



# Tobacco: High School

East Grand Rapids High School  
East Grand Rapids



The **Michigan Profile for Healthy Youth (MiPHY)** is an online student health survey offered by the Michigan Departments of Education and Community Health to support local and regional needs assessment. The MiPHY provides student results on health risk behaviors including substance use, violence, physical activity, nutrition, sexual behavior, and emotional health in grades 7, 9, and 11. The survey also measures risk and protective factors most predictive of alcohol, tobacco, and other drug use and violence. MiPHY results, along with other school-reported data, will help schools make data-driven decisions to improve programming funded under the Title IV Safe and Drug-Free Schools (SDFS) program of the No Child Left Behind Act of 2001 as well as other prevention and health promotion programming.



## Of Vital Concern: The Michigan Perspective

Tobacco use is considered the chief preventable cause of death in the United States with 18% of all deaths attributable to tobacco use. Cigarette smoking increases risk of heart disease; cancers of the lung, larynx, mouth, esophagus, and bladder; stroke; and chronic obstructive pulmonary disease. In addition, cigarette smokers are more likely to drink alcohol and use marijuana and cocaine as compared to non-smokers!<sup>1</sup>

In 2005, 17% of Michigan high school students reported smoking cigarettes recently and 5% did so on school property. At least half of all students have ever tried smoking cigarettes, regardless of gender or race/ethnicity. Half of the current smokers began smoking between age 11 and 14. The percentage of high school students who ever smoked cigarettes has steadily decreased from 75% in 1997 to 52% in 2005.<sup>2</sup>

Approximately 42% of Michigan school districts have a 24/7 tobacco-free school policy prohibiting tobacco use in buildings, on all school property, in school vehicles, and during school events on or off campus. Most Michigan secondary schools (96%) teach tobacco-use prevention in a required health education course<sup>3</sup>

<sup>1</sup> Centers for Disease Control and Prevention, 2005  
<sup>2</sup> Michigan Youth Risk Behavior Survey, 2005  
<sup>3</sup> Michigan School Health Profile, 2006  
<sup>4</sup> Results are representative of students surveyed in the building/district



