

turning knowledge into practice

The Disease and the Population

Presented by

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RTI International

Presented at

NC Institute of Medicine

Task Force on Substance Abuse Services

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Cary, North Carolina



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Serenity Prayer

*Grant me the serenity
to accept the things I cannot change;
courage to change the things I can;
and wisdom to know the difference*

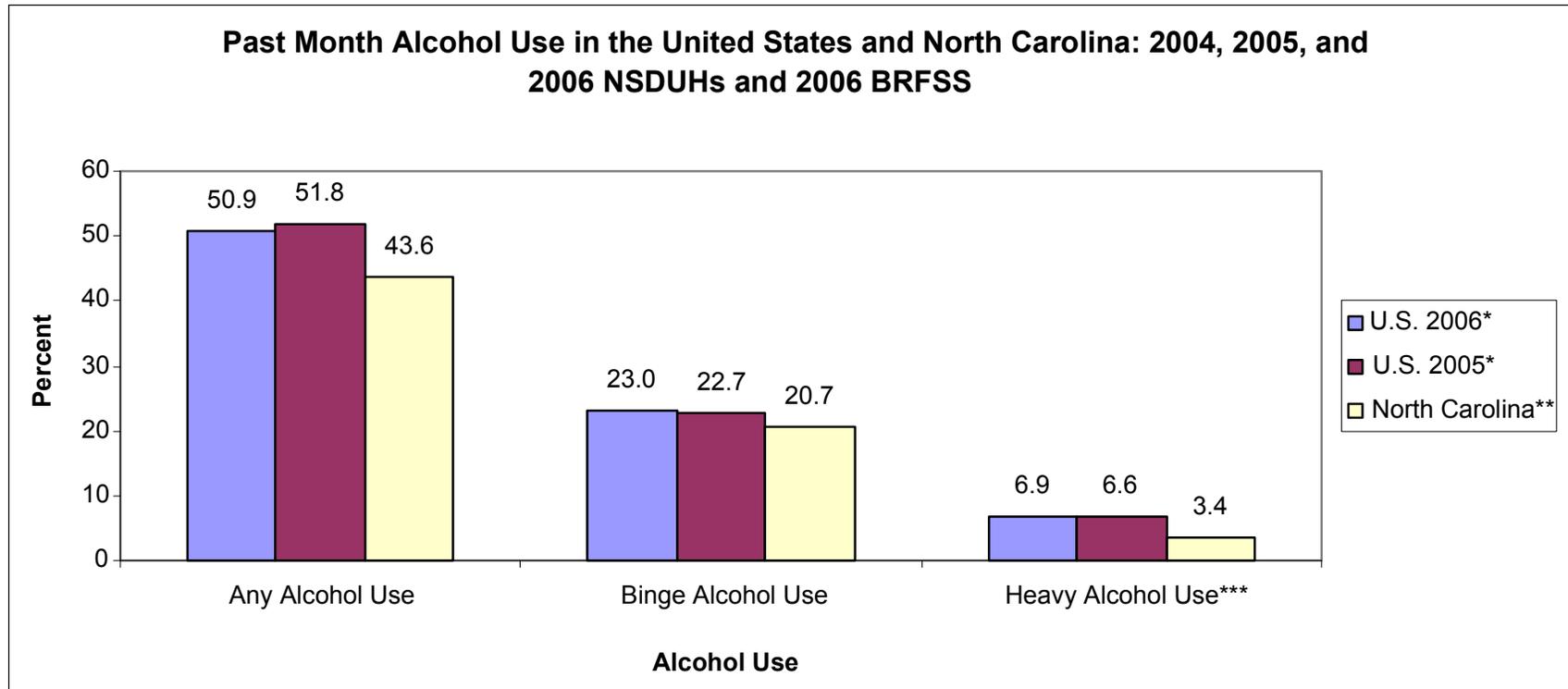
Objectives

- Substance Abuse Consumption
- Substance Abuse Consequences
- Emerging Issues

Data Sources

- Substance Abuse Consumption
 - National Survey on Drug Use and Health (NSDUH)
 - Behavioral Risk Factors Surveillance System (BRFSS)
 - Youth Risk Behavior Survey (YRBS)
- Substance Abuse Consequences
 - Highway Safety Research Center (HSRC)
 - Department of Public Instruction (DPI)
 - NC Department of Health and Human Services (NC DHHS)
 - NC Administrative Office of the Courts (AOC)
- Emerging Issues

Alcohol Use (past month)



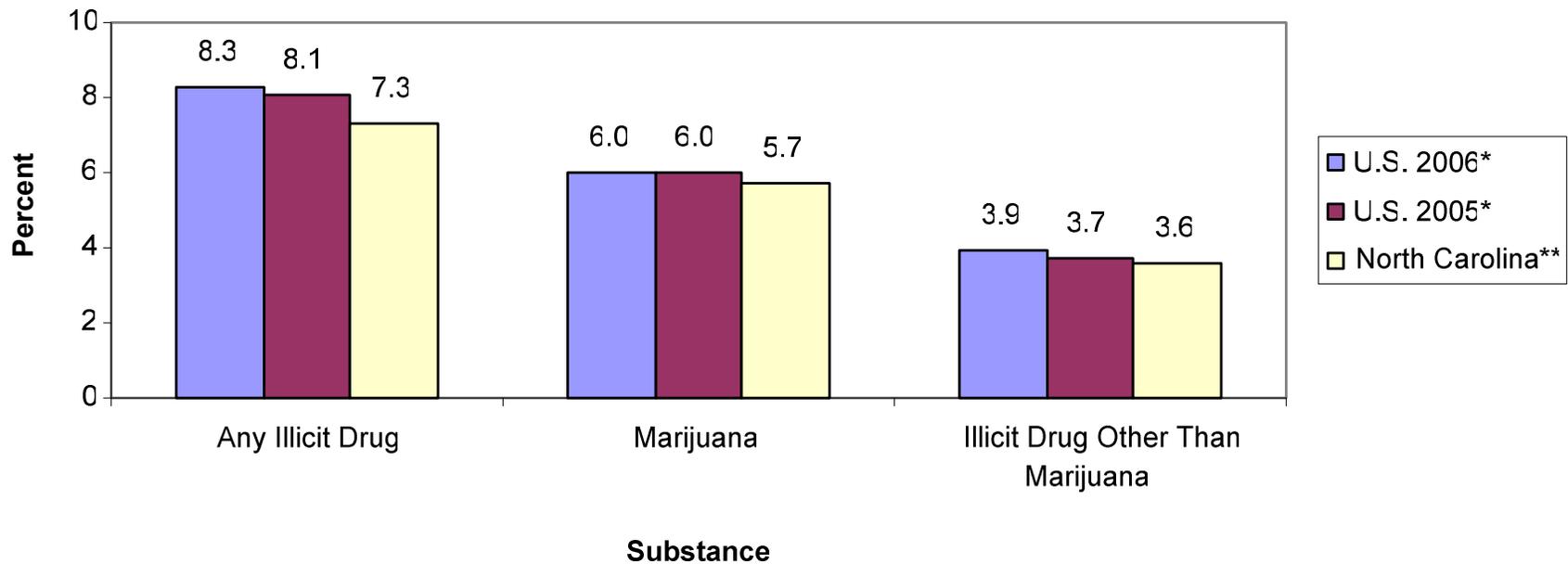
*Data for persons aged 12 or older from the 2005 and 2006 National Surveys on Drug Use and Health (NSDUHs).

**Data for alcohol use, binge alcohol use, and any illicit drug use among persons aged 12 or older are model-based estimates from combined 2004 and 2005 NSDUHs.

***Data for binge alcohol use among persons aged 18 or older in North Carolina are from the 2006 Behavioral Risk Factor Surveillance System (BRFSS).

