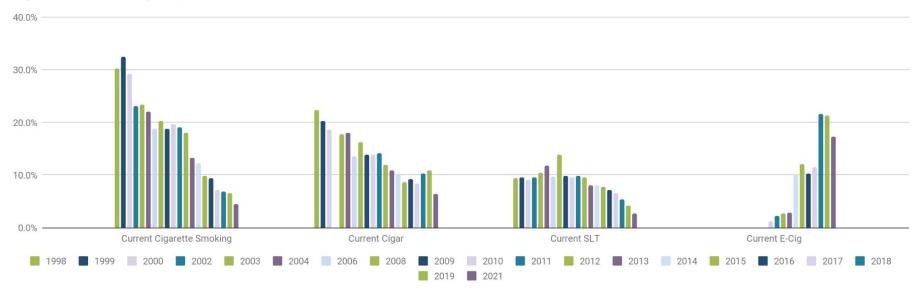


FY2022 MS Youth Tobacco Survey

- Status Currently in the field
- Methodology Consistent with all prior years
 Paper and pencil survey

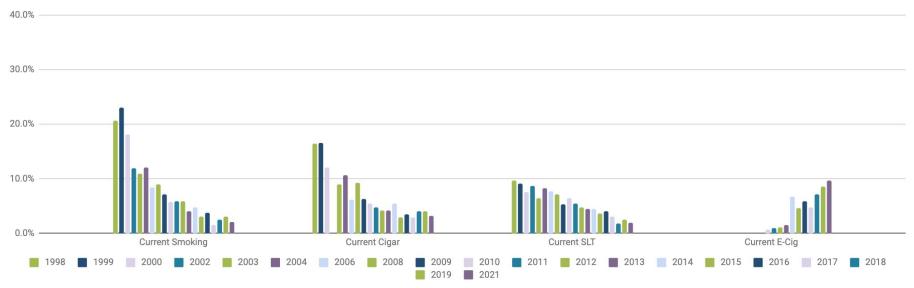
MS HS Youth Tobacco Use 1998-2021

High School Past 30-Day Use, 1998-2021

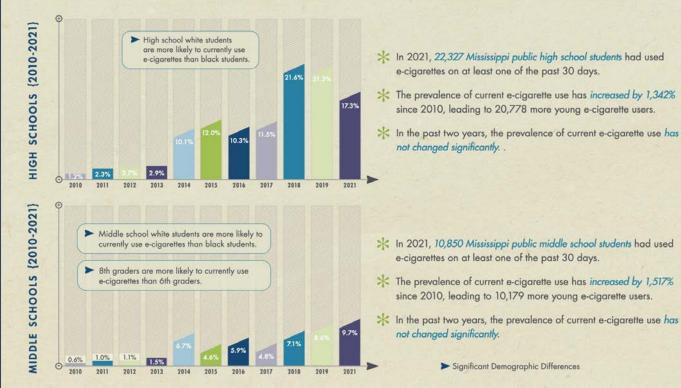


MS MS Youth Tobacco Use 1998-2021

Middle School Past 30-Day Use, 1998-2021



current electronic cigarette use MISSISSIPPI PUBLIC SCHOOLS

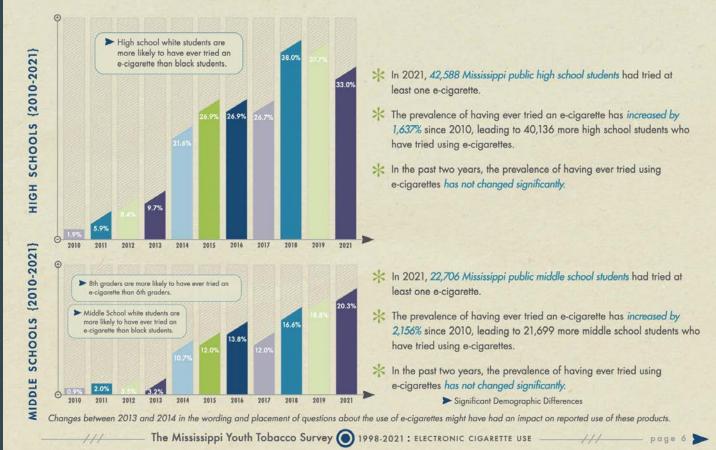


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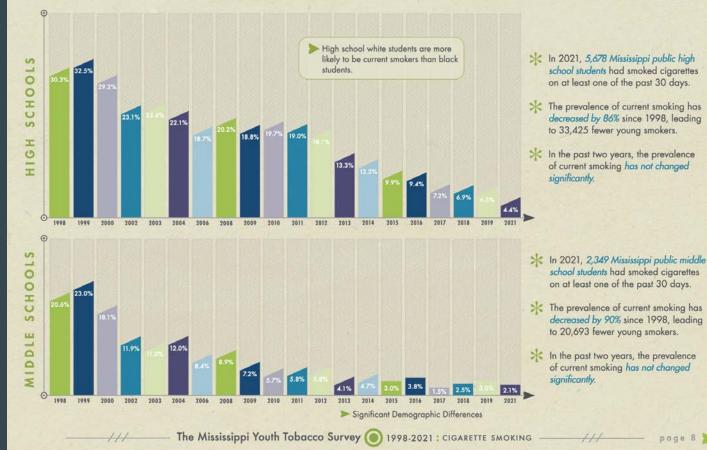