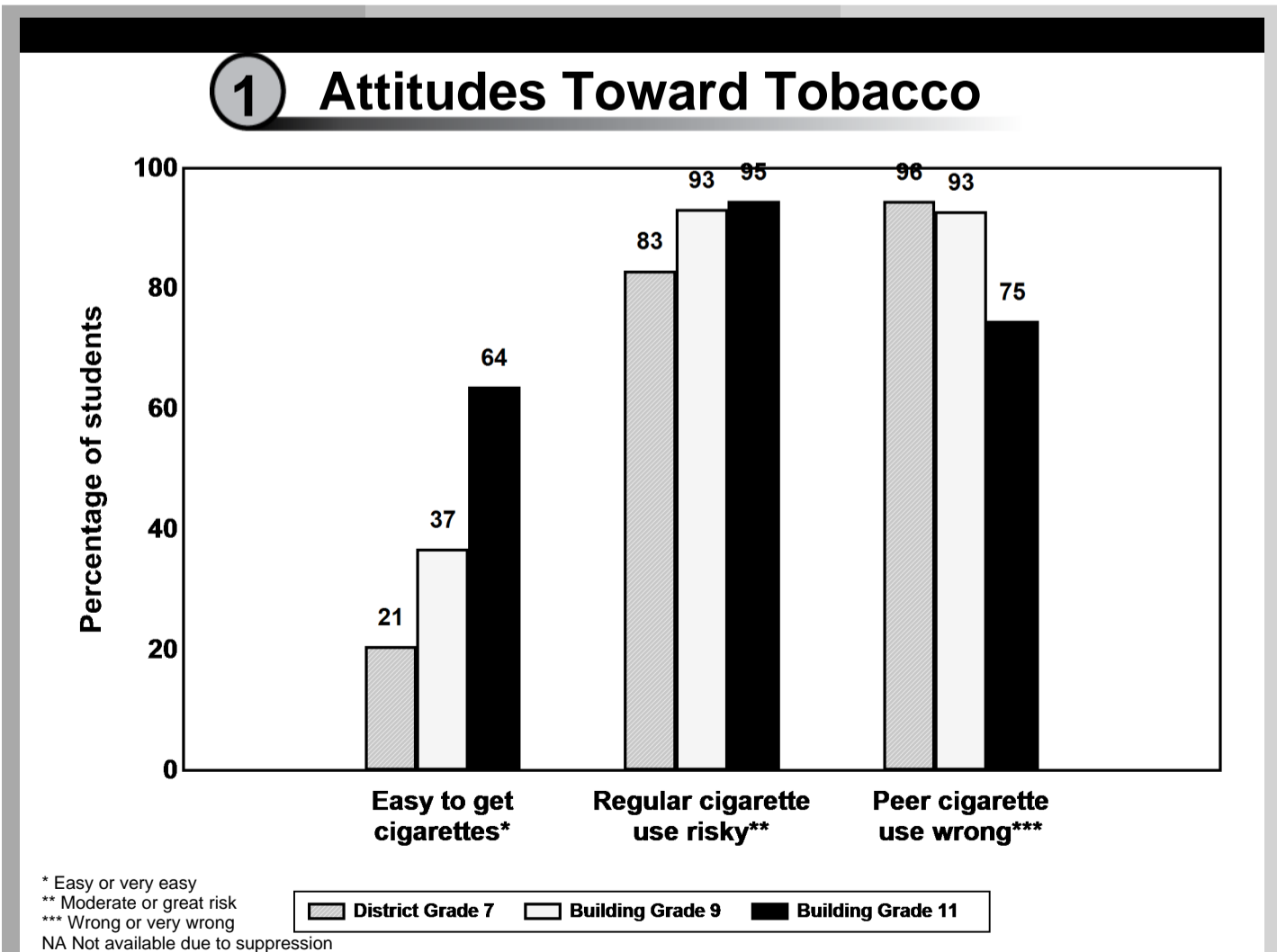
## 2012 Survey Results

This report provides guidance through text and graphs of MiPHY survey results. The graphs display key results broken down by academic achievement, grade level, and gender for students in grades 7, 9, and 11.<sup>4</sup> Several graphs also provide MiPHY building and district results as well as state YRBS results for comparability. Use the text and guiding questions to help interpret the results to improve prevention and health promotion programming. For details on survey demographics, please refer to the demographic report.

### Attitudes Toward Tobacco

Perceived availability, perceived harm, and peer attitudes are highly predictive of substance use among youth. Influencing these perceptions as early as possible is important for preventing first use.

- Comparing among grades 7, 9, and 11, do younger students have a perception of easier availability, greater harm, and lower peer disapproval than older students?
- Are these perceptions different for alcohol versus tobacco? (See alcohol report for comparison data.)



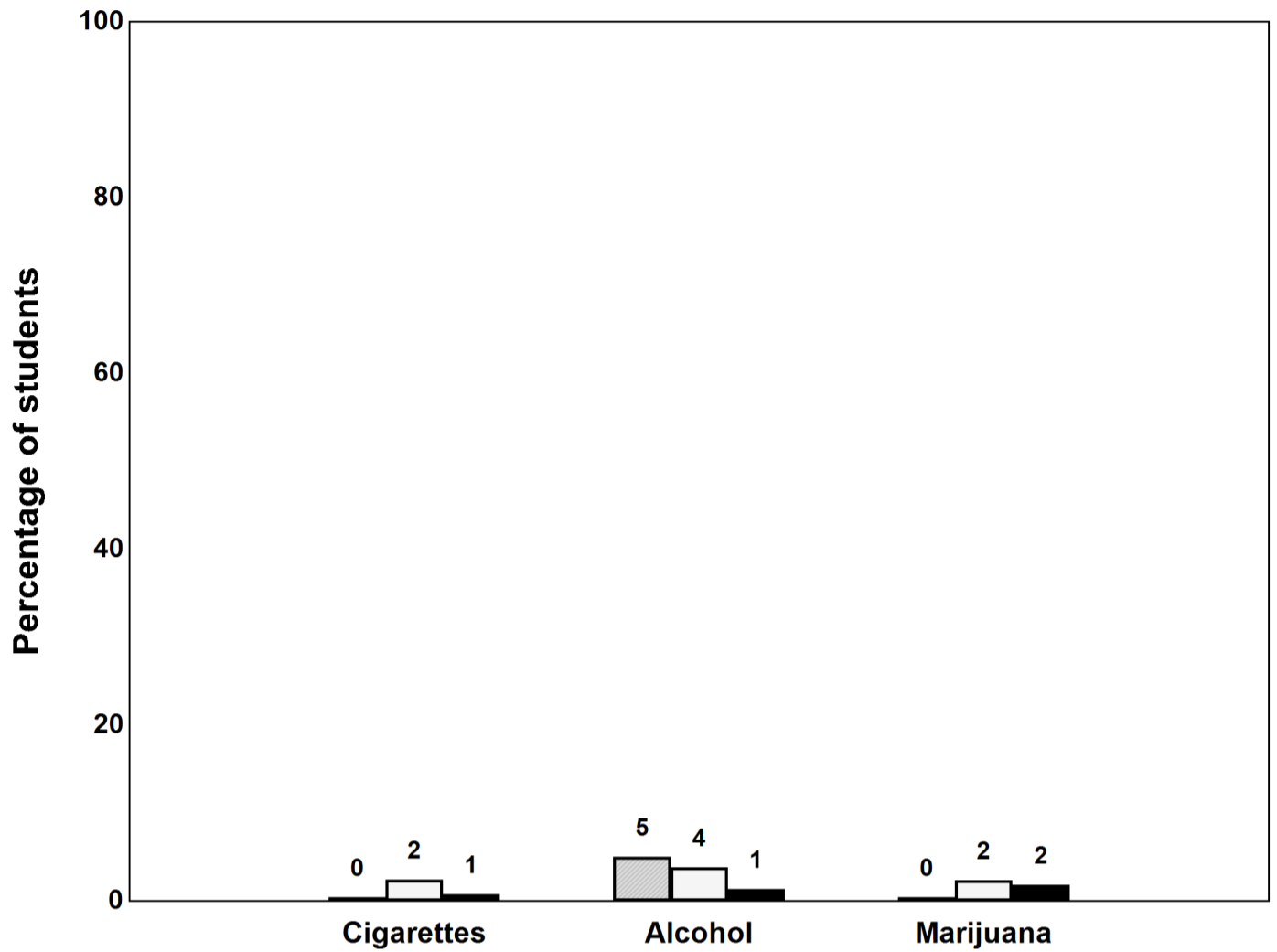


### Early Initiation of Substance Use

Tobacco, alcohol, and marijuana are considered gateway drugs that youth may choose to use, possibly leading to addiction and experimentation with other drugs. Substance use prior to age 13 is highly predictive of future substance abuse problems during school years and adulthood, so preventing use is key during these early years.

