

2008 Youth Tobacco Survey



Mary Currier, MD, MPH
State Health Officer

Paul Byers, MD
Acting State Epidemiologist

Roy Hart, MPH, CHES
Director, Office of Tobacco Control

Lei Zhang, PhD, MBA
Director, Office of Health Data and Research

Rodolfo Vargas, MS
Biostatistician, Office of Health Data and Research

Table of Contents

| | |
|--|------------|
| Acknowledgements | ii |
| Foreword | iii |
| Introduction | 1 |
| Sample Design and Methodology | 2 |
| Definitions | 3 |
| Prevalence | 4 |
| Statistically significant differences | 4 |
| Current tobacco use | 5 |
| Current cigarette use | 7 |
| Ever cigarette use..... | 10 |
| Frequent cigarette use..... | 12 |
| Current cigar use | 14 |
| Ever cigar use..... | 16 |
| Frequent cigar use..... | 18 |
| Current smokeless tobacco use | 19 |
| Ever smokeless tobacco use | 21 |
| Frequent smokeless tobacco use..... | 23 |
| Other important results | 24 |
| Public school trends of tobacco use | 26 |
| Access | 27 |
| Environmental Tobacco Smoke | 29 |
| Awareness | 31 |
| Influence | 33 |
| Curriculum | 35 |
| Cessation | 36 |
| Susceptibility | 37 |
| Appendices | 38 |
| Ever cigarette use trend 2000 – 2008 | 39 |
| Current cigarette use trend 2000 – 2008..... | 40 |
| Frequent cigarette use trend 2000 – 2008 | 41 |

Acknowledgements

The 2008 Youth Tobacco Survey was made possible with the support of the Mississippi Department of Education; superintendents, principals, teachers and students who allocated the time to administer the survey; The Centers for Disease Control and Prevention, Office on Smoking and Health; and the Mississippi State University Social Science Research Center.

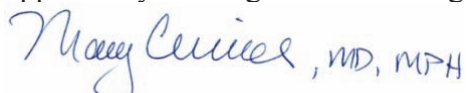
Suggested Citation: The 2008 Youth Tobacco Survey. Office of Health Data and Research. Mississippi State Department of Health, 2010.

This report was prepared by the Mississippi State Department of Health Office of Tobacco Control and Office of Health Data and Research.

Foreword

The Youth Tobacco Survey is conducted in randomly selected middle and high schools, and collects data related to the prevalence of tobacco use among young people as well as their tobacco-related knowledge and attitudes. This survey offers data on tobacco use – including cigarettes, smokeless tobacco, pipes, cigars, kreteks, bidis or any combination of the above - for students across the state. The data are used to design, implement and evaluate comprehensive tobacco control programs that work to prevent young people from starting tobacco use and help those who have already started using tobacco to quit. The data gathered will help us to monitor youth tobacco use trends and assess the effectiveness of the tobacco control programs.

These findings provide the opportunity for educators, legislators, policy makers, community service planners and parents to re-examine our intervention strategies in reducing youth tobacco use through education, awareness and advocacy efforts and will be valuable in determining the most effective way to address this urgent health concern. We must seize this opportunity to bring the benefit of good health to the children of this State.

A handwritten signature in blue ink that reads "Mary Currier, MD, MPH". The signature is written in a cursive style.

Mary Currier, MD, MPH
State Health Officer

Introduction

Tobacco use is the leading preventable cause of death and disease in the United States. Each year more than 400,000 deaths or one in every five, occur due to tobacco consumption. Despite public health efforts to create awareness of the adverse health effects, the incidence of tobacco use among adolescents and young adults remains high.

The Youth Tobacco Survey (YTS) is the national surveillance model for youth tobacco use. It provides a critical source of public health data for understanding the scope of the tobacco problem and measuring progress toward overall goals among youth.

The first Mississippi Youth Tobacco Survey (MS YTS) was conducted in 1998 following the landmark tobacco settlement. The initial MS YTS represents baseline data collected prior to implementation of program activities. Subsequent MS YTS provide a measure of program effectiveness in preventing and reducing youth tobacco use and in changing attitudes toward tobacco and tobacco-related behaviors.

Currently, the MS YTS is conducted annually in randomly selected middle and high schools (grades 6 – 12) throughout the state. This pattern allows for data collected at the state level to be compared with national data. The MS YTS comprises a state approved core questionnaire designed to gather data on seven topics:

- Prevalence of tobacco use among young people
- Tobacco-related knowledge and attitudes of young people and their parents
- Role of the media and advertising in young people's use of tobacco
- Minors' access to tobacco
- Tobacco-related school curriculum
- Environmental tobacco smoke exposure at home and in automobiles
- Likelihood of cessation of tobacco use

The Mississippi State Department of Health Office of Tobacco Control utilizes the data to develop and implement statewide programs based on the Centers for Disease Control and Prevention's *Best Practices for Comprehensive Tobacco Control Programs*:

- Health Communication Interventions
- Cessation Interventions
- State and Community Interventions
- Surveillance and Evaluation
- Administration and Management

Sample Design and Methodology

The Youth Tobacco Survey (YTS) uses a two-stage sample design:

Stage 1: Schools are selected with probability proportional to enrollment size (PPS). In Mississippi, separate samples are drawn for public high schools and public middle schools.

Stage 2: Systematic equal probability sampling with a random start was used to select classes from each school that participated in the survey. All students in each selected class were eligible for participation in the survey.

Separate school and student response rates are calculated for each survey. The overall response rate is calculated as the product of the school and student response rate. The YTS uses a 60 percent overall response rate as the minimum criteria for being representative of a population. All of the surveys through year 1999 until 2006 have reached the minimum overall rate of 60 percent. In 2008, the overall response rate was 65% in middle school and 59% in high school. Weight adjustments are made for the following:

$$W = W1 * W2 * f1 * f2 * f3$$

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 student-level non-response adjustment factor calculated by class; and

f3 = a post stratification adjustment factor calculated by gender within grade.

The weighted results can be used to make inferences for all Mississippi students in the respective populations (public high school and public middle school).

Definitions

Any Tobacco Use — the use of cigarettes, smokeless tobacco, pipes, cigars, kreteks, bidis, or any combination of the above.

Current Use — the use of a tobacco product on one or more of the past thirty days.

Ever Use — having ever tried a tobacco product even just once. For example, an ever smoker has tried cigarettes, even if just one puff.

Frequent Use — the use of a tobacco product on 20 or more of the past 30 days.

Never Use — never tried a particular tobacco product. For example, a never smoker has never tried even a puff of a cigarette.

Bidis (or “Beedies”) — small brown cigarettes from India consisting of tobacco wrapped in a leaf, tied with a thread.

Kreteks — cigarettes containing tobacco and clover extract.

Smoking Uptake Continuum Susceptibility Index — the percentage of students that never smoked even a puff of a cigarette and meets ONE of the following three criteria:

- 1) Responded “Yes” to the question “Do you think you will try a cigarette soon?”
- 2) Responded “Definitely Yes” or “Probably Yes” or “Probably Not” to the question “Do you think you will smoke a cigarette at anytime during the next year?”
- 3) Responded “Definitely Yes” or “Probably Yes” or “Probably Not” to the question “If one of your best friends offered you a cigarette, would you smoke it?”

95% Confidence Interval — In repeated sampling, with large sample size, we are 95% confident that the single computed interval $\hat{p} \pm z_{0.975}SE_{\hat{p}}$ contains the population percentage p , where \hat{p} is the sample percentage, and $SE_{\hat{p}}$ represents the corresponding standard error.

Statistically Significant Difference — the difference between two percents is considered Statistically Significant (also stated as “Significant” in this publication) if the 95% confidence intervals for the two percents do not overlap.

Prevalence

Statistically significant differences

The 2008 Mississippi Youth Tobacco Survey analysis found many significant changes when compared to the 2006 survey in public high and middle schools. Some of these are listed below.

- The percentage of high school students who reported being taught in school about the dangers of tobacco use increased from 34.1% in 2006 to 48.8% in 2008.
- The percentage of never smokers in high school who reported being in the same room as someone who was smoking, during the past 7 days prior to the survey, decreased from 48.4% in 2006 to 36.2% in 2008.
- The percentage of high school students who reported being current pipe smokers increased from 4.5% in 2006¹ to 14.1% in 2008².
- The percentage of middle school students who reported being current pipe smokers increased from 3.2% in 2006 to 9.4% in 2008.
- The percentage of middle school students who reported ever being bidis or kreteks smokers increased from 6.5% in 2006 to 10.4% in 2008.

¹In 2006 students were considered current pipe smokers if they answered 'one or more days' to the question "During the past 30 days, on how many days did you smoke tobacco in a pipe?"

² In 2008 students were considered current pipe smokers if they answered 'one or more days' to at least one of the following questions:

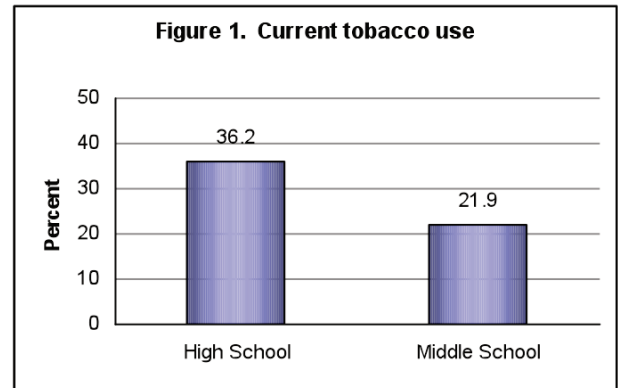
1) During the past 30 days, on how many days did you smoke tobacco in a water pipe?

2) During the past 30 days, on how many days did you smoke tobacco in a pipe? Do not include water pipes.

Current tobacco use

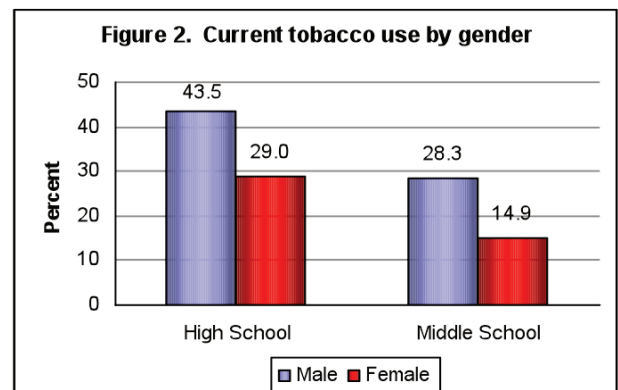
Overall

- The overall 2008 YTS results indicate that 36.2% of high school students and 21.9% of middle school students reported being current tobacco users (Figure 1).



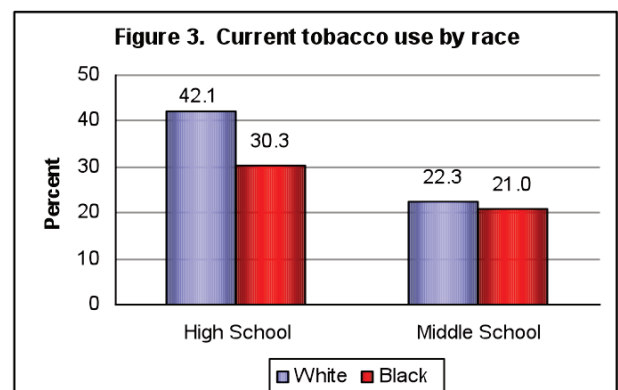
By Gender

- The percentage of high school students who reported being current tobacco users was significantly higher among males (43.5%) compared to females (29.0%) (Figure 2).
- The percentage of middle school students who reported being current tobacco users was significantly higher among males (28.3%) compared to females (14.9%).



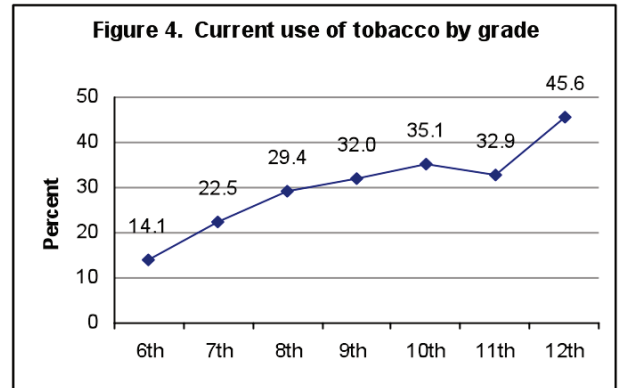
By Race

- The percentage of high school students who reported being current tobacco users was 42.1% among whites and 30.3% among blacks (Figure 3).
- The percentage of middle school students who reported being current tobacco users was 22.3% among whites and 21.0% among blacks.



By Grade

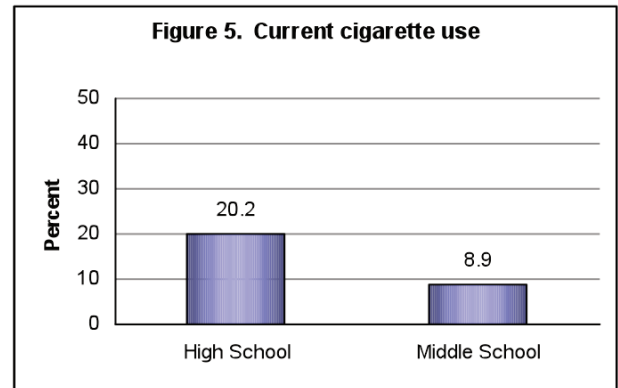
- Overall, the percentage of current tobacco use among students increased as grade level increased, from 14.1% in 6th grade to 45.6% in 12th grade (Figure 4).