Illicit Drug Use (past month)

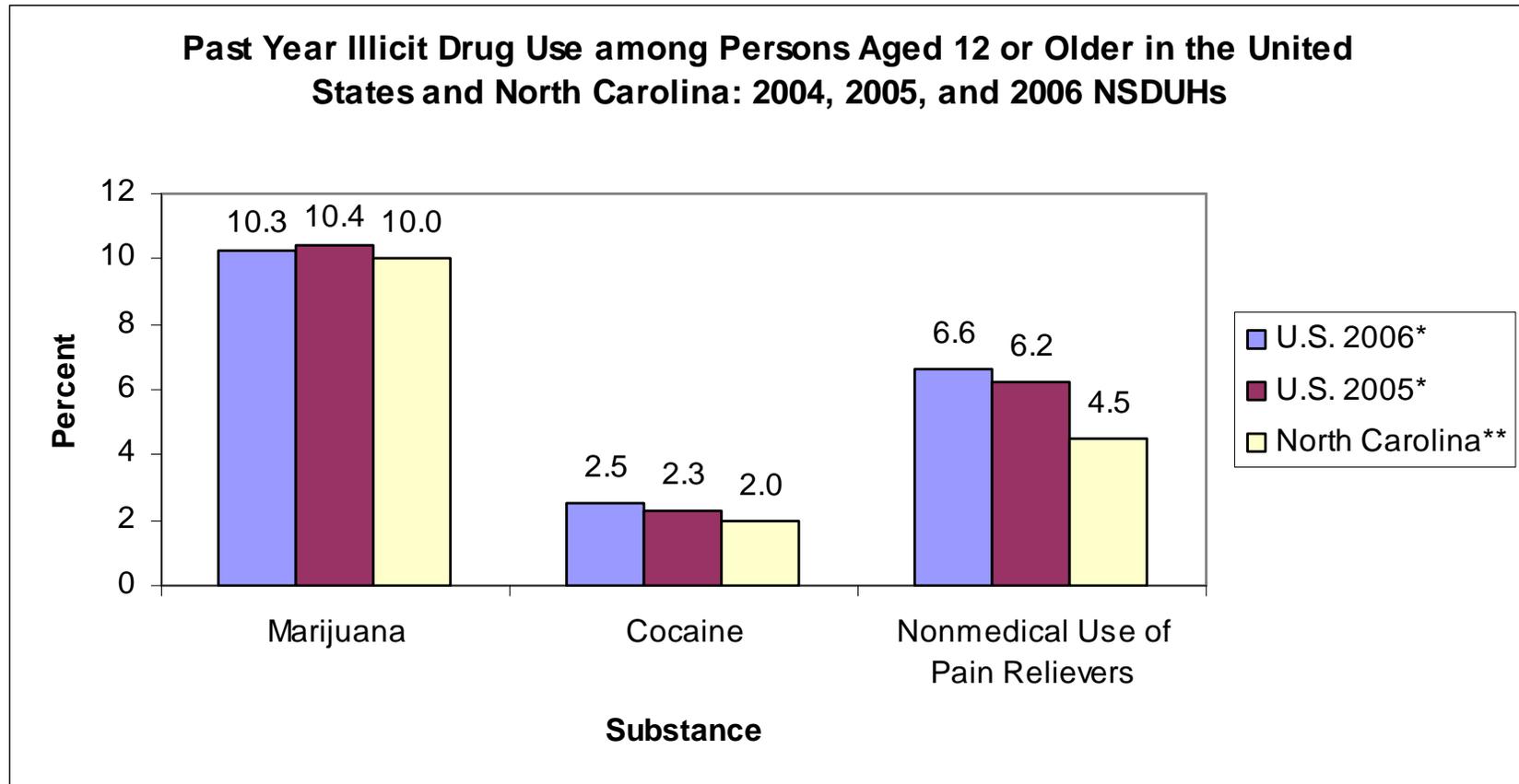
Past Month Illicit Drug Use among Persons Aged 12 or Older in the United States and North Carolina: 2004, 2005, and 2006 NSDUHs



*Data for persons aged 12 or older from the 2006 National Survey on Drug Use and Health (NSDUH).

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Illicit Drug Use (past year)

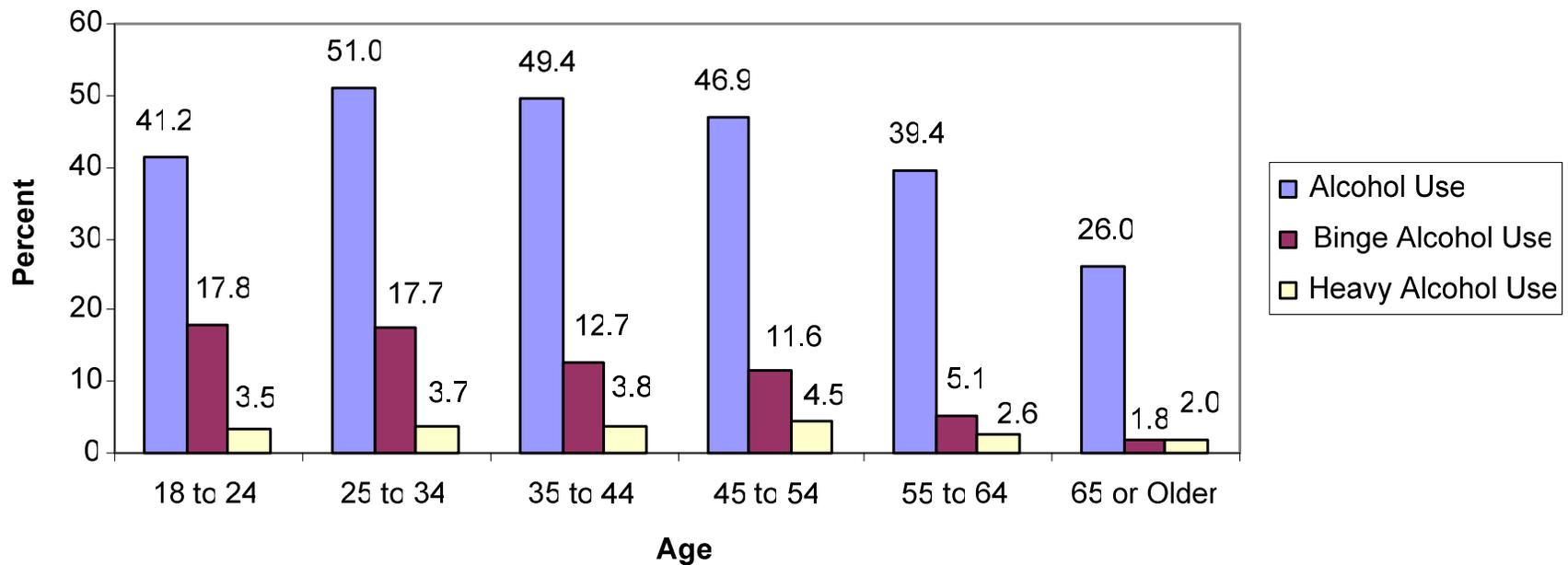


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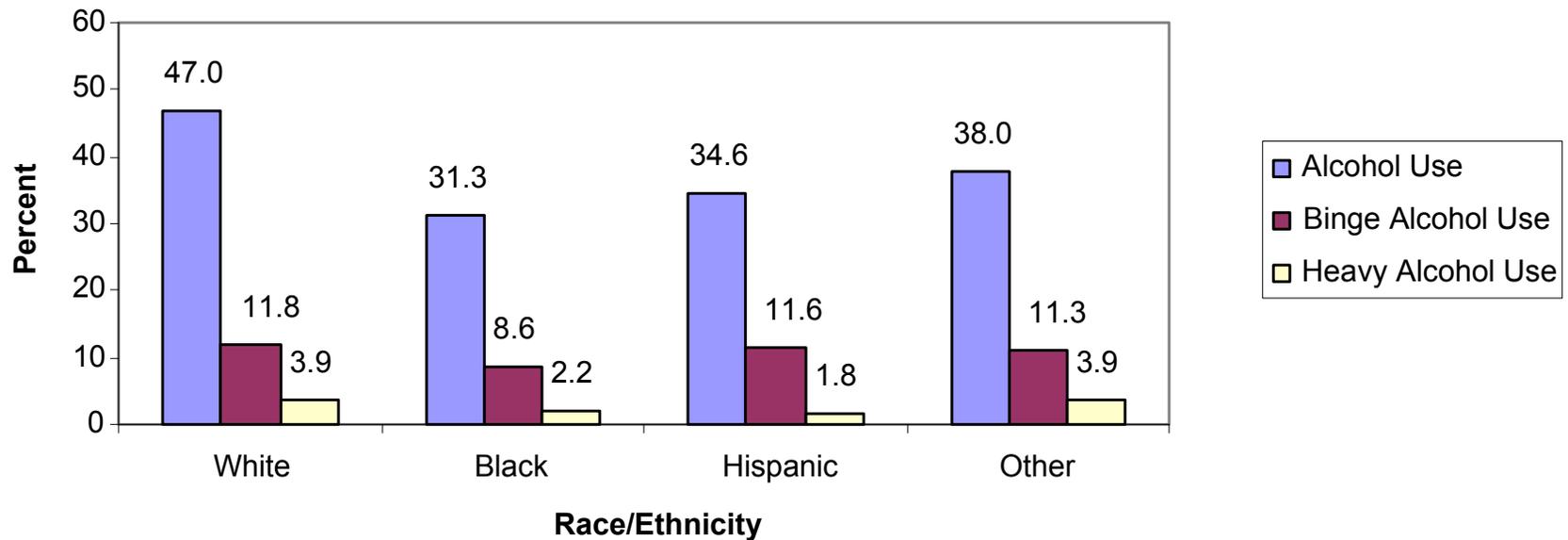
Alcohol Use by Age (past month)