- Are students getting information about harmful effects of smoking prior to initiating substance use?

## 2 Early Initiation of Substance Use\*\*\*



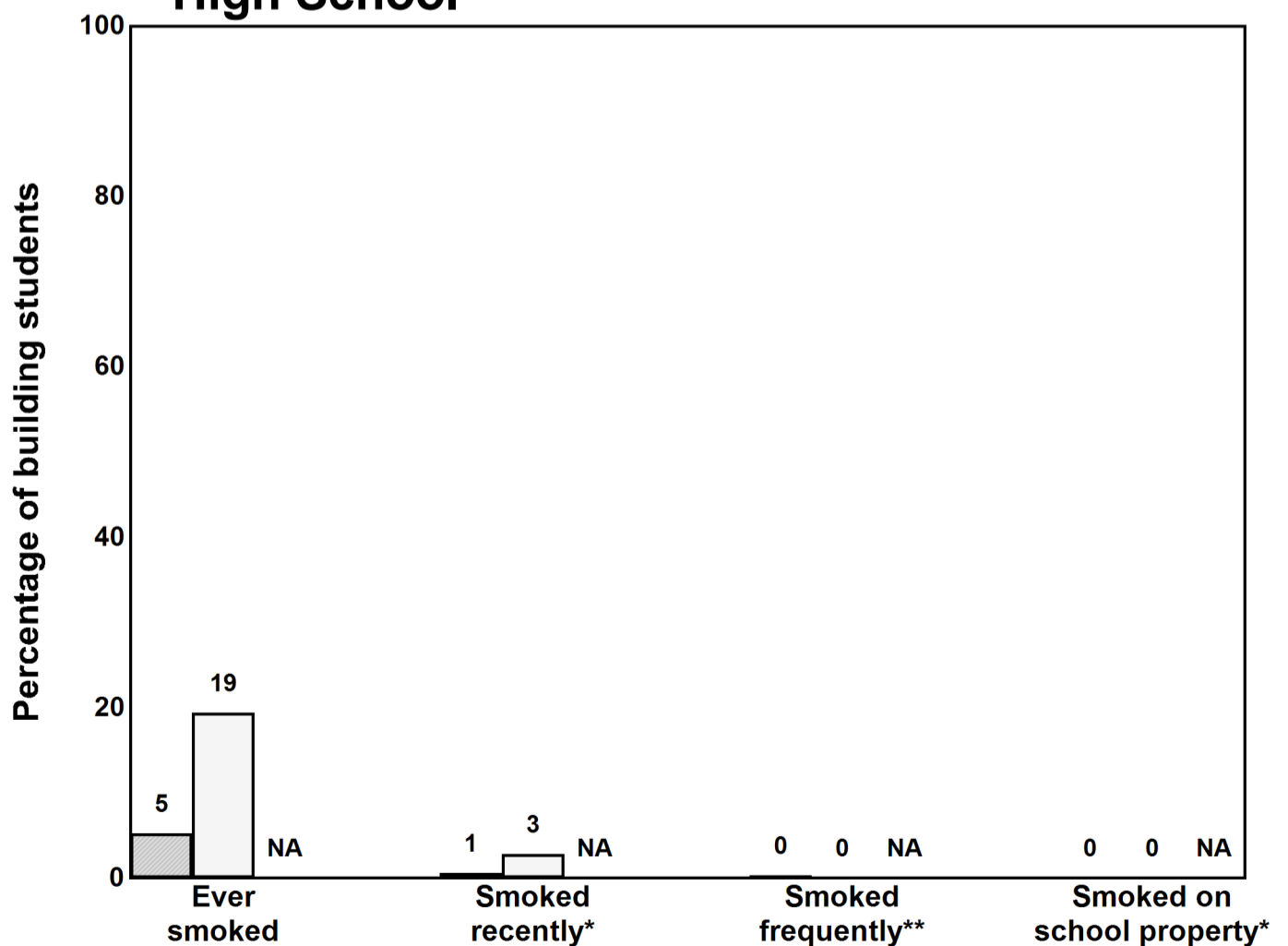
\* First use before age 11  
 \*\* First use before age 13  
 \*\*\* Among those who ever smoked, drank alcohol, or tried marijuana  
 NA Not available due to suppression

### Tobacco Use by Academic Achievement

Typically, the prevalence of risk behaviors, risk factors, and protective factors is different for high- versus low-achieving students, suggesting that prevention efforts should be targeted differently to these groups.

- Which risk behavior item results (e.g., smoked recently) are lower/higher for high achieving (As/Bs) vs. low-achieving students (Ds/Fs)?
- Do prevention messages employ a variety of educational strategies to reach the range of student populations?

## 3 Tobacco Use by Academic Achievement High School



\* During the past 30 days  
 \*\* Smoked 20 or more of the past 30 days  
 NA Not available due to suppression



### Tobacco Use by Grade Level

Results of the Michigan Youth Risk Behavior Survey show that older students were more likely than younger students to have ever tried smoking and to have smoked recently.

