

Underage Drinking by Maryland Public School Students

University of Maryland, College Park
Alcohol Summit
October 30, 2008

Presented by
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Director
Center For Substance Abuse Research

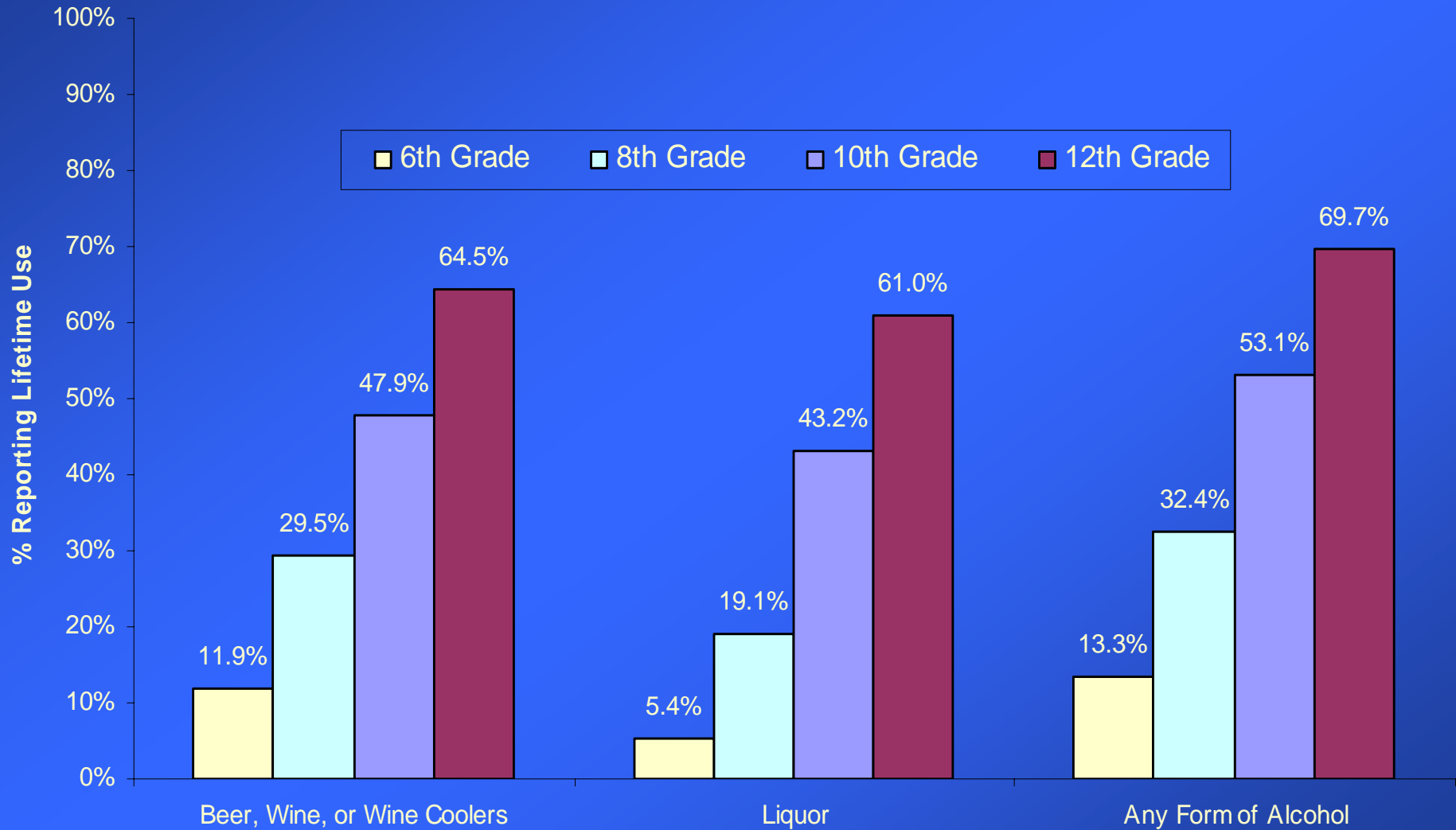
Center for Substance Abuse Research (CESAR)

- ◆ State/University partnership founded in 1990
- ◆ Receive funding from a variety of sources including GOCCP, ADAA, NIDA, NIH, ONDCP
- ◆ Monitor substance abuse and its consequences for Maryland and DC
- ◆ Current projects include epidemiology workgroups for Maryland and DC, College Life Study, Faith-based treatment, MOTHER
- ◆ Website: www.cesar.umd.edu

2004 Maryland Adolescent Survey (MAS)

- ◆ Conducted every other year by the Maryland State Department of Education (MSDE).
- ◆ Includes data on Maryland public school students enrolled in the 6th, 8th, 10th, and 12th grades from every school system in Maryland.
- ◆ Survey was administered in December, 2004.
- ◆ A total of 34,529 surveys were completed.
- ◆ Unweighted sample size, by grade:
 - ◆ 6th Grade n = 8,654
 - ◆ 8th Grade n = 8,805
 - ◆ 10th Grade n = 8,441
 - ◆ 12th Grade n = 8,629
- ◆ The latest MAS was administered in late 2007. Results from this survey should be available October 2008.

