

In their Eyes: An Average Child's View of their World

April 2015

University of Delaware Center for Drug and Health Studies
Based on the 2014 Delaware School Surveys
And the 2013 Delaware Youth Risk Behavior Survey

The Delaware High School Youth Risk Behavior Survey

Since 1993 (CDHS has conducted since 1999)

In 2013:

2,797 Delaware Public High School Students (85% response rate)

- **Grades 9-12**
- **Substance Use**
- **Personal Safety**
- **Depressive/Suicidal Behaviors**
- **Nutrition**
- **Exercise**
- **Sexual Behaviors**



The Delaware School Survey

Since 1989 (CDHS has conducted since 1995)

In 2014

95% of **5th** grade enrollment (n=7,545)

86% of **8th** grade enrollment (n=6,689)

63% of **11th** grade enrollment (n=4,675)

- **Grades 5, 8, and 11 Delaware Public Schools**
- **Substance Use**
- **Delinquent Behaviors and Gambling**
- **School Climate and Family Climate**
- **Peer Behaviors**
- **Risk-Taking/Impulsivity**



Let's take a look at an average
Delaware child . . .





This is Sophia.



Sophia just started Kindergarten. She lives in our most densely populated county, one of over 5,000 Delaware girls her age, one of over 10,000 children her age.



Sophia, like half of all children born in Delaware, received WIC. Her mom, a single parent, works and takes classes at Del Tech so she can eventually better support her two girls.



Sophia has had health insurance through Medicaid and the Delaware Healthy Children Program, and attends day care with Purchase of Care payments. The State of Delaware has a BIG investment in her.



She is
healthy,
happy,
smart,
and
secure.



Sophia
cares for
others,
especially
her active
younger
sister.



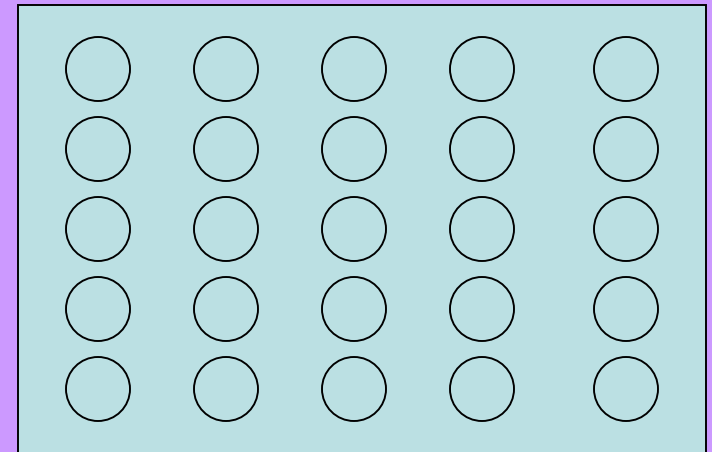


She is involved in the community,

and has
dreams for
the future.

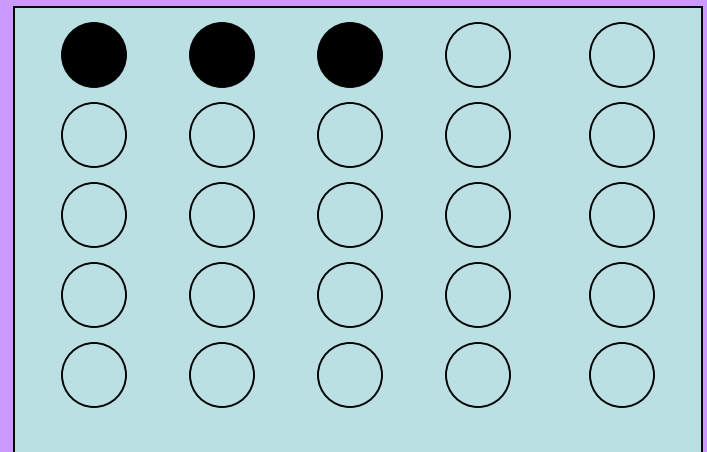


Someday, Sophia will be part of an average classroom of 25 students.

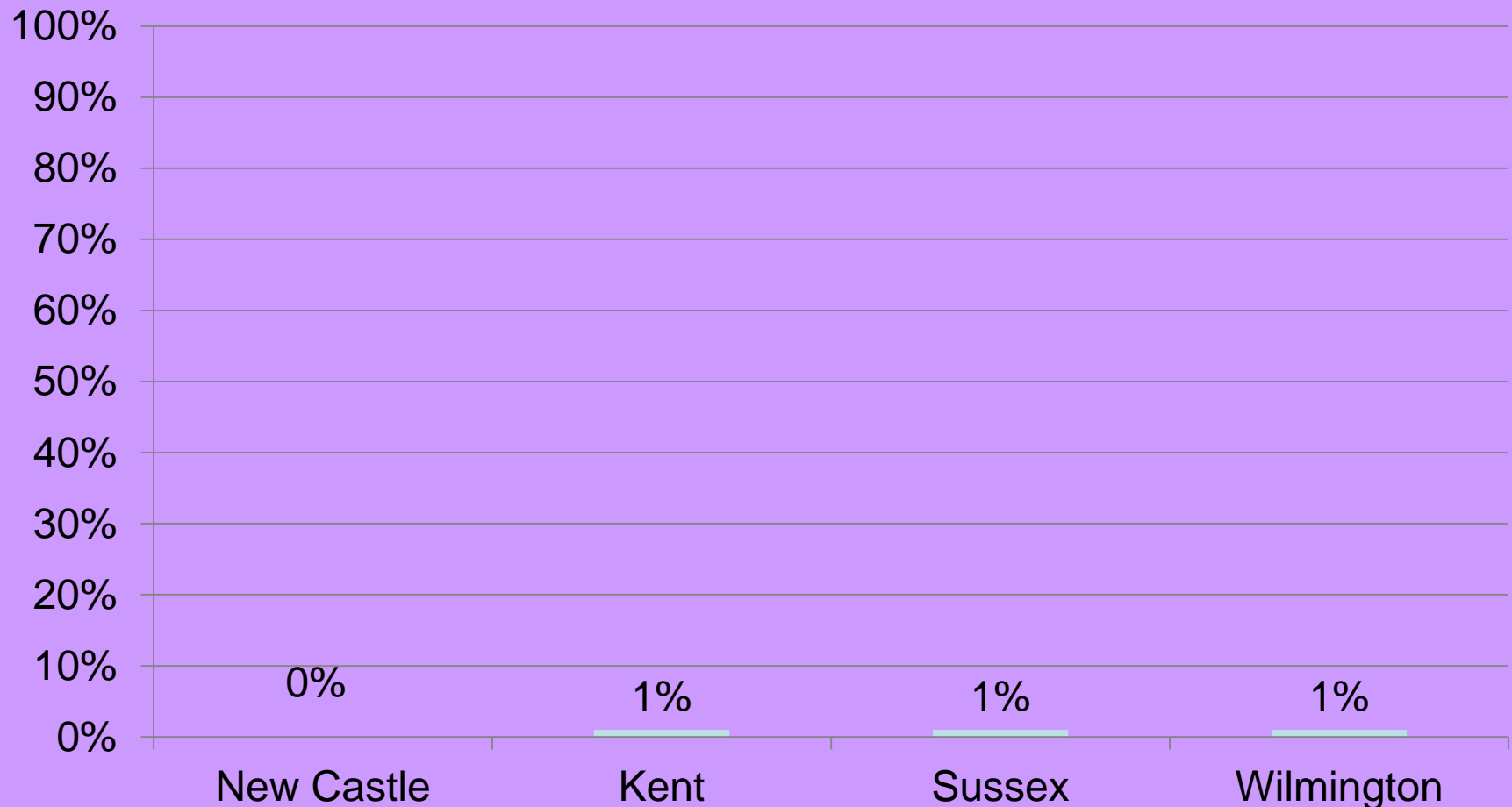


In the average 5th grade classroom:

- **11% will have tried an alcoholic drink** (not just a sip) this represents about 3 children in Sophia's classroom; only 15% will perceive great risk in one or two drinks, and fewer than half (43%) will perceive great risk in daily use.



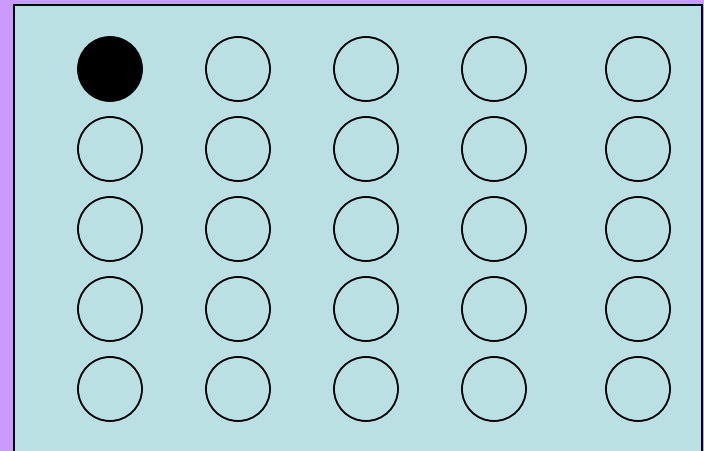
5th Grade past month alcohol consumption by Sub-state Planning Area



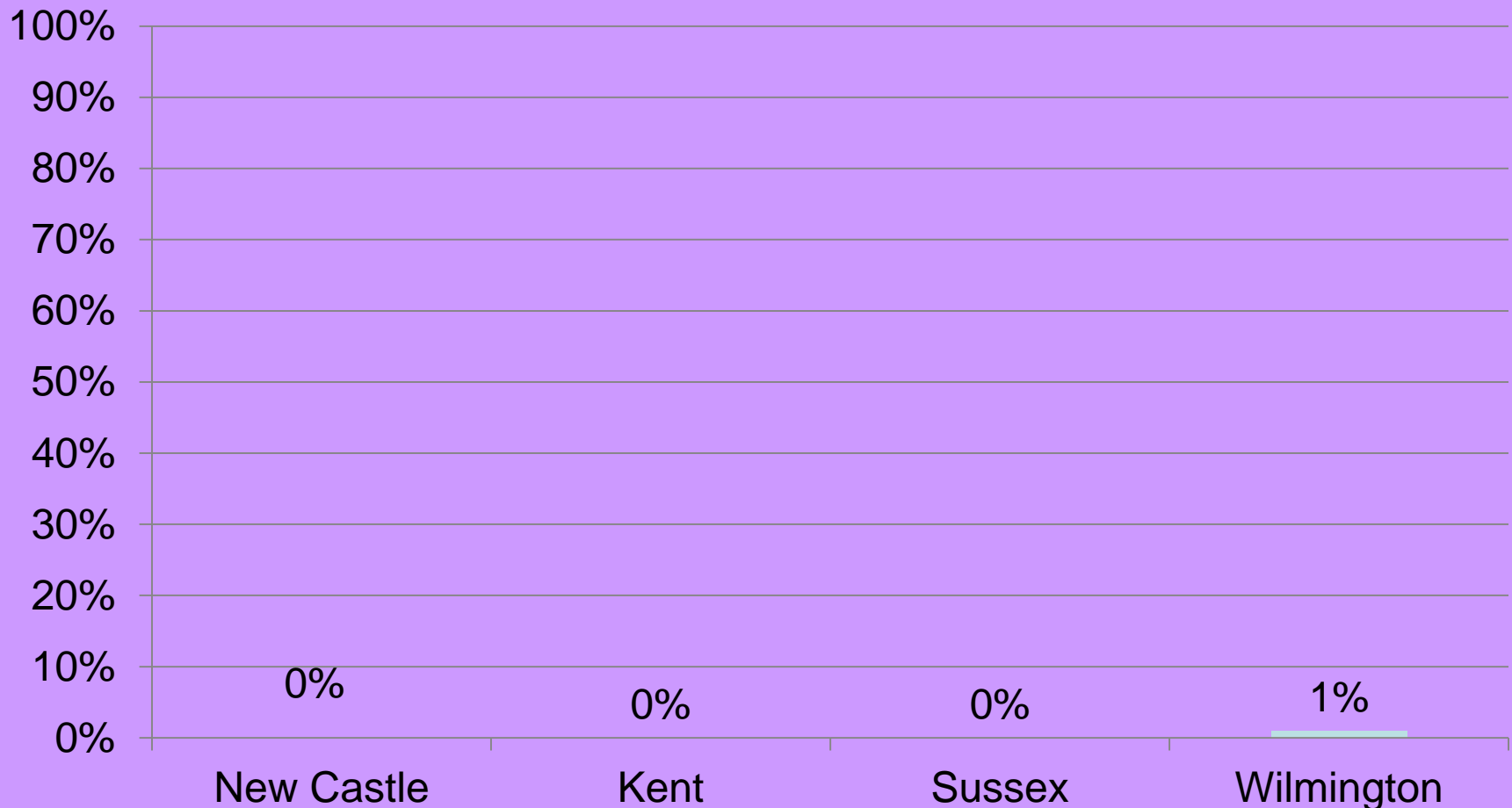
Source: 2014 Delaware School Survey, University of Delaware Center for Drug and Health Studies



3% will have tried cigarettes (more than a few puffs); this represents 1 student in Sophia's average 5th grade classroom of 25 students; 54% will perceive great risk from smoking a pack or more per day.



5th Grade past month cigarette smoking by Sub-state Planning Area



Source: 2014 Delaware School Survey, University of Delaware Center for Drug and Health Studies



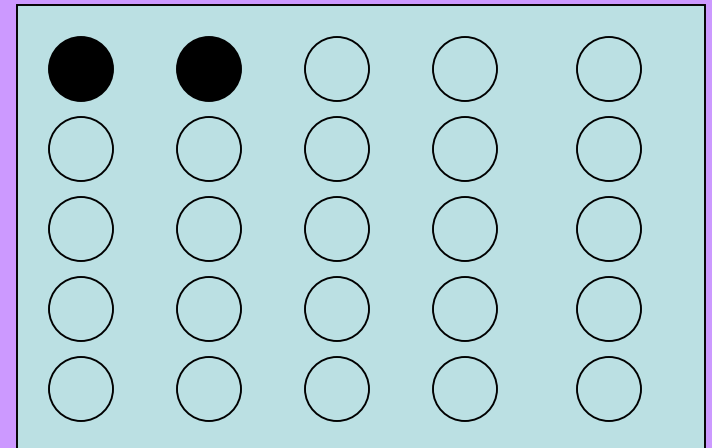


Nearly **1 in 4** Delaware 5th graders live with a parent who smokes cigarettes. **40%** live with someone who smokes.

The more time children spend with a smoker, the more likely they are to become smokers. A child who reports being in a room or car with a smoker daily is **4 times more likely to smoke** than a child who reports not being exposed to environmental smoke.

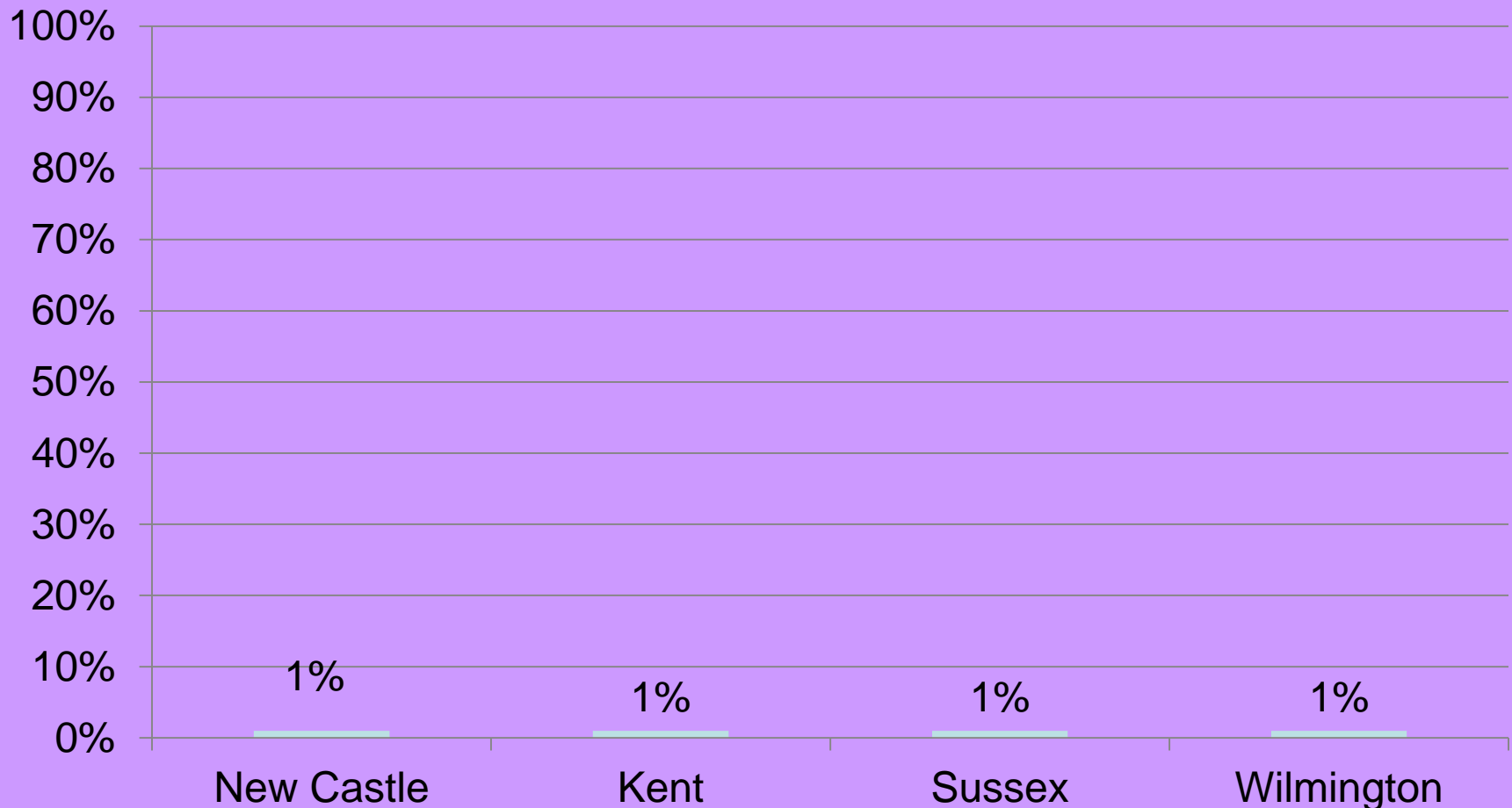
- **8% of 5th graders have tried inhalants, the most commonly reported substance after alcohol—while alcohol may have been consumed in family celebration contexts, this is unlikely to be the case for inhalants**

2 students in the average classroom will have experimented with inhalants; only 17% will perceive great risk in trying them



Source: 2014 Delaware School Survey, University of Delaware Center for Drug and Health Studies

5th Grade past month inhalant use by Sub-state Planning Area



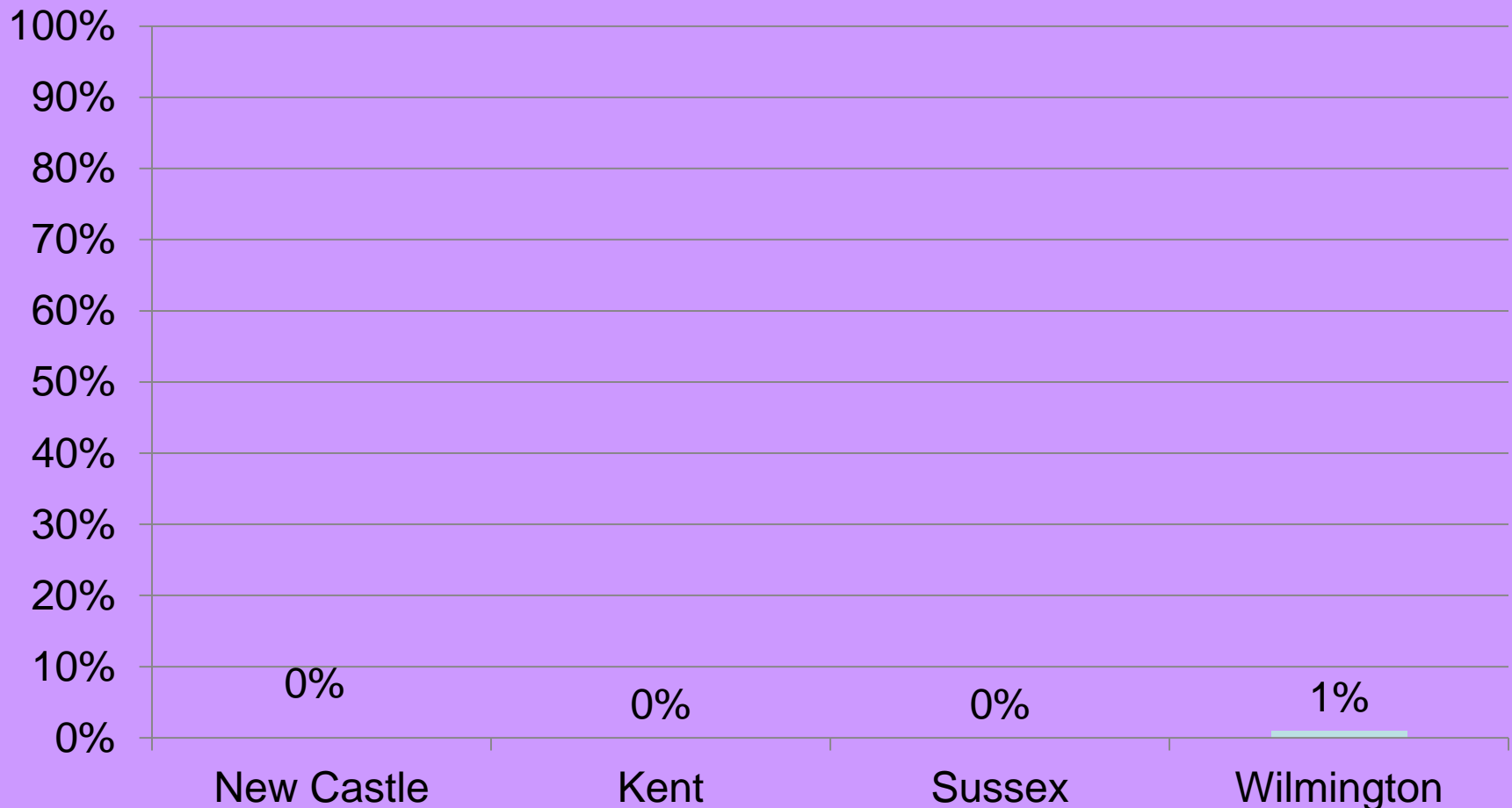


1% of 5th graders will have tried marijuana; while this number is still low, only 27% perceive great risk in trying marijuana



Source: 2014 Delaware School Survey, University of Delaware Center for Drug and Health Studies

5th Grade past month marijuana use by Sub-state Planning Area

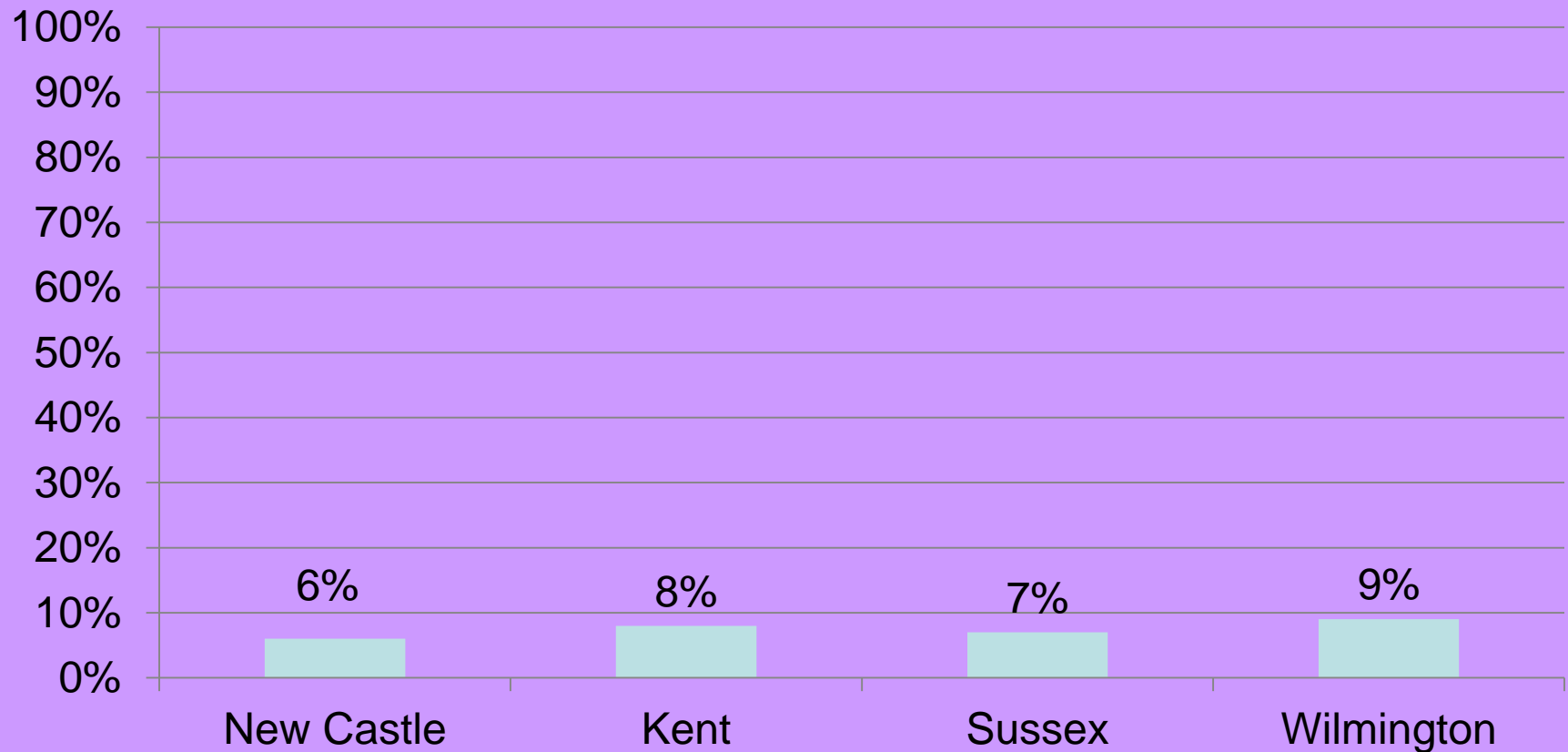


Most 5th grade students (94%) report that their parents ask if they have completed their homework, and most (97%) say their parents show it when they are proud of the students.

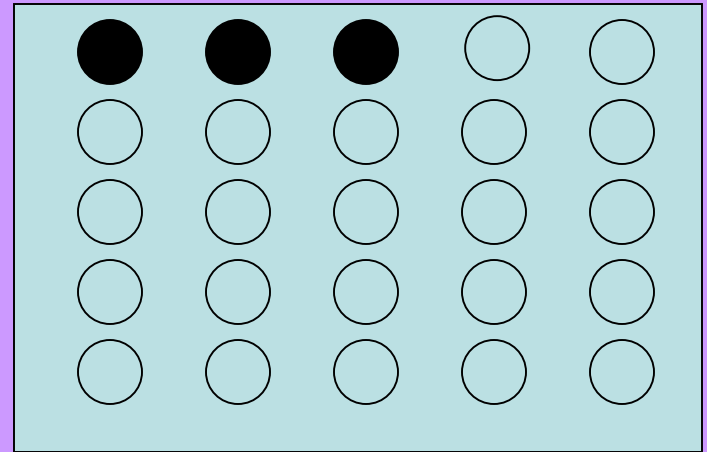


Approximately 7% of 5th graders reports they have seen or heard adults in their home hurting each other in the past year.

5th Grade witnessing of domestic violence by Sub-state Planning Area



13% of 5th
graders have
been in a fight at
school in the
past year



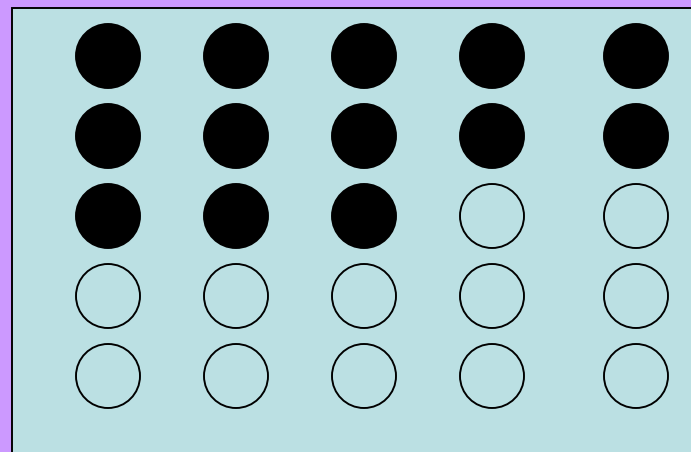
**39% feel that fighting is a
problem in their school.**

***2 in 3 fifth graders feel that the misbehavior of
some students in their school keeps teachers
from teaching those who want to learn***

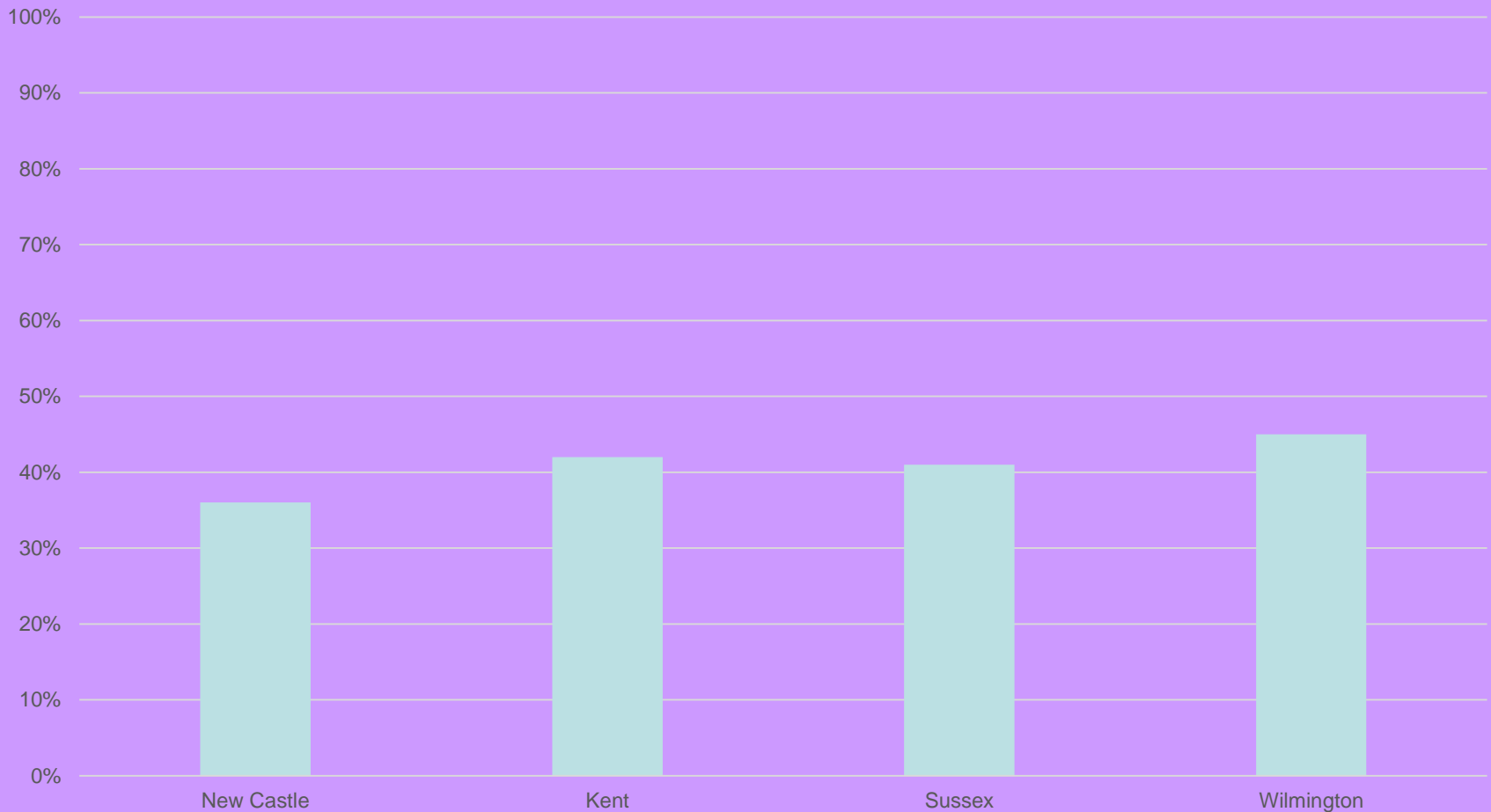


38% of 5th graders have bet money on lottery tickets, team sports, card games, Bingo, games of skill, or video games in the past year.

Source: 2014 Delaware School Survey, Center for Drug and Health Studies, University of Delaware



5th Grade gambling by Sub-state Planning Area



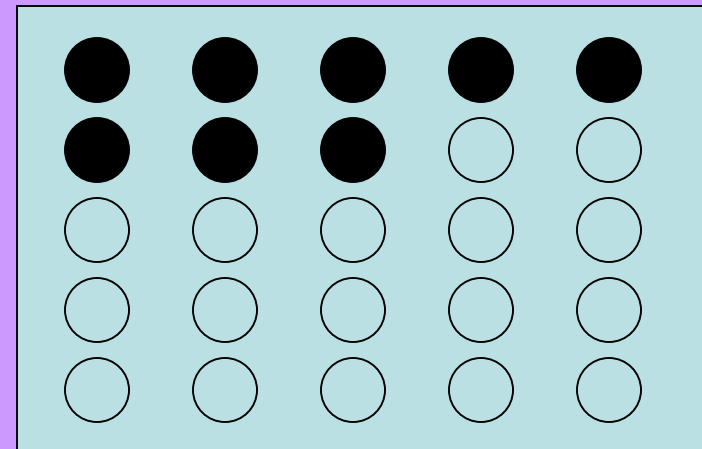
Source: 2014 Delaware School Survey, Center for Drug and Health Studies,
University of Delaware



By the time Sophia is in
8th grade:

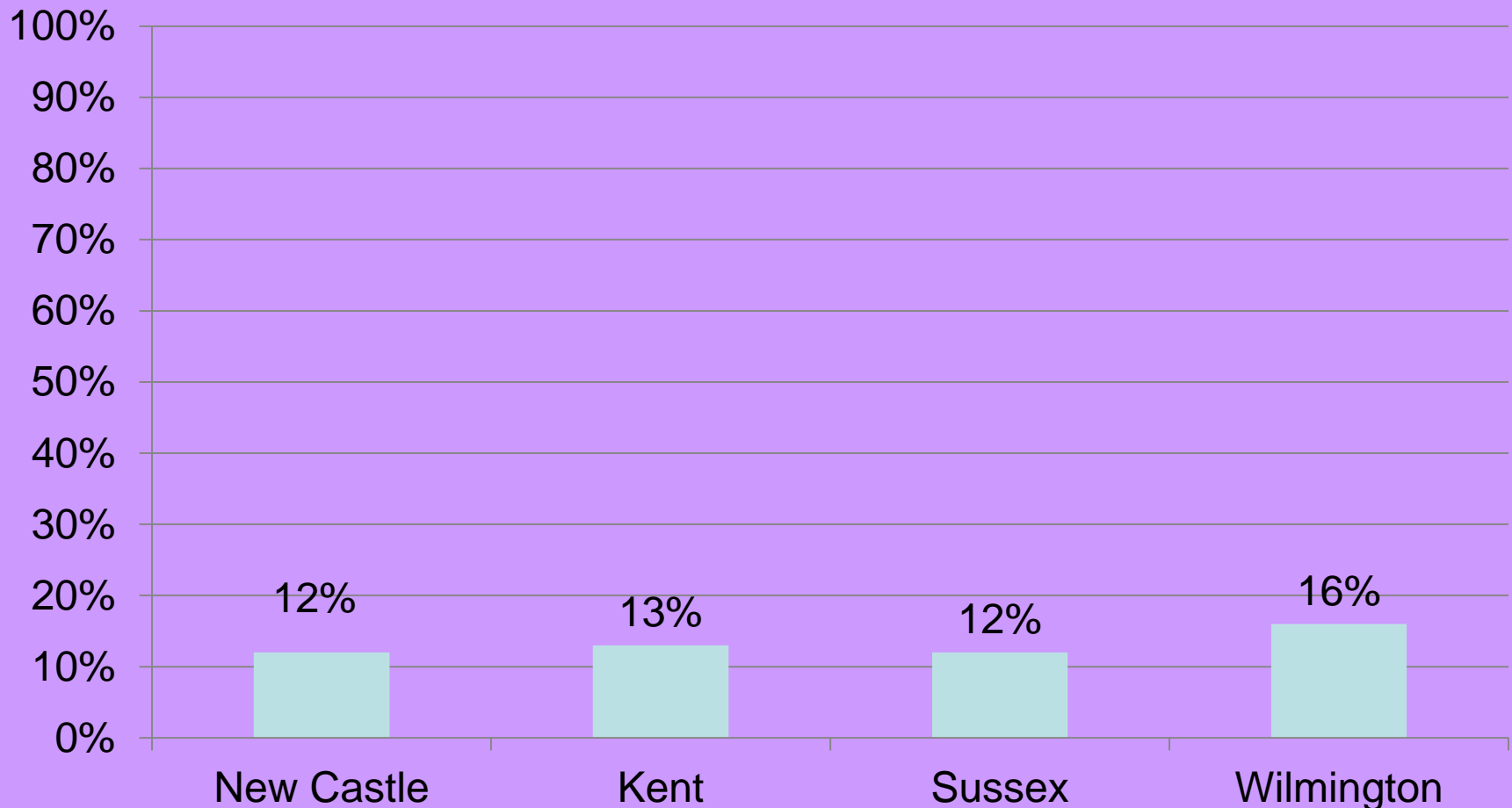


- **26% of Delaware 8th graders (about 7 of the average class of 25) drank alcohol in the past year**
- 53% do not see great risk in binge drinking
- About 1 in 5 know where they can buy alcohol

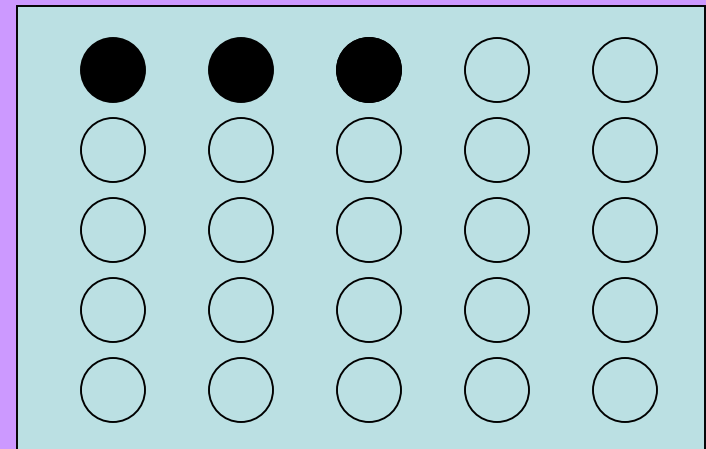


Source: 2014 Delaware School Survey, Center for Drug and Health Studies, University of Delaware

8th Grade past month alcohol use by Sub-state Planning Area

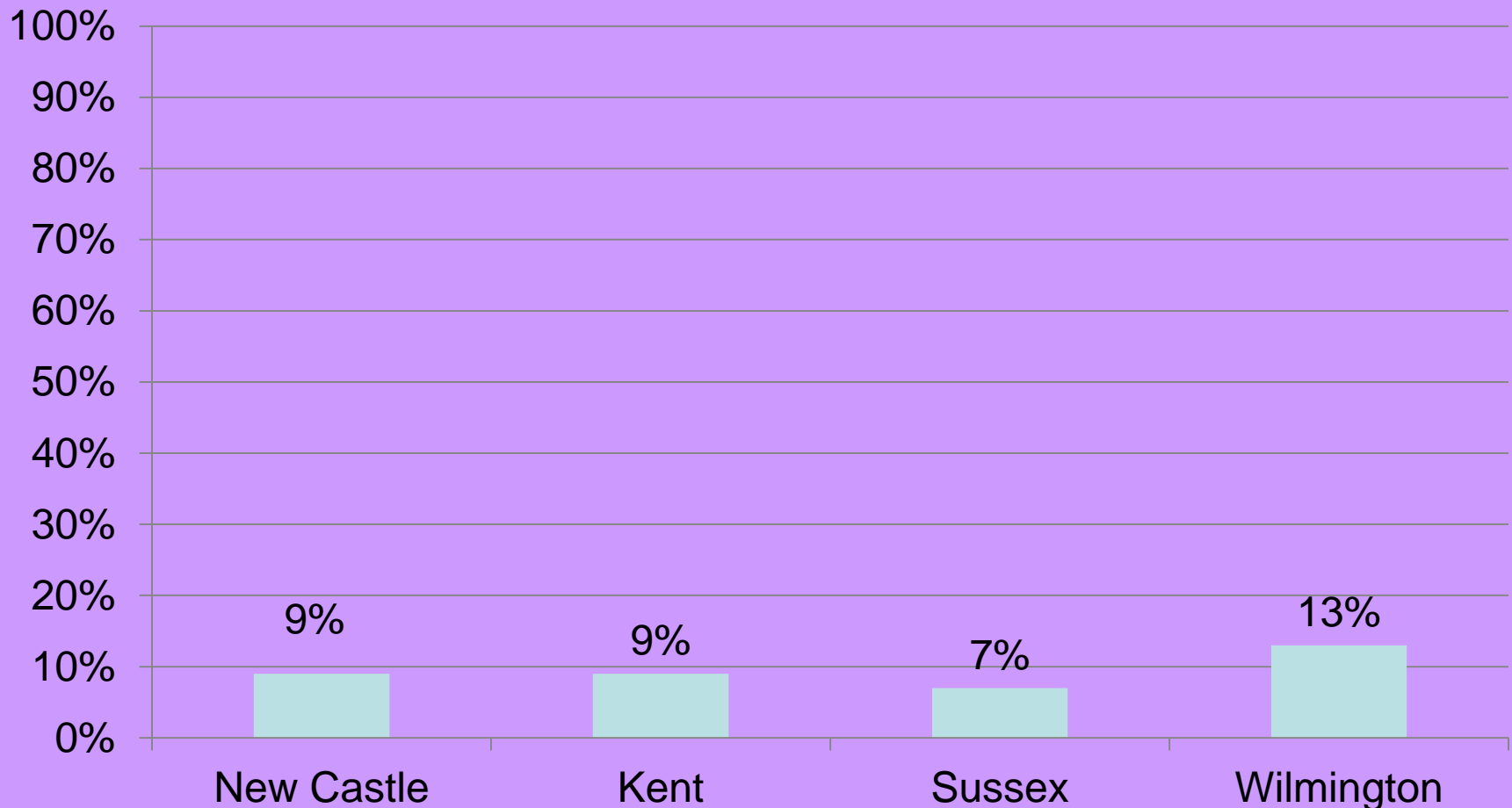


- 12% of Delaware 8th graders have smoked **marijuana** in the past year
- 85% do not see great risk in trying marijuana once or twice
- About 1 in 3 know where to buy marijuana



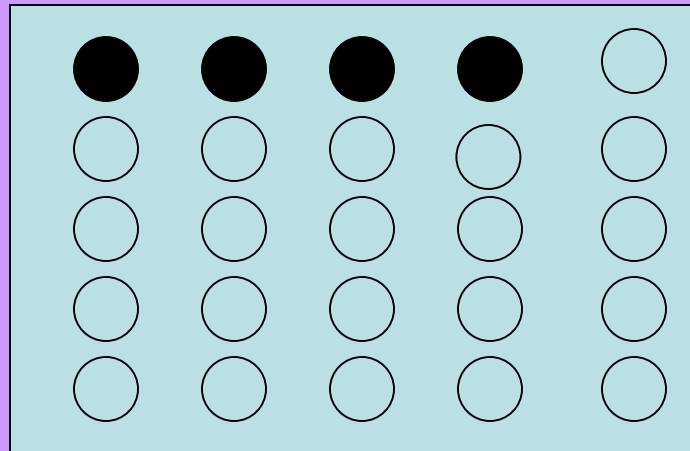
Source: 2014 Delaware School Survey, Center for Drug and Health Studies, University of Delaware

8th Grade past month marijuana use by Sub-state Planning Area



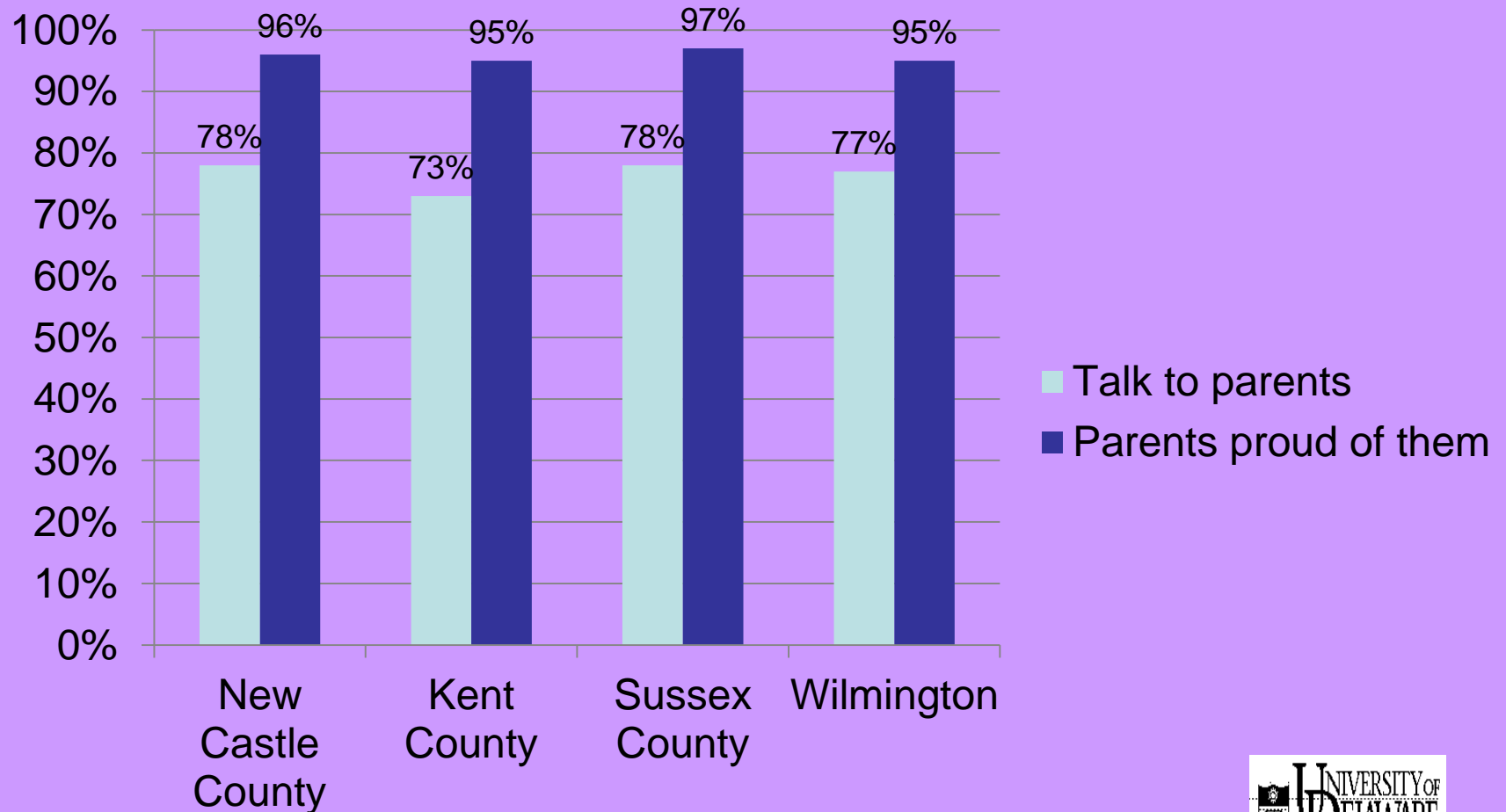
Students who drank alcohol, smoked marijuana, or used other drugs in the past thirty days are more than three times as likely to have skipped school and almost twice times as likely to have cheated on a test.

