

**The Consumption and Consequences of  
Alcohol, Tobacco, and Drugs in Porter County:  
A Local Epidemiological Profile  
2010**

**Local Epidemiology and Outcomes Workgroup**

**Strategic Planning Framework – Strategic Initiation Grant  
SPF-SIG**

# The Community Research and Service Center

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Valparaiso  
University

**CRSC**

**Community Research & Service Center**

**Educating a New Generation of Civic Leaders**

**& Making a Difference in Northwest Indiana**

## **Purpose**

**Focus of grant is on alcohol use among 18-25 year olds**

**Use begins earlier and relates to other drugs as well.**

**Develop systematic body of data on drug use in Porter County**

**Develop infrastructure and partnerships to continue to develop and refine this data**

**To help support and develop evidence based programs**

## **Data Sources**

- ✓ **Alcohol, Tobacco, and Other Drug Use by Indiana Children and Adolescents (ATOD) Survey, 2008, 2009**
- ✓ **Hospital Discharge Data**
- ✓ **Porter-Starke Services Treatments**
- ✓ **Treatment Episode Data Set (TEDS)**
- ✓ **Fatality Analysis Reporting System (FARS) Data and Automated Reporting Information Exchange System (ARIES)/Vehicle Crash Record System (VCRS)**
- ✓ **Drug Abuse Warning Network (DAWN) Data**
- ✓ **Adult Probation**
- ✓ **Juvenile Probation**
- ✓ **Arrest Data**
- ✓ **College Age Survey**
- ✓ **Porter County Coroner's Reports**
- ✓ **State Epidemiological Study, 2008, 2009**

# Last Year's Report

## Putting it All Together

### Substance Related Problems

Alcohol/drug related deaths

High Illegal Activity

High Demand for Treatment

High Rates of Hospitalization

High Rates of Accidents

### Substance Use

Extremely High Prevalence Rates for Youth

“Culture of Consumption”

### Contributing Factors

Low Perception of Risk

Perceived Peer Approval

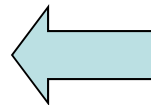
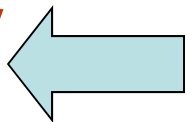
“Weak” Perceived Parental Disapproval

Community Acceptance

Availability

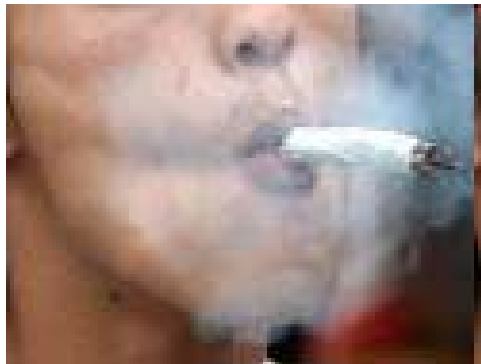
Unsupervised Activities

Low Program Participation



# This Year's Report

**Confirms results from last year and if Anything, the Figures this Year Indicate Increases with Most Drugs**



## Current and Future Reports

✓ Difficulty comparing ATOD data 2008 v 2009

✓ Some Data not available this year

✓ New Data:

College Age survey

Porter County Arrests

✓ Future Data:

More university involvement

Improvements in probation data

Data from this year available

# **Overall Reported Use of Drugs: ATOD Survey**

- ✓ **Focus on 12<sup>th</sup> graders as example**
- ✓ **Monthly Prevalence Rates**
- ✓ **Annual Prevalence Rates**
- ✓ **Compare to State Averages**
  - **Monthly**
  - **Annual**

**College Age Student data**

**Much emphasis on ATOD survey and schools  
because it is excellent data**

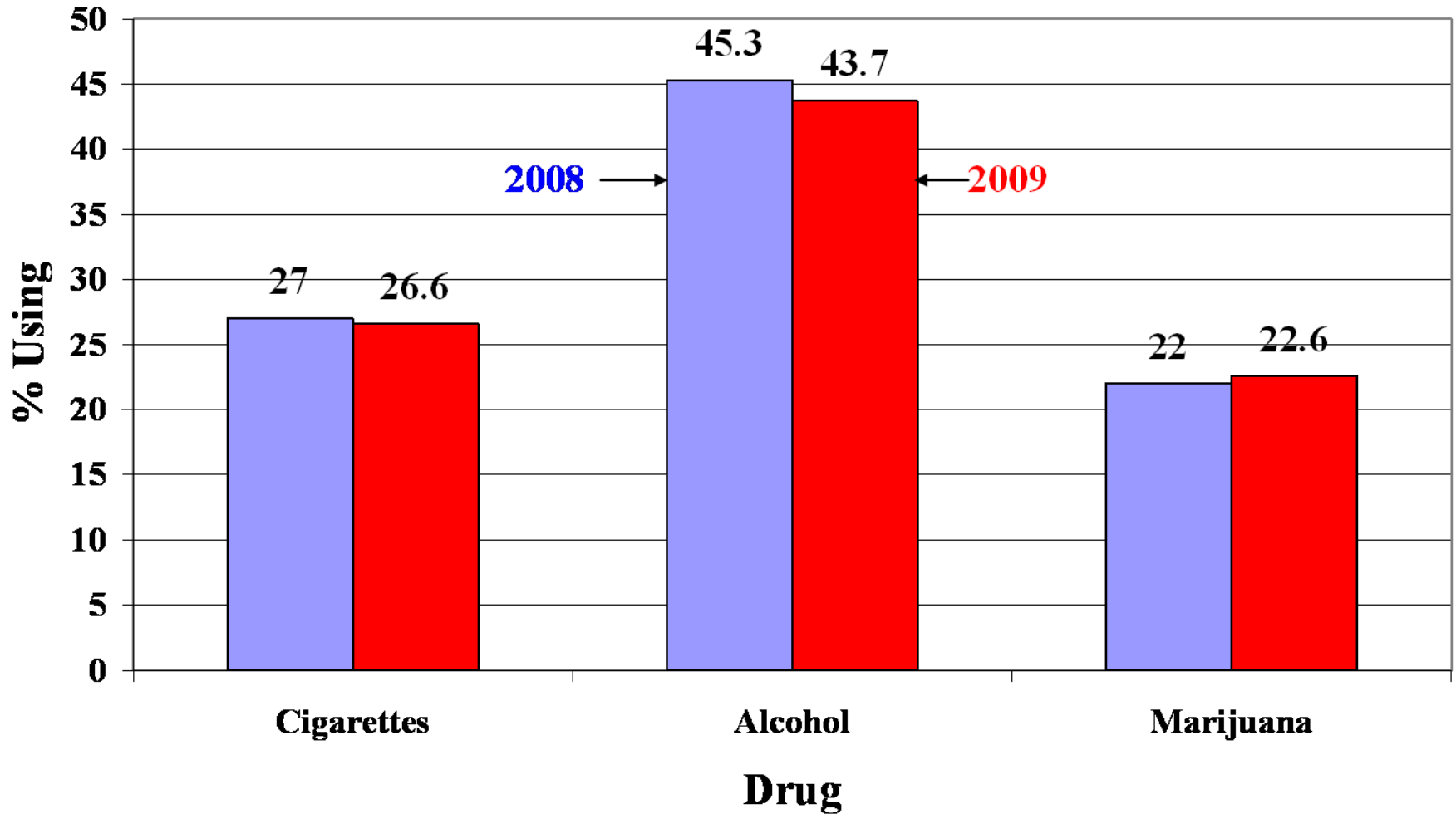
**Very thankful for school's participation**

**But this is not a school problem it is a**

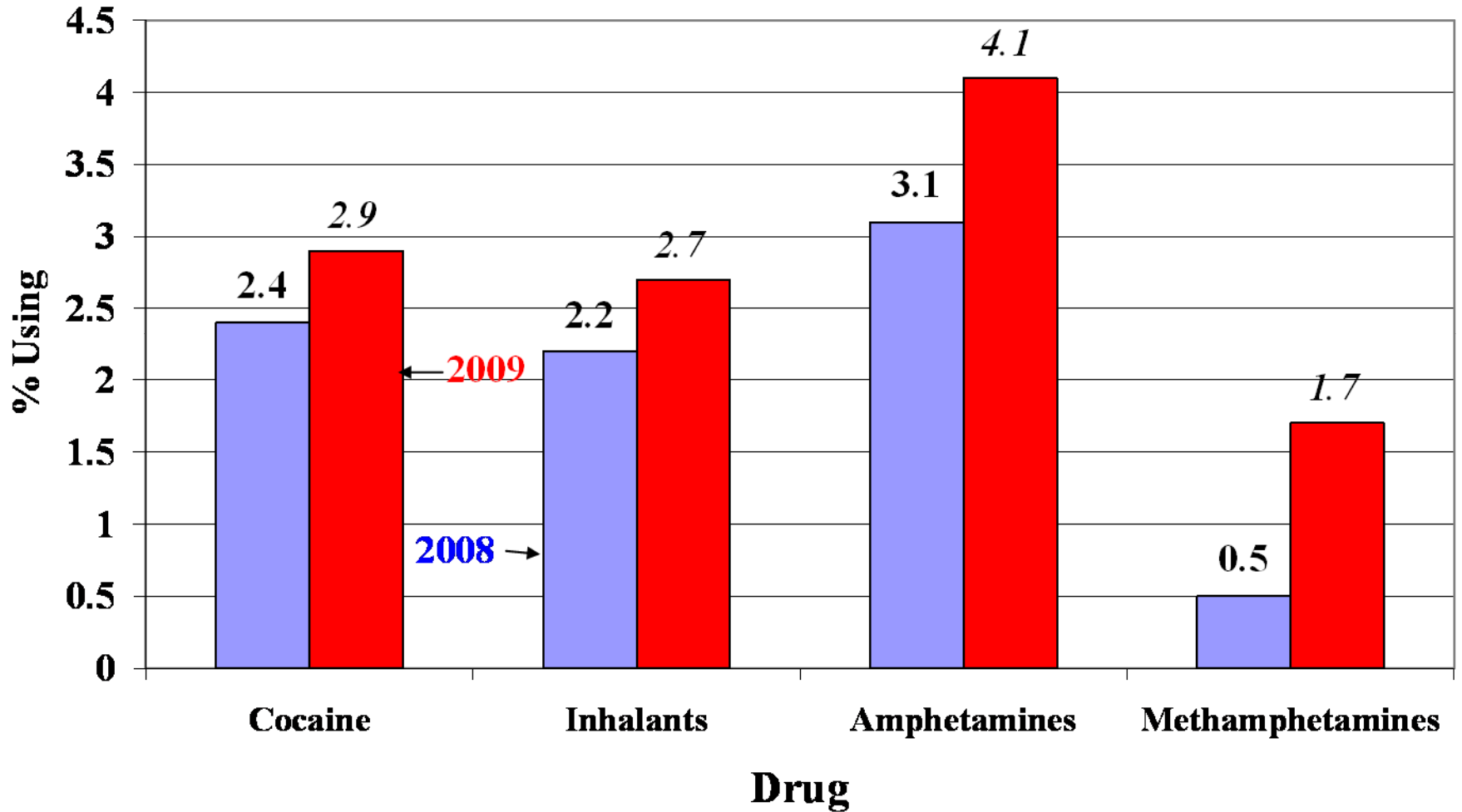
**Community Problem**

# Did you use this drug in the past month?

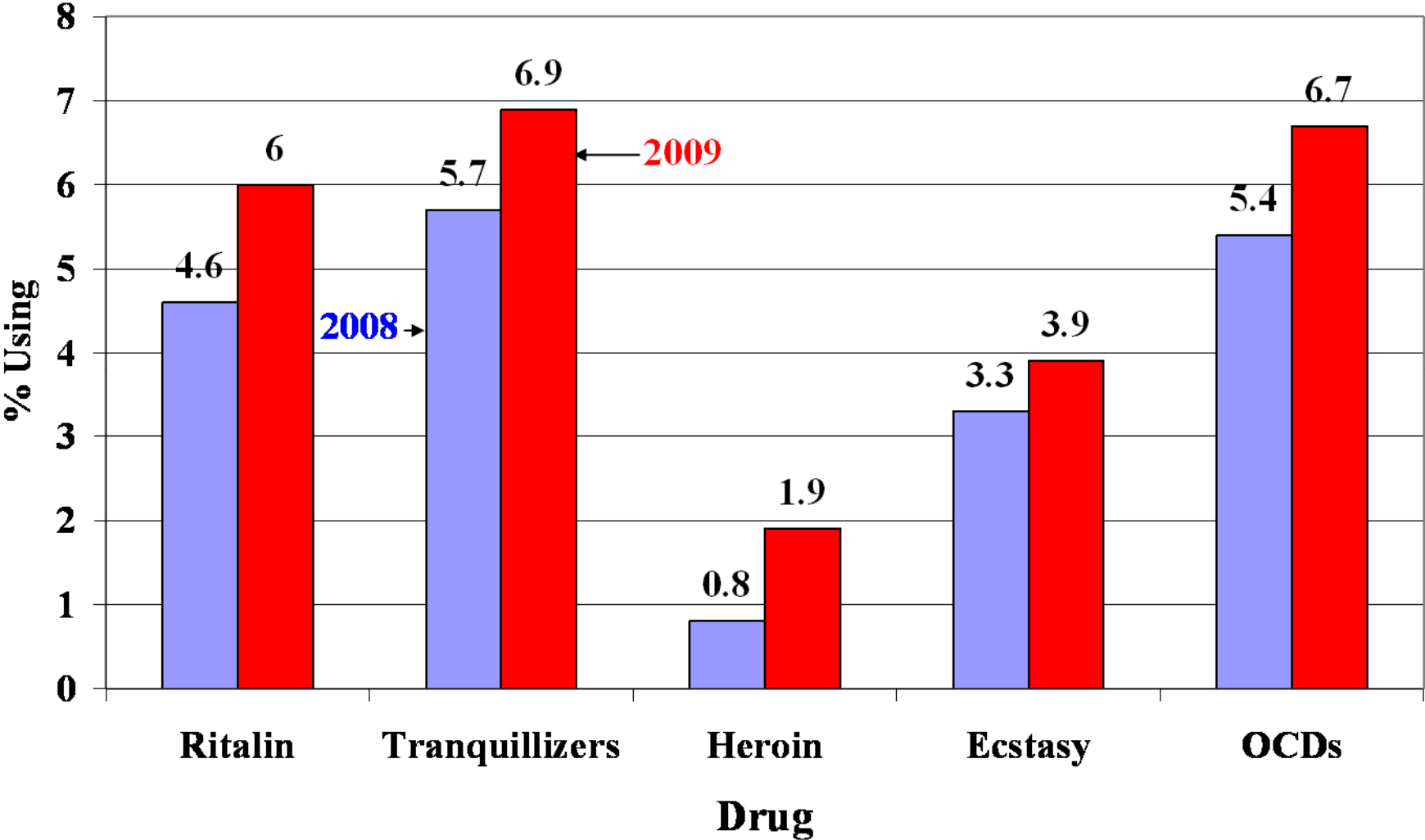
12th Graders Monthly Use  
ATOD 2008, 2009