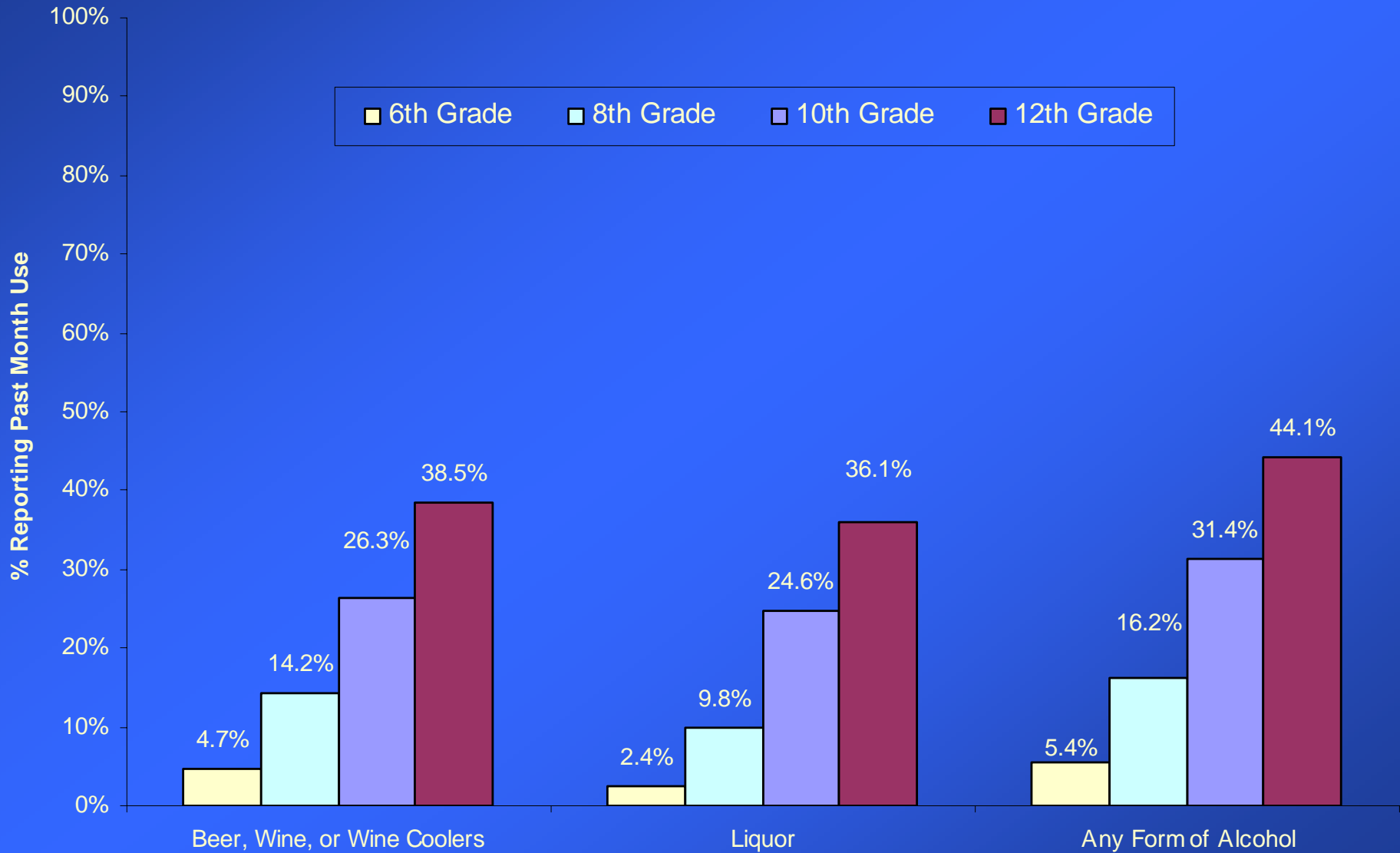
Figure 1: Lifetime Use* of Alcohol, by Grade and Type of Alcohol, 2004



* Excludes religious use of alcohol or situations in which respondent took a sip from an adult's drink.

Source: Adapted by CESAR from the 2004 MAS, MSDE.

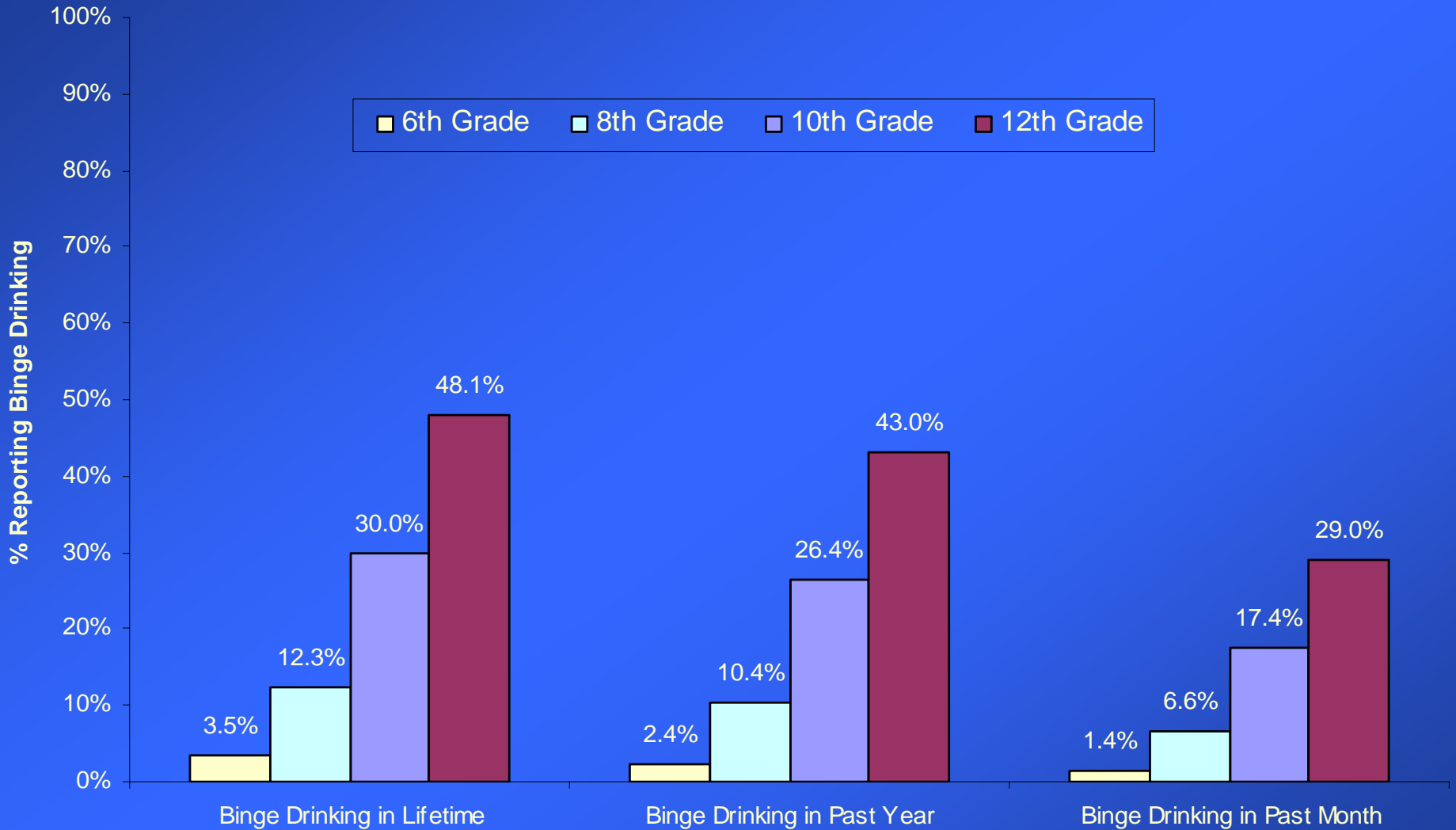
Figure 2: Past Month Use of Alcohol, by Grade and Type of Alcohol, 2004



* Excludes religious use of alcohol or situations in which respondent took a sip from an adult's drink.