16% of 8th grade students have used alcohol, marijuana or other drugs in the past month.

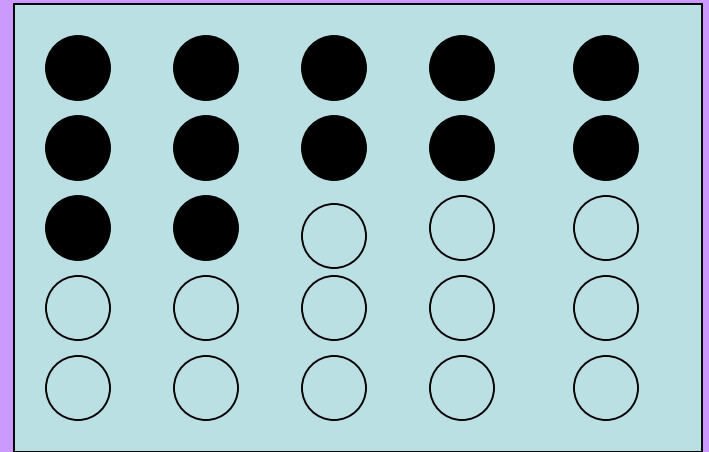


Most 8th grade students (89%) report that they talk to parents about things at school, and most (96%) say their parents show that they are proud of them.

8th grade students who talk to parents about school and who say their parents are proud of them

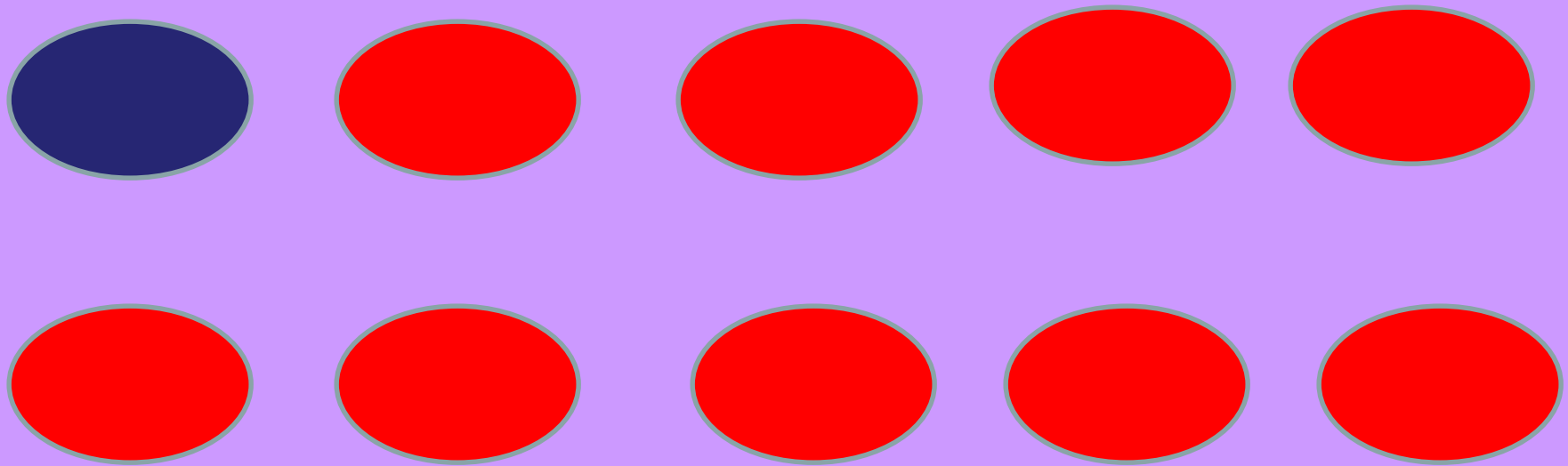


About half of
Sophia's class
feels that violence
is a problem in
their school.

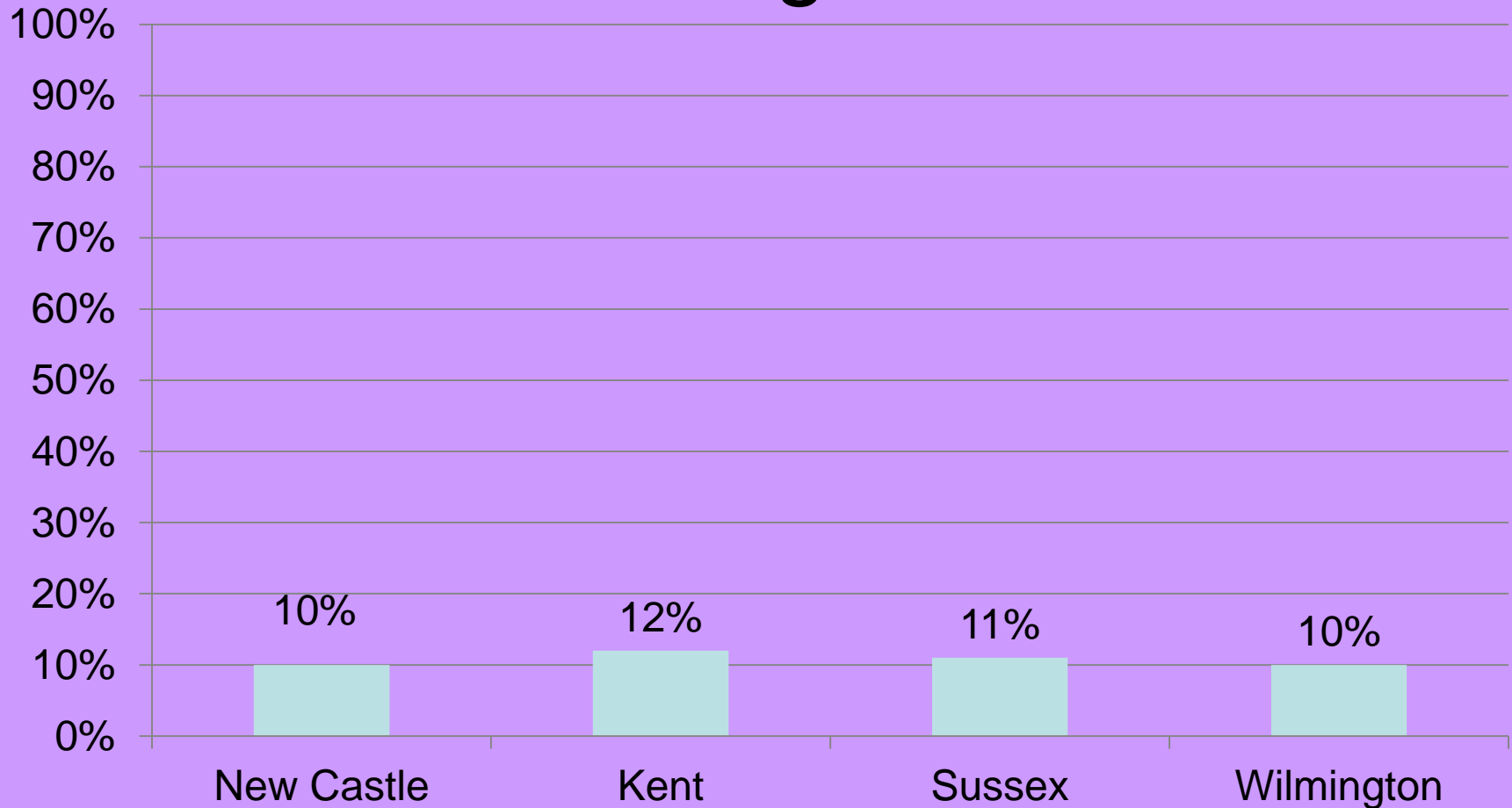


**1 student in Sophia's average 8th
grade class took a weapon to school
or a school event this year.**

One in ten 8th graders report
having seen violence between
adults in their home in the past
year.



8th Grade witnessing domestic violence during the past year by Sub-state Planning Area



Source: 2014 Delaware School Survey, University of Delaware Center for Drug and Health Studies



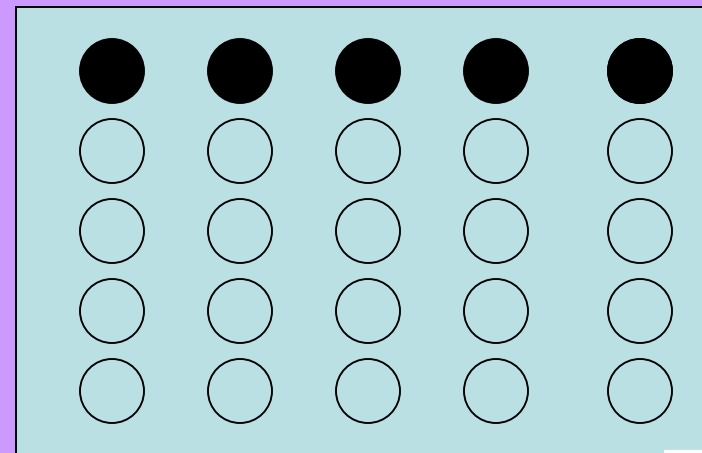
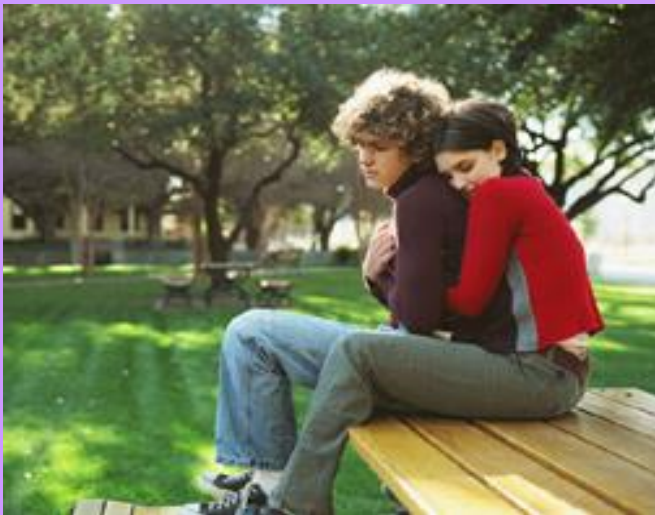
Statewide, 8th graders who have witnessed domestic violence...

- Over 30% currently use tobacco, alcohol and other drugs
- 1 in 4 damage and destroy others' property
- 23% have skipped school and 19% have been suspended or expelled
- 45% have hit someone with the intention of hurting them in the past year
- 9% have sold drugs
- 5% earn Ds or Fs in school

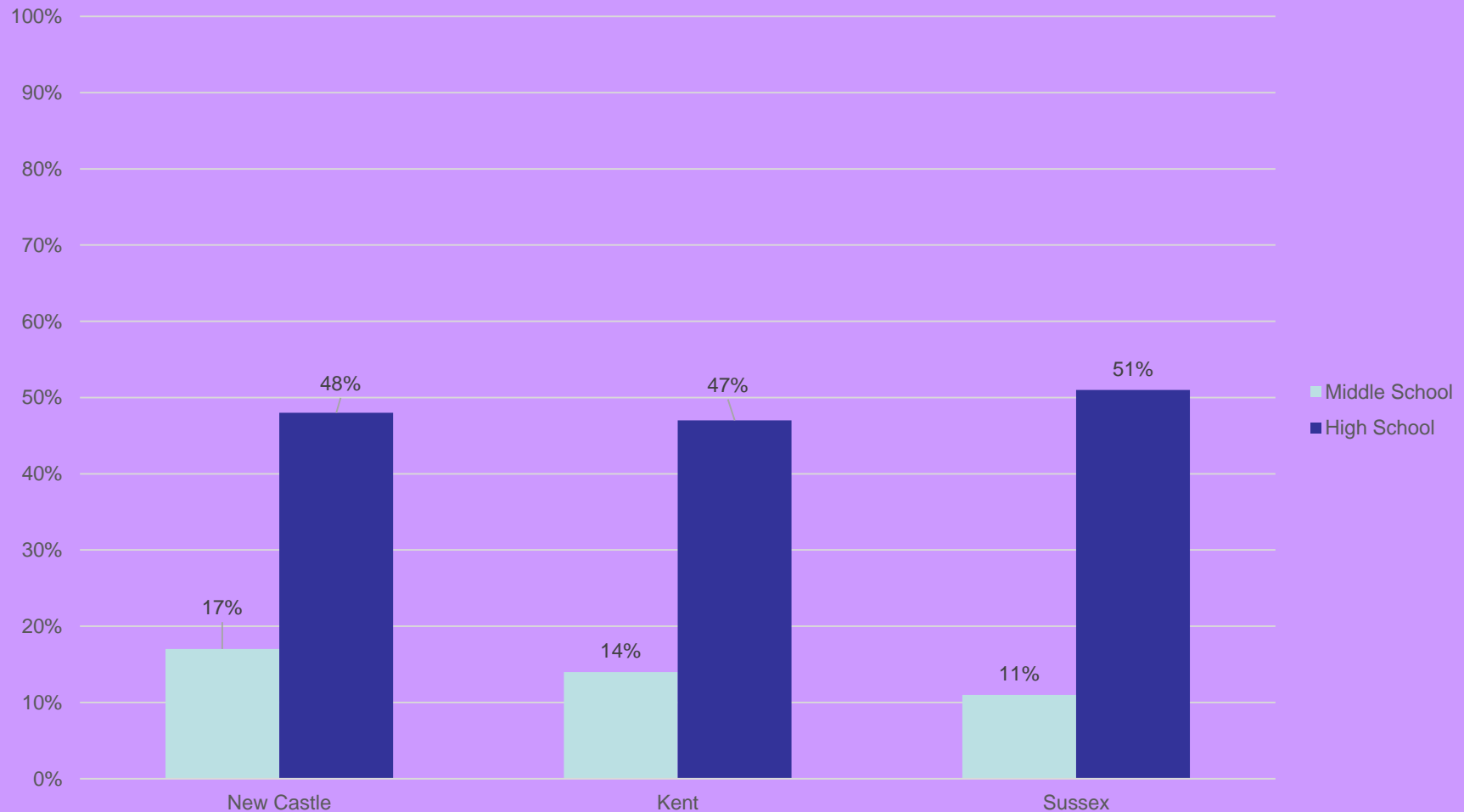


20% of Delaware 8th graders report having had sexual intercourse

5 students in the average classroom
are probably sexually active



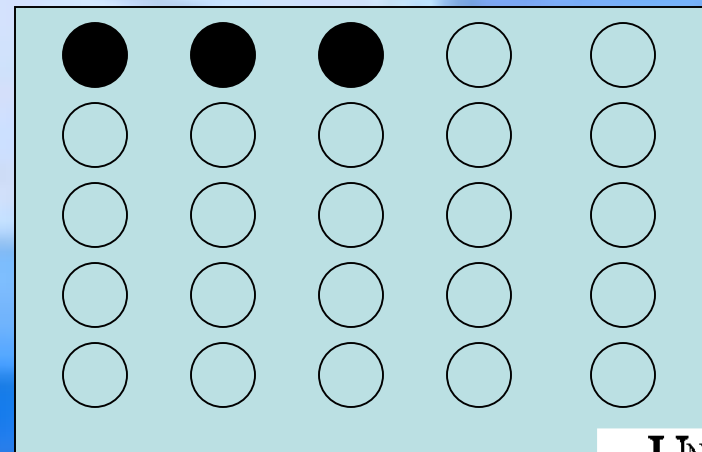
Middle and High School Students who Report Engaging in Sexual Intercourse by Sub-State Planning Area



Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies



- **13% of middle school students are medicated to help them concentrate better in school**
- **4% of Sophia's classmates are medicated for depression or anxiety**



Source: 2014 Delaware School Survey, Center for Drug and Health Studies, University of Delaware

Middle school students who are
medicated to do better in school
and who are medicated for
depression or anxiety by sub-state
planning area

- Not Asked in 2013 Middle School YRBS



These are the “big kids” the younger children now look up to—their babysitters, camp counselors, role models.

By the time Sophia reaches 11th
grade, some of her former
classmates will have left school.
Among those who remain :



In the past year, out of every 10 11th graders:

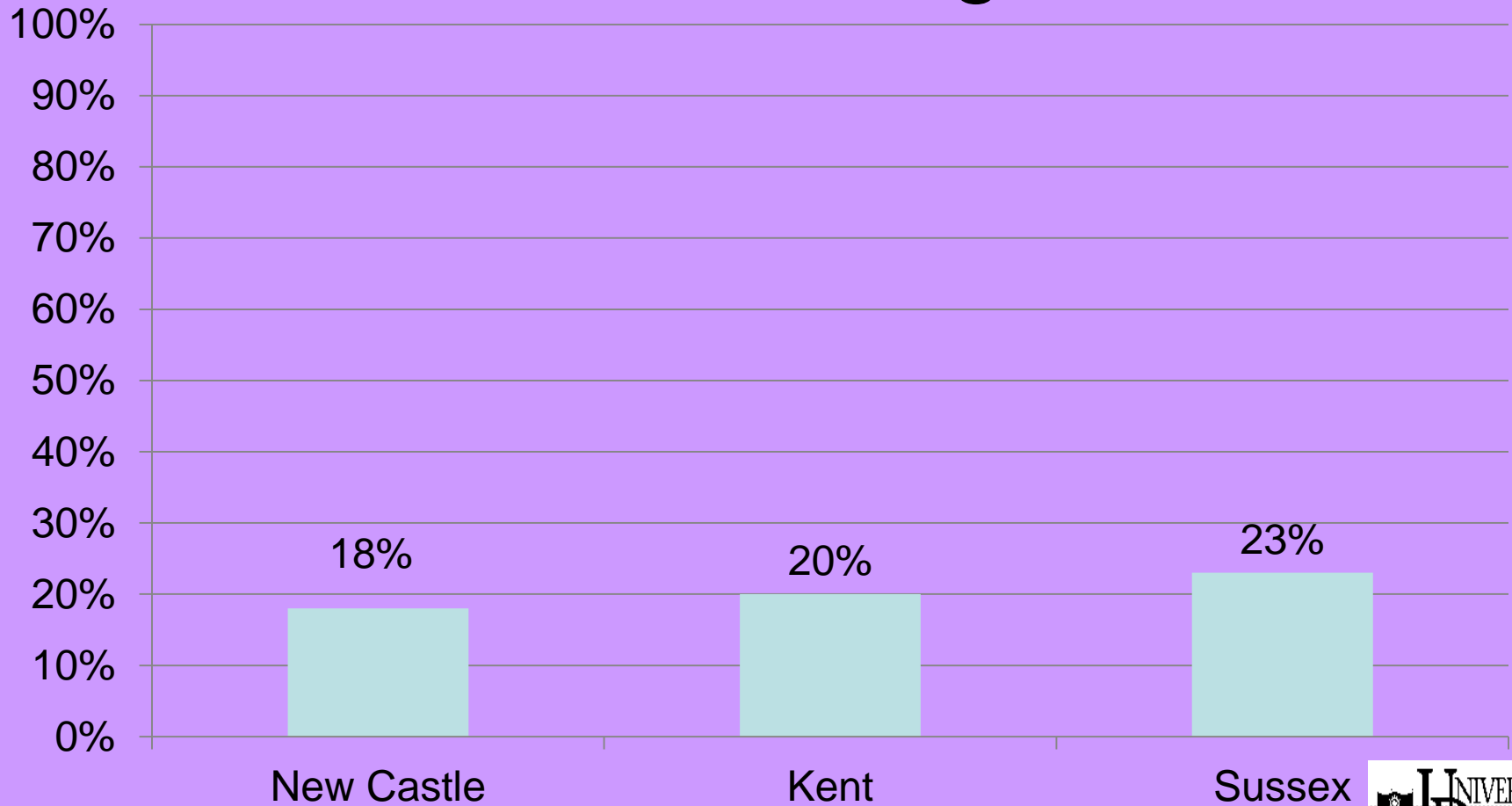
- 57% used Alcohol 
- 34% used Marijuana 
- 14% smoked Cigarettes 
- 11% misused Rx Drugs 
- 35% Sexually Active* (3 mo.) 
- 20% Binge Drank (2 weeks) 

Sources: 2014 Delaware School Survey, Center for Drug and Health Studies, University of Delaware

* 2013 High School Delaware Youth Risk Behavior Survey, Center for Drug and Health Studies, University of Delaware



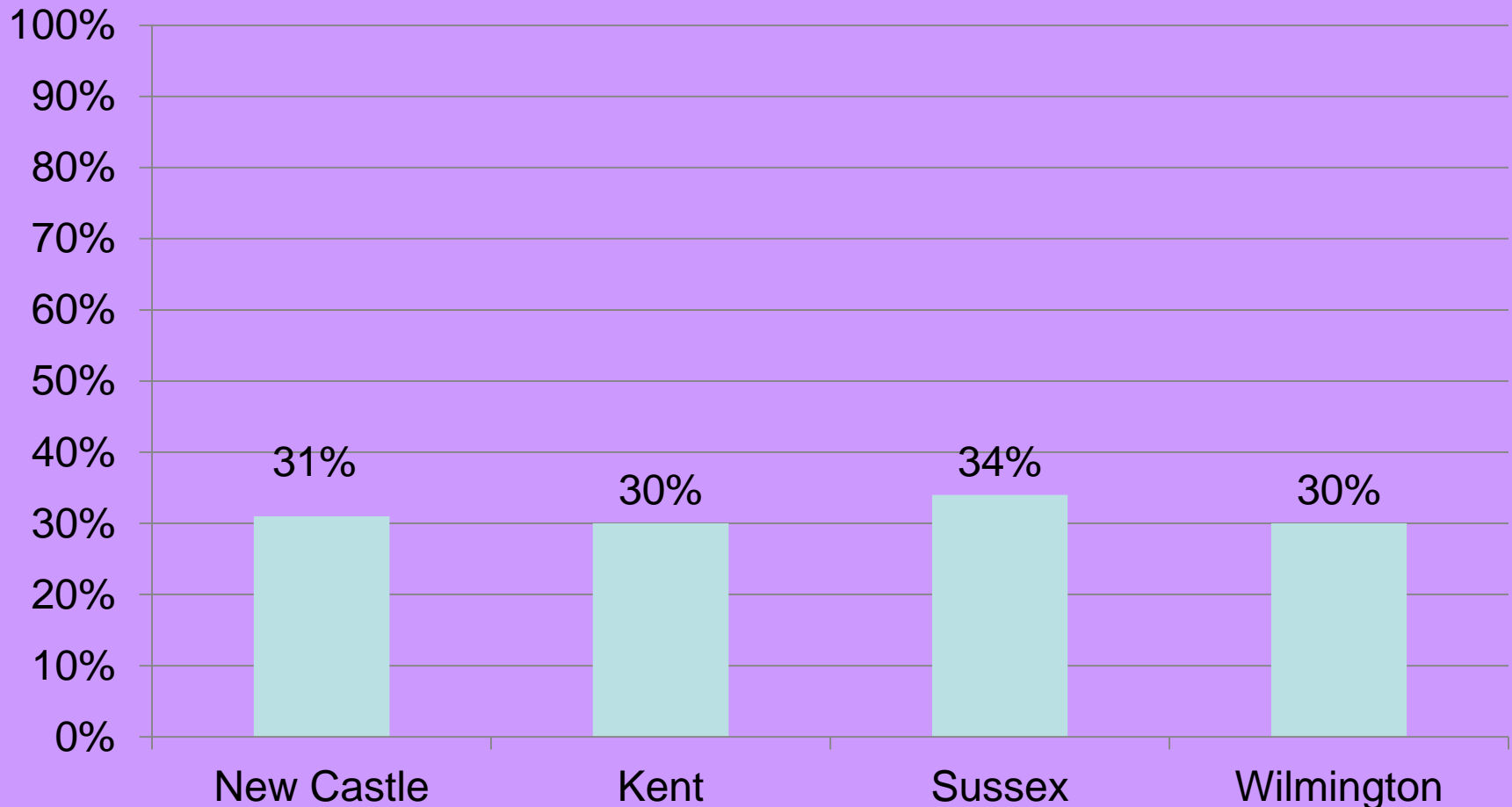
Percent of Delaware High School Students Self-reporting Alcohol Use Before the Age of 13



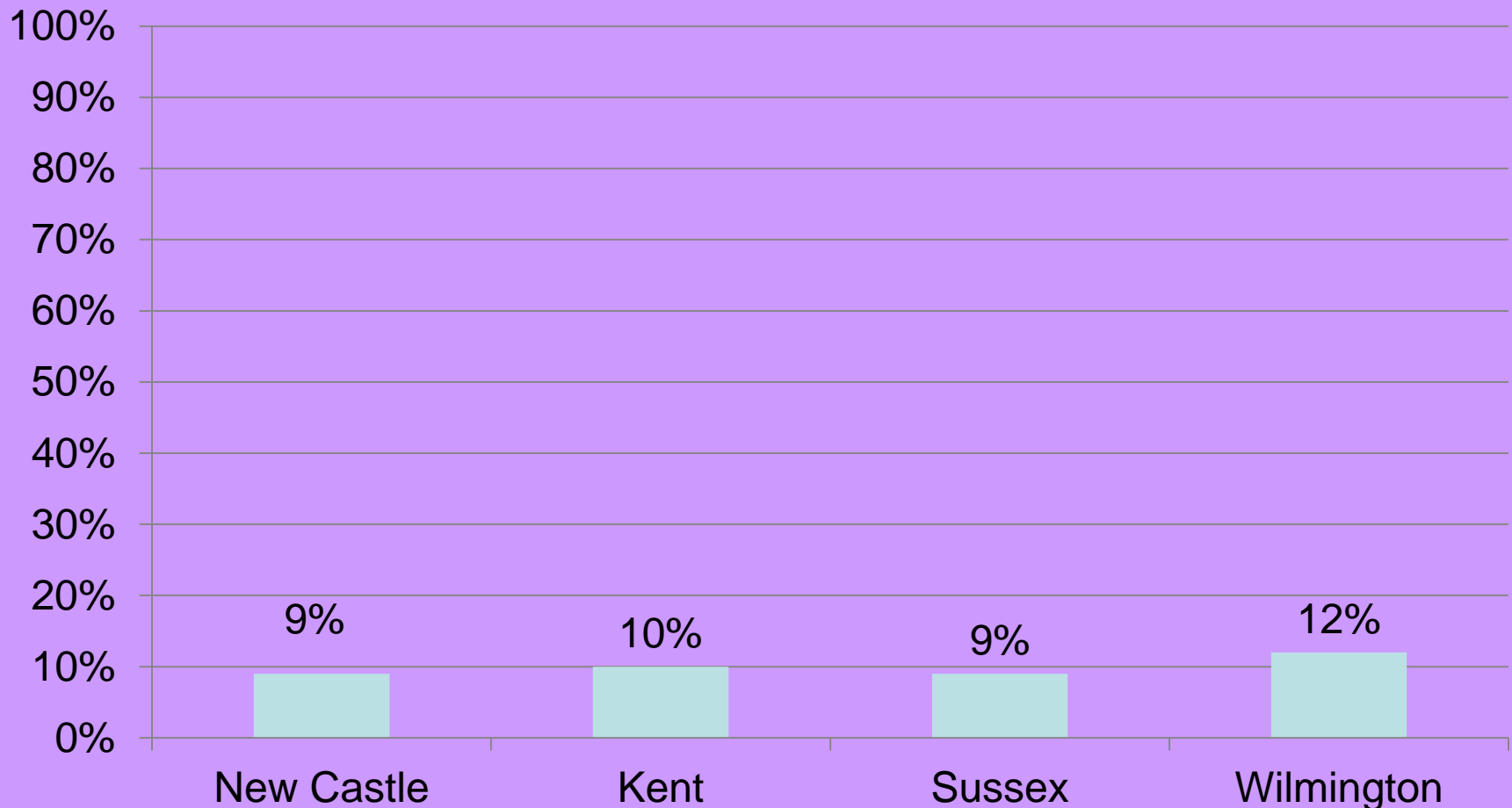
Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Alcohol Studies



11th Grade past month alcohol use by Sub-state Planning Area



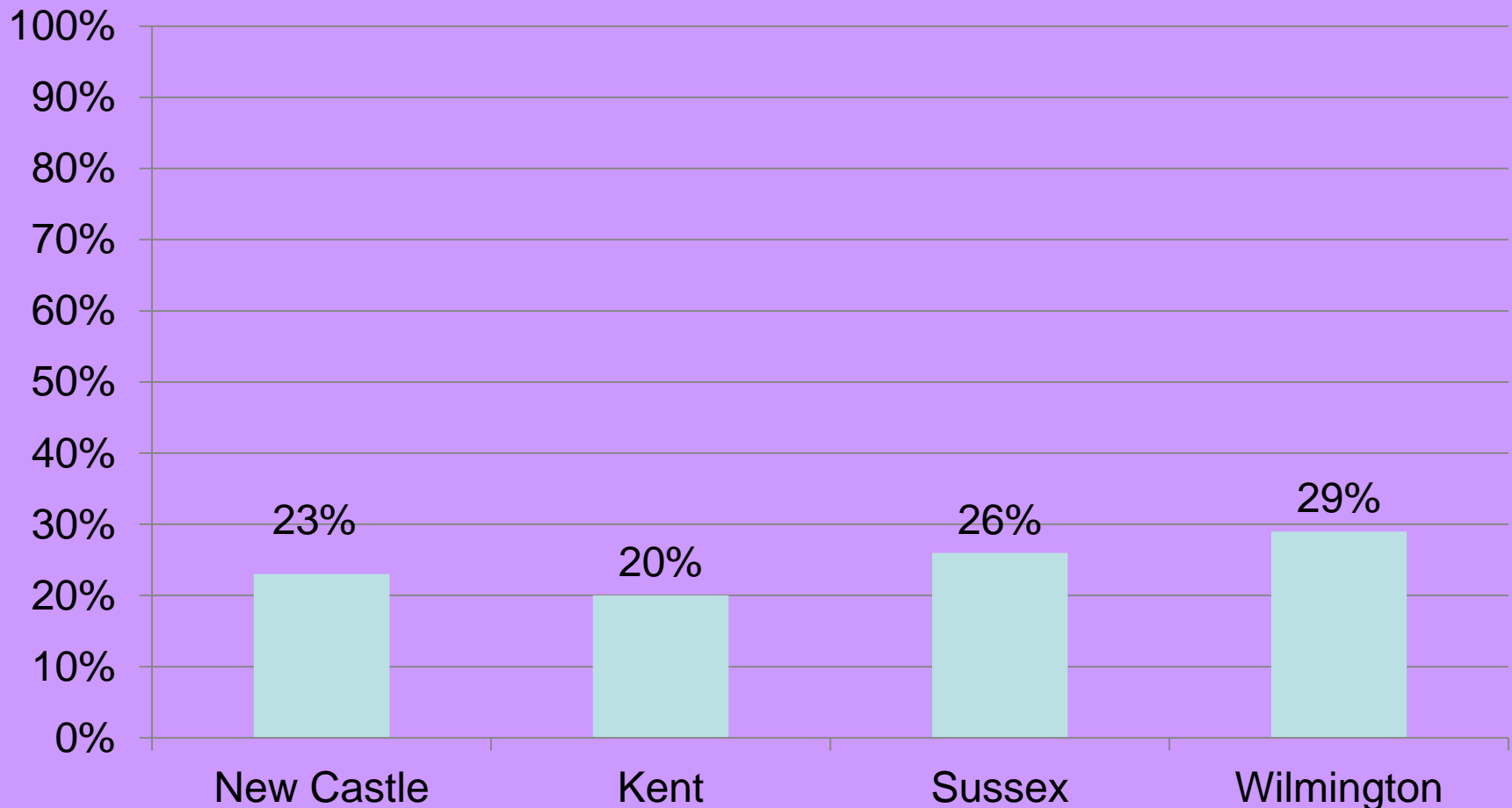
11th graders who report using alcohol before age 13



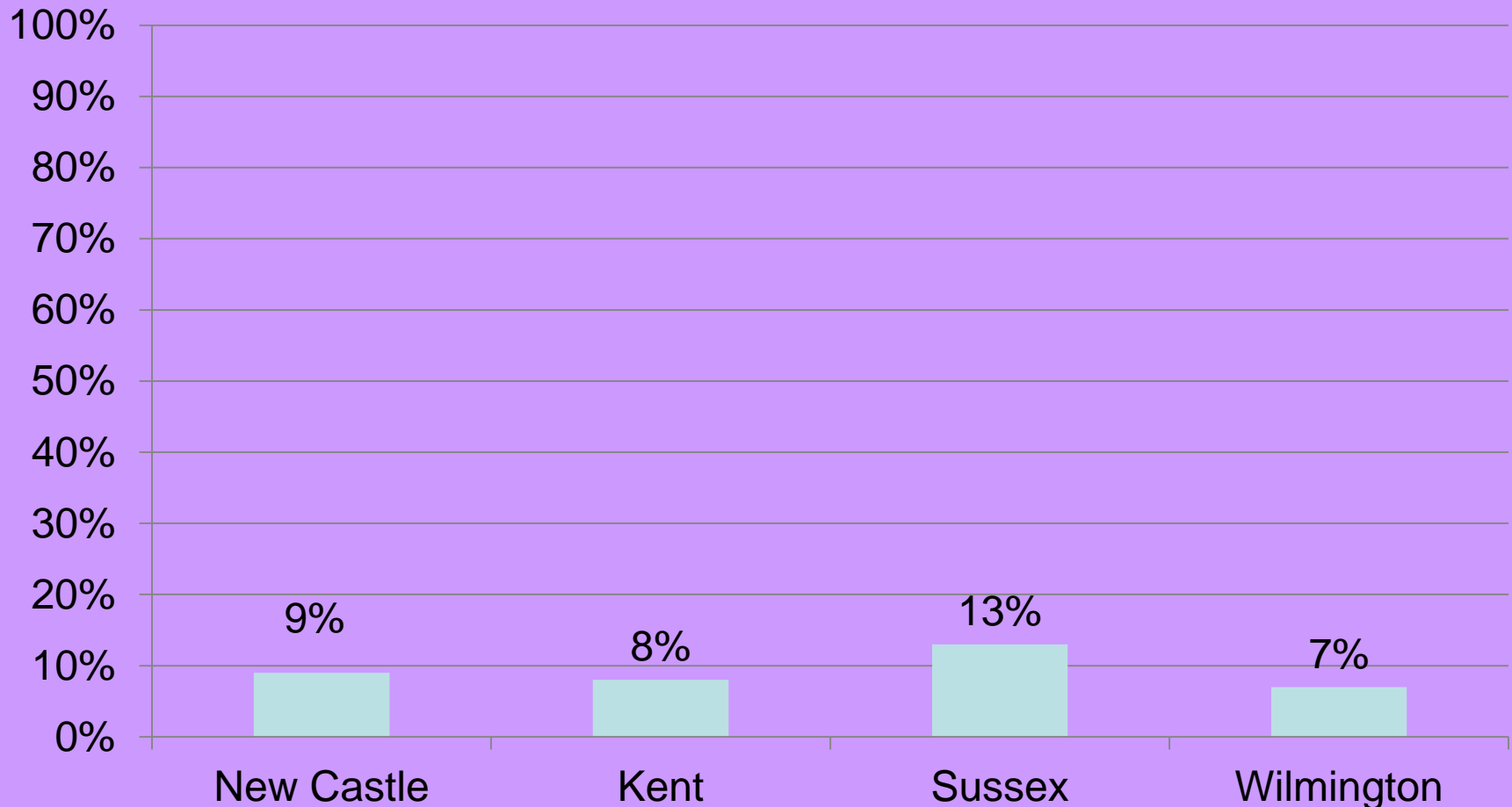
Source: 2014 Delaware School Survey, University of Delaware Center for Drug and Health Studies



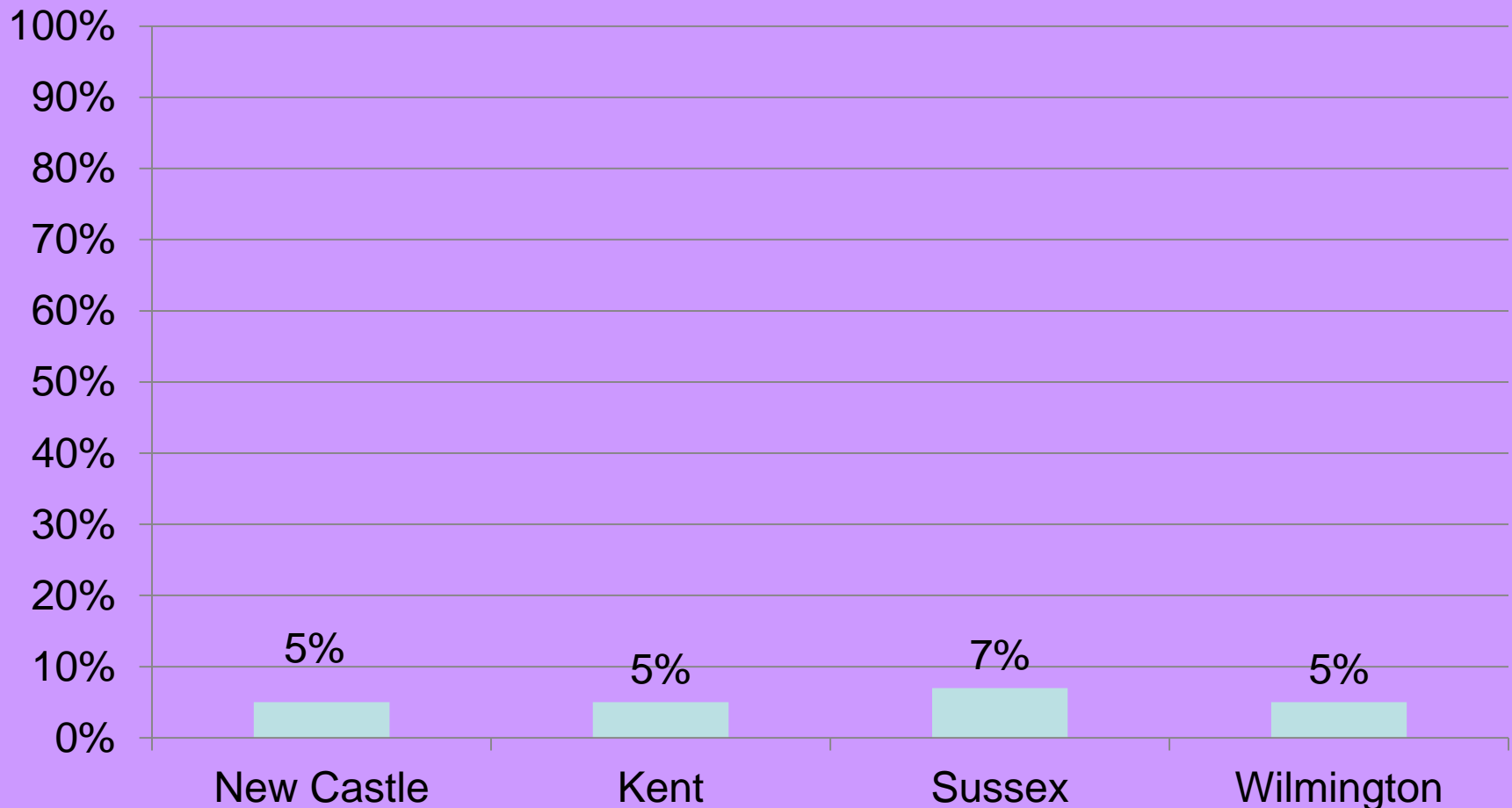
11th Grade past month marijuana use by Sub-state Planning Area



11th Grade past month cigarette use by Sub-state Planning Area



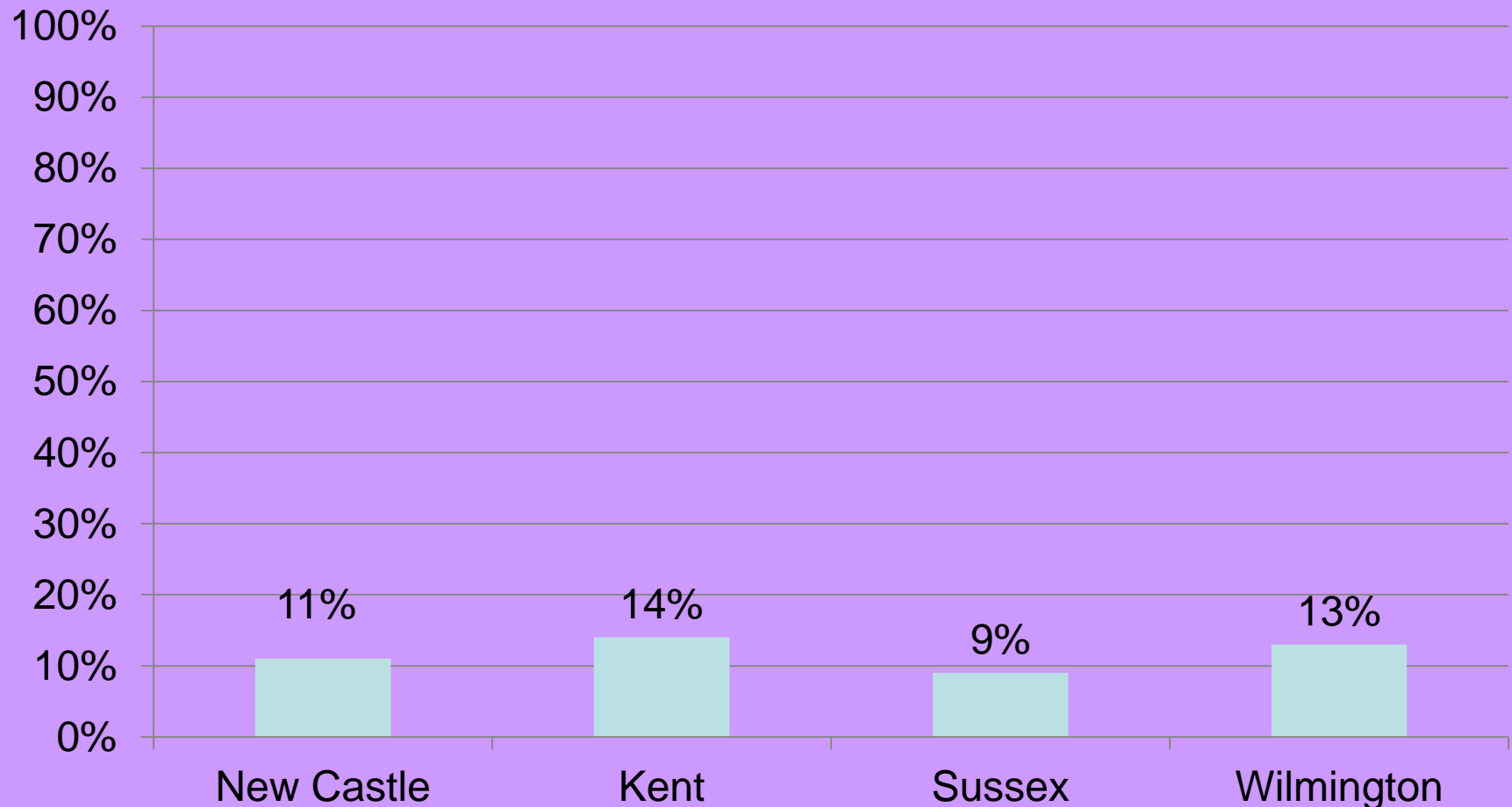
11th graders who smoked cigarettes before age 13



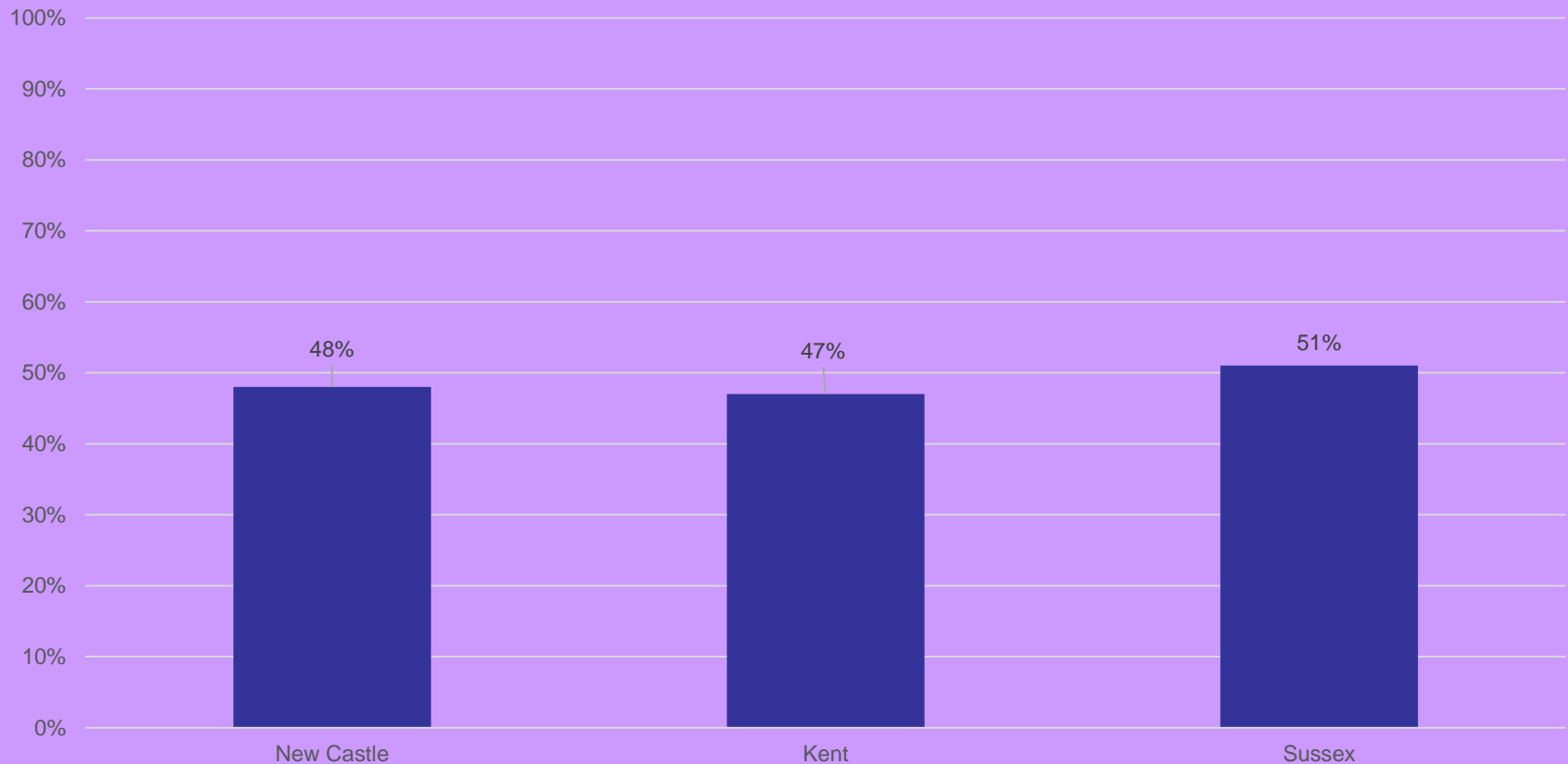
Source: 2014 Delaware School Survey, University of Delaware Center for Drug and Health Studies



11th Grade prescription drug abuse by Sub-state Planning Area



High school students who have had sexual intercourse by Sub-state Planning Area



Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Alcohol Studies



Alcohol is the most commonly reported drug used and is consistently associated with other high-risk behaviors.