Past Month Alcohol Use among Persons Aged 18 or Older in North Carolina, by Age: BRFSS 2006



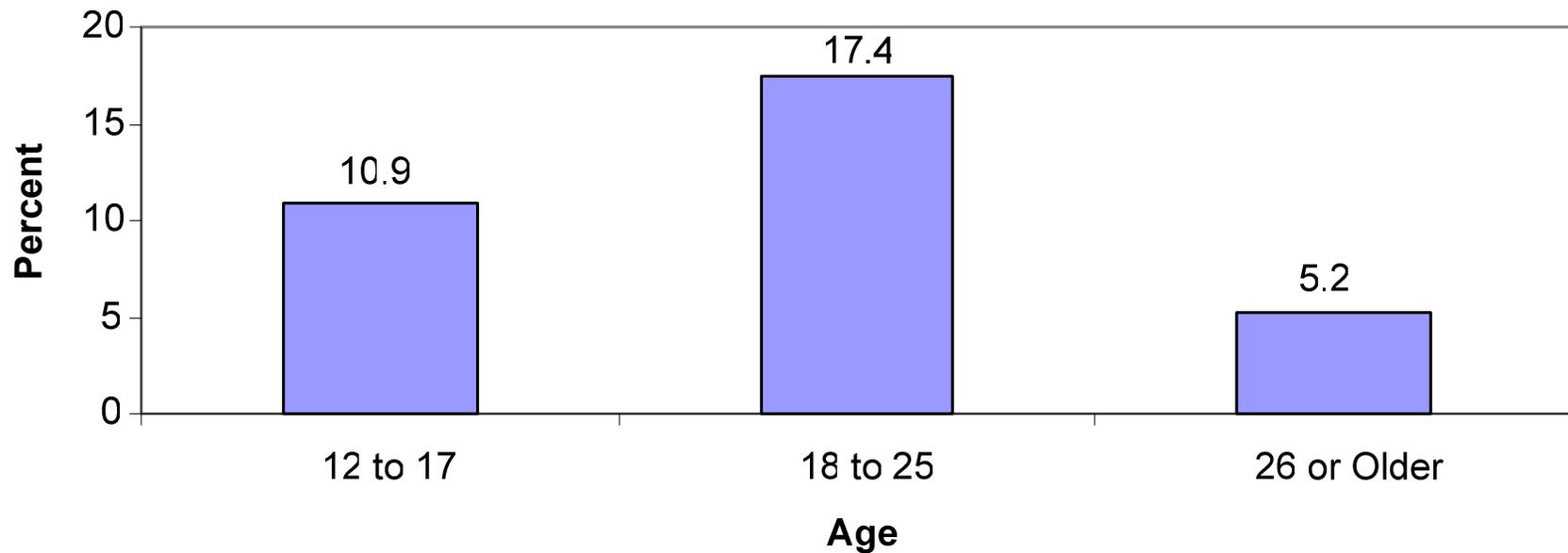
Alcohol Use by Race/Ethnicity (past month)

Past Month Alcohol Use among Persons Aged 18 or Older in North Carolina, by Race/Ethnicity: BRFSS 2006

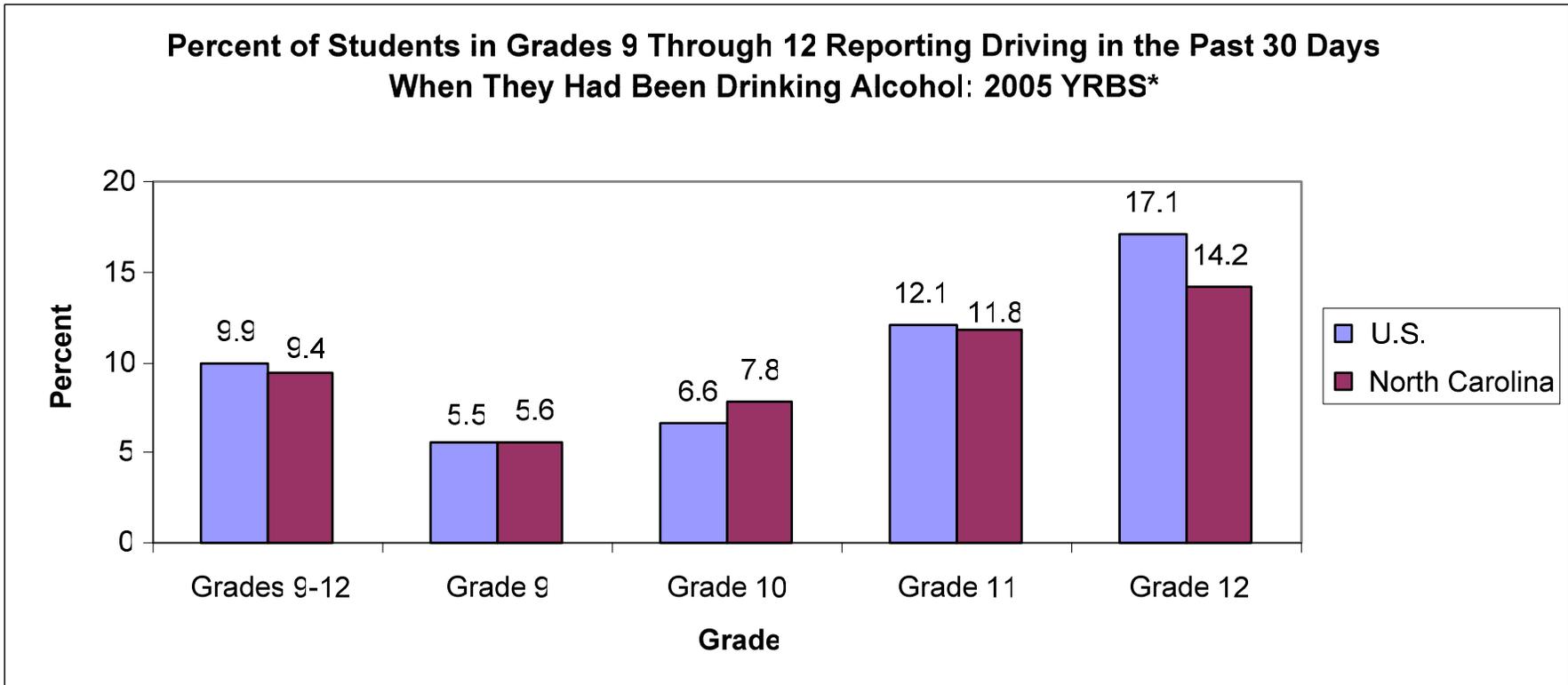


Any Illicit Drug Use by Age

Any Illicit Drug Use among Persons Aged 12 or Older in North Carolina, by Age: 2004-2005 NSDUHs