Current cigarette use

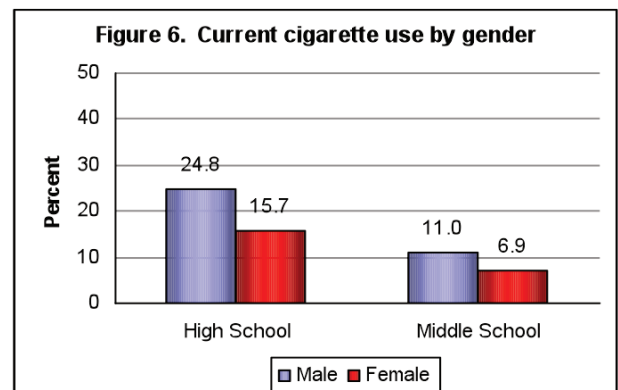
Overall

- The overall 2008 YTS results indicate that 20.2% of high school students and 8.9% of middle school students reported being current cigarette smokers (Figure 5).



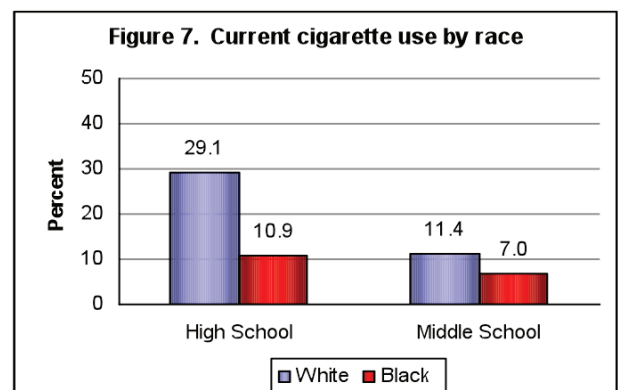
By Gender

- The percentage of high school students who reported being current cigarette smokers was significantly higher among males (24.8%) compared to females (15.7%) (Figure 6).
- The percentage of middle school students who reported being current cigarette smokers was 11.0% among males and 6.9% among females.



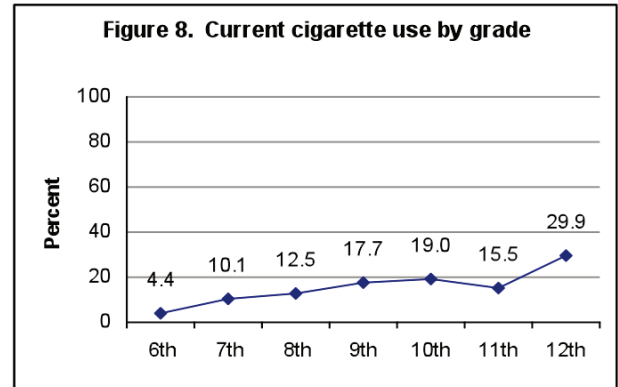
By Race

- The percentage of high school students who reported being current cigarette smokers was significantly higher among whites (29.1%) compared to blacks (10.9%) (Figure 7).
- The percentage of middle school students who reported being current cigarette smokers was 11.4% among whites and 7.0% among blacks.



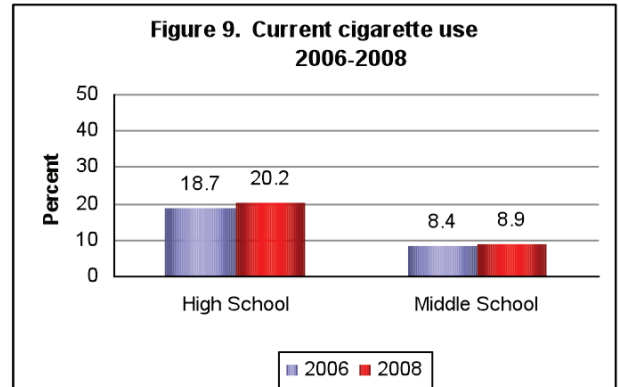
By Grade

- Overall, the percentage of current cigarette use among students increased as grade level increased, from 4.4% in 6th grade to 29.9% in 12th grade (Figure 8).



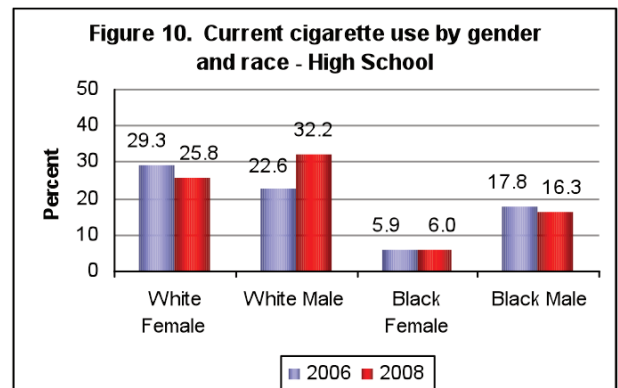
2006 – 2008 Comparison

- The percentage of high school students who reported being current cigarette smokers was 18.7% in 2006 and 20.2% in 2008 (Figure 9).
- The percentage of middle school students who reported being current cigarette smokers was 8.4% in 2006 and 8.9% in 2008.

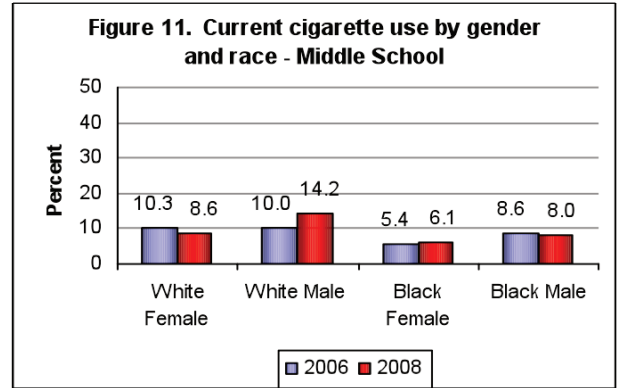


By Gender and Race

- The percentage of high school students who reported being current cigarette smokers was significantly lower among black females compared to other gender by race groups, both in 2006 and 2008 (Figure 10).



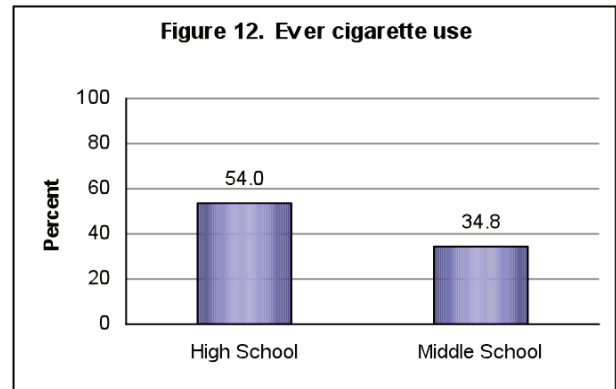
- The percentage of middle school students, in all gender by race combinations, who reported being current cigarette smokers, did not change significantly from 2006 to 2008. (Figure 11).



Ever cigarette use

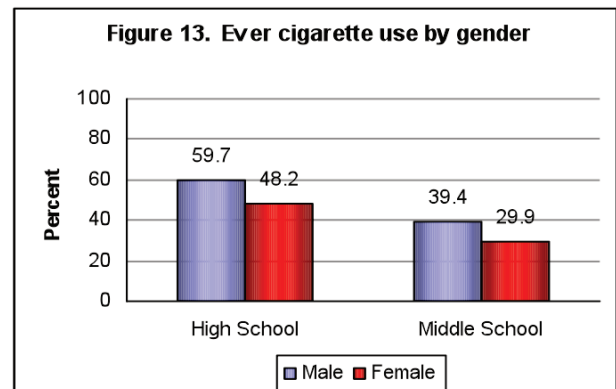
Overall

- The overall 2008 YTS results indicate that 54.0% of high school students and 34.8% of middle school students reported ever being cigarette smokers (Figure 12).



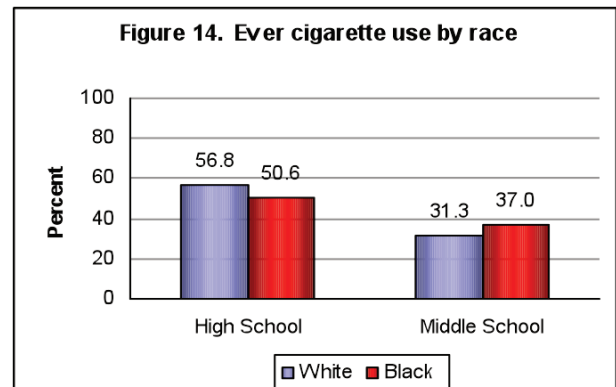
By Gender

- The percentage of high school students who reported ever being cigarette smokers was significantly higher among males (59.7%) compared to females (48.2%) (Figure 13).
- The percentage of middle school students who reported ever being cigarette smokers was 39.4% among males and 29.9% among females.



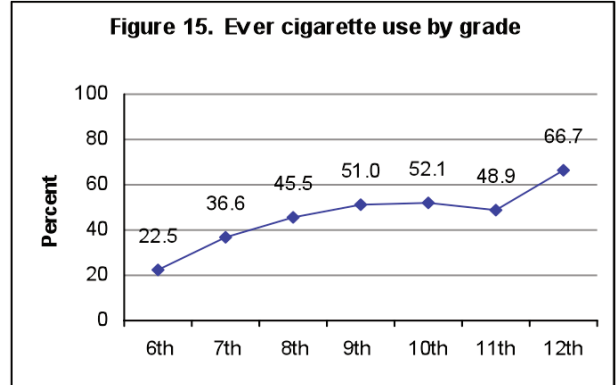
By Race

- The percentage of high school students who reported ever being cigarette smokers was 56.8% among whites and 50.6% among blacks (Figure 14).
- The percentage of middle school students who reported ever being cigarette smokers was 31.3% among whites and 37.0% among blacks.



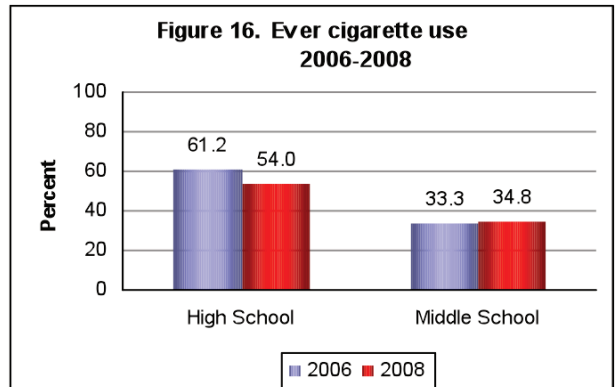
By Grade

- Overall, the percentage of ever cigarette use among students increased as grade level increased; from 22.5% in 6th grade to 66.7% in 12th grade (Figure 15).



2006 – 2008 Comparison

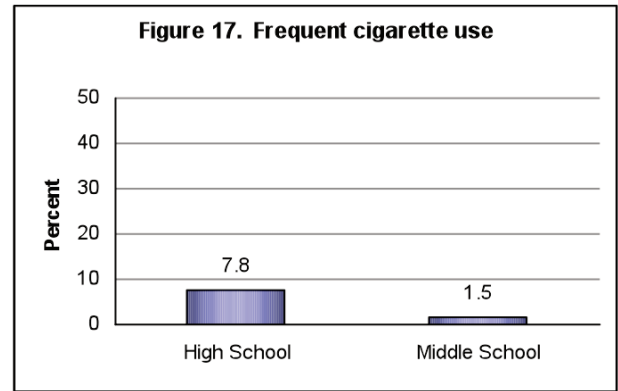
- The percentage of high school students who reported ever being cigarette smokers was 61.2% in 2006 and 54.0% in 2008 (Figure 16).
- The percentage of middle school students who reported ever being cigarette smokers was 33.3% in 2006 and 34.8% in 2008.



Frequent cigarette use

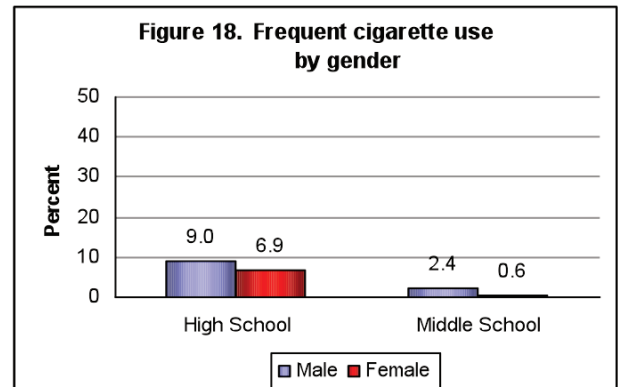
Overall

- The overall 2008 YTS results indicate that 7.8% of high school students and 1.5% of middle school students reported being frequent cigarette smokers (Figure 17).