11th Graders who are current (past month) drinkers are:

- 4.5 times more likely to get in a car with a driver who has been drinking*
- Twice as likely to hit someone* and 3.5 times as likely to vandalize property*
- Almost 5 times more likely to smoke marijuana* and 4 times more likely to use other drugs*
- About 2 times more likely to be forced to have unwanted sexual intercourse^
- 2 times more likely to have been arrested*

* Past Month

Sources: 2014 Delaware School Survey, Center for Drug and Health Studies, University of Delaware

^ 2013 High School Delaware Youth Risk Behavior Survey, Center for Drug and Health

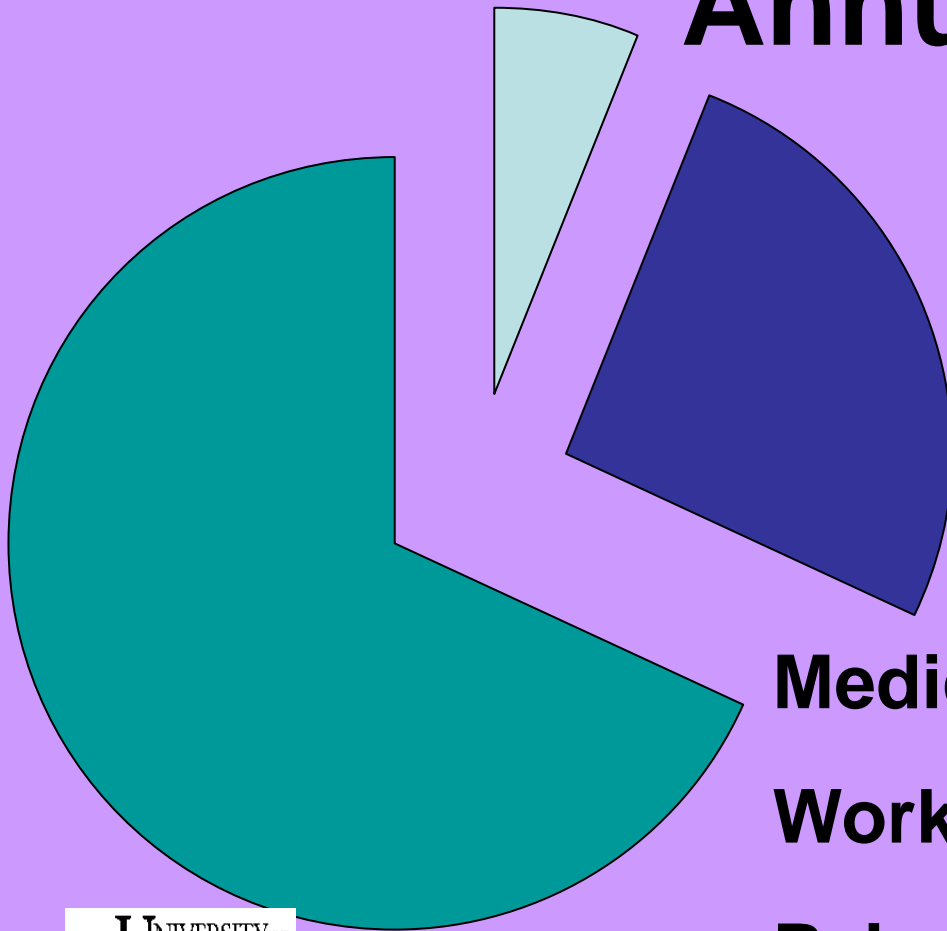
Studies, University of Delaware



Costs of underage drinking in Delaware are over a quarter of a billion dollars annually, including medical costs, work lost and pain and suffering.



Costs of Underage Drinking in Delaware = \$172 Million Annually



Medical = \$10,000,000

Work Lost = \$44,000,000

Pain & Suffering=\$118,000,000



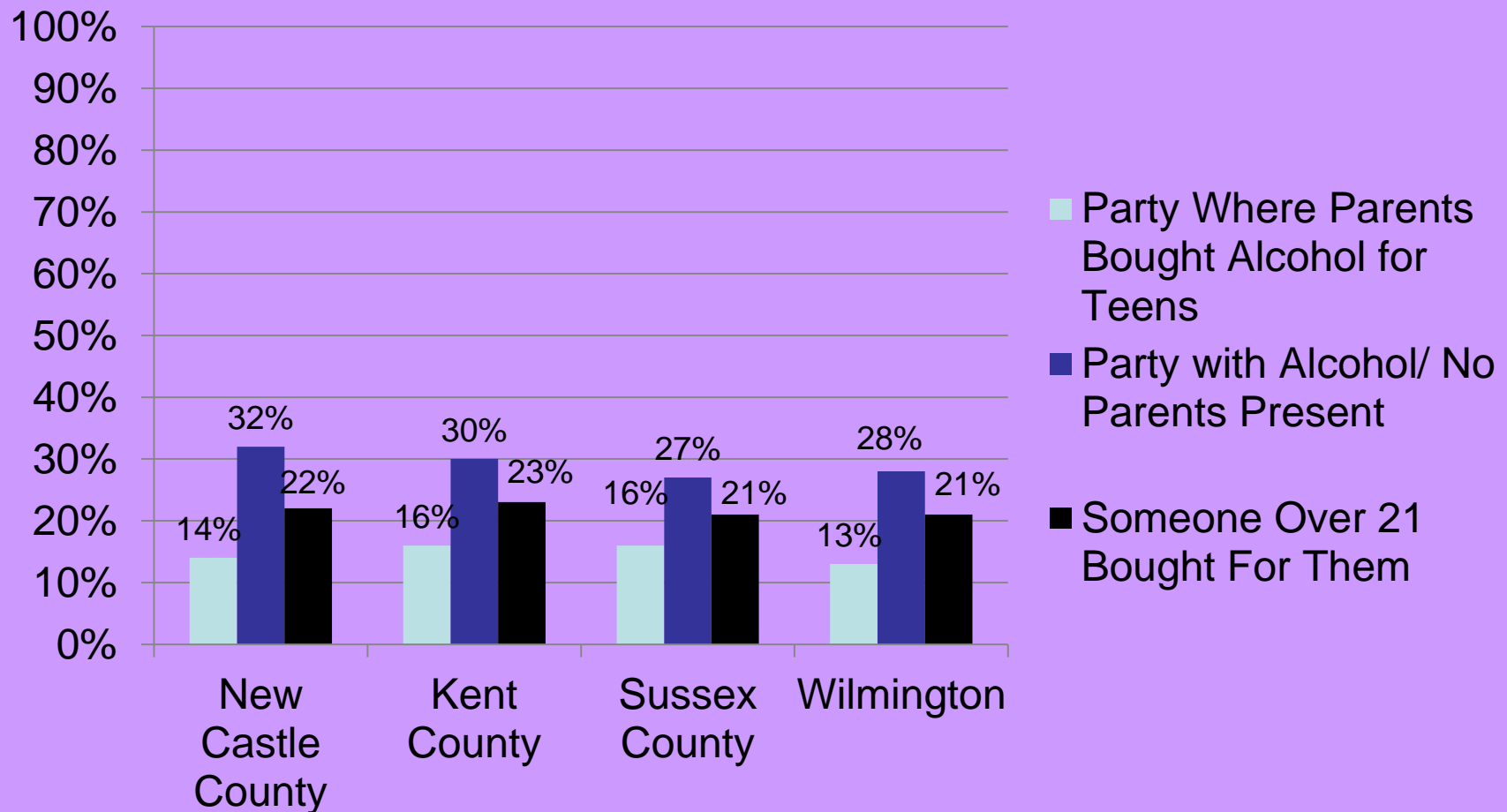
Where do they get their
alcohol?



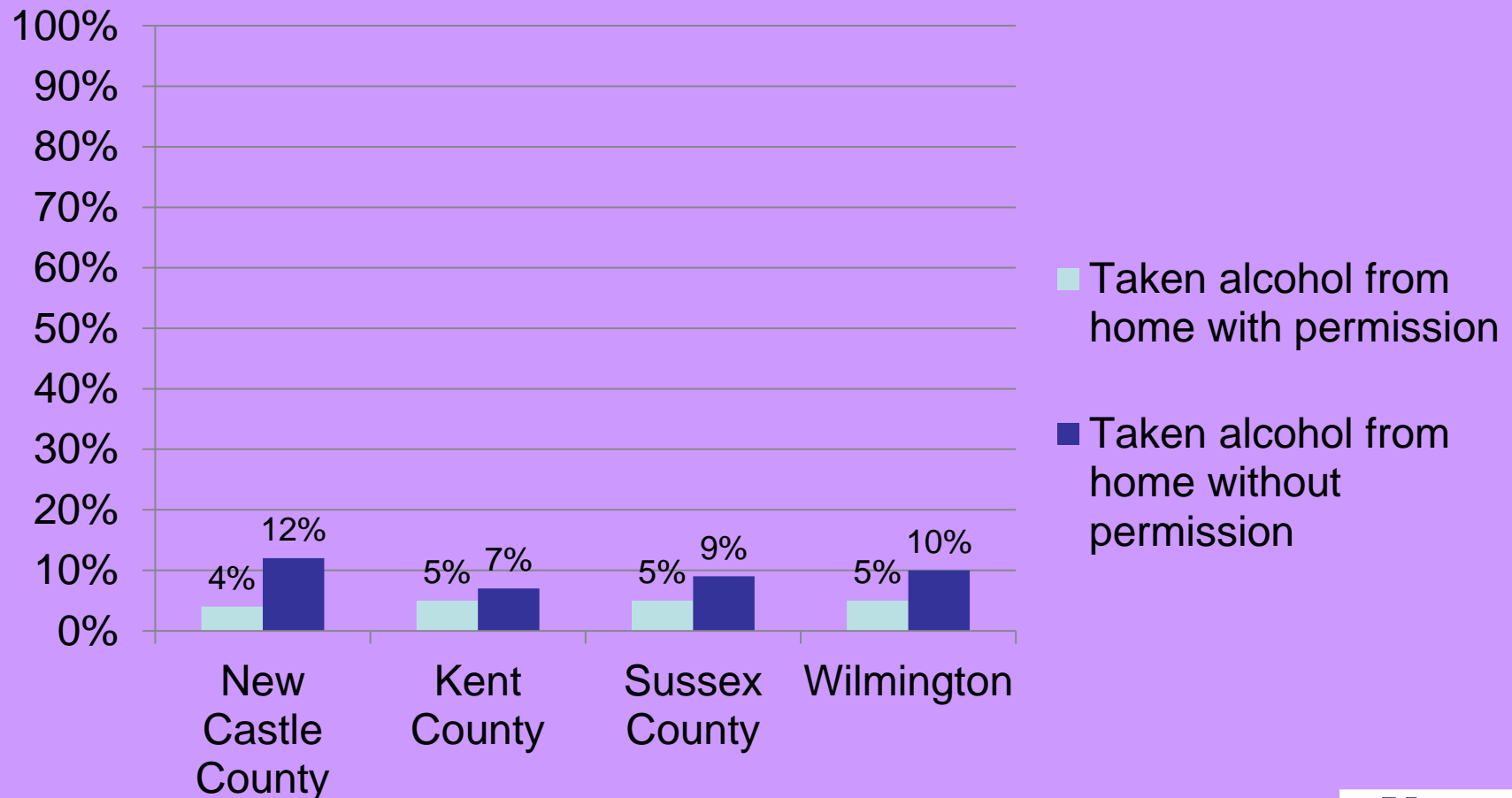
In the past year . . .

- 15% of 11th grade students have been to a party where parents bought alcohol for the kids
- 30% have been to a party with alcohol and no adults present
- 22% have had someone over 21 buy them alcohol
- 11% have taken alcohol from the house without permission, and 4% have taken it with permission

Delaware 11th Grade Students Report Sources of Alcohol



11th Grade students who have taken alcohol from home with and without permission by Sub-state Planning Area



**18% of Delaware 11th Graders
meet the criteria for alcohol
dependence and or abuse:**

Dependence and Abuse- 1%

Dependence- < 1%

Abuse- 16%

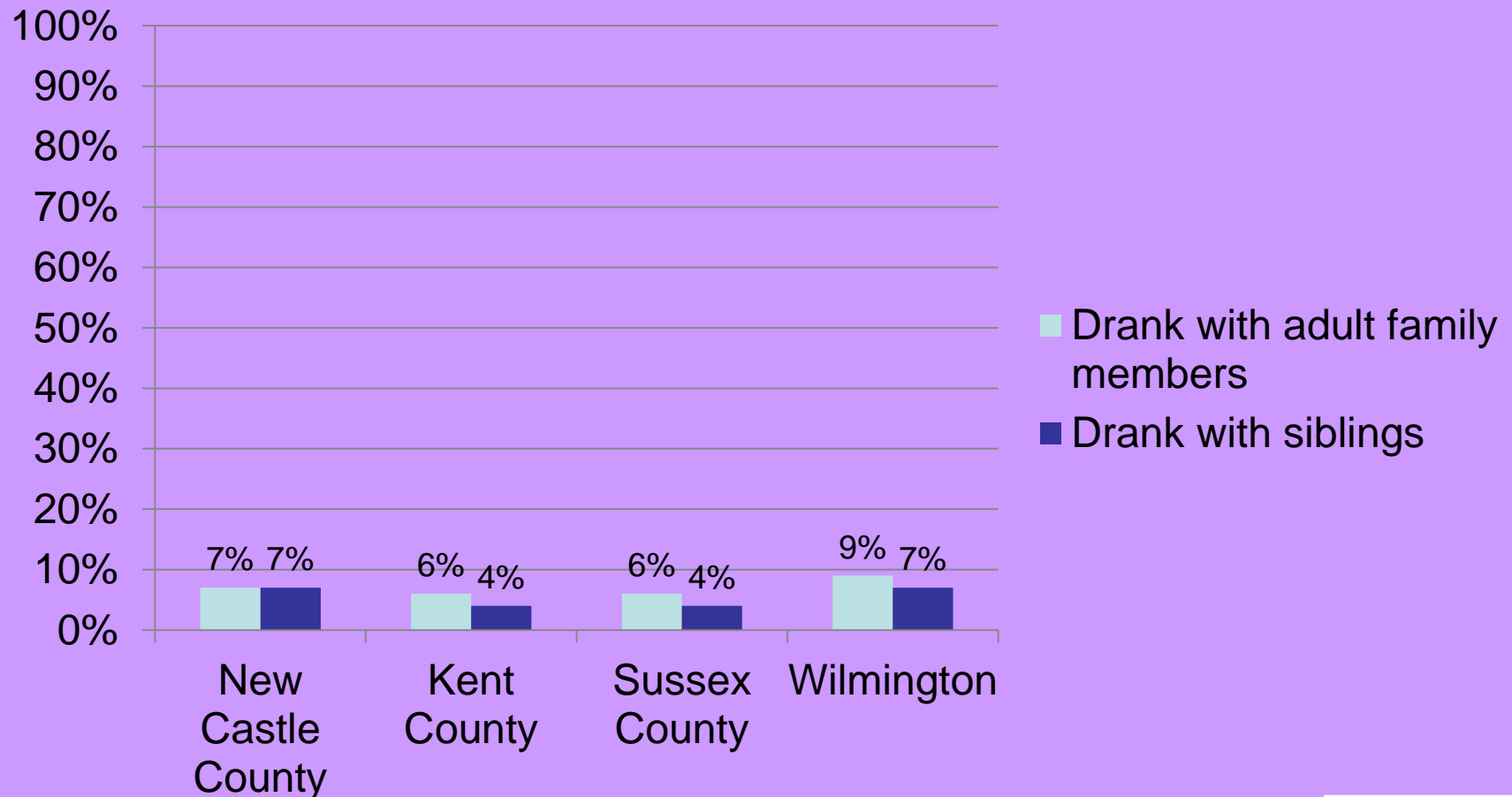


Those whose parents gave them alcohol are about 3.5 times more likely to give it to or sell to other teens..

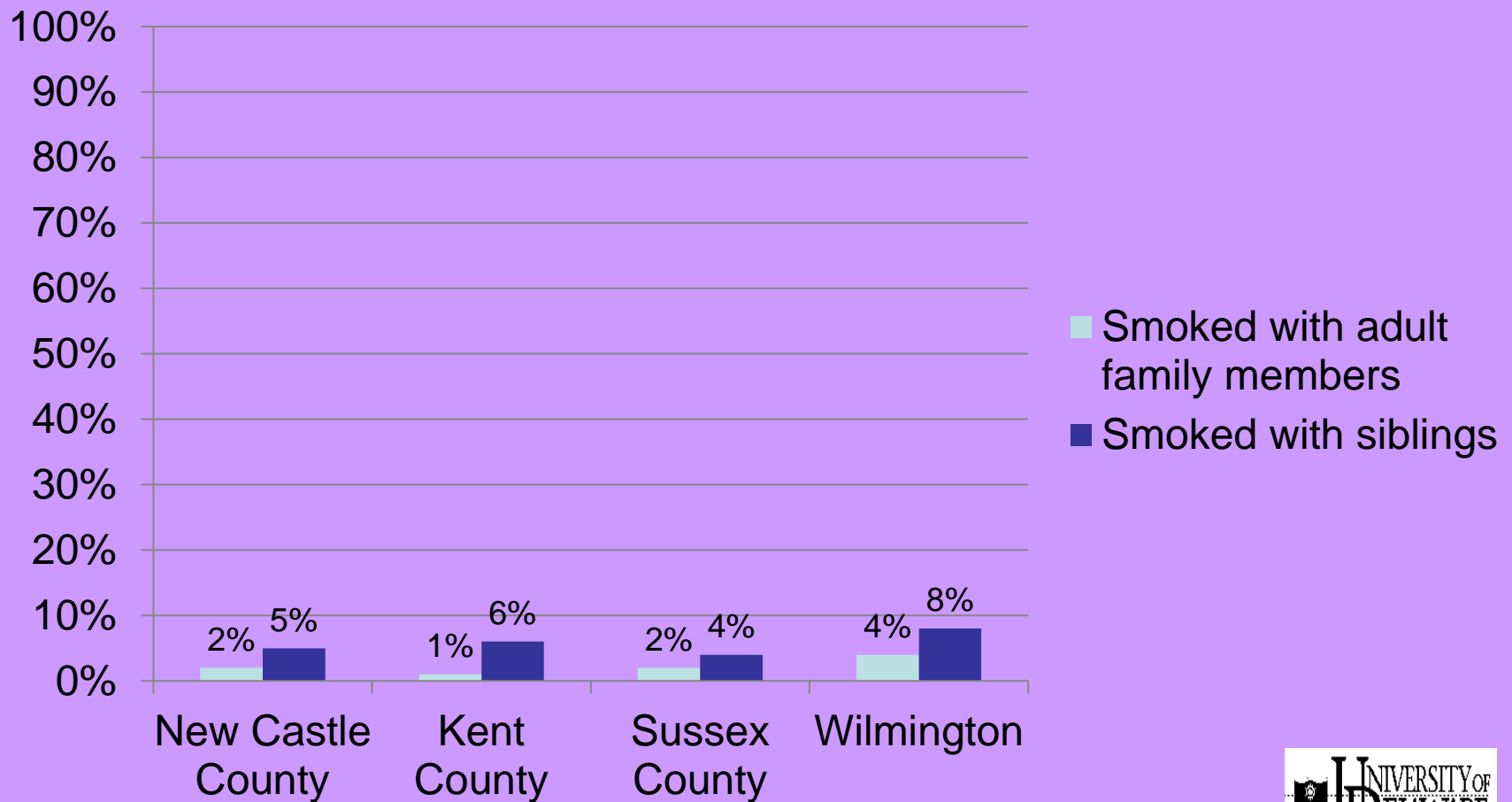
Alcohol and marijuana are both sometimes used in the family context . . .

- Among teens who are current marijuana users, 9% have used with adult family members and 22% with siblings
- Among teens who are current drinkers, 17% have used with siblings, and 19% have used with adult family members.

11th grade alcohol use with adult family members and with siblings during past month by Sub-state Planning Area



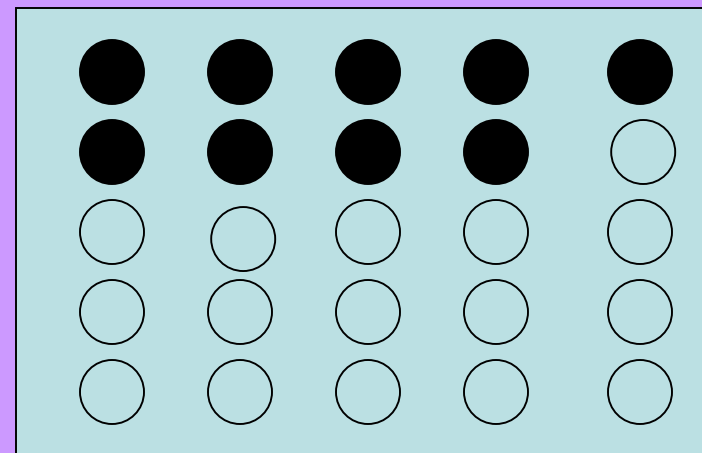
11th grade marijuana use with adult family member and with siblings during past month by Sub-state Planning Area



Almost one in ten Delaware high school students(9%) report they used marijuana before the age of 13, most likely while they were still in elementary school.

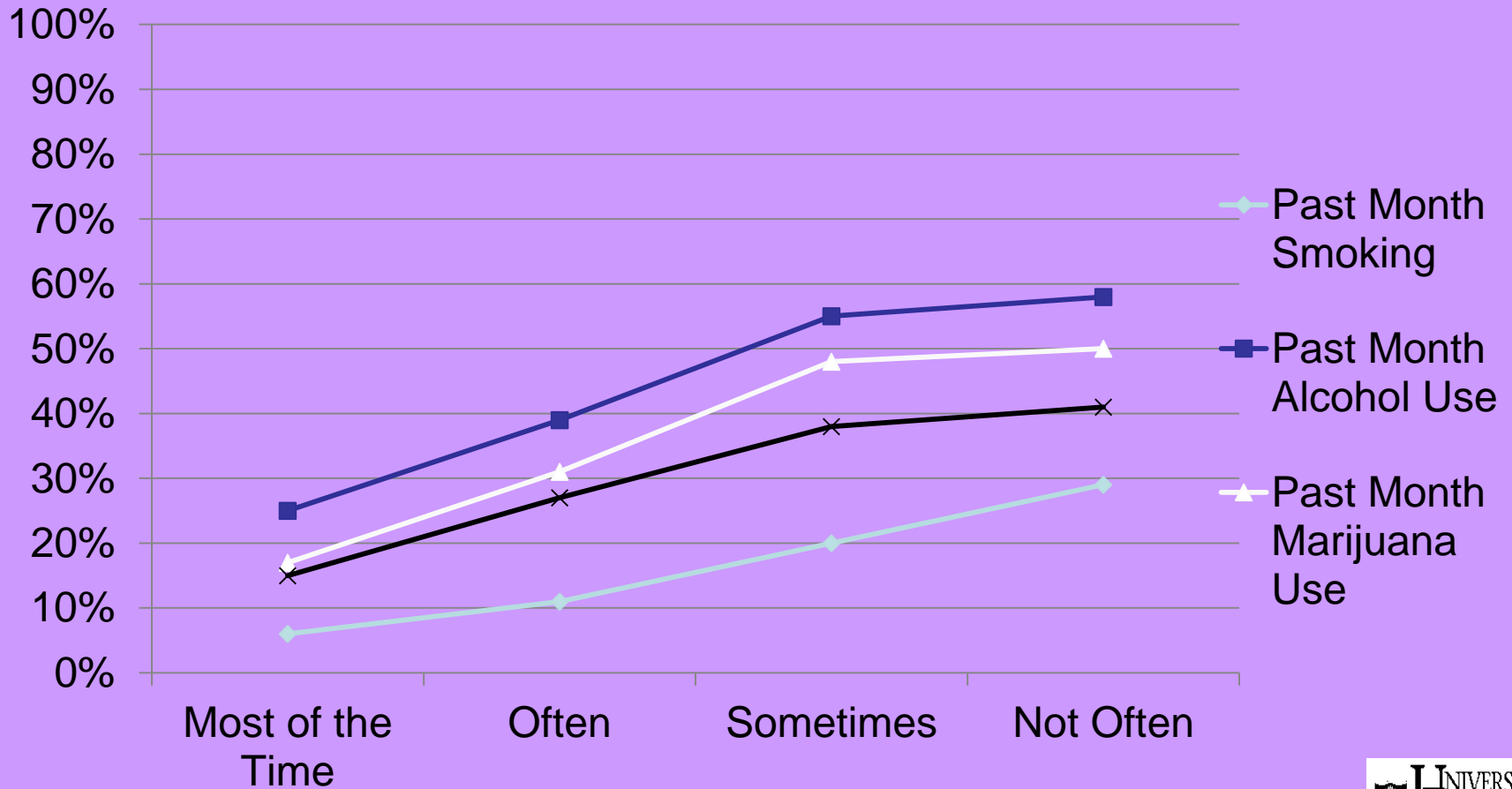
- Teens who drink with adult family members are twice as likely to give alcohol away
- Teens who smoke marijuana with adult family members are 5 times more likely to give it to others.

37% of Delaware 11th graders
have used alcohol, marijuana,
or other illegal drugs in the past
month.



Source: 2014 Delaware School Survey, Center for Drug and
Health Studies, University of Delaware

There is a very strong relationship between whether parents know where their 11th grade child is. . .



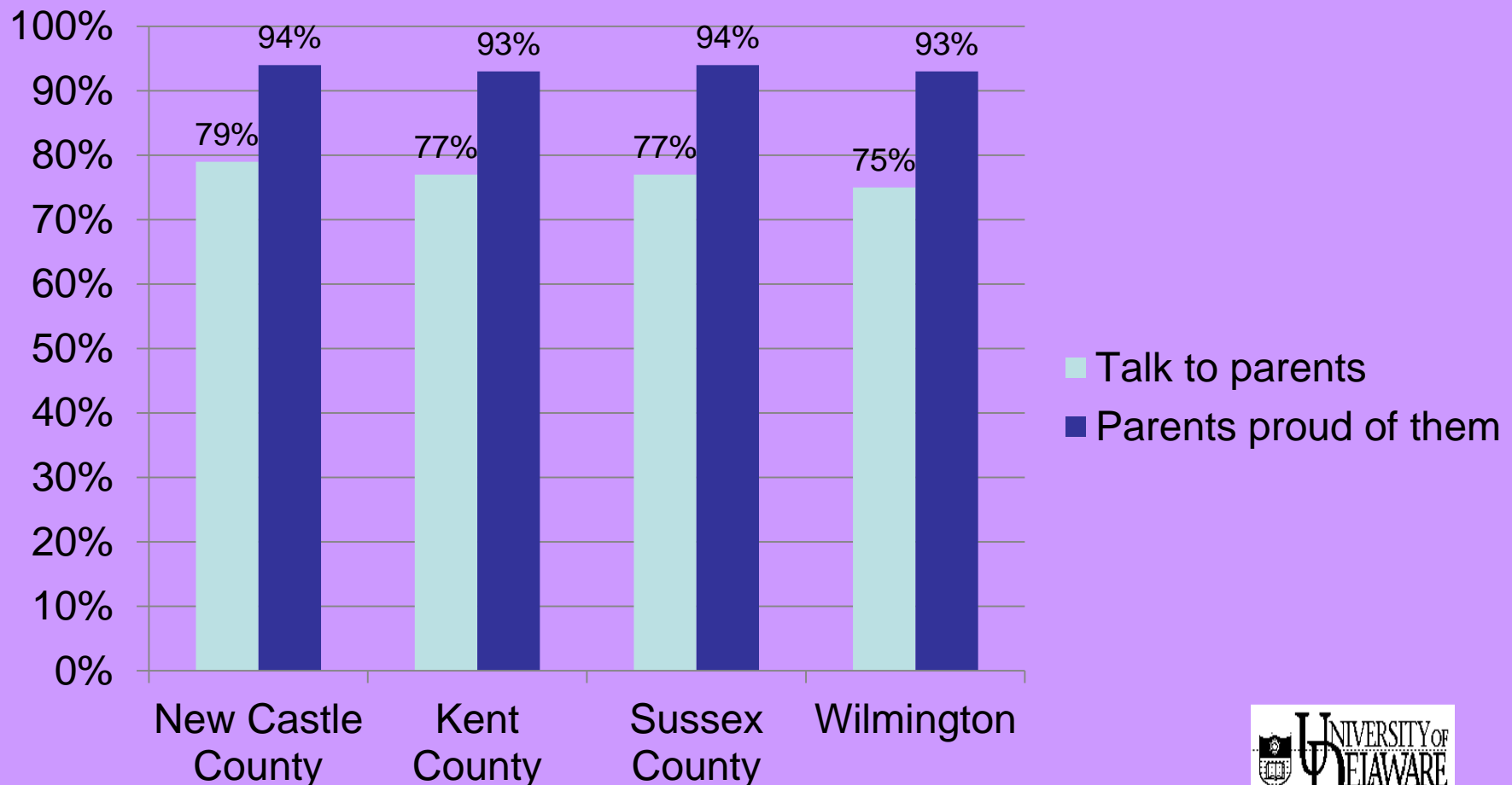
Source: 2014 Delaware School Survey, University of Delaware Center for Drug and Health Studies



... But whether the parent isn't monitoring, or the child isn't telling them honestly, we don't know.

Most 11th grade students (88%)
report that they talk to their
parents about school, and most
(94%) say their parents are
proud of them.

11th grade students who talk to parents about school and who say their parents are proud of them



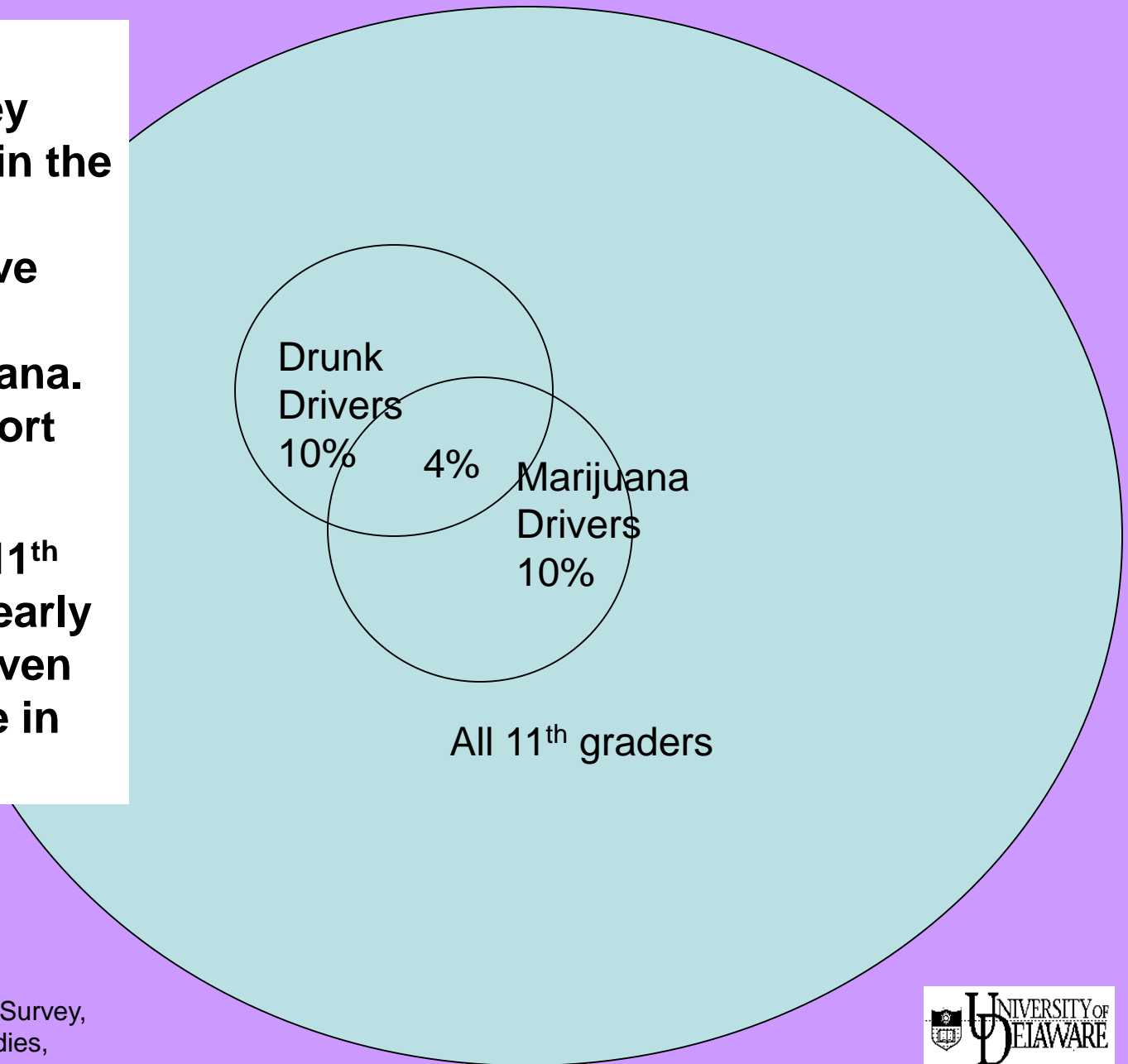
Delaware high school students tell us that **on school property**:

- **4%** smoked cigarettes in the past 30 days
- **1%** drank alcohol in the past 30 days
- **6%** smoked marijuana in the past 30 days
- **7%** sold or gave cigarettes, alcohol, marijuana, or other illegal drugs in the past 12 months

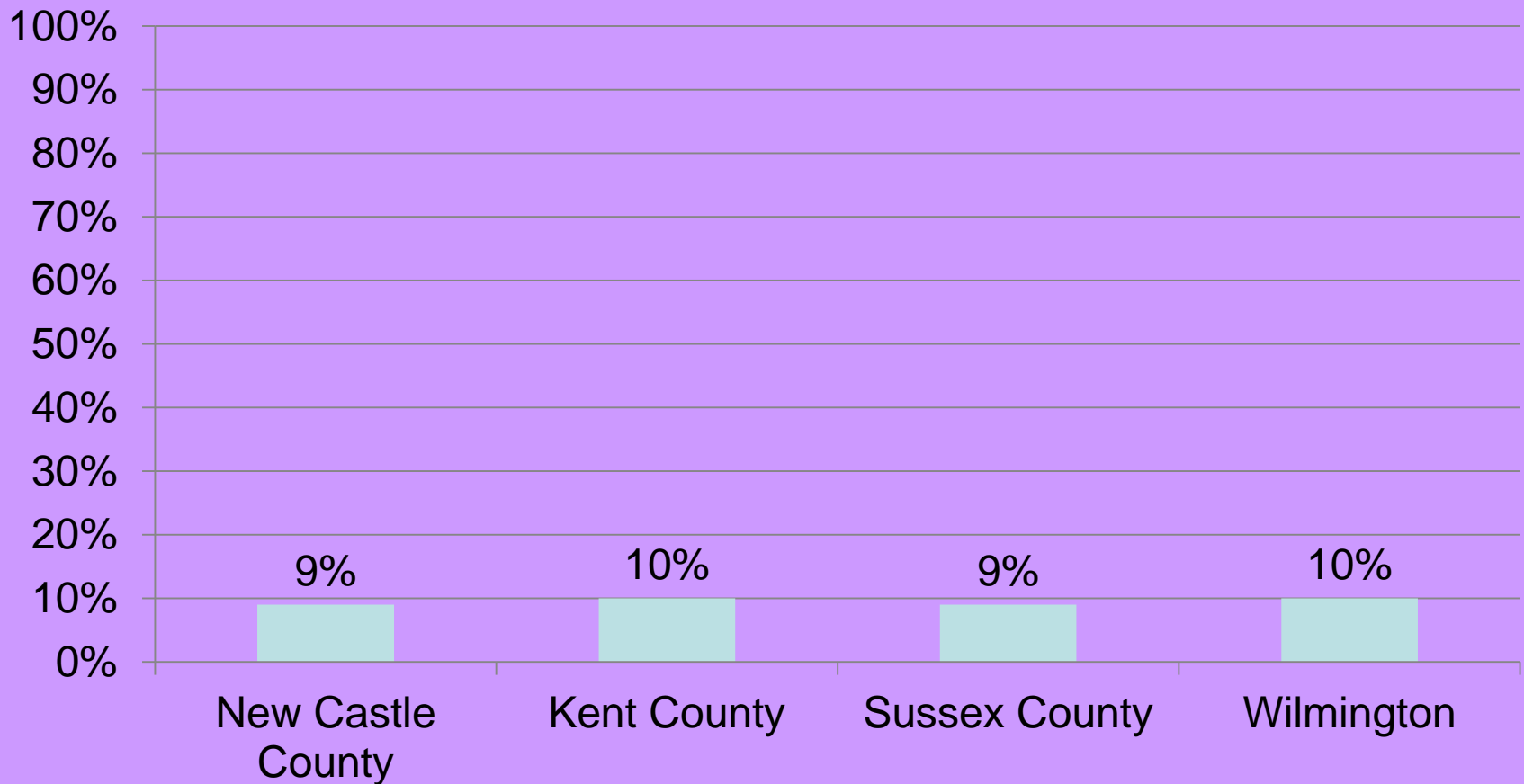
91% of 11th grade students
drive.

10% of 11th grade students report they have driven drunk in the past year and 10% report that they have driven under the influence of marijuana. 4% of students report doing both.

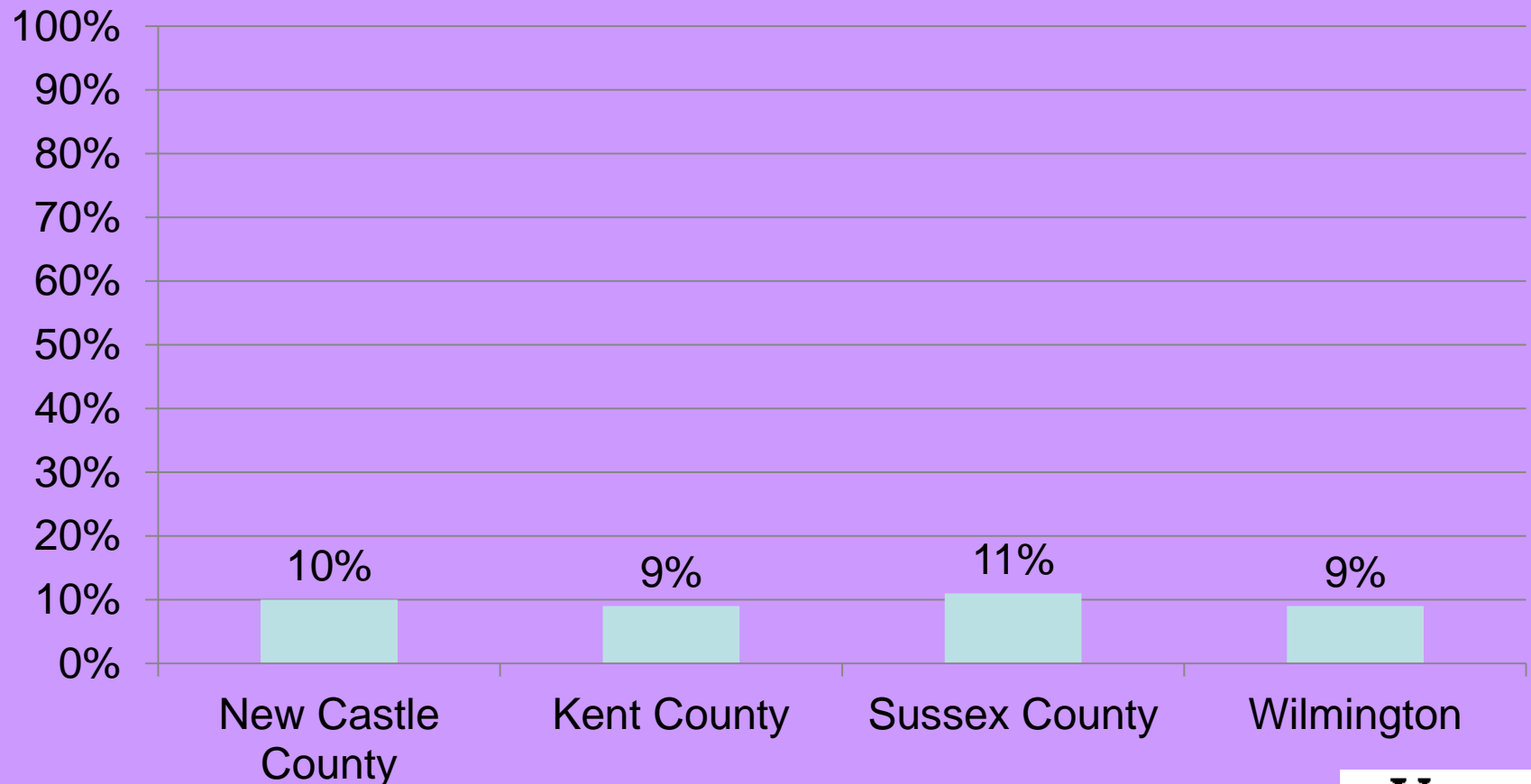
Therefore, 16% of 11th grade drivers, or nearly one in four, has driven under the influence in the past year.



Delaware 11th Grade Students Who Report Driving Drunk in Past Year



Delaware 11th grade students who drove under the influence of marijuana in the past year by Sub-state Planning Area



If each high school student who reports driving under the influence of alcohol or marijuana does it only once, that means there are 4* out there on Delaware roads each day.