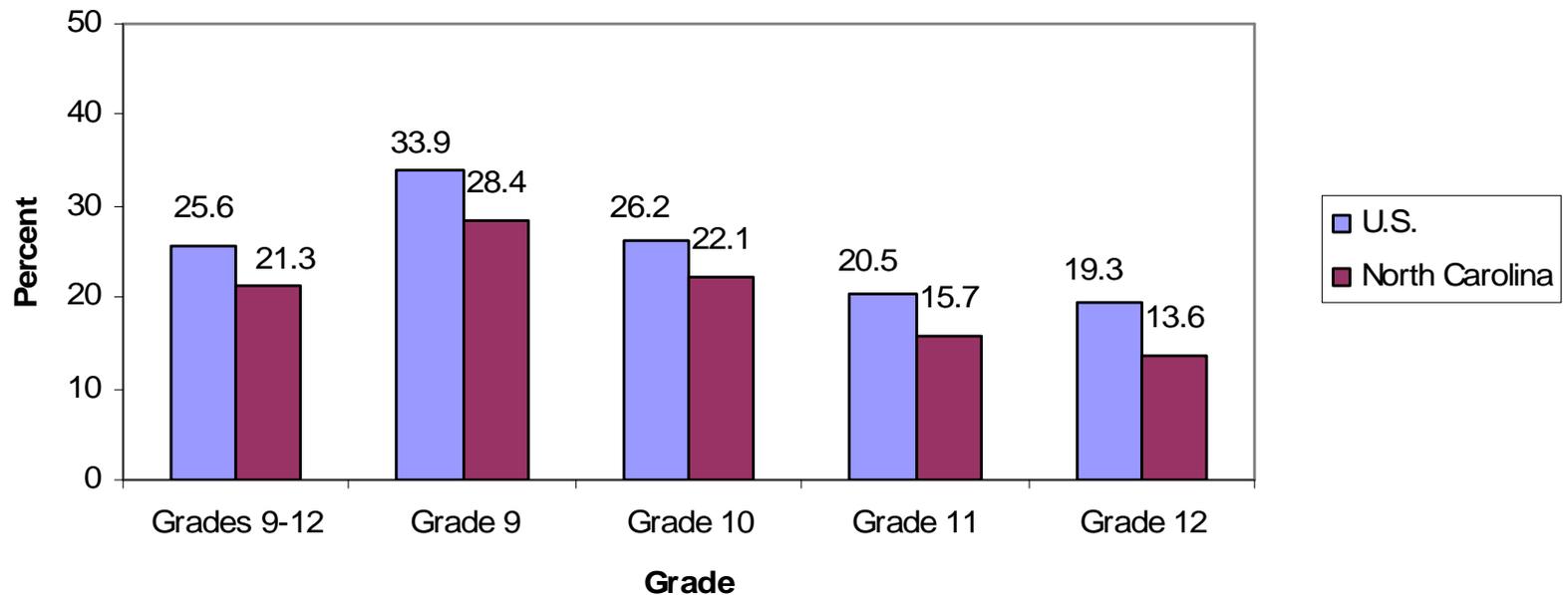
Drinking & Driving



*Number of students from the 2005 YRBS. Denominator of number of students by grade from NC Department of Public Instruction.

Age of Initiation

Percent of Students in Grades 9 Through 12 Who Report First Use of Alcohol Before Age 13: 2005 YRBS*



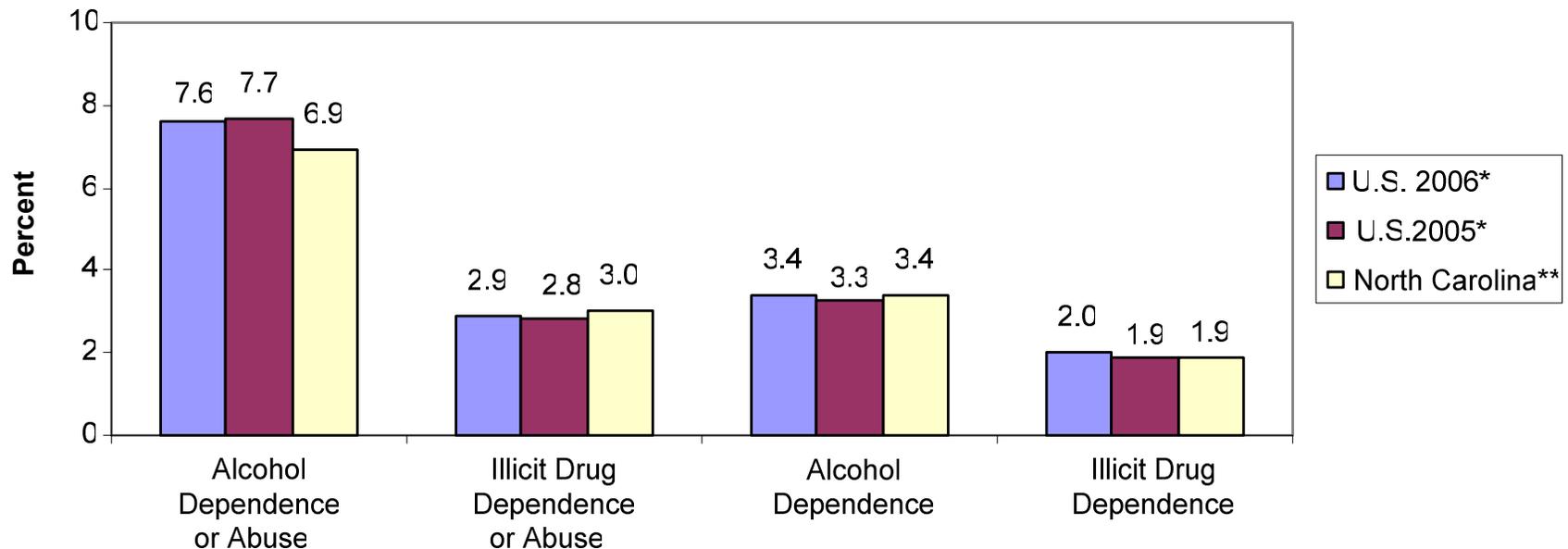
*Number of students from the 2005 YRBS. Denominator of number of students by grade from NC Department of Public Instruction.

Consequences

- Alcohol Dependence
- Illicit Drug Dependence
- Alcohol-related traffic deaths
- Alcohol-related crashes & deaths
- Drug-related arrests (18+)
- Drug overdose deaths
- Possession of controlled substances (Grades K-12)

Substance Abuse or Dependence

Past Year Substance Abuse or Dependence among Persons Aged 12 or Older in the United States and North Carolina: 2004, 2005, and 2006 NSDUHs