Changes between 2013 and 2014 in the wording and placement of questions about the use of e-cigarettes might have had an impact on reported use of these products.

The Mississippi Youth Tobacco Survey 🔘 1998-2021 : ELECTRONIC CIGARETTE USE -

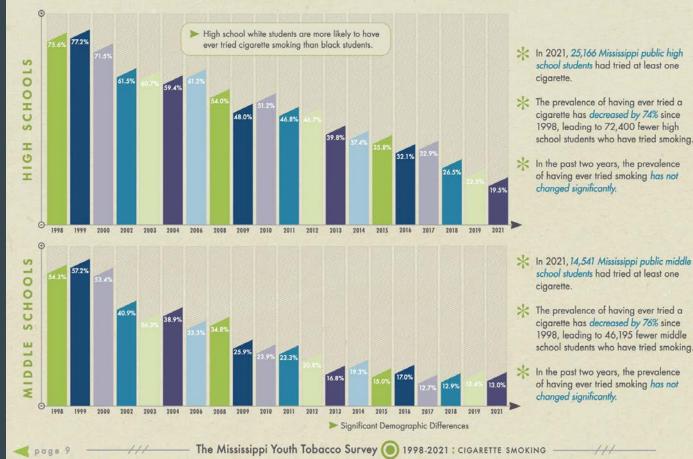
ever tried an electronic cigarette MISSISSIPPI PUBLIC SCHOOLS



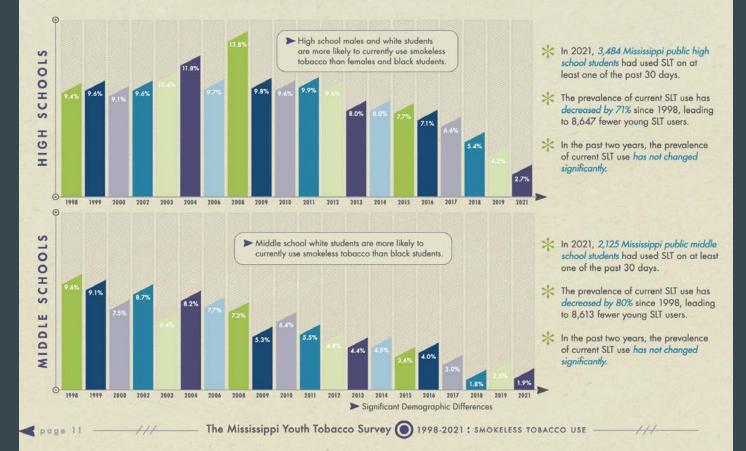
current cigarette smoking MISSISSIPPI PUBLIC SCHOOLS



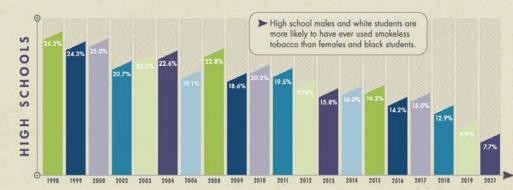
ever tried a cigarette MISSISSIPPI PUBLIC SCHOOLS



current smokeless tobacco use MISSISSIPPI PUBLIC SCHOOLS



ever tried smokeless tobacco MISSISSIPPI PUBLIC SCHOOLS



In 2021, 9,937 Mississippi public high school students had tried SLT at least one time.