**12 Graders Monthly Use  
ATOD 2008, 2009**

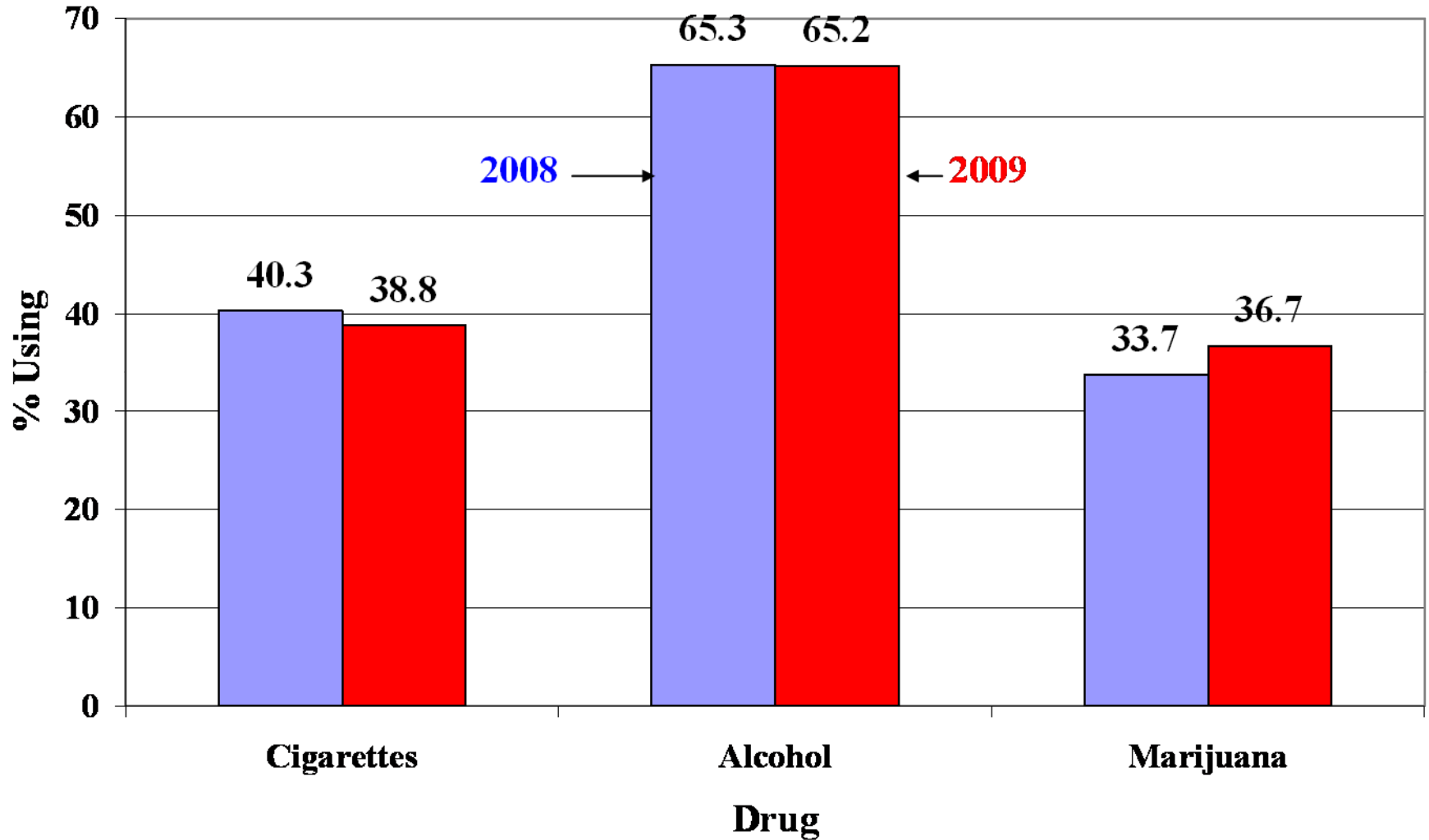


### 12th Graders Monthly Use

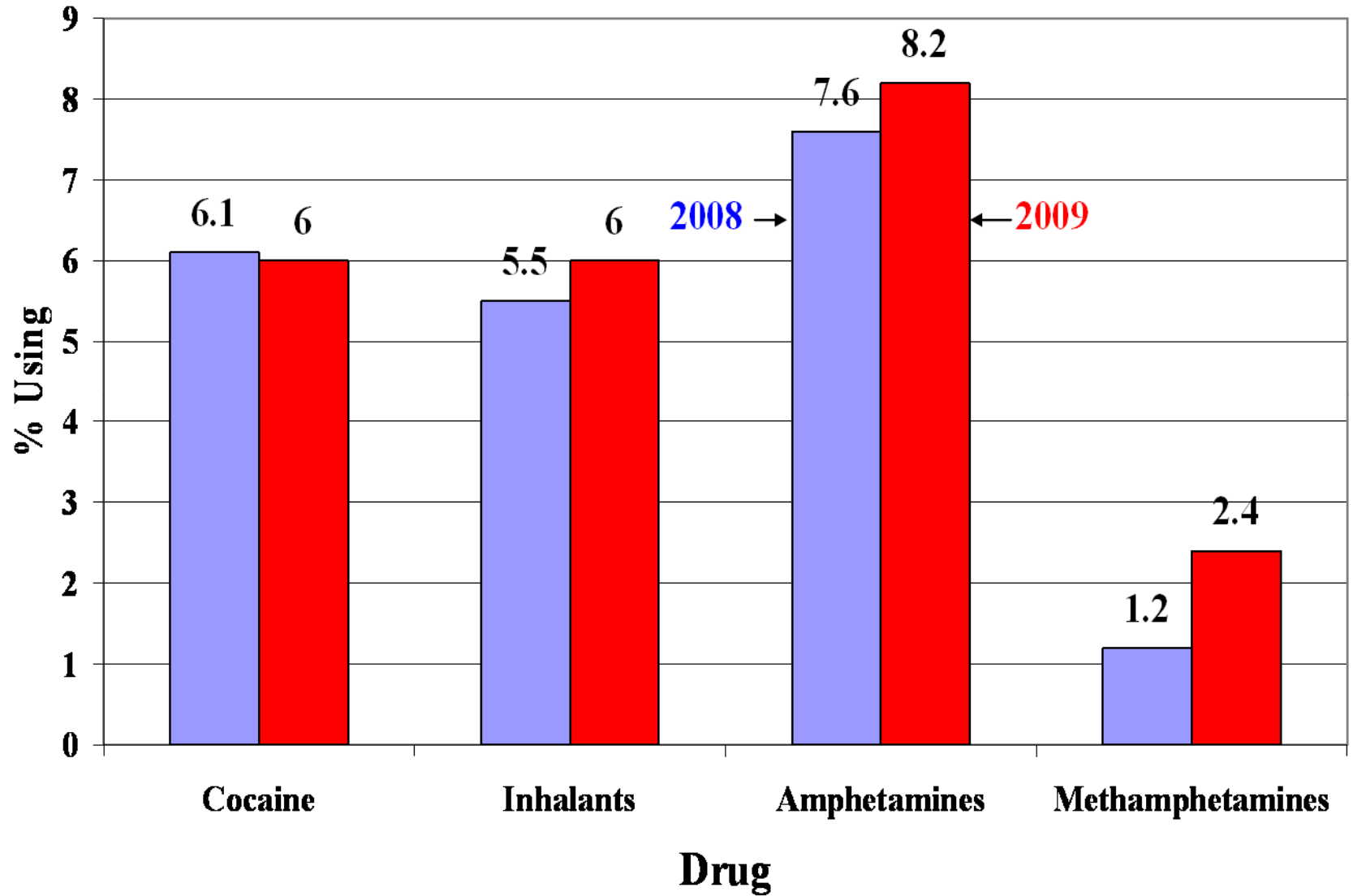


# Did you use this drug in the past Year?

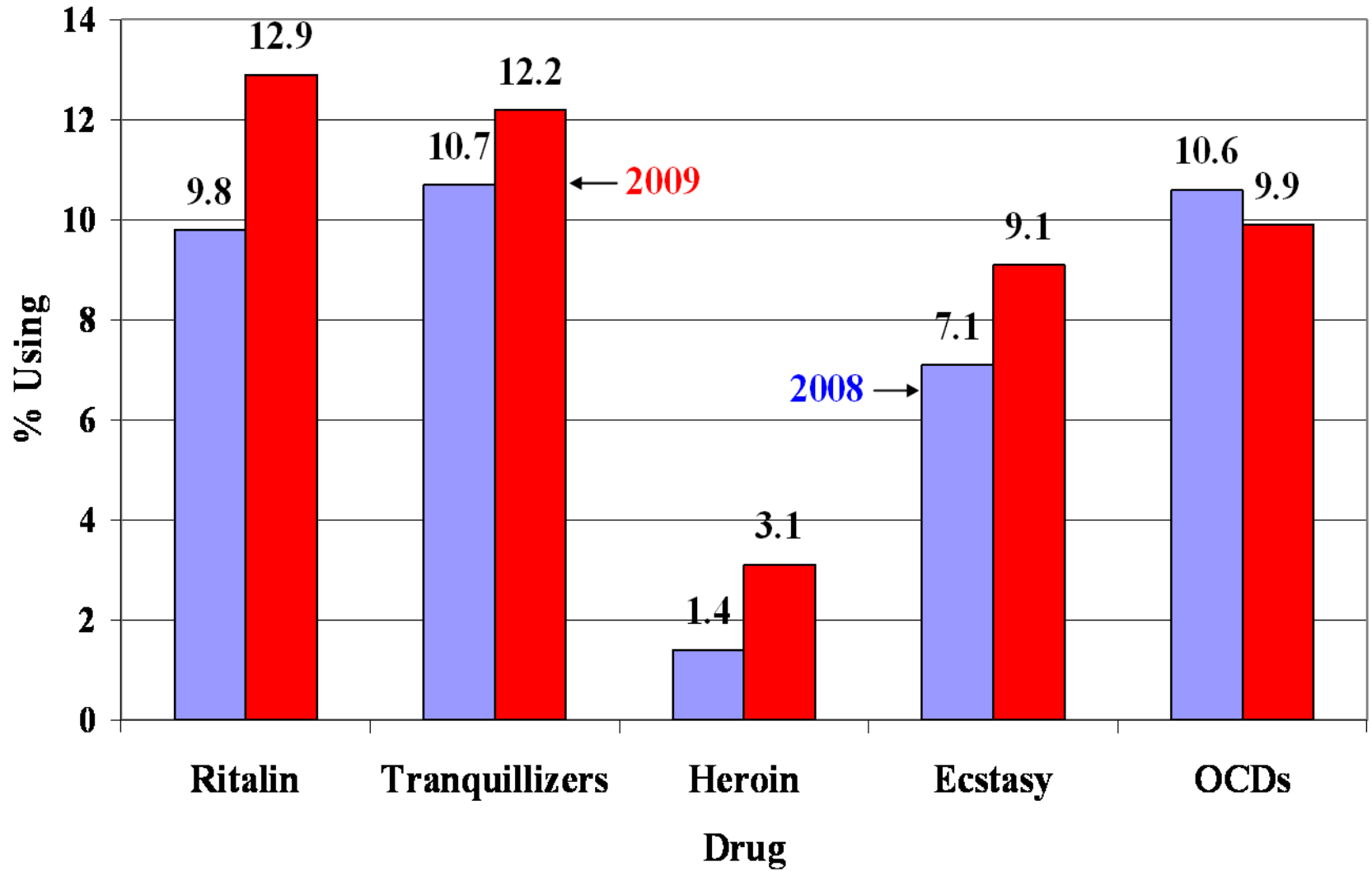
## 12th Graders Annual Use



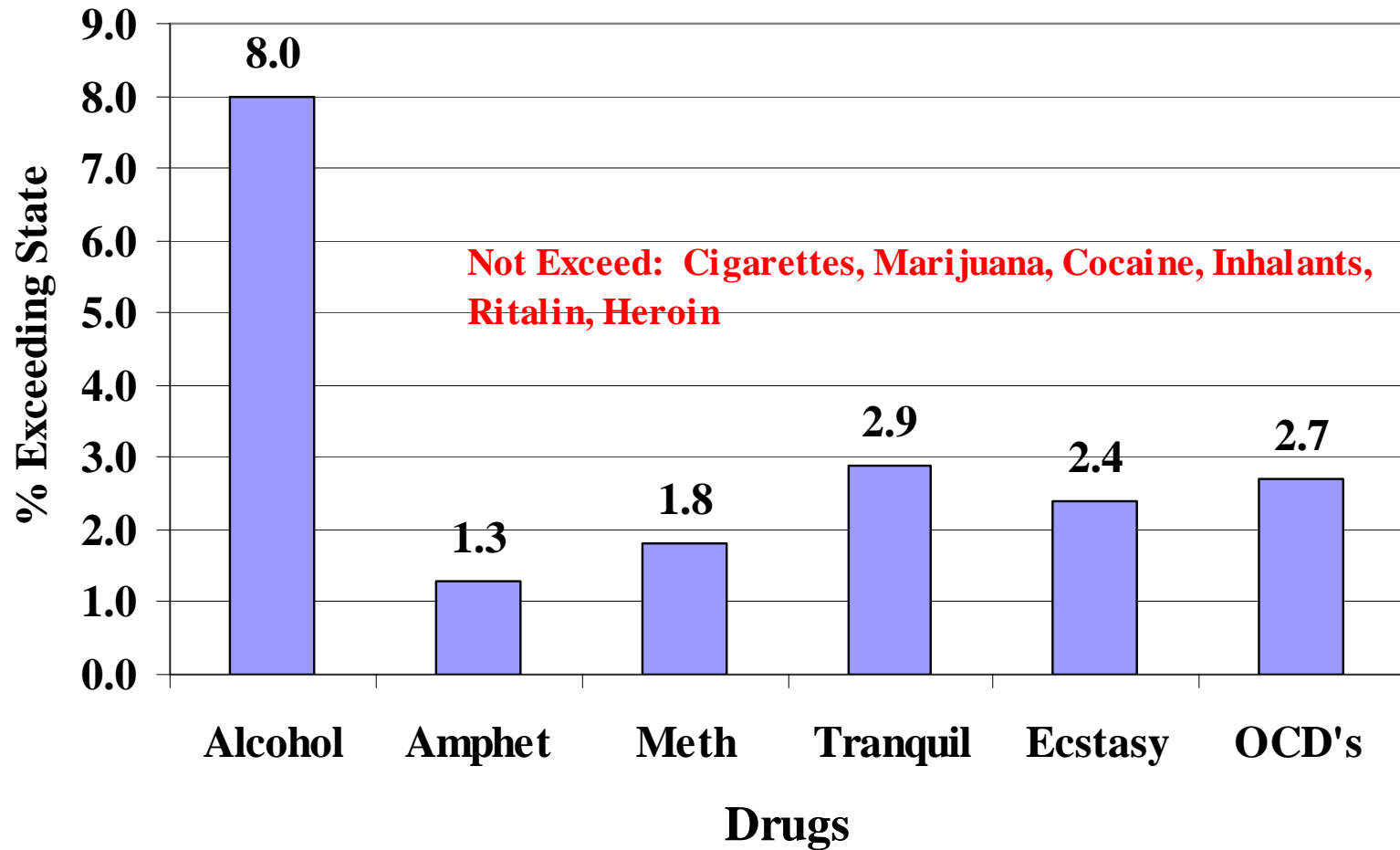
### 12th Graders Annual Use



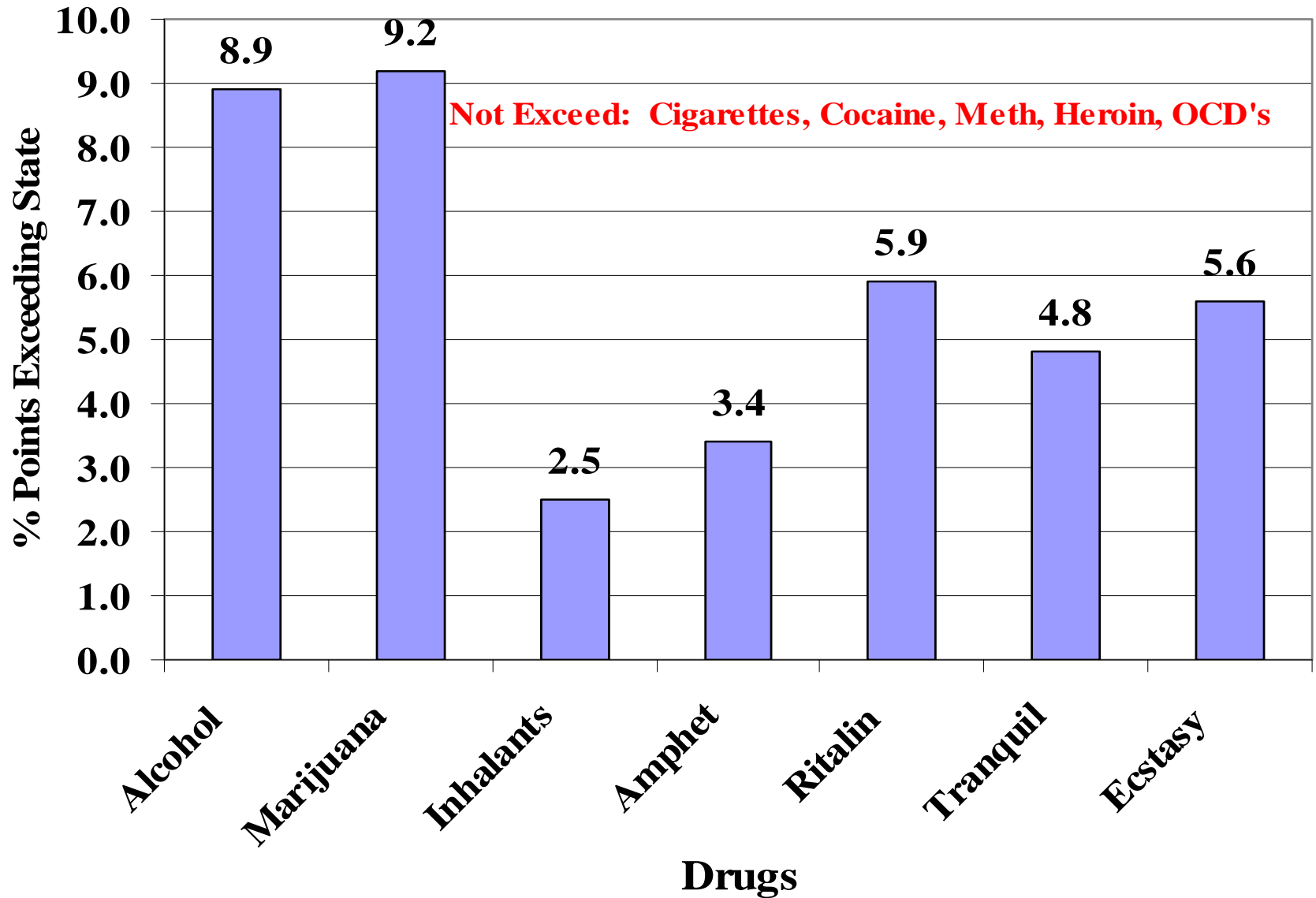
# 12th Graders Annual Use



# Percentage Points Exceeding State Averages Porter County 12th Graders Monthly Use 2009



# Percentage Points Exceeding State Averages Annual Use 2009: 12th Graders



# Overall Comparison to State Averages

**Daily prevalence rates were higher than the state rates for**  
**binge drinking** (7th, 8th, 9th, 10th, and 11th)  
**marijuana** (8th)

**Monthly prevalence rates were higher than the state rates for**  
**cigars** (8th and 10th)  
**pipes** (8th, 11th, and 12th)  
**alcohol** (7th, 8th, 10th, 11th and 12th)  
**marijuana** (8th, 9th, 10th, and 11th)  
**methamphetamines** (8th, 10th, 11th, and 12th)  
**Ritalin** (7th, 8th, 9th, 10th, 11th, 12th)  
**MDMA** (8th, 10th, 11th, and 12th)  
**Over the Counter Drugs** (7th, 8th, 9th, 10th, 11th, and 12th)