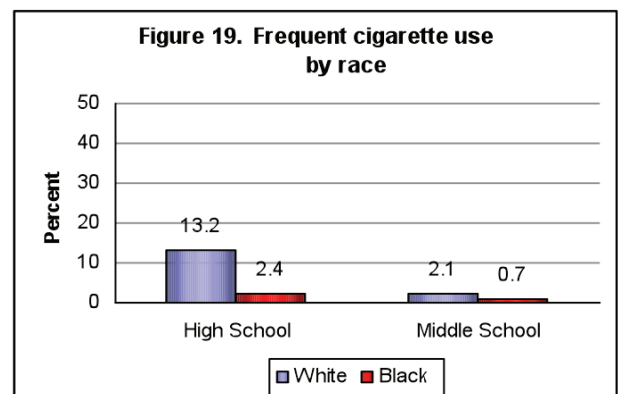
By Gender

- The percentage of high school students who reported being frequent cigarette smokers was 9.0% among males and 6.9% among females (Figure 18).
- The percentage of middle school students who reported being frequent cigarette smokers was significantly higher among males (2.4%) compared to females (0.6%).



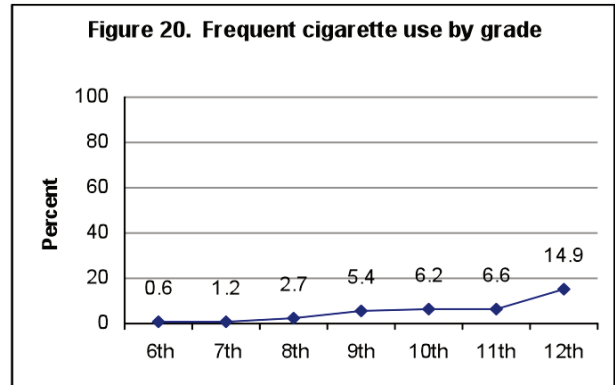
By Race

- The percentage of high school students who reported being frequent cigarette smokers was significantly higher among whites (13.2%) compared to blacks (2.4%) (Figure 19).
- The percentage of middle school students who reported being frequent cigarette smokers was 2.1% among whites and 0.7% among blacks.



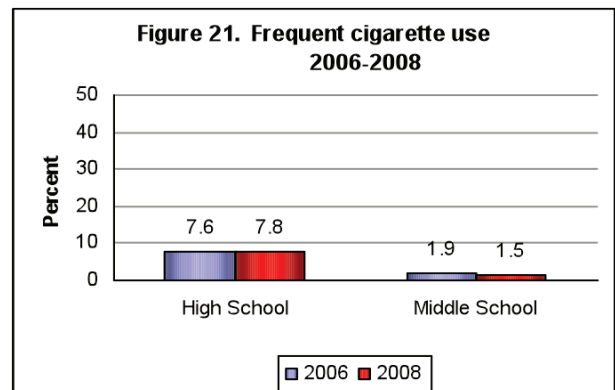
By Grade

- As grade level increased, percentage of frequent cigarette use among students increased, from 0.6% in 6th grade to 14.9% in 12th grade (Figure 20).



2006 – 2008 Comparison

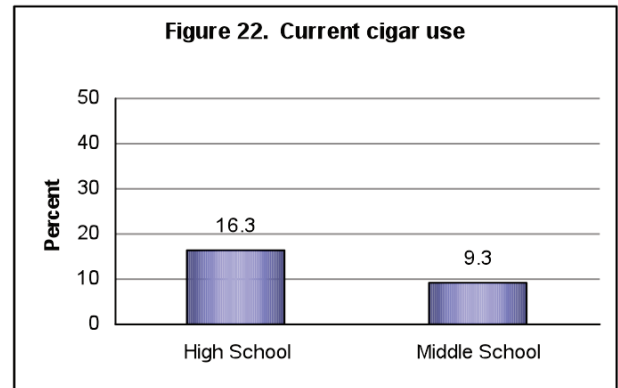
- The percentage of high school students who reported being frequent cigarette smokers was 7.6% in 2006 and 7.8% in 2008 (Figure 21).
- The percentage of middle school students who reported being frequent cigarette smokers was 1.9% in 2006 and 1.5% in 2008.



Current cigar use

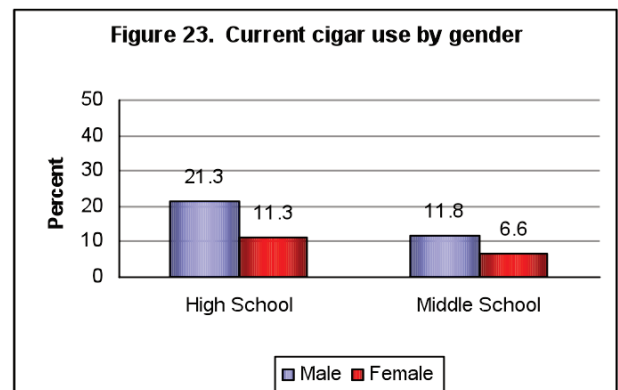
Overall

- The 2008 YTS results indicate that 16.3% of high school students and 9.3% of middle school students reported being current cigar smokers (Figure 22).



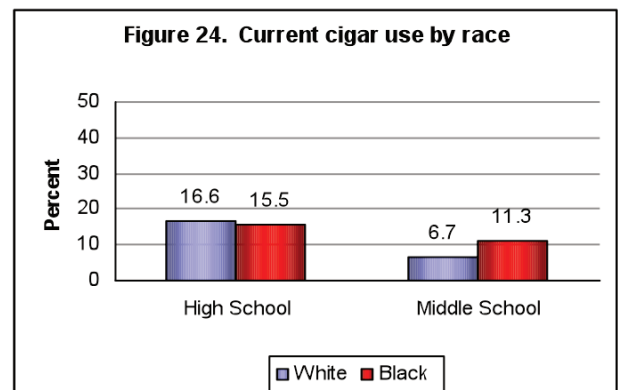
By Gender

- The percentage of high school students who reported being current cigar smokers was significantly higher among males (21.3%) compared to females (11.3%) (Figure 23).
- The percentage of middle school students who reported being current cigar smokers was significantly higher among males (11.8%) compared to females (6.6%).



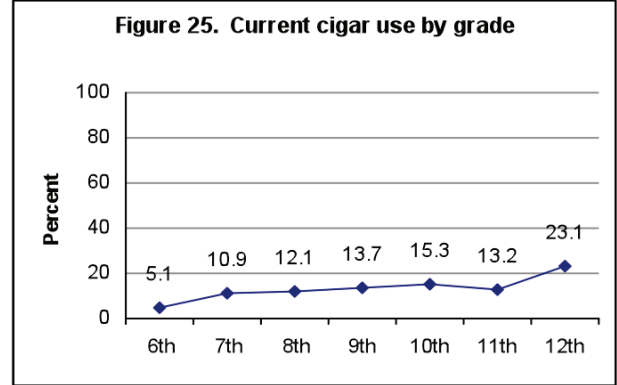
By Race

- The percentage of high school students who reported being current cigar smokers was 16.6% among whites and 15.5% among blacks (Figure 24).
- The percentage of middle school students who reported being current cigar smokers was 6.7% among whites and 11.3% among blacks.



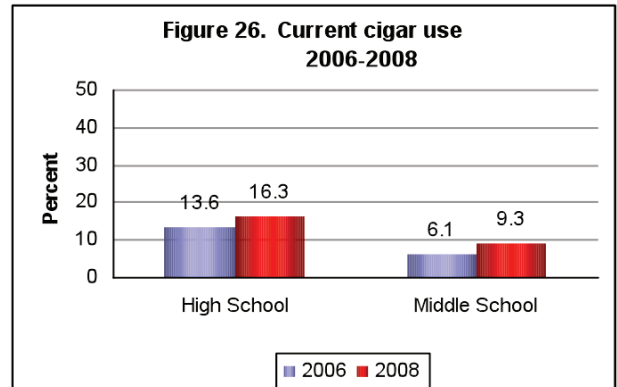
By Grade

- Overall, the percentage of current cigar use among students increased as grade level increased, from 5.1% in 6th grade to 23.1% in 12th grade (Figure 25).



2006 – 2008 Comparison

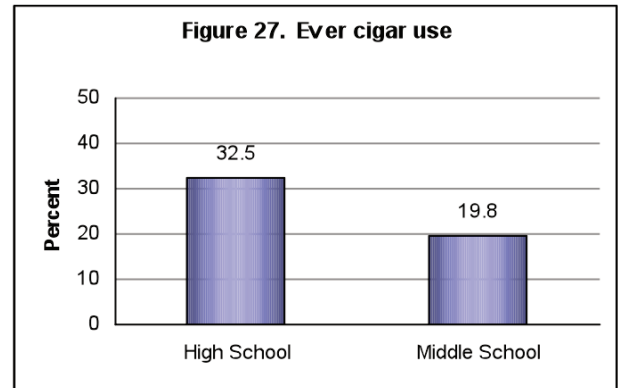
- The percentage of high school students who reported being current cigar smokers was 13.6% in 2006 and 16.3% in 2008 (Figure 26).
- The percentage of middle school students who reported being current cigar smokers was 6.1% in 2006 and 9.3% in 2008.



Ever cigar use

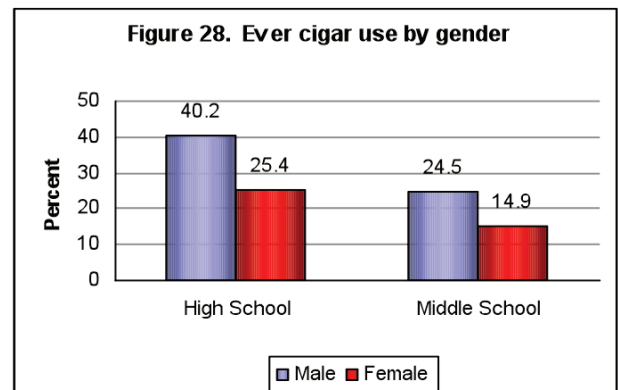
Overall

- The overall 2008 YTS results indicate that 32.5% of high school students and 19.8% of middle school students reported ever being cigar smokers (Figure 27).



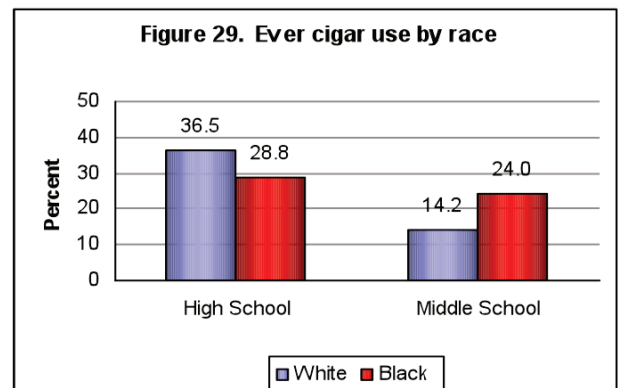
By Gender

- The percentage of high school students who reported ever being cigar smokers was significantly higher among males (40.2%) compared to females (25.4%) (Figure 28).
- The percentage of middle school students who reported ever being cigar smokers was significantly higher among males (24.5%) compared to females (14.9%).



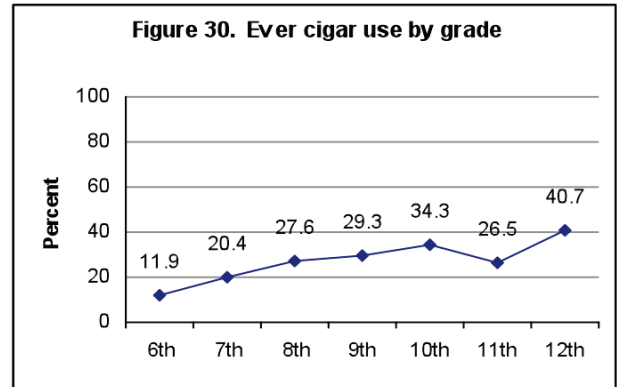
By Race

- The percentage of high school students who reported ever being cigar smokers was 36.5% among whites and 28.8% among blacks (Figure 29).
- The percentage of middle school students who reported ever being cigar smokers was significantly lower among whites (14.2%) compared to blacks (24.0%).



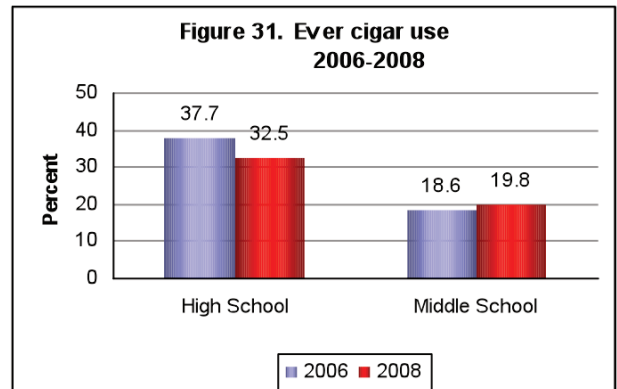
By Grade

- Overall, the percentage of ever cigar use among students increased as grade level increased, from 11.9% in 6th grade to 40.7% in 12th grade (Figure 30).