The prevalence of having ever tried SLT has decreased by 71% since 1998, leading to 23,875 fewer high school students who have tried SLT.

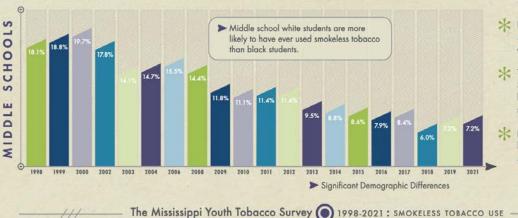
In the past two years, the prevalence of having ever tried SLT has not changed significantly.

- In 2021, 8,053 Mississippi public middle school students had tried SLT at least one time.
- The prevalence of having ever tried SLT has decreased by 60% since 1998, leading to 12,192 fewer middle school students who have tried SLT.

In the past two years, the prevalence of having ever tried SLT has not changed significantly.

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current cigar smoking MISSISSIPPI PUBLIC SCHOOLS

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16.6%

1999 2000

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2002

2003

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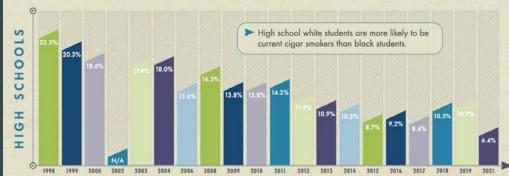
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1998



2004 2006 2008 2009 2010 2011 2012

- In 2021, 8,260 Mississippi public high school students had smoked cigars on at least one of the past 30 days.
- The prevalence of current cigar smoking has decreased by 71% since 1998, leading to 20,520 fewer young cigar smokers.
 - In the past two years, the prevalence of current cigar smoking has changed significantly.

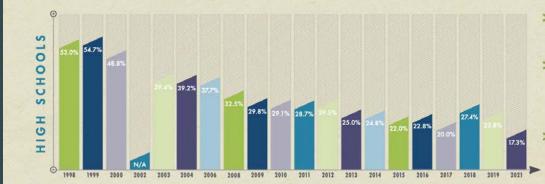
- In 2021, 3,579 Mississippi public middle school students had smoked cigars on at least one of the past 30 days.
- The prevalence of current cigar smoking has decreased by 80% since 1998, leading to 14,765 fewer young cigar smokers.
- In the past two years, the prevalence of current cigar smoking has not changed significantly.

111

3.2%

2013 2014 2015 2016 2017 2018 2019 2021

ever tried a cigar MISSISSIPPI PUBLIC SCHOOLS



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33.7%

22.2%

SCHOOLS

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1998 1999 2000 2002 2003 2004 2006 2008 2009 2010 2011 2012 2013

- In 2021, 22,327 Mississippi public high school students had tried at least one cigar.
- The prevalence of having ever tried a cigar has decreased by 67% since 1998, leading to 46,073 fewer high school students who have tried cigar smoking.
- In the past two years, the prevalence of having ever tried smoking cigars has changed significantly.

In 2021, 9,731 Mississippi public middle school students had tried at least one cigar.

The prevalence of having ever tried a cigar has decreased by 73% since 1998, leading to 26,621 fewer middle school students who have tried cigar smoking.

In the past two years, the prevalence of having ever tried smoking cigars has not changed significantly.

- The Mississippi Youth Tobacco Survey () 1998-2021 : CIGAR SMOKING

2014

2016

Significant Demographic Differences

2018 2019 2021

Change in Electronic Cigarette Use

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

Current Electronic Cigarette Use (Public High School)

	2010	2021	% Change
Overall	1.2%	17.3%	↑ 1341.7%*
Female	1.1%	20.1%	↑ 1727.3%*
Male	1.3%	14.4%	↑ 1007.7%*
White	1.8%	24.8%	↑ 1277.8%*
Black	0.6%	9.3%	↑ 1450.0%*
9th	1.2%	18.6%	↑ 1450.0%*
10th	0.9%	14.7%	↑ 1533.3%*
11th	0.3%	17.9%	↑ 5866.7%*
12th	2.5%	18.2%	↑ 628.0%*