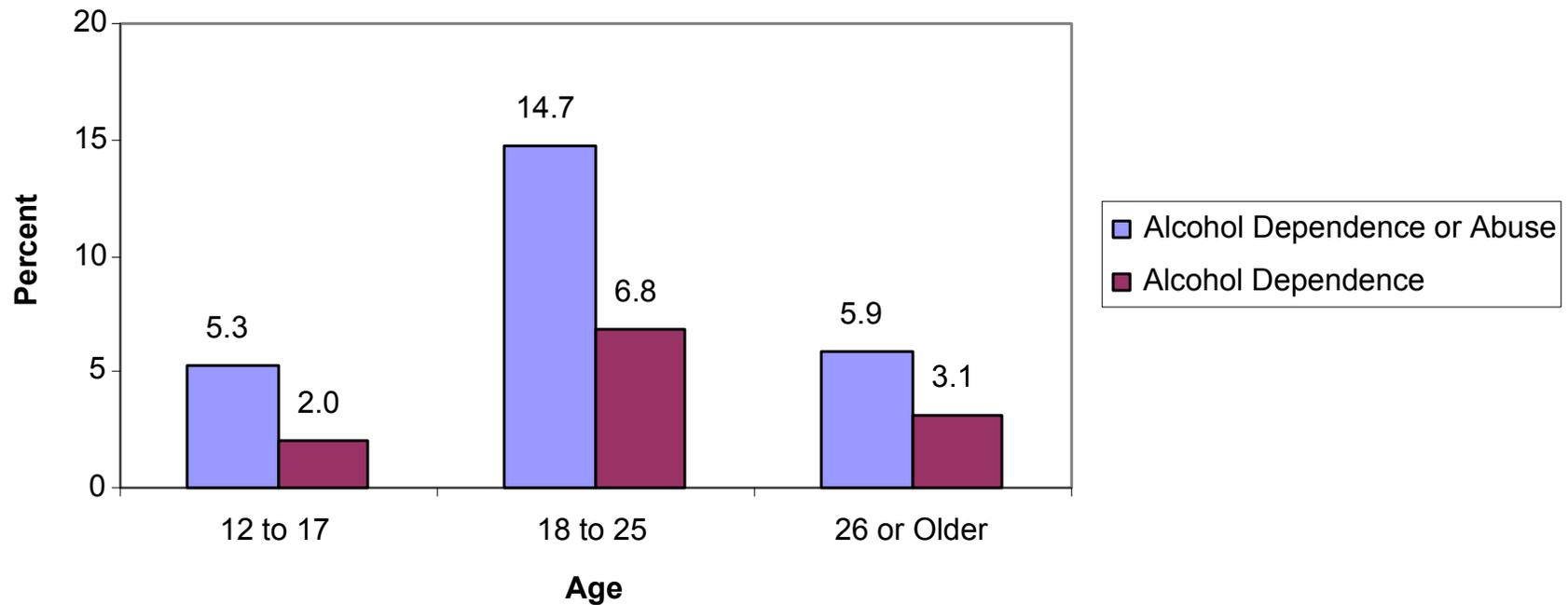


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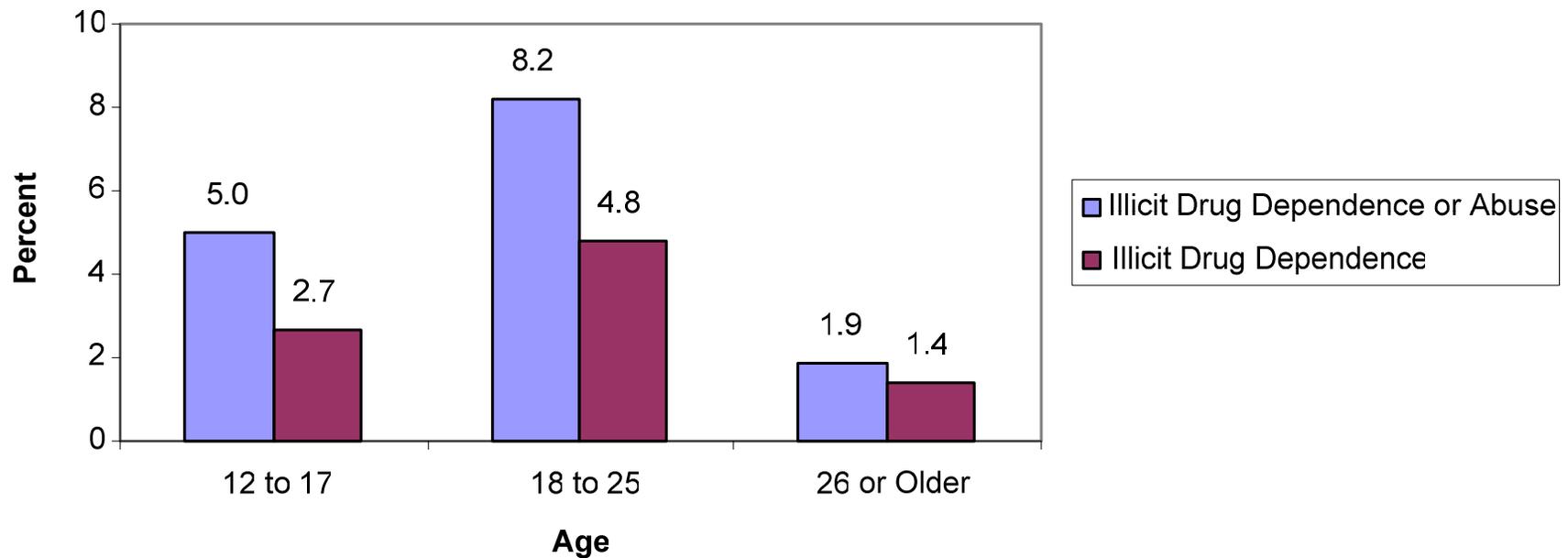
Alcohol Dependence & Abuse

Alcohol Dependence and Abuse among Persons Aged 12 or Older in North Carolina, by Age: 2004-2005 NSDUHs

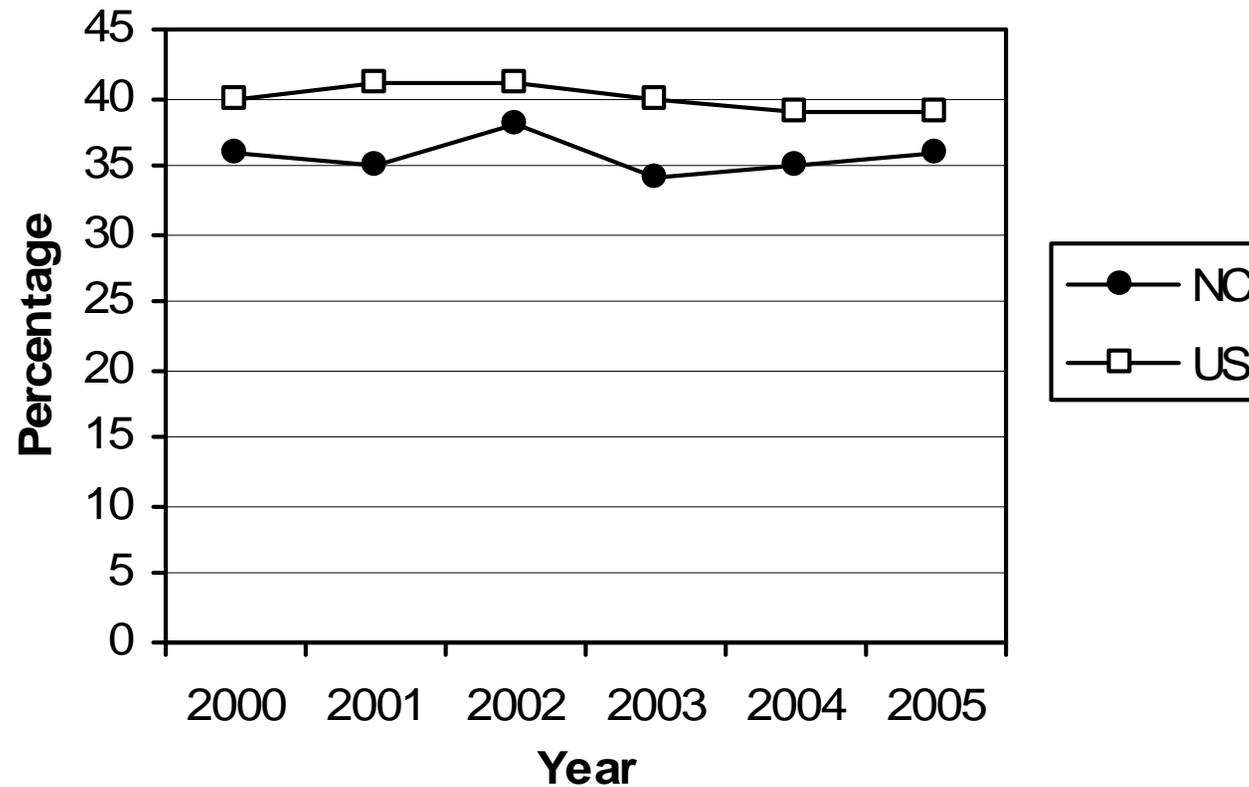


Illicit Drug Dependence

Illicit Drug Dependence or Abuse among Persons Aged 12 or Older in North Carolina, by Age: 2004-2005 NSDUHs