Source: Adapted by CESAR from the 2004 MAS, MSDE.

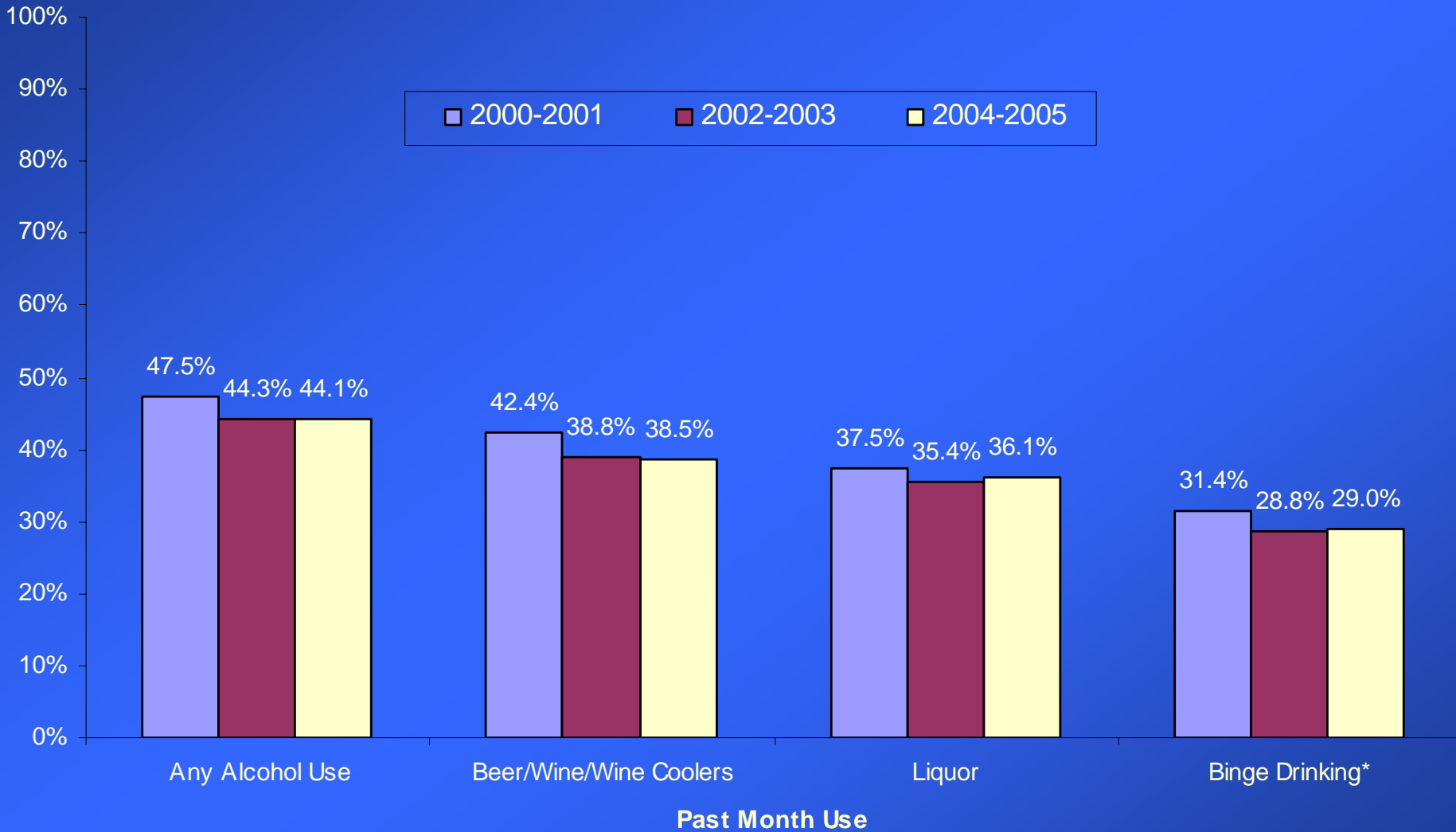
Figure 3: Binge Drinking* in Lifetime, Past Year, and Past Month, by Grade, 2004



*Binge Drinking is defined as consuming five or more servings of alcohol on the same occasion (a serving is one bottle of beer, one glass of wine, one wine cooler, one shot glass of liquor, or one mixed drink).

Source: Adapted by CESAR from the 2004 MAS, MSDE.

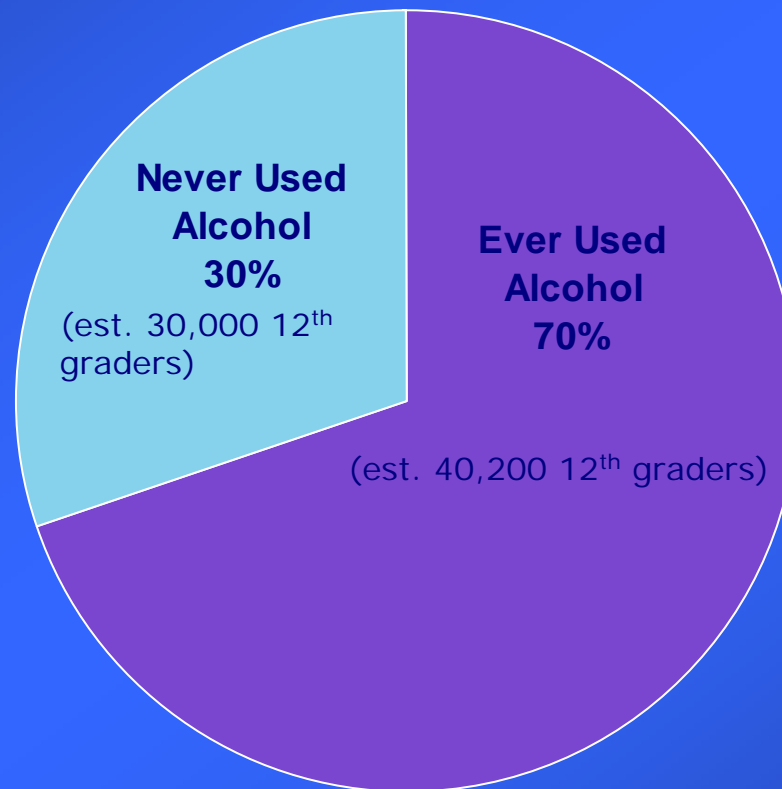
Figure 4: Trends in Past Month Alcohol Use Among 12th Graders has Remained Stable Since 2000-01



*Binge Drinking is defined as consuming five or more servings of alcohol on the same occasion (a serving is one bottle of beer, one glass of wine, one wine cooler, one shot glass of liquor, or one mixed drink).