* The percentage of 12th graders driving under the influence are based on 11th grade responses



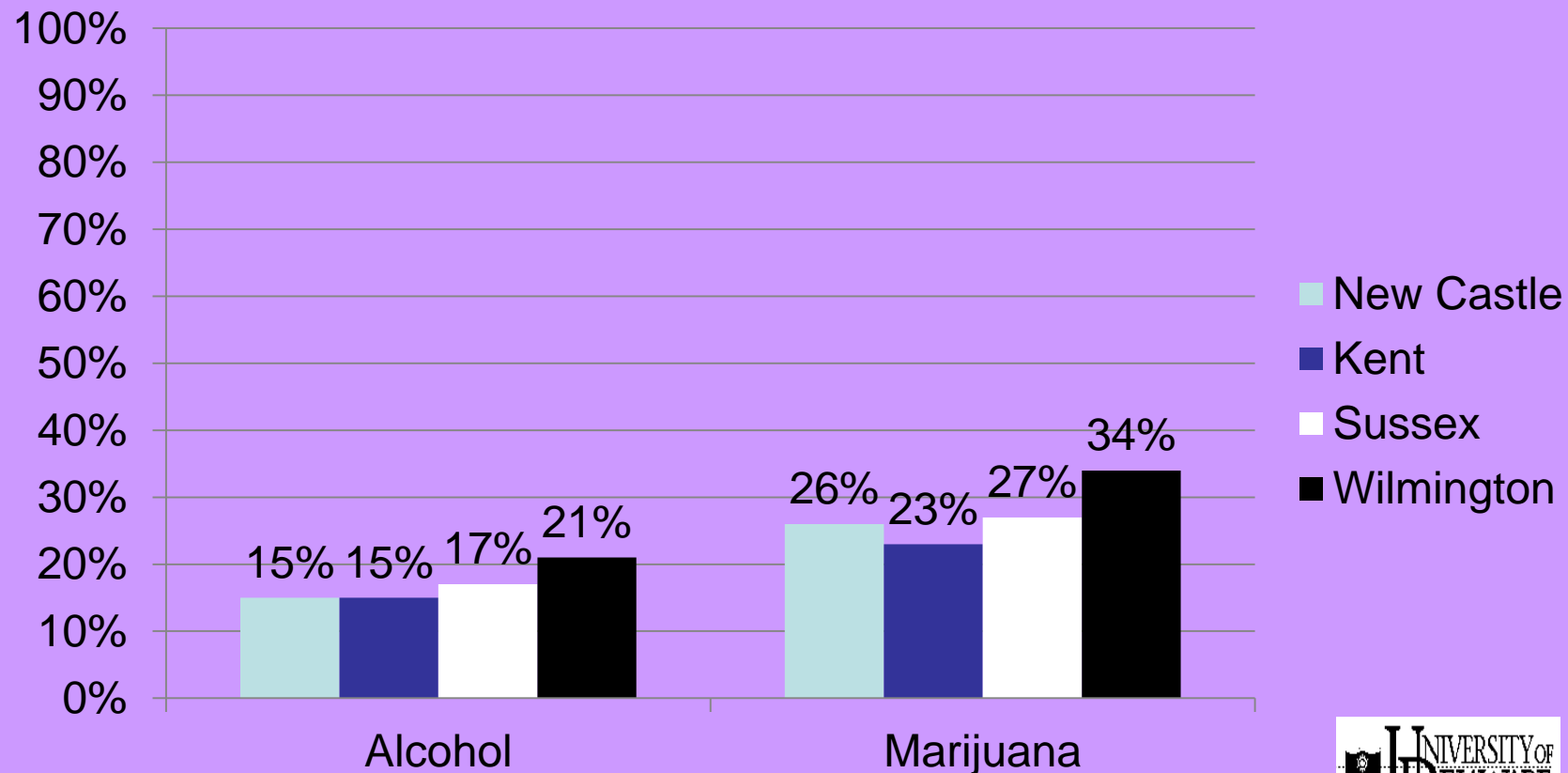
And they probably don't do it
just once.



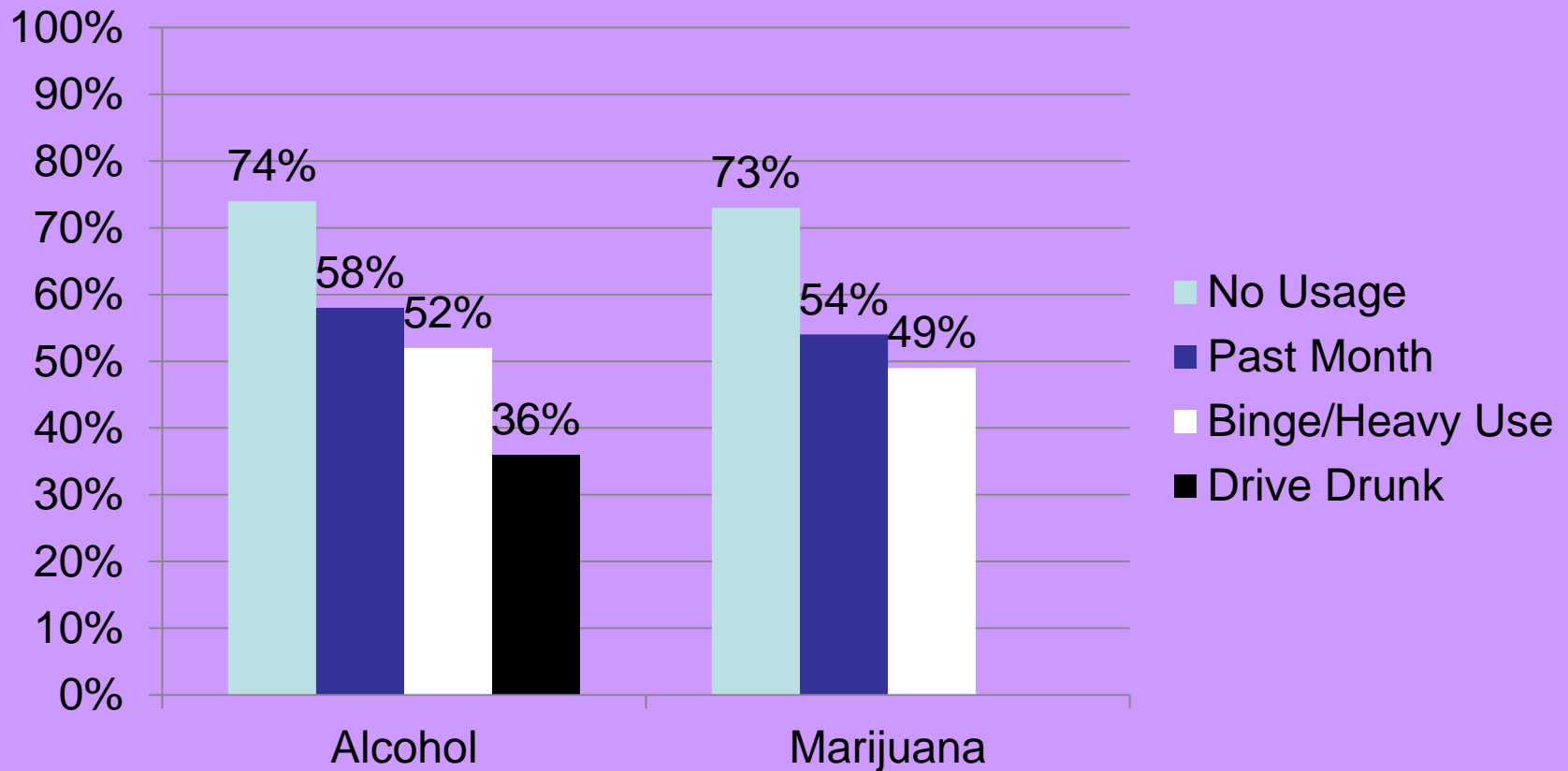
and they don't do it alone. . .

- In the past year, 26% of Delaware 11th graders have ridden in a car with a driver under the influence of marijuana, 15% in the past month
- In the past year, 16% of Delaware 11th graders have ridden in a car with a driver under the influence of alcohol, 5% within the past month
- This includes students who neither drink or use marijuana

11th graders who rode in a car with someone drinking alcohol or someone smoking marijuana during past year by Sub-state Planning Area



The more “under the influence” they are, the less likely they are to always use a seatbelt

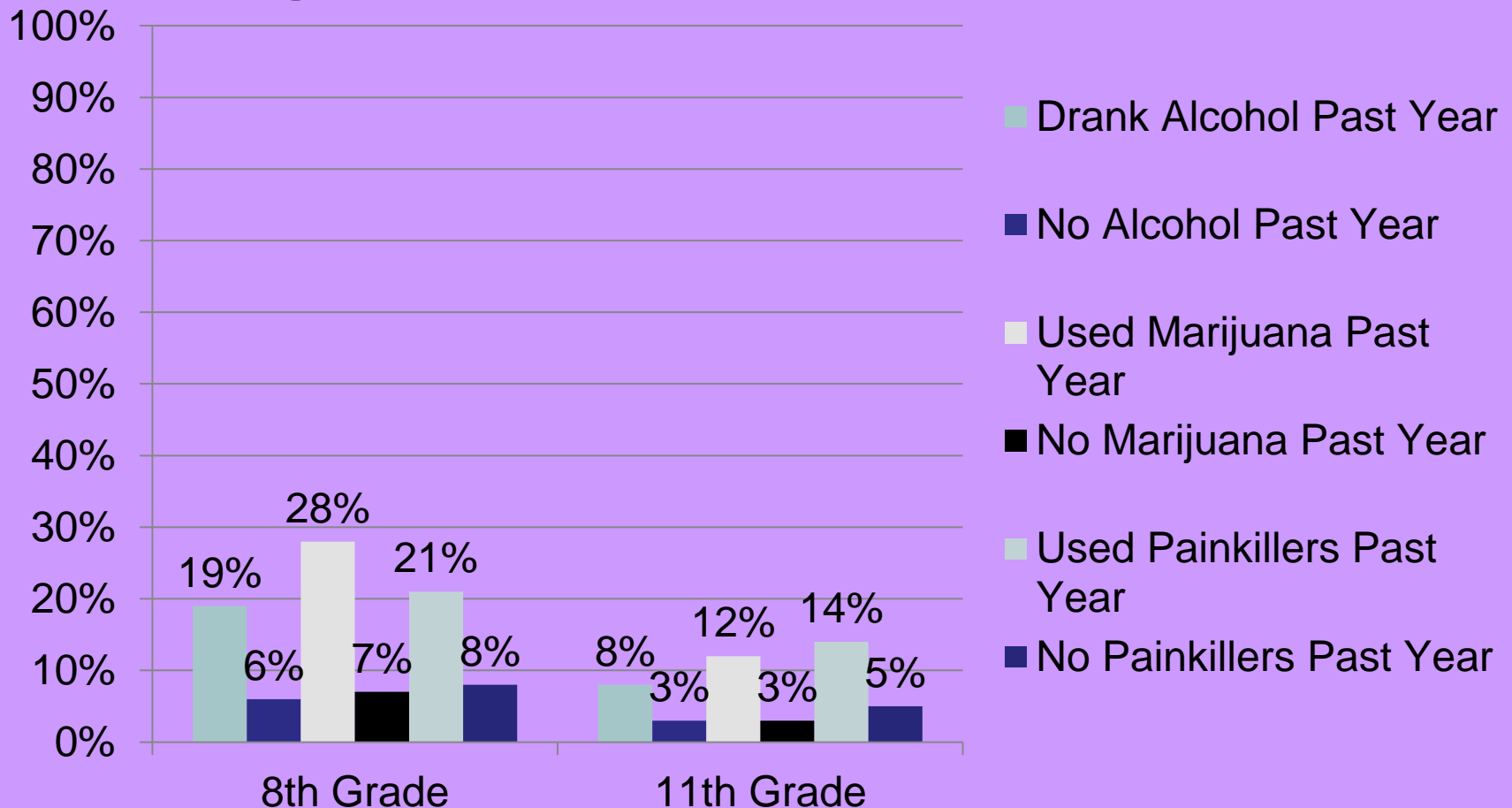


Note: Binge drinking is defined as 3 drinks at a time in the last 2 weeks, heavy marijuana use is defined as using it more than 10 times in past month.

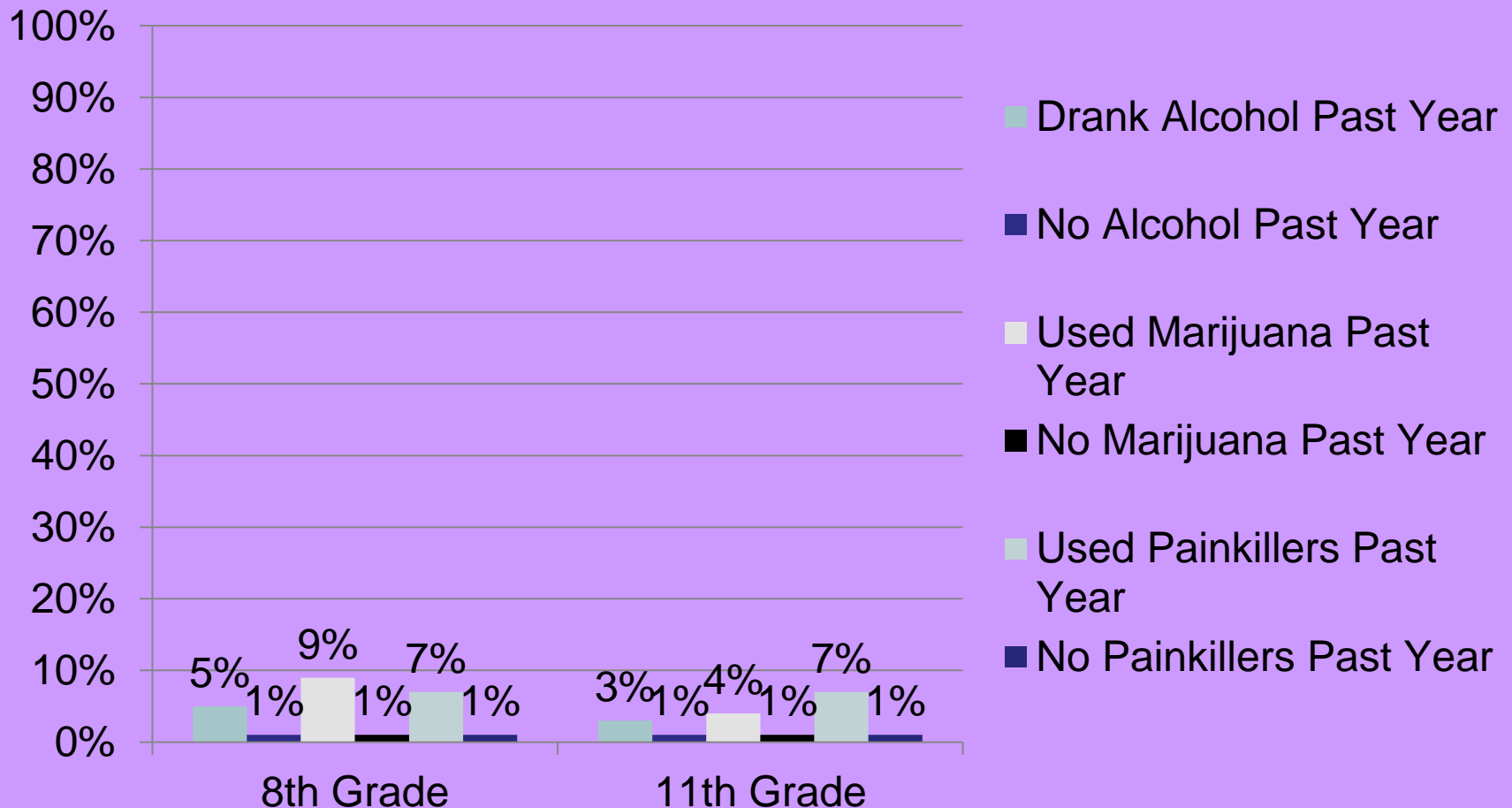
Note: Participants are not asked about driving under the influence of marijuana



Self-Reported Juvenile Suspensions/ Expulsions from School in the Past Year

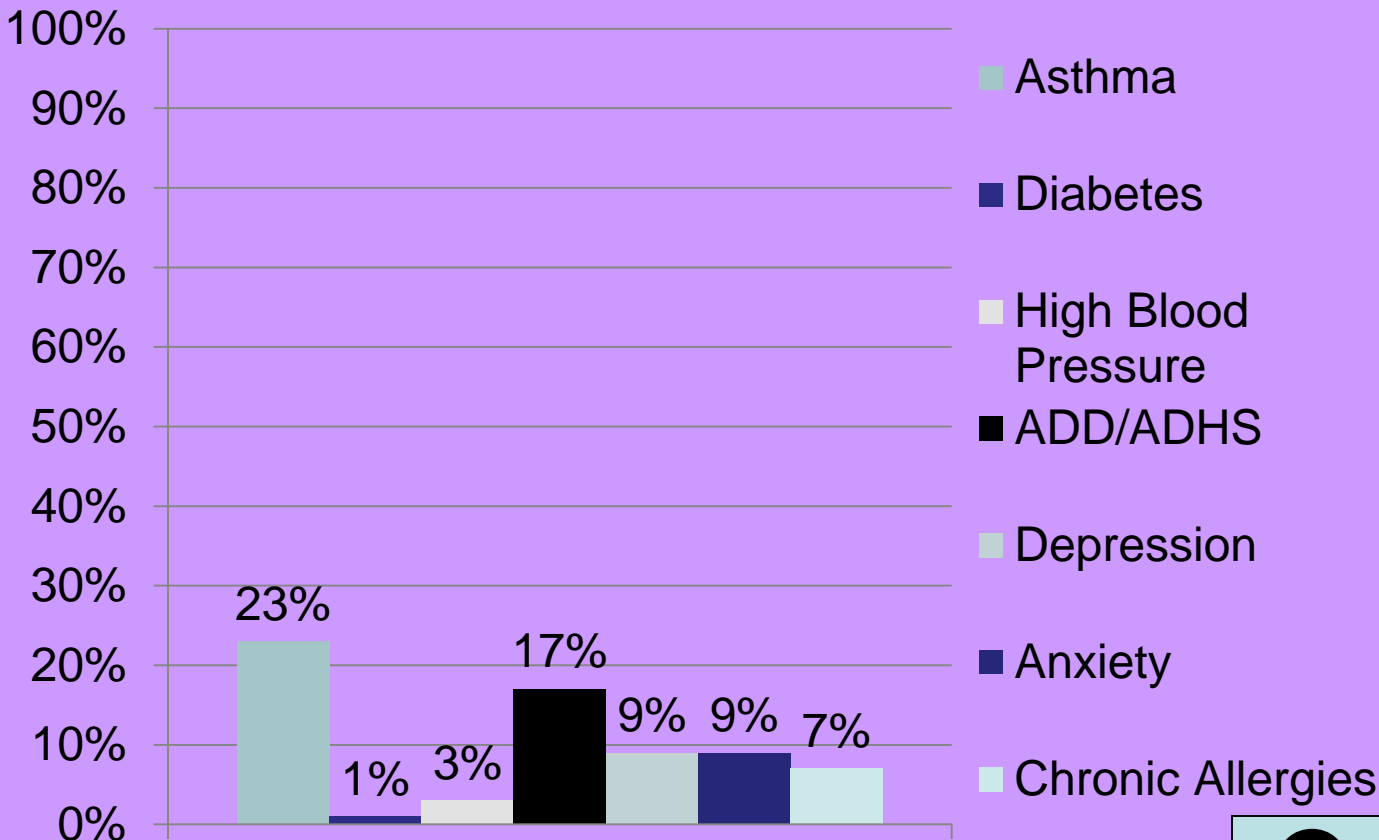


Self-Reported Juvenile Arrests in the Past Year



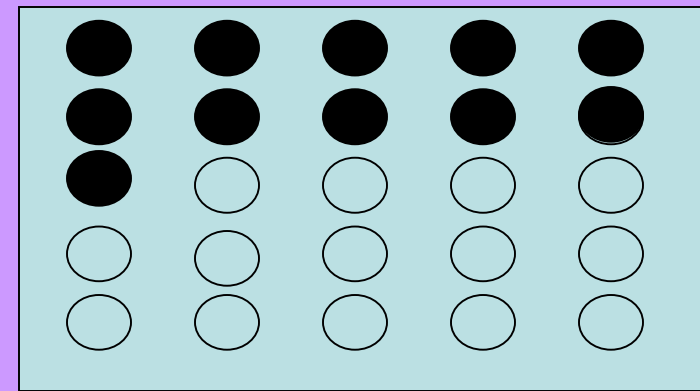
The more schooling students expect to complete, the less likely they are to report past month drinking. Among those who expect to complete high school, 40% drank, but among those who expect to complete college, 32% drank.


Percentage of High School Students Reporting Diagnosis of Chronic Illness



44% of High School Students report being diagnosed with at least one Chronic Illness.

Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies



Two blurred red pill bottles with white labels are positioned on the left side of the image. The labels are illegible due to blurring, but they appear to be standard pharmaceutical packaging. The background is a light, neutral color.

28% of these students diagnosed with a chronic illness take prescribed medications for their conditions, and many of these are more likely to self-medicate, using illegal drugs.



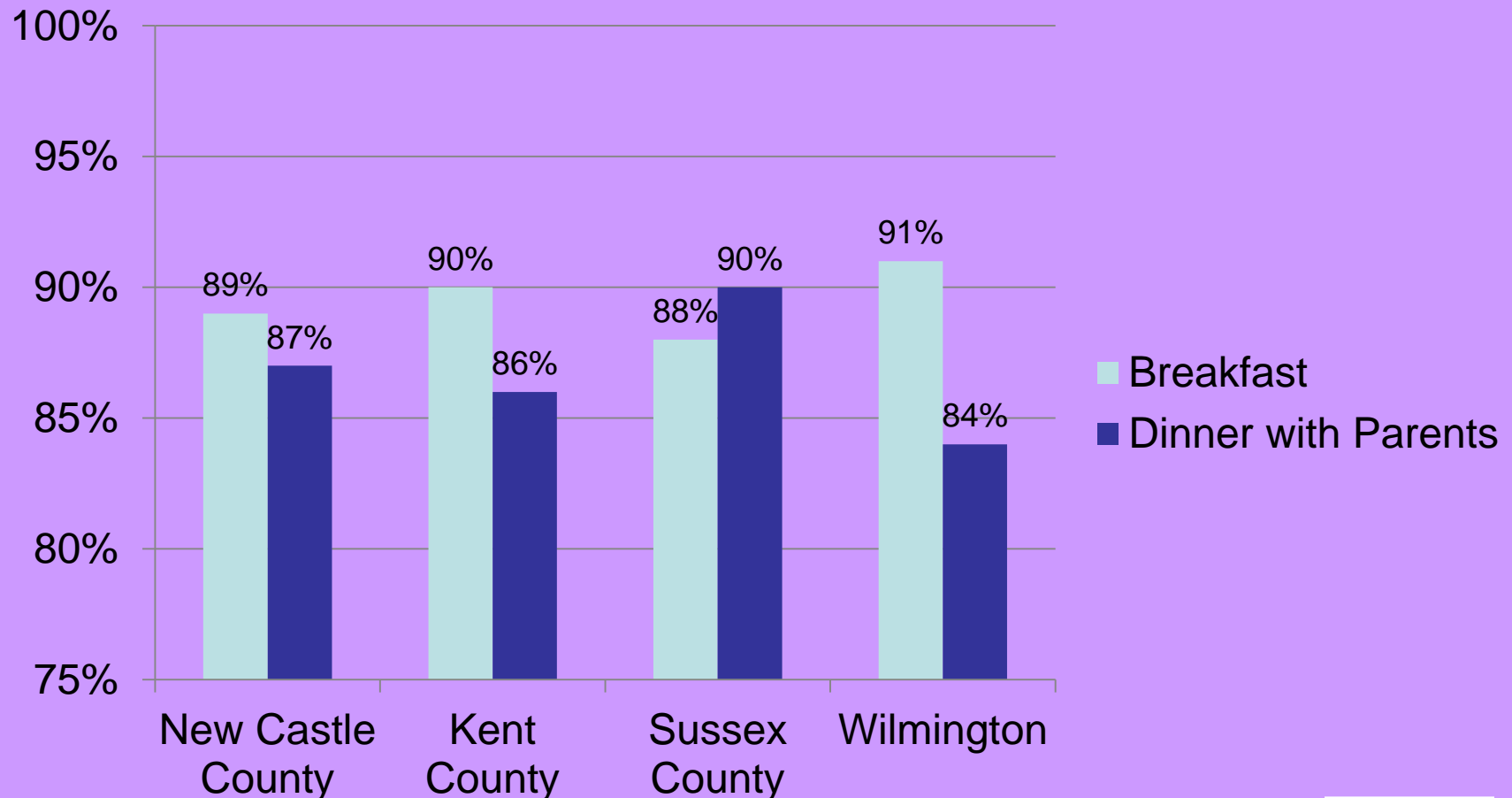
Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies

- **19% of high school students eat breakfast at most 1 time each week**
- **Less than 1 in 4 eats dinner with their family at most one time each week—and are likely to eat less vegetables**
- **45% get 6 hours or less of sleep on school nights (when research now indicates they should have 9 or more)**
- **57% have had a caffeinated drink yesterday**

Source: 2013 High School Delaware Youth Risk Behavior Survey,
University of Delaware Center for Drug and Health Studies



11th grade students who have breakfast at least once a week and who eat dinner with their parents at least once a week by sub-state planning area



20% of Delaware high school students did not exercise for more than 1 hour in the past week and less than half take Physical Education class (and only 13% get it 5 days/week), but more than half report playing video games 2 or more hours per day.

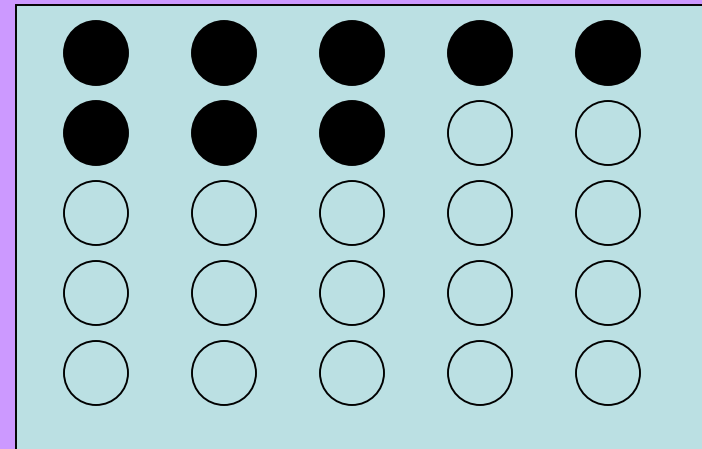


Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies

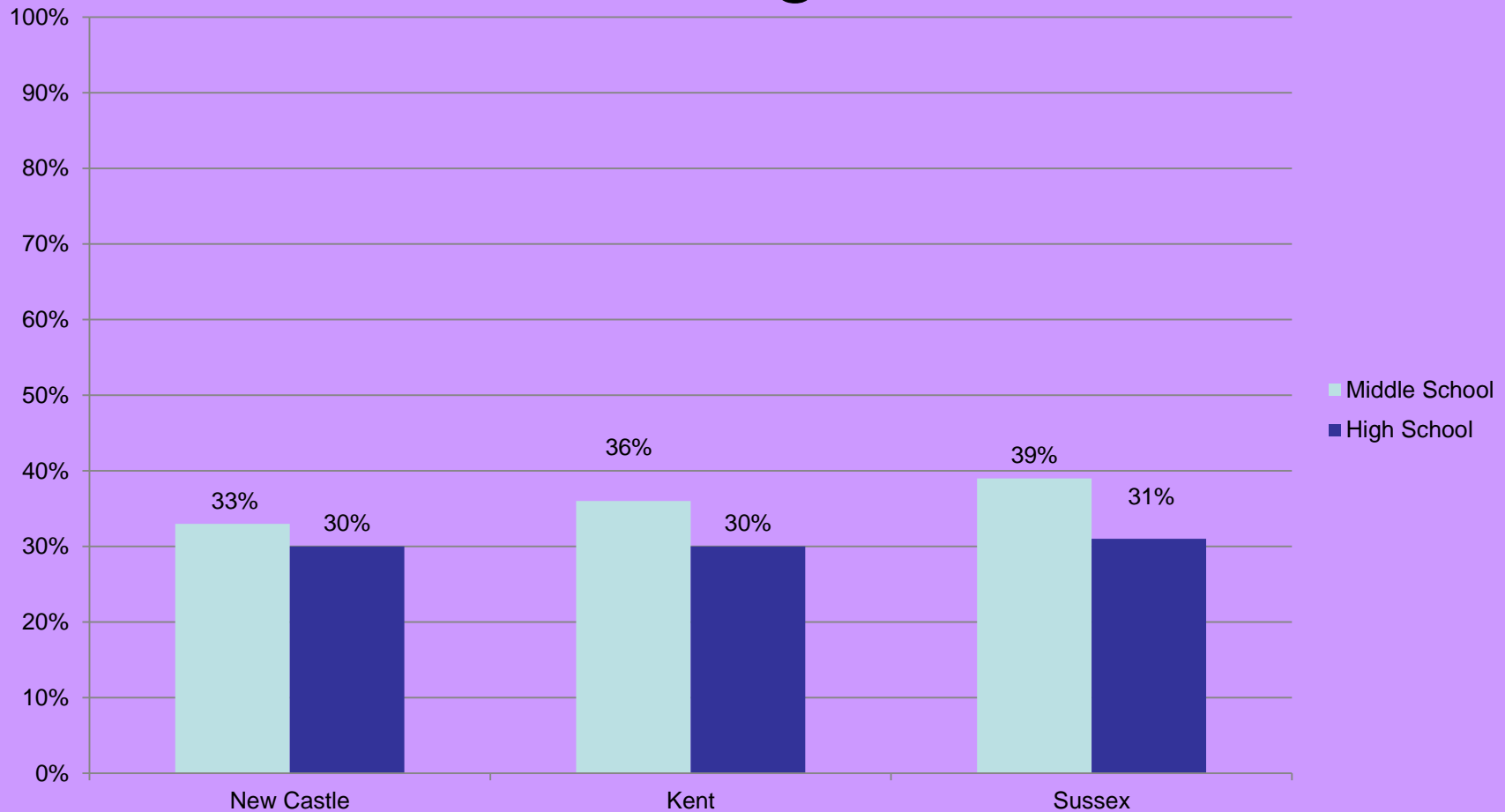


8 students in the average high school class of 25 are obese (above 95th percentile) or overweight (above 85th percentile of national norms).

Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies



Overweight and Obese Middle and High School Students by Sub-State Planning Area



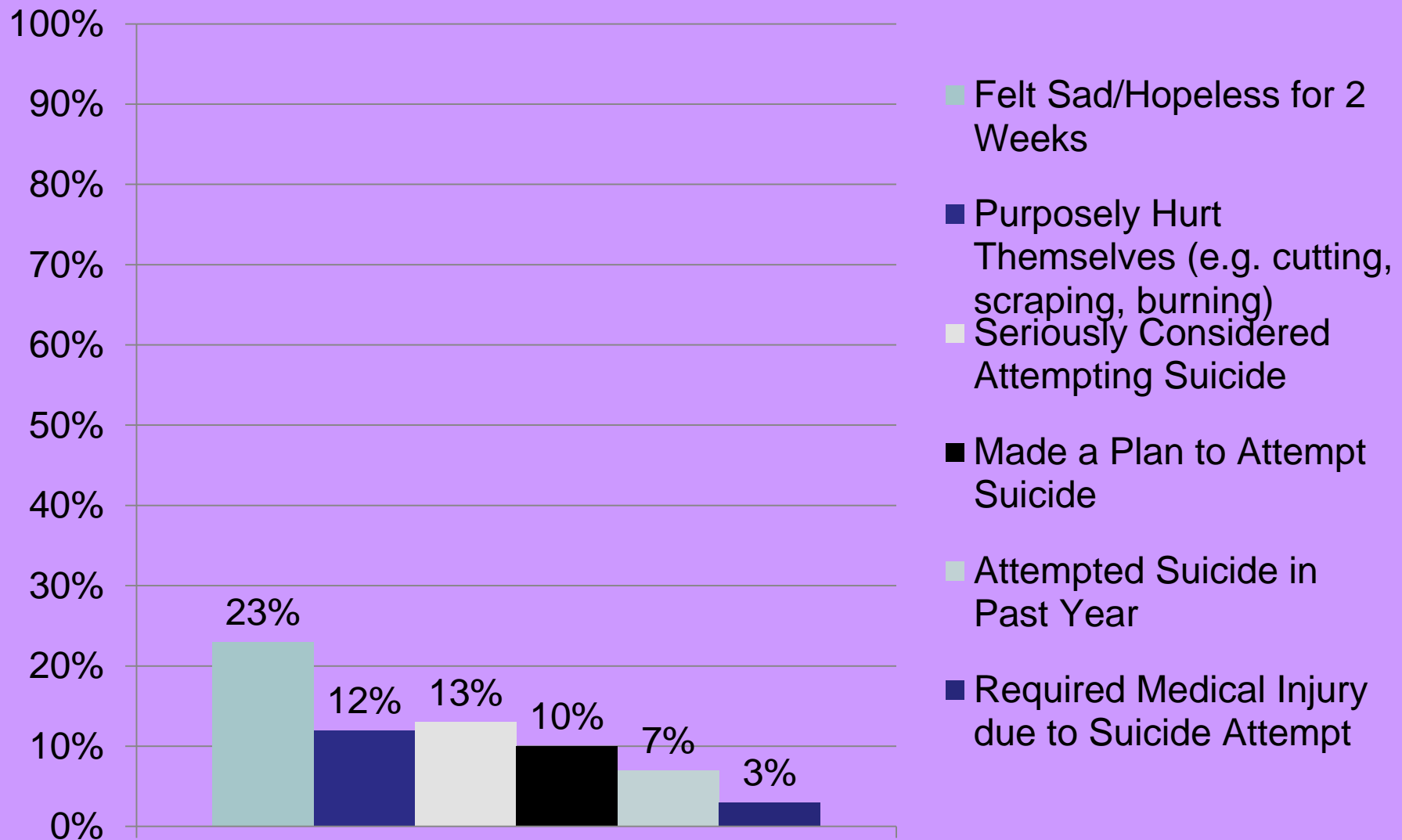
Source: 2013 High School and Middle School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies



Those who are overweight or obese:

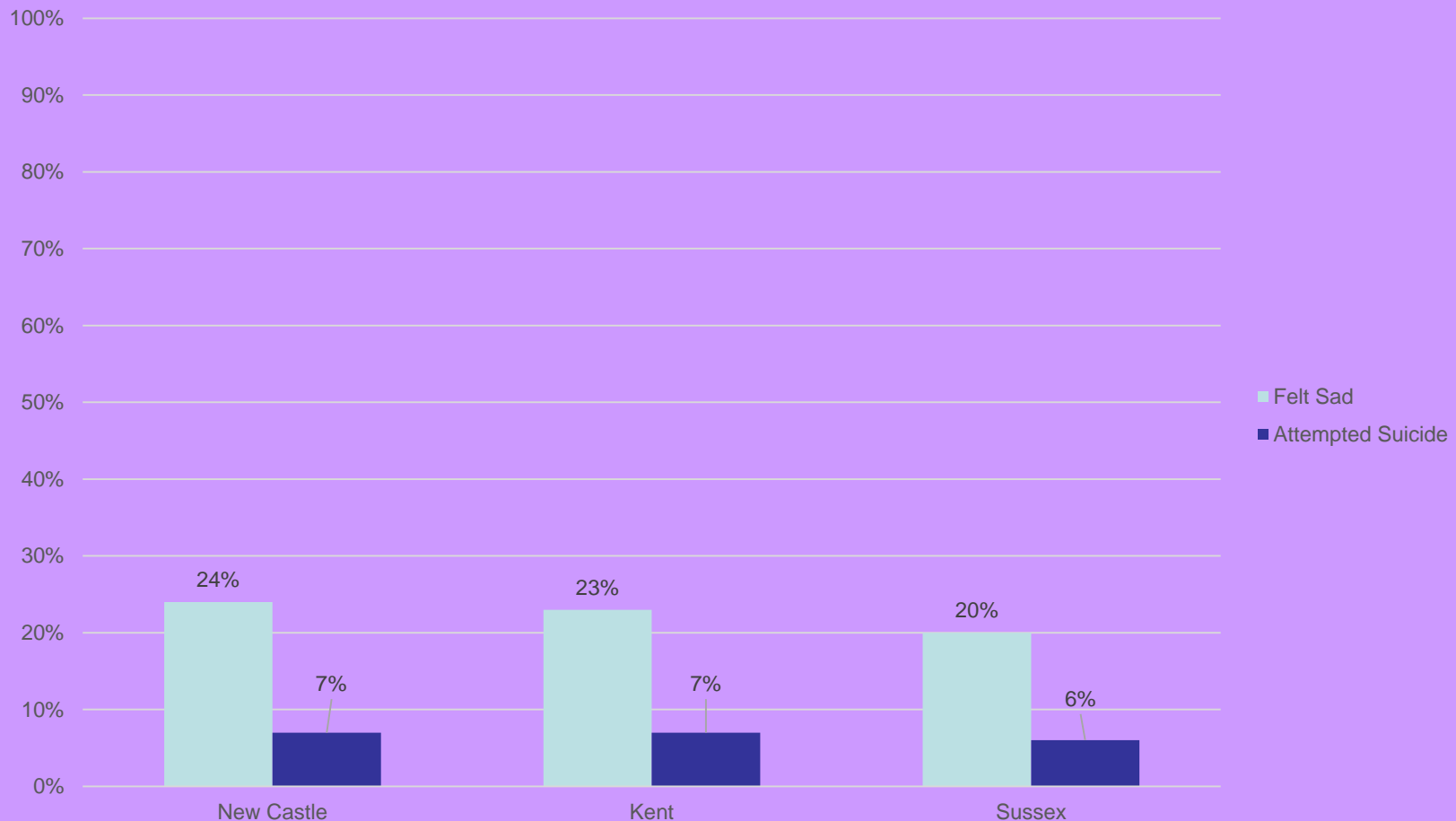
- Report eating the same types of foods as those in normal weight ranges—we have no measure of the amount they eat.
- Report less physical activity than those in normal weight ranges, and are more likely to report taking PE once a week rather than daily
- Report more screen time than those in normal weight ranges.

With Regard to Sad Feelings, Self- Injury, and Attempted Suicide, Students Report They . . .



Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies

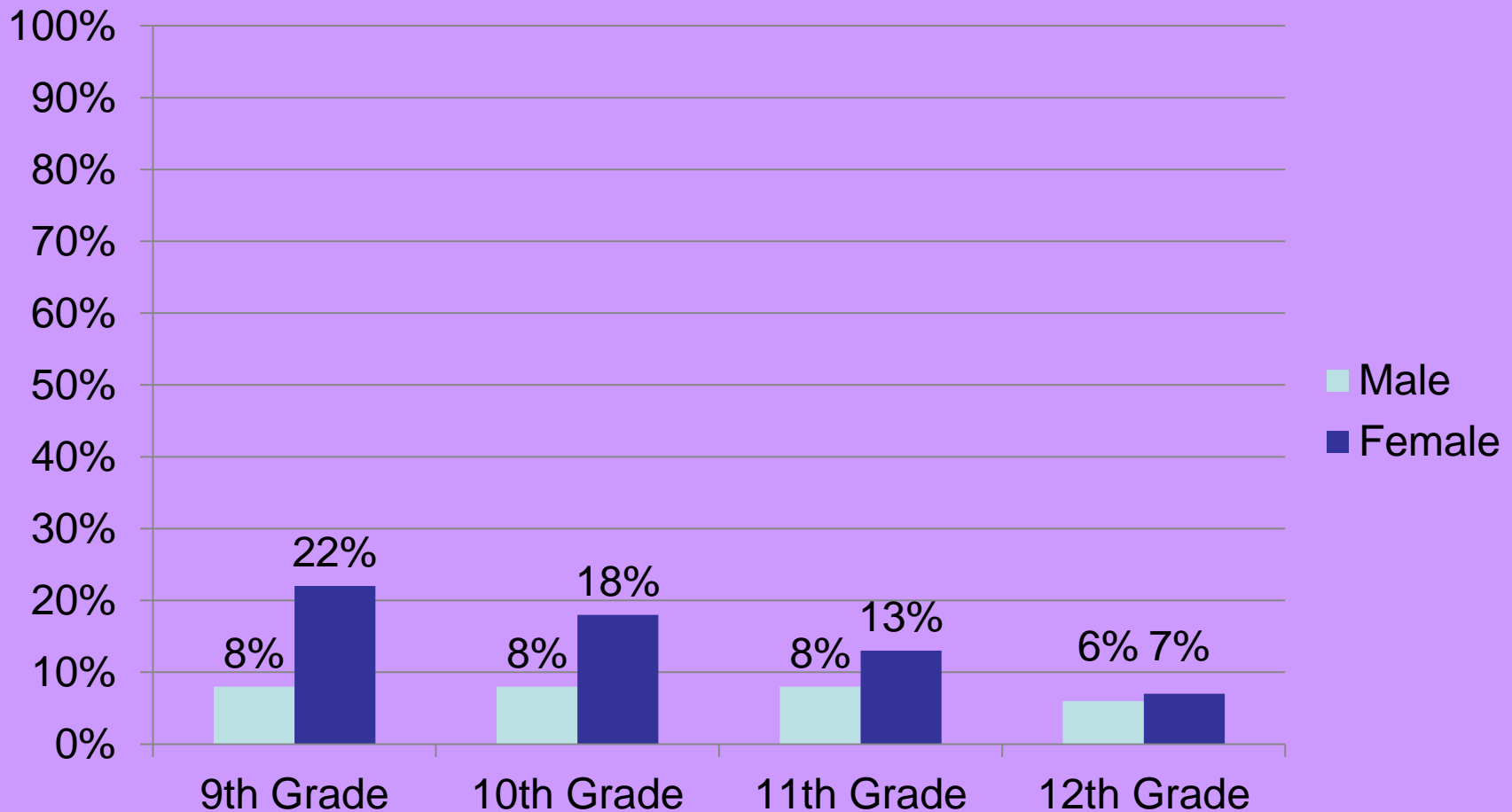
High School Students who Report Feeling Sad and Attempting Suicide by Sub-State



Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies



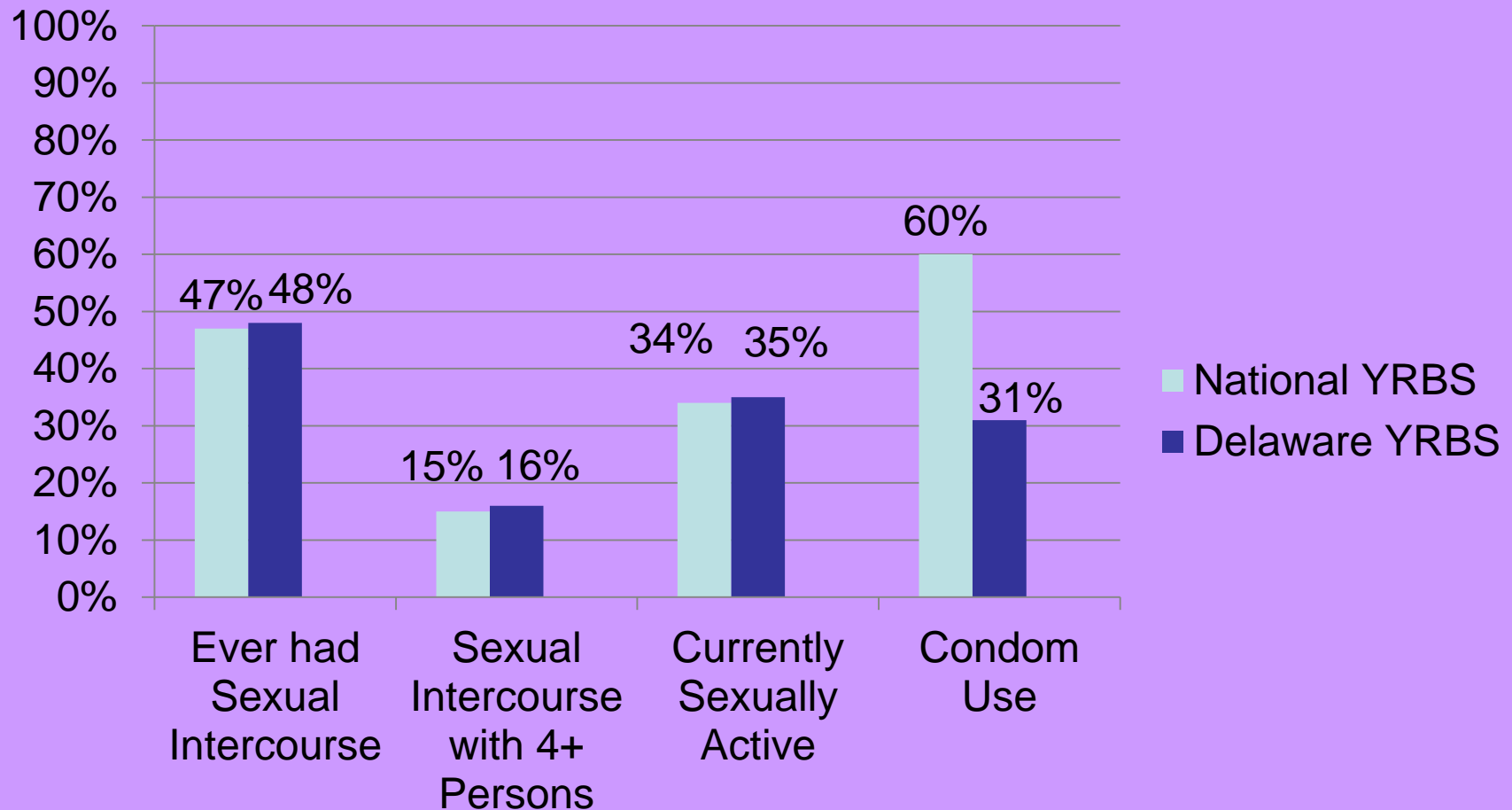
Girls are most likely to intentionally cut, scrape, or burn themselves.



Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies



Delaware is consistently above National Norms on the Percentage of Students Who Reported Sexual Risk Behaviors



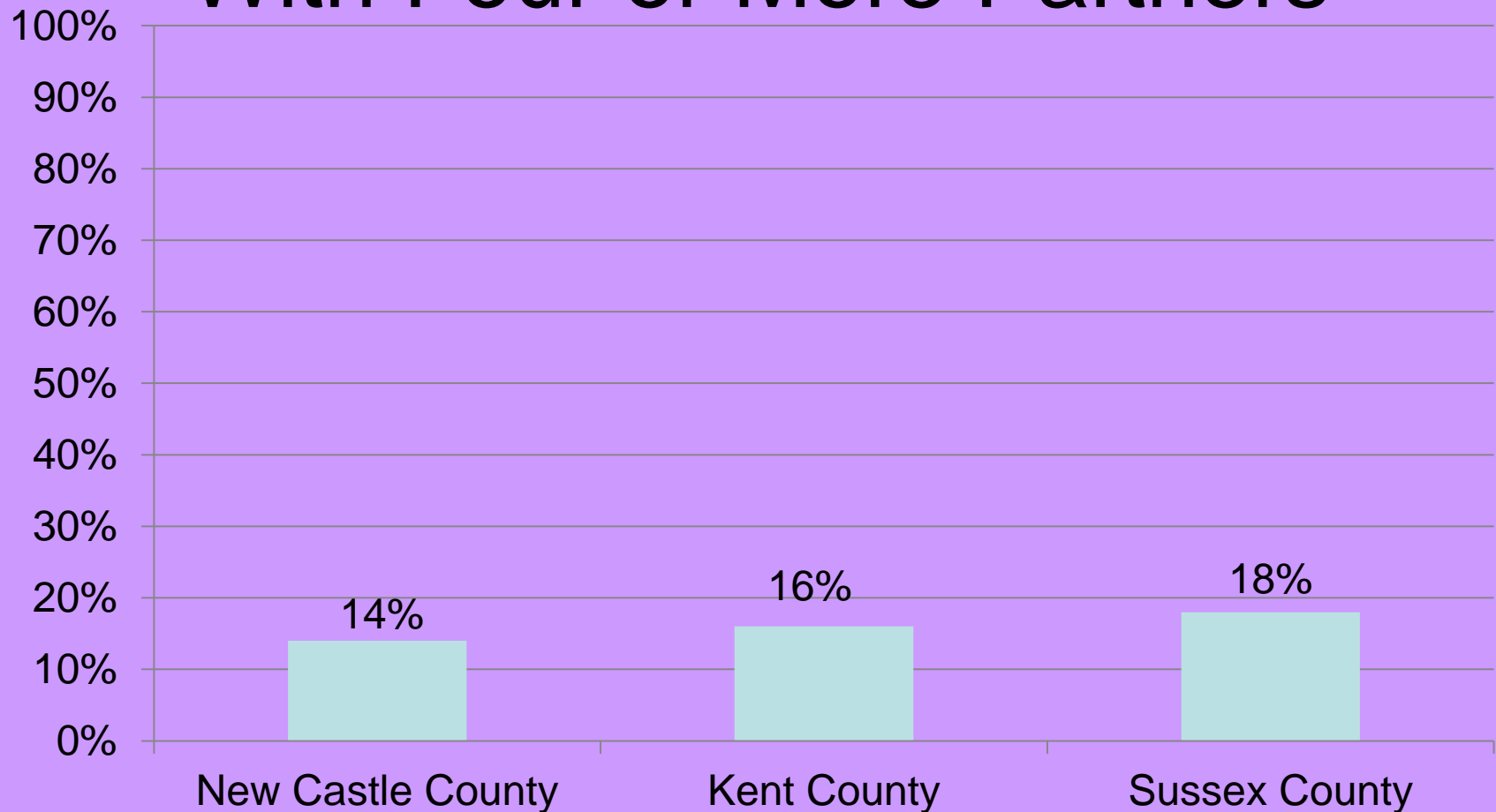
¹ Had sexual intercourse during the 3 months preceding the survey.

² Among students who were currently sexually active.

Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies



Delaware High School Students Self-Report Having Had Sexual Intercourse With Four or More Partners



Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies



- 58% of 11th grade students reported they had given or received oral sex—46% of 9th graders have.
- 5% of 11th grade girls report having been pregnant at least once—5% of 9th grade girls.
- 2% of 11th grade students reported that they had been diagnosed with a sexually transmitted disease (STD)—1% of 9th graders have.
- Remember, these are the students still in school.

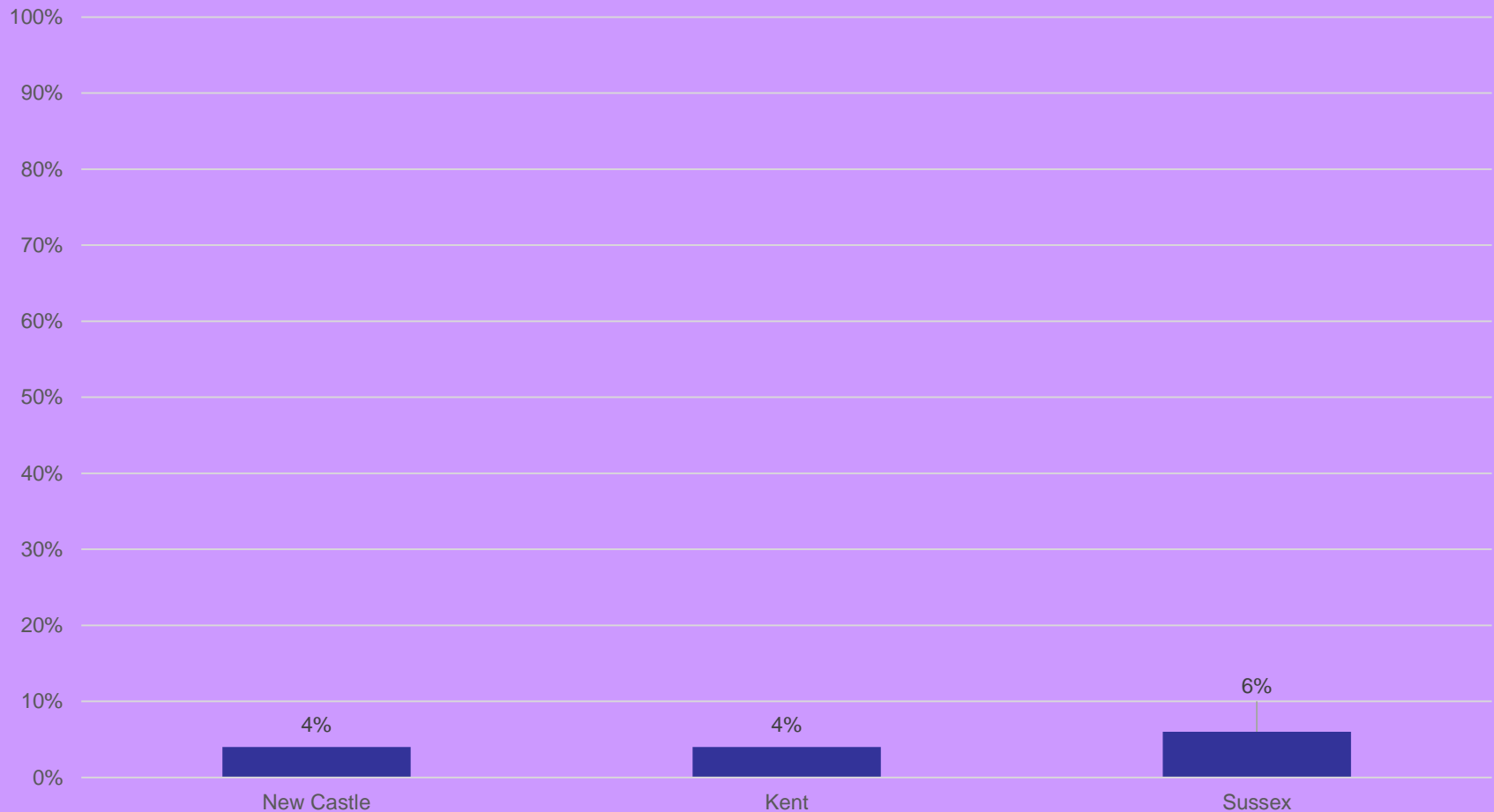
Four percent of high school girls say they have been pregnant at least once.



Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies



High School Female Students who Report a Pregnancy by Sub-State



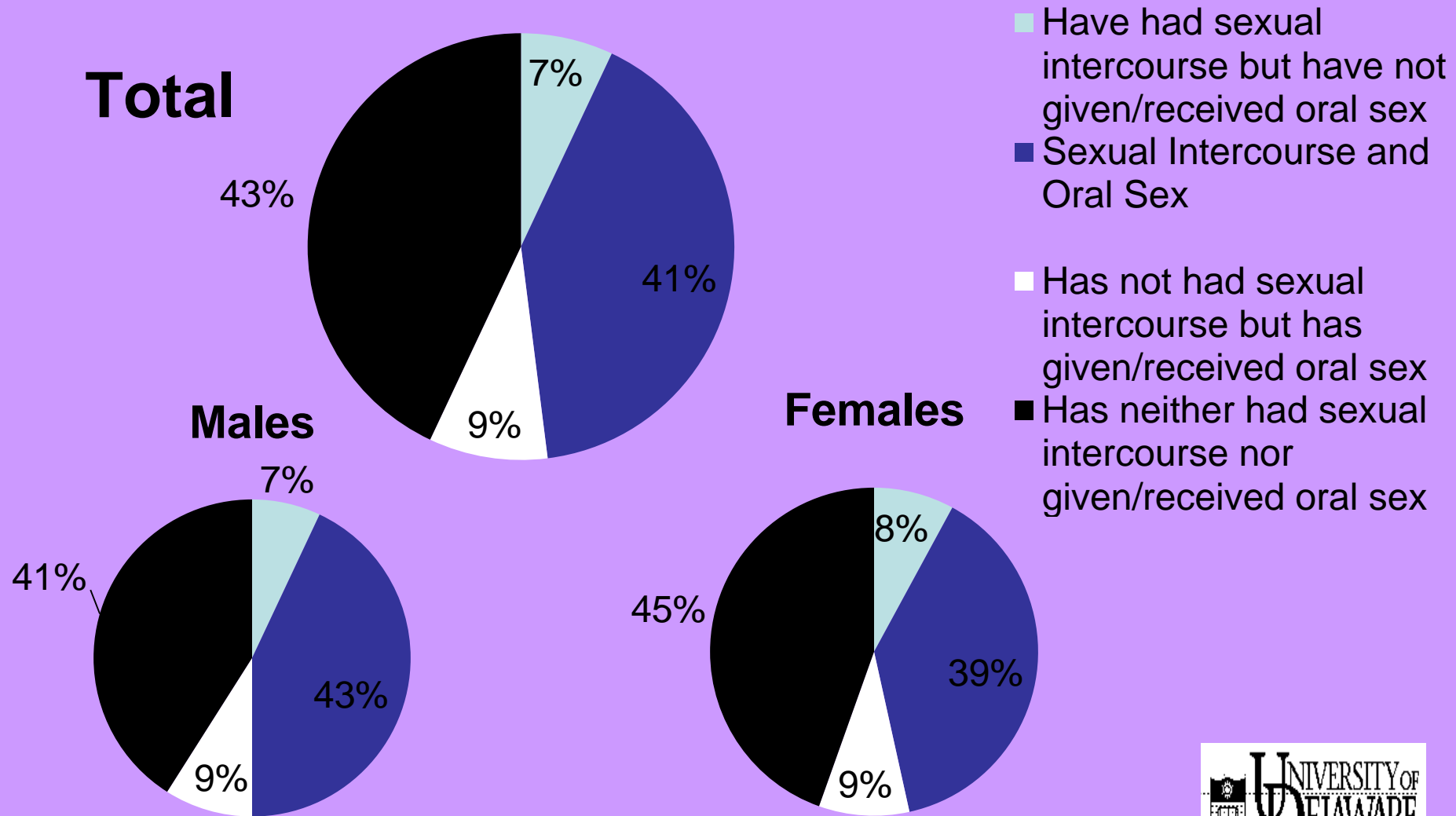
Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies



Students who report not having had sexual intercourse are most likely to report the following reasons:

- Not ready
- Sex is only for serious relationships
- Prevent pregnancy/STD's

Patterns of Sexual Behavior Reported by 2013 Delaware High School Students

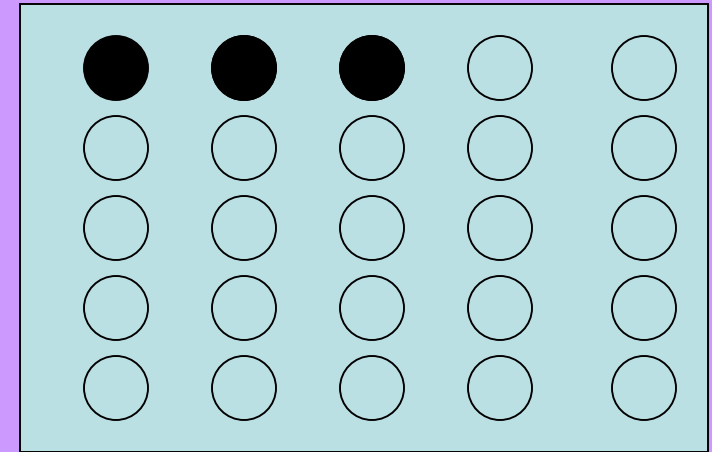
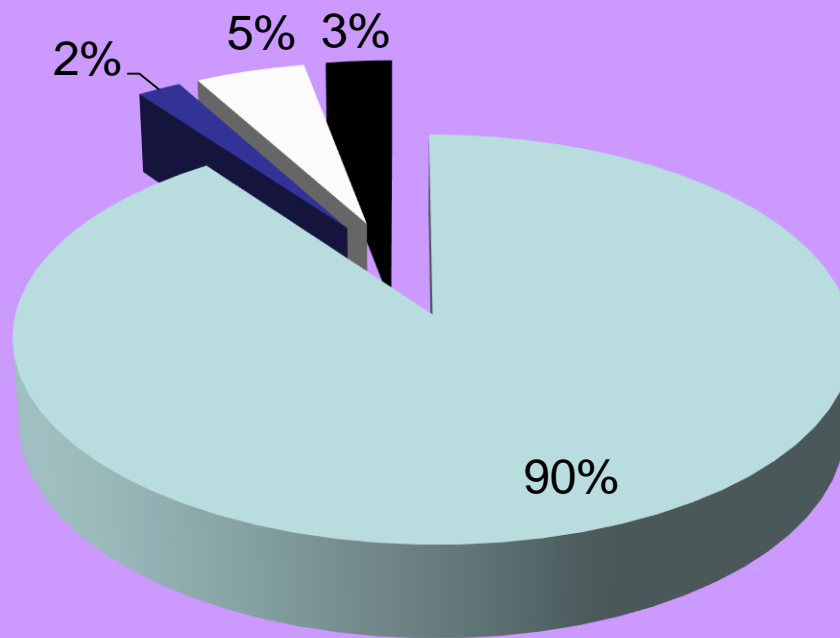


Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies



Small Numbers of Delaware High School Youth

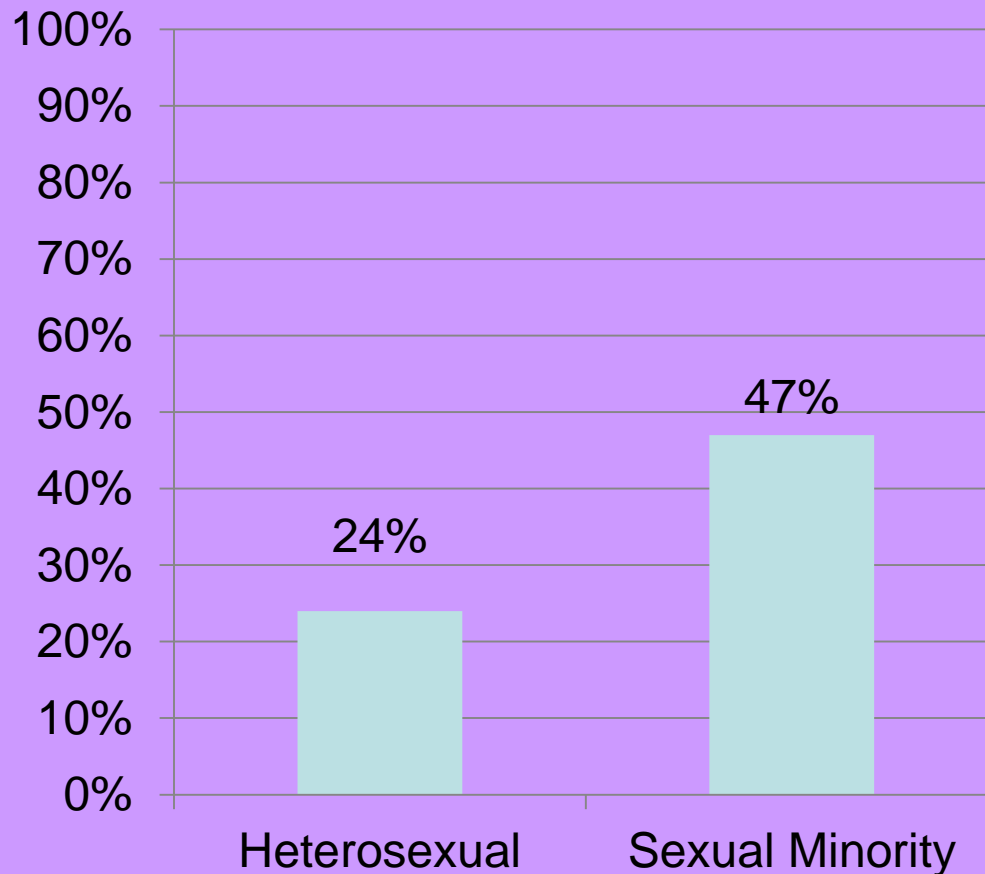
Report Minority Sexual Orientation—homosexual or bisexual



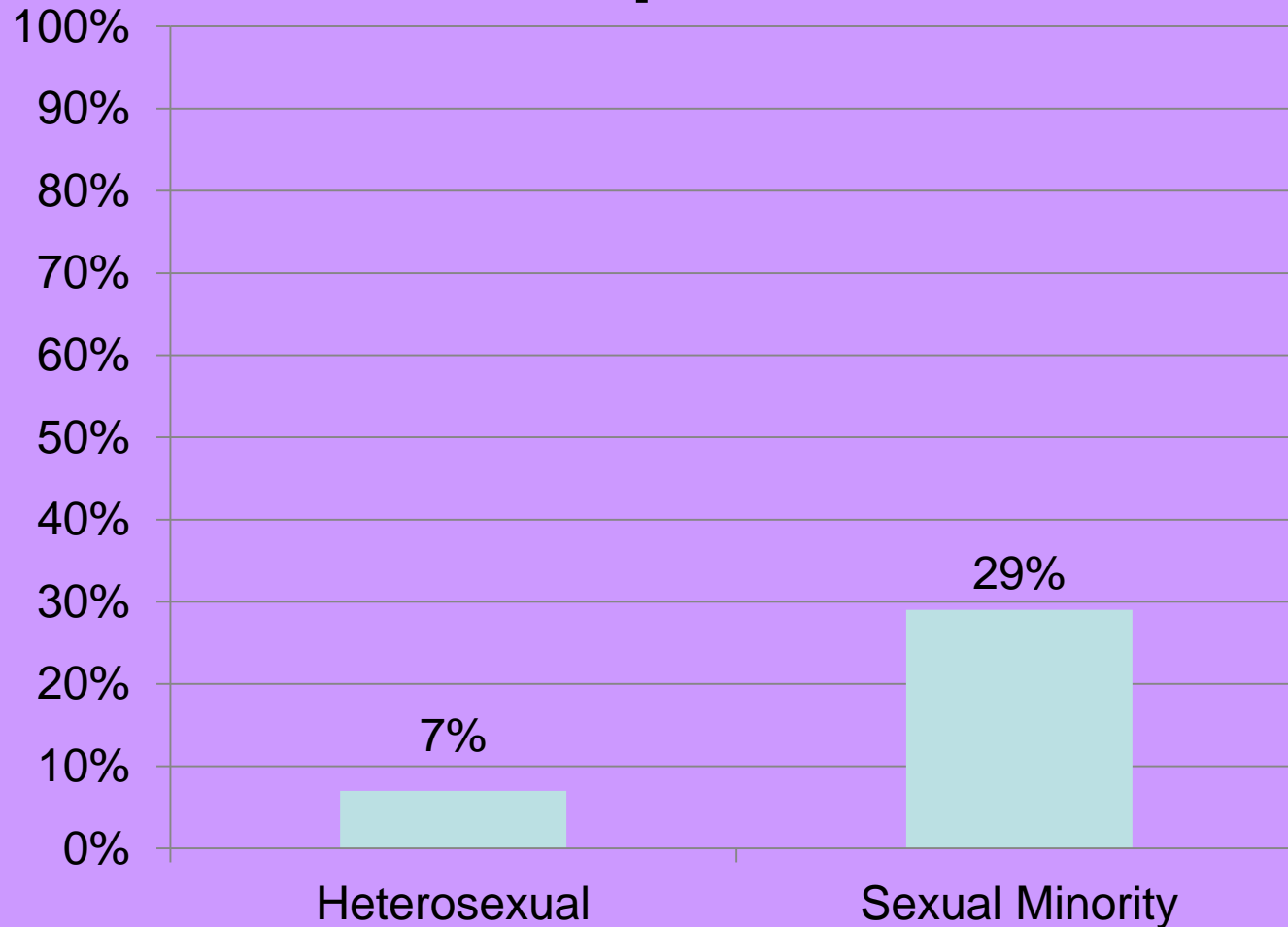
- Heterosexual
- Homosexual
- Bisexual
- Not Sure



These students are significantly more at risk. They are more likely to report smoking marijuana during the past month:



And they are more likely to report that within the past year they made a plan about how to attempt suicide.



Most of
Sophia's
classmates
drink.

Most are
sexually
active.

Many use
drugs.

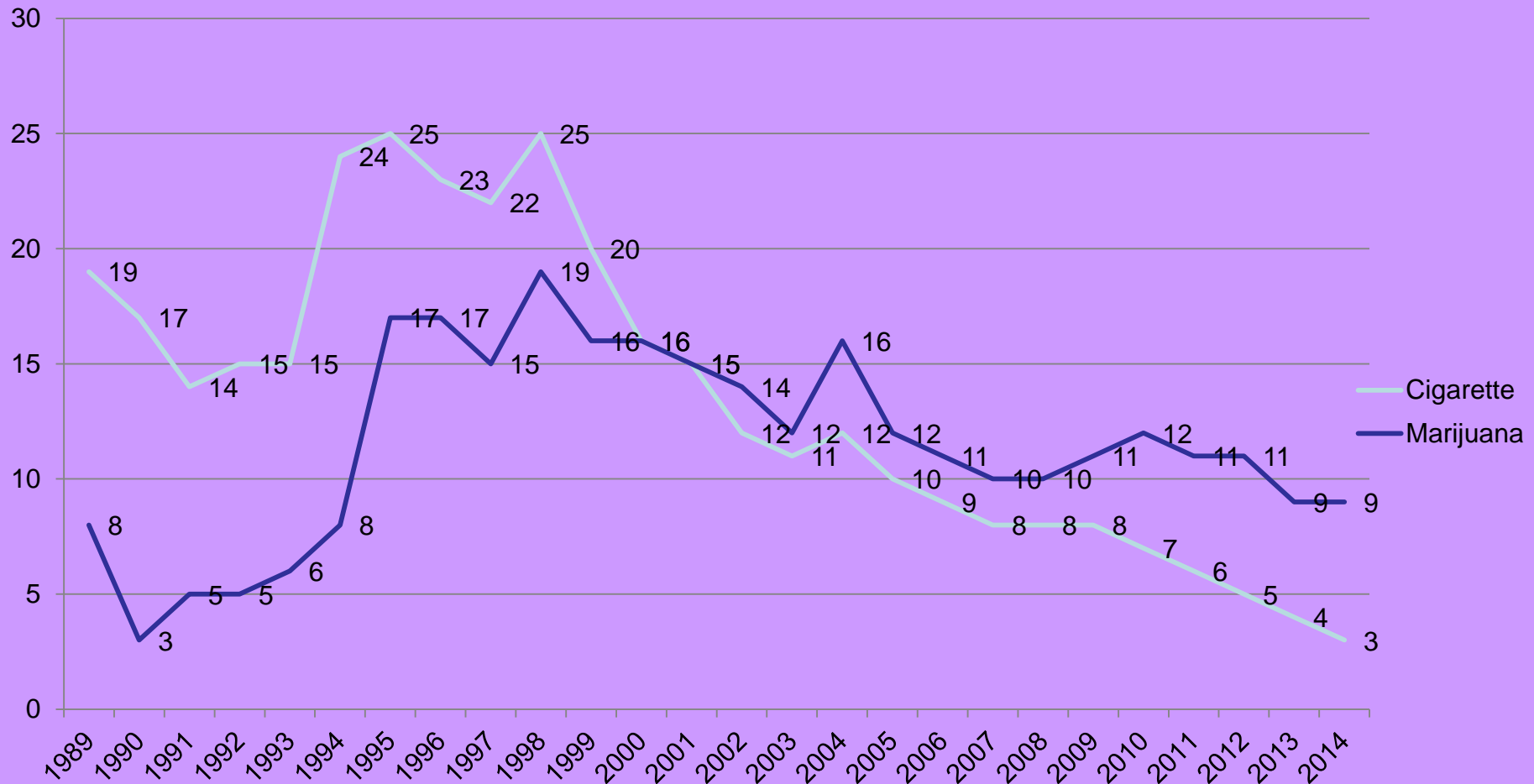
Many are
depressed.



Age of Onset

- Delaware is 11th out of 44 states participating in the 2011 YRBS in the percentage of students who report using alcohol before the age of 13: 23%. The average age of onset reported by 8th graders is 11.9 years.
- Delaware is 6th out of 44 states participating in the 2011 YRBS in the percentage of students who report marijuana use before age 13: 10%. The average age of onset reported by 8th graders is 12.3 years.

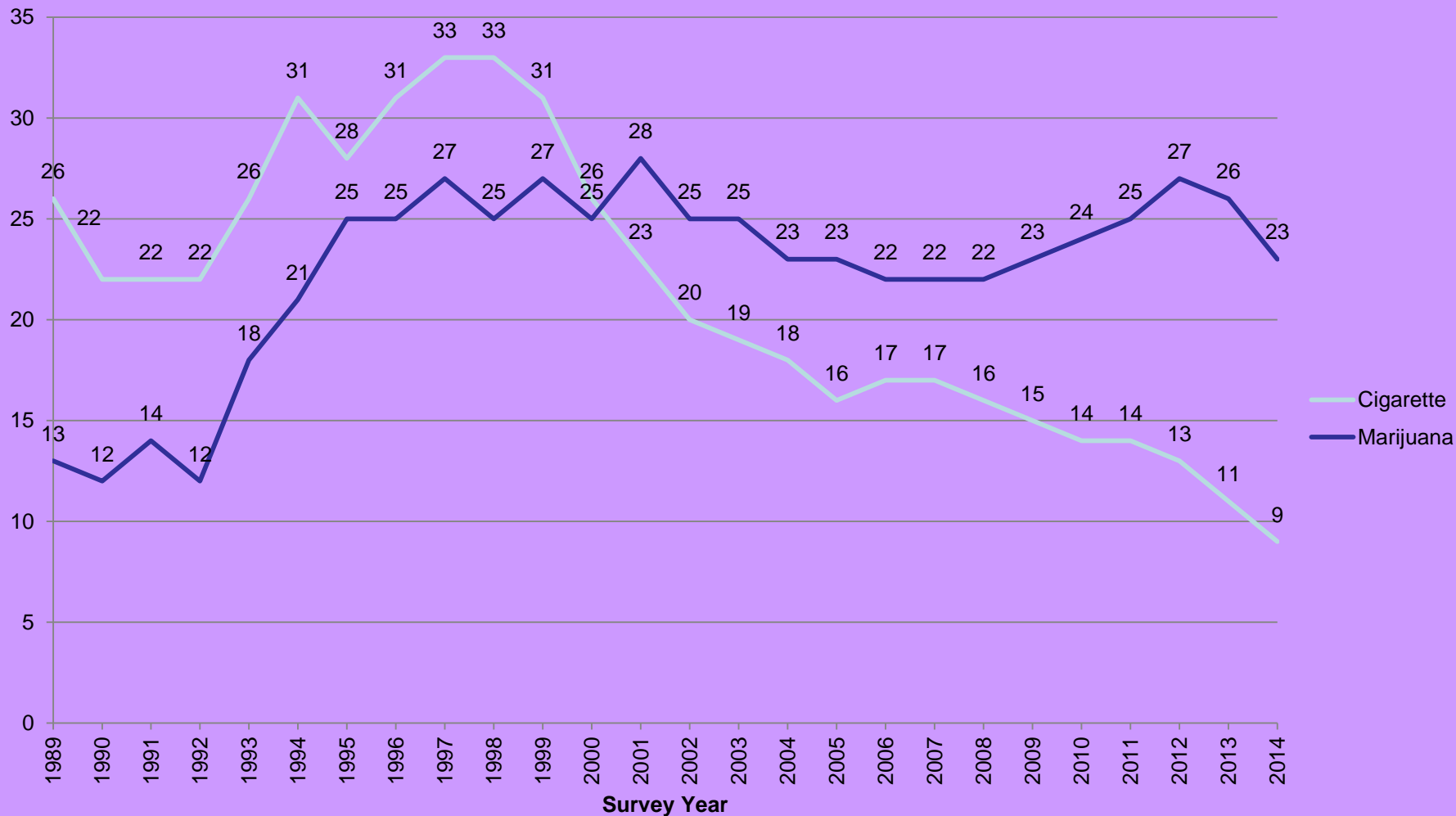
Trends in Delaware 8th Grade Students' Substance Use Self-Reported Regular Use*, 1989-2014



Note: *Regular use is defined as reports of about once a month or more often; see note, page 20.

Source: Data Base/Diagnostics Plus (1989-1993); Department of Public Instruction, 1994; 1995-2014 Delaware School Survey. Center for Drug and Alcohol Studies, University of Delaware.

Trends in Delaware 11th Grade Students' Substance Use Self-Reported Regular Use*, 1989-2013

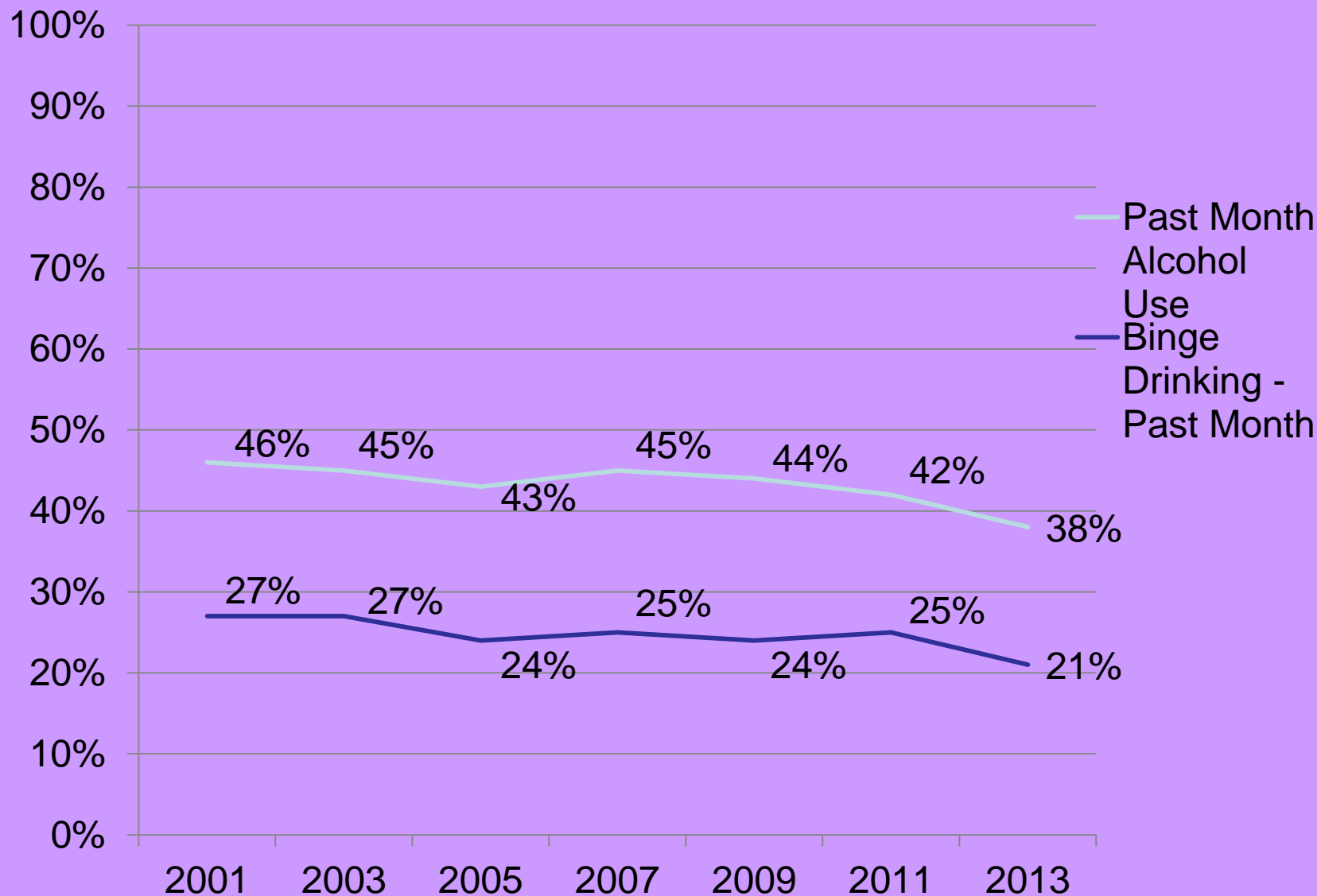


Note: *Regular use is defined as reports of about once a month or more often; see note, page 20.

Source: Data Base/Diagnostics Plus (1989-1993); Department of Public Instruction, 1994; 1995-2013 Delaware School Survey. Center for Drug and Alcohol Studies, University of Delaware.



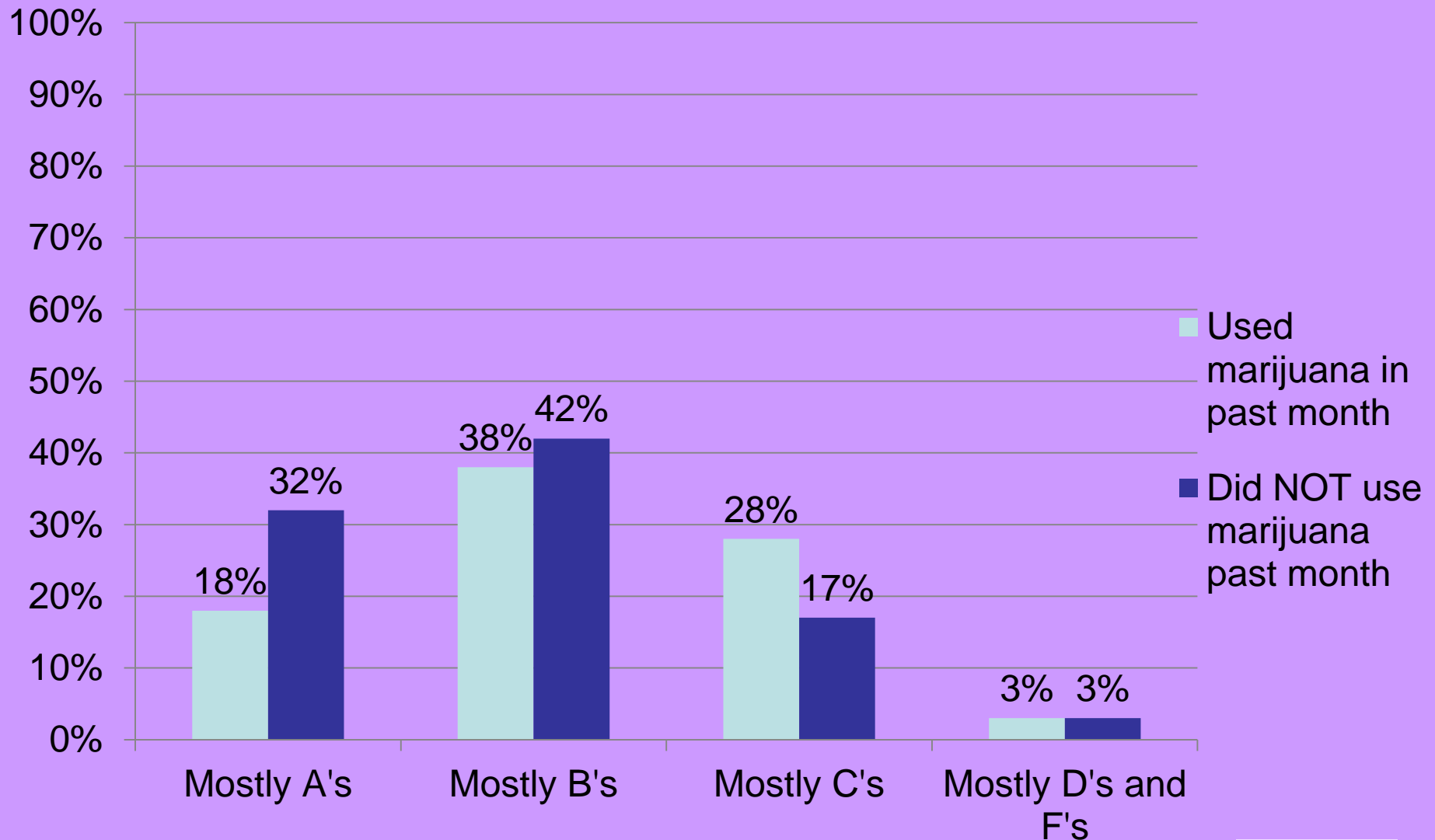
Alcohol Behavior for Delaware High School Students



Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies



Marijuana Use May Have an Impact on School Performance.



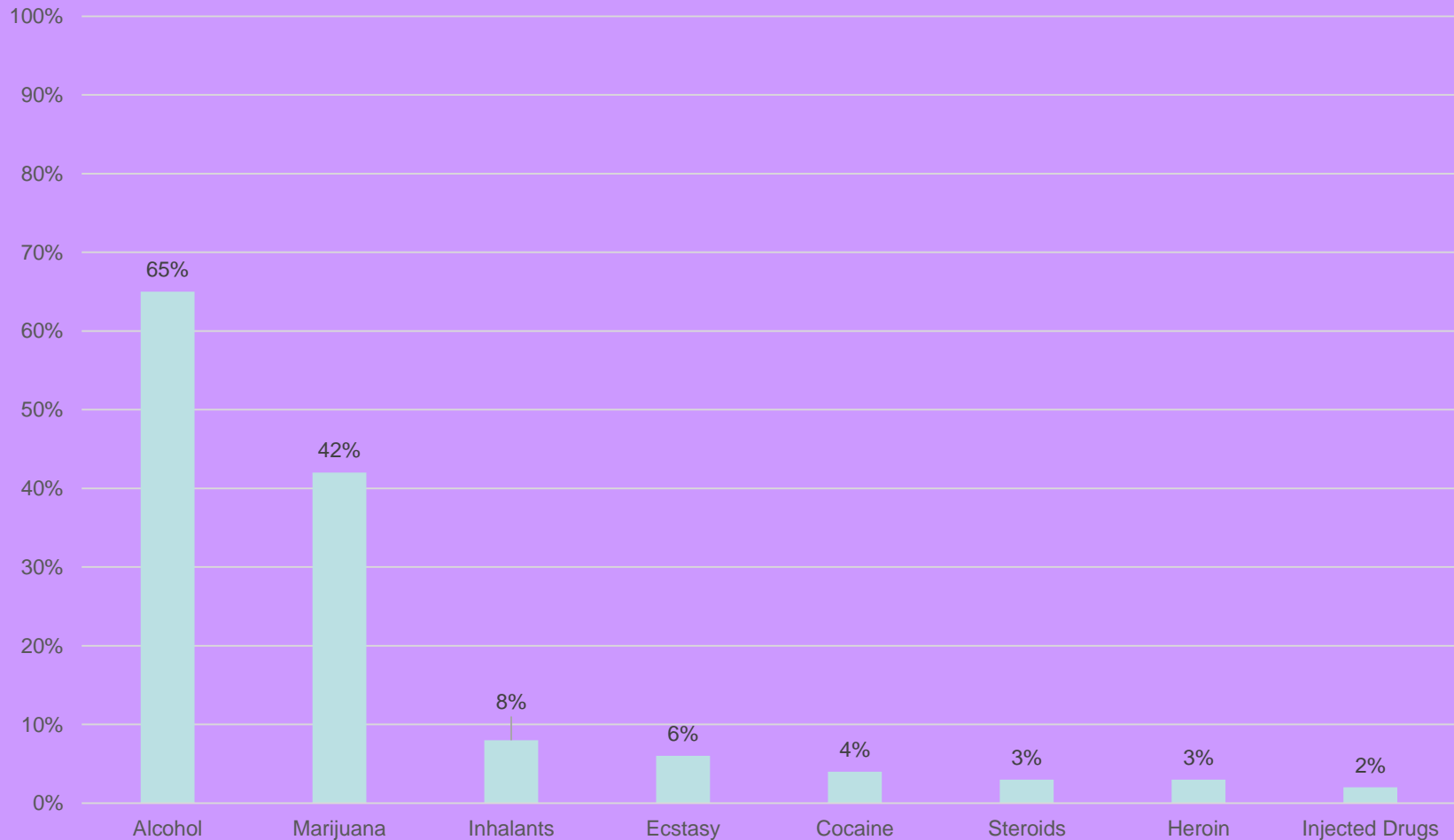
Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies



Of the 44 states participating in the CDC's 2011 Youth Risk Behavior Survey, Delaware ranked 3rd in the percentage of high school students who smoked marijuana in the past 30 days.



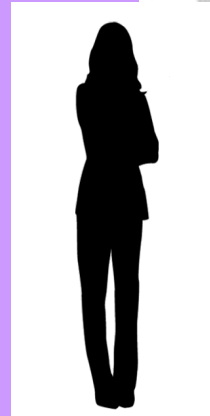
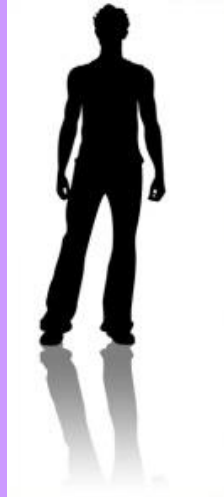
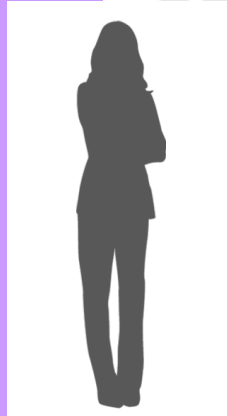
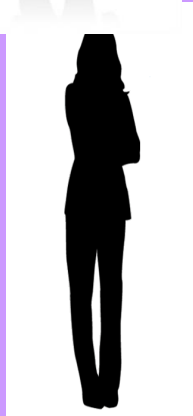
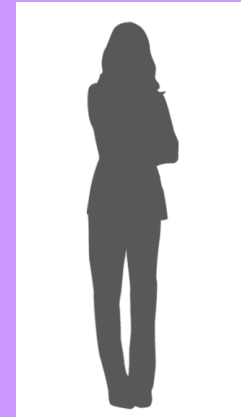
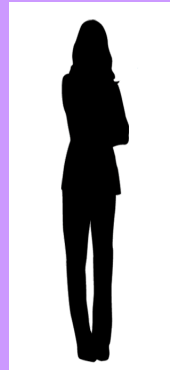
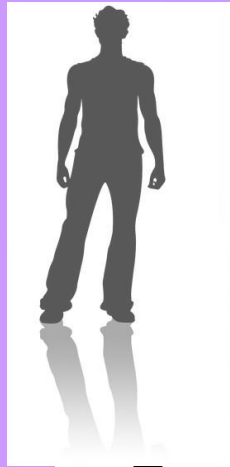
Lifetime Drug Use of Delaware High School Students



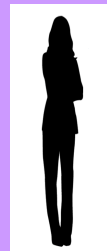
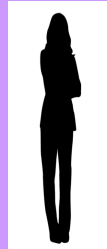
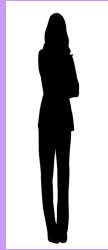
Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies



Almost one in four Delaware high school students (24%) have been in a physical fight one or more times in the past 12 months.