- Which smoking behavior results are most prevalent? Which are least prevalent?
- Thinking about these results, are students receiving tobacco prevention messages at the appropriate grade level?
- What results are unacceptable according to the district/building goals and other standards?

### Tobacco Use by Gender

Tobacco use by males and females will differ based on a variety of factors. For females these factors could include diet control or a desire for independence. For males these factors can depend on peer pressure or marketing influence.

- What, if any, difference is there between male and female use?
- Do these results reflect where prevention efforts are targeted?

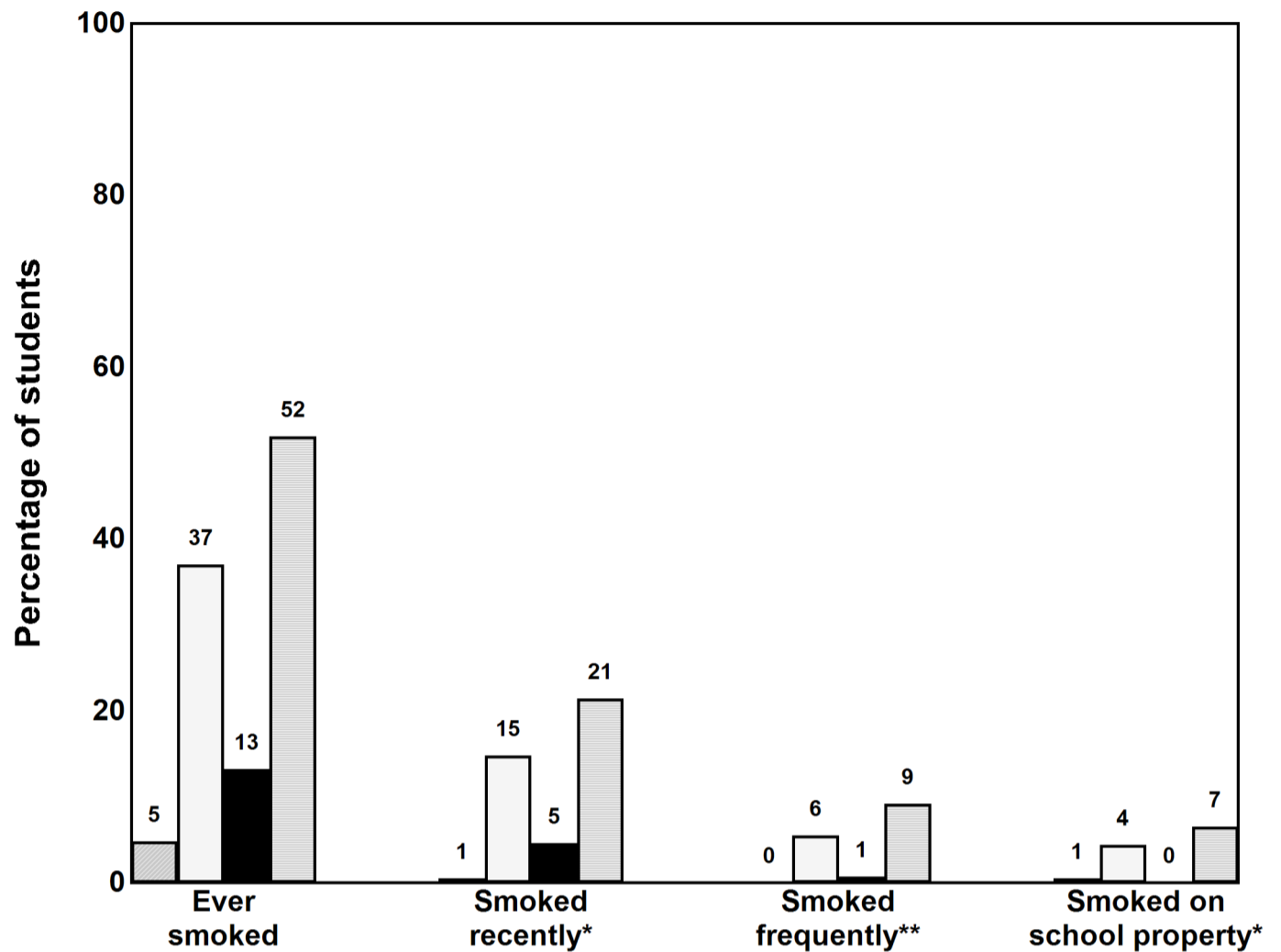
### Risk Behaviors at School

Prevalence of risk behaviors on school property is usually lower than off school property. However, even low prevalence of risk behaviors on school property can lead to (a) increased school time devoted to addressing students suspected of or caught engaging in these behaviors, (b) less time and energy spent on instruction, and even (c) a spread of risk behaviors on school property due to perceived social norms favoring such behavior (in other words, "everybody's doing it, so I will, too!").

Refer to the tobacco use behaviors (smoking and smokeless tobacco) on school property on each of the tobacco graphs and summary table related to academics, grade level, gender and race/ethnicity.

- What tobacco behaviors (smoking or chew) on school property are high or low prevalence in your building/district?
- What are the differences in tobacco use on school property, if any, between high and low achieving students? Younger versus older students? Males versus females? Among different racial/ethnic groups, if applicable?