Source: Adapted by CESAR from the 2001, 2002, and 2004 MAS, MSDE.

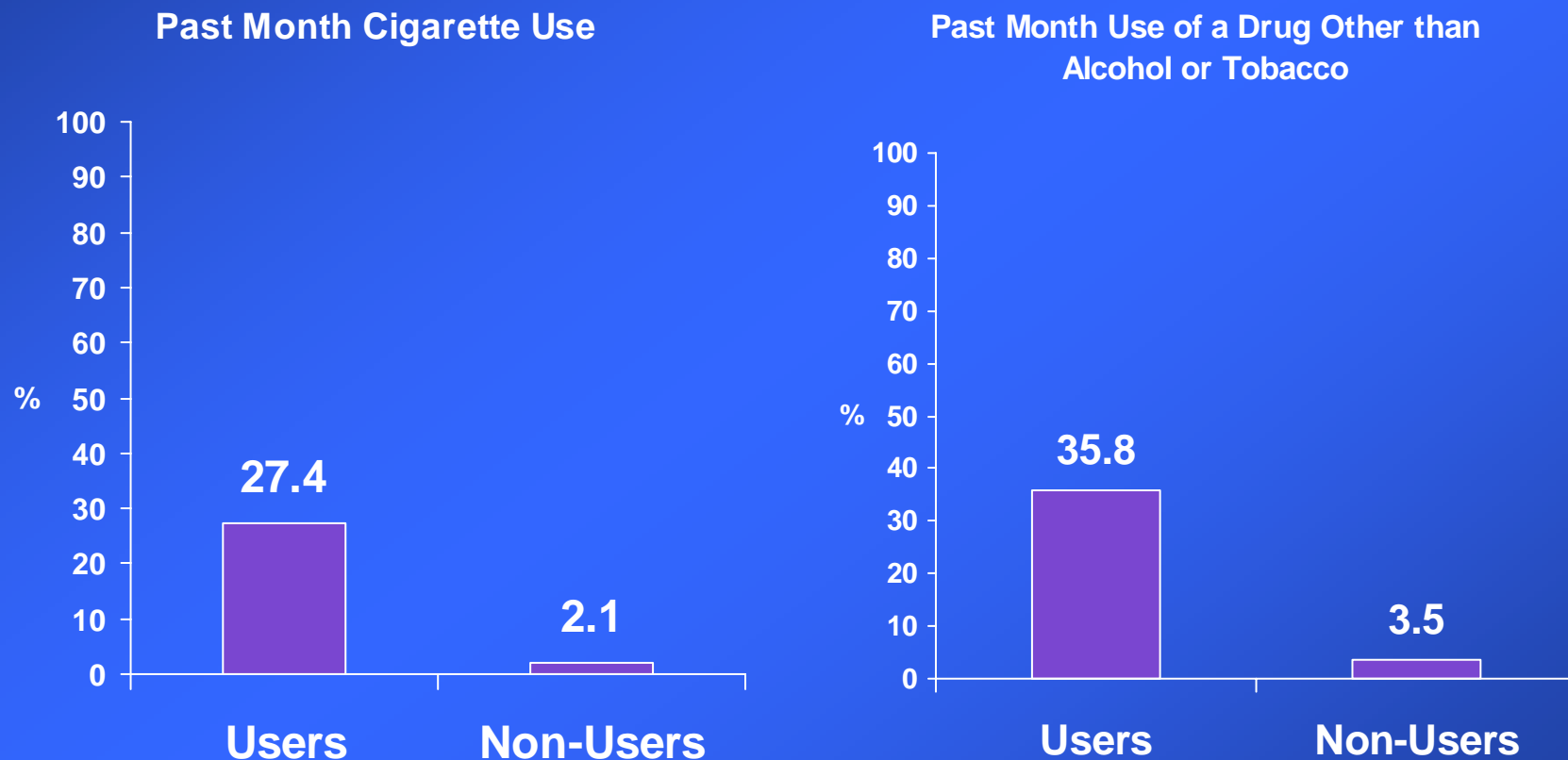
Figure 5: Percentage of Maryland 12th Graders Who Used Alcohol at Least Once in Their Lifetime, 2004



* Excludes religious use of alcohol or situations in which respondent took a sip from an adult's drink

Source: Adapted by CESAR from the 2004 MAS, MSDE.

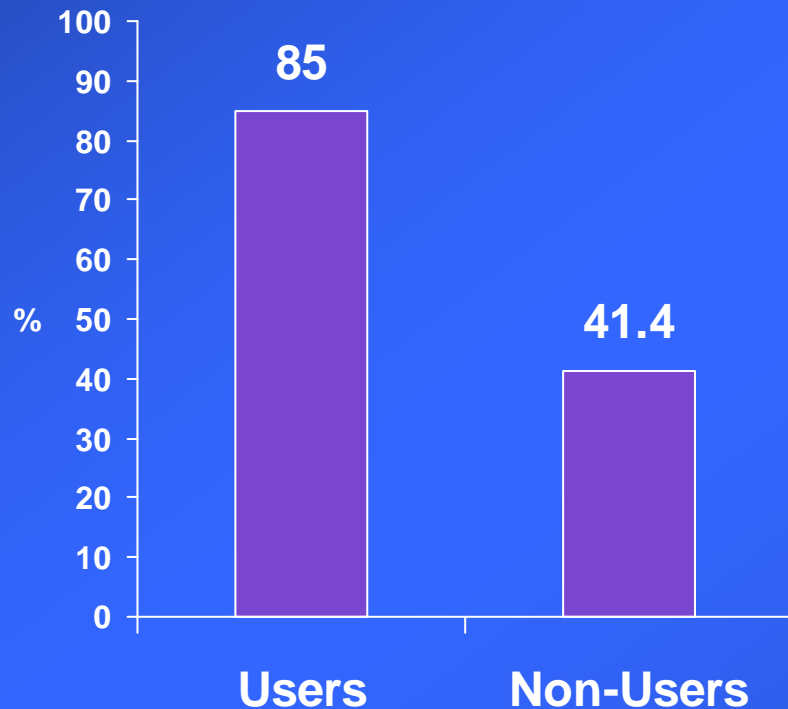
Figure 6: Compared with Non-Users, 12th Graders Who Used Alcohol were 10 Times More Likely to Smoke Cigarettes or Use a Drug Other Than Alcohol or Tobacco in the Past Month