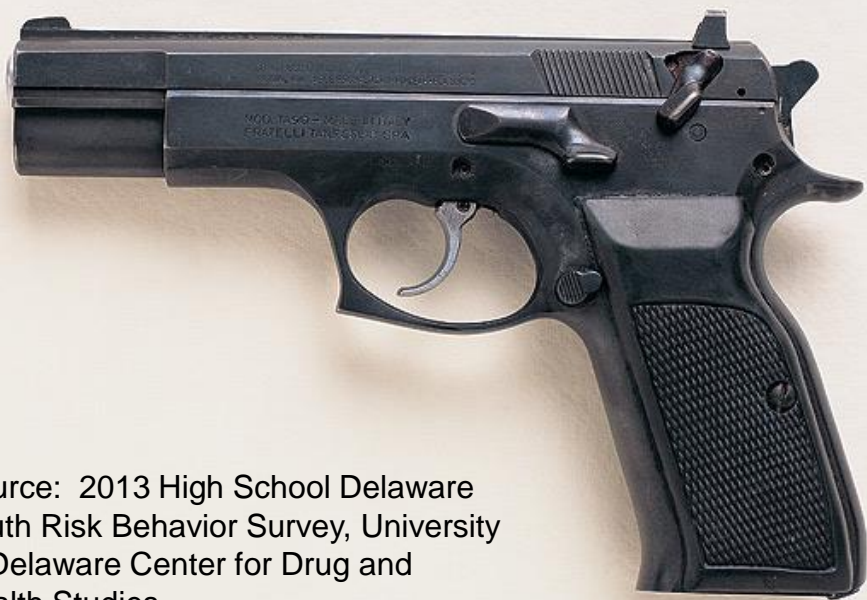
***Almost one in ten (8%) have been
physically forced to have sexual
intercourse when they did not want to.***



Almost one in ten (7%) of students say they attempted suicide one or more times in the past 12 months.

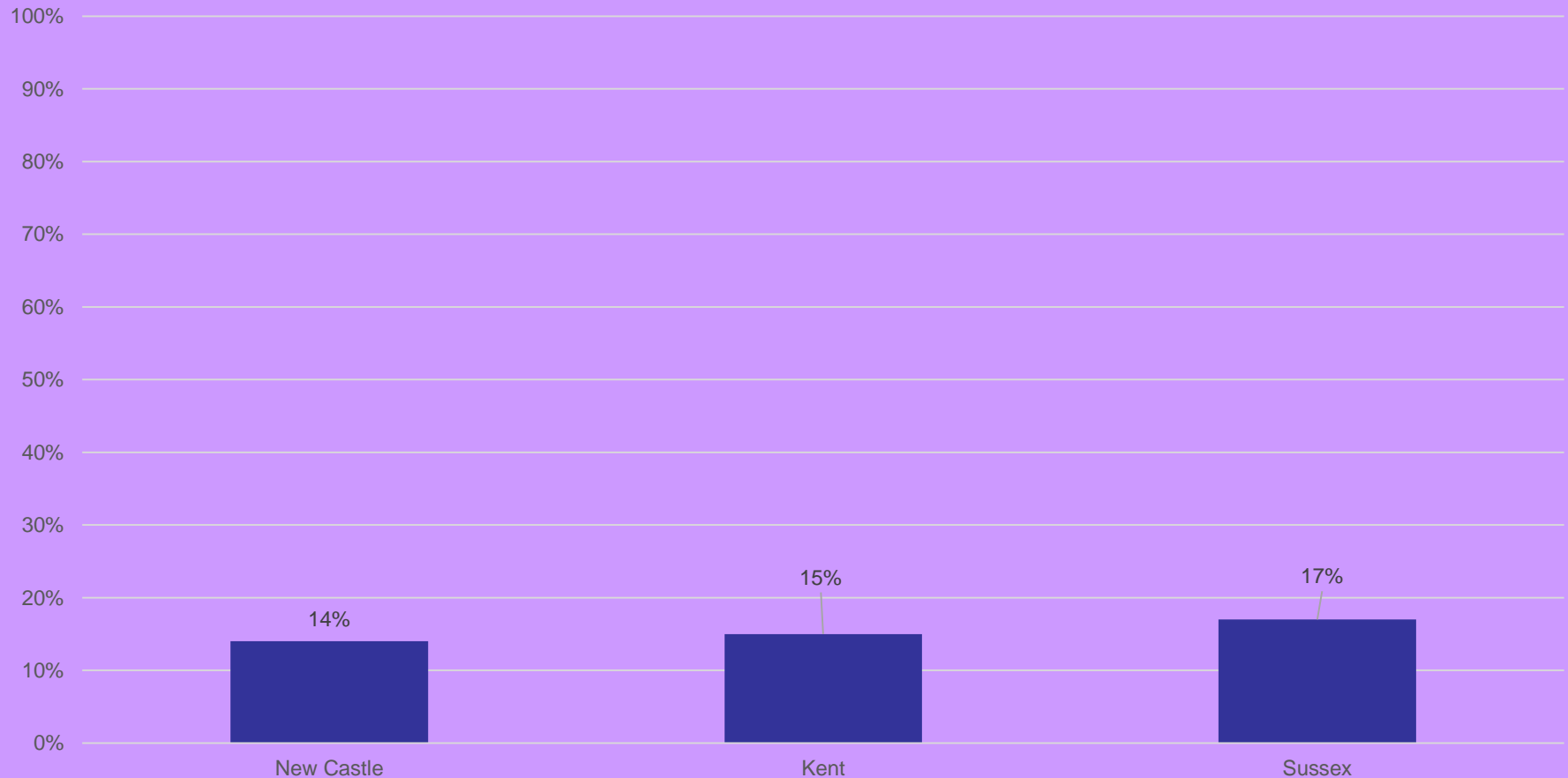


15% of Delaware high school students carried a weapon such as a gun, knife, or club on one or more of the past 30 days



Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies

Delaware High School Students who Carried a Weapon by Sub-State Planning Area

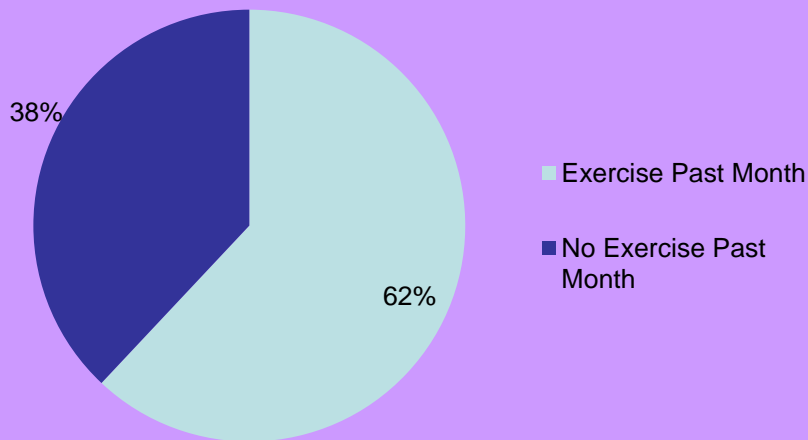


Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies

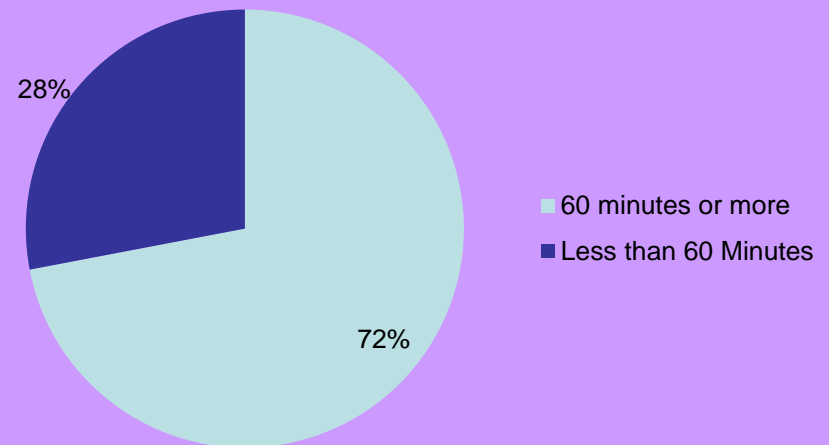


How Delaware High School Students Spend their Time

Exercise Past Month



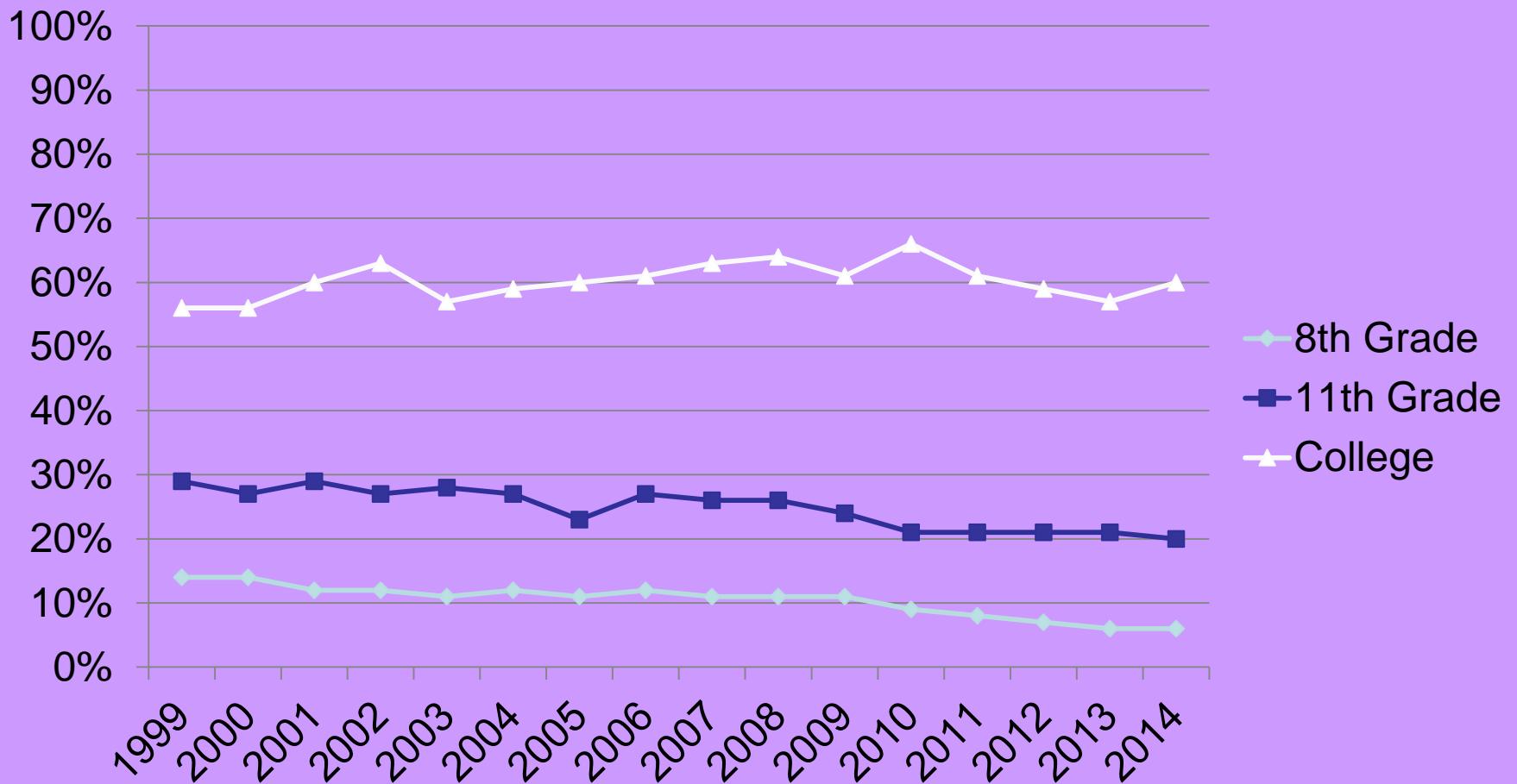
60 Minutes of Television



And then there's college



Binge Drinking, Delaware 8th Grade-College (percentages)



Source: 2014 Delaware School Survey and College Risk Behavior Survey, University of Delaware Center for Drug and Health Studies



Alcohol consumption in Delaware
was 54% higher per capita than
national consumption.



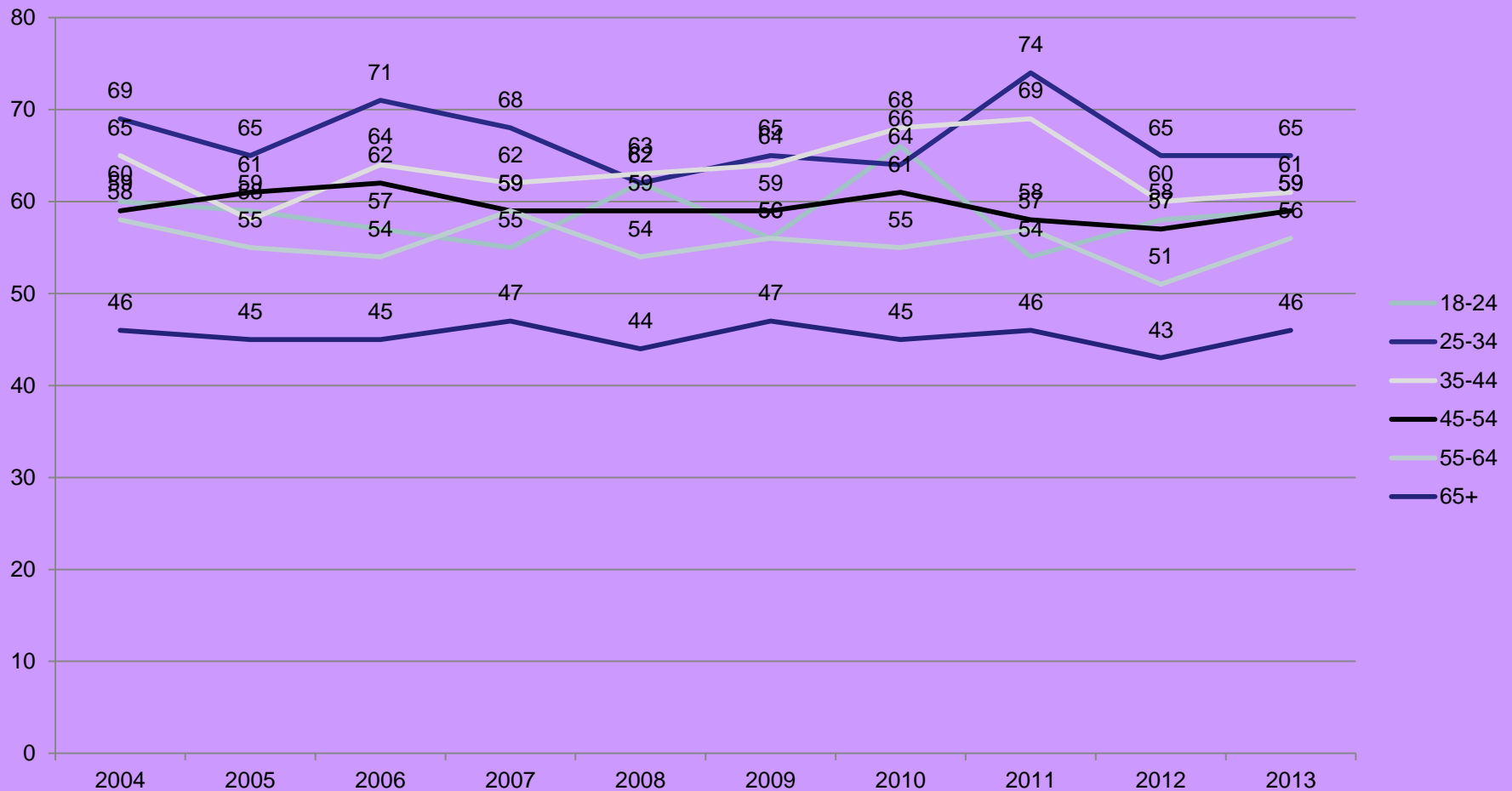
Adult Prevalence

- 18-25 year olds are highest for past month alcohol use—62% and binge drinking 41%
- 18-25 year olds are highest for past month marijuana use—21%
- 18-25 year olds are highest for other illicit drug use—8%
- 18-25 year olds are highest for non-medical pain reliever use—11%
- All of the above are higher than national norms

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2012 and 2013.



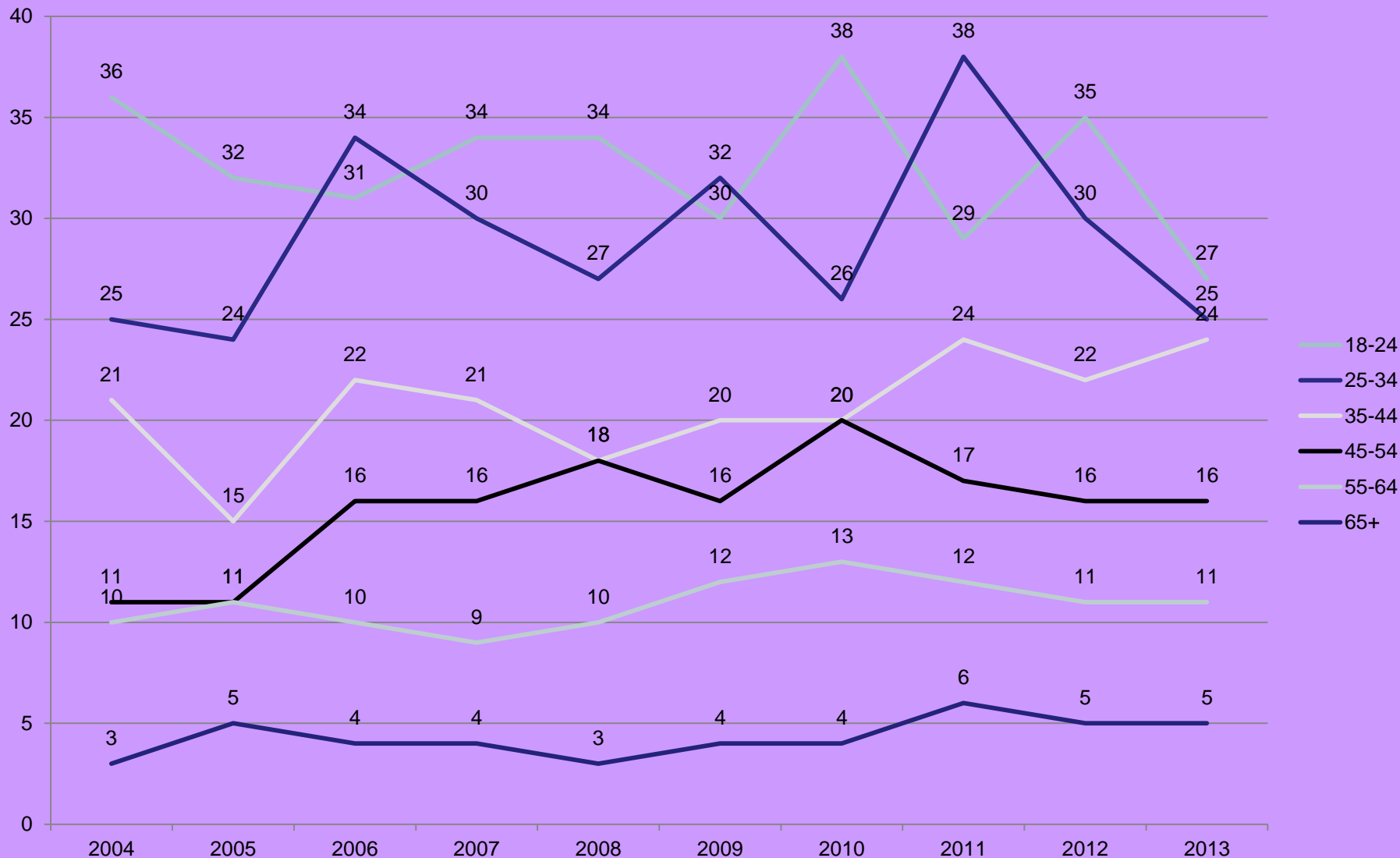
Past 30 Day Alcohol Use by Age Group: Delaware BRFSS 2004-2010



Source: CDC, Behavioral Risk Factor Surveillance System, 2004-2013.



Binge Drinking by Age Group, Delaware BRFSS



Source: CDC, Behavioral Risk Factor Surveillance System, 2004-2013.



Delaware is in the top quartile for drinking and binge drinking among women aged 18-44 (child bearing age). There is no data on the number of children born with Fetal Alcohol Spectrum Disorder.

Source: CDC, Behavioral Risk Factor Surveillance System, 2004-2013.



Delaware's alcohol-related robbery rate is estimated to be 16% higher than the national average.

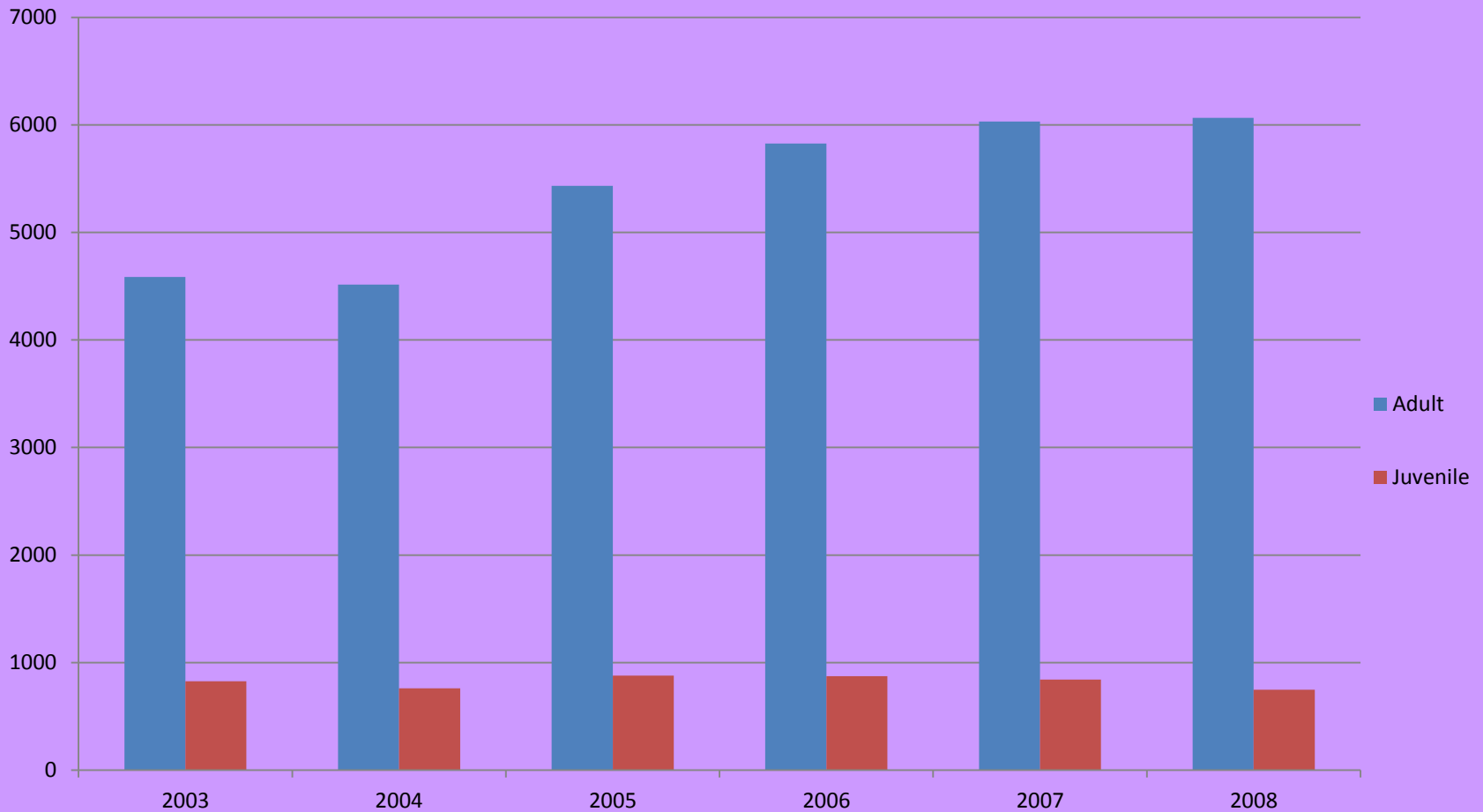
Alcohol positive fatal vehicle accidents (all ages) are 8% above the national average.



Health data

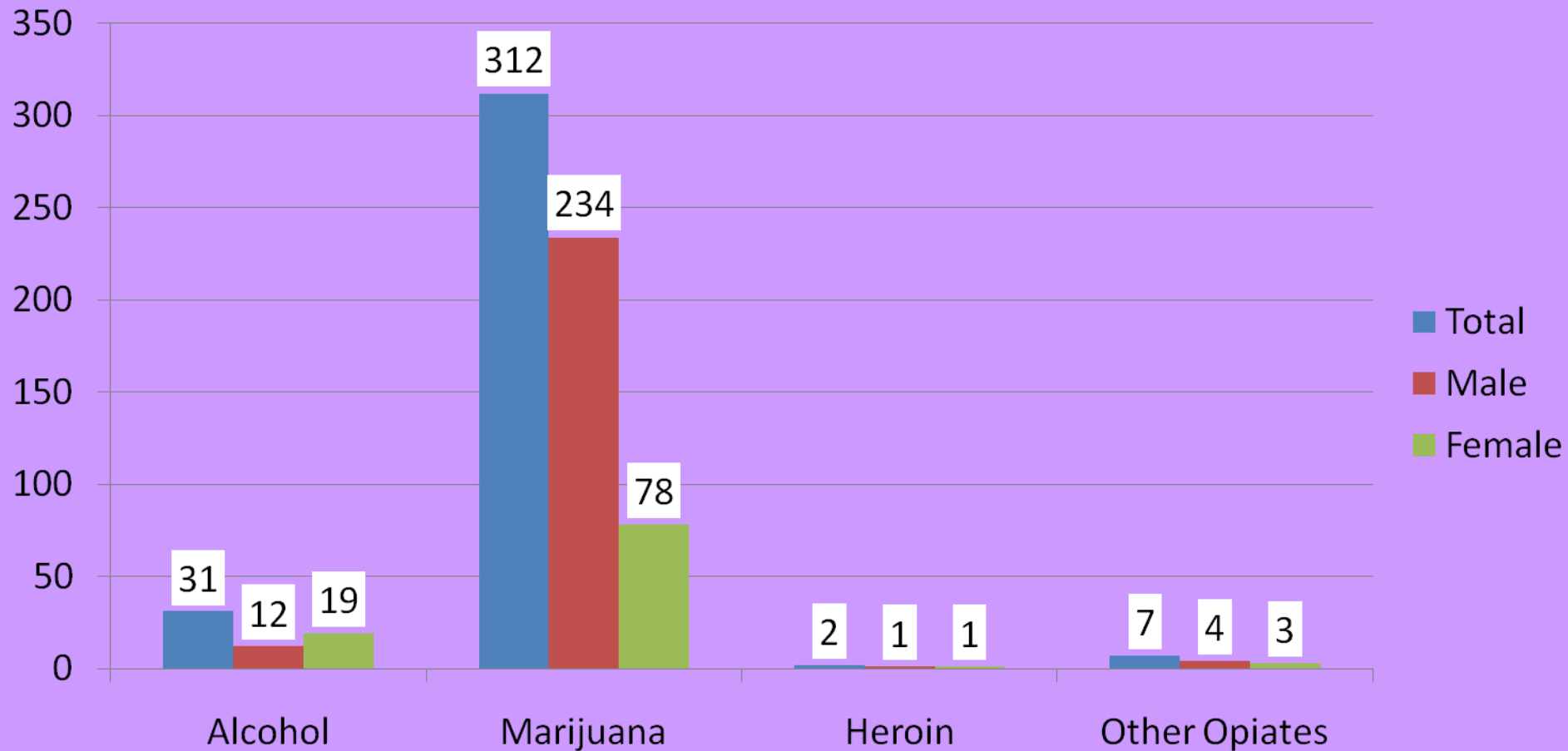
- Seventh in the nation in HIV-AIDS rates
- High levels of liver disease
- High rates of cancer and heart disease
- Youth who report alcohol or drug use on state surveys are much more likely to also report mental health problems, intentional and unintentional injuries as well as aggression

Adult and Juvenile Drug Arrests



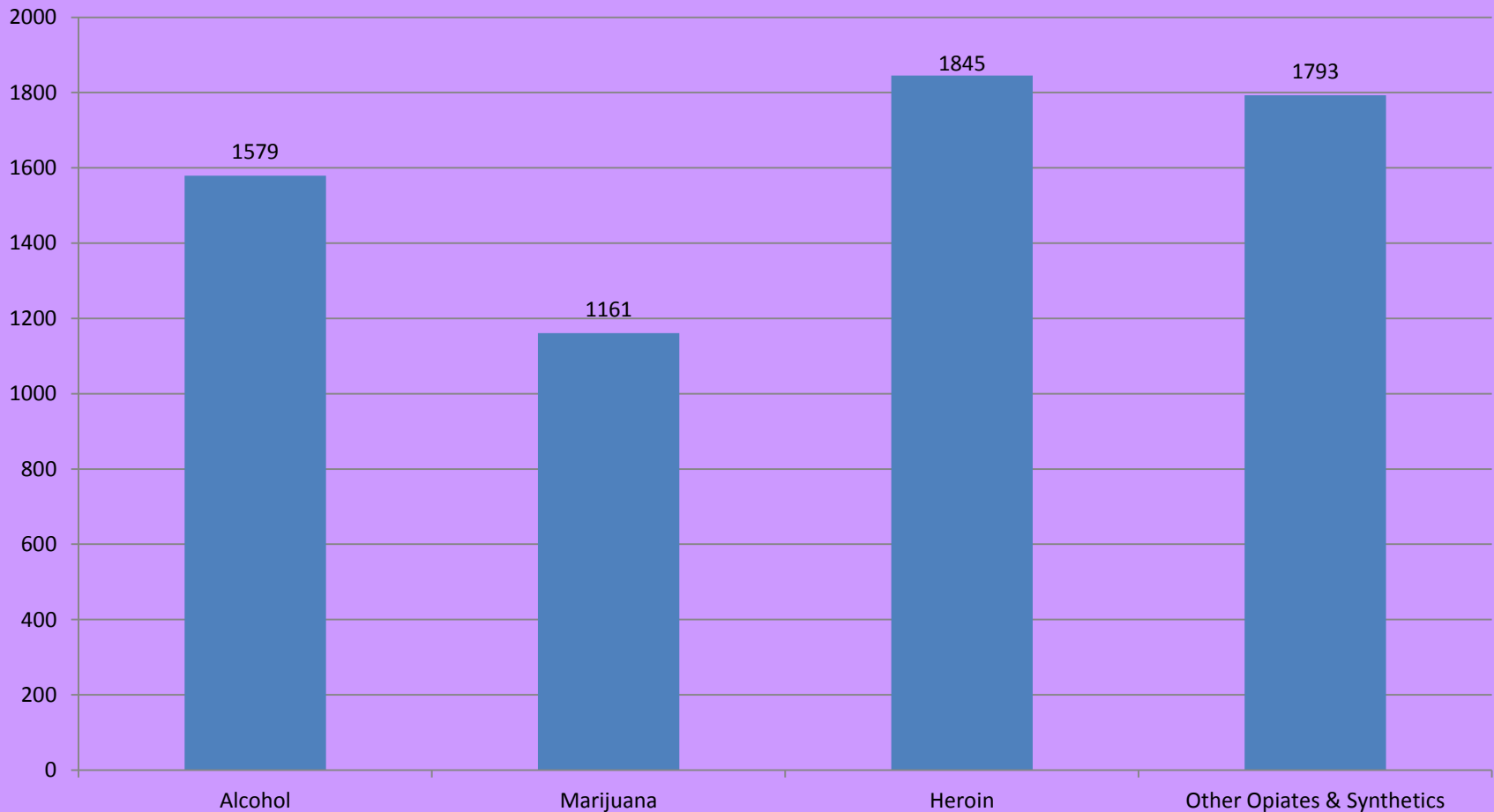
Juvenile Admissions to Treatment

(Unduplicated Client Count) 7/1/08-6/30/09

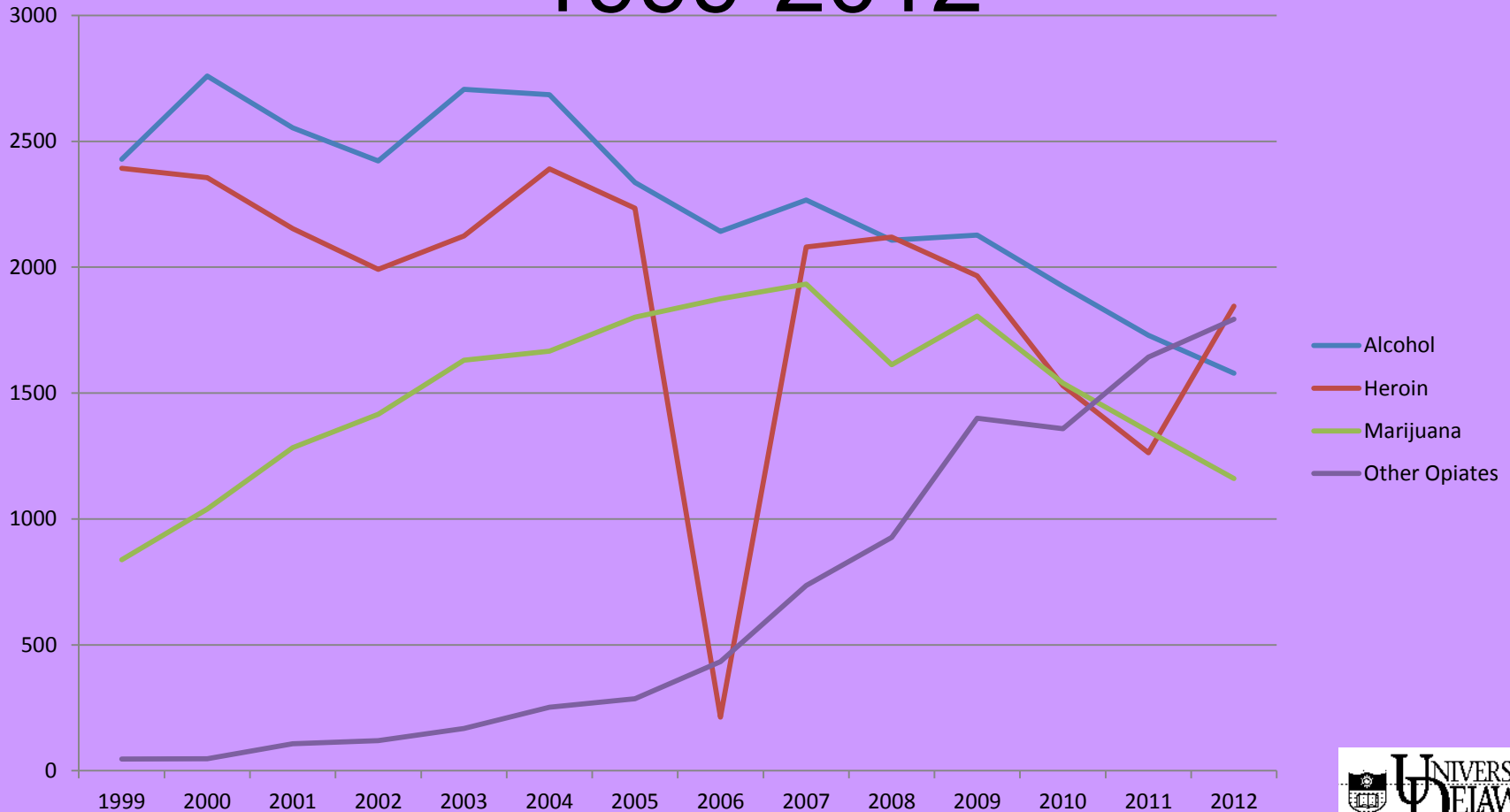


3 out of 4 Juvenile admissions to treatment were for marijuana use.

2012 Delaware Adult Admissions to Treatment Primary Drug Reported



Delaware Drug and Alcohol Treatment Admissions by Drug 1999-2012



**% Change:
Since 1999**

Alcohol: -35%
Marijuana: 39%

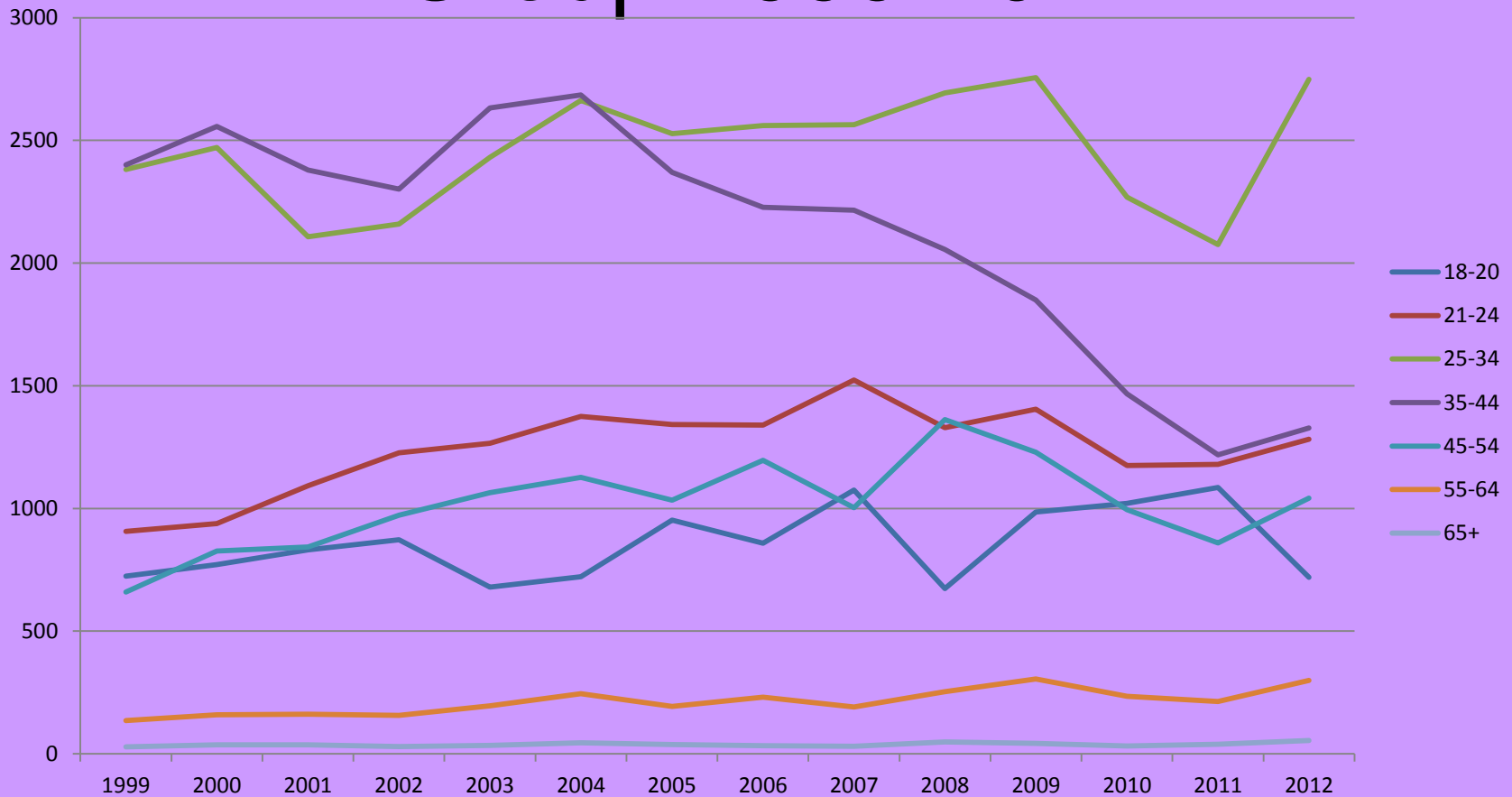
Heroin: -23%
Other Opiates: 3798%



From 1999 to 2012, adult admissions to treatment for men decreased by approximately 3% and increased approximately 19% for women



Delaware Drug and Alcohol Treatment Admissions by Age Group 1999-2012



Percent Change:

18-20: 0%

45-54: 58%

21-24: 41%

55-64: 120%

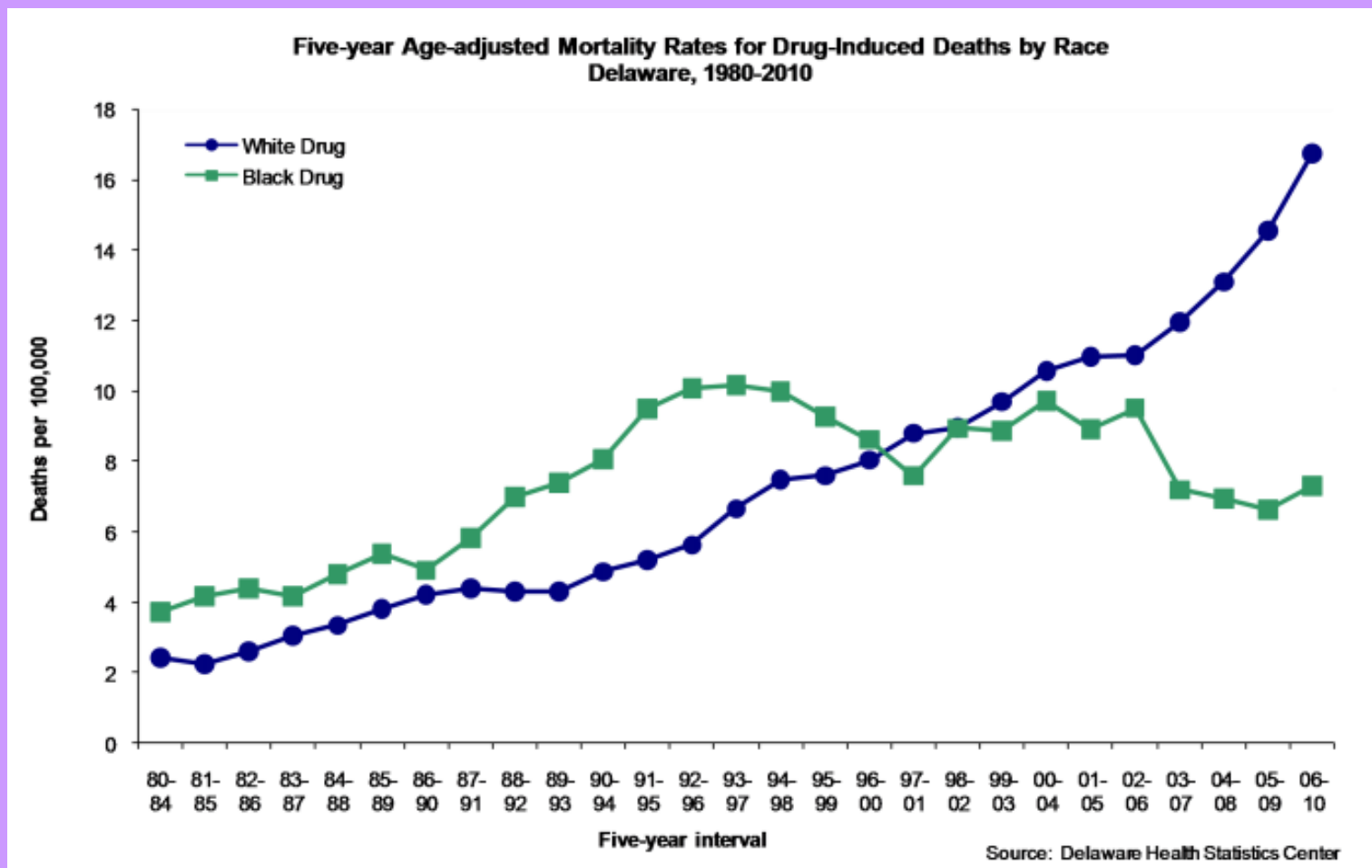
25-34: 15%

65+: 86%

35-44: -45%

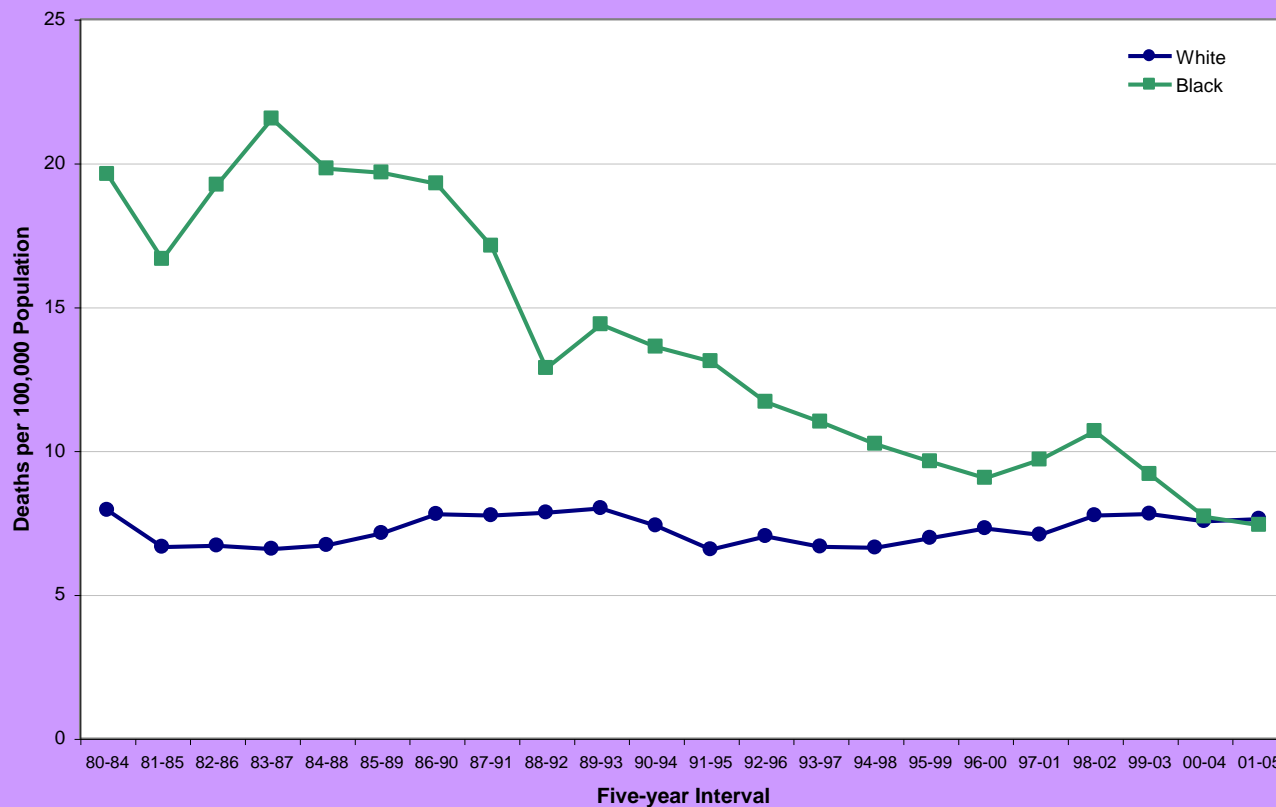


Drug-induced Deaths – Rates



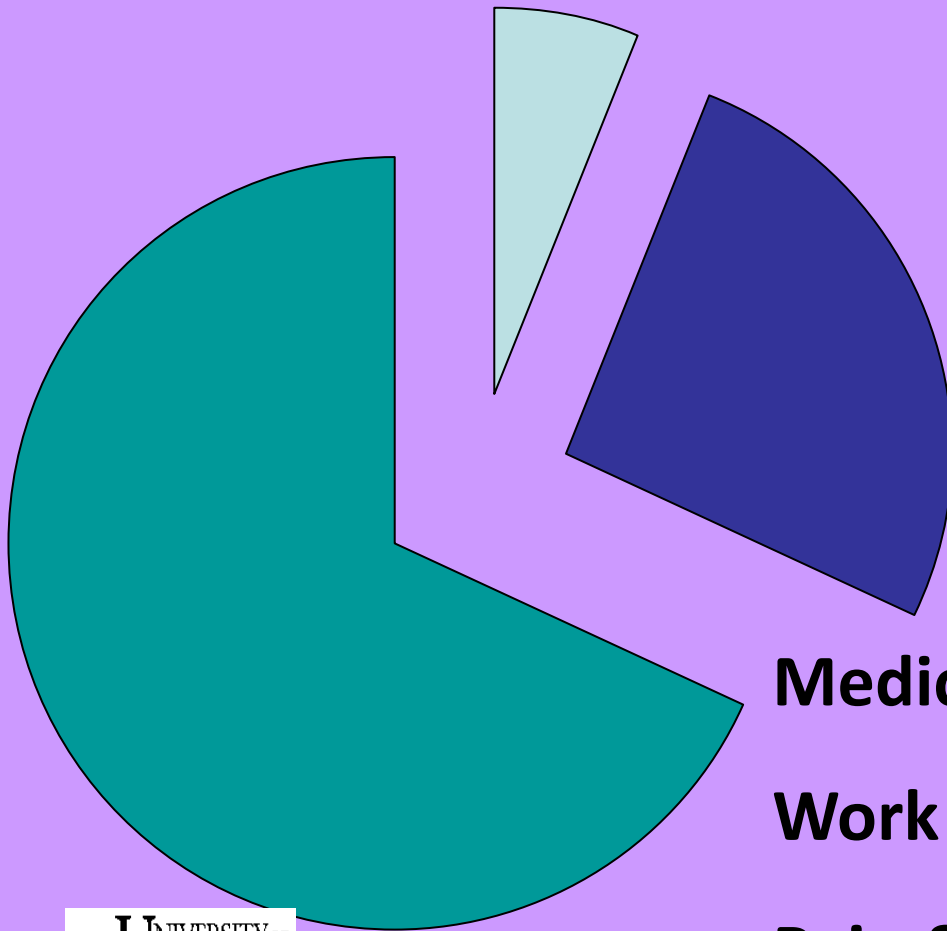
Alcohol-induced Deaths – Rates

Five-year Age-adjusted Mortality Rates for Alcohol-Induced Deaths by Race
Delaware, 1980-2005



Source: Delaware Health Statistics Center

Costs of Underage Drinking in Delaware = \$172 Million Annually



Medical = \$10,000,000

Work Lost = \$44,000,000

Pain & Suffering=\$118,000,000



Delaware's Bottom Line:

- Costs of underage drinking = \$172,000,000
- Industry profits on underage
(from total sales of \$51,000,000)=25,000,000
- Funds for combatting = 11,000,000

Total Loss = \$136,000,000

Who gets the profit?
Who pays the remainder?