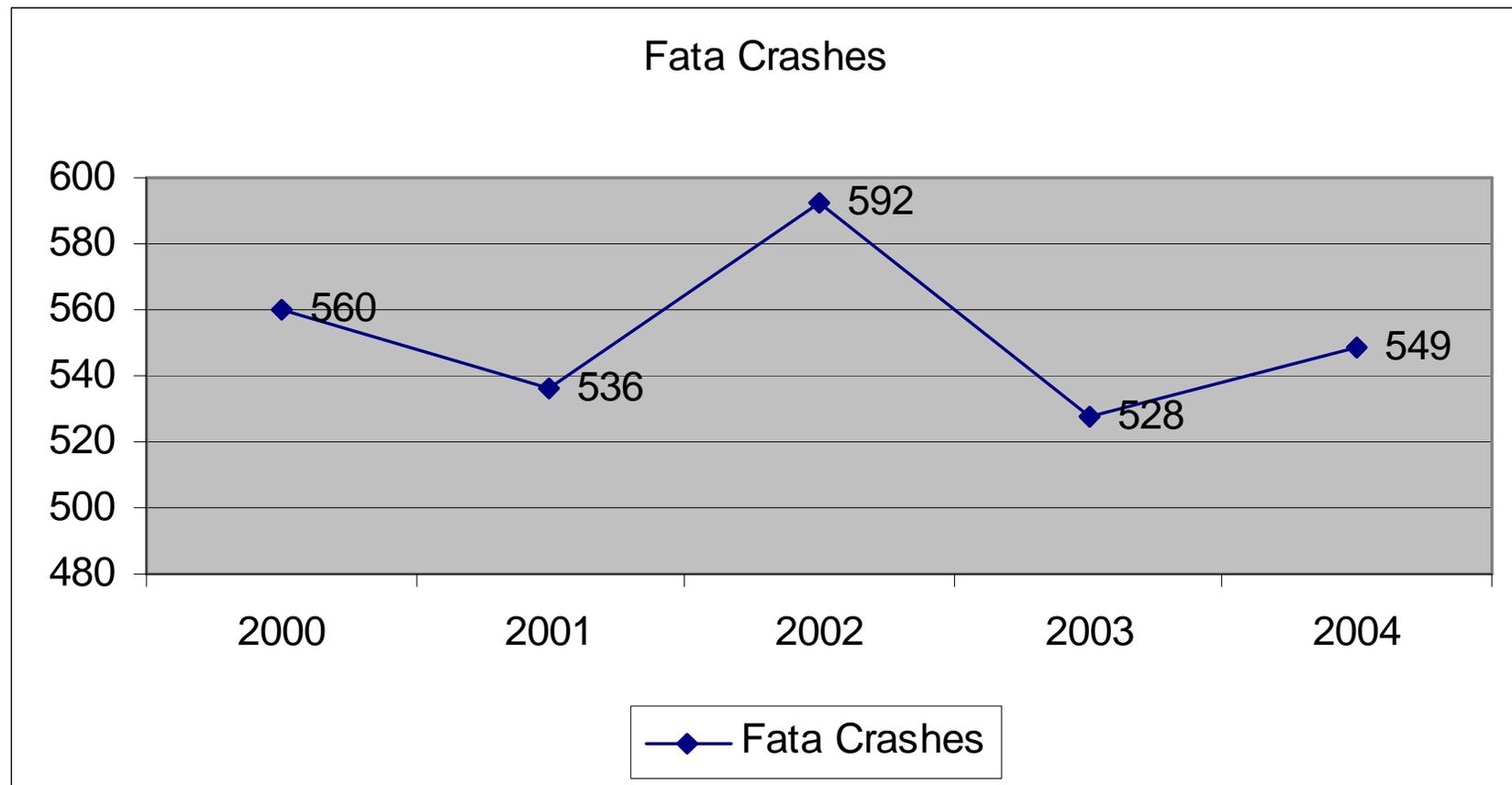


Percentage of Total Traffic Deaths that Were Alcohol-Related: 2000 to 2005



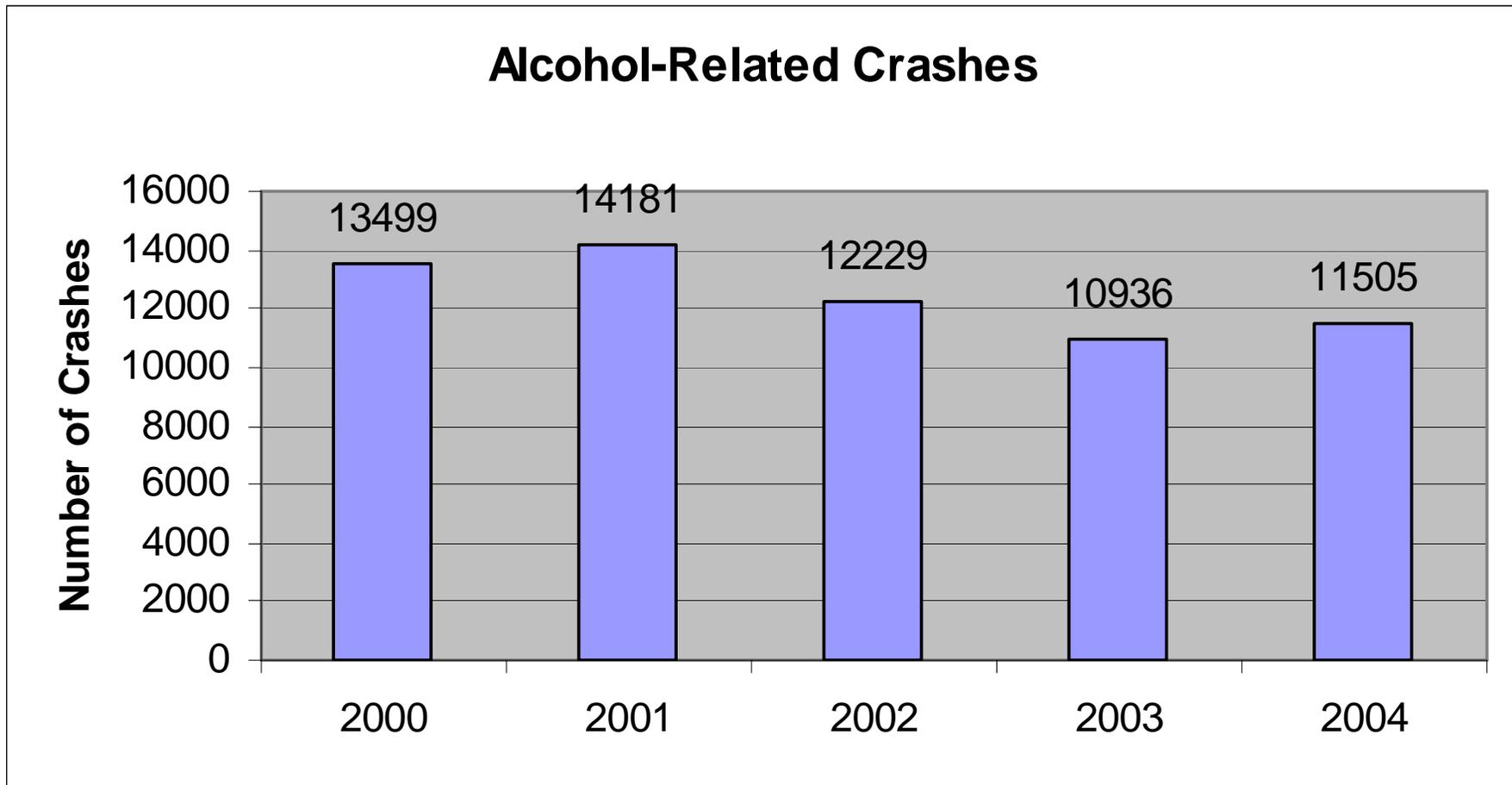
Number of Fatal Alcohol-Related Crashes

Source: DMV