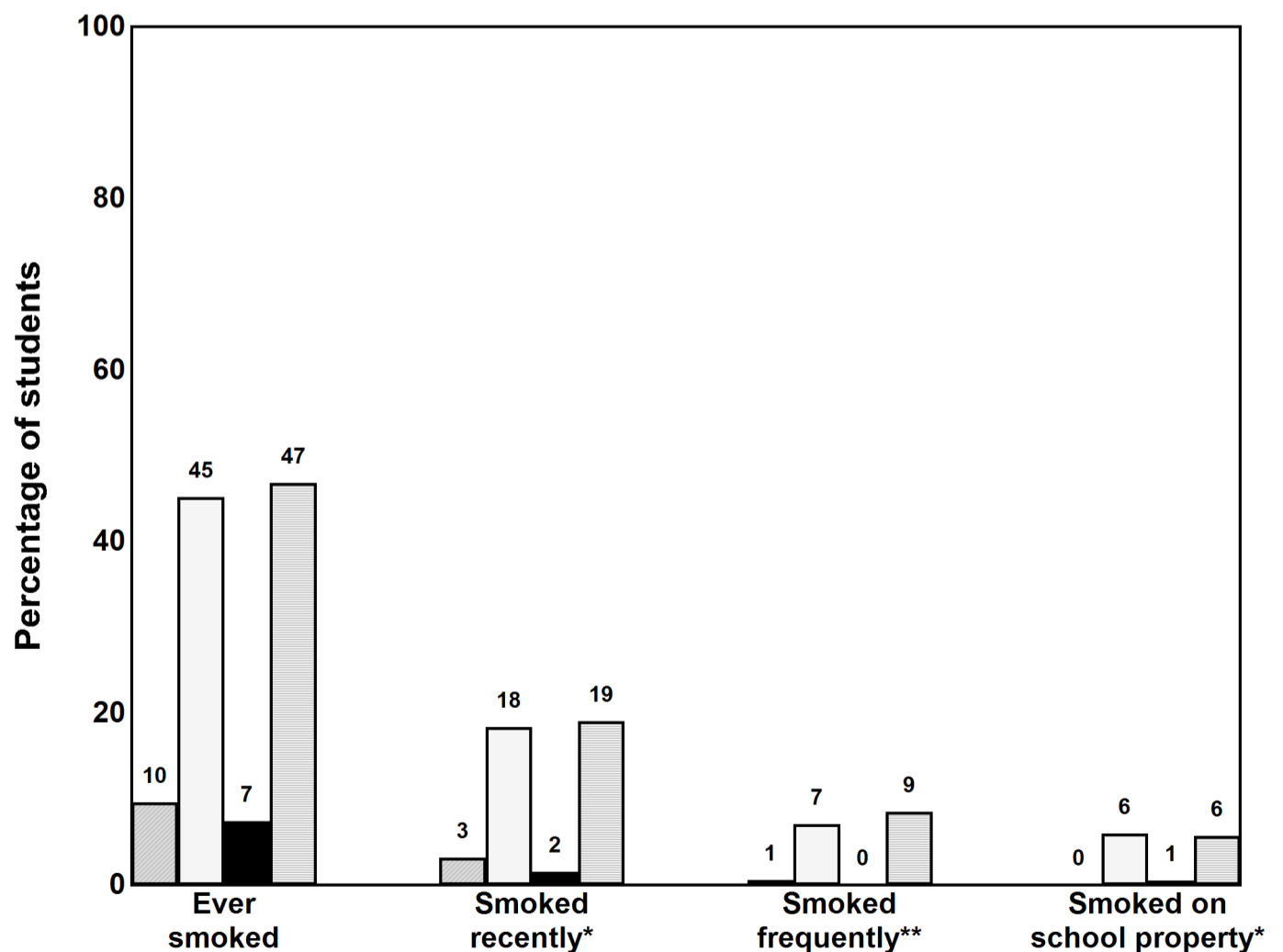
## 4 Tobacco Use by Grade Level



\* During the past 30 days  
\*\* Smoked 20 or more of the past 30 days  
NA Not available due to suppression

Building Grade 9 YRBS Grade 9 Building Grade 11 YRBS Grade 11

## 5 Tobacco Use by Gender: High School



\* During the past 30 days  
\*\* Smoked 20 or more of the past 30 days  
NA Not available due to suppression

Male Percentage Male YRBS Percentage Female Percentage Female YRBS Percentage



# 2012 MiPHY Tobacco Summary Table

# East Grand Rapids High School East Grand Rapids

% = unweighted percentage of reported response. (n) = number of students with reported response.