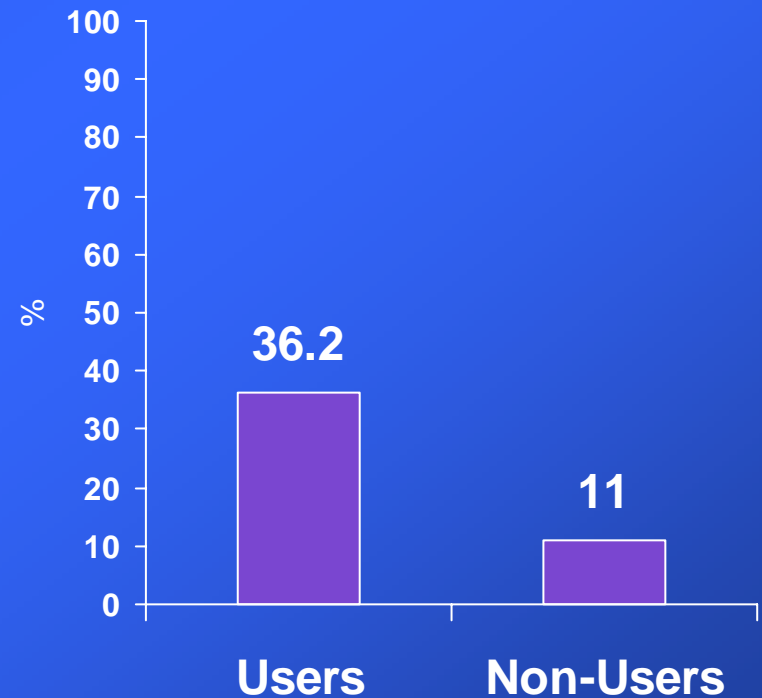
Source: Adapted by CESAR from the 2004 MAS, MSDE.

Figure 7: Compared with Non-Users, 12th Graders Who Used Alcohol Were 2 to 3 Times More Likely to Think Their Friends/Parents Believe It's OK for Respondent to Drink