**Annual prevalence rates were higher than the state rates for**

**Cigarettes (8th, 9th, 10th, and 11th)**

**pipes (8th, 11th, and 12th)**

**alcohol (7th, 8th, 9th, 10th, 11th and 12th)**

**marijuana (8th, 9th, 10th, 11th, and 12th)**

**amphetamines (7th, 8th, 9th, 10th, 11th, and 12th)**

**Ritalin (8th, 9th, 10th, 11th, 12th)**

**Tranquilizers (7th, 8th, 9th, 10th, 11th, and 12th)**

**MDMA (8th, 9th, 10th, 11th, and 12th)**

**Over the Counter Drugs (7th, 8th, 9th, 10th, and 11th)**

## **Lifetime prevalence rates were higher than the state rates for**

**Cigarettes** (8th and 11th)

**pipes** (8th, 10th, 11th, and 12th )

**alcohol** (7th, 8th, 9th, 10th, 11th and 12th)

**marijuana** (8th, 9th, 11th, and 12th)

**amphetamines** (7th, 8th, 10th, 11th, and 12th)

**Ritalin** (8th, 9th, 10th, 11th, 12th)

**Tranquilizers** (8th, 9th, 10th, 11th, and 12th)

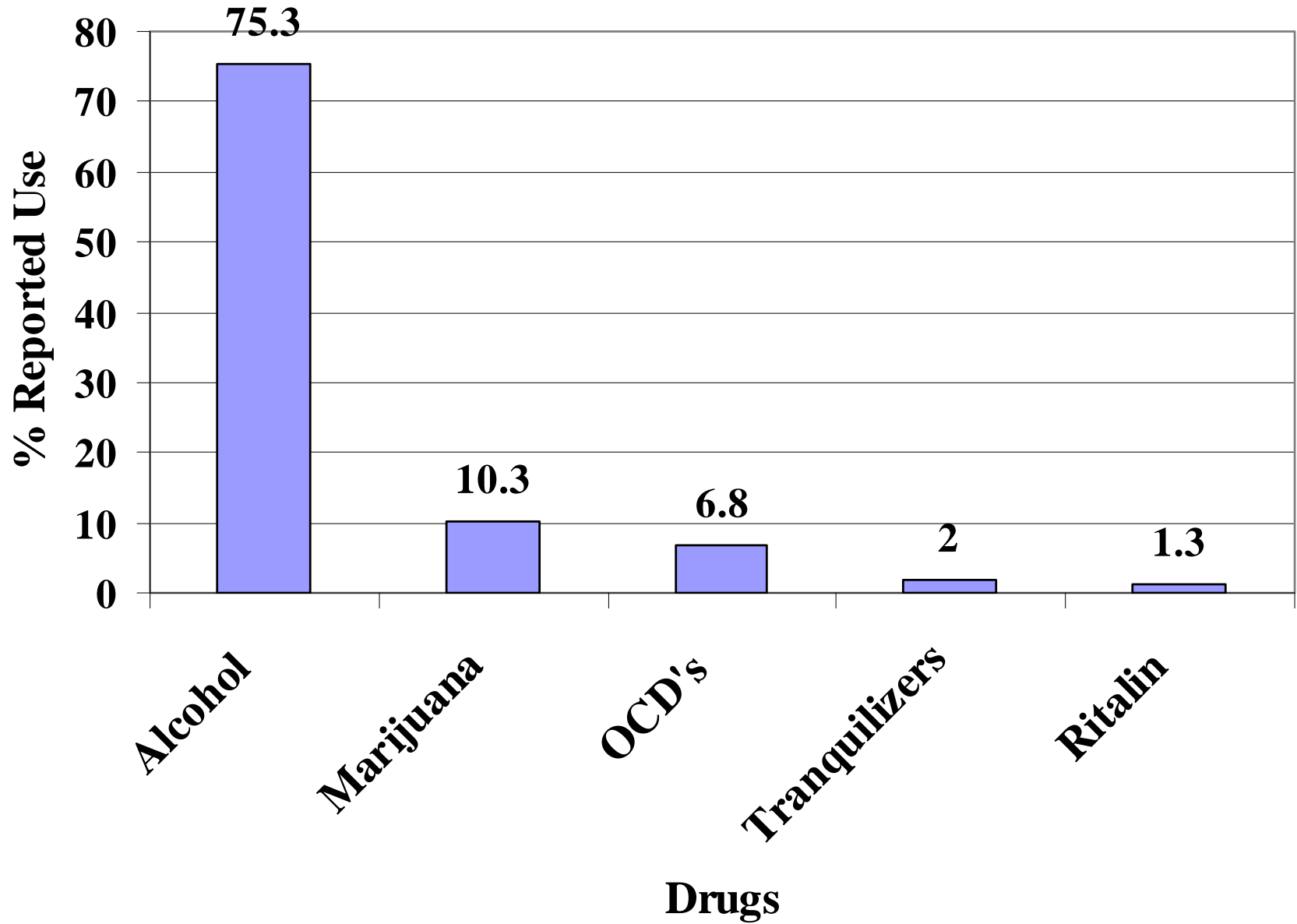
**MDMA** (8th, 9th, 10th, 11th, and 12th)

**Overt the Counter Drugs** (7th, 8th, 9th, 10th, 11th, and 12th)

## **Lifetime prevalence rates were lower than the state rates for**

smokeless tobacco (7th, 8th, and 12<sup>th</sup>)