2006 – 2008 Comparison

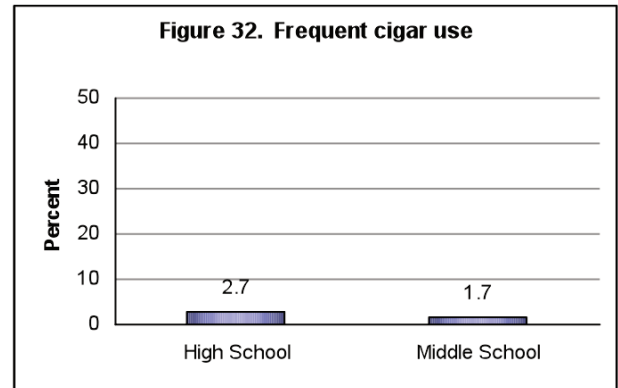
- The percentage of high school students who reported ever being cigar smokers was 37.7% in 2006 and 32.5% in 2008 (Figure 31).
- The percentage of middle school students who reported ever being cigar smokers was 18.6% in 2006 and 19.8% in 2008.



Frequent cigar use

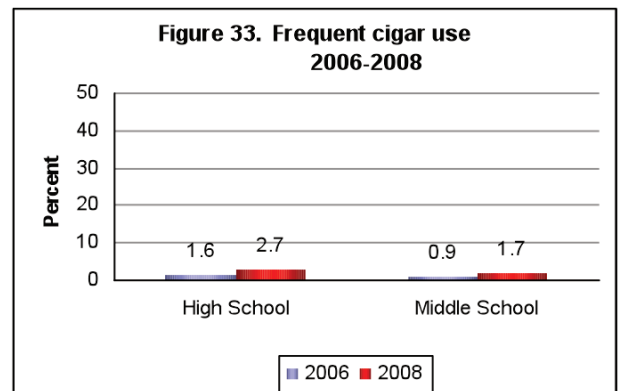
Overall

- The overall 2008 YTS results indicate that 2.7% of high school students and 1.7% of middle school students reported being frequent cigar smokers (Figure 32).



2006 – 2008 Comparison

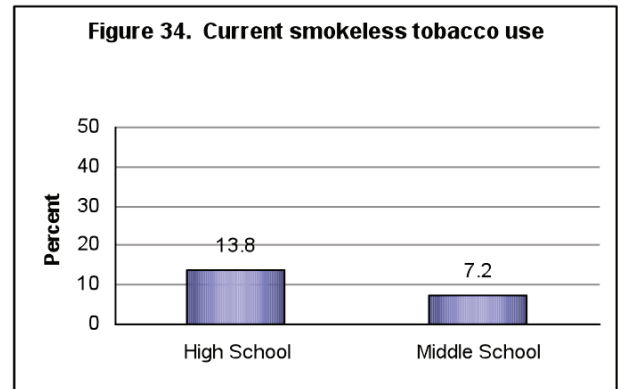
- The percentage of high school students who reported being frequent cigar smokers was 1.6% in 2006 and 2.7% in 2008 (Figure 33).
- The percentage of middle school students who reported being frequent cigar smokers was 0.9% in 2006 and 1.7% in 2008.



Current smokeless tobacco use

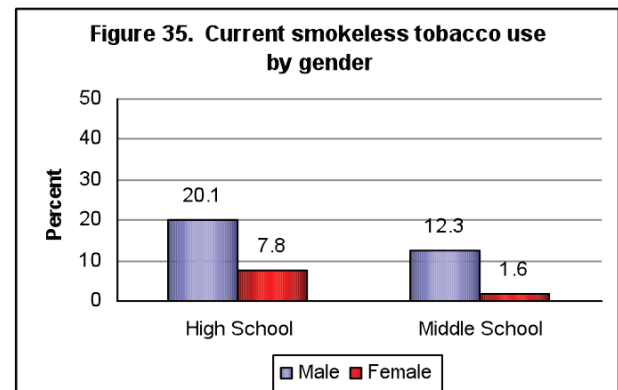
Overall

- The overall 2008 YTS results indicate that 13.8% of high school students and 7.2% of middle school students reported being current smokeless tobacco users (Figure 34).



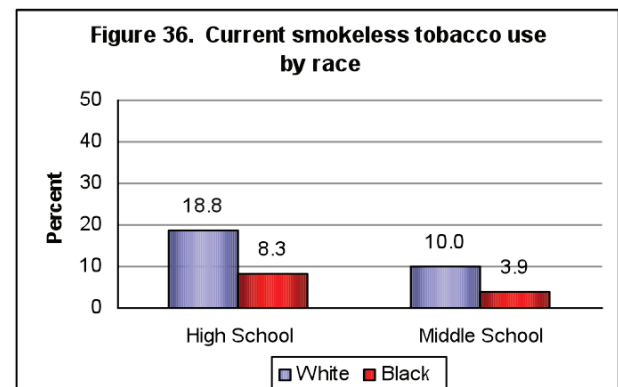
By Gender

- The percentage of high school students who reported being current smokeless tobacco users was significantly higher among males (20.1%) compared to females (7.8%) (Figure 35).
- The percentage of middle school students who reported being current smokeless tobacco users was significantly higher among males (12.3%) compared to females (1.6%).



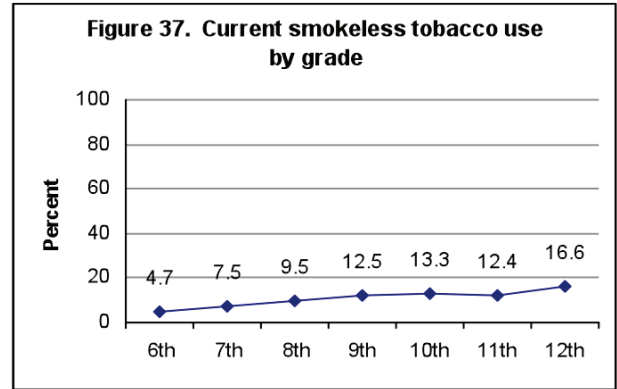
By Race

- The percentage of high school students who reported being current smokeless tobacco users was significantly higher among whites (18.8%) compared to blacks (8.3%) (Figure 36).
- The percentage of middle school students who reported being current smokeless tobacco users was significantly higher among whites (10.0%) compared to blacks (3.9%).



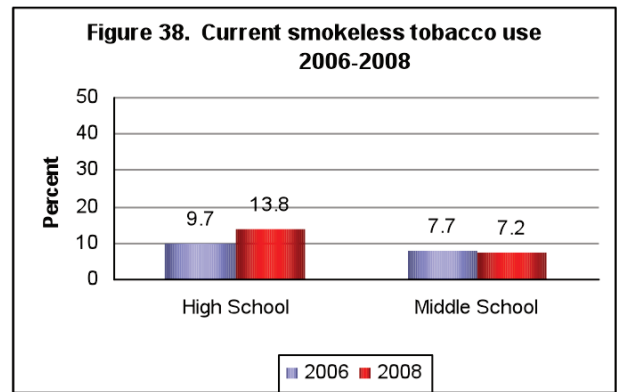
By Grade

- Overall, the percentage of current smokeless tobacco use among students increased as grade level increased, from 4.7% in 6th grade to 16.6% in 12th grade (Figure 37).



2006 – 2008 Comparison

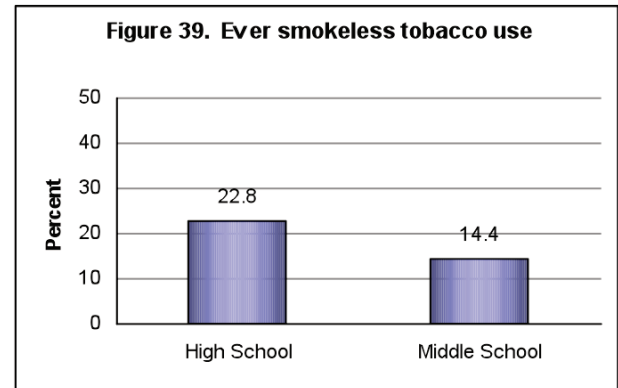
- The percentage of high school students who reported being current smokeless tobacco users was 9.7% in 2006 and 13.8% in 2008 (Figure 38).
- The percentage of middle school students who reported being current smokeless tobacco users was 7.7% in 2006 and 7.2% in 2008.



Ever smokeless tobacco use

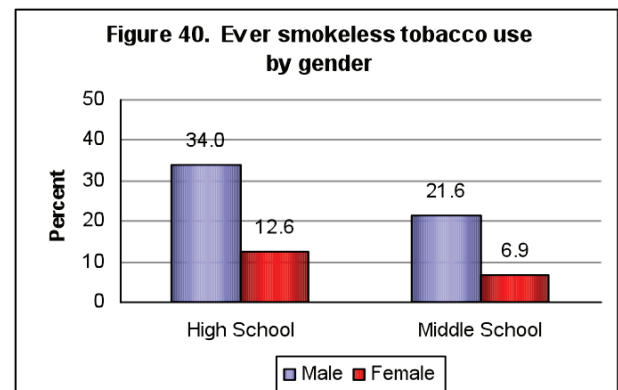
Overall

- The overall 2008 YTS results indicate that 22.8% of high school students and 14.4% of middle school students reported ever being smokeless tobacco users (Figure 39).



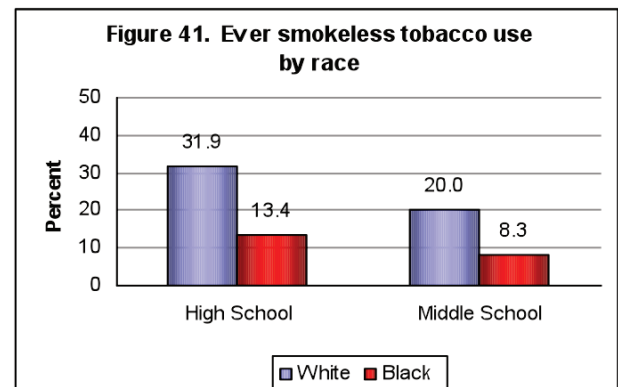
By Gender

- The percentage of high school students who reported ever being smokeless tobacco users was significantly higher among males (34.0%) compared to females (12.6%) (Figure 40).
- The percentage of middle school students who reported ever being smokeless tobacco users was significantly higher among males (21.6%) compared to females (6.9%).



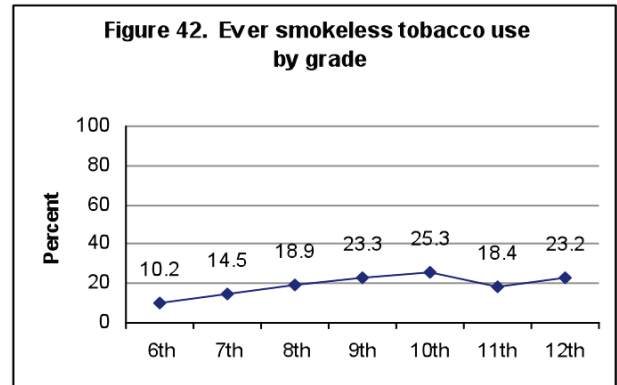
By Race

- The percentage of high school students who reported ever being smokeless tobacco users was significantly higher among whites (31.9%) compared to blacks (13.4%) (Figure 41).
- The percentage of middle school students who reported ever being smokeless tobacco users was significantly higher among whites (20.0%) compared to blacks (8.3%).



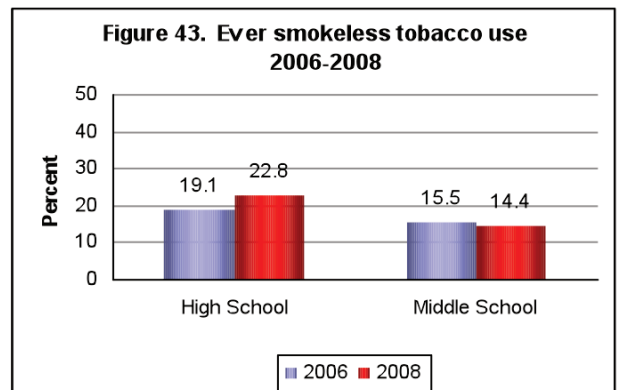
By Grade

- Ever smokeless tobacco use varied by grade level and ranged between 10.2% in 6th grade and 23.2% in 12th grade (Figure 42).



2006 – 2008 Comparison

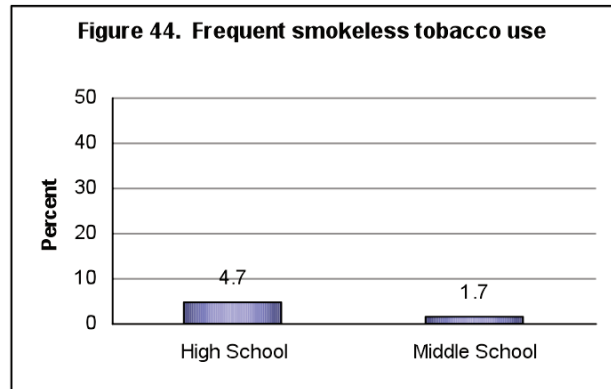
- The percentage of high school students who reported ever being smokeless tobacco users was 19.1% in 2006 and 22.8% in 2008 (Figure 43).
- The percentage of middle school students who reported ever being smokeless tobacco users was 15.5% in 2006 and 14.4% in 2008.



