

# TOBACCO

## Fact Sheet



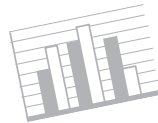
The Michigan Youth Risk Behavior Survey (YRBS) is part of a nationwide surveying effort led by the Centers for Disease Control and Prevention (CDC) to monitor students' health risks and behaviors in six categories identified as most likely to result in adverse outcomes. These categories include unintentional injury and violence, tobacco use, alcohol and other drug use, sexual behaviors that contribute to unintended pregnancy or disease, dietary behaviors, and physical inactivity. High response rates allow results of the 2009 YRBS to be generalized to all Michigan students in grades 9-12.



### Of Vital Concern: The National Perspective

Cigarette smoking is the leading cause of preventable death in the United States and accounts for approximately 440,000 deaths each year. Cigarette smoking increases risk of heart disease; chronic obstructive pulmonary disease; acute respiratory illness; stroke; and cancers of the lung, larynx, oral cavity, pharynx, pancreas, and cervix. In addition, cigarette smokers are more likely to drink alcohol and use marijuana and cocaine as compared to nonsmokers. If current patterns of smoking behavior persist, an estimated 6.4 million U.S. persons who were under the age of 18 in 2000 could die prematurely from smoking-related illnesses.

Use of smokeless tobacco products increases the risk of developing cancer of the oral cavity and heart disease and stroke. Approximately 64% of schools had adopted policies that prohibited cigarette smoking and smokeless tobacco use among students, faculty and staff, and school visitors in school buildings; outside on school grounds; on school buses or other vehicles used to transport students; and at off-campus, school-sponsored events. Among high school students nationwide in 2007, 50% had ever tried cigarette smoking, 20% had smoked cigarettes in the last month, and 6% had smoked cigarettes on school property in the last month.

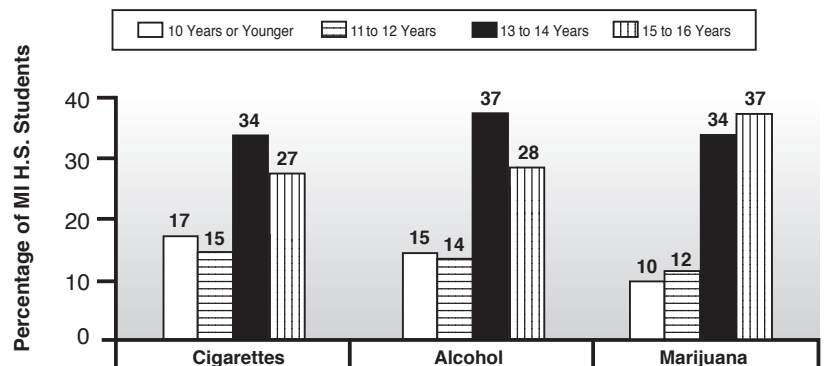


### 2009 Survey Results

- ◆ Nearly half of all high school students have **ever tried** smoking<sup>1</sup> cigarettes, regardless of gender or race/ethnicity. Nearly half of current smokers began smoking between age 11 and 14 (Figure 1).
- ◆ Of the students who were current smokers, more than half have **tried to quit** in the past year. This was consistent regardless of gender and ninth through eleventh graders.

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#### Early Initiation of Cigarette, Alcohol, and Marijuana Use\*

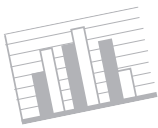


\* Among those who ever smoked, drank alcohol, or tried marijuana

<sup>1</sup> Ever tried smoking means tried cigarette smoking, even one or two puffs.

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### 2009 Survey Results (continued)

- ◆ Hispanic students were more likely than white and black students to have **ever smoked** and used **smokeless tobacco**<sup>2</sup> recently. They were more likely than white students to have **smoked early**<sup>3</sup> and more likely than black students to have **smoked frequently**<sup>4</sup> (Figure 2).
- ◆ Black students were significantly less likely than Hispanic and white students to have **smoked recently**<sup>5</sup>; used **smokeless tobacco** in their life; and used **any form of tobacco** recently.<sup>6</sup>
- ◆ Gender differences were clear for **smokeless tobacco** and **cigar** use<sup>7</sup> with males using significantly more than females (Figure 3).