## Monthly Use of Drugs: College Student Survey

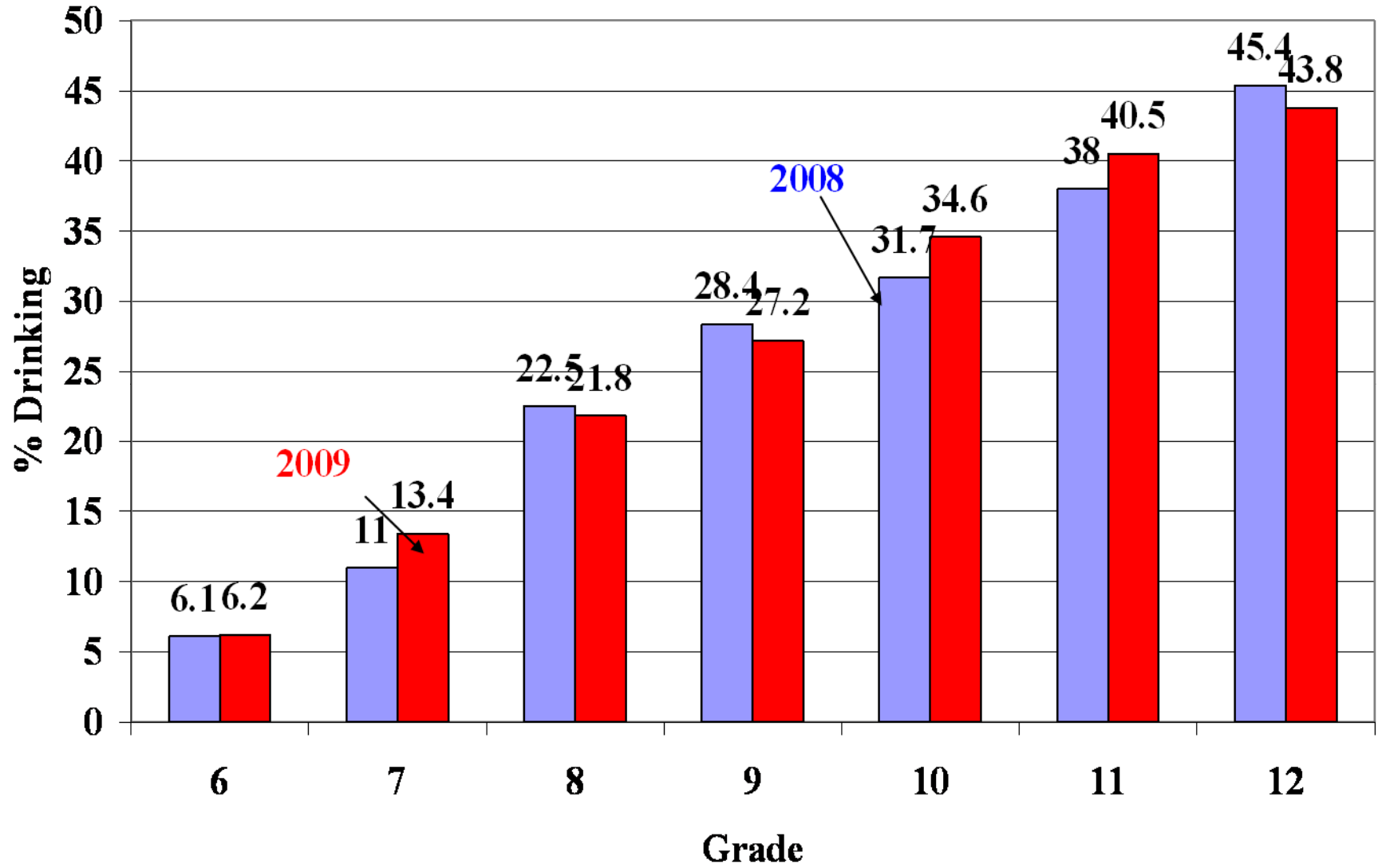




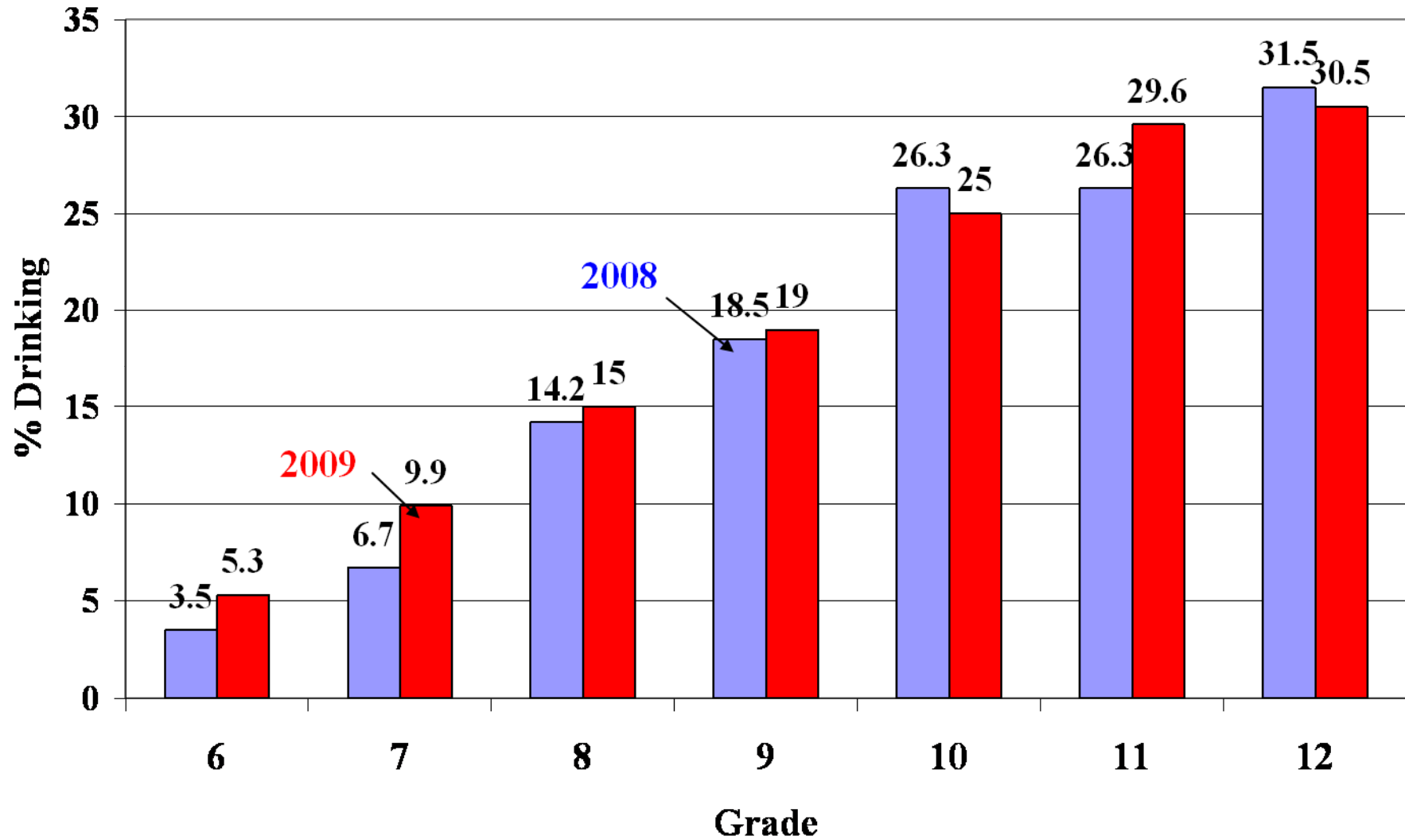
# Alcohol



**Monthly Alcohol use by Grade 2008 2009**

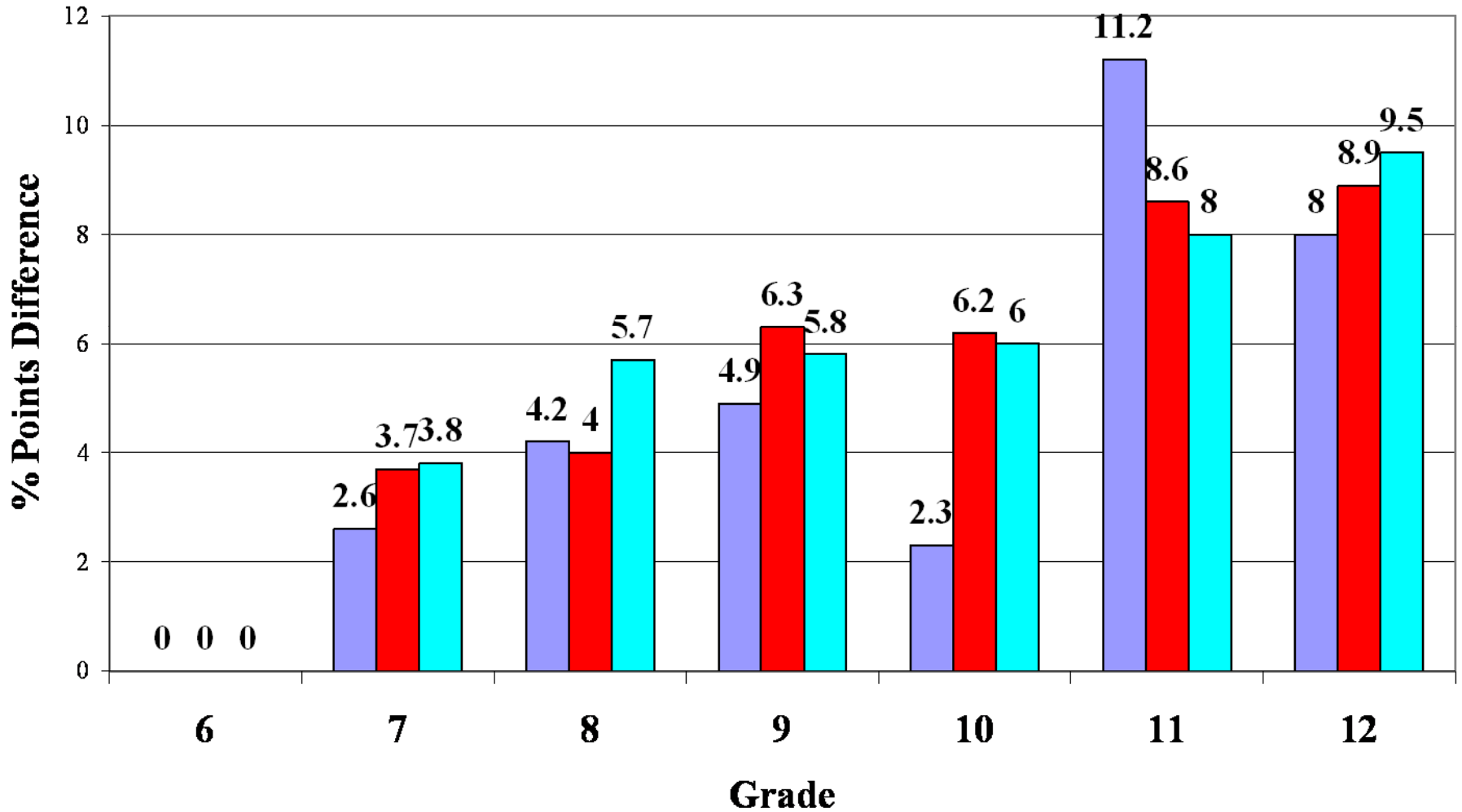


## Binge Drinking Past Two Weeks 2008 & 2009

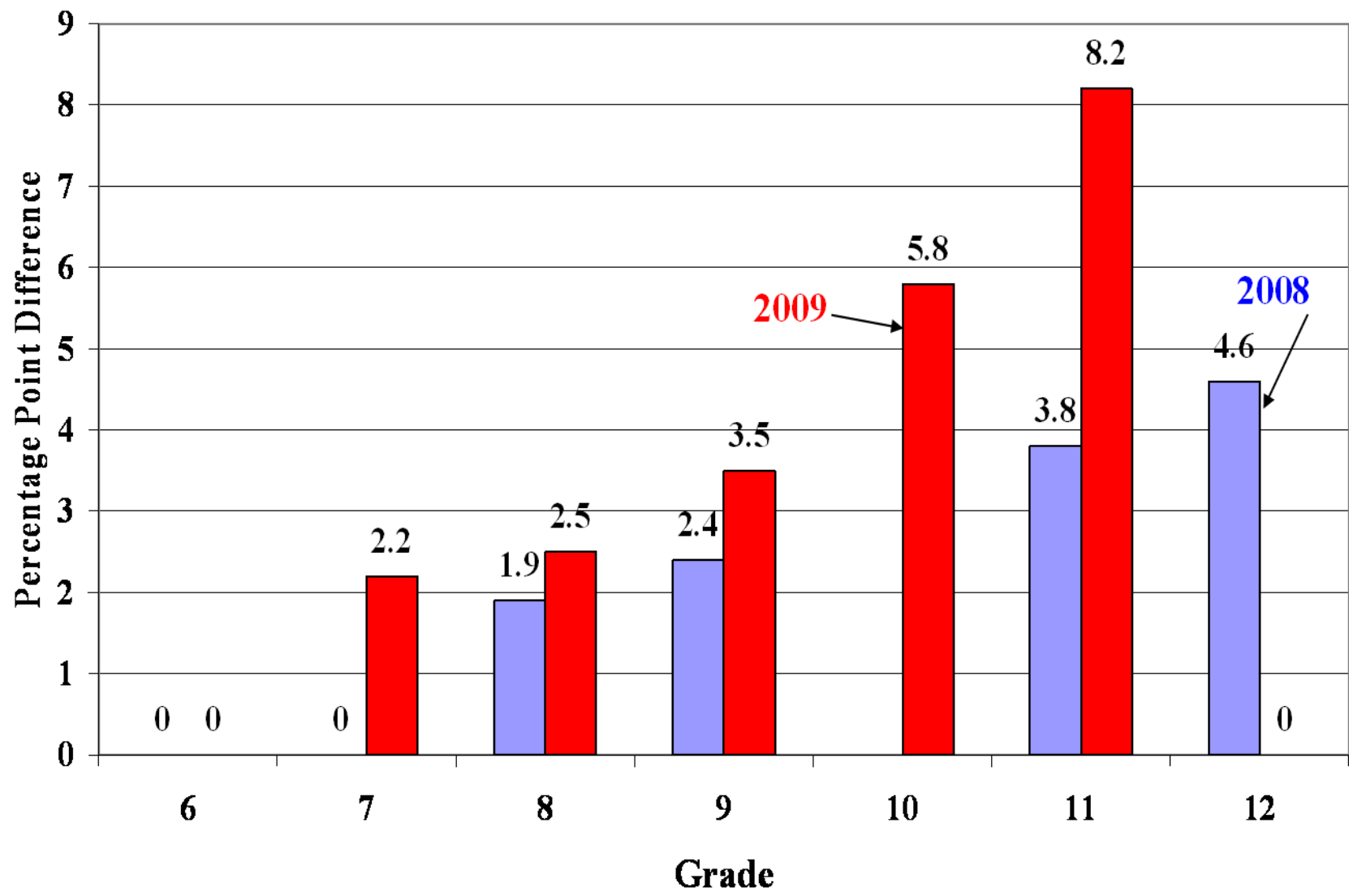


# Porter Students v State Alcohol Use ATOD 2009

Monthly Annual Lifetime

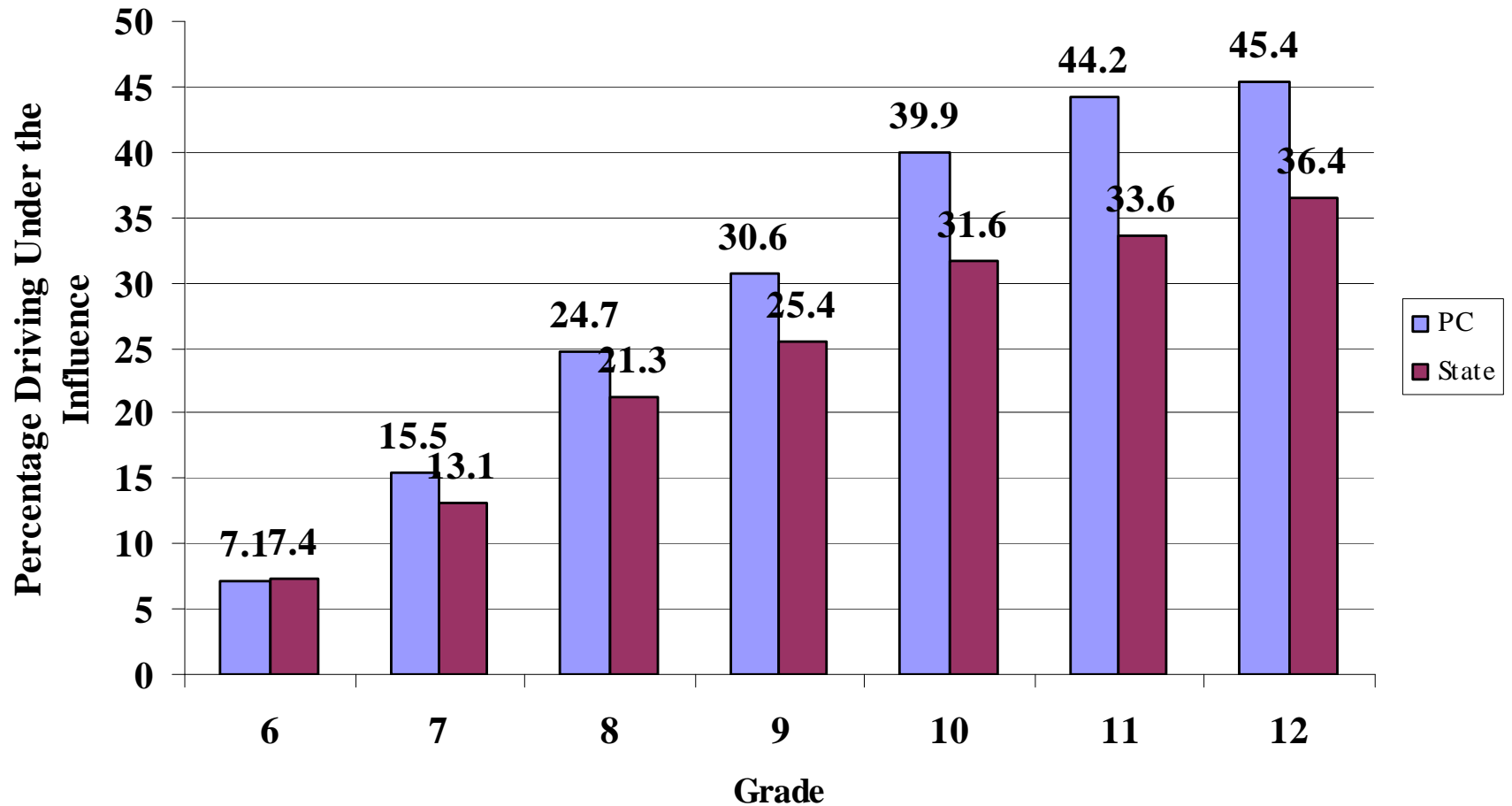


### Porter v. State on Binge Drinking, ATOD 2008, 2009

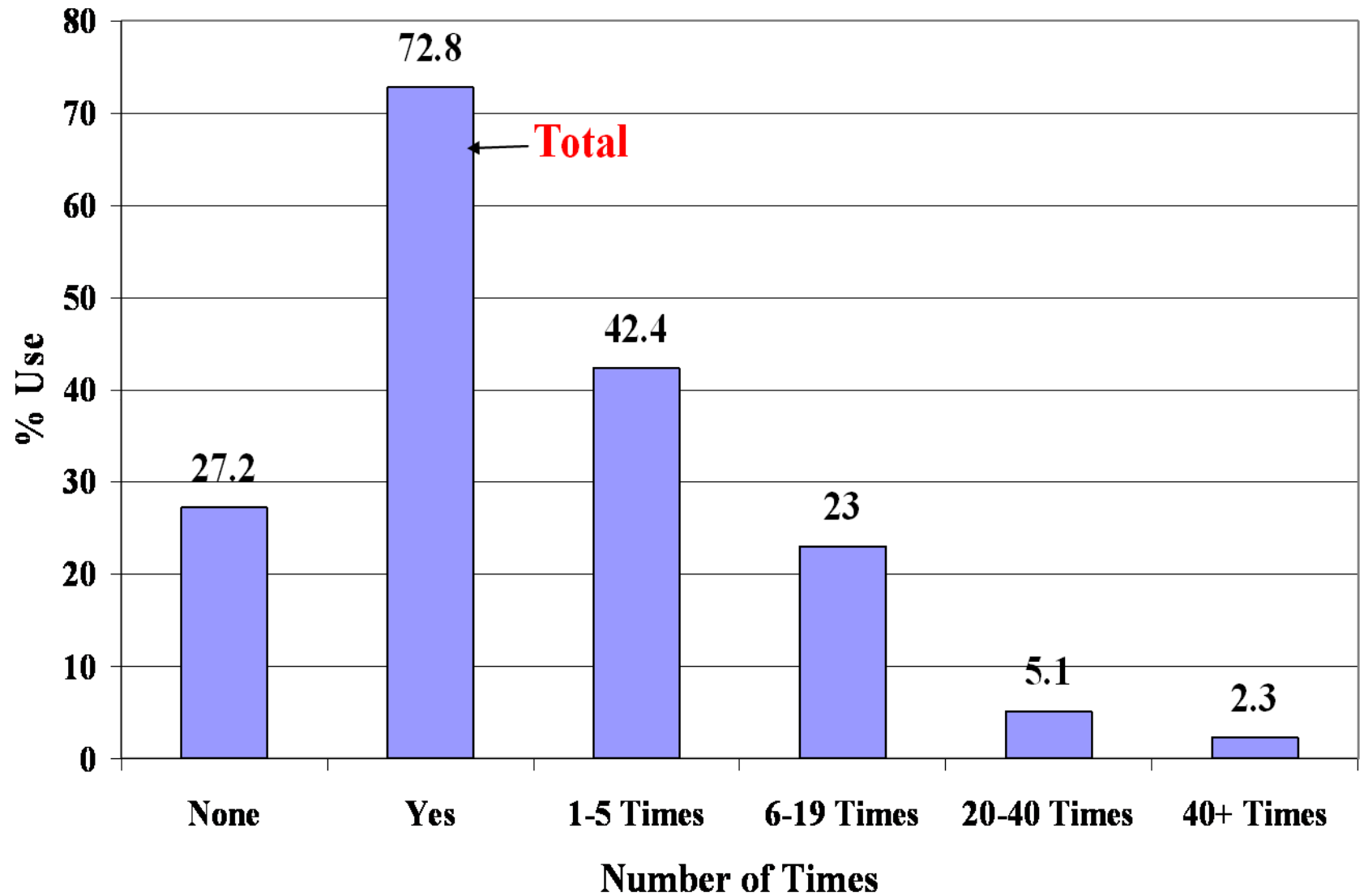


# Students Driving Under or With Someone under the Influence: Porter v. State

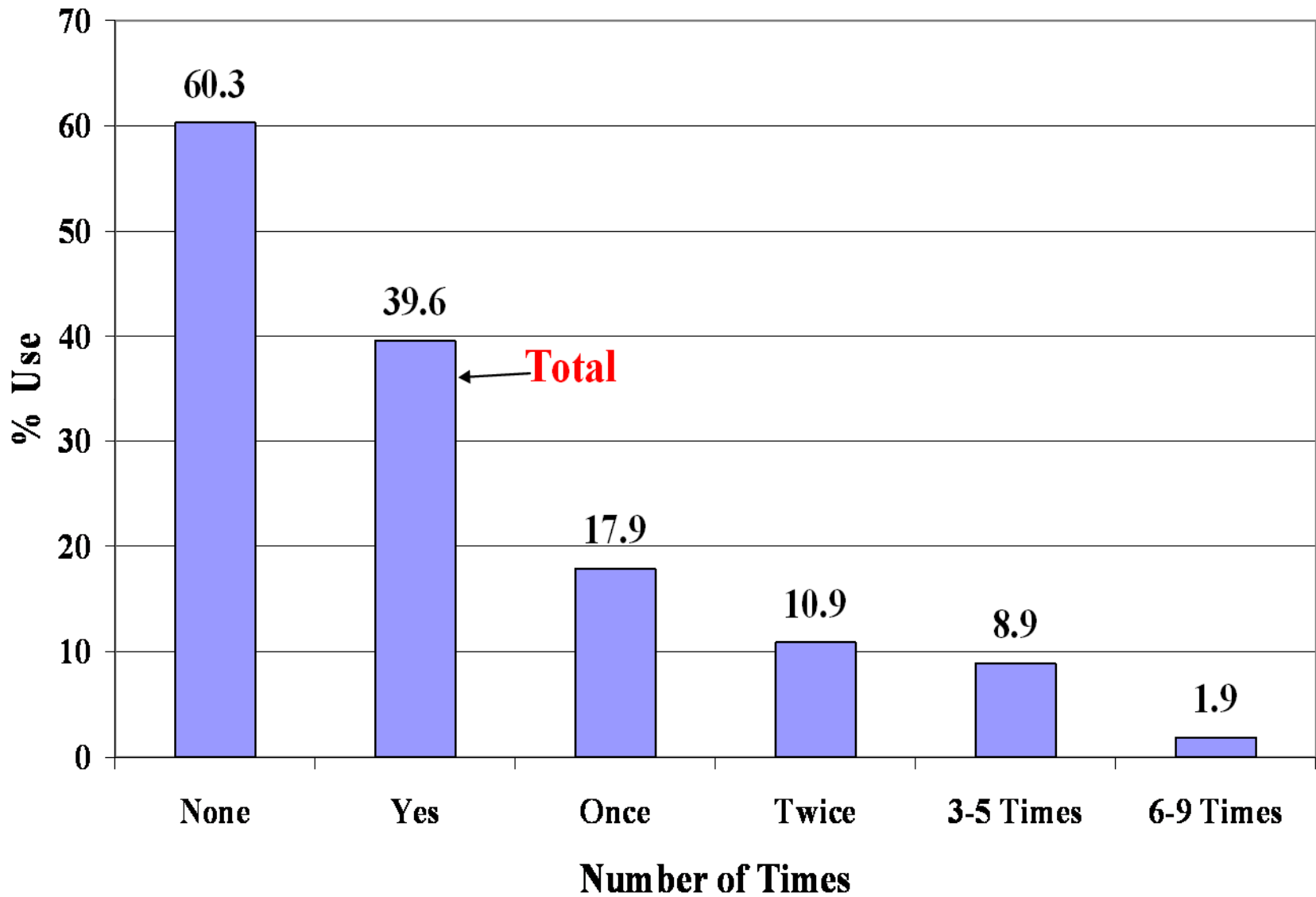
*ATOD, 2009; Indiana Survey, 2009*



## College Age Students Alcohol Consumption Past Month 2009

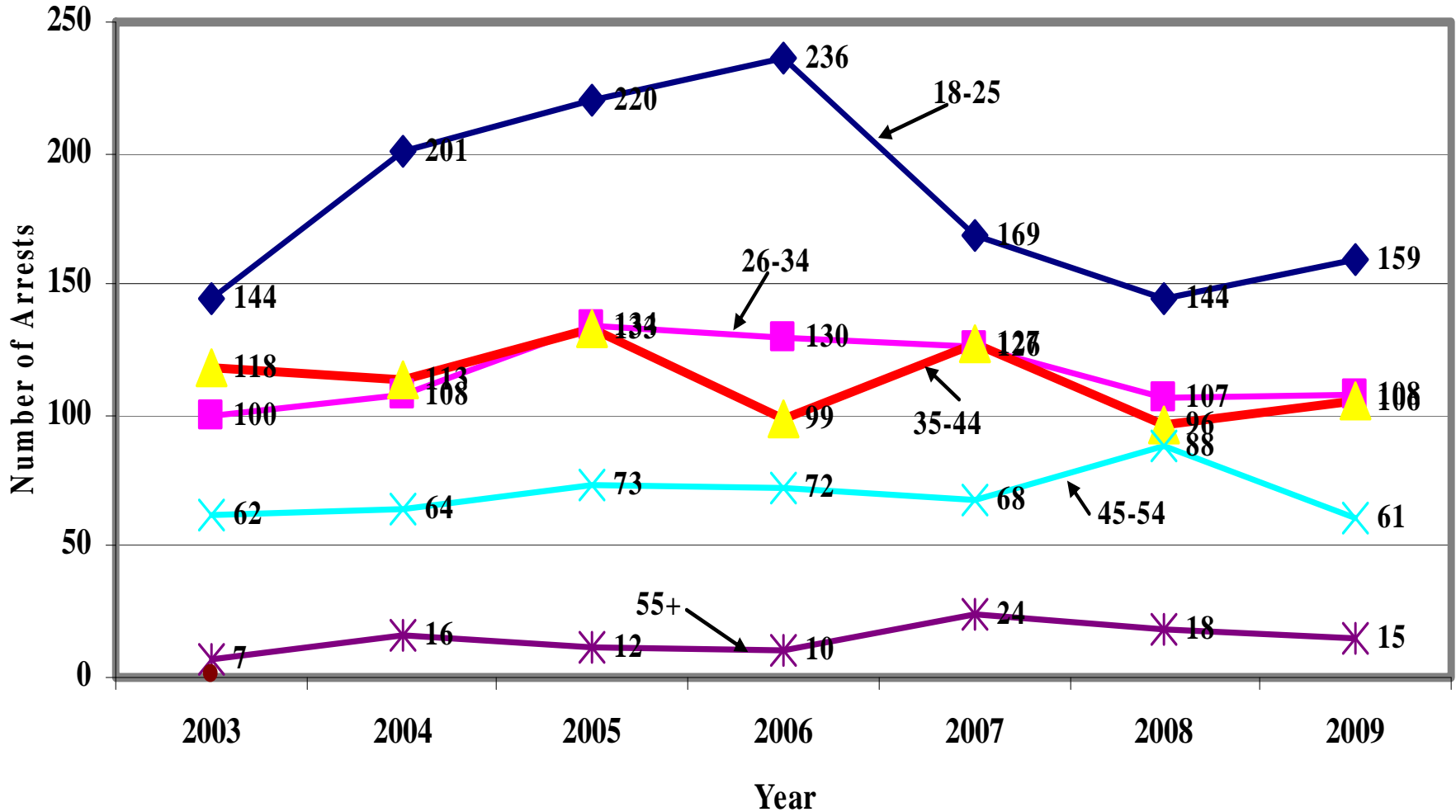