% Who Think Their Friends Believe It's OK to Drink

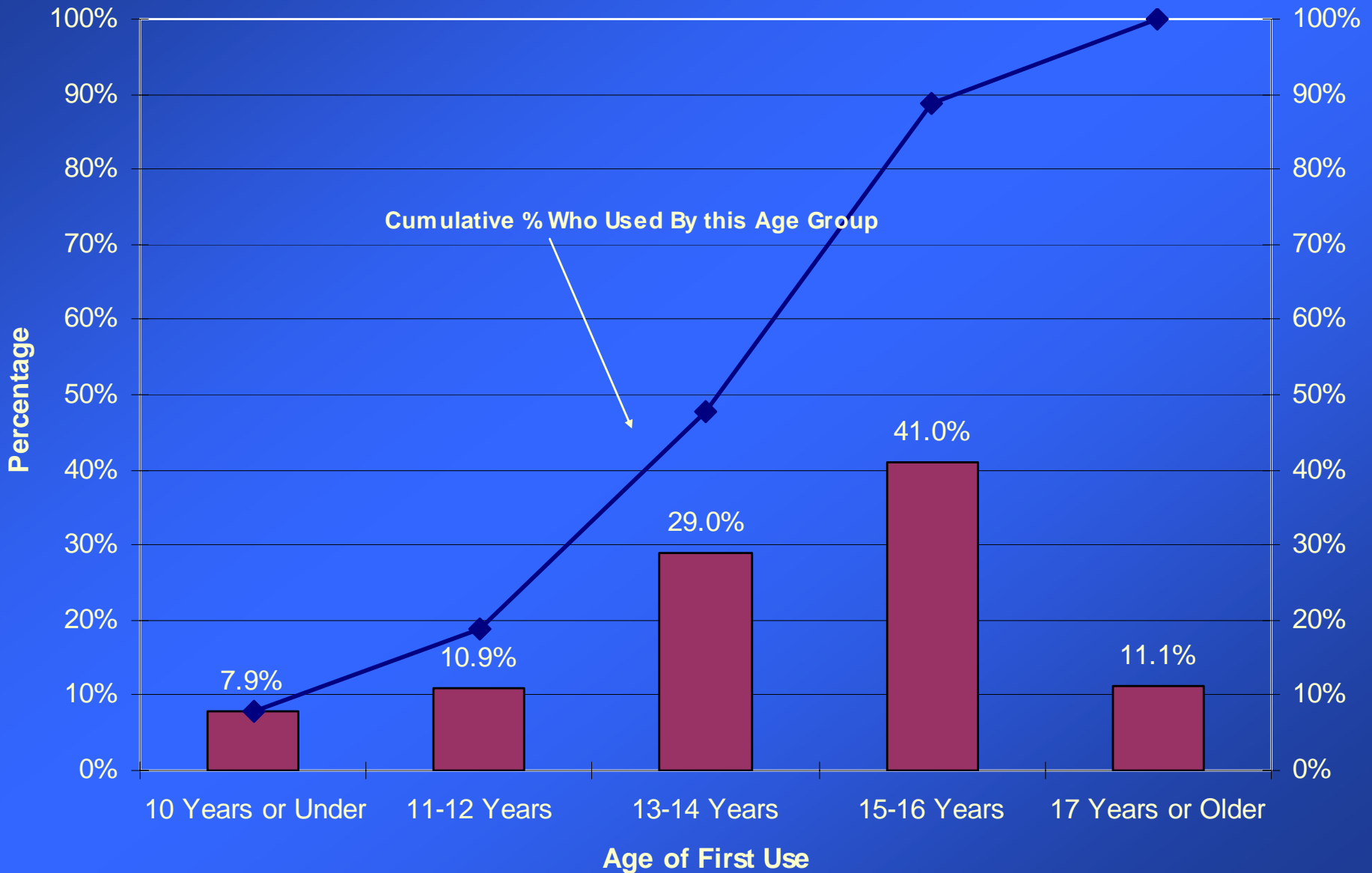


% Who Think Their Parents Believe It's OK to Drink



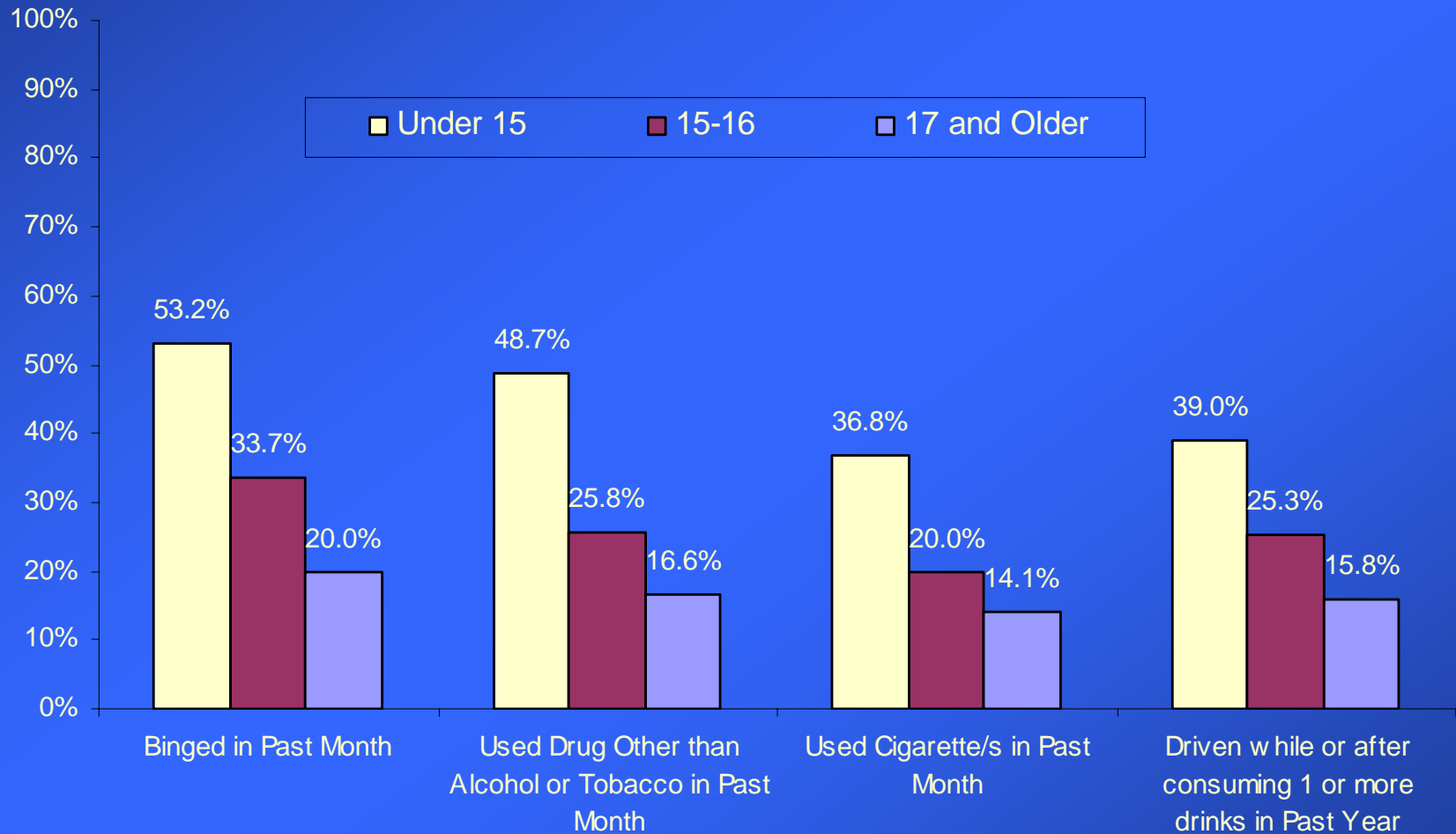
Source: Adapted by CESAR from the 2004 MAS, MSDE.

Figure 8: About One Half of 12th Grade Alcohol Users Began Drinking By Age 15



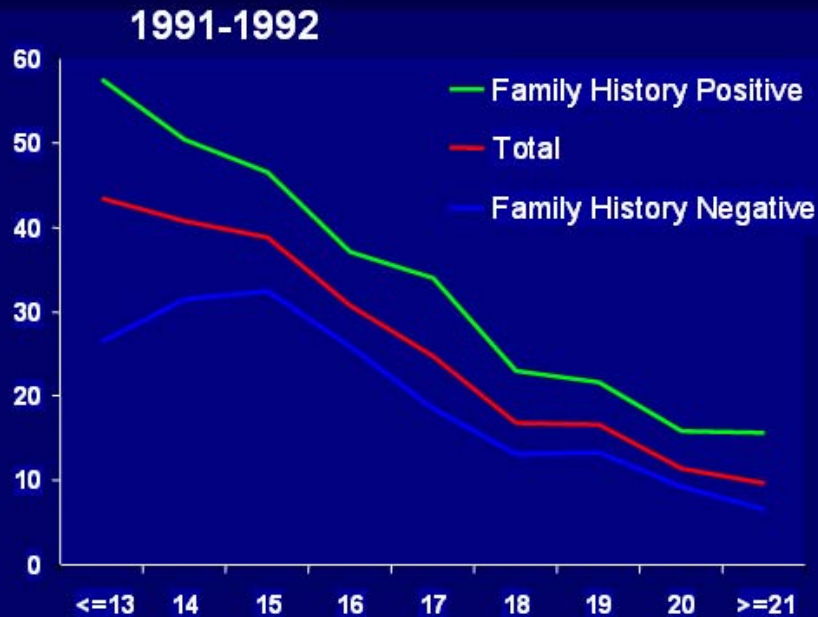
Source: Adapted by CESAR from the 2004 MAS, MSDE.