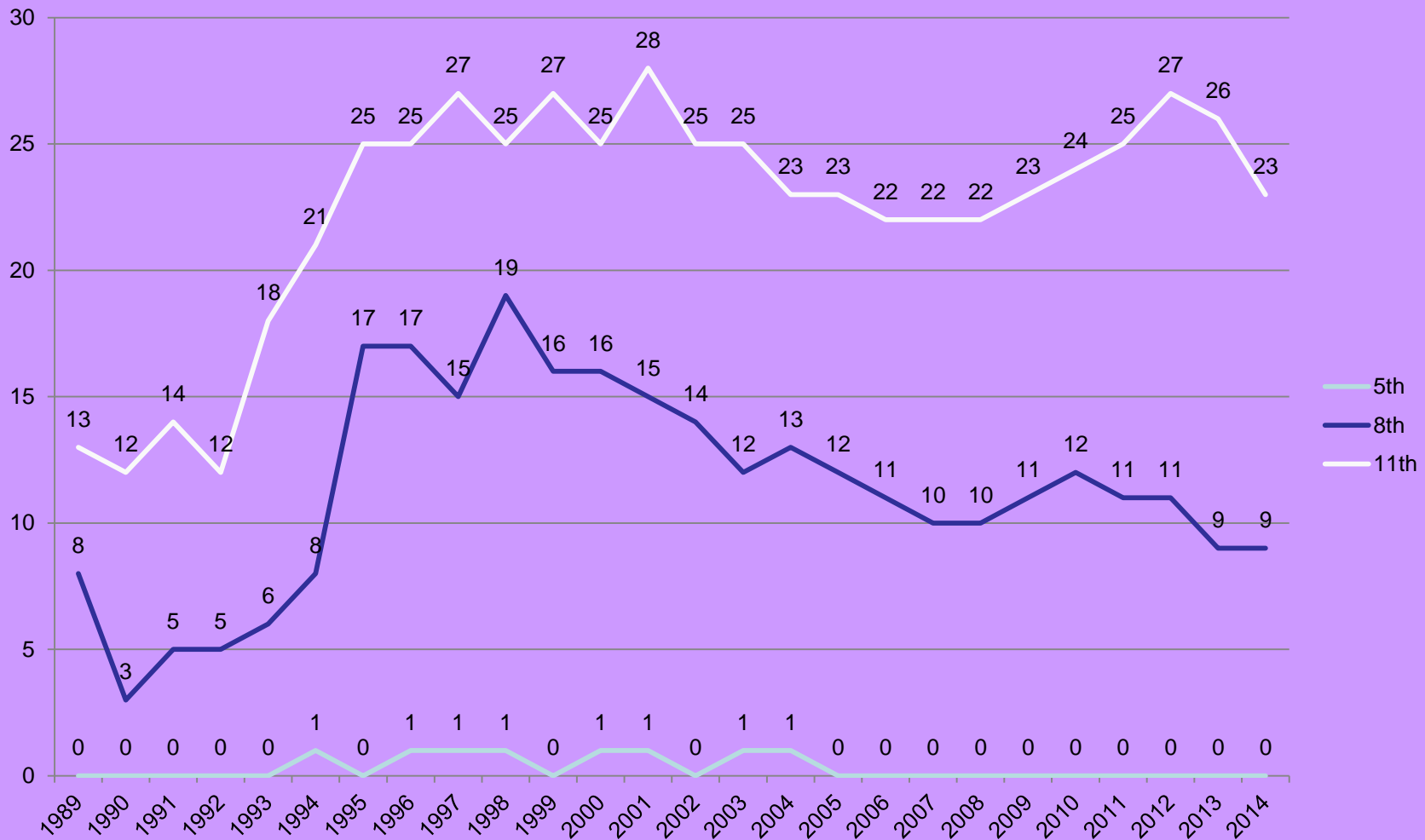
Costs are shared in:

- **Health Insurance**
- **Car Insurance**
- **Property Insurance**
- **State Taxes**
- **Municipal Taxes**

**Federal Taxes on Alcohol,
when adjusted for inflation,
have declined 33% since 1992
(beer tax is 63% lower than
1970 rates):**

- Federal beer and wine taxes are currently 7-10 cents per drink**
- Federal liquor tax is currently 20-25 cents per drink**

Trends in Delaware Students' Marijuana Use by Grade Self-Reported Regular Use*, 1989-2014



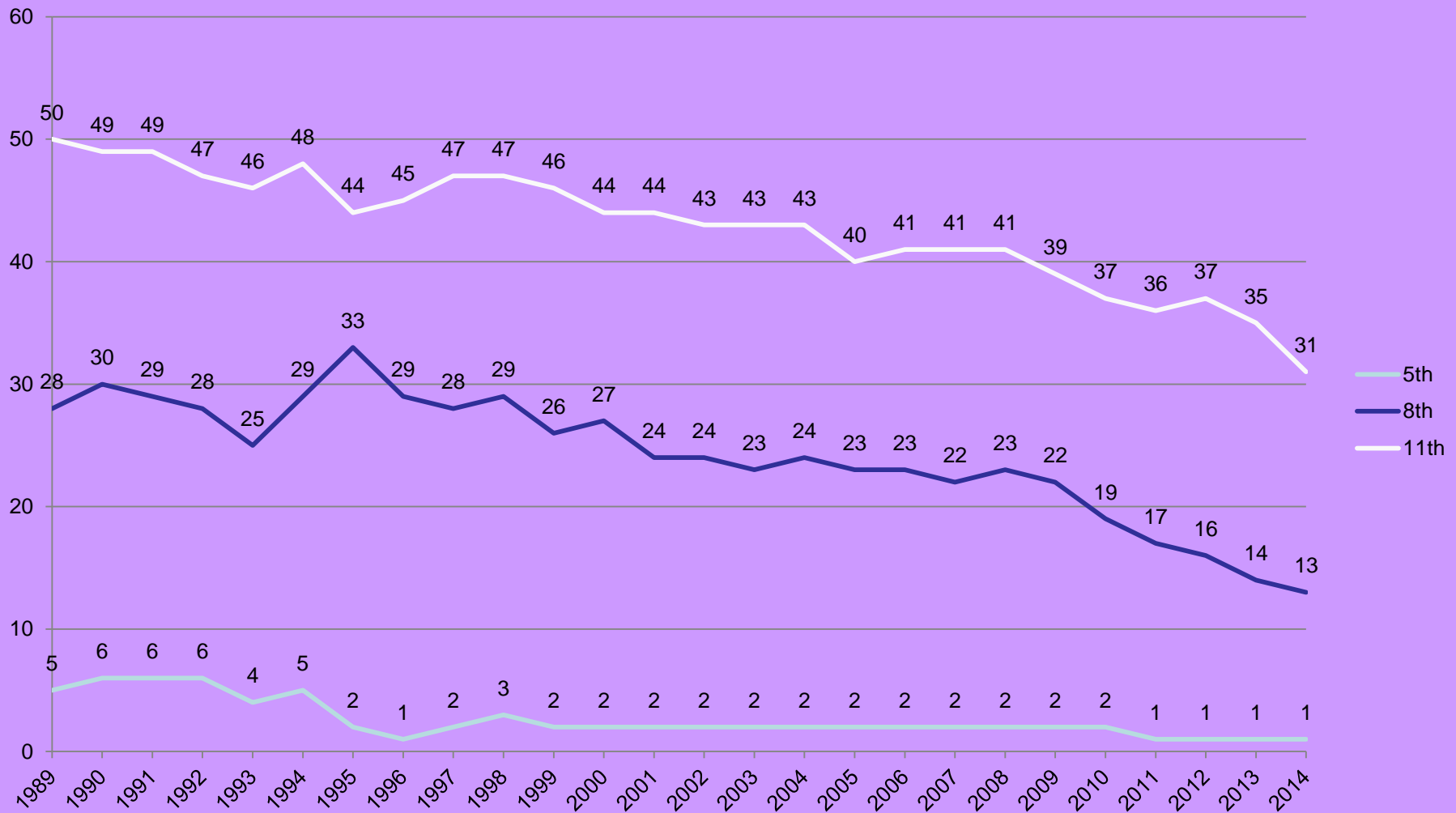
Note: *Regular use is defined as reports of about once a month or more often; see note, page 20.

Source: Data Base/DiagnosticsPlus (1989-1993); Department of Public Instruction, 1994; 1995-2014 Delaware School Survey, Center for Drug and Alcohol Studies, University of Delaware.



Trends in Delaware Students' Alcohol Use by Grade

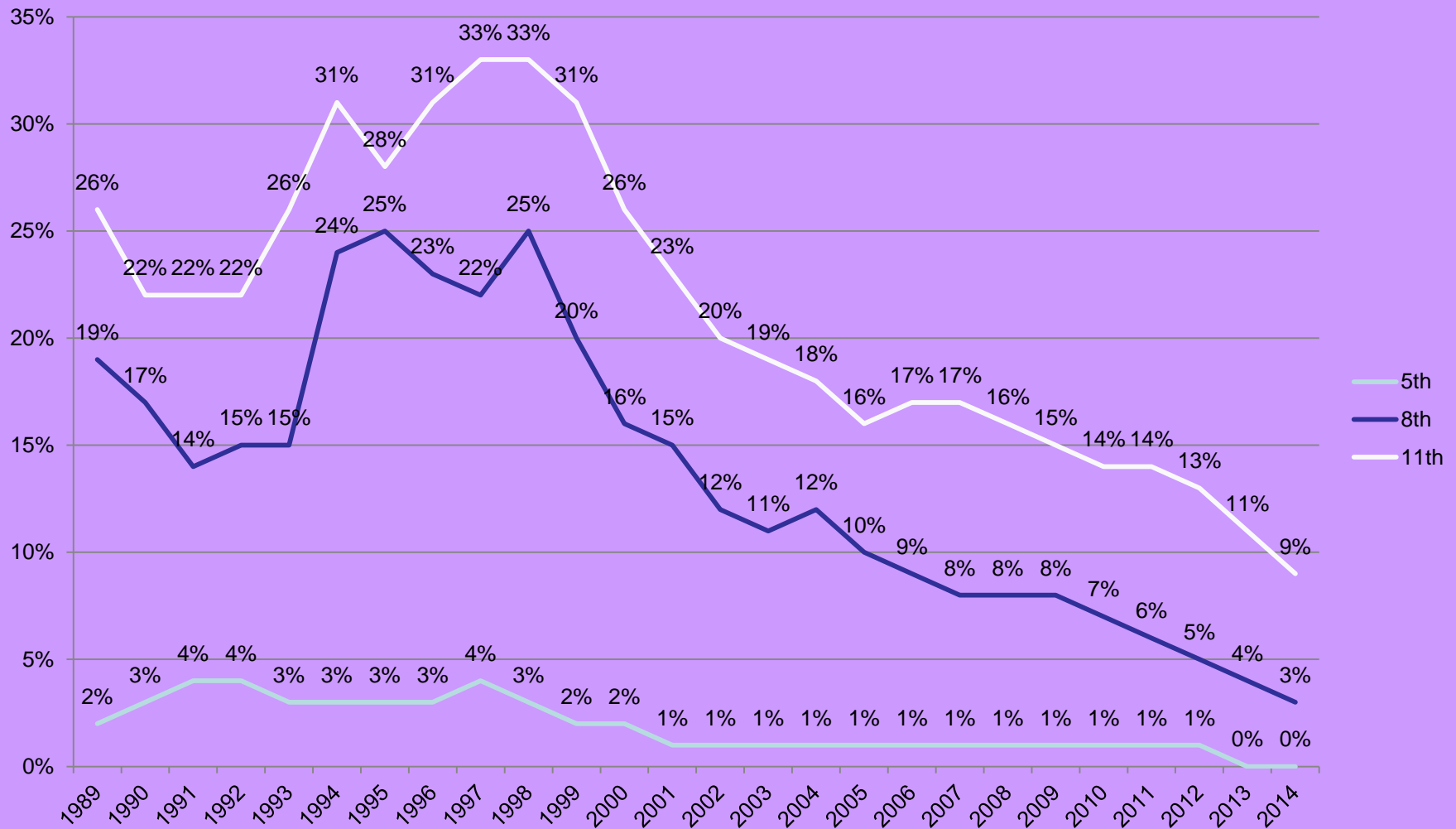
Self-Reported Regular Use*, 1989-2014



Note: *Regular use is defined as reports of about once a month or more often; see note, page 18a
 Source: Data Base/ DiagnosticsPlus (1989 - 1993); Department of Public Instruction, 1994;
 University of Delaware Surveys, 1995-20014.



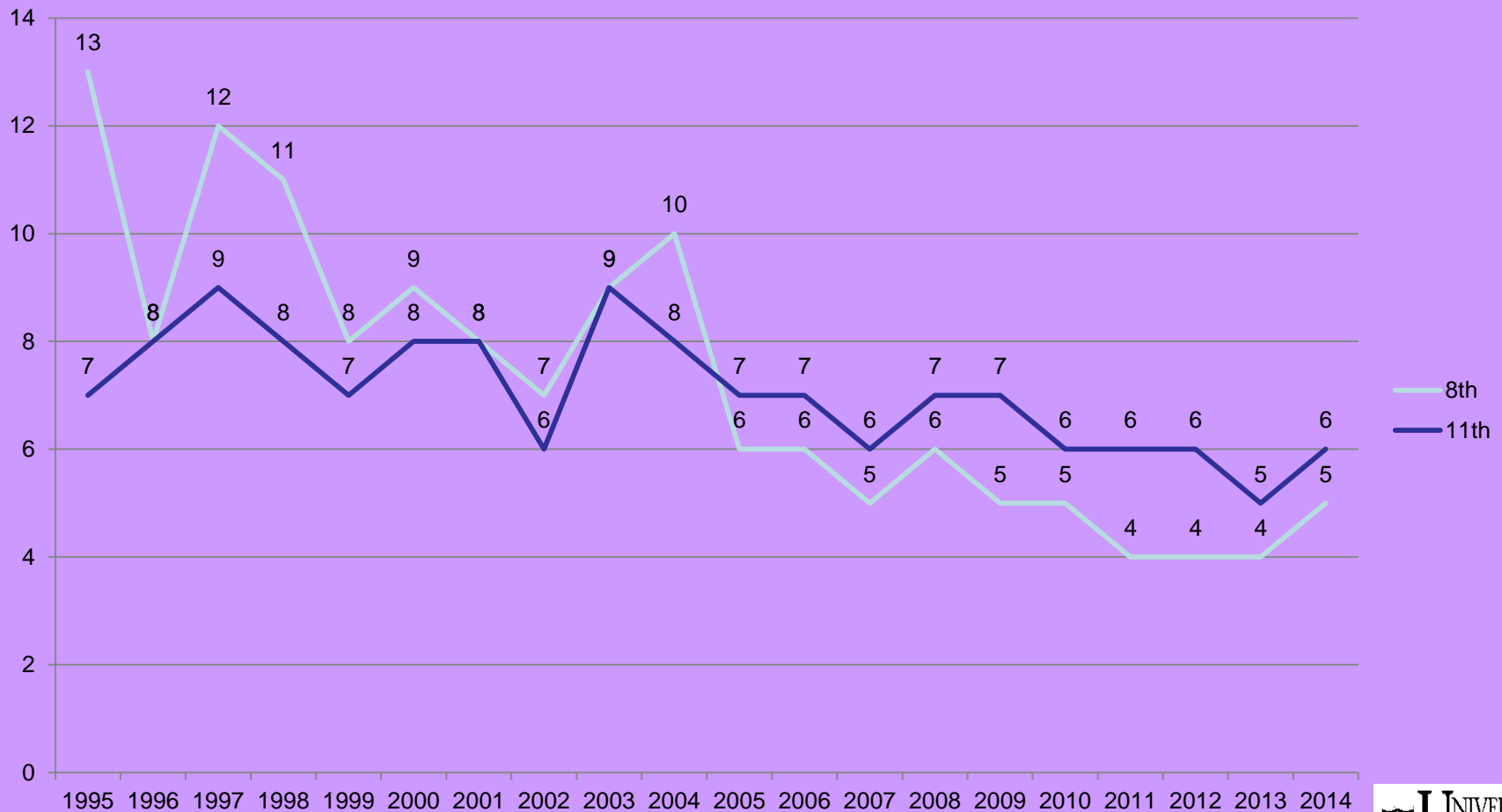
TRENDS IN DELAWARE STUDENTS' CIGARETTE USE BY GRADE **SELF-REPORTED REGULAR USE*, 1989-2013**



Source: Data Base/ DiagnosticsPlus (1989 - 1993); Department of Public Instruction 1994; University of Delaware Surveys 1995-2014.



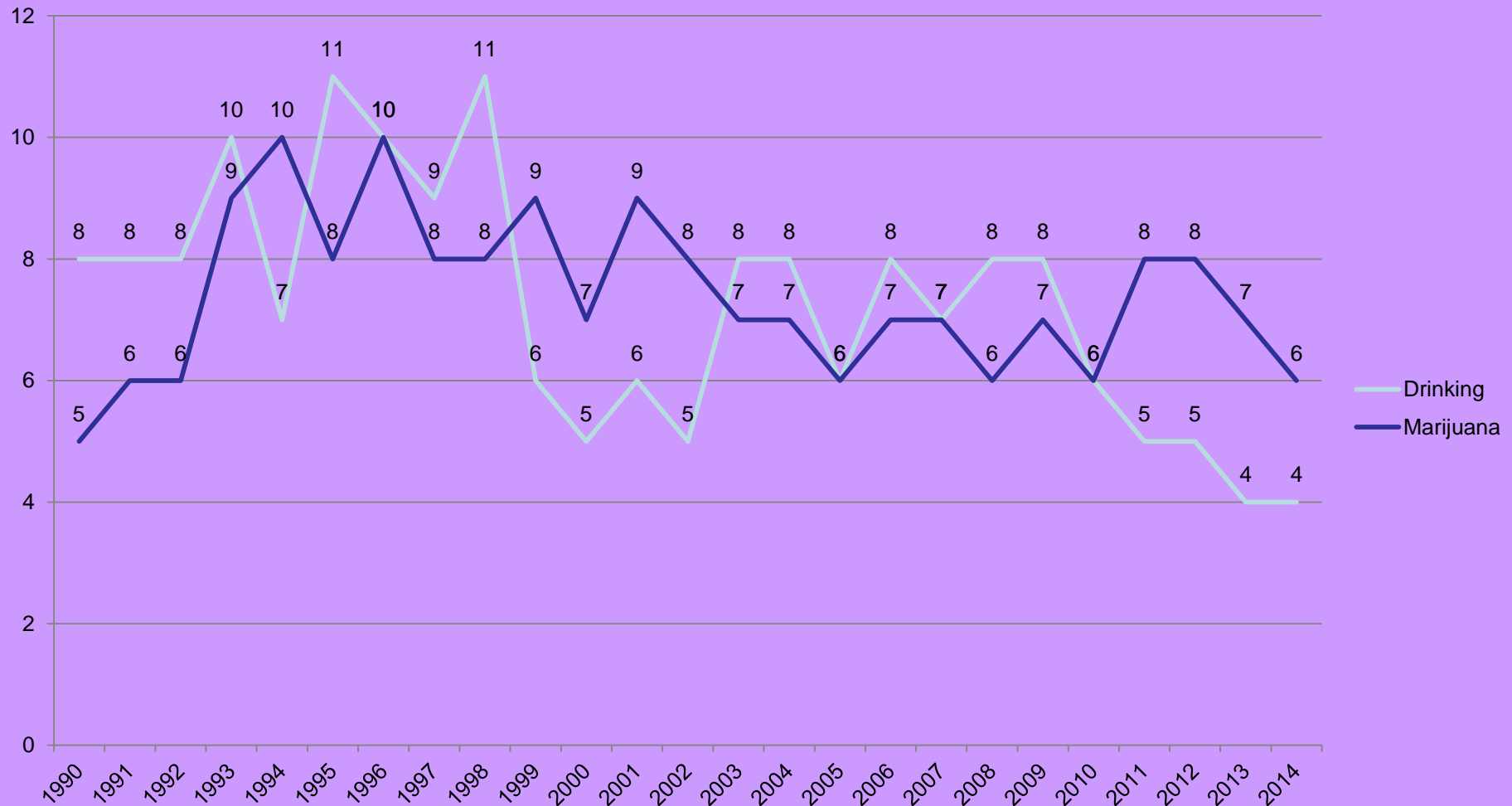
TRENDS IN DELAWARE PERCENTAGE OF ELEVENTH AND EIGHTH GRADERS' REPORTS OF PAST MONTH USE OF OTHER ILLEGAL DRUGS, 1995-2013



“Other Illegal Drugs” includes prescription downers, prescription uppers, inhalants, hallucinogens, ritalin (to get high), pain killers, designer drugs, heroin and cocaine.

Source: Data Base/ DiagnosticsPlus (1989 - 1993); Department of Public Instruction, 1994; University of Delaware Surveys, 1995-20014.

Trends in Delaware Eleventh Graders' Reports of Past Month Drinking and Driving and Reporting of Smoking Marijuana and Driving, 1990-2014



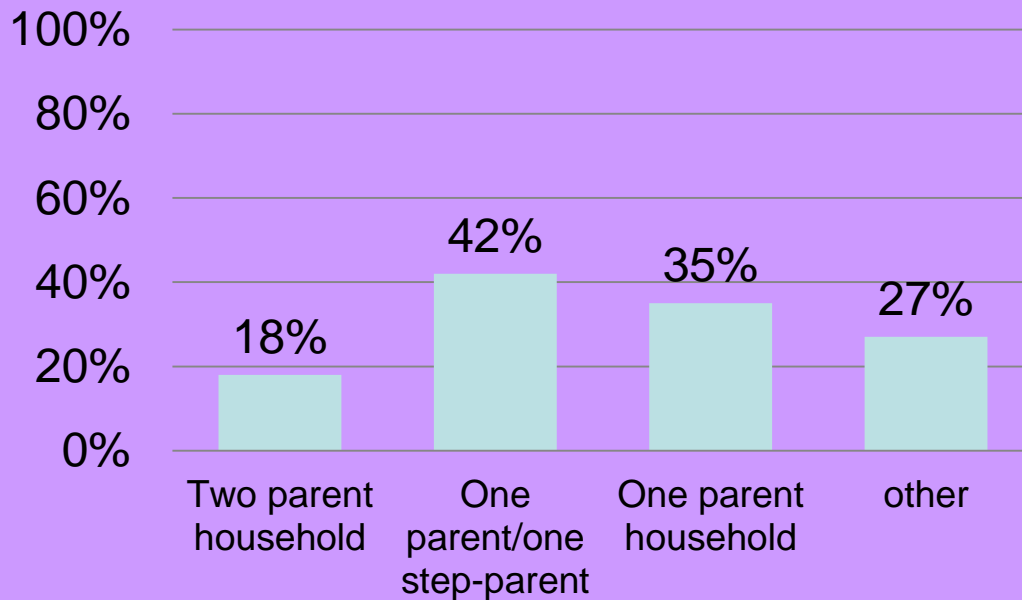
Source: Data Base/ DiagnosticsPlus (1990-1993); Department of Public Instruction 1994; University of Delaware Surveys 1995-2014.





About one in four 5th graders has moved 3 or more times since starting Kindergarten. This is twice as likely in one-parent households.

Percent Who Moved 3+ Times Since Kindergarten



Most 5th graders feel safe in their neighborhood (86%). Most spend the after-school hours somewhere where there is an adult (83%). Those who don't are 50% more likely to have tried alcohol.



Almost all 5th
graders (92%)
feel safe at
school.

Source: 2014 Delaware School Survey, University of Delaware Center for Drug and Health Studies

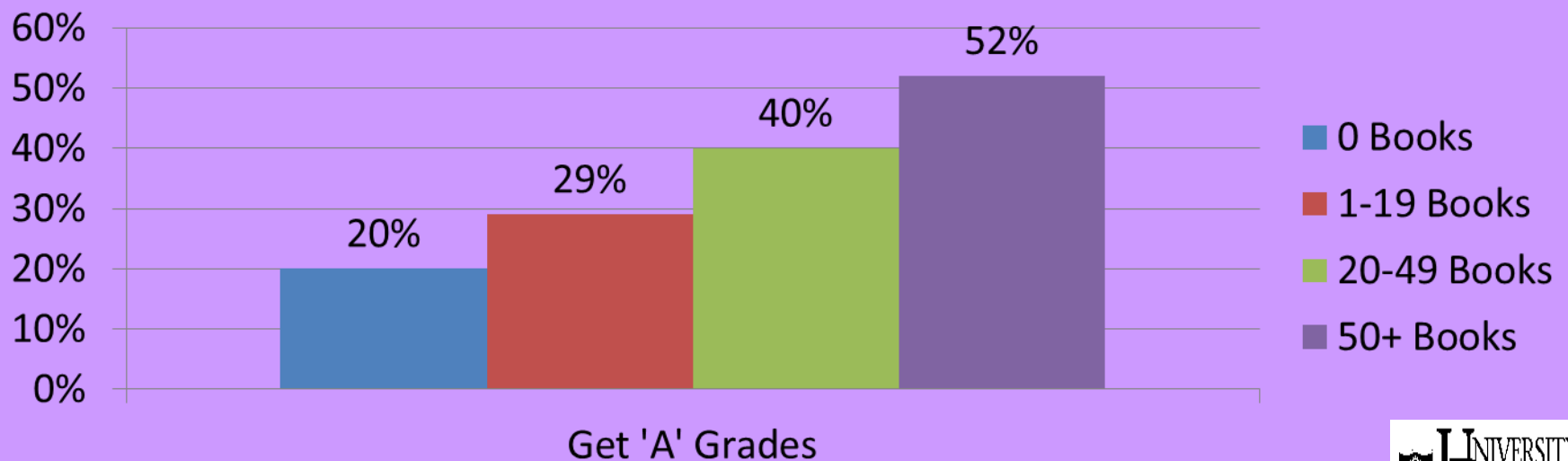


At home, students spend their time:

- Online/watching TV/playing video games
 - 26% spend ½ hour or less; 41% spend two hours or more
- Doing school work
 - 51% spend ½ hour or less; 12% spend two hours or more
- Physically playing or exercising
 - 14% spend ½ hour or less; 56% spend two hours or more



The number of books in a student's household also is associated with school performance and behavior—22% report having 20 or fewer books at home, while 55% have 50 or more.

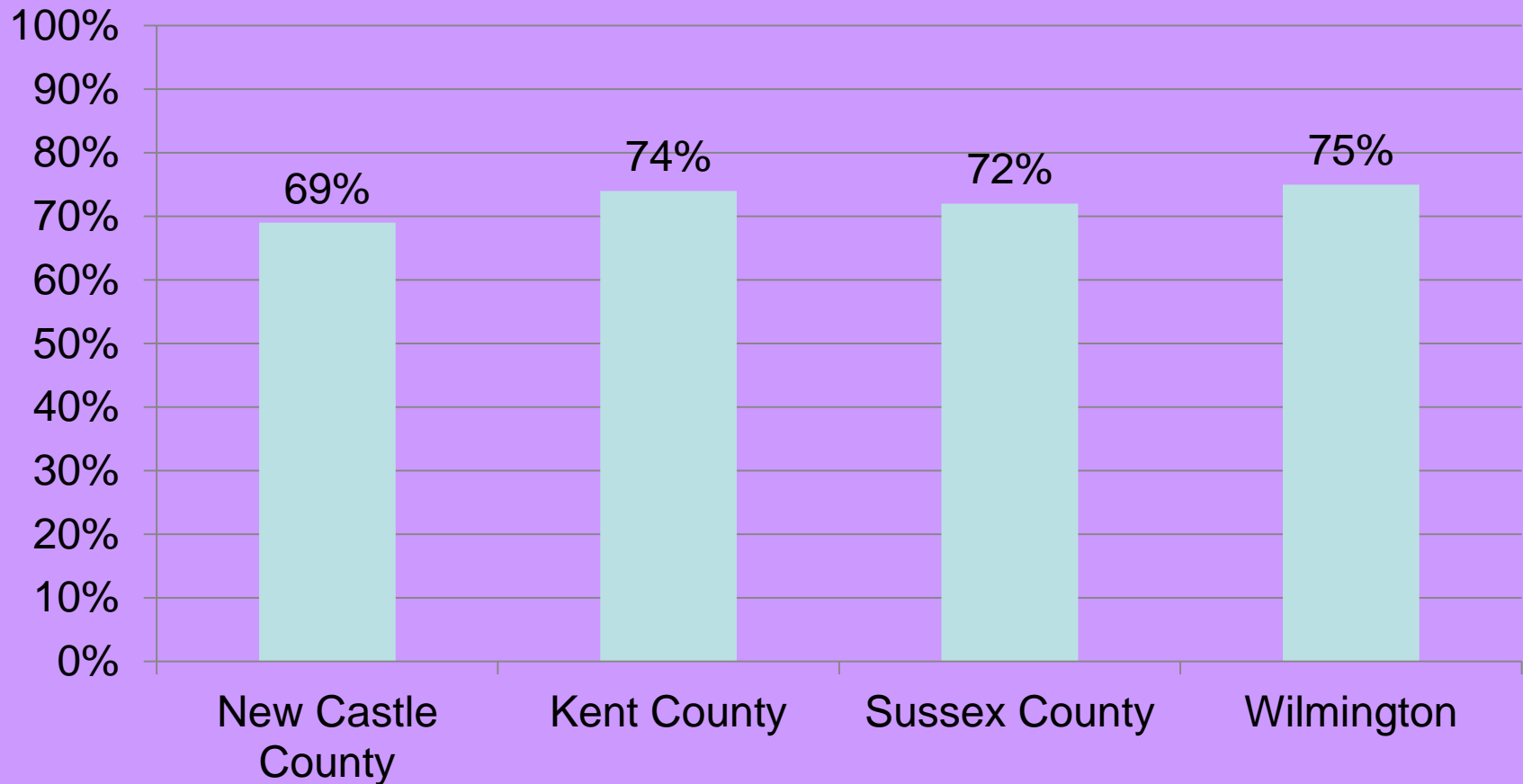


Parents usually know where their 5th graders are (95%), although some lie to their parents about where they are (13%), and these students are **300% more likely** to report having experimented with alcohol, having stolen something, or having destroyed someone else's property.

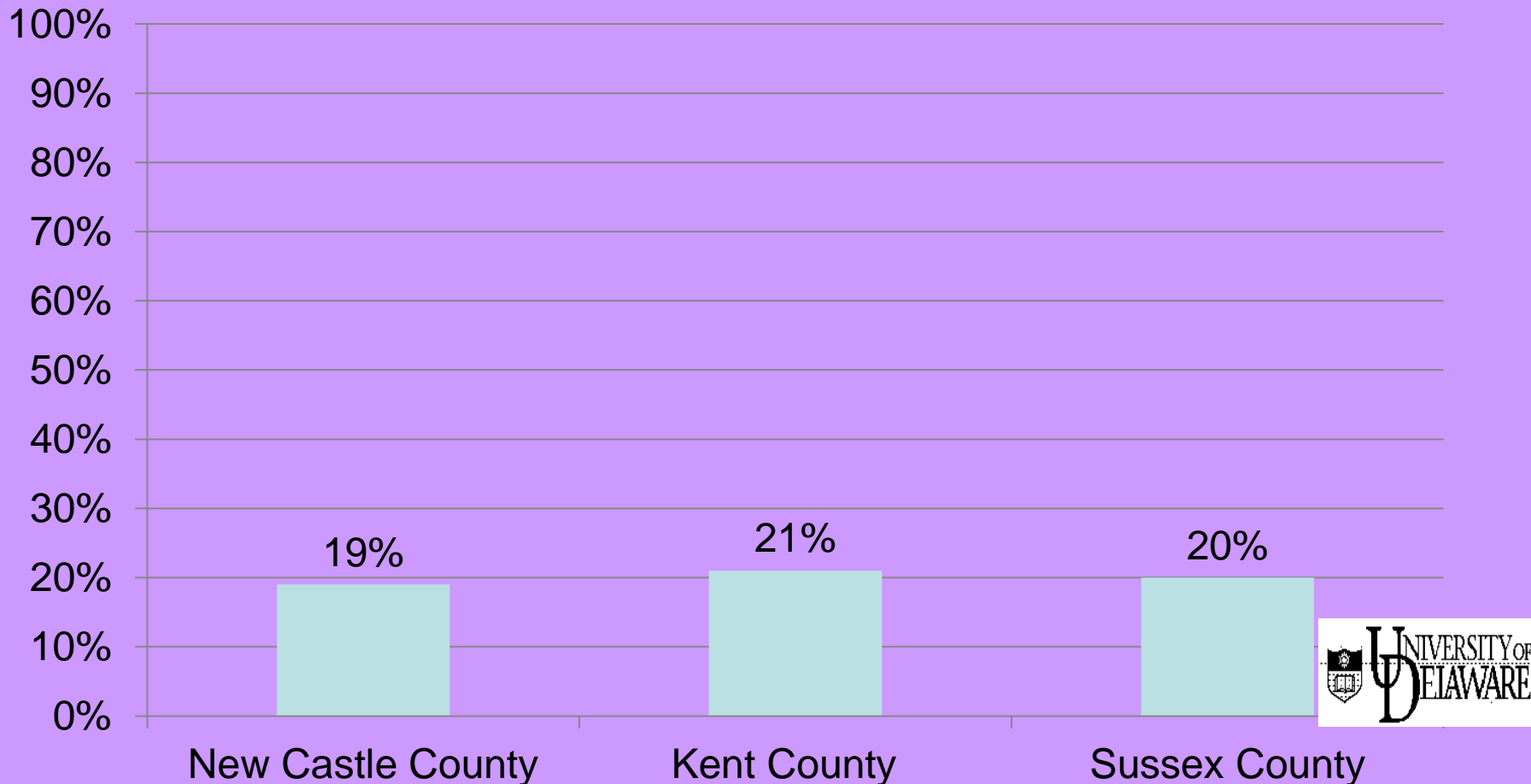
More than two out of three Delaware 5th graders (71%) say parents told them not to use alcohol. These students are less likely to have tried alcohol.



Parents talked about the risks of using alcohol

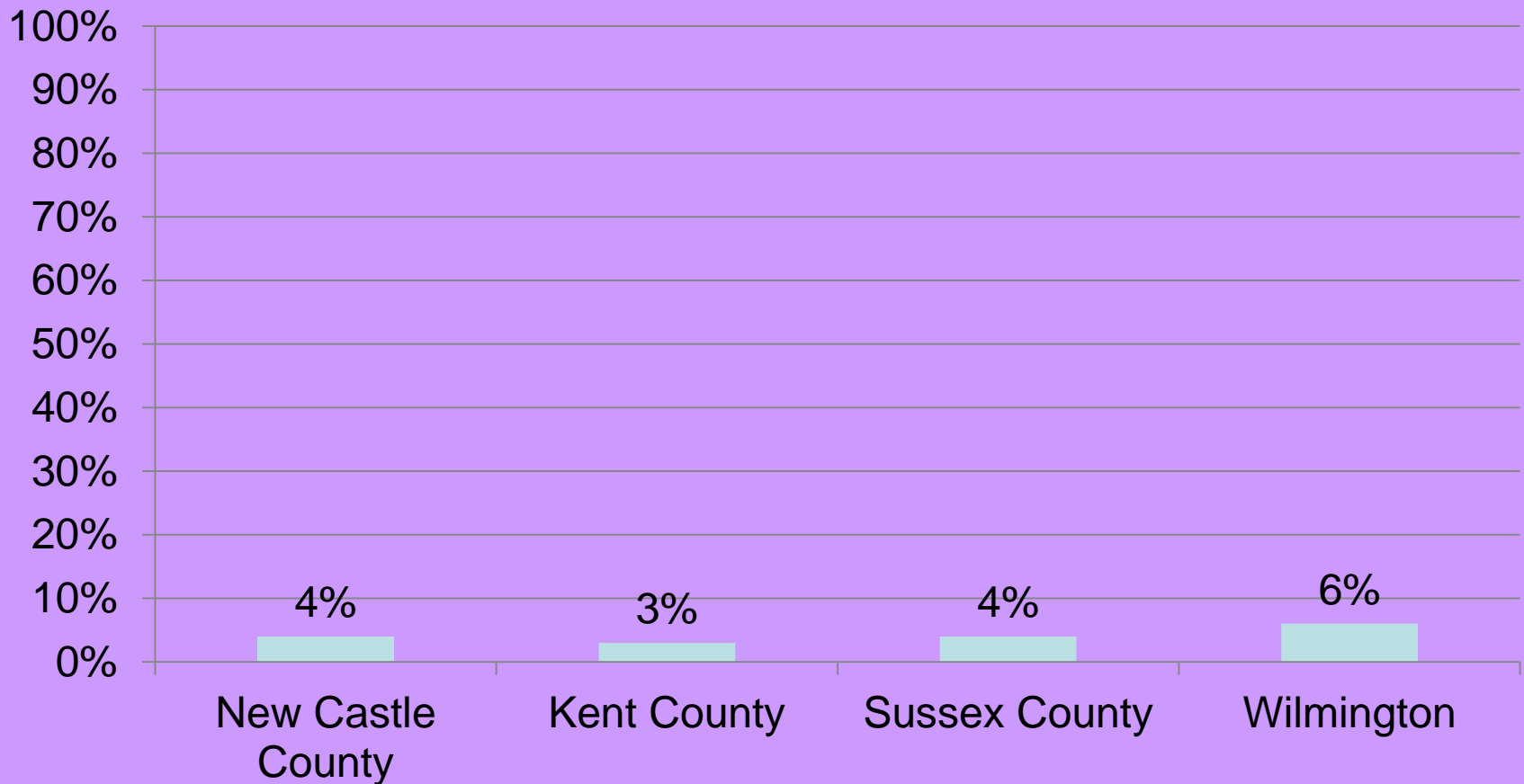


Percent of 11th Grade Delaware Students Self-reporting Binge Alcohol Use in the Past 30 Days

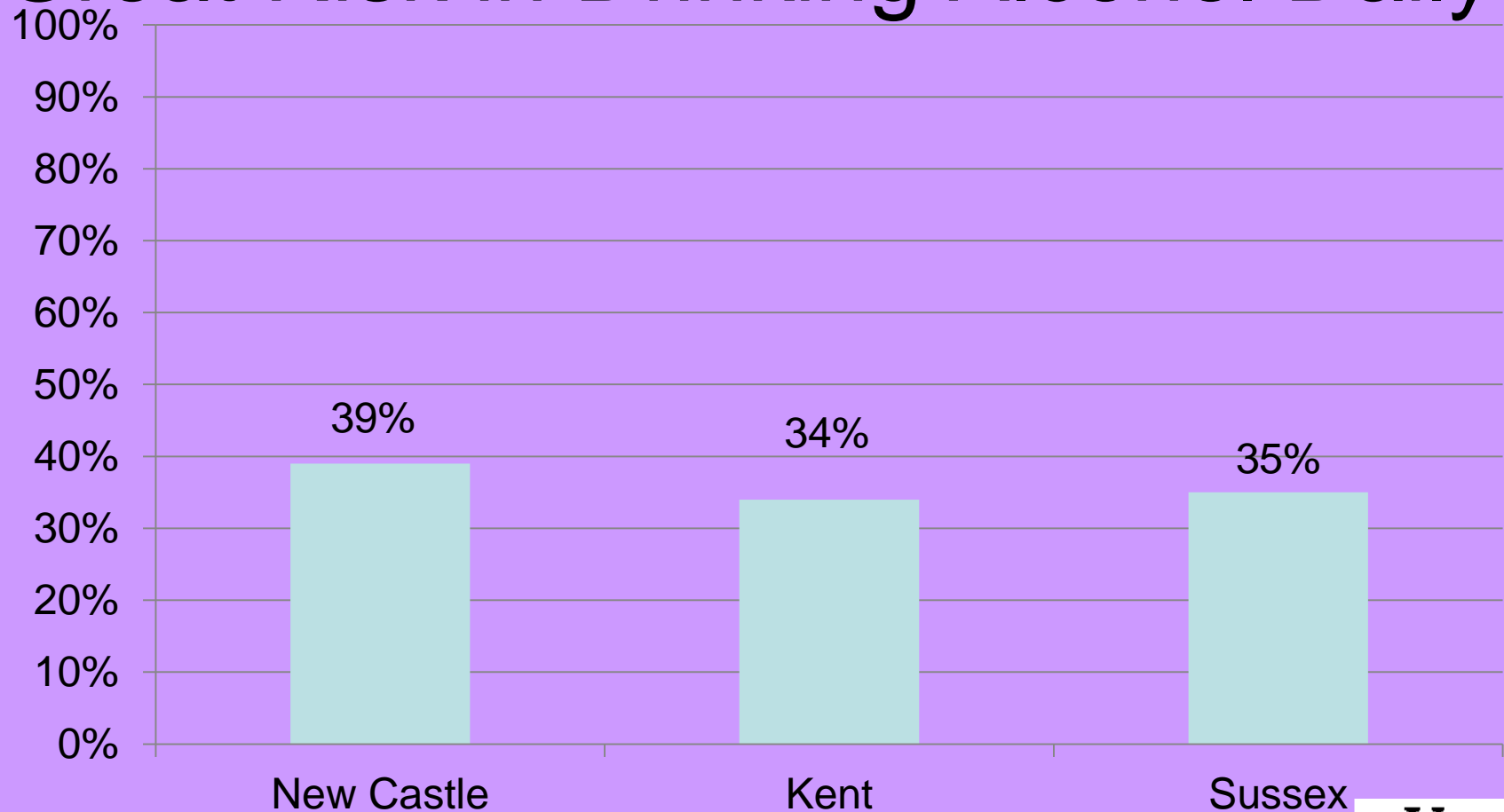


Source: 2014 Delaware School Survey, University of Delaware Center for Drug and Health Studies