## College Age Student Binge Drinking Past Two Weeks 2009

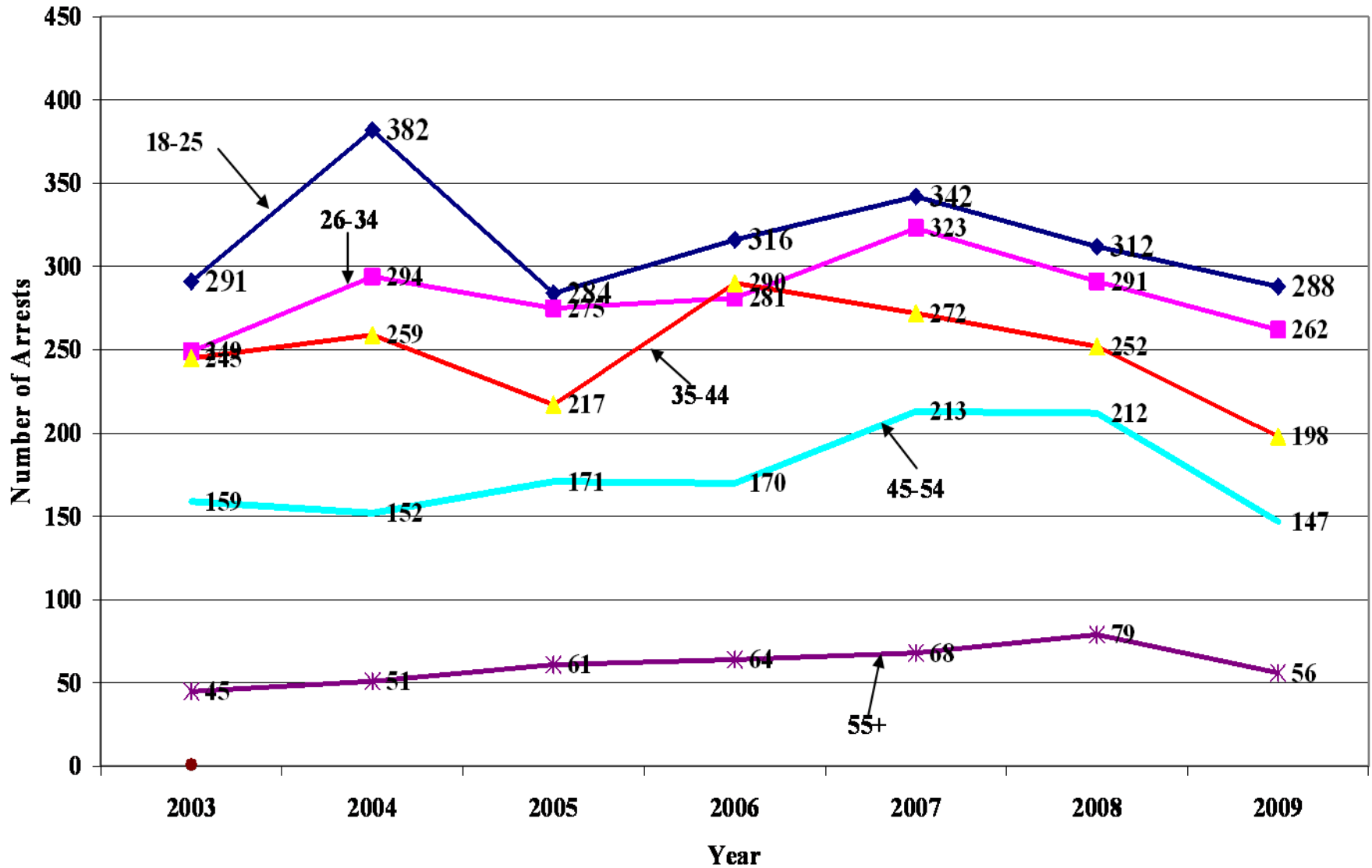


# Porter County Arrests for Public Intoxication by Age, 2003-2009

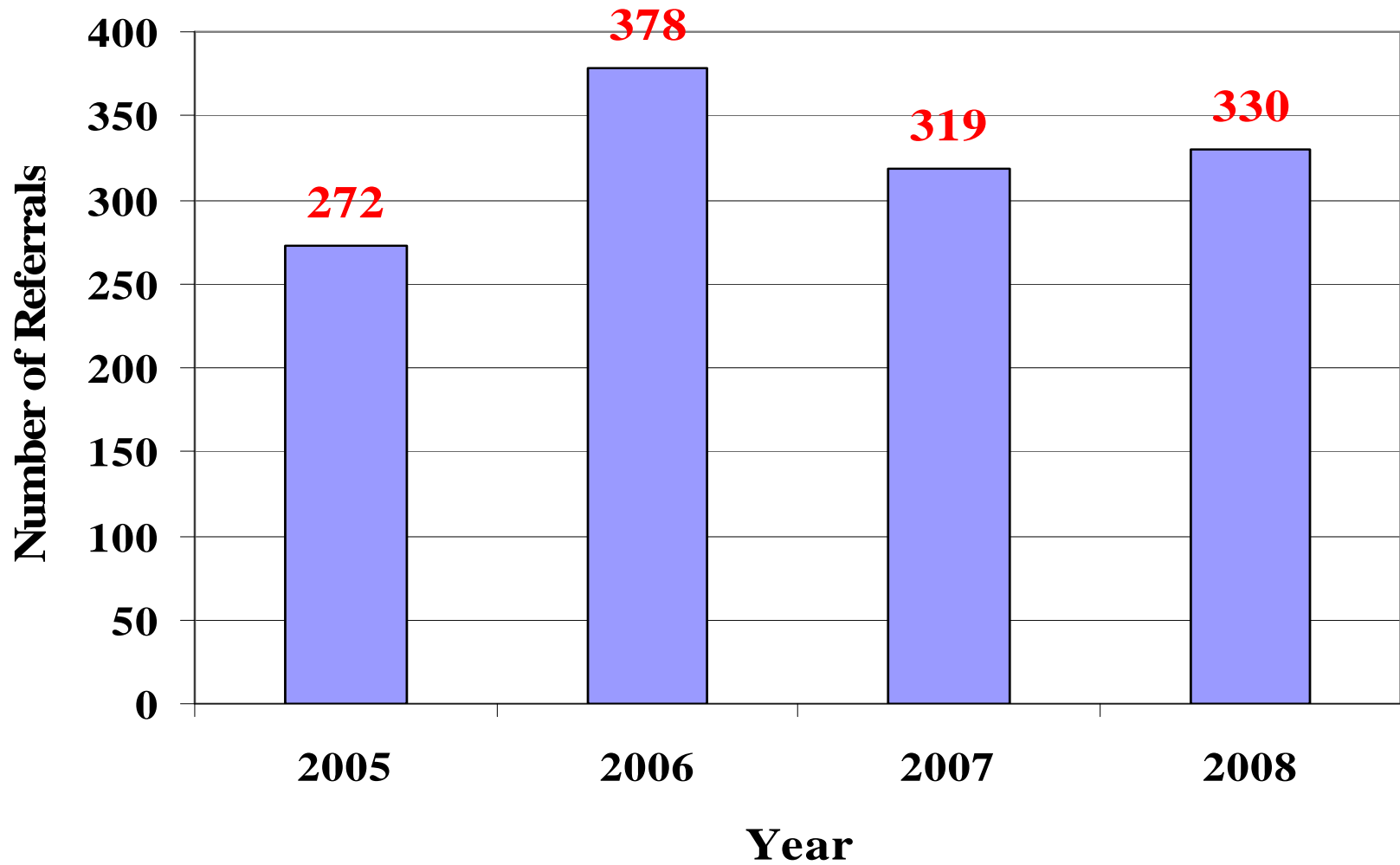
*Porter County Sheriff's Report, 2009*



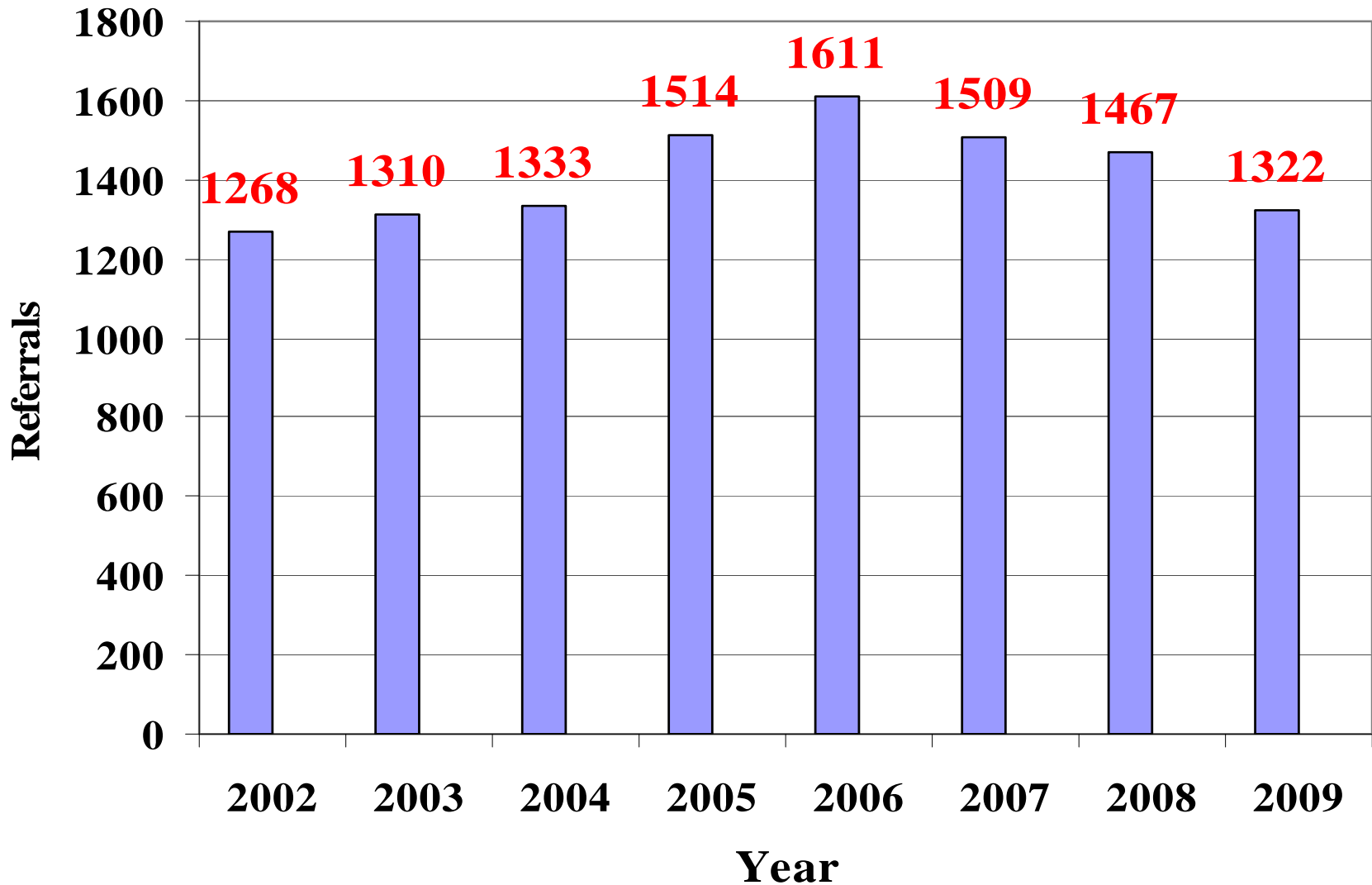
**Figure Porter County Arrests for Driving Under the Influence by age 2003-2009 Porter County Sheriff's Reports, 2009**



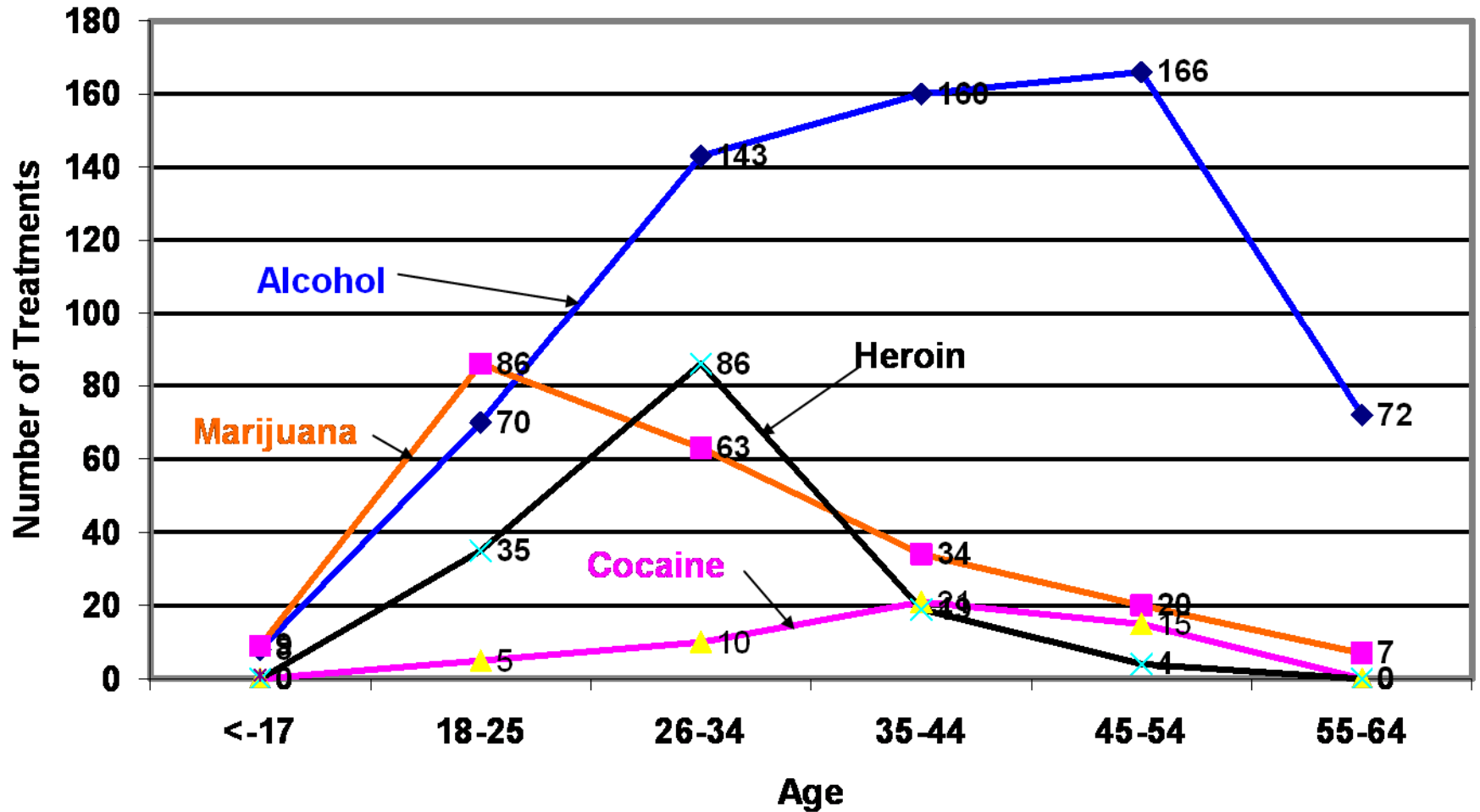
# Referrals to Juvenile Probation for Alcohol 2005-2008



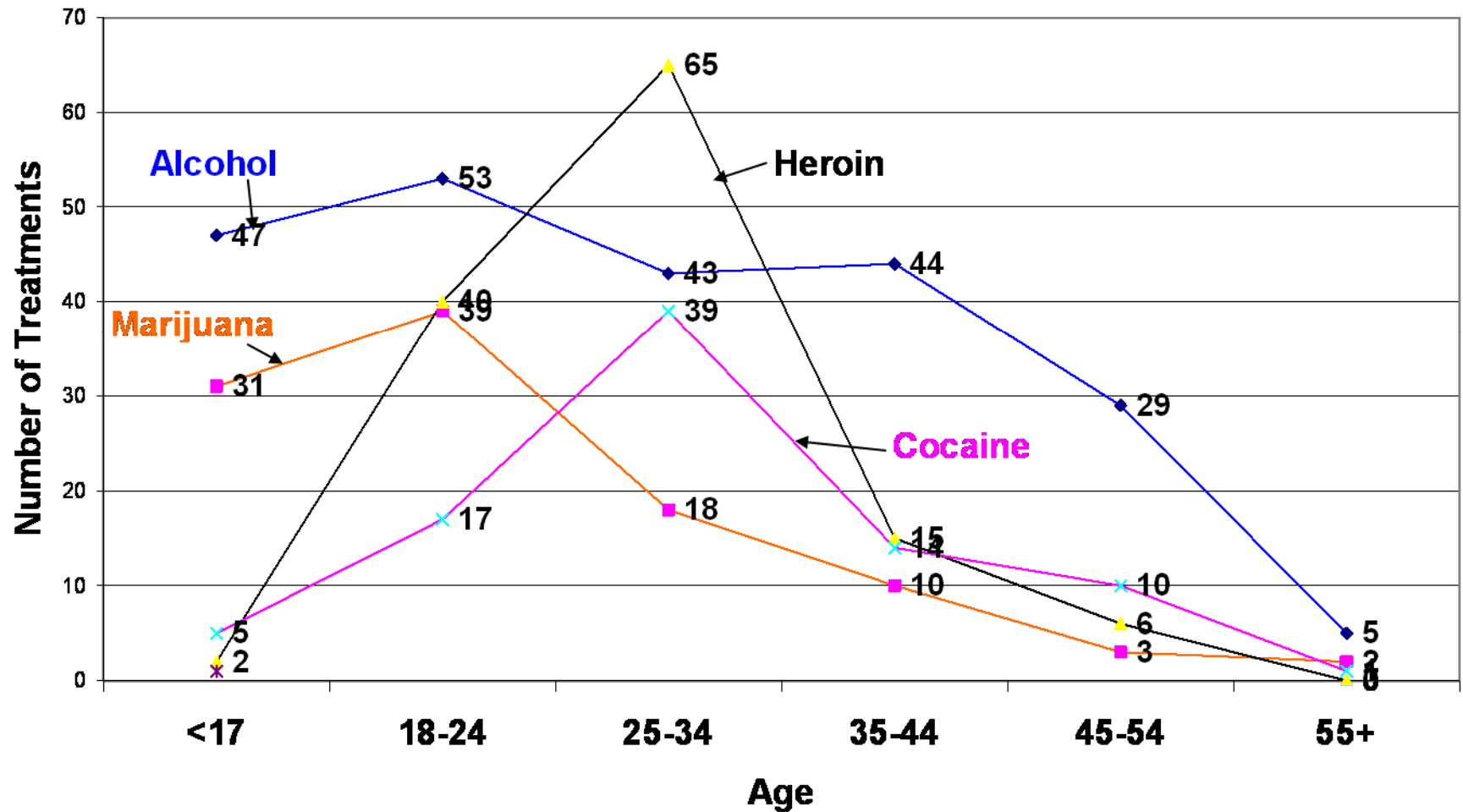
**Referrals to Adult Probation for Alcohol Related Issues  
2002-2009**



# Porter-Starke Services Treatments for Substance Abuse by Age, 2008



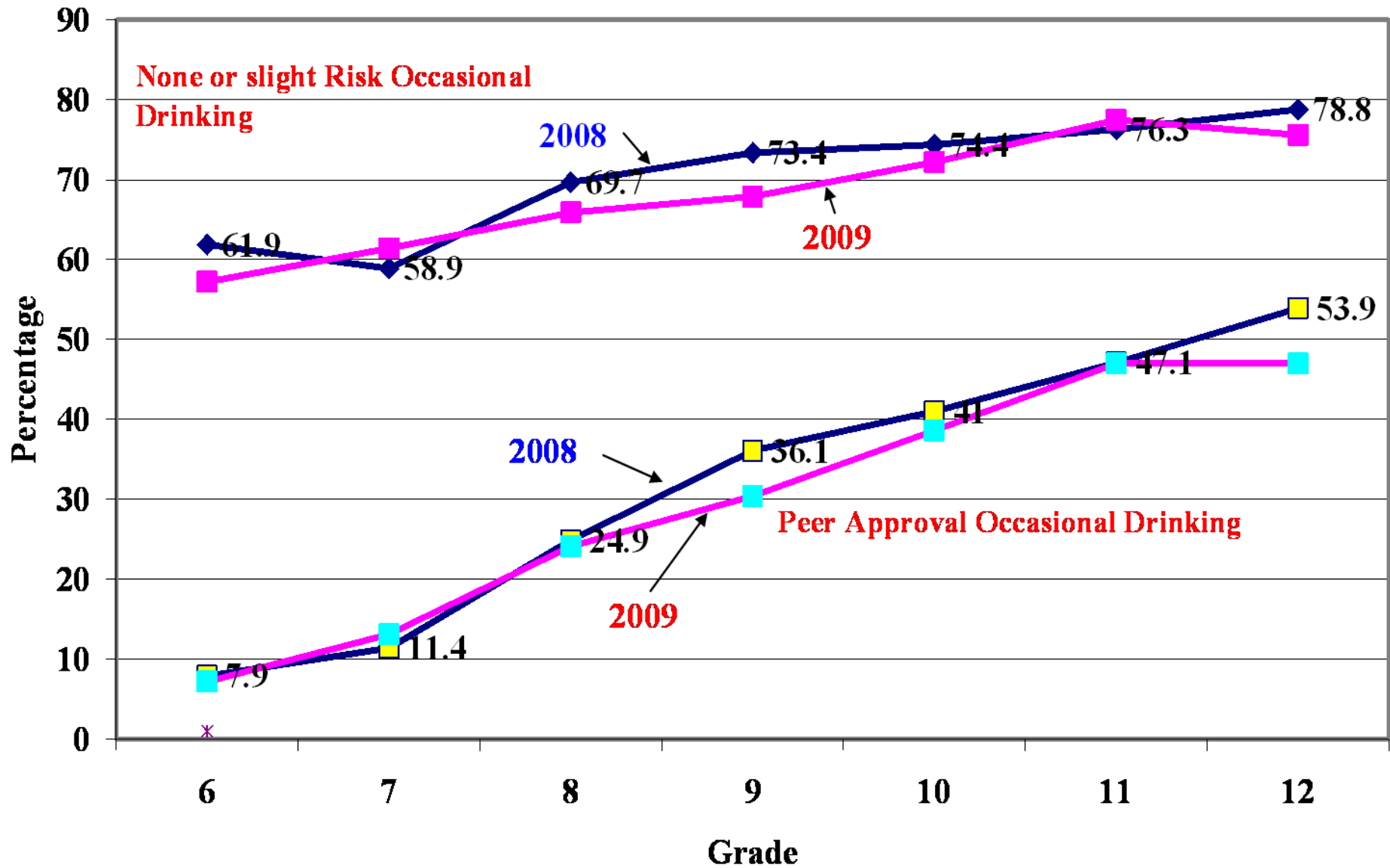
# Porter Emergency Room Treatments for specific Substances by Age, 2008