|  | 2009 YRBS <sup>1</sup> | Building <sup>2</sup> | Grade          |                | Gender         |                | Race/Ethnicity |                |               |                 |                | Academics      |              |
|--|------------------------|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|-----------------|----------------|----------------|--------------|
|  |                        |                       | 9              | 11             | M              | F              | Black          | White          | Hispanic      | American Indian | Asian          | As/Bs          | Ds/Fs        |
| <b>ATTITUDES TOWARD TOBACCO</b>  |                        |                       |                |                |                |                |                |                |               |                 |                |                |              |
| Percentage of students who reported sort of easy or very easy to get cigarettes  | N/A                    | 48.3%<br>(189)        | 36.8%<br>(82)  | 63.7%<br>(107) | 52.5%<br>(93)  | 44.3%<br>(94)  | 50.0%<br>(5)   | 47.2%<br>(154) | 58.8%<br>(10) | -               | 45.5%<br>(5)   | 46.7%<br>(155) | 50.0%<br>(5) |
| Percentage of students who reported regular cigarette use to be a moderate or great risk   | N/A                    | 94.1%<br>(368)        | 93.2%<br>(207) | 95.3%<br>(161) | 90.3%<br>(159) | 97.2%<br>(207) | 90.0%<br>(9)   | 95.7%<br>(313) | 75.0%<br>(12) | -               | 90.9%<br>(10)  | 95.8%<br>(319) | 50.0%<br>(5) |
| Percentage of students who reported cigarette use by peers to be wrong or very wrong   | N/A                    | 84.9%<br>(332)        | 92.8%<br>(206) | 74.6%<br>(126) | 84.7%<br>(149) | 85.4%<br>(182) | 80.0%<br>(8)   | 86.5%<br>(283) | 81.3%<br>(13) | -               | 72.7%<br>(8)   | 87.4%<br>(291) | 60.0%<br>(6) |
| Percentage of students who reported they thought all of their friends had smoked cigarettes recently   | N/A                    | 2.8%<br>(11)          | 3.6%<br>(8)    | 1.8%<br>(3)    | 4.0%<br>(7)    | 1.9%<br>(4)    | 0.0%<br>(0)    | 2.1%<br>(7)    | 12.5%<br>(2)  | -               | 0.0%<br>(0)    | 2.4%<br>(8)    | 20.0%<br>(2) |
| Percentage of students who reported they thought most of their friends had smoked cigarettes recently  | N/A                    | 1.3%<br>(5)           | 0.9%<br>(2)    | 1.8%<br>(3)    | 1.1%<br>(2)    | 1.4%<br>(3)    | 0.0%<br>(0)    | 1.2%<br>(4)    | 0.0%<br>(0)   | -               | 0.0%<br>(0)    | 1.2%<br>(4)    | 10.0%<br>(1) |
| Percentage of students who reported they thought some of their friends had smoked cigarettes recently  | N/A                    | 16.8%<br>(66)         | 7.2%<br>(16)   | 29.6%<br>(50)  | 18.1%<br>(32)  | 16.0%<br>(34)  | 20.0%<br>(2)   | 16.2%<br>(53)  | 31.3%<br>(5)  | -               | 0.0%<br>(0)    | 15.0%<br>(50)  | 40.0%<br>(4) |
| Percentage of students who reported they thought none of their friends had smoked cigarettes recently  | N/A                    | 79.1%<br>(310)        | 88.3%<br>(197) | 66.9%<br>(113) | 76.8%<br>(136) | 80.8%<br>(172) | 80.0%<br>(8)   | 80.5%<br>(264) | 56.3%<br>(9)  | -               | 100.0%<br>(11) | 81.4%<br>(272) | 30.0%<br>(3) |
| Percentage of students who reported their parents felt cigarette use to be wrong or very wrong   | N/A                    | 97.2%<br>(378)        | 98.6%<br>(218) | 95.2%<br>(160) | 94.9%<br>(167) | 99.1%<br>(209) | 90.0%<br>(9)   | 97.8%<br>(318) | 93.8%<br>(15) | -               | 100.0%<br>(11) | 98.2%<br>(325) | 70.0%<br>(7) |
| <b>TOBACCO</b>   |                        |                       |                |                |                |                |                |                |               |                 |                |                |              |
| Percentage of students who ever smoked a whole cigarette (lifetime)  | 46.0%                  | 8.4%<br>(30)          | 4.8%<br>(10)   | 13.2%<br>(20)  | 9.6%<br>(15)   | 7.4%<br>(15)   | -              | 7.5%<br>(23)   | 16.7%<br>(2)  | -               | 0.0%<br>(0)    | 5.2%<br>(16)   | -            |
| Percentage of students who smoked a whole cigarette for the first time before age 13 years (age of onset)  | 11.1%                  | 1.7%<br>(6)           | 2.4%<br>(5)    | 0.7%<br>(1)    | 2.6%<br>(4)    | 1.0%<br>(2)    | -              | 1.0%<br>(3)    | 8.3%<br>(1)   | -               | 0.0%<br>(0)    | 0.6%<br>(2)    | -            |
| Average age of first tobacco use (Note: Not a percentage)  | N/A                    | 14.1<br>(30)          | 12.6<br>(10)   | 14.9<br>(20)   | 14.0<br>(15)   | 14.3<br>(15)   | -              | 14.6<br>(23)   | -             | -               | -              | 14.4<br>(16)   | -            |