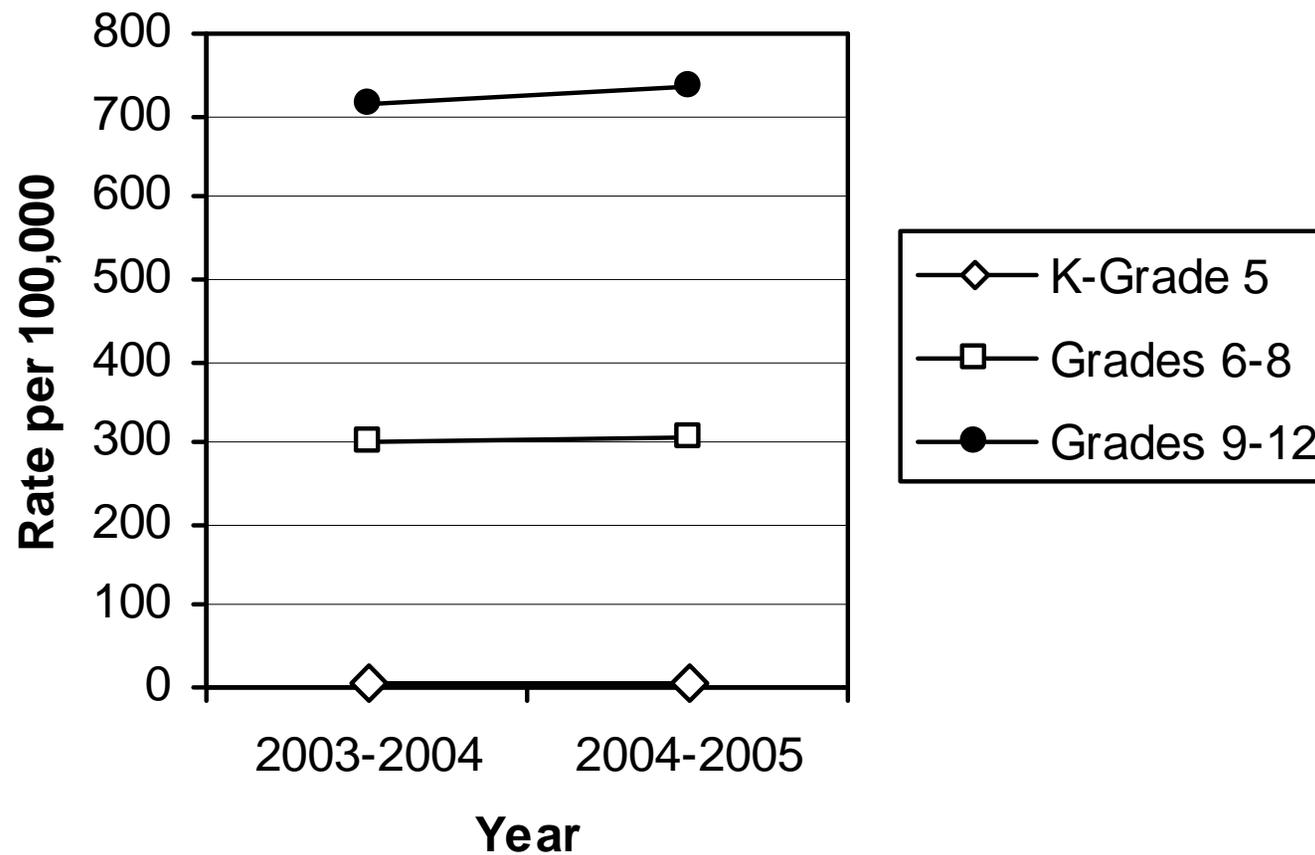


Total Number of Alcohol-Related Crashes

Source: DMV



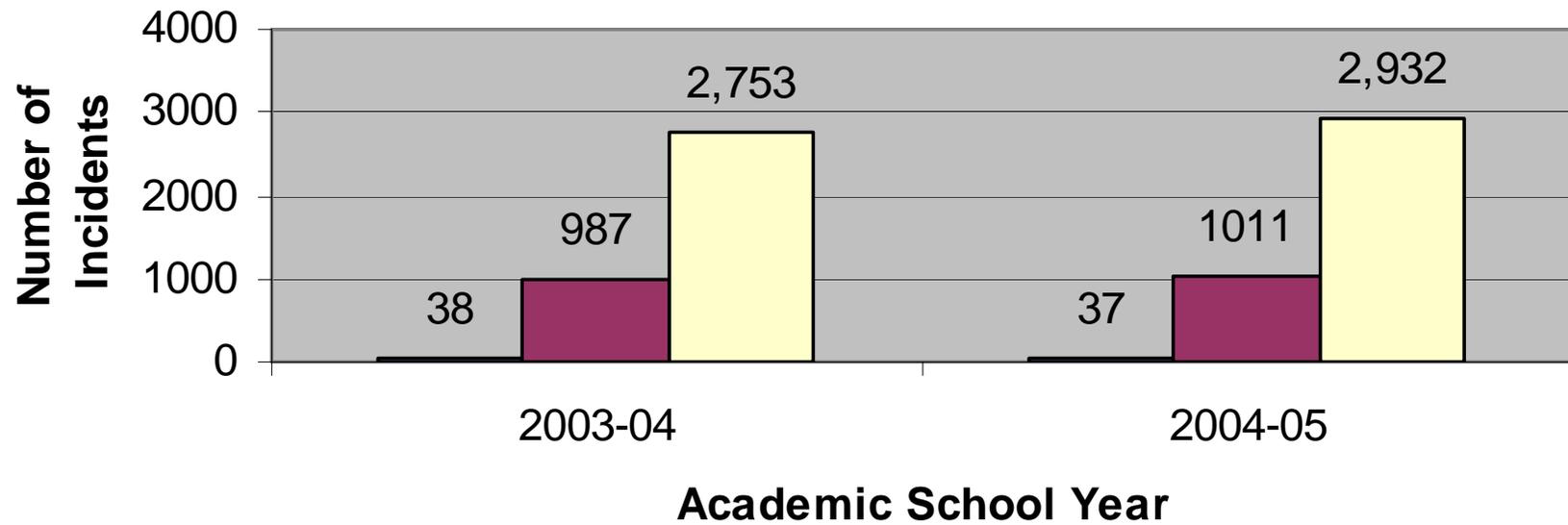
Rate of Possession of a Controlled Substance, Cases Disposed per 100,000