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<sup>2</sup> *Smokeless tobacco* includes chewing tobacco, snuff, and dip.

<sup>3</sup> *Early smoking* is prior to age 13.

<sup>4</sup> *Frequent smoking* means smoked cigarettes on 20 or more of the past 30 days.

<sup>5</sup> *Recent smoking* means smoked cigarettes on one or more of the past 30 days.

<sup>6</sup> *Any form of tobacco* includes cigarettes, cigars, cigarillos, little cigars, chewing tobacco, snuff, and dip.

<sup>7</sup> *Cigar use* includes cigars, cigarillos, and little cigars.

**Contact Information**

Michigan Department of Education, Grants Coordination and School Support,  
Coordinated School Health and Safety Programs  
P.O. Box 30008, Lansing, Michigan 48909 Phone: 517-241-4284  
Web: www.michigan.gov/mde

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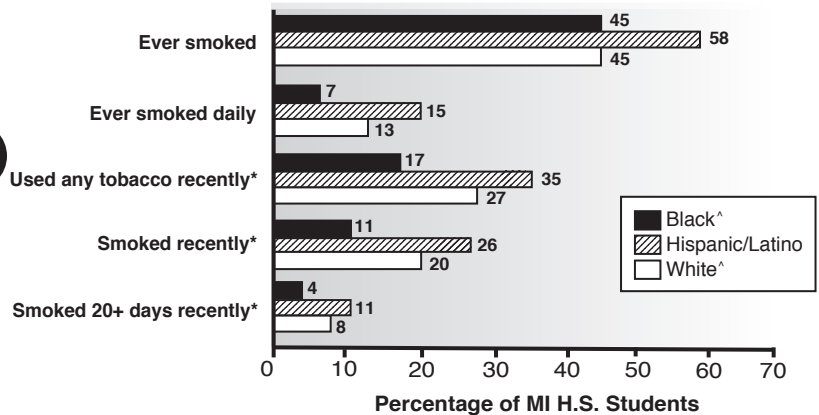
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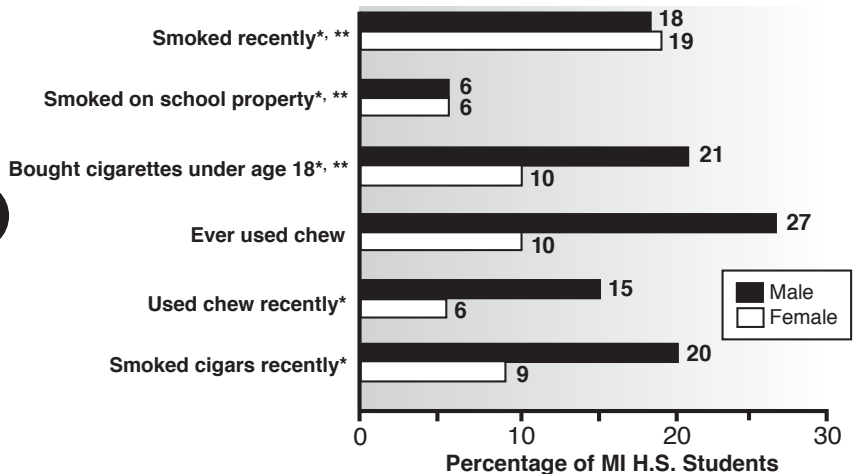
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### Tobacco Use and Race/Ethnicity



\* During the previous month  
<sup>^</sup> Non-Hispanic

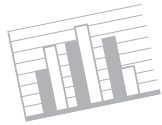
### Tobacco Use and Gender



\* During the previous month  
\*\* These percentages do not represent a statistically significant difference between genders.

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### 2009 Survey Results (continued)

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◆ Older students were more likely than younger students to have **ever tried smoking, smoked frequently, used cigars, and used any form of tobacco** (Figure 4).