Figure 9: The Earlier Students Began Drinking, the More Likely They Were to have Engaged in Problem Alcohol and Other Drug Behaviors



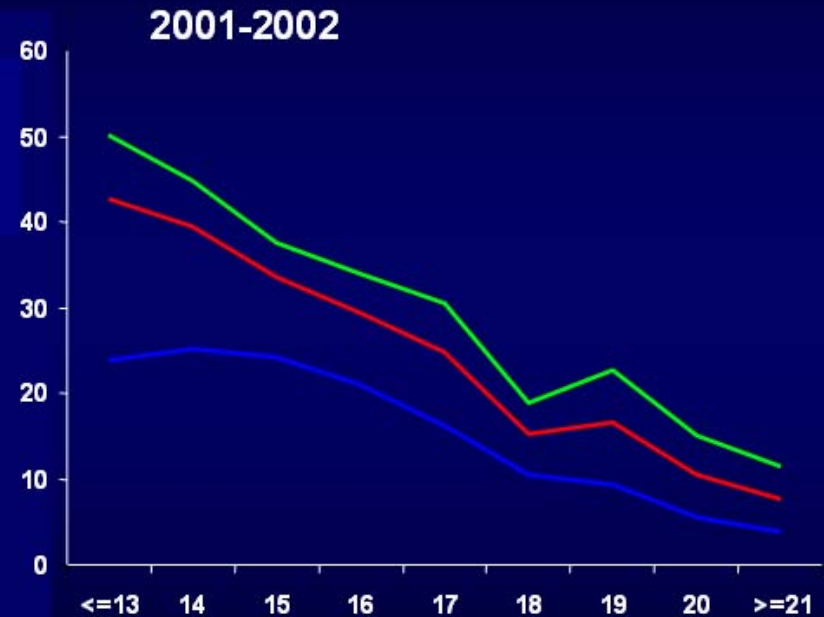
* Binge Alcohol Use refers to consuming five or more servings of alcohol on the same occasion (a serving is one bottle of beer, one glass of wine, one wine cooler, one shot glass of liquor, or one mixed drink).

Prevalence of Lifetime Alcohol Dependence by Age of First Alcohol Use



Age at First Alcohol Use

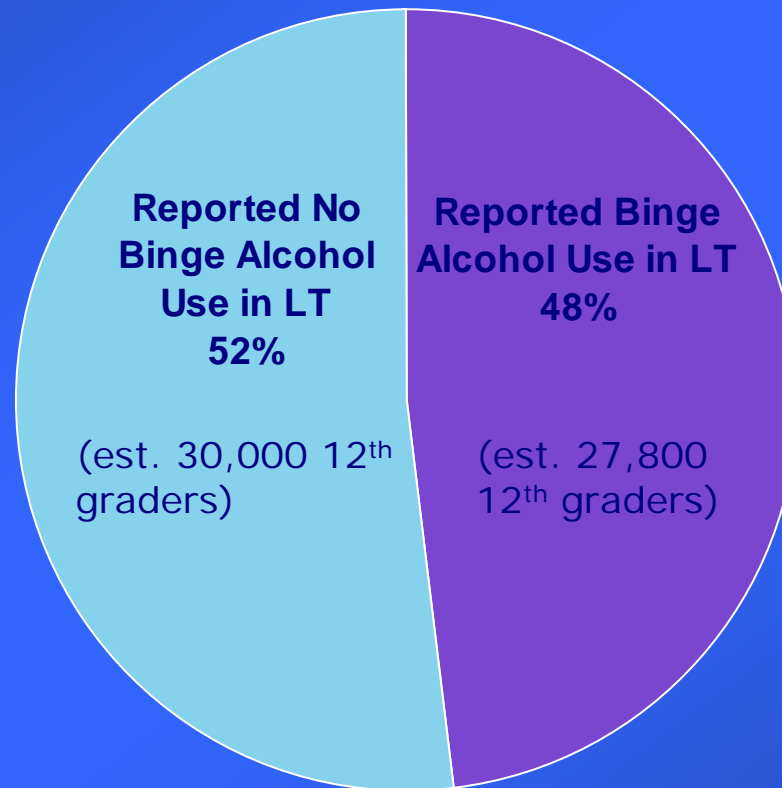
Source: Grant and Dawson. *J Subst Abuse*. 1998. 10(2):163-73.



Age at First Alcohol Use

Source: 2001-2002 National Epidemiologic Survey on Alcohol and Related Conditions

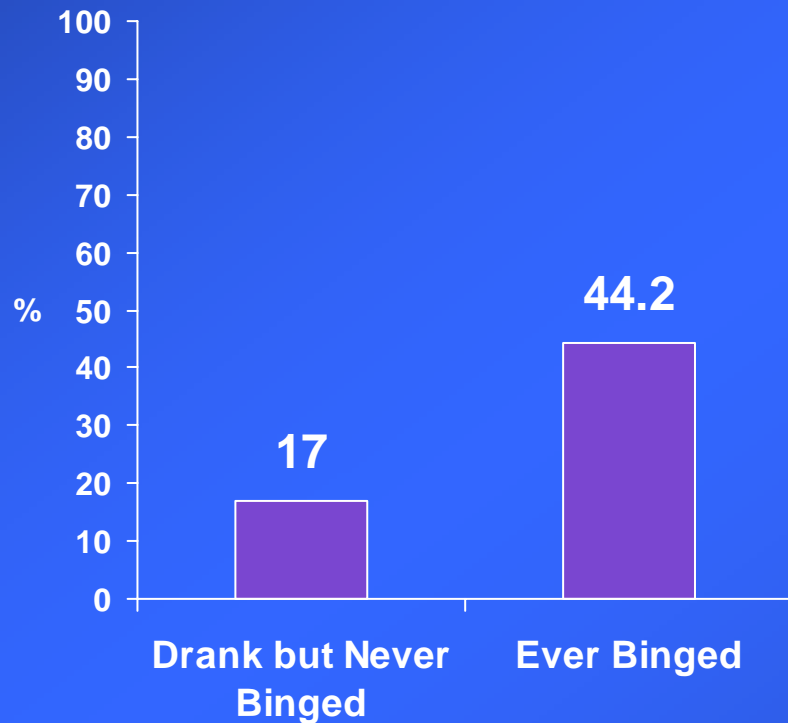
Figure 10: Percentage of Maryland 12th Graders Who Reported Binge Drinking* at Least Once in Their Lifetime, 2004



* Binge Alcohol Use refers to consuming five or more servings of alcohol on the same occasion (a serving is one bottle of beer, one glass of wine, one wine cooler, one shot glass of liquor, or one mixed drink).