Current Electronic Cigarette Use (Public Middle School)

	2010	2021	% Change
Overall	0.6%	9.7%	↑ 1516.7%*
Female	0.5%	11.0%	↑ 2100.0% *
Male	0.8%	8.4%	↑ 950.0%*
White	1.1%	12.6%	↑ 1045.5%*
Black	0.3%	6.9%	↑ 2200.0% *
6th	0.7%	4.8%	↑ 585.7%*
7th	0.3%	9.6%	↑ 3100.0%*
8th	1.0%	15.2%	↑ 1420.0%*

Ever Tried an Electronic Cigarette (Public High School)

	2010	2021	% Change
Overall	1.9%	33.0%	↑ 1636.8%*
Female	1.8%	37.1%	↑ 1961.1%*
Male	1.9%	28.3%	↑ 1389.5%*
White	3.1%	44.5%	↑ 1335.5%*
Black	0.7%	21.0%	↑ 2900.0% *
9th	1.6%	34.6%	↑ 2062.5% *
10th	1.2%	30.2%	↑ 2416.7%*
11th	1.2%	35.3%	↑ 2841.7%*
12th	3.8%	31.6%	↑ 731.6%*

Ever Tried an Electronic Cigarette (Public Middle School)

	2010	2021	% Change
Overall	0.9%	20.3%	↑ 2155.6% *
Female	0.7%	22.4%	↑ 3100.0%*
Male	1.0%	18.1%	↑ 1710.0%*
White	1.4%	26.8%	↑ 1814.3%*
Black	0.4%	14.1%	1 3425.0%*
6th	0.8%	13.8%	↑ 1625.0%*
7th	0.5%	21.1%	↑ 4120.0%*
8th	1.3%	26.5%	↑ 1938.5%*

Frequent Electronic Cigarette Use (Public High School)

	2014	2021	% Change
Overall	1.6%	7.1%	↑ 343.8%*
Female	0.9%	7.2%	↑ 700.0%*
Male	2.2%	6.8%	↑ 209.1%*
White	1.8%	12.5%	↑ 594.4%*
Black	0.9%	2.0%	ns
9th	0.7%	5.2%	↑ 642.9% *
10th	1.5%	5.5%	ns
11th	2.2%	7.5%	↑ 240.9% *
12th	2.1%	11.0%	↑ 423.8%*

Frequent Electronic Cigarette Use (Public Middle School)

	2014	2021	% Change
Overall	1.1%	1.8%	ns
Female	0.4%	2.2%	ns
Male	1.6%	1.3%	ns
White	1.1%	1.9%	ns
Black	1.0%	1.7%	ns
6th	0.4%	1.1%	ns
7th	0.8%	1.2%	ns
8th	2.2%	3.1%	ns

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

Change in Cigarette Smoking

Current Cigarette Smoking (Public High School)

	1998	2021	% Change
Overall	30.3%	4.4%	↓ 85.5%*
Female	27.1%	3.9%	↓ 85.6%*
Male	33.9%	4.6%	↓ 86.4%*
White	43.8%	6.6%	↓ 84.9% *
Black	14.2%	2.5%	↓ 82.4%*
9th	27.6%	4.2%	√ 84.8%*
10th	31.4%	2.8%	↓ 91.1% *
11th	33.5%	4.5%	↓ 86.6%*
12th	29.4%	6.5%	↓ 77.9% *

Current Cigarette Smoking (Public Middle School)

	1998	2021	% Change
Overall	20.6%	2.1%	↓ 89.8%*
Female	18.2%	1.8%	↓ 90.1%*
Male	23.0%	2.4%	↓ 89.6%*
White	22.8%	1.7%	↓ 92.5%*
Black	17.6%	2.6%	↓ 85.2%*
6th	11.9%	2.0%	↓ 83.2%*
7th	21.8%	1.9%	↓ 91.3%*
8th	25.8%	2.4%	↓ 90.7% *

Ever Tried a Cigarette (Public High School)