| Percentage of students who smoked cigarettes during the past 30 days (recent)  | 18.8%                  | 2.2%<br>(8)           | 0.5%<br>(1)    | 4.6%<br>(7)    | 3.2%<br>(5)    | 1.5%<br>(3)    | -              | 2.3%<br>(7)    | 0.0%<br>(0)   | -               | 0.0%<br>(0)    | 0.6%<br>(2)    | -            |
| Percentage of students who smoked cigarettes on 20 or more of the past 30 days (frequent)  | 7.8%                   | 0.3%<br>(1)           | 0.0%<br>(0)    | 0.7%<br>(1)    | 0.6%<br>(1)    | 0.0%<br>(0)    | -              | 0.3%<br>(1)    | 0.0%<br>(0)   | -               | 0.0%<br>(0)    | 0.3%<br>(1)    | -            |
| Among students who smoked recently, the percentage who usually got their own cigarettes in a store or gas station during the past 30 days                            | 24.0%                  | -                     | -              | -              | -              | -              | -              | -              | -             | -               | -              | -              | -            |
| Among students who smoked recently, the percentage who usually got their own cigarettes by buying them from a vending machine in the past 30 days.                   | 1.0%                   | -                     | -              | -              | -              | -              | -              | -              | -             | -               | -              | -              | -            |
| Among students who smoked recently, the percentage who usually got their own cigarettes by giving someone else money to buy them during the past 30 days.            | 25.0%                  | -                     | -              | -              | -              | -              | -              | -              | -             | -               | -              | -              | -            |
| Among students who smoked recently, the percentage who usually got their own cigarettes borrowing or bumming them from someone else during the past 30 days.         | 24.0%                  | -                     | -              | -              | -              | -              | -              | -              | -             | -               | -              | -              | -            |
| Among students who smoked recently, the percentage who usually got their own cigarettes from a person 18 years or older during the past 30 days.                     | 8.0%                   | -                     | -              | -              | -              | -              | -              | -              | -             | -               | -              | -              | -            |
| Among students who smoked recently, the percentage who usually got their own cigarettes by taking them from a store during the past 30 days.                         | N/A                    | -                     | -              | -              | -              | -              | -              | -              | -             | -               | -              | -              | -            |
| Among students who smoked recently, the percentage who usually got their own cigarettes by taking them from a family member during the past 30 days.                 | N/A                    | -                     | -              | -              | -              | -              | -              | -              | -             | -               | -              | -              | -            |
| Among students who smoked recently, the percentage who usually got their own cigarettes by some other way than the question options provided during the past 30 days | 12.0%                  | -                     | -              | -              | -              | -              | -              | -              | -             | -               | -              | -              | -            |
| Percentage of students who smoked cigarettes on school property during the past 30 days  | 5.9%                   | 0.3%<br>(1)           | 0.5%<br>(1)    | 0.0%<br>(0)    | 0.0%<br>(0)    | 0.5%<br>(1)    | -              | 0.0%<br>(0)    | 10.0%<br>(1)  | -               | 0.0%<br>(0)    | 0.0%<br>(0)    | -            |
| Among students who are current smokers, the percentage who tried to quit smoking during the past 12 months   | 53.6%                  | -                     | -              | -              | -              | -              | -              | -              | -             | -               | -              | -              | -            |
| Percentage of students who used chewing tobacco, snuff, or dip during the past 30 days   | 10.6%                  | 1.7%<br>(6)           | 1.0%<br>(2)    | 2.6%<br>(4)    | 3.9%<br>(6)    | 0.0%<br>(0)    | -              | 1.6%<br>(5)    | 0.0%<br>(0)   | -               | 0.0%<br>(0)    | 1.0%<br>(3)    | -            |