◆ One in seven underage smokers<sup>8</sup> were able to **buy cigarettes** at a store or gas station.

◆ Students with low grades were more likely than those with high grades<sup>9</sup> to report most types of smoking as well as **smokeless tobacco, cigar, and any tobacco** use (Figure 5).

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### Trends

In the last decade, significantly fewer high school students have ever tried cigarettes and ever smoked daily;<sup>10</sup> smoked before age 13; smoked on school property; reported recent, frequent, and heavy smoking;<sup>11</sup> and any tobacco. However, more high school students have used chew, dip, or snuff (Figure 6).

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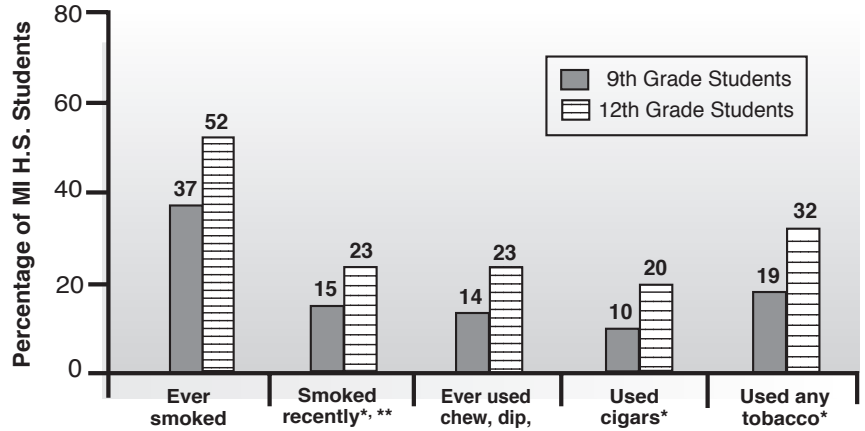
<sup>8</sup> Underage smokers refer to students who currently smoke and are under 18 years of age.

<sup>9</sup> Self report grades earned in school are used to assess academic achievement with high grades representing students with mostly As and Bs, average grades with Cs, and low grades with mostly Ds and Fs.

<sup>10</sup> Daily smoking means smoked at least one cigarette per day for 30 days.

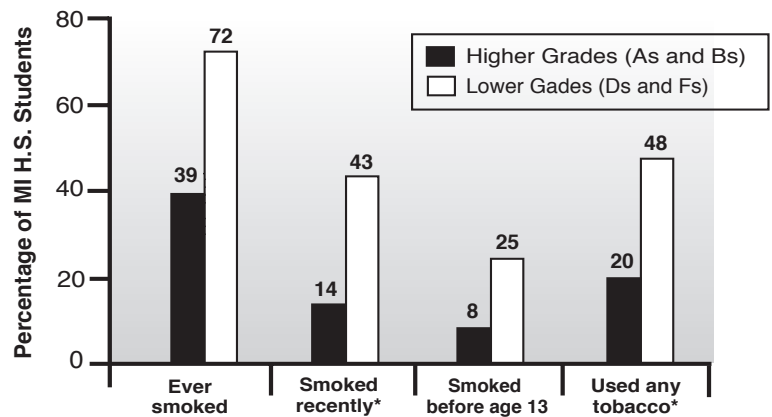
<sup>11</sup> Heavy smoking means smoked more than 10 cigarettes per day for 30 days.