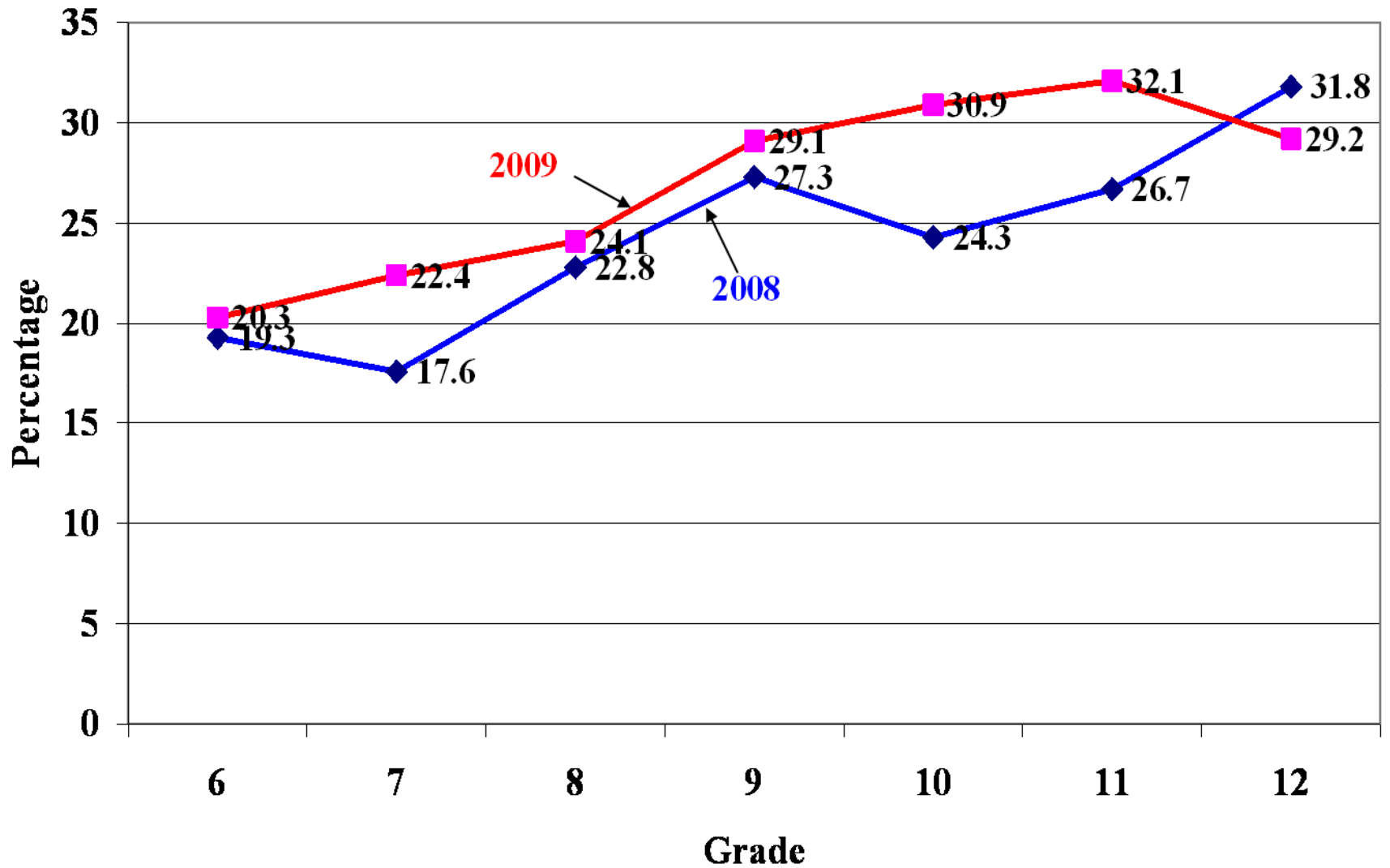
## Contributing Factors

- ✓ Perception of Risk
- ✓ Perception of Peer Approval
- ✓ Adults Consume at High Rates
- ✓ Availability

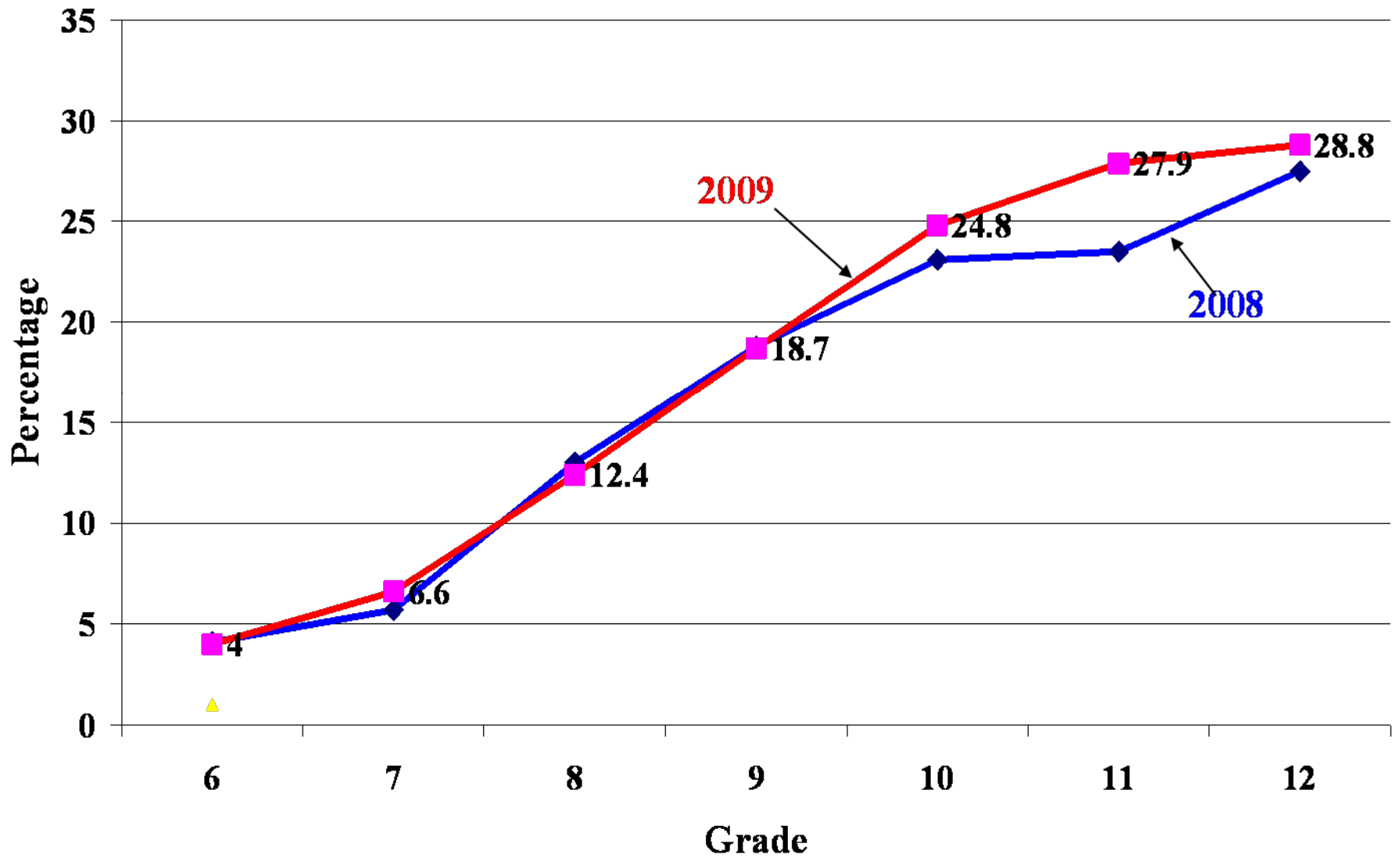
# Perception of Risk and Peer Approval 2008 2009



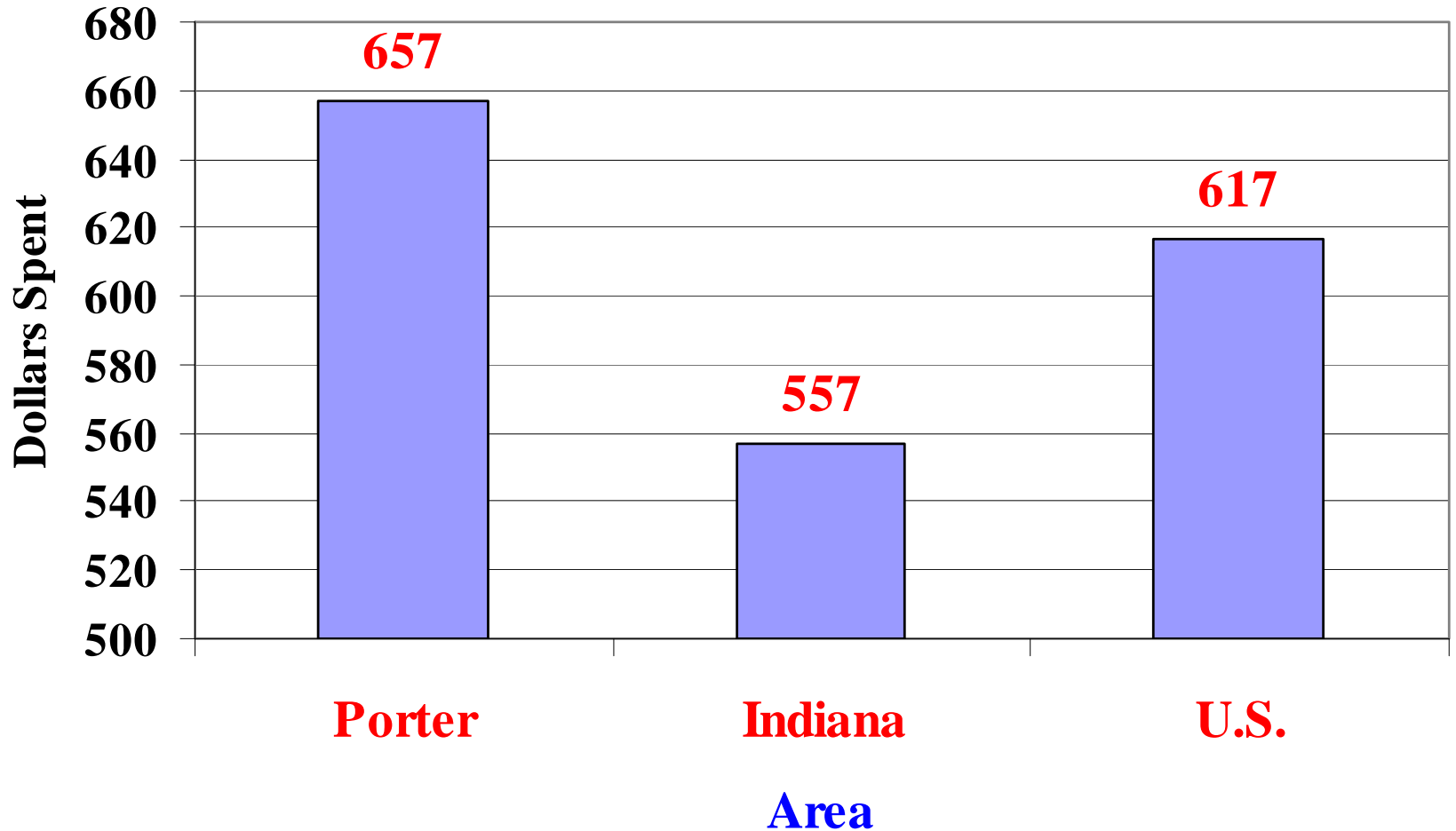
**Perception of None or Slight Risk Binge Drinking ATOD 2008, 2009**