Controlled Substances on School Property

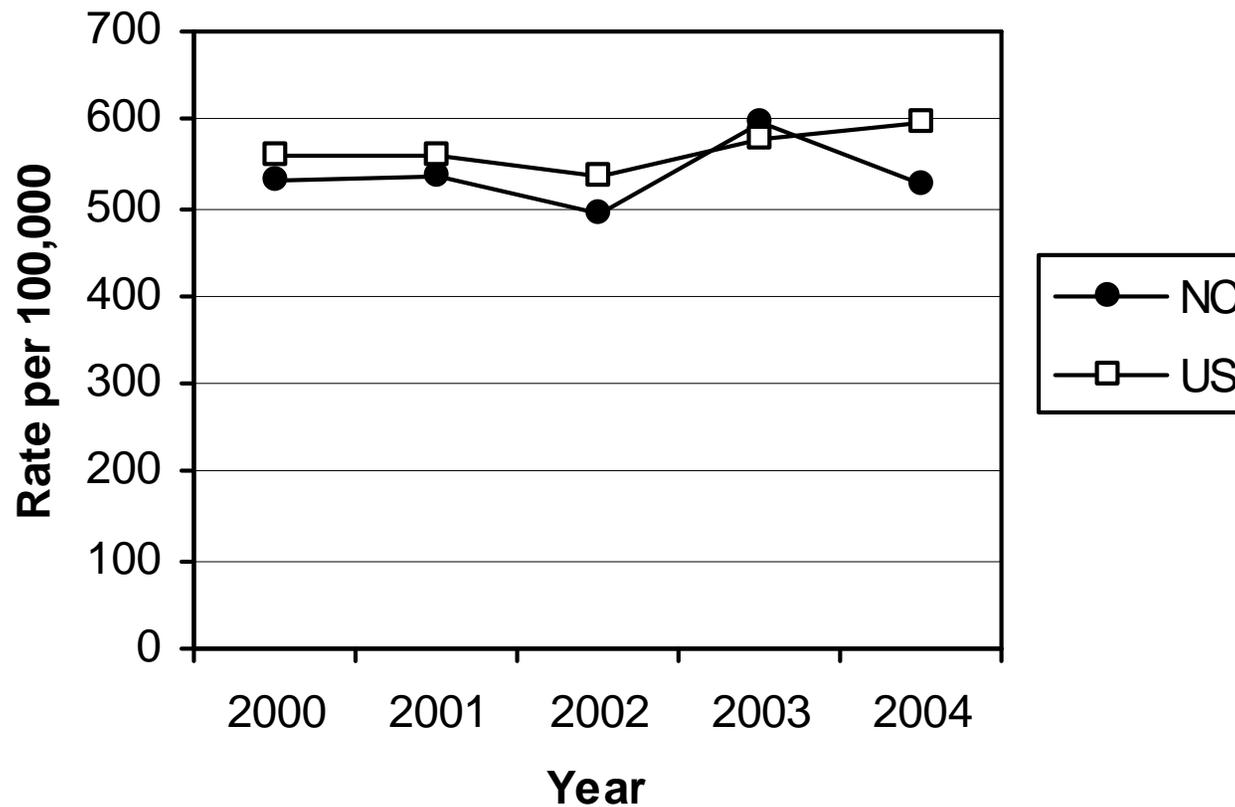
Source: NC-DPI

Possession of Controlled Substances

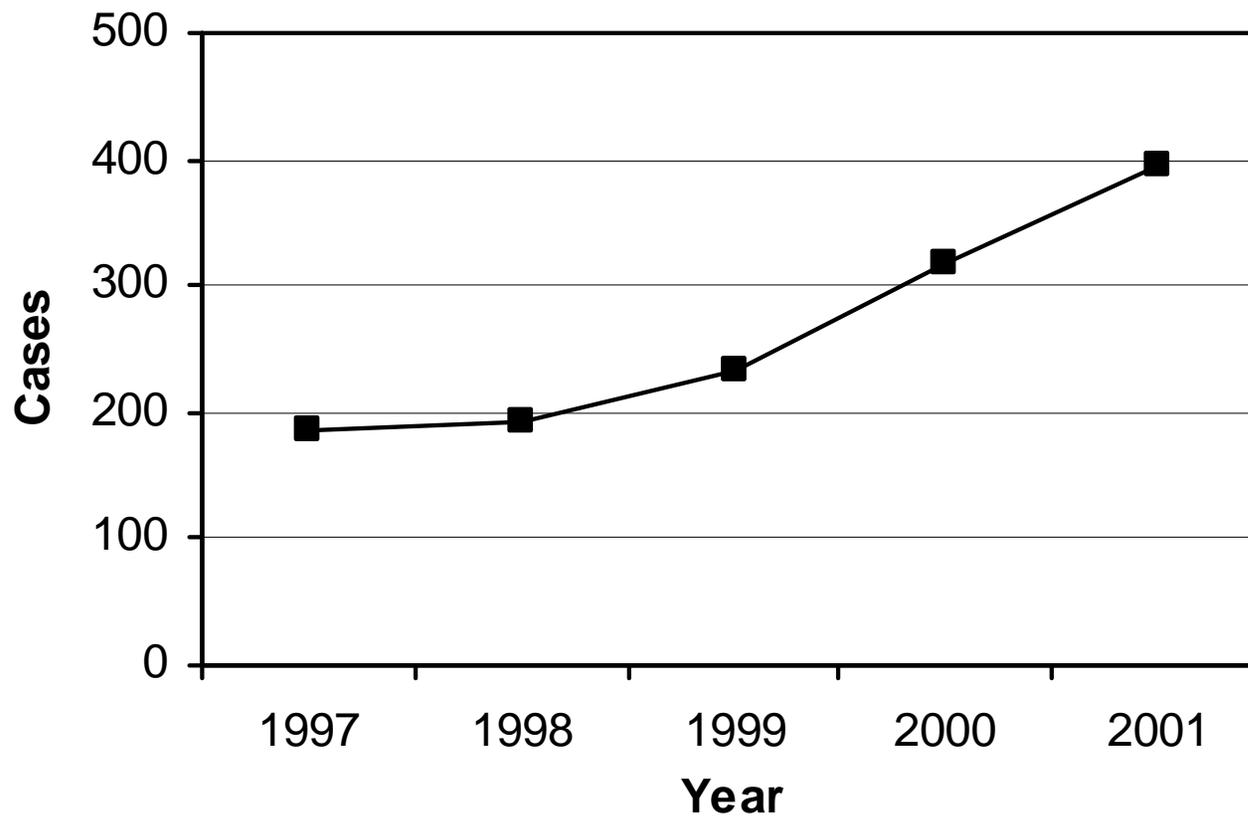


■ Grade K-5 ■ Grade 6-8 ■ Grade 9-12

Rates of Arrests of Adults (18+) for Drug Law Violations per 100,000: 2000 to 2004

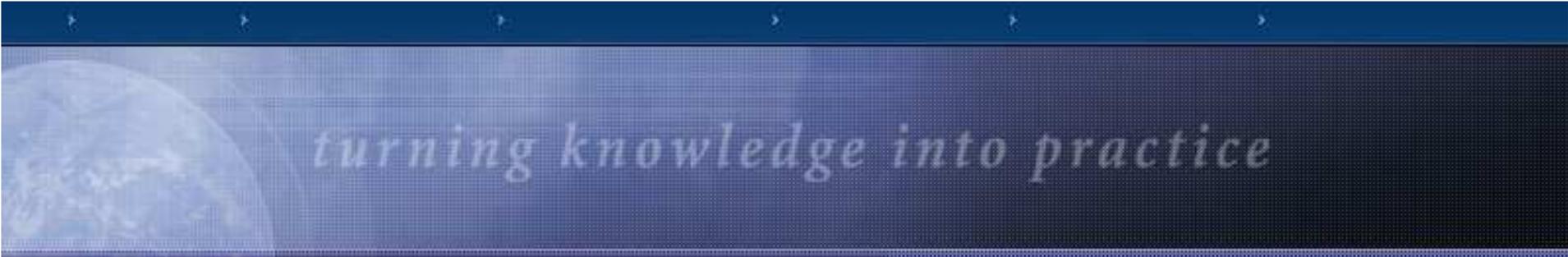


Number of Cases of Drug Overdose Mortality



Emerging Issues

- DEA Drug Seizures
- Substance Abuse by the Elderly
- Substance Abuse Among Immigrant Populations



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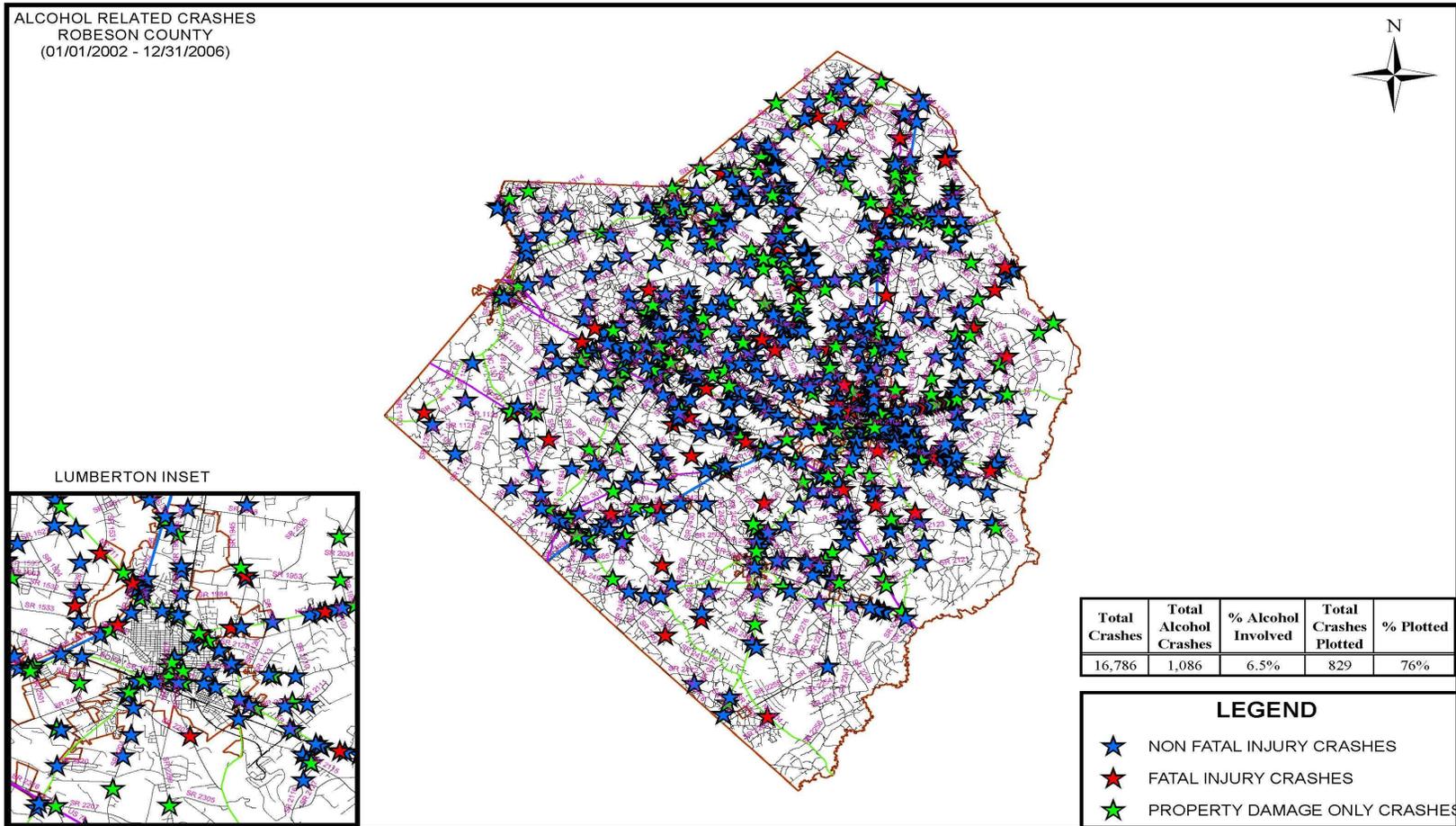
Immigrant & Minority Populations

Alcohol-Related Crashes and Fatalities

Alcohol-Related Crashes/Fatalities

Measure	Year			
	2002–2006 Combined		2006 Only	
	Male	Female	Male	Female
White	178	50	31	13
Black	172	41	29	10
Native American	233	89	36	21
Hispanic	212	5	55	1
Asian	5	0	3	0
Other	13	1	2	0

Location of Alcohol-Related Crashes and Fatalities (2002–2006)



Limitations

- Limited County-level data
 - Solution: School-level
 - ◆ Annual surveys in all schools
 - Solution: College-age populations
 - ◆ Risky behavior surveys in all institutions of higher education
 - Elderly population
 - ◆ Solution: Over sample in BRFSS

Conclusions

- Consumption
 - Alcohol, Tobacco, & Other Drugs
- Consequences
 - Alcohol, & Illicit drug
- The future
 - Understanding what, who, where, & why

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Questions