	1998	2021	% Change
Overall	75.6%	19.5%	↓ 74.2%*
Female	72.6%	19.2%	↓ 73.6%*
Male	78.7%	18.7%	↓ 76.2%*
White	79.4%	27.3%	↓ 65.6%*
Black	70.6%	11.2%	↓ 84.1%*
9th	73.1%	20.0%	↓ 72.6%*
10th	75.0%	13.2%	↓ 82.4%*
11th	76.9%	20.3%	↓ 73.6%*
12th	78.2%	25.2%	↓ 67.8%*

Ever Tried a Cigarette (Public Middle School)

	1998	2021	% Change
Overall	54.3%	13.0%	↓ 76.1%*
Female	51.2%	12.2%	↓ 76.2%*
Male	57.3%	13.9%	↓ 75.7%*
White	52.0%	14.0%	↓ 73.1%*
Black	56.3%	11.7%	↓ 79.2%*
6th	41.8%	10.9%	↓ 73.9%*
7th	55.0%	12.6%	↓ 77.1%*
8th	64.0%	15.8%	↓ 75.3%*

Frequent Cigarette Smoking (Public High School)

	1998	2021	% Change
Overall	14.3%	1.0%	↓ 93.0%*
Female	11.6%	0.4%	♦ 96.6%*
Male	17.3%	1.5%	↓ 91.3%*
White	23.2%	1.8%	↓ 92.2%*
Black	3.4%	0.3%	↓ 91.2%*
9th	8.3%	0.7%	↓ 91.6%*
10th	16.7%	1.5%	↓ 91.0%*
11th	17.9%	0.5%	↓ 97.2%*
12th	16.1%	1.3%	√ 91.9%*

Frequent Cigarette Smoking (Public Middle School)

	1998	2021	% Change
Overall	5.2%	0.3%	↓ 94.2%*
Female	3.6%	0.1%	↓ 97.2% *
Male	6.8%	0.5%	↓ 92.7%*
White	6.4%	0.4%	↓ 93.8%*
Black	2.6%	0.3%	↓ 88.5%*
6th	1.2%	0.2%	ns
7th	5.1%	0.1%	↓ 98.0%*
8th	7.1%	0.5%	↓ 93.0%*

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Change in Smokeless Tobacco Use

Current S (Pu	A	obacco chool)	Use

	1998	2021	% Change
Overall	9.4%	2.7%	↓ 71.3%*
Female	1.3%	0.8%	ns
Male	18.1%	4.6%	↓ 74.6%*
White	16.0%	4.7%	↓ 70.6%*
Black	1.5%	1.1%	ns
9th	9.1%	2.2%	↓ 75.8%*
10th	11.7%	2.5%	↓ 78.6%*
11th	6.8%	2.9%	ns
12th	8.6%	3.3%	ns

Current Smokeless Tobacco Use (Public Middle School)

	1998	2021	% Change
Overall	9.6%	1.9%	↓ 80.2%*
Female	4.2%	1.3%	↓ 69.1% *
Male	14.8%	2.7%	↓ 81.8%*
White	12.7%	3.5%	↓ 72.4%*
Black	4.8%	0.7%	↓ 85.4%*
6th	6.5%	2.1%	↓ 67.7%*
7th	8.7%	1.7%	↓ 80.5%*
8th	12.0%	2.1%	↓ 82.5%*

Ever Tried Smokeless Tobacco (Public High School)

	1998	2021	% Change
Overall	26.2%	7.7%	↓ 70.6%*
Female	11.4%	2.2%	↓ 80.7%*
Male	42.2%	13.0%	↓ 69.2%*
White	38.5%	13.1%	↓ 66.0%*
Black	11.6%	2.8%	↓ 75.9% *
9th	25.7%	7.2%	↓ 72.0%*
10th	27.0%	6.0%	↓ 77.8%*
11th	25.4%	7.9%	↓ 68.9%*
12th	25.8%	10.1%	↓ 60.9%*

Ever Tried Smokeless Tobacco (Public Middle School)

	1998	2021	% Change
Overall	18.1%	7.2%	↓ 60.2%*
Female	7.2%	4.7%	ns
Male	28.5%	9.8%	↓ 65.6%*
White	24.0%	12.9%	↓ 46.3%*
Black	10.5%	2.8%	↓ 73.3%*
6th	12.9%	7.0%	ns
7th	19.0%	7.5%	↓ 60.5%*
8th	20.7%	7.2%	↓ 65.2%*