**Perception of Peer Approval Binge Drinking ATOD 2008, 2009**

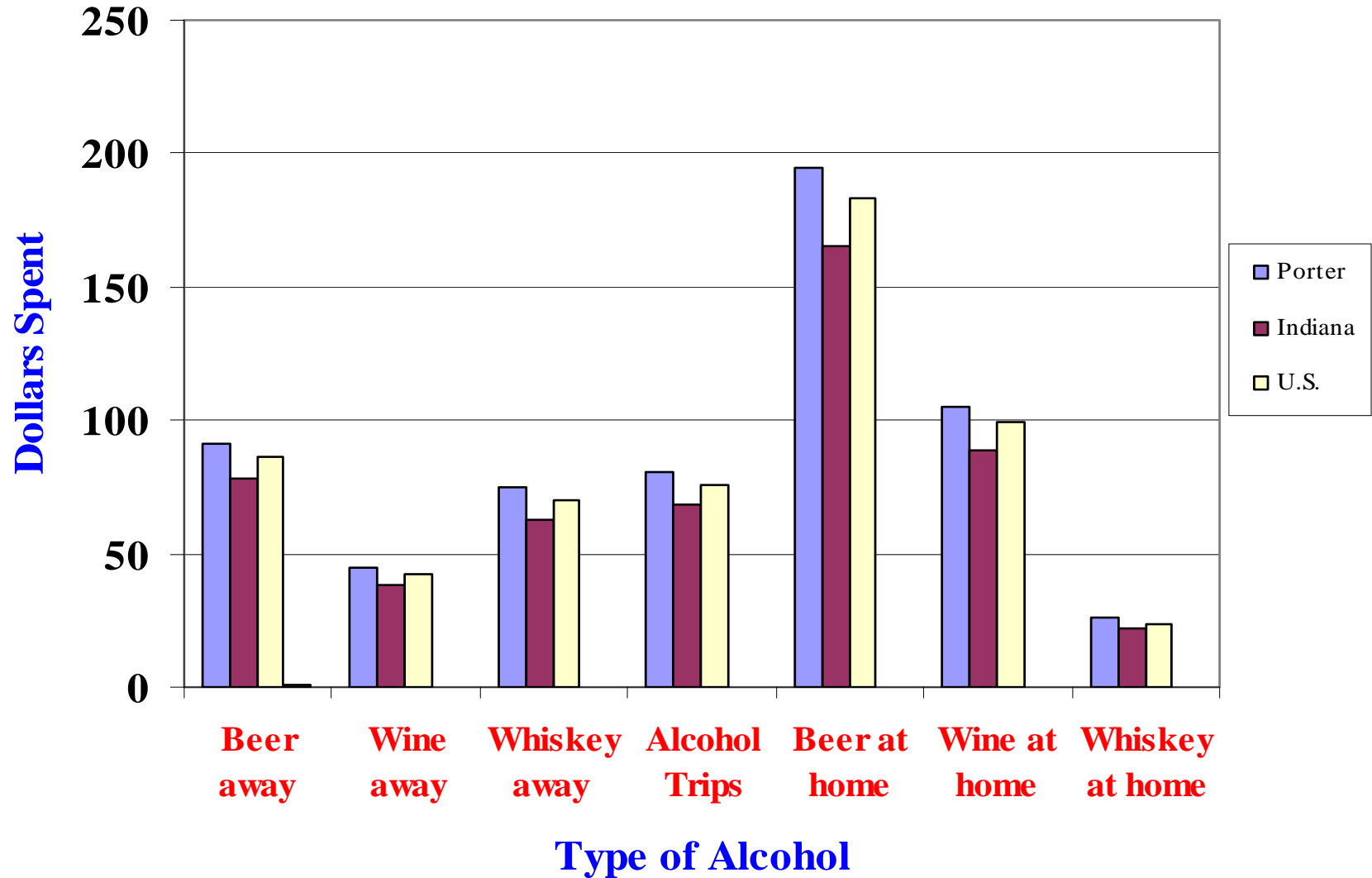


# Average Expenditure on Alcohol Per Household 2007



# Spending on Alcohol Per Household 2007

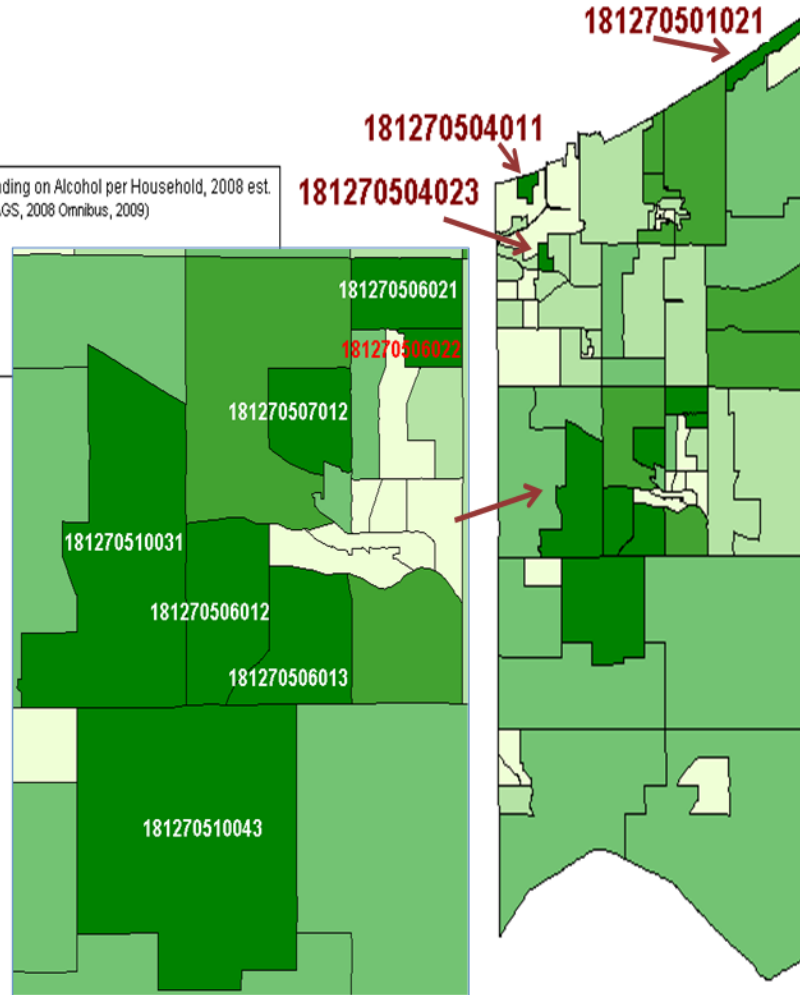
## Porter County



**Figure 2.5**  
**Average Annual Alcohol Spending per Household**

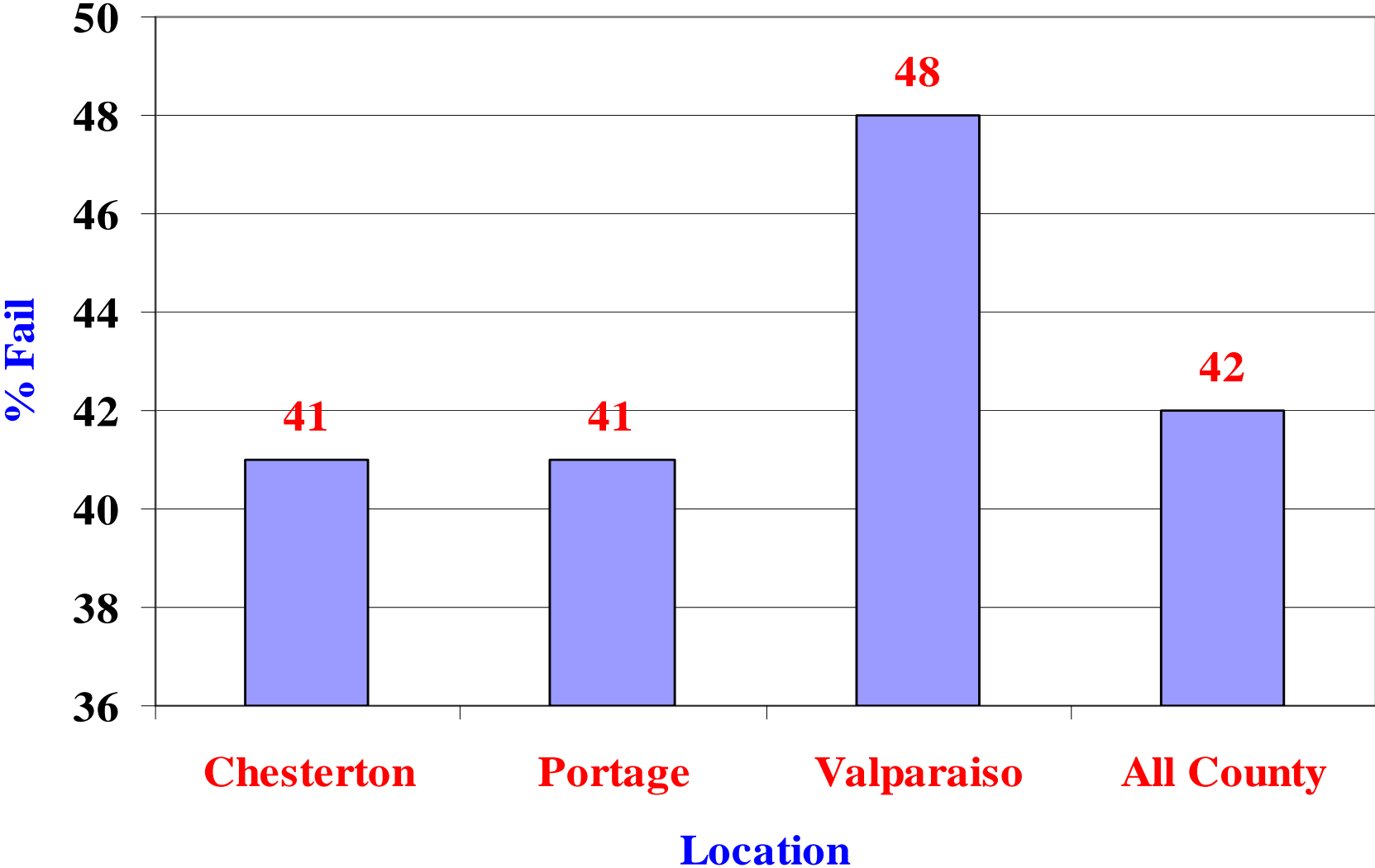
Average Annual Spending on Alcohol per Household, 2008 est.  
 Porter County by BG (AGS, 2008 Omnibus, 2009)

- 793 to 1,080 (10)
- 700 to 793 (8)
- 600 to 700 (13)
- 500 to 600 (20)
- 396 to 500 (20)



Porter BGs
181270510031
181270504011
181270501021
181270506012
181270504023
181270506013
181270510043
181270506021
181270510043
181270506022
181270507012

# Sale of Alcohol to Minors: Failure Rates 2009

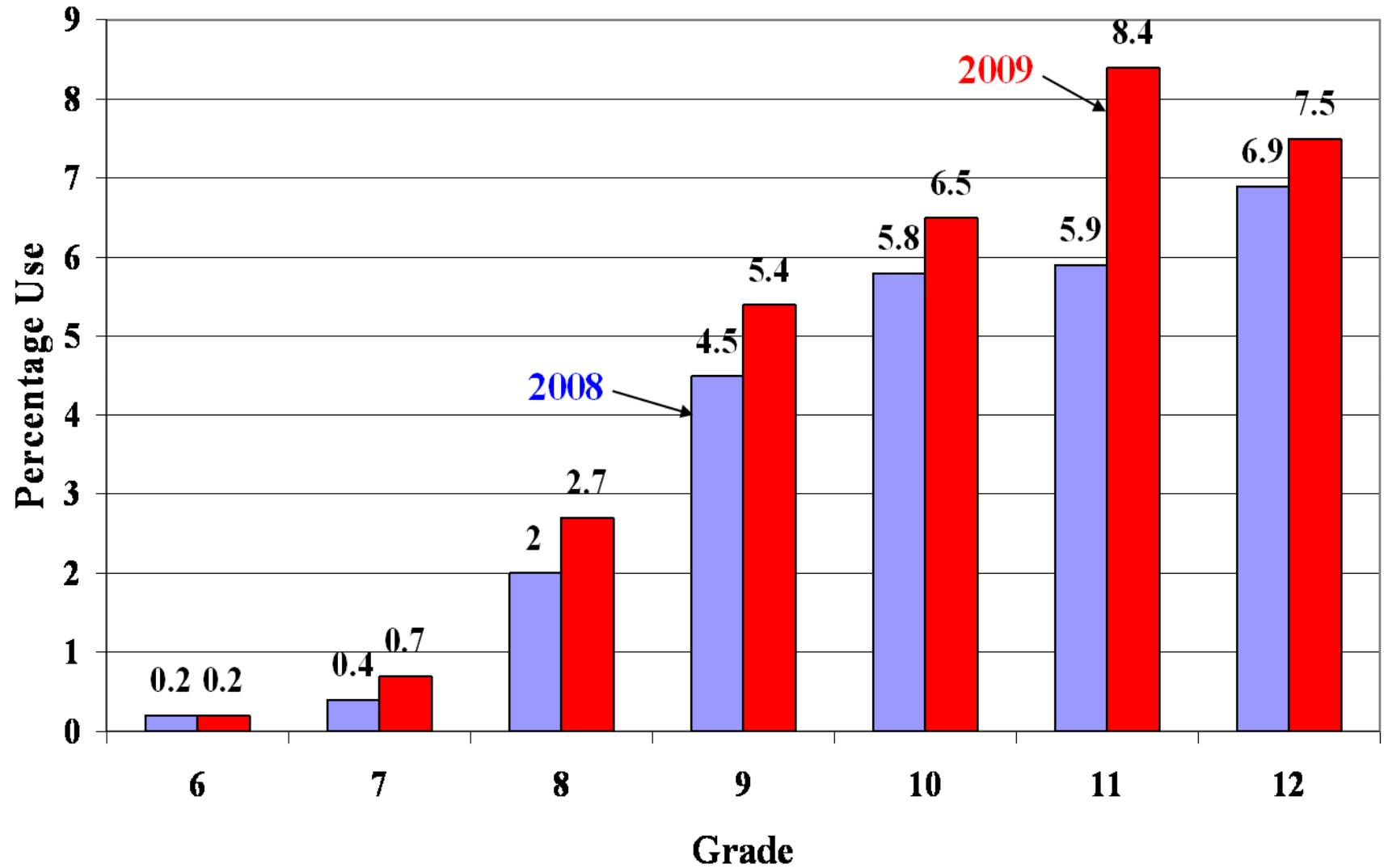




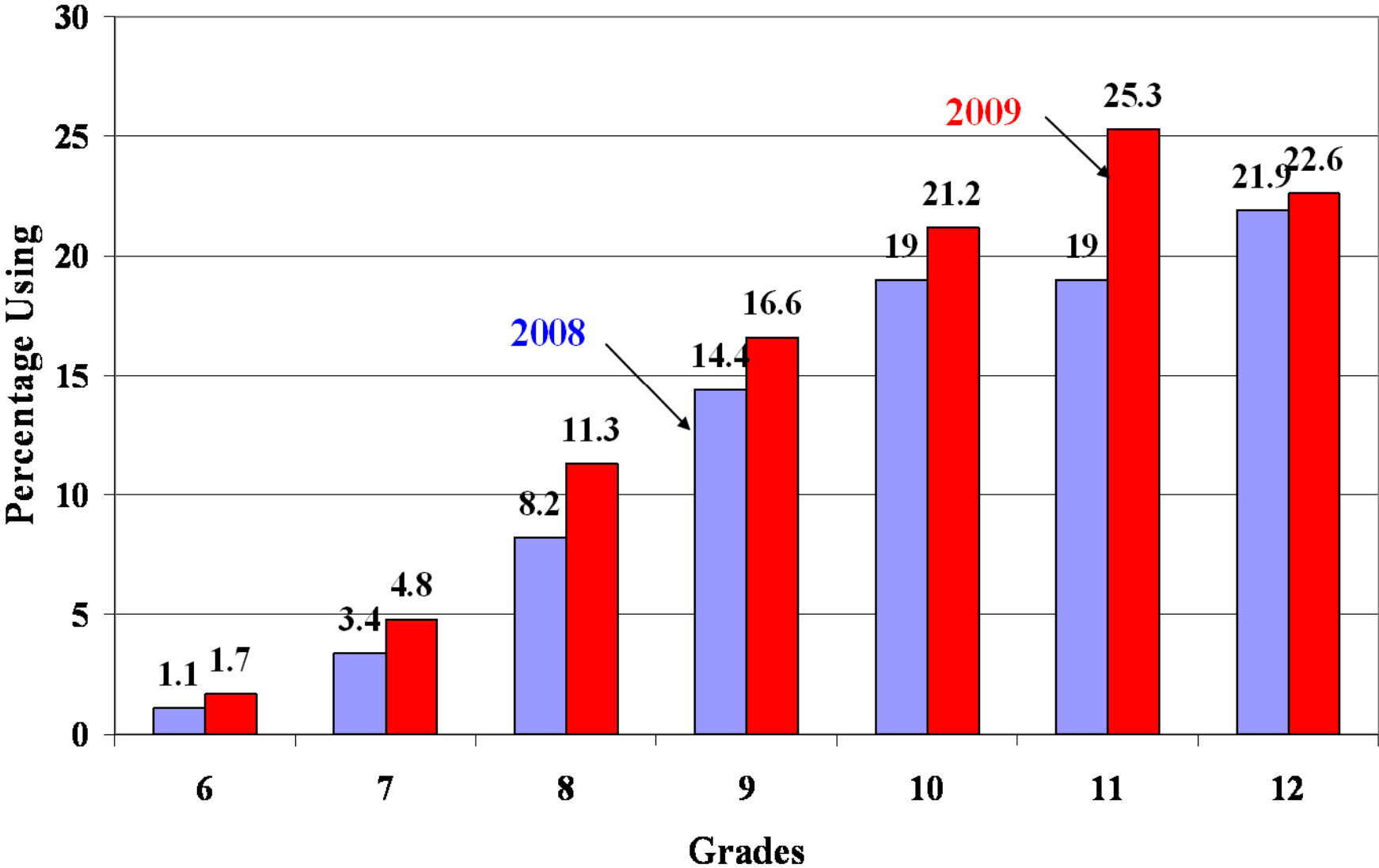
# Marijuana



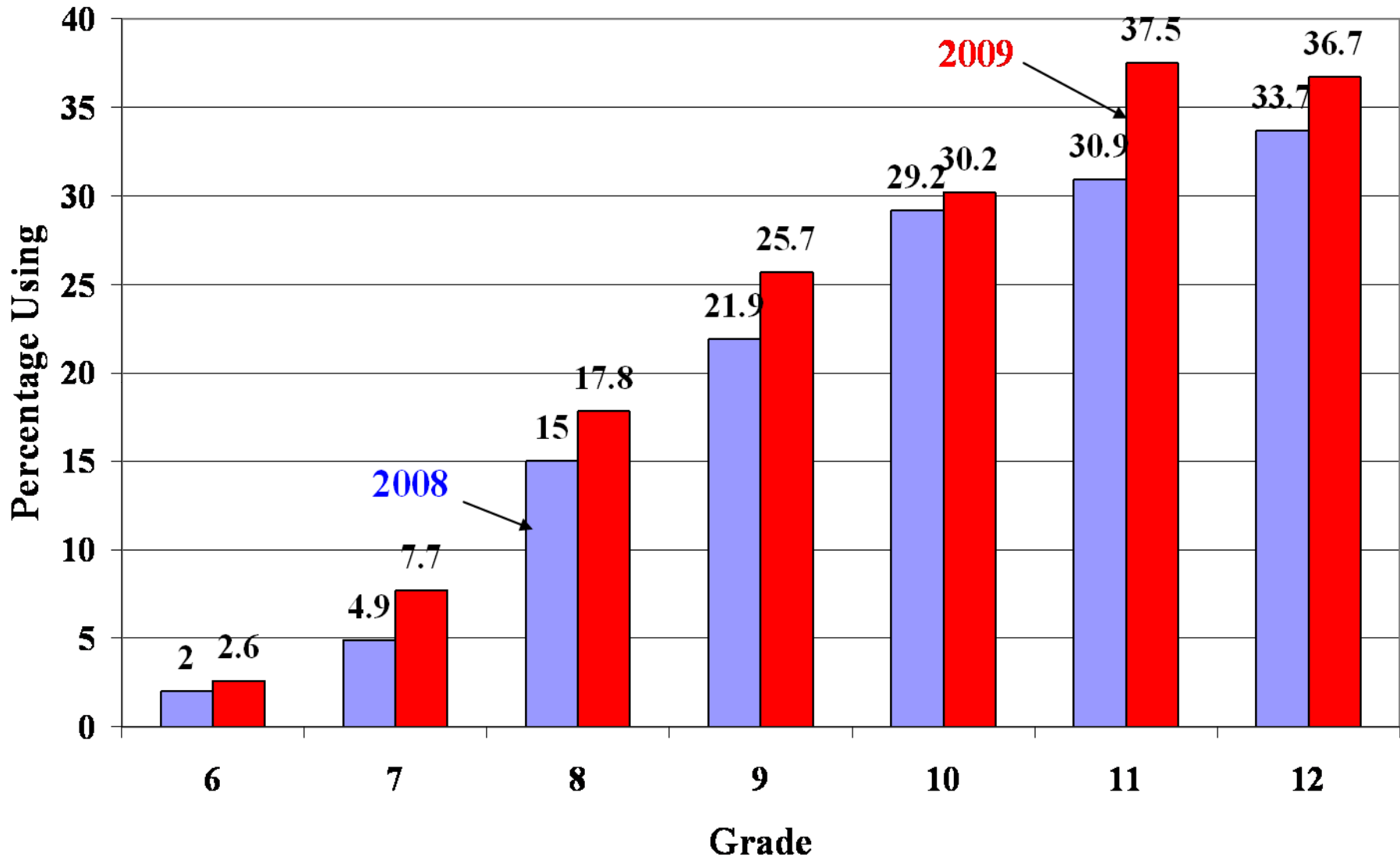
## Daily Use of Marijuana ATOD 2008, 2009



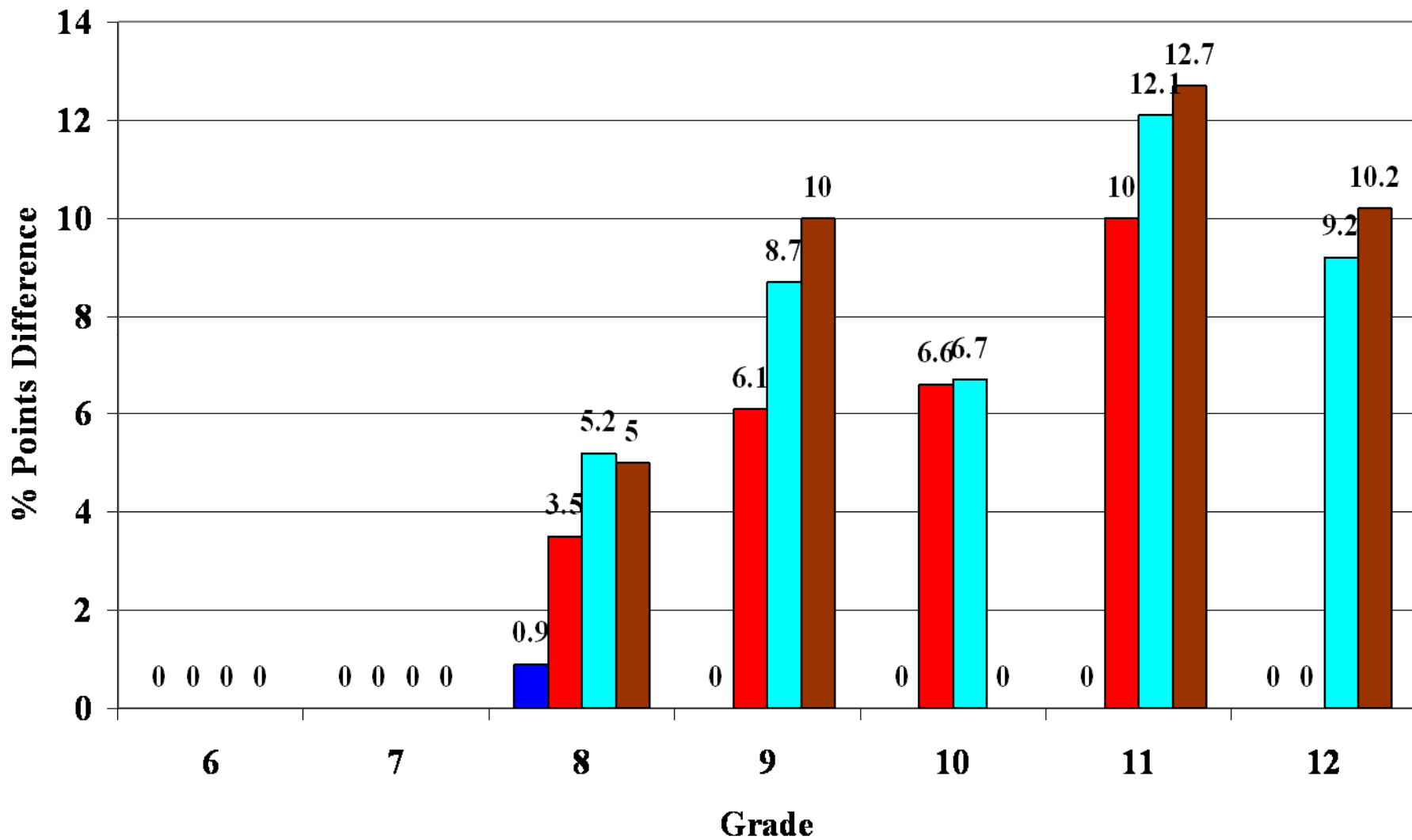
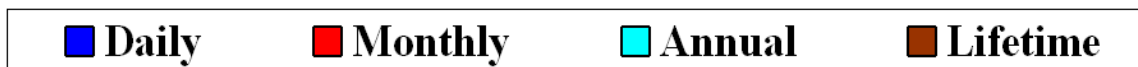
# Monthly Use of Marijuana ATOD 2008, 2009