### Tobacco Use and Grade



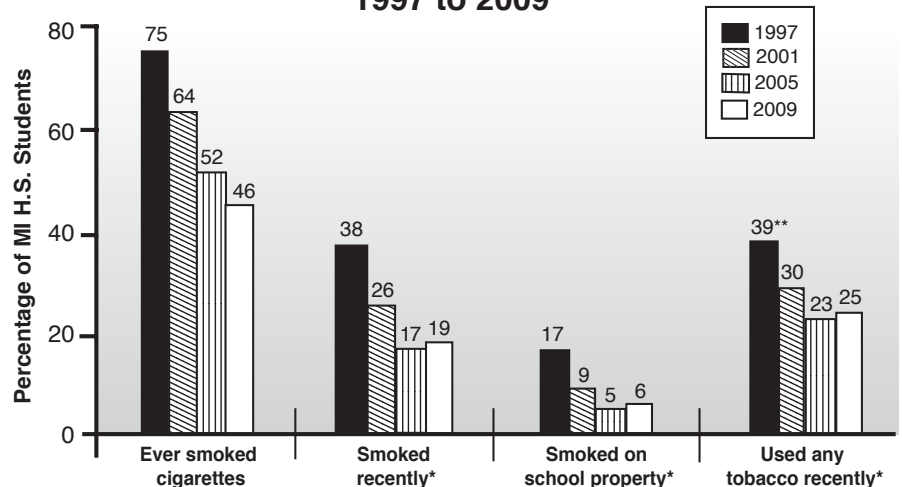
\* During the previous month  
\*\* Not statistically significant

### Tobacco Use by Academics



\* During the previous month

### Trends in Tobacco Use 1997 to 2009



\* During the previous month  
\*\* 1999 YRBS, 1997 not available

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### SURVEY QUESTION



SURVEY QUESTION	MI	GENDER		GRADE				RACE/ETHNICITY		
	2009	M	F	9	10	11	12	Black <sup>^</sup>	Hispanic /Latino	White <sup>^</sup>
% of students who <b>ever tried cigarette smoking</b> , even one or two puffs	46	45	47	37	44	52	52	45	58	45
% of students who <b>smoked</b> a whole cigarette for the first time <b>before age 13</b>	11	12	10	12	11	12	9	15	18	10
% of students who <b>smoked cigarettes</b> on one or more of the <b>past 30 days</b>	19	18	19	15	17	21	23	11	26	20
% of students who <b>smoked cigarettes on 20 or more</b> of the <b>past 30 days</b>	8	7	9	6	6	9	11	4	11	8
% of students who <b>smoked 10 or more cigarettes per day</b> on the days they smoked during the past 30 days	10	13	7	7	9	11	12	--	--	9
Among students who were <b>less than 18 years of age</b> and who reported current cigarette use, % who <b>purchased cigarettes</b> at a store or gas station during the past 30 days	15	21	10	7	8	21	--	--	--	15
% of students who <b>smoked cigarettes on school property</b> on one or more of the past 30 days	6	6	6	4	5	7	8	5	11	6
% of students who <b>ever smoked cigarettes daily</b> , that is, at least one cigarette every day for 30 days	13	13	12	10	10	15	15	7	15	13
Among students who reported current cigarette use, % of students who ever <b>tried to quit smoking</b> cigarettes during the past 12 months	54	52	56	65	53	51	48	--	--	53
% of students who have <b>ever tried chewing tobacco</b> , snuff, or dip	18	27	10	14	17	22	23	12	26	20
% of students who <b>used chewing tobacco, snuff, or dip</b> on one or more of the <b>past 30 days</b>	11	15	6	8	9	13	13	9	19	10
% of students who <b>smoked cigars</b> , cigarillos, or little cigars on one or more of the <b>past 30 days</b>	15	20	9	10	13	16	20	14	24	14
% of students who <b>used any tobacco</b> during the <b>past 30 days</b>	25	28	23	19	22	29	32	17	35	27
% of students who have ever been told by a doctor or nurse that they <b>have asthma</b>	23	23	23	21	26	24	22	25	31	23
% of students who had been told by a doctor or nurse that they had asthma and <b>still have asthma</b>	12	10	14	11	13	11	12	12	12	12
Among students who currently have asthma, % who <b>went to an emergency room/urgent care center because of their asthma</b> one or more times during the past 12 months	18	16	20	--	28	--	--	--	--	16

<sup>^</sup>Non-Hispanic

For additional information on the YRBS results, please log on to [www.michigan.gov/yrbs](http://www.michigan.gov/yrbs)