Frequent Smokeless Tobacco Use (Public High School)

	1998	2021	% Change
Overall	3.7%	0.9%	↓ 75.7%*
Female	0.4%	0.0%	ns
Male	7.3%	1.9%	↓ 74.0%*
White	6.4%	1.5%	↓ 76.6%*
Black	0.2%	0.5%	ns
9th	2.2%	0.3%	ns
10th	5.5%	1.0%	ns
11th	3.7%	0.7%	ns
12th	3.5%	1.9%	ns

Frequent Smokeless Tobacco Use (Public Middle School)

	1998	2021	% Change
Overall	2.2%	0.3%	↓ 86.4%*
Female	0.9%	0.1%	ns
Male	3.5%	0.6%	↓ 82.9%*
White	2.4%	0.6%	ns
Black	1.0%	0.2%	ns
6th	0.5%	0.2%	ns
7th	1.7%	0.0%	ns
8th	3.0%	0.8%	ns

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

Change in Cigar Smoking

Current Cigar Smoking (Public High School)

	1998	2021	% Change
Overall	22.3%	6.4%	↓ 71.3%*
Female	13.8%	5.8%	↓ 58.0%*
Male	31.1%	7.1%	↓ 77.2%*
White	23.5%	4.9%	↓ 79.2%*
Black	20.1%	8.2%	↓ 59.2%*
9th	18.9%	5.5%	↓ 70.9%*
10th	24.7%	5.5%	↓ 77.7%*
11th	23.8%	6.8%	↓ 71.4%*
12th	22.0%	8.2%	↓ 62.7%*

Ever Tried a Cigar (Public High School)

	1998	2021	% Change
Overall	53.0%	17.3%	↓ 67.4%*
Female	43.2%	16.8%	↓ 61.1%*
Male	63.5%	16.8%	↓ 73.5%*
White	54.4%	15.8%	↓ 71.0%*
Black	51.1%	19.2%	↓ 62.4%*
9th	50.0%	16.8%	↓ 66.4%*
10th	49.9%	13.1%	↓ 73.8%*
11th	57.5%	19.4%	↓ 66.3%*
12th	56.9%	20.2%	↓ 64.5%*

1	1998	2021	% Change
Overall	16.4%	3.2%	↓ 80.5%*
Female	12.3%	3.3%	↓ 73.2%*
Male	20.4%	3.1%	↓ 84.8%*
White	12.3%	2.5%	↓ 79.7% *
Black	19.9%	4.1%	↓ 79.4%*
6th	7.9%	2.7%	↓ 65.8%*
7th	17.1%	3.1%	↓ 81.9%*
8th	21.2%	3.9%	↓ 81.6%*

Current Cigar Smoking (Public Middle School)

Ever Tried a Cigar (Public Middle School)

	1998	2021	% Change
Overall	32.5%	8.7%	↓ 73.2%*
Female	24.2%	8.2%	↓ 66.1%*
Male	40.7%	9.4%	↓ 76.9% *
White	29.2%	7.5%	↓ 74.3%*
Black	35.6%	9.8%	↓ 72.5%*
6th	19.2%	7.3%	↓ 62.0%*
7th	35.5%	8.8%	↓ 75.2%*
8th	40.2%	10.4%	↓ 74.1%*

KEY (↓) decrease (*) significant (个) increase (ns) non-significant

Frequent Cigar Smoking (Public High School)

	1998	2021	% Change
Overall	1.4%	1.3%	ns
Female	0.2%	0.7%	ns
Male	2.6%	1.9%	ns
White	1.5%	1.6%	ns
Black	0.9%	1.1%	ns
9th	1.1%	0.8%	ns
10th	1.8%	1.5%	ns
11th	1.0%	1.6%	ns
12th	1.4%	1.5%	ns