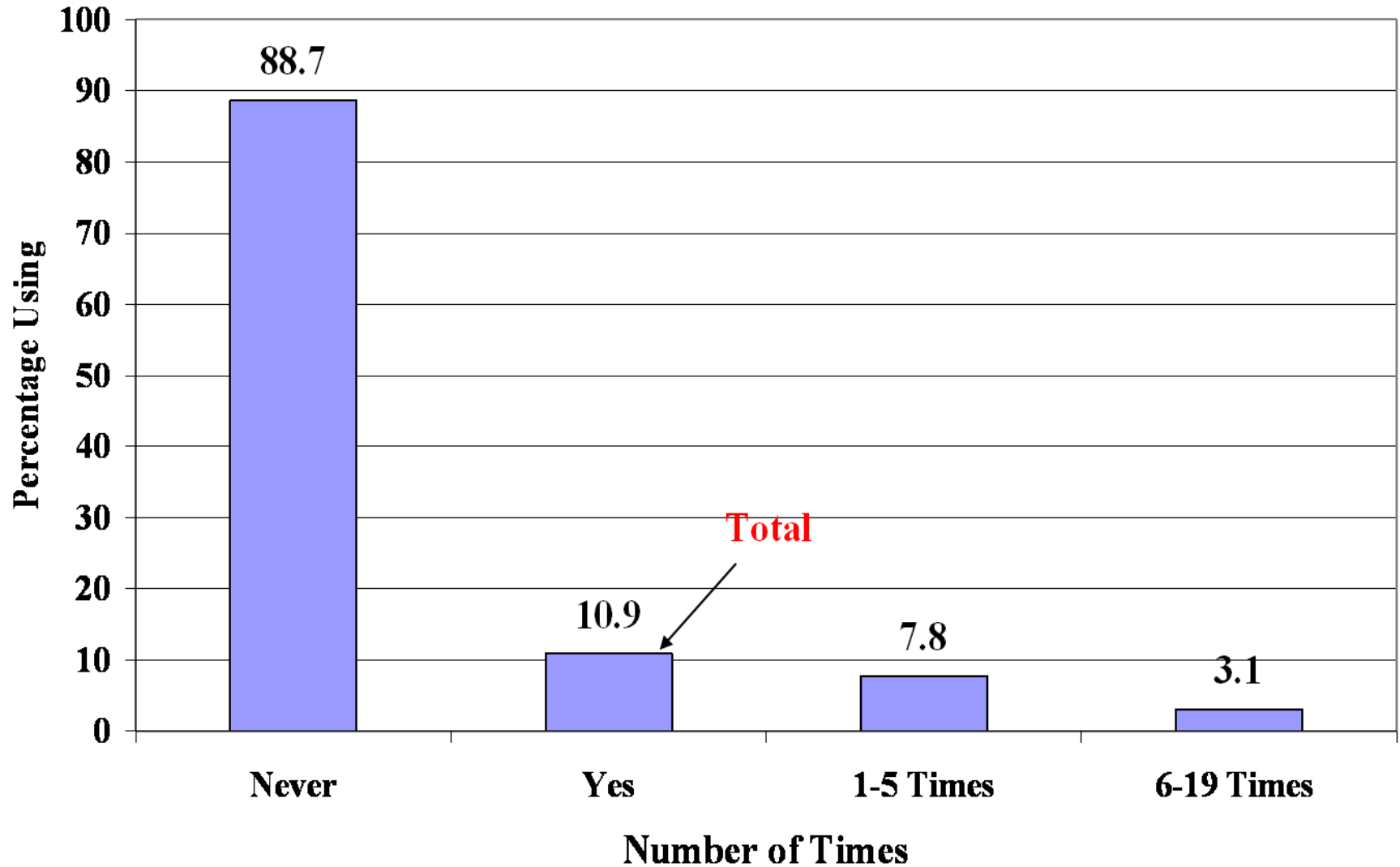
## Annual Use of Marijuana ATOD 2008, 2009



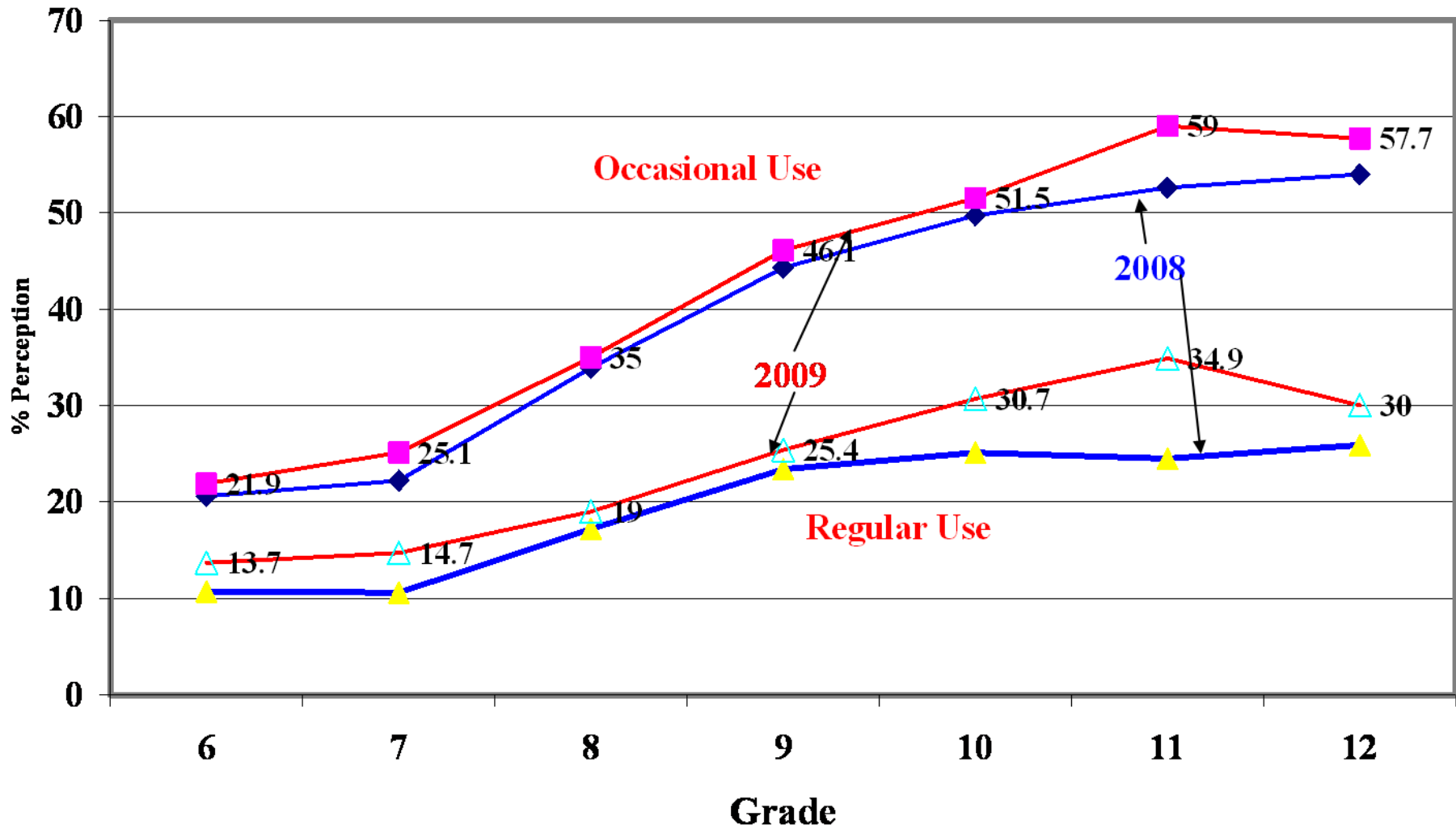
## Porter v. State Averages Marijuana Use ATOD, 2009



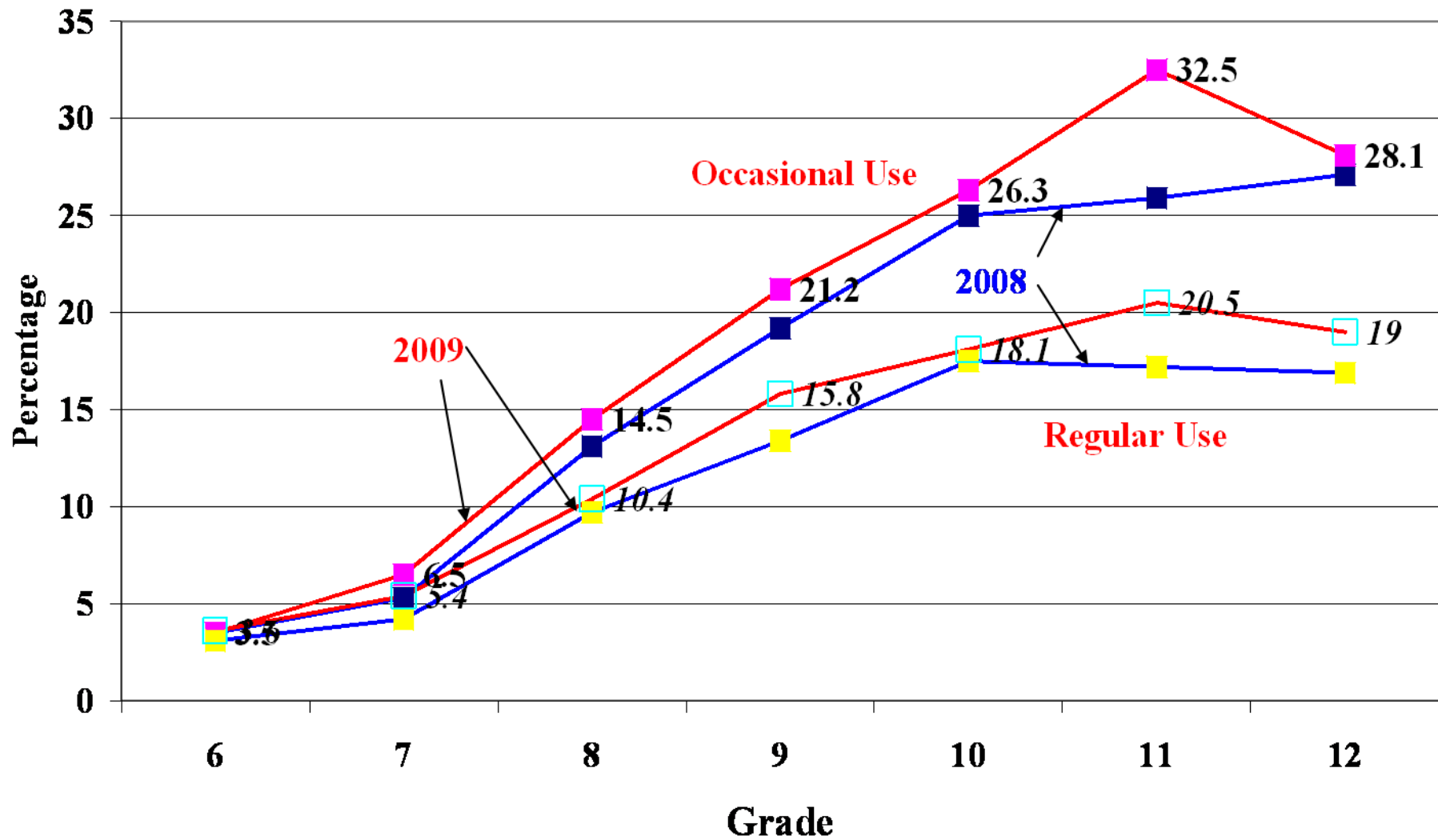
# College Age Students Monthly Use of Marijuana



# Perception of None and Slight Risk for Occasional and Regular Use Of Marijuana ATOD 2008, 2009



# Perception of Peer Approval for Occasional and Regular Use of Marijuana ATOD 2008, 2009

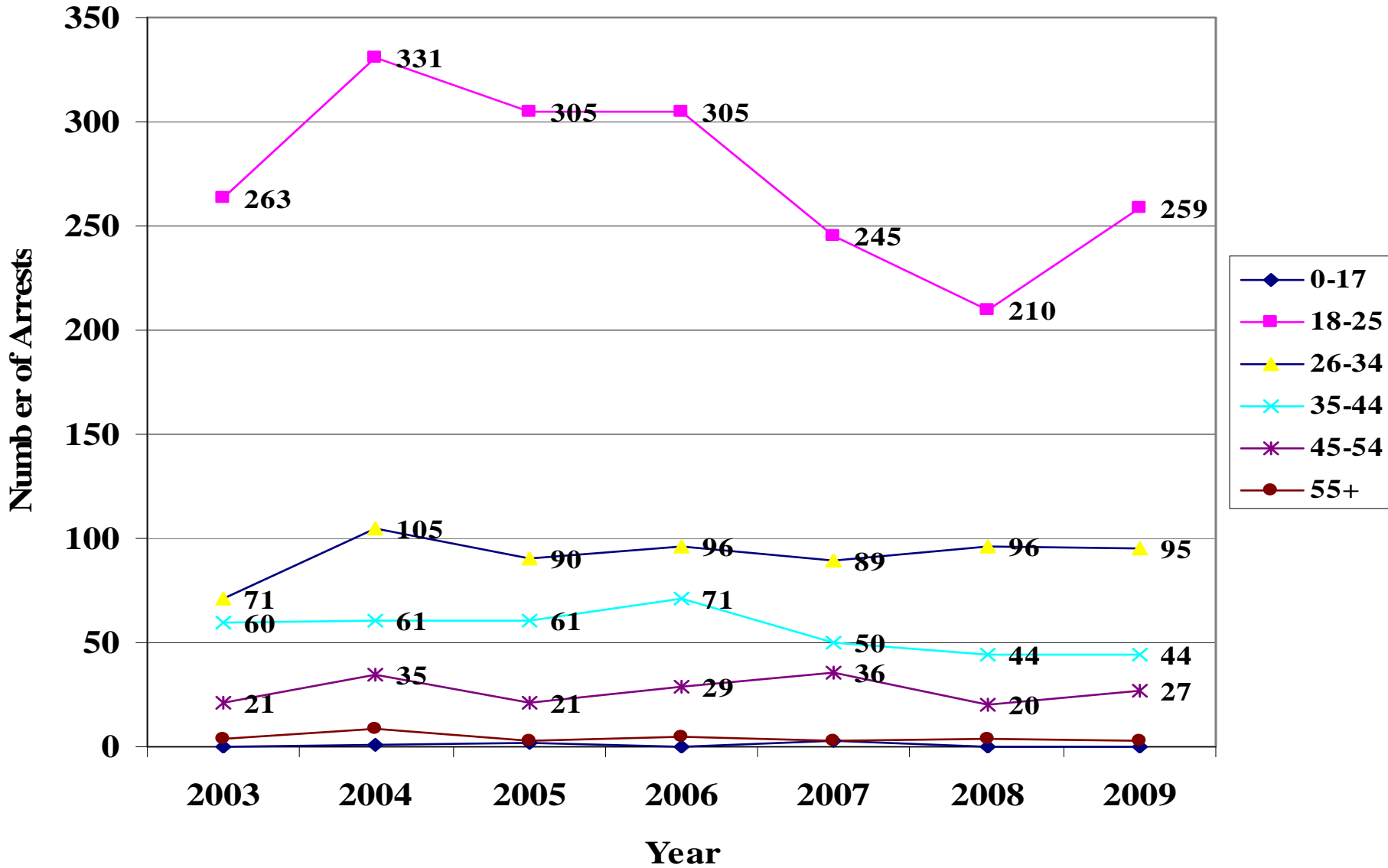


## 12<sup>th</sup> Grade and College Comparisons of Risk and Peer Approval Marijuana Use

Use and Conditions	12 <sup>th</sup> Graders	College Age
Monthly Use	22.6%	10.9%
Low Risk Occasional Use	57.7%	54.9%
Low Risk Regular Use	30%	20.9%
Peer Approval Occasional	28.1%	19.0%
Peer Approval Regular	16.8%	7.2%

# Marijuana Arrests by Age and Year

*Porter County Sheriff, 2009*



**Same Pattern for most other Drugs**

# Putting it All Together

## Substance Related Problems

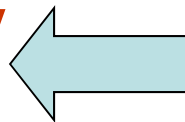
Alcohol/drug related deaths

High Illegal Activity

High Demand for Treatment

High Rates of Hospitalization

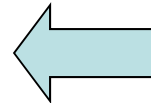
High Rates of Accidents



## Substance Use

Extremely High Prevalence Rates for Youth

“Culture of Consumption”



## Contributing Factors

Low Perception of Risk

Perceived Peer Approval

“Weak” Perceived Parental Disapproval

Community Acceptance

Availability

Unsupervised Activities

Low Program Participation

# Questions?

# Suggestions!

Contact me at [Larry.Baas@valpo.edu](mailto:Larry.Baas@valpo.edu)