Frequent smokeless tobacco use

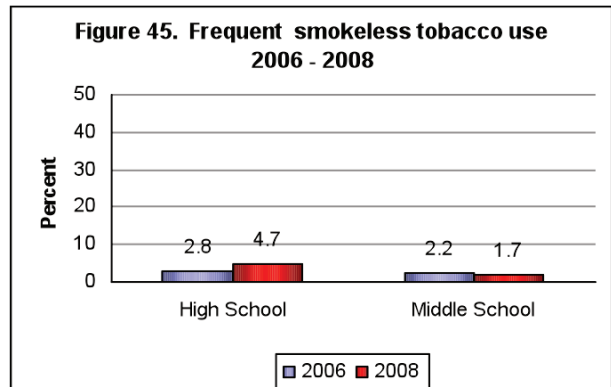
Overall

- The overall 2008 YTS results indicate that 4.7% of high school students and 1.7% of middle school students reported being frequent smokeless tobacco users (Figure 44).



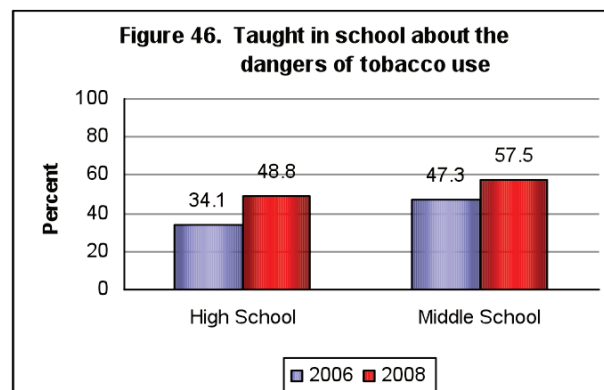
2006 – 2008 Comparison

- The percentage of high school students who reported being frequent smokeless tobacco users was 2.8% in 2006 and 4.7% in 2008 (Figure 45).
- The percentage of middle school students who reported being frequent smokeless tobacco users was 2.2% in 2006 and 1.7% in 2008.

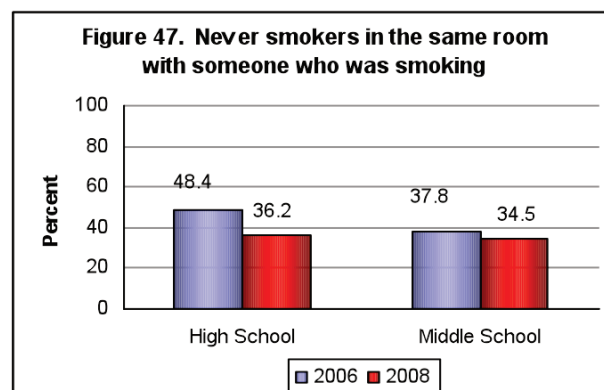


Other important results

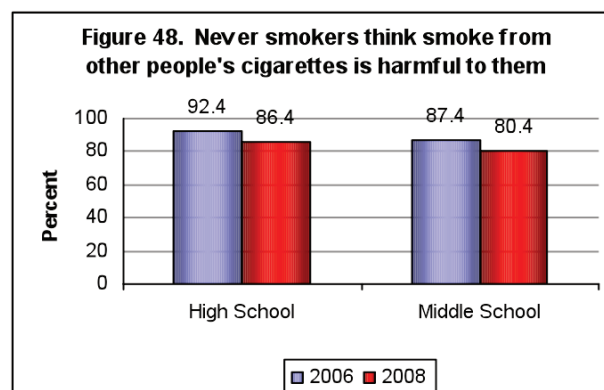
- The percentage of high school students who reported being taught in school about the dangers of tobacco use has significantly increased from 34.1% in 2006 to 48.8% in 2008 (Figure 46).
- The percentage of middle school students who reported being taught in school about the dangers of tobacco use was 47.3% in 2006 and 57.5% in 2008.



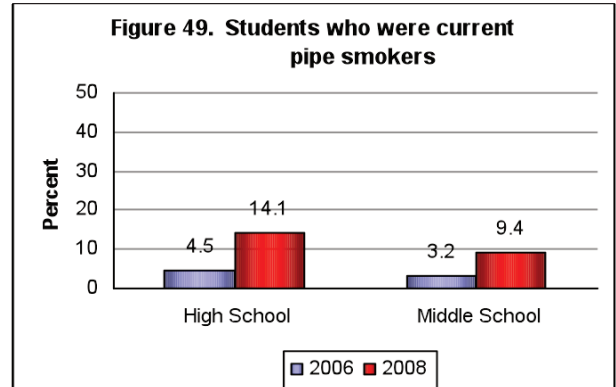
- The percentage of never smokers in high schools who reported being in the same room one or more times during the past 7 days with someone who was smoking has significantly decreased from 48.4% in 2006 to 36.2% in 2008 (Figure 47).
- The percentage of never smokers in middle schools who reported being in the same room one or more times during the past 7 days with someone who was smoking was 37.8% in 2006 and 34.5% in 2008.



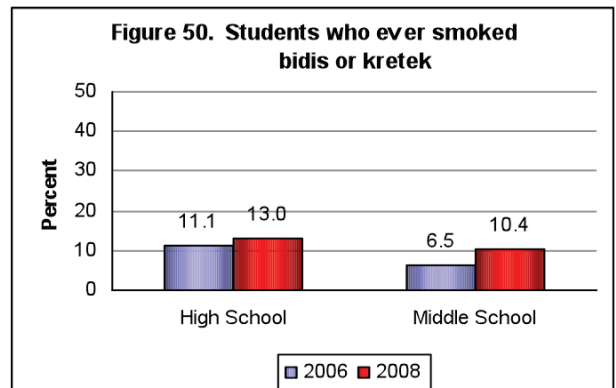
- The percentage of never smokers in high schools who reported that they think smoke from other people's cigarettes is harmful to them was 92.4% in 2006 and 86.4% in 2008 (Figure 48).
- The percentage of never smokers in middle schools who reported that they think smoke from other people's cigarettes is harmful to them significantly decreased from 87.4% in 2006 to 80.4% in 2008.



- The percentage of high school students who reported being current pipe* smokers significantly increased from 4.5% in 2006 to 14.1% in 2008 (Figure 49).
- The percentage of middle school students who reported being current pipe smokers significantly increased from 3.2% in 2006 to 9.4% in 2008.



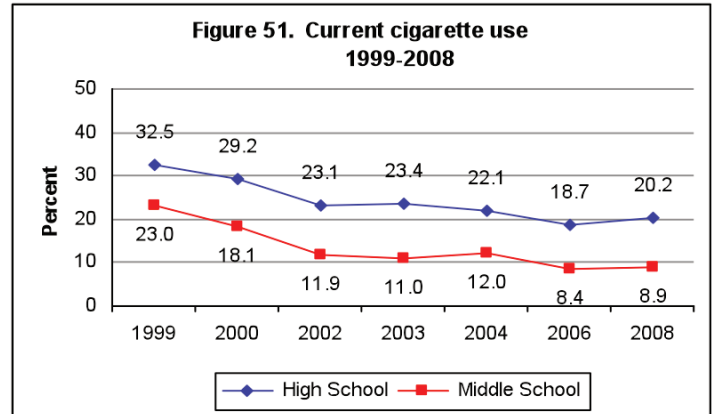
- The percentage of high school students who reported ever being bidis or kreteks smokers was 11.1% in 2006 and 13.0% in 2008 (Figure 50).
- The percentage of middle school students who reported ever being bidis or kreteks smokers has significantly increased from 6.5% in 2006 to 10.4% in 2008.



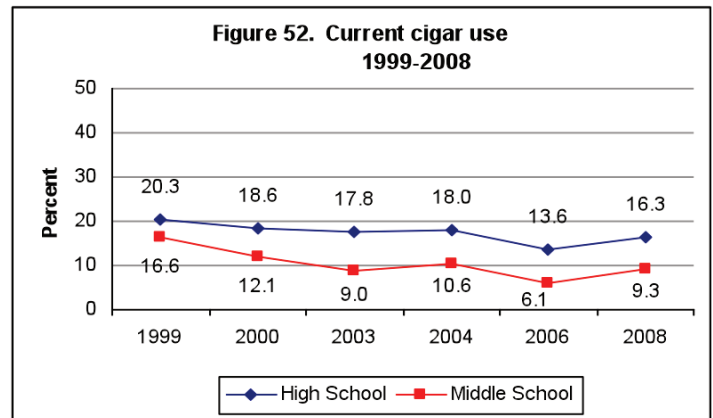
* Caution should be used when comparing percentages since the questions related to current pipe use were different in 2006 and 2008 (See page 4 for definition).

Public school trends of tobacco use

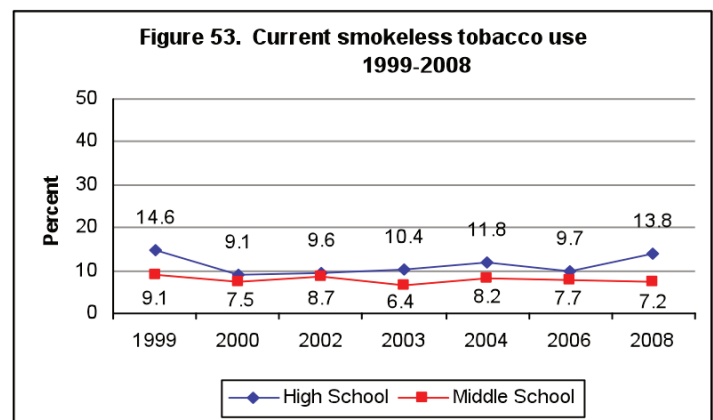
- The percentage of current cigarette use among high school students significantly decreased from 32.5% in 1999 to 20.2% in 2008 (Figure 51).
- The percentage of current cigarette use among middle school students significantly decreased from 23.0% in 1999 to 8.9% in 2008.



- The percentage of current cigar use among high school students did not change in 2008 compared to 1999. (Figure 52).
- The percentage of current cigar use among middle school students significantly decreased from 16.6% in 1999 to 9.3% in 2008.



- The percentage of current smokeless tobacco use among middle school and high school students did not change in 2008 compared to 1999 (Figure 53).



Access

Table 1: Access to tobacco among high school students

| | 1999 | 2000 | 2002 | 2003 | 2004 | 2006 | 2008 |
|--|--------------------------------|---------------------|----------------------|----------------------|---------------------|---------------------|----------------------------------|
| | % (95% Confidence Interval) | | | | | | |
| During the past 30 days, how did you usually get your own cigarettes? (Choose only one answer) | | | | | | | |
| I bought them in a store such as a convenience store. | 22.3 (16.1-28.5) | 22.9 (17.8-28.0) | 19.4 (15.1-23.7) | 18.6 (16.6-20.6) | 16.5 (12.3-20.7) | 27.4 (17.6-37.2) | 23.1 [†] (18.5-27.7) |
| I bought them from a vending machine. | 1.2 (0.0-2.4) | 2.4 (0.7-4.1) | 3.0 (0.4-5.6) | 1.9 (1.1-2.7) | 3.1 (1.4-4.8) | 3.2 (0.7-5.7) | 4.1 [†] (0.1-8.2) |
| I gave someone else money to buy them for me. | 37.1 (31.4-42.8) | 30.9 (26.3-35.5) | 30.3 (25.9-34.7) | 28.2 (25.7-30.7) | 31.3 (25.8-36.8) | 23.9 (15.9-31.9) | 24.2 (20.4-28.0) |
| I borrowed (or bummed) them from someone else. | 19.2 (16.1-22.3) | 21.2 (16.0-26.4) | 32.5* (28.2-36.8) | 25.0* (22.8-27.2) | 23.1 (19.0-27.2) | 18.1 (10.5-25.7) | 18.1 (11.6-24.7) |
| A person 18 years old or older gave them to me. | 7.2 (4.9-9.5) | 11.4 (7.5-15.3) | 5.1* (3.0-7.2) | 10.0* (8.0-12.0) | 12.0 (9.5-12.5) | 8.8 (4.5-13.1) | NA |
| I took them from a store or family member. | NA | 3.7 (1.6-5.8) | 9.6* (6.0-13.2) | 5.9 (4.8-7.0) | 4.1 (2.2-6.0) | 9.1 (4.1-14.1) | 3.2 (1.1-5.4) |
| I got them some other way. | 13.0 (8.6-17.4) | 7.6 (5.5-9.7) | NA | 10.4 (8.8-12.0) | 10.0 (7.6-12.4) | 9.5 (4.5-14.5) | 7.7 (4.1-11.3) |
| Current smokers who tried to buy cigarettes in the past 30 days who were refused cigarette sales because of their age. | 46.5 (39.4-53.6) | 37.6 (32.3-44.9) | 32.6 (25.0-40.2) | 30.0 (27.0-33.0) | 28.8 (22.0-35.6) | 29.1 (18.5-39.7) | 43.5 (34.1-52.9) |
| *Significant change from the previous year of data [†] Students were asked "During the past 30 days, where did you buy cigarettes? (You can choose one answer or more than one answer) " | | | | | | | |