Figure 11: Binge Drinkers Were 2 to 4 Times More Likely Than Non-Binge Drinkers to Use a Drug Other Than Alcohol or Tobacco or to Drive After Drinking

Past Month Use of a Drug Other Than Alcohol or Tobacco



Drove While or After Consuming 1 or More Drinks in the Past Year

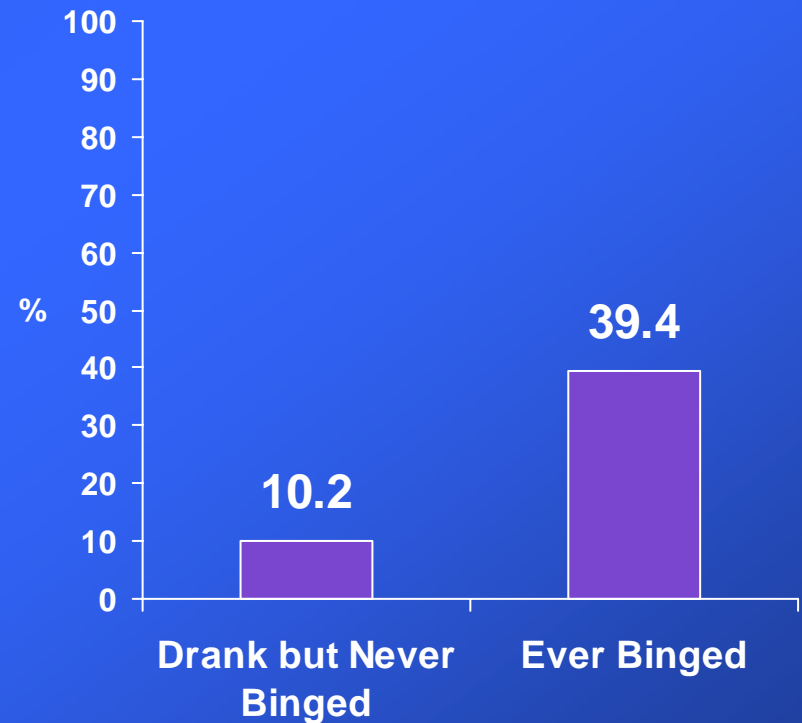
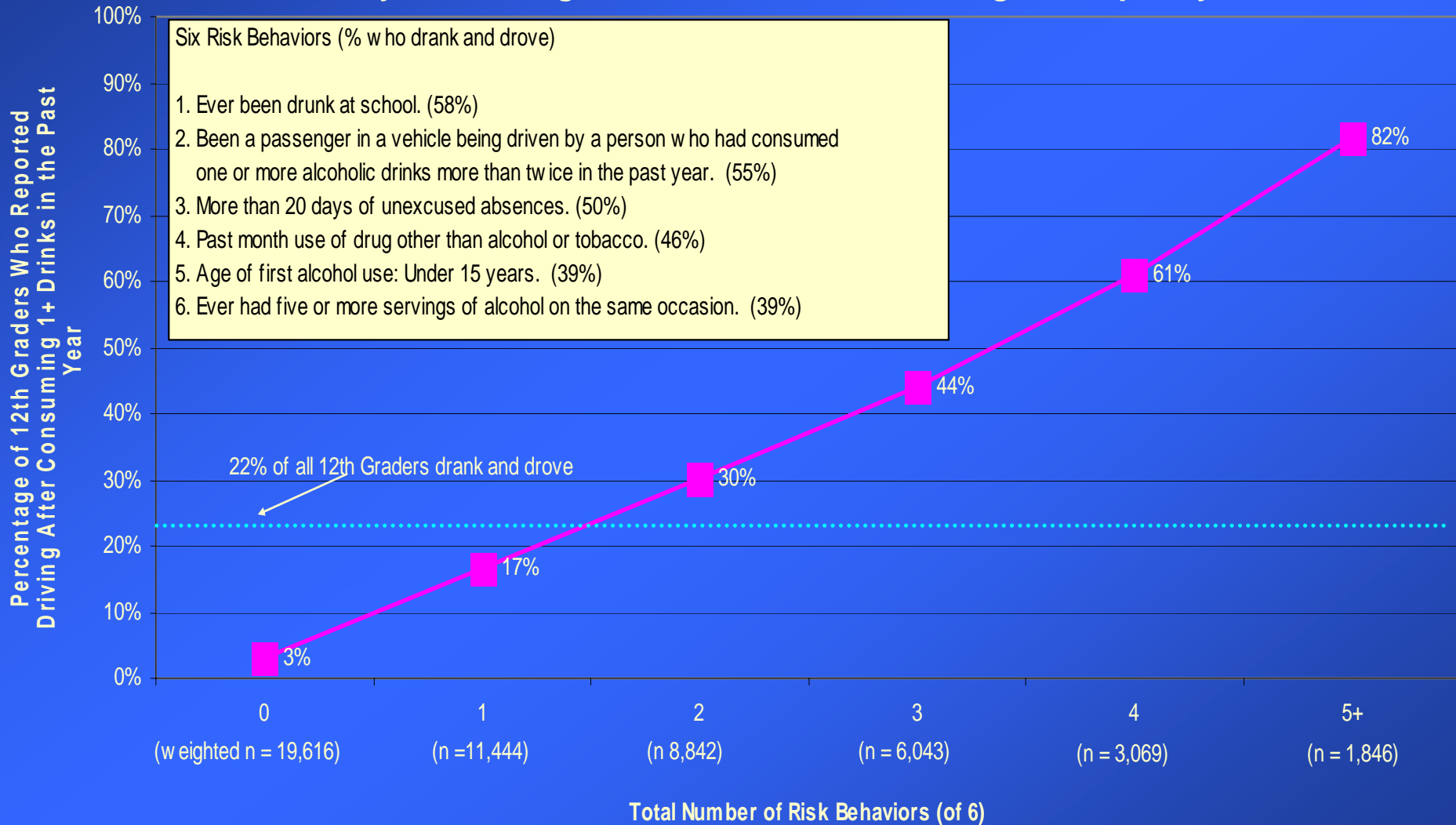


Figure 12: The more risk behaviors (of 6), the greater the likelihood that Maryland 12th graders drove after drinking in the past year



Source: Adapted by CESAR from the 2004 MAS, MSDE.



Wasting the Best and the Brightest

Most College Students Who Use Alcohol, Cigarettes or Other Drugs Started Before College

	Started before college (%)
Alcohol	74.5
Cigarettes	81.4
Illicit drugs	75.4
Prescription drugs	55.8*

Sources: CASA's analysis of the 2005 National Survey on Drug Use and Health; *Shinew, K.J.; Parry, D. C. (2005)*

* Started before age 18.

Summary/Implications

- ◆ Almost 70% of 12th graders ever drank alcohol and users were more likely to believe that their friends and parents approved of their drinking.
- ◆ Almost one half of 12th grade alcohol users began drinking prior to age 15, and these early users were most likely to have alcohol and other drug-related problems.
- ◆ Almost one-half of 12th grade users had binged and about 40% of the bingers had driven after drinking.
- ◆ There are a number of early risk factors that could be used to identify and intervene with youth most at risk for drinking and driving.
- ◆ Colleges and universities inherit a population of students who arrive with established patterns of alcohol use and related problems.