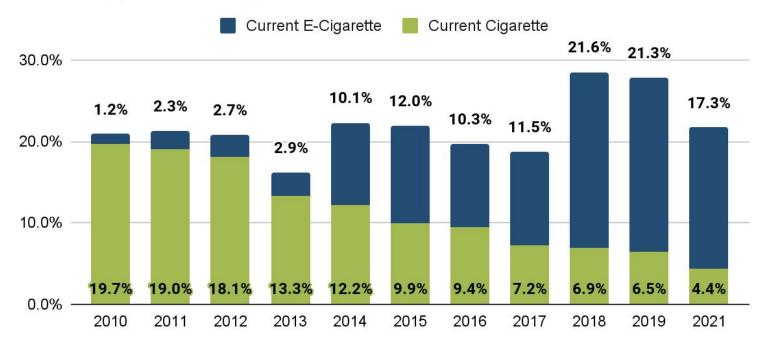
Frequent Cigar Smoking (Public Middle School)

	1998	2021	% Change
Overall	1.7%	0.6%	ns
Female	0.9%	0.6%	ns
Male	2.4%	0.7%	ns
White	1.3%	0.4%	ns
Black	1.7%	0.8%	ns
6th	0.2%	0.6%	ns
7th	1.0%	0.3%	ns
8th	1.9%	1.0%	ns

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Past 30-Day Cigarette Smoking and E-Cigarettes Use, Mississippi Public High School Students