Table 2: Access to tobacco among middle school students

| During the past 30 days, how did you usually get your own cigarettes? (Choose only one answer) | 1999 | 2000 | 2002 | 2003 | 2004 | 2006 | 2008 |
|--|--------------------------------|---------------------|---------------------|---------------------|----------------------|---------------------|---------------------|
| | % (95% Confidence Interval) | | | | | | |
| I bought them in a store such as a convenience store. | 11.0 (6.9-15.1) | 6.1 (3.7-8.5) | 8.8 (4.2-13.4) | 6.2 (4.6-7.8) | 9.1 (5.3-12.9) | 7.1 (2.5-11.7) | 14.6† (6.2-23.0) |
| I bought them from a vending machine. | 1.5 (0.4-2.6) | 1.8 (0.1-3.5) | 3.5 (1.4-5.6) | 2.1 (1.1-3.1) | 3.5 (1.5-5.5) | 1.6 (0.0-3.8) | 6.8† (2.3-11.2) |
| I gave someone else money to buy them for me. | 25.7 (21.3-30.1) | 23.8 (17.9-29.7) | 20.4 (15.7-25.1) | 19.5 (16.1-22.9) | 25.9 (19.8-32.0) | 26.5 (16.7-36.3) | 31.3 (22.3-40.3) |
| I borrowed (or bummed) them from someone else. | 22.2 (17.8-26.6) | 26.5 (20.8-32.2) | 32.7 (26.0-39.4) | 24.4 (21.5-27.3) | 16.4* (11.8-21.0) | 19.8 (12.8-26.8) | 13.4 (6.0-20.7) |
| A person 18 years old or older gave them to me. | 12.2 (8.6-15.8) | 10.9 (7.0-14.8) | 19.2 (14.6-23.8) | 12.6 (10.4-14.8) | 11.6 (8.6-14.6) | 12.6 (5.7-19.5) | NA |
| I took them from a store or family member. | NA | 13.5 (9.0-18.0) | 15.5 (10.7-20.3) | 15.3 (12.7-17.9) | 13.7 (8.2-19.2) | 19.6 (11.4-27.8) | 11.4 (5.1-17.7) |
| I got them some other way. | 27.4 (21.8-33.0) | 17.4 (12.4-22.4) | NA | 19.8 (17.1-22.5) | 19.8 (15.2-24.4) | 12.8 (5.6-20.0) | 17.6 (10.9-24.4) |
| Current smokers who tried to buy cigarettes in the past 30 days who were refused cigarette sales because of their age. | NA | NA | 34.5 (24.4-44.6) | 32.5 (27.3-37.7) | 34.7 (27.1-42.3) | 37.9 (22.8-53.0) | 35.9 (23.7-48.0) |

*Significant change from the previous year of data

†Students were asked "During the past 30 days, where did you buy cigarettes? (You can choose one answer or more than one answer) "

Environmental Tobacco Smoke

Table 3: High school environmental tobacco smoke

| | 1999 | 2000 | 2002 | 2003 | 2004 | 2006 | 2008 |
|--|--------------------------------|---------------------|---------------------|----------------------|----------------------|---------------------|---------------------|
| | % (95% Confidence Interval) | | | | | | |
| Students who were in the same room with someone who was smoking cigarettes on one or more of the past 7 days. | 74.5 (71.4-77.6) | 72.7 (69.5-75.9) | NA | 59.0* (57.5-60.5) | 56.7 (53.1-60.3) | 59.6 (53.1-66.1) | 52.8 (48.4-57.1) |
| Students who rode in a car with someone who was smoking cigarettes on one or more of the past 7 days. | 60.6 (57.6-63.6) | 59.9 (56.3-63.5) | NA | 51.8* (50.2-53.4) | 48.9 (45.5-52.3) | 44.4 (38.6-50.2) | 43.1 (39.3-46.9) |
| Students who live in a home where someone currently smokes. | 48.1 (45.8-50.4) | 48.9 (47.2-63.5) | 48.9 (46.2-51.6) | 45.8 (44.4-47.2) | 45.0 (42.3-47.7) | 45.3 (42.5-48.1) | 40.3 (36.6-43.9) |
| Students reporting that smoking is not allowed in any part of their home. | NA | NA | 70.5 (68.4-72.6) | 66.6* (65.4-67.8) | 69.7 (67.4-72.0) | 66.6 (63.3-69.9) | 69.8 (66.8-72.9) |
| Students reporting that in their homes, smoking is never allowed in the presence of children. | NA | NA | 67.3 (64.6-70.0) | 62.5* (61.1-63.9) | 67.9* (65.2-70.6) | NA | NA |
| Students reporting that people under 18 are never allowed to smoke cigarettes in their home. | NA | NA | 83.9 (82.4-85.4) | 81.1* (79.9-82.3) | 83.1 (81.5-84.7) | NA | NA |
| Of students who work in indoor areas with an official smoking policy, those who report that smoking is not allowed in any areas. | NA | NA | NA | 57.0 (54.7-59.3) | NA | NA | NA |
| Of students working in a place with an official smoking policy, those that report that this policy is strictly enforced. | NA | NA | 36.0 (31.6-40.4) | 39.4 (36.1-42.7) | NA | NA | NA |
| *Significant change from the previous year of data | | | | | | | |

Table 4: Middle school environmental tobacco smoke

| | 1999 | 2000 | 2002 | 2003 | 2004 | 2006 | 2008 |
|---|--------------------------------|---------------------|---------------------|----------------------|---------------------|---------------------|---------------------|
| | % (95% Confidence Interval) | | | | | | |
| Students who were in the same room with someone who was smoking cigarettes on one or more of the past 7 days. | 61.4 (59.0-63.8) | 62.7 (60.1-65.3) | NA | 46.6* (44.6-48.6) | 49.3 (44.6-54.0) | 47.6 (43.3-51.9) | 43.7 (39.7-47.6) |
| Students who rode in a car with someone who was smoking cigarettes on one or more of the past 7 days. | 53.2 (51.1-55.3) | 55.4 (53.0-57.8) | NA | 43.3* (41.6-45.0) | 44.3 (41.2-47.4) | 41.8 (37.4-46.2) | 37.2 (33.2-41.2) |
| Students who live in a home where someone currently smokes. | 45.7 (43.1-48.3) | 51.3 (48.1-54.5) | 51.7 (49.4-54.0) | 45.6* (44.0-47.2) | 49.1 (45.7-52.5) | 45.7 (42.9-48.5) | 45.5 (41.9-49.1) |
| Students reporting that smoking is not allowed in any part of their home. | NA | NA | 68.0 (65.9-70.1) | 69.5 (67.6-71.4) | 70.5 (67.8-73.2) | 69.1 (66.3-71.9) | 69.4 (65.6-73.1) |
| Students reporting that in their homes, smoking is never allowed in the presence of children. | NA | NA | 69.5 (67.4-71.6) | 70.9 (69.4-72.4) | 71.7 (69.9-73.5) | NA | NA |
| Students reporting that people under 18 are never allowed to smoke cigarettes in their home. | NA | NA | 85.0 (82.8-87.2) | 85.2 (83.6-86.8) | 86.0 (84.0-88.0) | NA | NA |
| *Significant change from the previous year of data | | | | | | | |

Awareness

Table 5: High school awareness

| | 1999 | 2000 | 2002 | 2003 | 2004 | 2006 | 2008 |
|---|--------------------------------|---------------------|----------------------|----------------------|----------------------|---------------------|---------------------|
| | % (95% Confidence Interval) | | | | | | |
| <u>CURRENT</u> smokers who believe people get addicted to using tobacco just like they can get addicted to using cocaine or heroin. | 93.9 (92.0-95.8) | 89.3 (85.8-92.8) | 81.0* (76.6-85.4) | 82.5 (80.1-84.9) | 83.5 (80.0-87.0) | 80.3 (74.2-86.4) | NA |
| <u>NEVER</u> smokers who believe people get addicted to using tobacco just like they can get addicted to using cocaine and heroin. | 98.3 (96.4-100) | 96.5 (95.2-97.8) | 94.3 (91.7-96.9) | 93.8 (90.1-97.5) | 92.1 (89.5-94.7) | 88.3 (85.4-91.2) | NA |
| <u>CURRENT</u> smokers who believe young people who smoke cigarettes have more friends. | 30.1 (26.6-33.6) | 24.8 (21.1-28.5) | 42.1* (35.8-48.4) | 28.6* (23.0-34.2) | 41.7* (37.0-46.4) | 43.4 (33.9-52.9) | 37.7 (31.8-43.6) |
| <u>NEVER</u> smokers who believe young people who smoke cigarettes have more friends. | 19.4 (15.6-23.2) | 19.1 (15.2-23.0) | 22.4 (18.3-26.5) | 11.4* (7.5-15.3) | 24.0* (20.3-27.7) | 17.4 (10.5-24.3) | 19.6 (15.2-24.0) |
| <u>CURRENT</u> smokers who believe smoking cigarettes makes young people look cool or fit in. | 26.1 (20.5-31.7) | 22.3 (18.7-25.9) | 24.4 (20.3-28.5) | 21.1 (17.1-25.1) | 24.9 (20.9-28.9) | 23.1 (14.8-31.4) | 23.3 (18.4-28.2) |
| <u>NEVER</u> smokers who believe smoking cigarettes makes young people look cool or fit in. | 9.4 (7.0-11.8) | 12.3 (8.8-15.8) | 9.9 (7.8-12.0) | 8.3 (6.1-10.5) | 11.4 (8.6-14.2) | 8.2 (3.9-12.5) | 6.3 (4.2-8.4) |
| Of <u>All</u> students surveyed, those who believe it is safe to smoke for only a year or two, as long as they quit after that. | NA | 20.6 (17.6-23.6) | 18.8 (16.3-21.3) | 14.9 (12.1-17.7) | 18.3 (16.7-19.9) | 15.0 (12.2-17.8) | NA |
| <u>CURRENT</u> smokers who believe it is safe to smoke for only a year or two, as long as they quit after that. | NA | 35.0 (29.6-40.4) | 30.1 (24.7-35.5) | 30.7 (24.6-36.8) | 29.8 (25.5-34.1) | 38.8 (23.3-54.3) | NA |
| <u>CURRENT</u> smokers who believe smoke from other people's cigarettes is harmful. | NA | 91.1 (88.9-93.3) | 81.8* (77.2-86.4) | 86.2 (82.3-90.1) | 83.7 (79.1-88.3) | 83.6 (77.6-89.6) | 81.9 (76.4-87.4) |
| *Significant change from the previous year of data | | | | | | | |

Table 6: Middle school awareness

| | 1999 | 2000 | 2002 | 2003 | 2004 | 2006 | 2008 |
|---|--------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|
| | % (95% Confidence Interval) | | | | | | |
| <u>CURRENT</u> smokers who believe people get addicted to using tobacco just like they can get addicted to using cocaine or heroin. | 94.5 (92.6-96.4) | 89.6 (85.2-94.0) | 85.8 (82.6-89.0) | 81.8 (78.6-85.0) | 82.5 (76.6-88.4) | 82.2 (74.9-89.5) | NA |
| <u>NEVER</u> smokers who believe people get addicted to using tobacco just like they can get addicted to using cocaine and heroin. | 94.5 (92.6-96.4) | 93.8 (90.8-96.8) | 93.0 (91.2-94.8) | 88.5* (87.0-90.0) | 90.6 (88.2-93.0) | 83.8* (79.6-88.0) | NA |
| <u>CURRENT</u> smokers who believe young people who smoke cigarettes have more friends. | 59.2 (55.7-62.7) | 45.9* (39.2-52.6) | 54.7 (48.9-60.5) | 50.9 (47.8-54.0) | 56.6 (49.7-63.5) | 61.0 (50.2-71.8) | 56.9 (49.8-63.9) |
| <u>NEVER</u> smokers who believe young people who smoke cigarettes have more friends. | 25.6 (21.8-29.4) | 21.0 (16.9-25.1) | 22.4 (20.3-24.5) | 19.2 (17.3-21.1) | 22.8 (20.0-25.6) | 22.8 (17.1-28.5) | 19.2 (16.1-22.3) |
| <u>CURRENT</u> smokers who believe smoking cigarettes makes young people look cool or fit in. | 38.5 (32.9-44.1) | 31.7 (25.3-38.1) | 38.5 (34.9-42.1) | 34.1 (30.3-37.9) | 39.1 (32.1-46.1) | 42.7 (33.5-51.9) | 35.9 (27.6-44.3) |
| <u>NEVER</u> smokers who believe smoking cigarettes makes young people look cool or fit in. | 11.6 (9.2-14.0) | 9.7 (7.3-12.1) | 11.4 (9.4-13.4) | 8.5 (7.4-9.6) | 11.0 (9.2-12.8) | 9.5 (6.3-12.7) | 8.0 (6.3-9.8) |
| Of All students surveyed, those who believe it is safe to smoke for only a year or two, as long as they quit after that. | NA | 17.4 (15.8-19.0) | 18.6 (15.6-21.6) | 11.6* (10.6-12.6) | 17.3* (14.9-19.7) | 14.2 (12.4-16.0) | NA |
| <u>CURRENT</u> smokers who believe it is safe to smoke for only a year or two, as long as they quit after that. | NA | 33.9 (31.1-36.7) | 38.2 (31.8-44.6) | 27.6* (24.4-30.8) | 38.8* (32.3-45.3) | 30.7 (19.9-41.5) | NA |
| <u>CURRENT</u> smokers who believe smoke from other people's cigarettes is harmful. | NA | 89.5 (87.0-92.0) | 79.8* (75.3-84.3) | 87.2* (85.9-88.5) | 75.6* (69.7-81.5) | 76.6 (65.2-88.0) | 68.9 (58.9-79.0) |