% = unweighted percentage of reported response. (n) = number of students with reported response.

|   | 2009 YRBS <sup>1</sup> | Building <sup>2</sup> | Grade          |               | Gender        |               | Race/Ethnicity |                |              |                 |              | Academics      |              |
|---|------------------------|-----------------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------|-----------------|--------------|----------------|--------------|
|   |                        |                       | 9              | 11            | M             | F             | Black          | White          | Hispanic     | American Indian | Asian        | As/Bs          | Ds/Fs        |
| Percentage of students who used chewing tobacco, snuff, or dip on school property during the past 30 days                           | N/A                    | 0.3%<br>(1)           | 0.0%<br>(0)    | 0.7%<br>(1)   | 0.6%<br>(1)   | 0.0%<br>(0)   | -              | 0.3%<br>(1)    | 0.0%<br>(0)  | -               | 0.0%<br>(0)  | 0.3%<br>(1)    | -            |
| Percentage of students who smoked cigars, cigarillos, or little cigars during the past 30 days                                      | 14.7%                  | 7.3%<br>(26)          | 1.9%<br>(4)    | 14.7%<br>(22) | 14.8%<br>(23) | 1.5%<br>(3)   | -              | 7.5%<br>(23)   | 0.0%<br>(0)  | -               | 9.1%<br>(1)  | 7.1%<br>(22)   | -            |
| Percentage of students who smoked cigarettes or cigars or used chewing tobacco, snuff, or dip during the past 30 days (any tobacco) | 25.2%                  | 9.4%<br>(33)          | 2.5%<br>(5)    | 18.8%<br>(28) | 18.4%<br>(28) | 2.5%<br>(5)   | -              | 9.6%<br>(29)   | 0.0%<br>(0)  | -               | 9.1%<br>(1)  | 7.9%<br>(24)   | -            |
| Percentage of students who were exposed to second hand smoke during the past 7 days   | N/A                    | 26.6%<br>(101)        | 24.9%<br>(55)  | 28.9%<br>(46) | 25.0%<br>(42) | 28.1%<br>(59) | 40.0%<br>(4)   | 26.4%<br>(85)  | 25.0%<br>(3) | -               | 9.1%<br>(1)  | 24.4%<br>(79)  | -            |
| Percentage of students who were exposed to second hand smoke daily during the past 7 days   | N/A                    | 2.3%<br>(9)           | 2.7%<br>(6)    | 1.8%<br>(3)   | 3.4%<br>(6)   | 1.4%<br>(3)   | 0.0%<br>(0)    | 2.4%<br>(8)    | 0.0%<br>(0)  | -               | 0.0%<br>(0)  | 1.2%<br>(4)    | 10.0%<br>(1) |
| <b>ASTHMA</b>   |                        |                       |                |               |               |               |                |                |              |                 |              |                |              |
| Percentage of students who had ever been told by a doctor or nurse that they had asthma   | 23.3%                  | 25.5%<br>(97)         | 28.1%<br>(62)  | 22.0%<br>(35) | 26.8%<br>(45) | 24.8%<br>(52) | 30.0%<br>(3)   | 26.2%<br>(84)  | 23.1%<br>(3) | -               | 36.4%<br>(4) | 25.0%<br>(81)  | -            |
| Percentage of students who had been told by a doctor or nurse that they had asthma and still have asthma (i.e. current asthma)      | 11.6%                  | 13.2%<br>(50)         | 14.5%<br>(32)  | 11.3%<br>(18) | 13.1%<br>(22) | 13.4%<br>(28) | 20.0%<br>(2)   | 13.4%<br>(43)  | 15.4%<br>(2) | -               | 18.2%<br>(2) | 13.0%<br>(42)  | -            |
| <b>SOCIAL NORMS: TOBACCO</b>  |                        |                       |                |               |               |               |                |                |              |                 |              |                |              |
| Percentage of students that think none (0%) of the students in their grade smoke one or more cigarettes a day                       | N/A                    | 11.5%<br>(43)         | 16.0%<br>(35)  | 5.1%<br>(8)   | 17.3%<br>(28) | 6.6%<br>(14)  | 0.0%<br>(0)    | 11.4%<br>(36)  | 21.4%<br>(3) | -               | 0.0%<br>(0)  | 11.0%<br>(35)  | -            |
| Percentage of students that think few (1-10%) of the students in their grade smoke one or more cigarettes a day                     | N/A                    | 45.1%<br>(169)        | 45.7%<br>(100) | 44.2%<br>(69) | 46.3%<br>(75) | 44.5%<br>(94) | 50.0%<br>(5)   | 46.3%<br>(146) | 35.7%<br>(5) | -               | 54.5%<br>(6) | 45.5%<br>(145) | -            |
| Percentage of students that think some (11-30%) of the students in their grade smoke one or more cigarettes a day                   | N/A                    | 25.1%<br>(94)         | 21.9%<br>(48)  | 29.5%<br>(46) | 22.8%<br>(37) | 26.5%<br>(56) | 40.0%<br>(4)   | 23.8%<br>(75)  | 21.4%<br>(3) | -               | 18.2%<br>(2) | 25.4%<br>(81)  | -            |
| Percentage of students that think half or less (31-50%) of the students in their grade smoke one or more cigarettes a day           | N/A                    | 10.4%<br>(39)         | 9.6%<br>(21)   | 11.5%<br>(18) | 7.4%<br>(12)  | 12.8%<br>(27) | 10.0%<br>(1)   | 11.4%<br>(36)  | 0.0%<br>(0)  | -               | 18.2%<br>(2) | 11.6%<br>(37)  | -            |
| Percentage of students that think half or more (51-70%) of the students in their grade smoke one or more cigarettes a day           | N/A                    | 5.3%<br>(20)          | 4.1%<br>(9)    | 7.1%<br>(11)  | 3.1%<br>(5)   | 7.1%<br>(15)  | 0.0%<br>(0)    | 5.1%<br>(16)   | 14.3%<br>(2) | -               | 9.1%<br>(1)  | 4.7%<br>(15)   | -            |
| Percentage of students that think most (71-90%) of the students in their grade smoke one or more cigarettes a day                   | N/A                    | 1.9%<br>(7)           | 1.8%<br>(4)    | 1.9%<br>(3)   | 1.2%<br>(2)   | 2.4%<br>(5)   | 0.0%<br>(0)    | 1.6%<br>(5)    | 0.0%<br>(0)  | -               | 0.0%<br>(0)  | 1.6%<br>(5)    | -            |
| Percentage of students that think almost all (91-100%) of the students in their grade smoke one or more cigarettes a day            | N/A                    | 0.8%<br>(3)           | 0.9%<br>(2)    | 0.6%<br>(1)   | 1.9%<br>(3)   | 0.0%<br>(0)   | 0.0%<br>(0)    | 0.3%<br>(1)    | 7.1%<br>(1)  | -               | 0.0%<br>(0)  | 0.3%<br>(1)    | -            |

For additional Michigan Profile for Healthy Youth information, please log on to [www.michigan.gov/miphy](http://www.michigan.gov/miphy)

<sup>1</sup> 2009 Michigan Youth Risk Behavior Survey. For additional information on the YRBS results, please go to [www.michigan.gov/yrbs](http://www.michigan.gov/yrbs).

<sup>2</sup> Building percentages are representative of the combined results as reported by 9th and 11th graders in the building.

N/A = Data not available

- = Data suppressed due to fewer than 10 valid student surveys

The contents of this report were developed under a grant from the United States Department of Education (Grants to States to Improve Management of Drug and Violence Prevention Programs (CFDA#84.184R)). However, those contents do not necessarily represent the policy of the United States Department of Education, and you should not assume endorsement by the Federal Government.

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