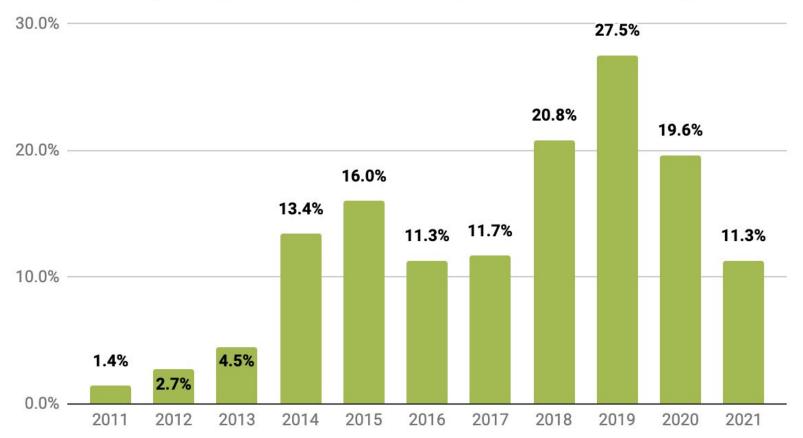


High School

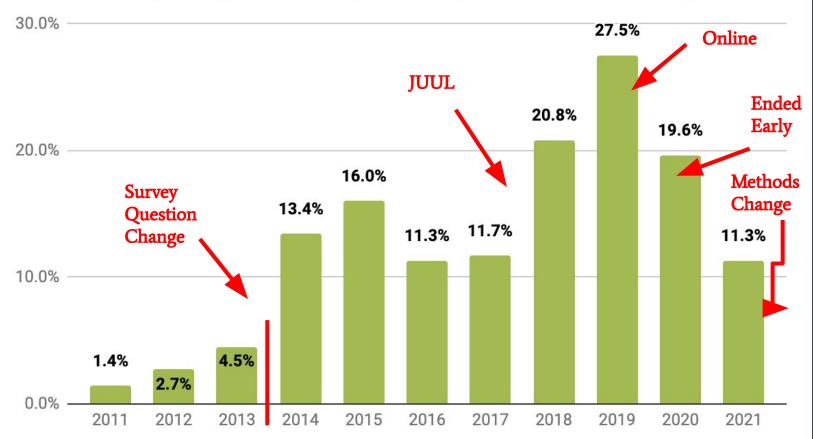
National Youth Tobacco Survey 2019-2021

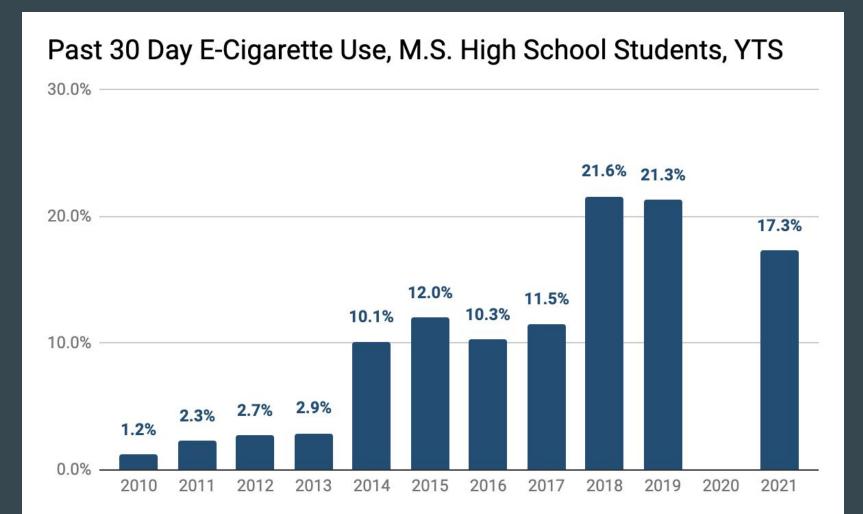
- 2019
 - Survey transitioned to 100% online
 - Survey taken at school
- 2020
 - Survey was ended 2 months early due to the pandemic
- 2021
 - Survey online
 - Survey taken at school or home

Past 30-Day E-Cigarette Use, U.S. High School Students, NYTS



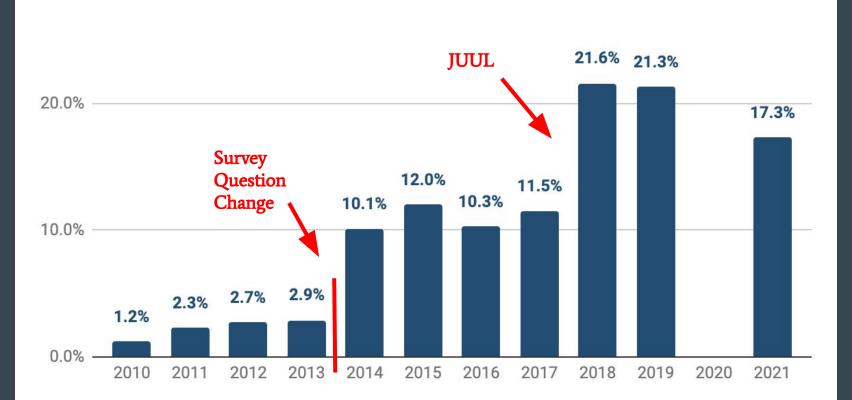
Past 30-Day E-Cigarette Use, U.S. High School Students, NYTS





Past 30 Day E-Cigarette Use, M.S. High School Students, YTS

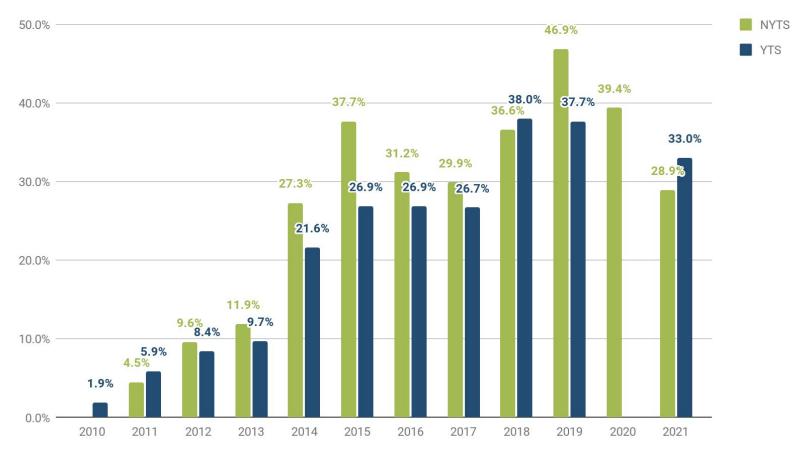
30.0%



High School Current E-Cigarette Use



High School Ever E-Cigarette Use



Marijuana Use

New for 2022 MS YTS

- 6 Questions have been added to the 2022 MS YTS survey
 - Prevalence (ever use)
 - Age of use
 - Frequency of use (current use)
 - Ways of obtaining (multiple choice and select **usual** source)
 - Cessation

For More Information mstobaccodata.org

For YTS Data Book https://mstobaccodata.org/wp-content/uploa ds/2022/07/YTS-publication-2022.pdf