*Significant change from the previous year of data

Influence

Table 7: High school influence

| | 1999 | 2000 | 2002 | 2003 | 2004 | 2006 | 2008 |
|--|--------------------------------|----------------------|---------------------|---------------------|----------------------|---------------------|---------------------|
| | % (95% Confidence Interval) | | | | | | |
| Current smokers whose parents know they smoke. | 55.8 (51.9-59.7) | 52.7 (48.1-57.3) | 51.1 (45.7-56.5) | 47.4 (44.8-50.0) | 53.5 (48.1-58.9) | NA | NA |
| Current smokers whose parents ever told them not to smoke cigarettes. | 84.5 (80.6-88.4) | 82.5 (80.5-84.5) | NA | NA | NA | NA | NA |
| Students whose parents or guardians discussed the dangers of tobacco use with them. | NA | 68.8 (66.6-71.0) | 67.2 (64.7-69.7) | 70.2 (69.1-71.3) | 57.5* (54.9-60.1) | 63.8 (56.9-70.7) | 60.6 (56.7-64.5) |
| Of students who have visited a doctor in the past 12 months, those whose doctor or someone in a doctor's office talked to them about the dangers of tobacco use. | NA | 19.1 (16.1-22.1) | NA | 20.1 (18.8-21.4) | NA | NA | NA |
| Of students who have visited a dentist in the past 12 months, those whose dentist or someone in a dentist's office talked to them about the dangers of tobacco use | NA | 19.0 (16.1-21.9) | NA | 16.7 (15.6-17.8) | NA | NA | NA |
| Of all surveyed, those who have one or more of their four closest friends who smoke cigarettes | 50.7 (46.8-54.6) | 59.6* (56.2-63.0) | 55.2 (52.9-57.5) | 56.9 (55.5-58.3) | 43.0* (40.4-45.6) | 40.9 (34.8-47.0) | 47.7 (44.0-51.3) |
| Never smokers who would smoke if one of their best friends offered them a cigarette. | 2.4 (0.2-4.6) | 1.6 (0.4-2.8) | 2.9 (1.9-3.9) | 2.8 (2.2-3.4) | 2.7 (1.3-4.1) | 5.3 (1.1-9.5) | 4.5 (3.0-6.1) |
| *Significant change from the previous year of data | | | | | | | |

Table 8: Middle school influence

| | 1999 | 2000 | 2002 | 2003 | 2004 | 2006 | 2008 |
|--|--------------------------------|---------------------|----------------------|---------------------|----------------------|----------------------|----------------------|
| | % (95% Confidence Interval) | | | | | | |
| Current smokers whose parents know they smoke. | NA | 31.7 (27.0-36.4) | 31.3 (24.7-37.9) | 28.3 (25.1-31.5) | 32.8 (27.0-38.6) | NA | NA |
| Current smokers whose parents ever told them not to smoke cigarettes. | NA | 84.6 (80.4-88.8) | NA | NA | NA | NA | NA |
| Students whose parents or guardians discussed the dangers of tobacco use with them. | NA | 71.9 (69.9-73.9) | 73.1 (71.4-74.8) | 73.1 (72.0-74.2) | 63.1* (60.4-65.8) | 65.9 (62.4-69.4) | 62.5 (59.6-65.3) |
| Of students who have visited a doctor in the past 12 months, those whose doctor or someone in a doctor's office talked to them about the dangers of tobacco use. | NA | 29.5 (26.0-33.0) | NA | 24.6 (22.7-26.5) | NA | NA | NA |
| Of students who have visited a dentist in the past 12 months, those whose dentist or someone in a dentist's office talked to them about the dangers of tobacco use | NA | NA | NA | 21.9 (20.1-23.7) | NA | NA | NA |
| Of all surveyed, those who have one or more of their four closest friends who smoke cigarettes | NA | 52.8 (48.9-56.7) | 29.7* (27.2-32.2) | 25.7 (23.8-27.6) | 29.4 (26.4-32.4) | 21.0* (18.4-23.6) | 27.8* (24.3-31.4) |
| Never smokers who would smoke if one of their best friends offered them a cigarette. | NA | 3.9 (2.5-5.3) | 3.0 (1.8-4.2) | 2.2 (1.8-2.6) | 3.1 (2.0-4.2) | 3.3 (1.8-4.8) | 4.4 (2.8-6.1) |
| *Significant change from the previous year of data | | | | | | | |

Curriculum

Table 9: High school curriculum

| | 1999 | 2000 | 2002 | 2003 | 2004 | 2006 | 2008 |
|---|--------------------------------|---------------------|------------------|---------------------|----------------------|----------------------|----------------------|
| | % (95% Confidence Interval) | | | | | | |
| Students who report smoking cigarettes on school property during the past 30 days. | 11.9 (9.7-14.1) | 9.9 (7.8-12.0) | 8.4 (6.9-9.9) | 7.3 (6.3-8.3) | 8.4 (6.9-9.9) | 5.8 (3.1-8.5) | NA |
| During the school year, students who were taught in any classes about tobacco use. | 41.8 (35.5-48.1) | 46.2 (39.8-52.6) | NA | 38.8 (36.7-40.9) | 45.8* (42.4-49.2) | 34.1* (30.9-37.3) | 48.8* (43.7-53.8) |
| During this school year, students who practiced ways to say NO to tobacco in classes. | 19.1 (15.2-21.7) | 23.6 (19.1-28.1) | NA | 18.9 (17.5-20.3) | NA | 23.8 (12.8-34.8) | NA |
| *Significant change from the previous year of data | | | | | | | |

Table 10: Middle school curriculum

| | 1999 | 2000 | 2002 | 2003 | 2004 | 2006 | 2008 |
|---|--------------------------------|---------------------|------------------|----------------------|---------------------|---------------------|---------------------|
| | % (95% Confidence Interval) | | | | | | |
| Students who report smoking cigarettes on school property during the past 30 days. | NA | 4.7 (3.5-5.9) | 3.9 (2.1-5.7) | 3.2 (2.5-3.9) | 3.5 (2.7-4.3) | 2.4 (1.4-3.4) | NA |
| During the school year, students who were taught in any classes about tobacco use. | 52.6 (46.2-59.0) | 61.9 (55.1-68.7) | NA | 50.3* (46.5-54.1) | 59.0 (53.6-64.4) | 47.3 (40.8-53.8) | 57.5 (53.7-61.4) |
| During this school year, students who practiced ways to say NO to tobacco in classes. | 35.3 (28.7-39.8) | 40.6 (37.0-44.2) | NA | 33.1* (29.8-36.4) | NA | 31.6 (28.2-35.0) | NA |
| *Significant change from the previous year of data | | | | | | | |

Cessation

Table 11: High school tobacco cessation

| | 1999 | 2000 | 2002 | 2003 | 2004 | 2006 | 2008 |
|---|--------------------------------|---------------------|---------------------|----------------------|---------------------|----------------------|---------------------|
| | % (95% Confidence Interval) | | | | | | |
| CURRENT smokers who report wanting to stop smoking cigarettes. | NA | 52.4 (43.4-61.4) | 60.4 (56.8-64.0) | 51.7* (49.1-54.3) | 49.5 (43.9-55.1) | 55.2 (45.2-65.2) | 57.1 (50.8-63.4) |
| CURRENT smokers who, during the past 12 months, tried to quit smoking cigarettes. | 55.8 (51.7-59.9) | 51.3 (43.5-59.1) | NA | 47.2 (42.7-51.7) | NA | 63.0* (53.1-72.9) | 55.3 (47.6-63.0) |
| *Significant change from the previous year of data | | | | | | | |

Table 12: Middle school tobacco cessation

| | 1999 | 2000 | 2002 | 2003 | 2004 | 2006 | 2008 |
|---|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | % (95% Confidence Interval) | | | | | | |
| CURRENT smokers who report wanting to stop smoking cigarettes. | NA | 60.5 (50.9-70.1) | 49.1 (41.8-56.4) | 50.1 (45.2-55.0) | 54.3 (44.9-63.7) | 55.2 (45.2-65.2) | 48.9 (39.3-58.4) |
| CURRENT smokers who, during the past 12 months, tried to quit smoking cigarettes. | NA | 64.6 (58.8-70.4) | NA | 66.9 (64.4-69.4) | NA | 63.0 (53.1-72.9) | 62.6 (54.9-70.2) |
| *Significant change from the previous year of data | | | | | | | |

Susceptibility

Table 13: High school and middle school susceptibility

| Percent of students who reported Never Smoked that are susceptible to start smoking based on response to question. | High School | Middle School |
|--|--------------------------------------|------------------|
| | Percentage (95% Confidence Interval) | |
| Overall Total | 20.5 (17.9-23.1) | 21.5 (19.1-23.9) |
| Sex | | |
| Female | 17.3 (12.9-21.8) | 17.4 (14.6-20.1) |
| Male | 24.9 (19.5-30.3) | 26.3 (22.1-30.5) |
| Race | | |
| White | 19.2 (15.7-22.8) | 21.1 (17.8-24.5) |
| Black | 21.9 (17.4-26.3) | 21.2 (17.7-24.7) |
| Grade | | |
| 6th | | 19.8 (16.2-23.4) |
| 7th | | 22.2 (16.7-27.7) |
| 8th | | 23.6 (17.8-29.4) |
| 9th | 25.4 (18.1-32.8) | |
| 10th | 22.9 (19.1-26.8) | |
| 11th | 13.0 (7.8-18.2) | |
| 12th | 16.5 (8.5-24.4) | |

Table 14: Susceptibility to smoking index

| Classification of Smoking Status | Criteria |
|----------------------------------|--|
| Never smoker/Non-susceptible | Has never smoked even a puff of a cigarette and meets all three of the following criteria: 1) Responded “no” to the question “Do you think you will try a cigarette soon?” 2) Responded “definitely not” to the question “Do you think you will smoke a cigarette at anytime during the next year?” 3) Responded “definitely not” to the question “If one of your best friends offered you a cigarette, would you smoke it?” |
| Never smoker/Susceptible | Has never smoked even a puff of a cigarette and meets ONE of the following three criteria: 1) Responded “yes” to the question “Do you think you will try a cigarette soon?” 2) Responded “definitely yes” or “probably yes” or “probably not” to the question “Do you think you will smoke a cigarette at anytime during the next year?” 3) Responded “definitely yes” or “probably yes” or “probably not” to the question “If one of your best friends offered you a cigarette, would you smoke it?” |
| Experimenter | Has smoked at least a puff but less than 100 cigarettes in entire life |
| Established Smoker | Has smoked 100 cigarettes or more in entire life |

Appendices

| Ever cigarette use trend 2000-2008 | | | | | | | | | | | | | |
|------------------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Public High School | | | | | | | Public Middle School | | | | | | |
| | 2000 % (95%C.I.) | 2001* % (95%C.I.) | 2002 % (95%C.I.) | 2003 % (95%C.I.) | 2004 % (95%C.I.) | 2006 % (95%C.I.) | 2008 % (95%C.I.) | 2000 % (95%C.I.) | 2002 % (95%C.I.) | 2003 % (95%C.I.) | 2004 % (95%C.I.) | 2006 % (95%C.I.) | 2008 % (95%C.I.) |
| Total | 71.5 (69.3-73.7) | 67.8 (65.8-69.8) | 61.5 (59.0-64.0) | 60.7 (59.0-62.4) | 59.4 (56.9-61.9) | 61.2 (57.3-65.1) | 54.0 (49.4-58.6) | 53.4 (50.1-56.7) | 40.9 (37.4-44.4) | 36.3 (33.8-38.8) | 38.9 (35.0-42.8) | 33.3 (28.2-38.4) | 34.8 (29.7-39.8) |
| Sex | | | | | | | | | | | | | |
| Female | 70.0 (66.0-74.0) | 67.4 (64.2-70.6) | 59.3 (56.4-62.2) | 57.4 (54.8-60.0) | 54.8 (51.3-58.3) | 61.0 (54.1-67.9) | 48.2 (44.0-52.4) | 48.6 (45.2-52.0) | 38.5 (33.9-43.1) | 33.6 (30.9-36.3) | 36.4 (32.5-40.3) | 32.3 (26.1-38.5) | 29.9 (24.1-35.8) |
| Male | 73.1 (70.2-76.0) | 68.2 (65.2-71.2) | 64.0 (60.3-67.7) | 64.2 (62.4-66.0) | 63.9 (60.6-67.2) | 61.2 (57.0-65.4) | 59.7 (53.2-66.2) | 58.1 (53.3-62.9) | 43.5 (40.3-46.7) | 39.0 (36.1-41.9) | 41.5 (36.5-46.5) | 34.4 (28.3-40.5) | 39.4 (34.3-44.5) |
| Race | | | | | | | | | | | | | |
| White | 75.5 (70.9-80.4) | 71.3 (68.0-74.6) | 61.4 (57.9-64.9) | 63.1 (61.0-65.2) | 64.3 (60.7-67.9) | 67.2 (58.6-75.8) | 56.8 (50.4-63.3) | 50.1 (45.5-54.7) | 39.4 (35.8-43.0) | 33.3 (30.3-36.3) | 36.2 (30.4-42.0) | 31.1 (24.3-37.9) | 31.3 (24.7-37.9) |
| Black | 65.9 (62.1-69.7) | 64.0 (59.4-68.6) | 61.1 (57.3-64.9) | 57.5 (54.8-60.2) | 54.2 (50.0-58.4) | 54.5 (51.0-58.0) | 50.6 (43.9-57.3) | 56.7 (48.8-64.6) | 41.8 (36.0-47.6) | 39.3 (36.6-42.0) | 41.5 (38.6-44.4) | 35.2 (28.6-41.8) | 37.0 (31.8-42.2) |
| Grade | | | | | | | | | | | | | |
| 6 | | | | | | | | 40.5 (33.2-47.8) | 32.8 (27.9-37.7) | 25.5 (22.4-28.6) | 29.1 (23.6-34.6) | 19.3 (14.6-24.0) | 22.5 (15.4-29.5) |
| 7 | | | | | | | | 57.9 (52.1-63.7) | 46.9 (41.8-52.0) | 37.0 (33.5-40.5) | 41.5 (36.2-46.8) | 36.3 (29.4-43.2) | 36.6 (30.7-42.5) |
| 8 | | | | | | | | 61.4 (56.0-66.8) | 50.7 (46.2-55.2) | 46.8 (44.2-49.4) | 45.9 (40.8-51.0) | 43.2 (35.9-50.5) | 45.5 (38.4-52.6) |
| 9 | 69.3 (65.8-72.8) | 63.1 (57.7-68.5) | 54.5 (49.6-59.4) | 57.9 (54.8-61.0) | 56.3 (51.5-61.1) | 59.8 (52.9-66.7) | 51.0 (41.5-60.5) | | | | | | |
| 10 | 69.3 (64.8-73.8) | 69.8 (63.7-75.9) | 62.4 (58.7-66.1) | 59.6 (57.0-62.2) | 58.7 (53.3-64.1) | 57.2 (51.6-62.8) | 52.1 (45.1-59.0) | | | | | | |
| 11 | 72.7 (64.4-81.0) | 67.0 (62.1-71.9) | 65.0 (59.8-70.2) | 62.3 (59.4-65.2) | 58.4 (51.6-65.2) | 65.8 (55.3-76.3) | 48.9 (40.6-57.3) | | | | | | |
| 12 | 75.9 (69.1-82.7) | 72.9 (68.5-77.3) | 66.5 (62.4-70.6) | 65.5 (61.9-67.1) | 67.1 (62.2-72.0) | 63.9 (56.7-71.1) | 66.7 (59.1-74.3) | | | | | | |

*The 2001 estimates for public high school students are from the YRBS

Current cigarette use trend 2000-2008

| | Public High School | | | | | | | | | | Public Middle School | | | | | |
|--------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--|--|--|
| | 2000 % (95%C.I.) | 2001* % (95%C.I.) | 2002 % (95%C.I.) | 2003 % (95%C.I.) | 2004 % (95%C.I.) | 2006 % (95%C.I.) | 2008 % (95%C.I.) | 2000 % (95%C.I.) | 2002 % (95%C.I.) | 2003 % (95%C.I.) | 2004 % (95%C.I.) | 2006 % (95%C.I.) | 2008 % (95%C.I.) | | | |
| Total | 29.2 (25.6-32.8) | 23.6 (20.1-27.1) | 23.1 (20.5-25.7) | 23.4 (21.9-24.9) | 22.1 (19.5-24.7) | 18.7 (13.6-23.8) | 20.2 (16.1-24.3) | 18.1 (15.8-20.4) | 11.9 (10.3-13.5) | 11.0 (9.8-12.2) | 12.0 (10.0-14.0) | 8.4 (6.8-10.0) | 8.9 (6.8-11.1) | | | |
| Sex | | | | | | | | | | | | | | | | |
| Female | 26.2 (20.3-32.1) | 24.6 (18.7-30.5) | 21.1 (17.5-24.7) | 20.6 (18.6-22.6) | 19.7 (16.8-22.6) | 16.9 (11.4-22.4) | 15.7 (12.1-19.2) | 16.9 (14.3-19.5) | 11.5 (9.5-13.5) | 9.8 (8.5-11.1) | 11.0 (8.5-13.5) | 7.8 (5.4-10.2) | 6.9 (4.0-9.8) | | | |
| Male | 32.3 (27.7-36.9) | 22.4 (18.6-26.2) | 25.1 (22.0-28.2) | 26.0 (24.1-27.9) | 24.3 (21.2-27.4) | 20.1 (14.6-25.6) | 24.8 (19.5-30.2) | 19.2 (15.7-22.7) | 12.1 (10.3-13.9) | 12.0 (10.6-13.4) | 12.8 (10.0-15.6) | 9.0 (6.4-11.6) | 11.0 (8.6-13.4) | | | |
| Race | | | | | | | | | | | | | | | | |
| White | 41.7 (35.8-47.6) | 33.8 (30.4-37.2) | 29.3 (26.6-32.0) | 31.0 (28.7-33.3) | 29.9 (26.1-33.7) | 25.9 (21.2-30.6) | 29.1 (23.9-34.3) | 20.9 (17.3-24.5) | 13.3 (11.3-15.3) | 10.7 (9.2-12.2) | 13.5 (10.1-16.9) | 10.1 (7.4-12.8) | 11.4 (8.0-14.7) | | | |
| Black | 13.3 (10.3-16.3) | 12.6 (9.8-15.4) | 16.7 (12.7-20.7) | 14.1 (12.7-15.5) | 14.1 (11.3-16.9) | 11.9 (8.5-15.3) | 10.9 (6.1-15.7) | 15.0 (11.5-18.5) | 8.8 (5.9-11.7) | 10.8 (9.4-12.2) | 10.2 (8.1-12.3) | 7.0 (4.7-9.3) | 7.0 (5.0-9.0) | | | |
| Grade | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | 13.6 (9.4-17.8) | 8.8 (6.7-10.9) | 7.1 (5.8-8.4) | 6.8 (4.9-8.7) | 4.0 (1.9-6.1) | 4.4 (1.5-7.3) | | | |
| 7 | | | | | | | | 22.0 (19.3-24.7) | 14.9 (12.2-17.6) | 10.8 (9.0-12.6) | 13.6 (10.1-17.1) | 7.2 (5.0-9.4) | 10.1 (6.8-13.4) | | | |
| 8 | | | | | | | | 18.5 (14.4-22.6) | 14.7 (11.0-18.4) | 14.9 (13.1-16.7) | 15.1 (10.6-19.6) | 13.5 (10.9-16.1) | 12.5 (8.5-16.4) | | | |
| 9 | 25.3 (20.0-30.6) | 21.8 (17.0-26.6) | 20.0 (15.6-24.4) | 22.4 (19.8-25.0) | 19.8 (15.5-24.1) | 17.0 (12.7-21.3) | 17.7 (11.3-24.2) | | | | | | | | | |
| 10 | 27.6 (22.1-33.1) | 21.5 (15.6-27.4) | 19.7 (17.0-22.4) | 21.8 (19.4-24.2) | 22.9 (18.6-27.2) | 12.9 (5.5-20.3) | 19.0 (13.6-24.5) | | | | | | | | | |
| 11 | 32.9 (24.4-41.4) | 23.2 (18.5-27.9) | 27.1 (21.2-33.0) | 24.2 (21.4-27.0) | 22.7 (18.1-27.3) | 20.1 (14.2-26.0) | 15.5 (9.1-21.9) | | | | | | | | | |
| 12 | 32.6 (23.7-41.5) | 29.0 (24.7-33.3) | 26.6 (20.8-32.4) | 25.5 (23.1-27.9) | 24.6 (18.2-31.0) | 27.5 (21.4-33.6) | 29.9 (22.1-37.6) | | | | | | | | | |

*The 2001 estimates for public high school students are from the YRBS

Frequent cigarette use trend 2000-2008

| | Public High School | | | | | | | | | | Public Middle School | | | | | |
|--------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--|--|--|
| | 2000 % (95%C.I.) | 2001* % (95%C.I.) | 2002 % (95%C.I.) | 2003 % (95%C.I.) | 2004 % (95%C.I.) | 2006 % (95%C.I.) | 2008 % (95%C.I.) | 2000 % (95%C.I.) | 2002 % (95%C.I.) | 2003 % (95%C.I.) | 2004 % (95%C.I.) | 2006 % (95%C.I.) | 2008 % (95%C.I.) | | | |
| Total | 13.8 (10.8-16.8) | 11.5 (9-14) | 9.0 (7.4-10.6) | 10.1 (9.1-11.1) | 9.4 (7.7-11.1) | 7.6 (5.7-9.5) | 7.8 (5.3-10.4) | 3.8 (2.7-4.9) | 2.7 (1.8-3.6) | 2.3 (1.9-2.7) | 3.0 (2.3-3.7) | 1.9 (1.0-2.8) | 1.5 (0.8-2.2) | | | |
| Sex | | | | | | | | | | | | | | | | |
| Female | 12.5 (8.9-16.1) | 12.5 (8.3-16.7) | 7.8 (5.9-9.7) | 9.1 (7.9-10.3) | 7.7 (5.6-9.8) | 5.5 (2.6-8.4) | 6.9 (4.1-9.6) | 3.6 (2.4-4.8) | 2.2 (1.4-3.0) | 1.6 (1.1-2.1) | 2.6 (1.4-3.8) | 1.9 (0.9-2.9) | 0.6 (0.1-1.2) | | | |
| Male | 15.1 (11.8-18.4) | 10.3 (7.6-13.0) | 10.4 (7.9-12.9) | 11.0 (9.6-12.4) | 11.1 (8.6-13.6) | 9.8 (7.6-12.0) | 9.0 (5.7-12.2) | 4.1 (2.8-5.4) | 3.2 (2.0-4.4) | 2.9 (2.3-3.5) | 3.2 (2.4-4.0) | 1.9 (0.7-3.1) | 2.4 (1.2-3.6) | | | |
| Race | | | | | | | | | | | | | | | | |
| White | 21.6 (17.2-26.0) | 17.9 (15.1-20.7) | 13.9 (11.7-16.1) | 14.9 (13.2-16.6) | 13.9 (11.1-16.7) | 11.1 (7.3-14.9) | 13.2 (8.8-17.6) | 5.9 (4.0-7.8) | 3.8 (2.2-5.4) | 2.8 (2.1-3.5) | 4.1 (2.5-5.7) | 3.7 (2.3-5.1) | 2.1 (0.8-3.4) | | | |
| Black | 4.3 (2.2-6.4) | 4.2 (2.4-6.0) | 4.4 (2.7-6.1) | 4.1 (3.3-4.9) | 4.7 (3.2-6.2) | 4.4 (1.9-6.9) | 2.4 (0.8-3.9) | 1.7 (0.8-2.6) | 1.4 (0.6-2.2) | 1.6 (1.1-2.1) | 1.8 (1.3-2.3) | 0.3 (0.0-0.7) | 0.7 (0.1-1.4) | | | |
| Grade | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | 2.8 (0.7-4.9) | 1.3 (0.5-2.1) | 1.3 (0.9-1.7) | 1.1 (0.2-2.0) | 0.7 (0.0-1.4) | 0.6 (0.0-1.2) | | | |
| 7 | | | | | | | | 4.0 (2.2-5.8) | 3.4 (2.4-4.4) | 1.8 (1.4-2.2) | 3.0 (1.8-4.2) | 1.2 (0.4-2.1) | 1.2 (0.4-2.1) | | | |
| 8 | | | | | | | | 4.8 (3.3-6.3) | 5.2 (3.0-7.4) | 3.8 (3.1-4.5) | 4.7 (2.7-6.7) | 3.5 (1.6-5.4) | 2.7 (1.0-4.3) | | | |
| 9 | 11.1 (6.0-16.2) | 7.7 (5.1-10.3) | 7.7 (5.0-10.4) | 7.5 (6.0-9.0) | 7.8 (5.7-9.9) | 7.1 (5.0-9.2) | 5.4 (2.8-8.0) | | | | | | | | | |
| 10 | 14.3 (9.5-19.1) | 9.2 (5.3-13.1) | 7.8 (5.9-9.7) | 8.6 (7.3-9.9) | 9.5 (6.7-12.3) | 5.5 (1.0-10.0) | 6.2 (3.0-9.4) | | | | | | | | | |
| 11 | 17.0 (10.7-23.3) | 12.4 (8.5-16.3) | 7.9 (4.6-11.2) | 11.2 (9.3-13.1) | 9.5 (6.6-12.4) | 7.0 (4.3-9.7) | 6.6 (1.8-11.4) | | | | | | | | | |
| 12 | 13.9 (8.0-19.8) | 18.4 (15.0-21.8) | 12.8 (9.0-16.6) | 14.5 (12.4-16.6) | 12.2 (7.9-16.5) | 12.2 (8.8-15.6) | 14.9 (10.4-19.3) | | | | | | | | | |

*The 2001 estimates for public high school students are from the YRBS