Delaware 11th Grade Students Who Report Driving Drunk During the Past Year



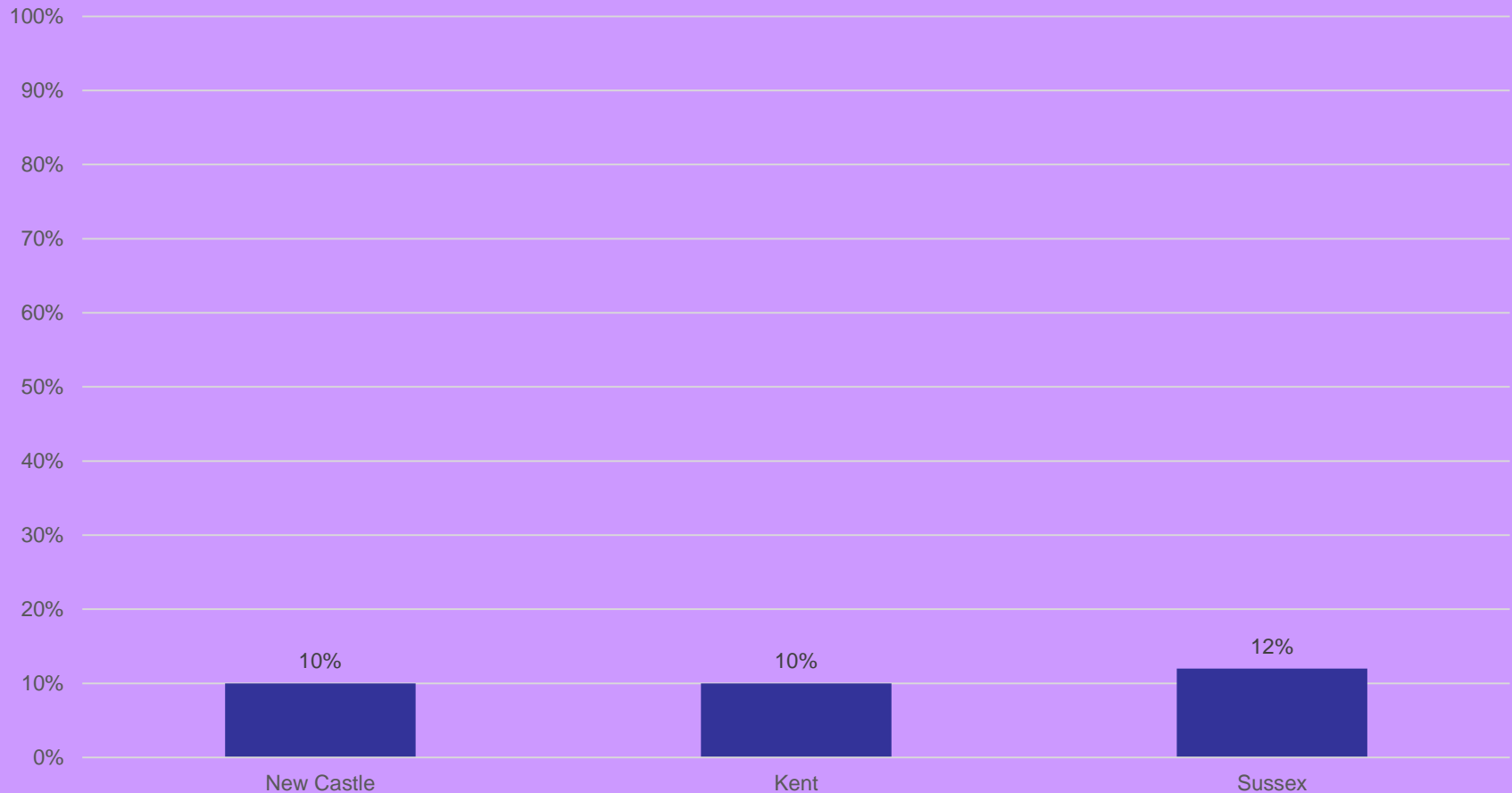
Percent of Delaware High School Students Self-reporting Perceiving Great Risk in Drinking Alcohol Daily



Source: 2014 Delaware School Survey, University of Delaware Center for Drug and Health Studies



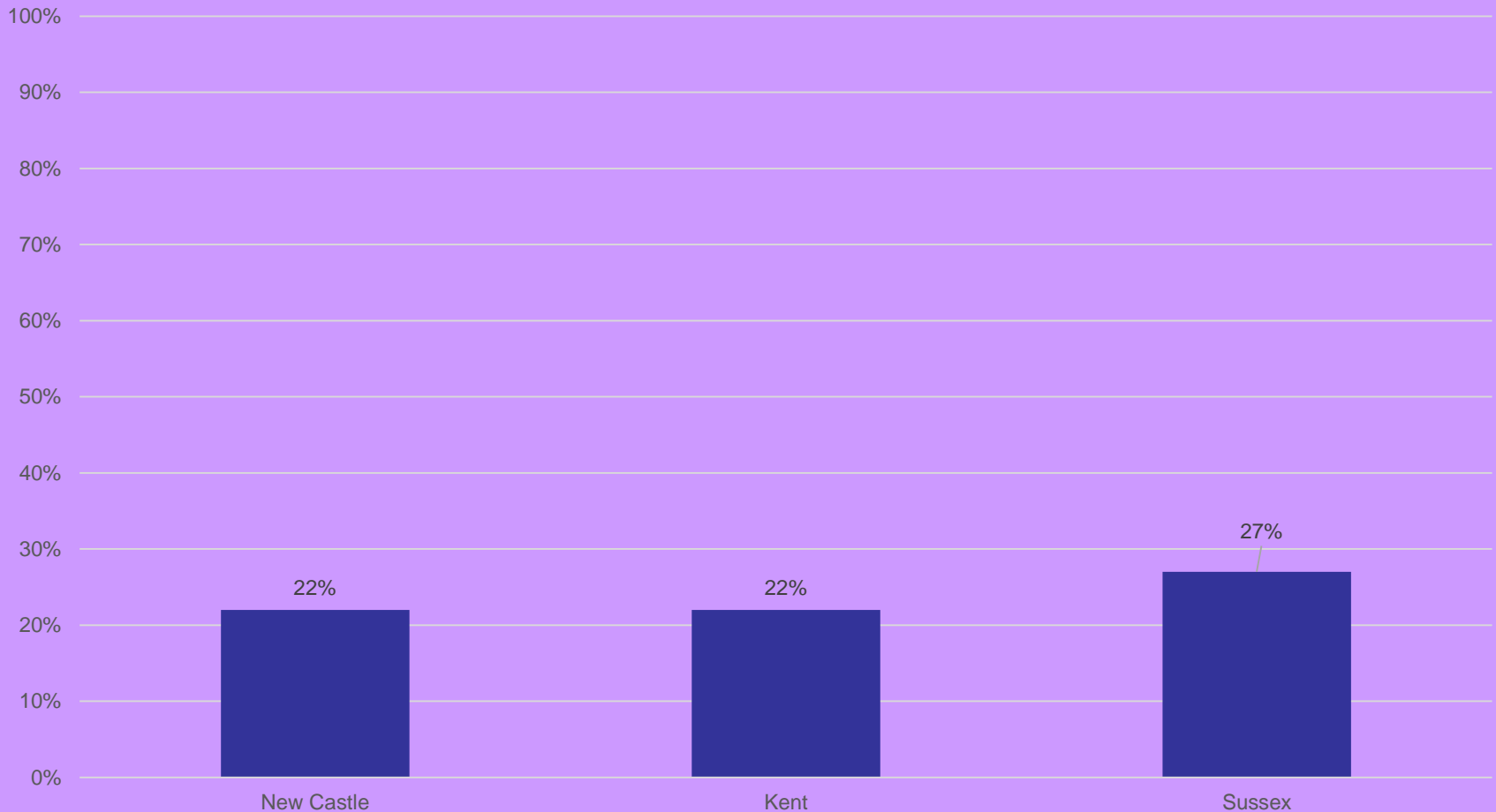
Delaware High School Students Who Report Giving Someone Money to Buy Alcohol For Them



Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies



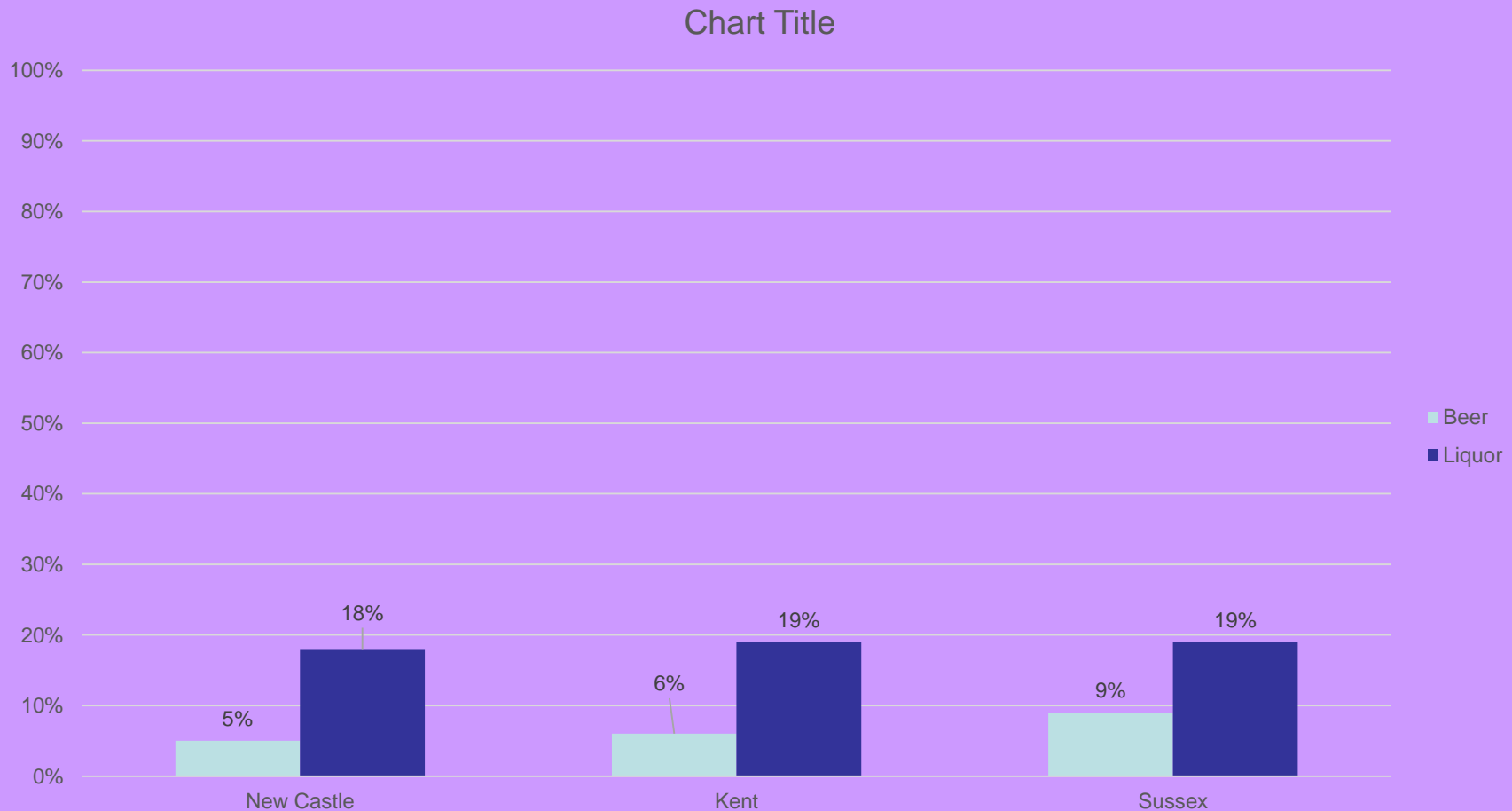
Delaware High School Students Who Report They Drank at Someone Else's House



Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies



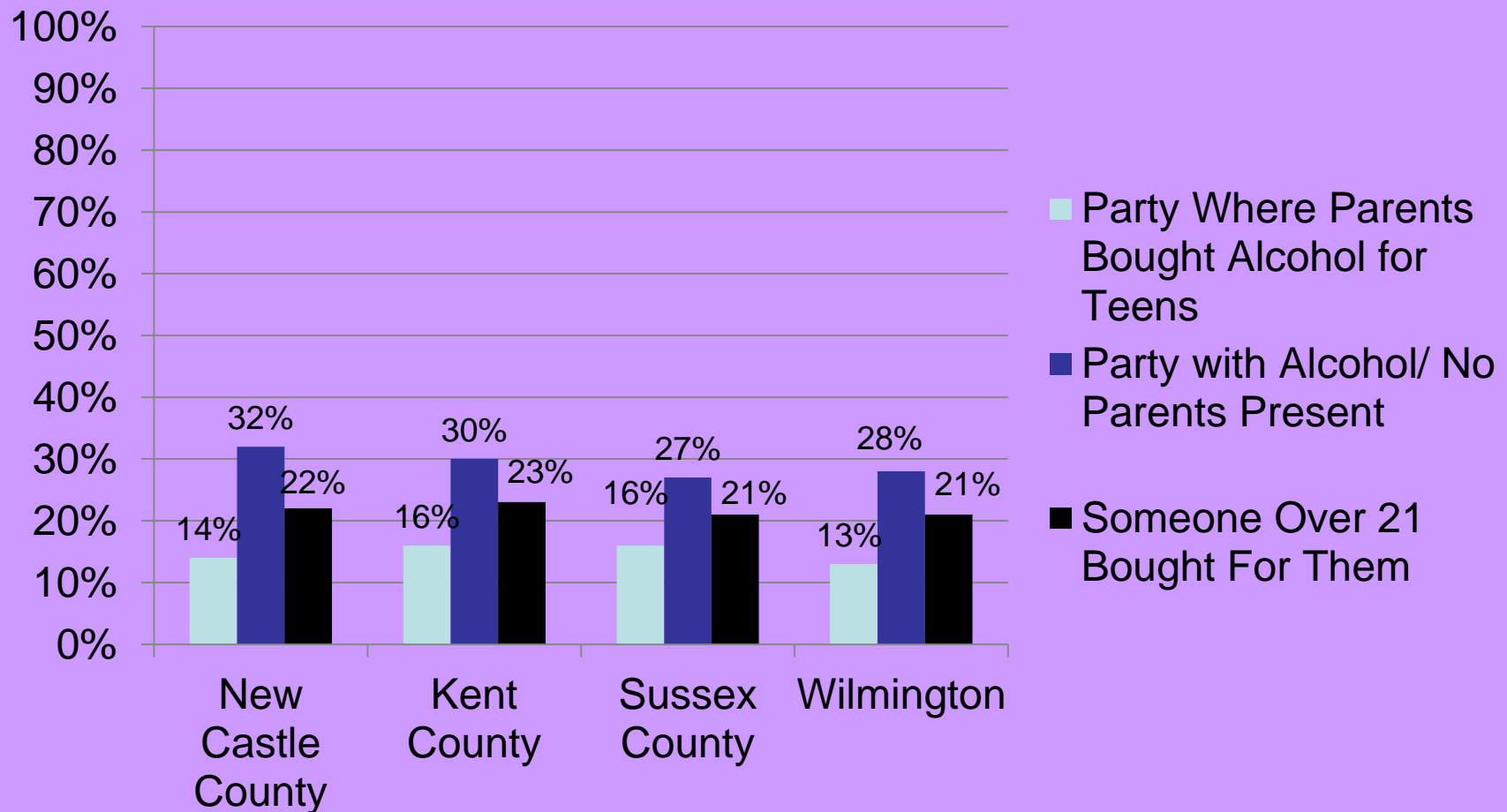
Delaware High School Students Report Types of Alcohol Drunk



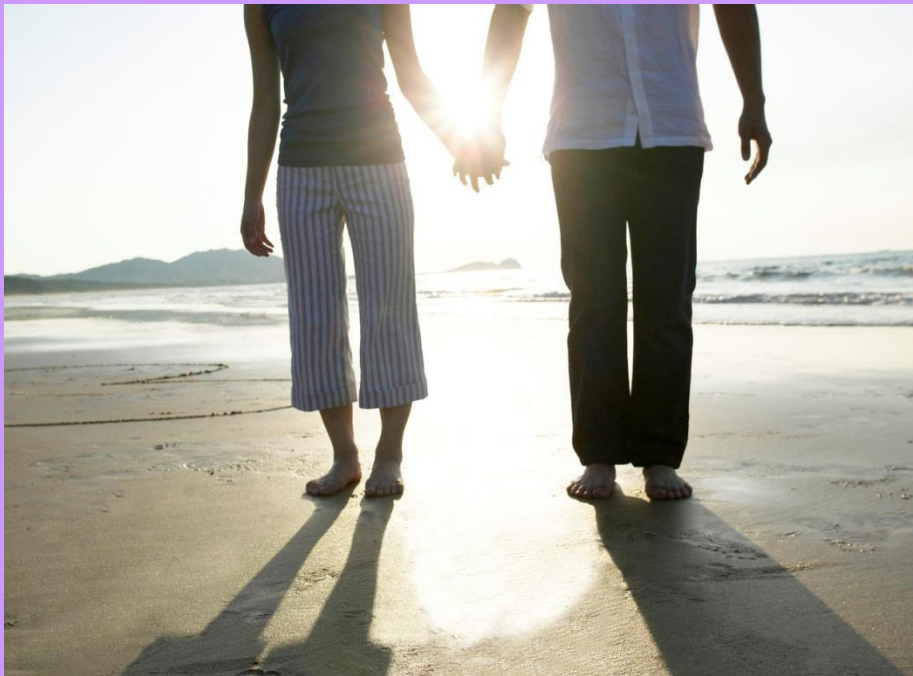
Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies



Delaware 11th Grade Students Report Sources of Alcohol



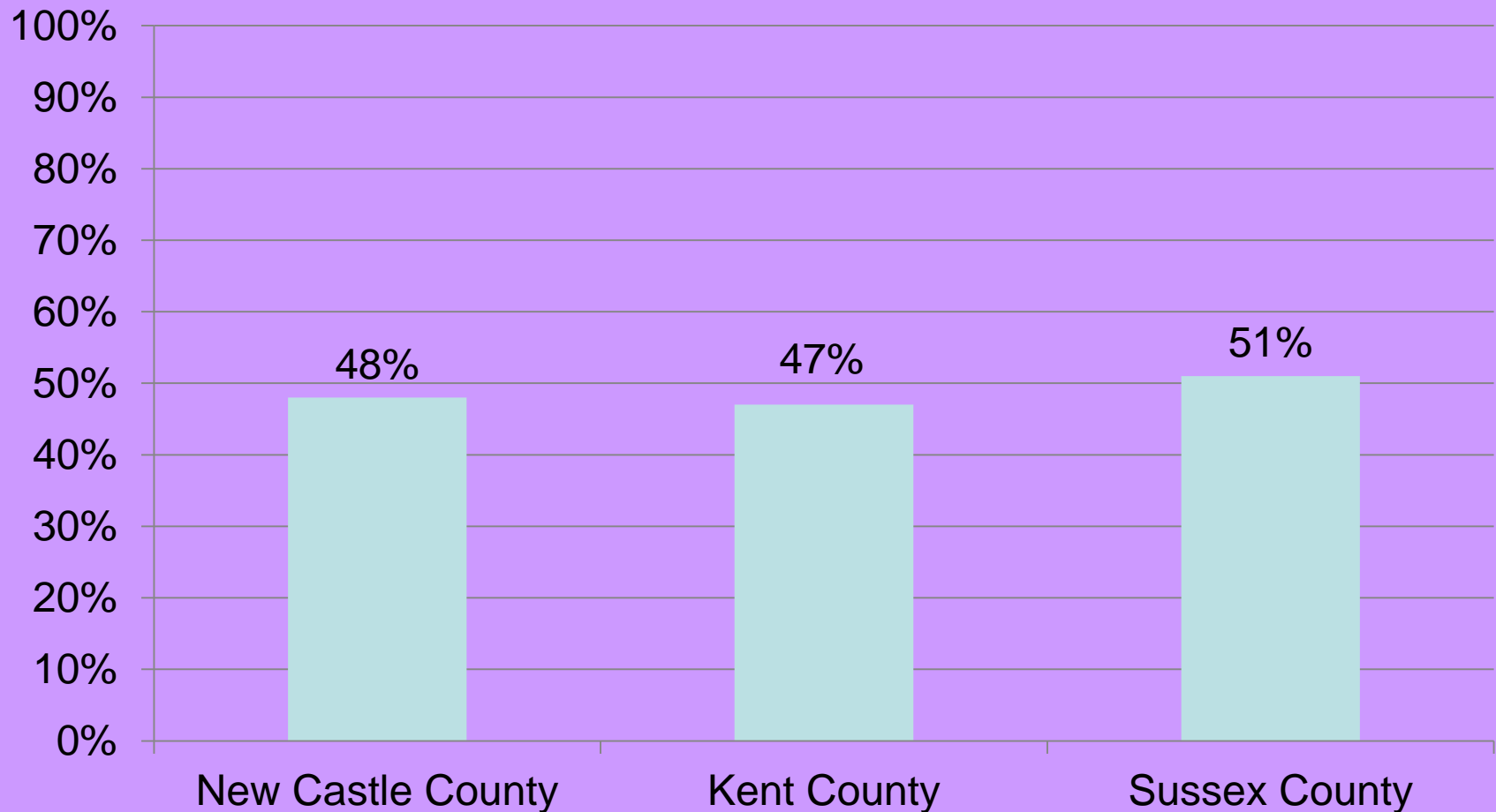
High school students who are current drinkers are twice as likely as non-drinkers to have had sexual intercourse.



Source: 2013 High School Delaware
Youth Risk Behavior Survey,
University of Delaware Center for
Drug and Health Studies



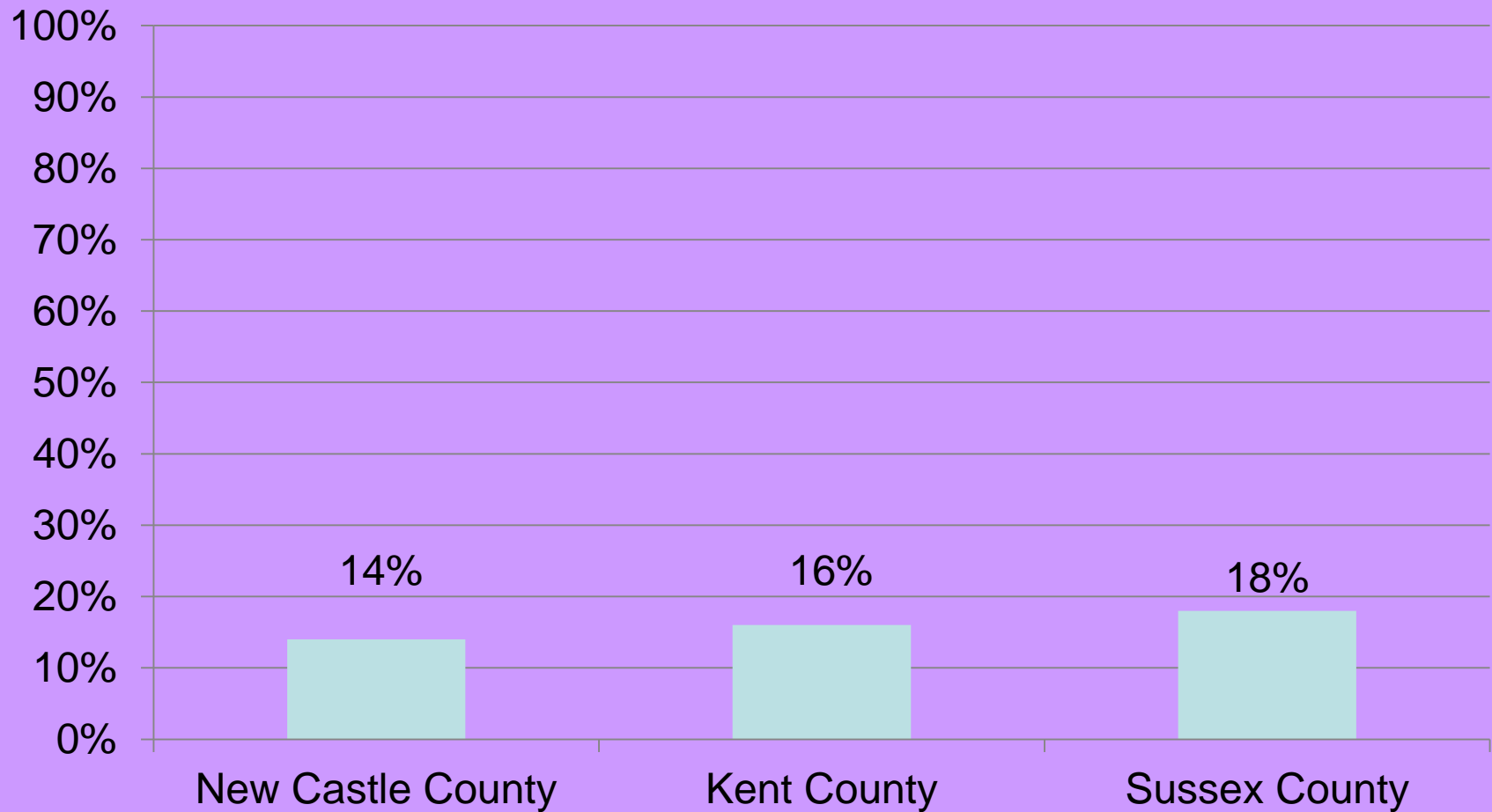
Delaware High School Students Self-Report Having Had Sexual Intercourse



Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies



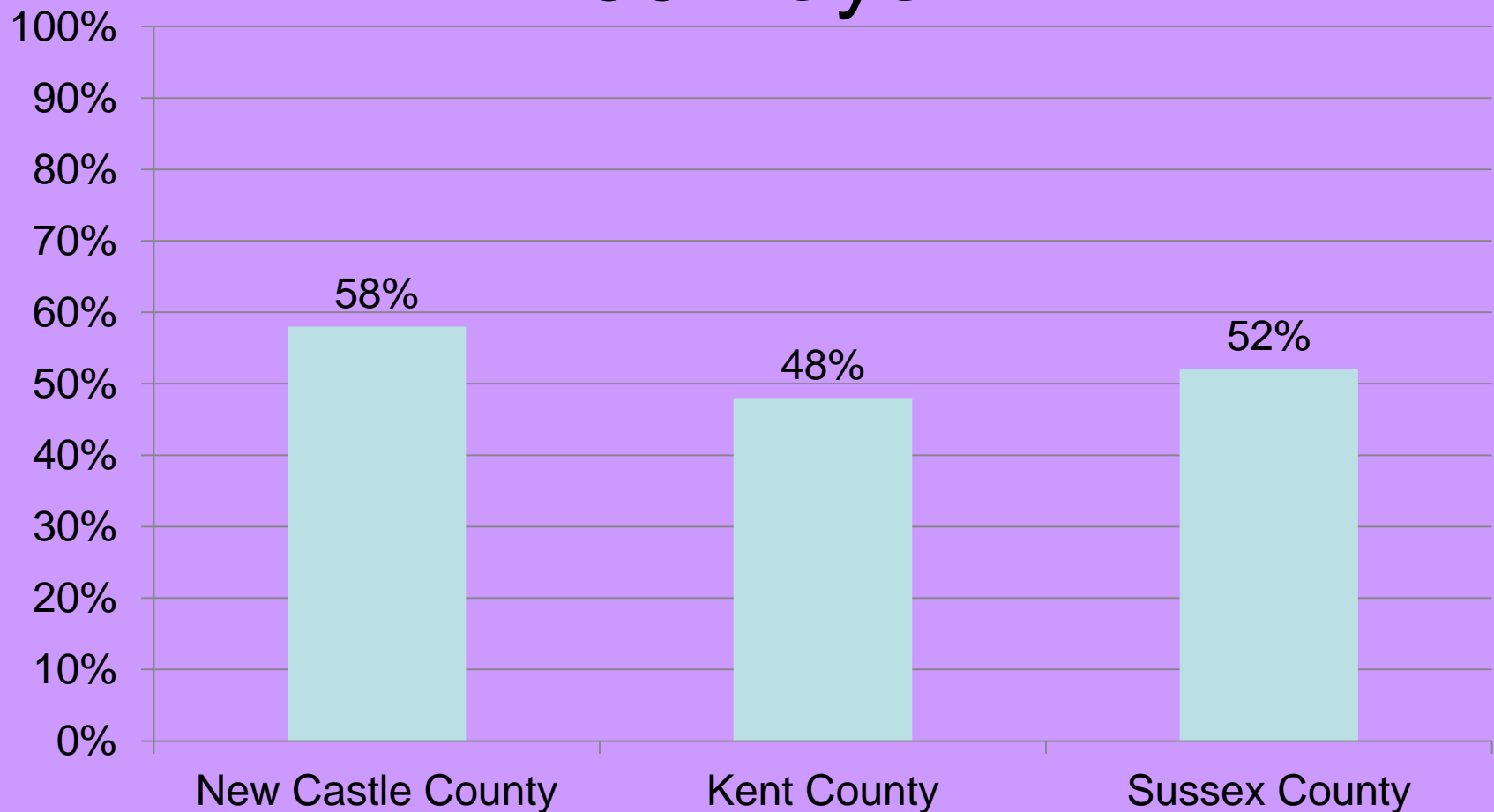
Delaware High School Students Self-Report Having Had Sexual Intercourse With Four or More Partners



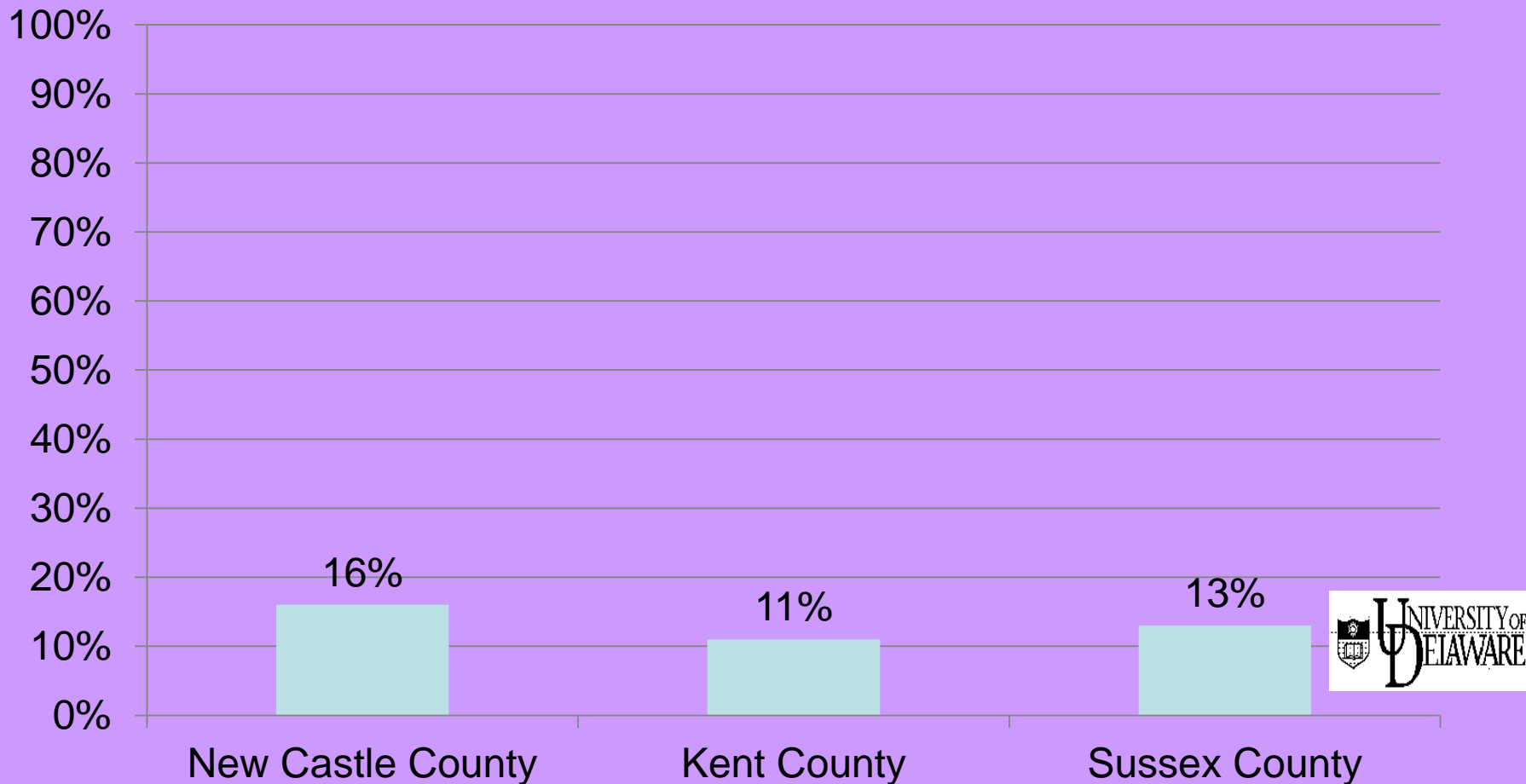
Source: 2013 High School Delaware Youth Risk Behavior Survey, University of Delaware Center for Drug and Health Studies



Delaware Adults Self-Reporting Having Drunk Alcohol in the Past 30 Days

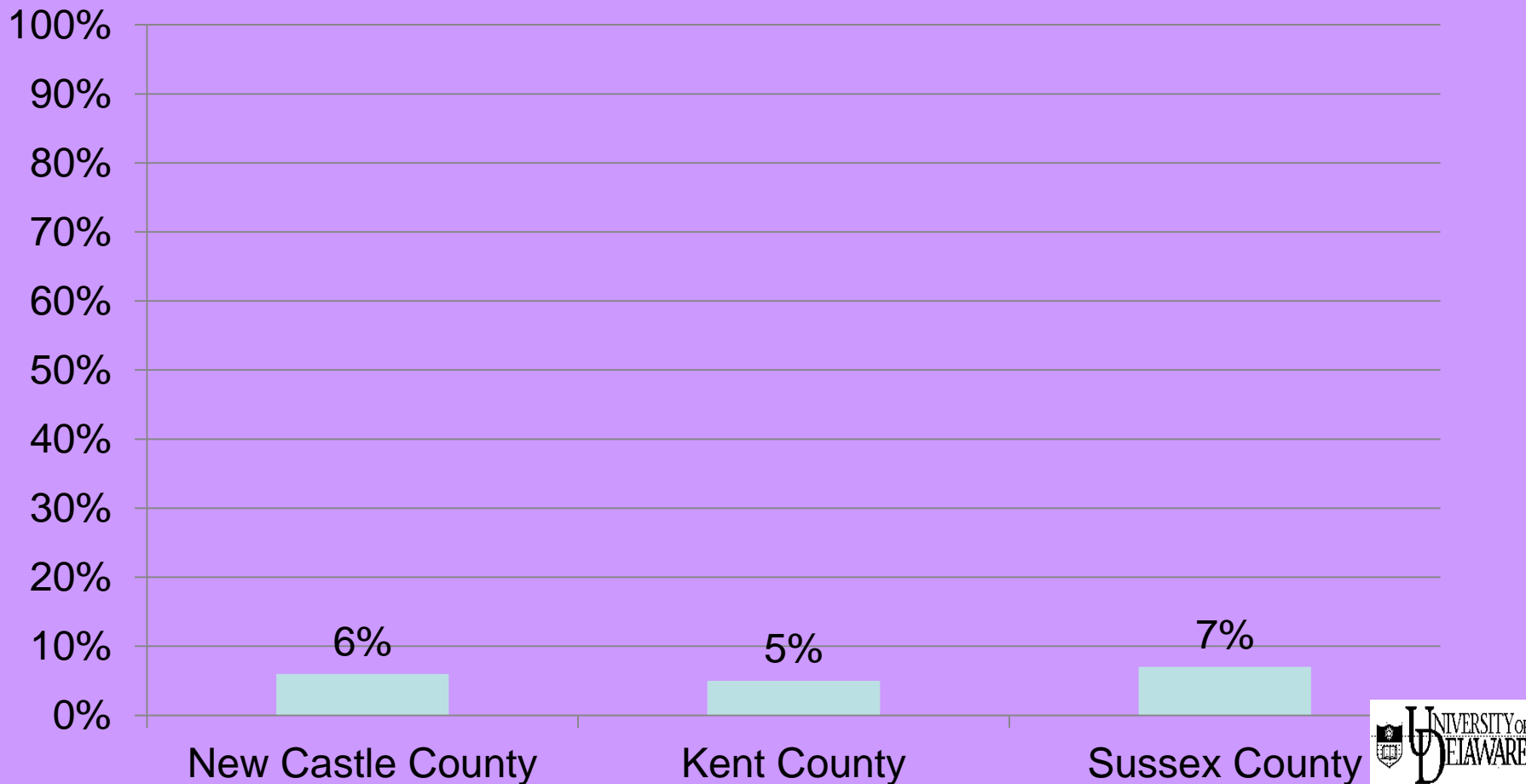


Delaware Adults Self-Reporting Binge Drinking



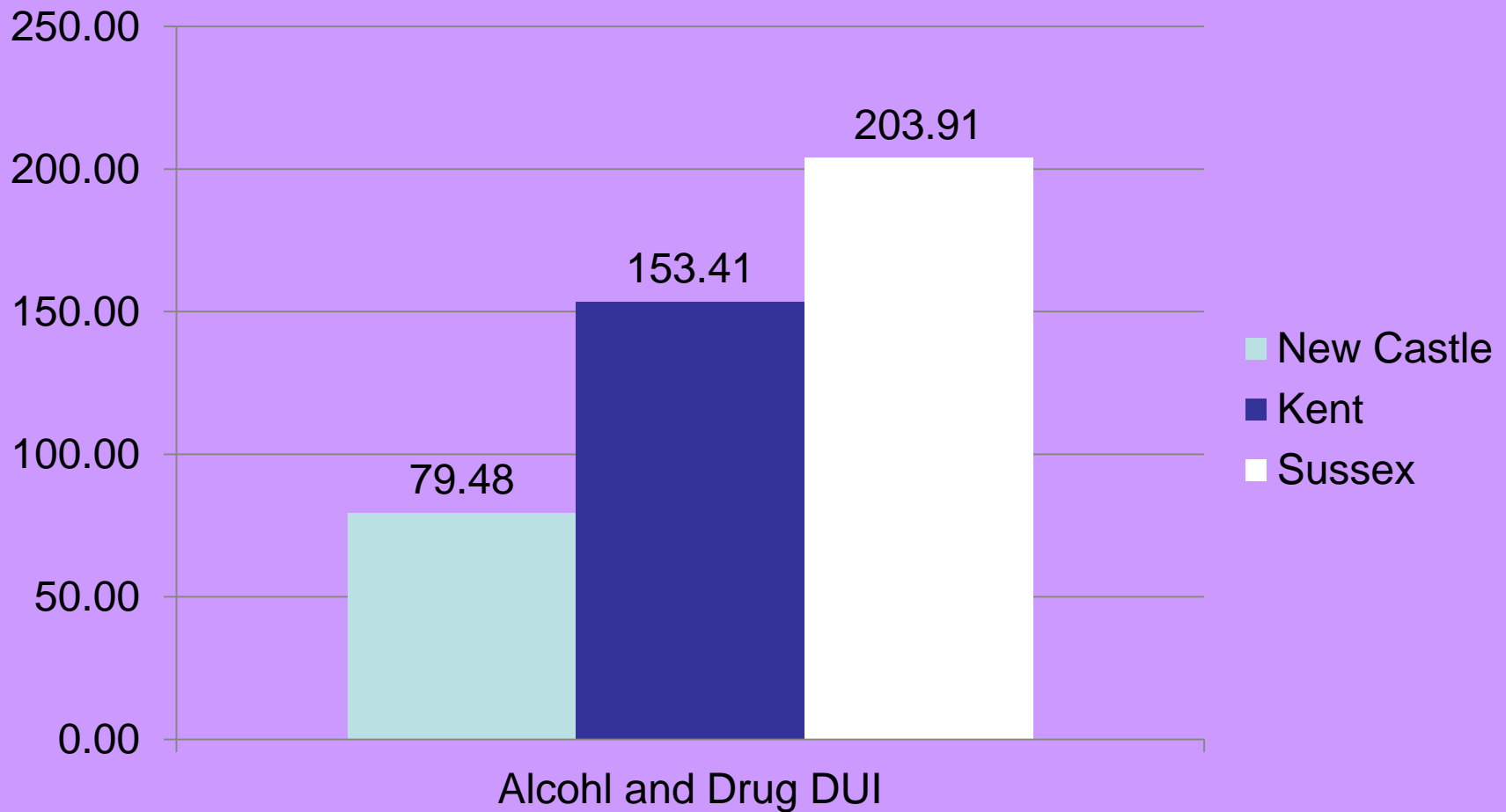
Source: 2012 Delaware Behavior Risk Factor Surveillance System Note: Binge drinking is defined as five or more drinks at a time for a male and four or more for a woman

Delaware Adults Self-Reporting Heavy Drinking

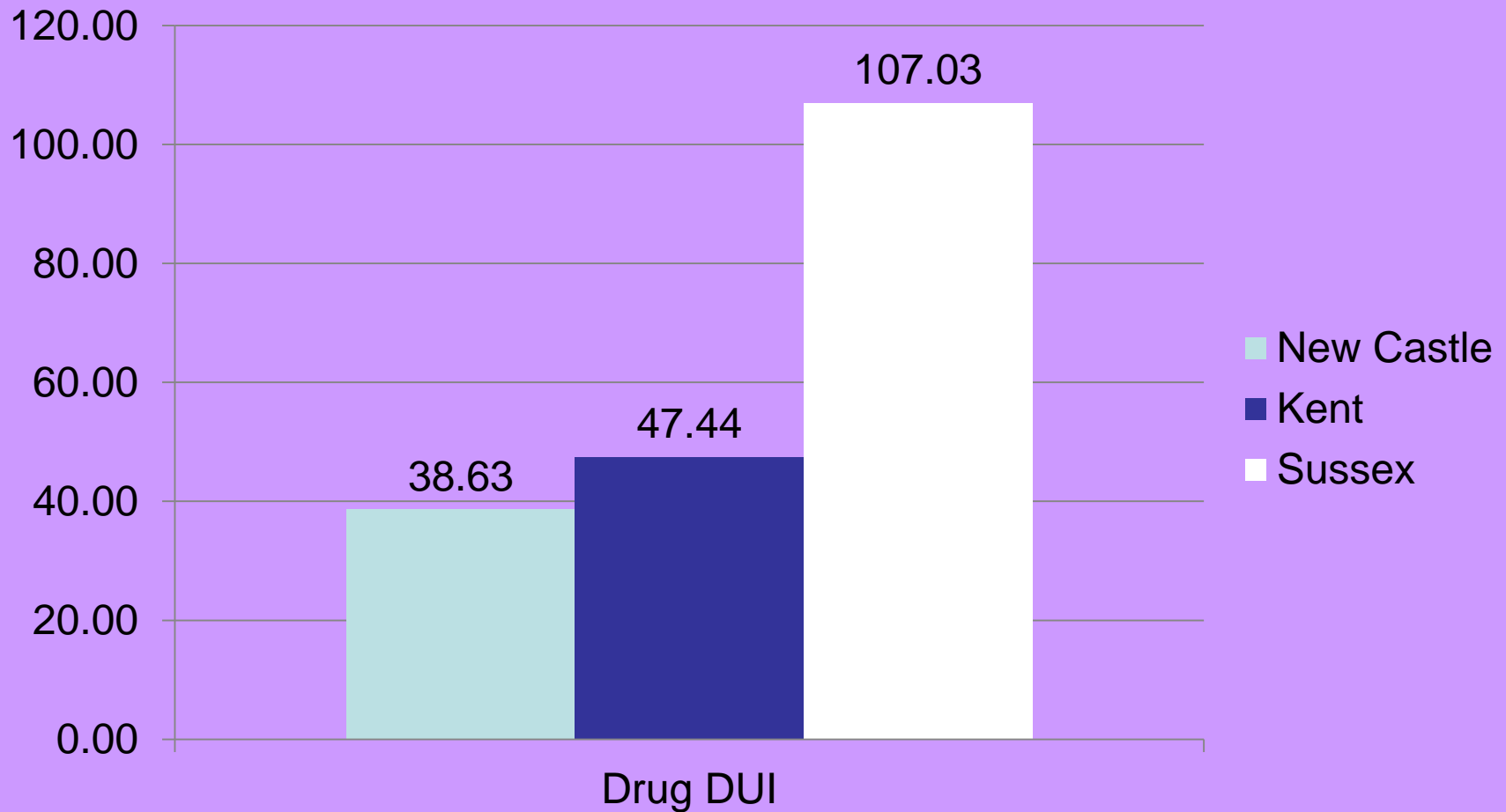


Source: 2010 Delaware Behavior Risk Factor Surveillance System Note: Heavy drinking is defined as more than 2 drinks per day for a male and more than one per day for a female

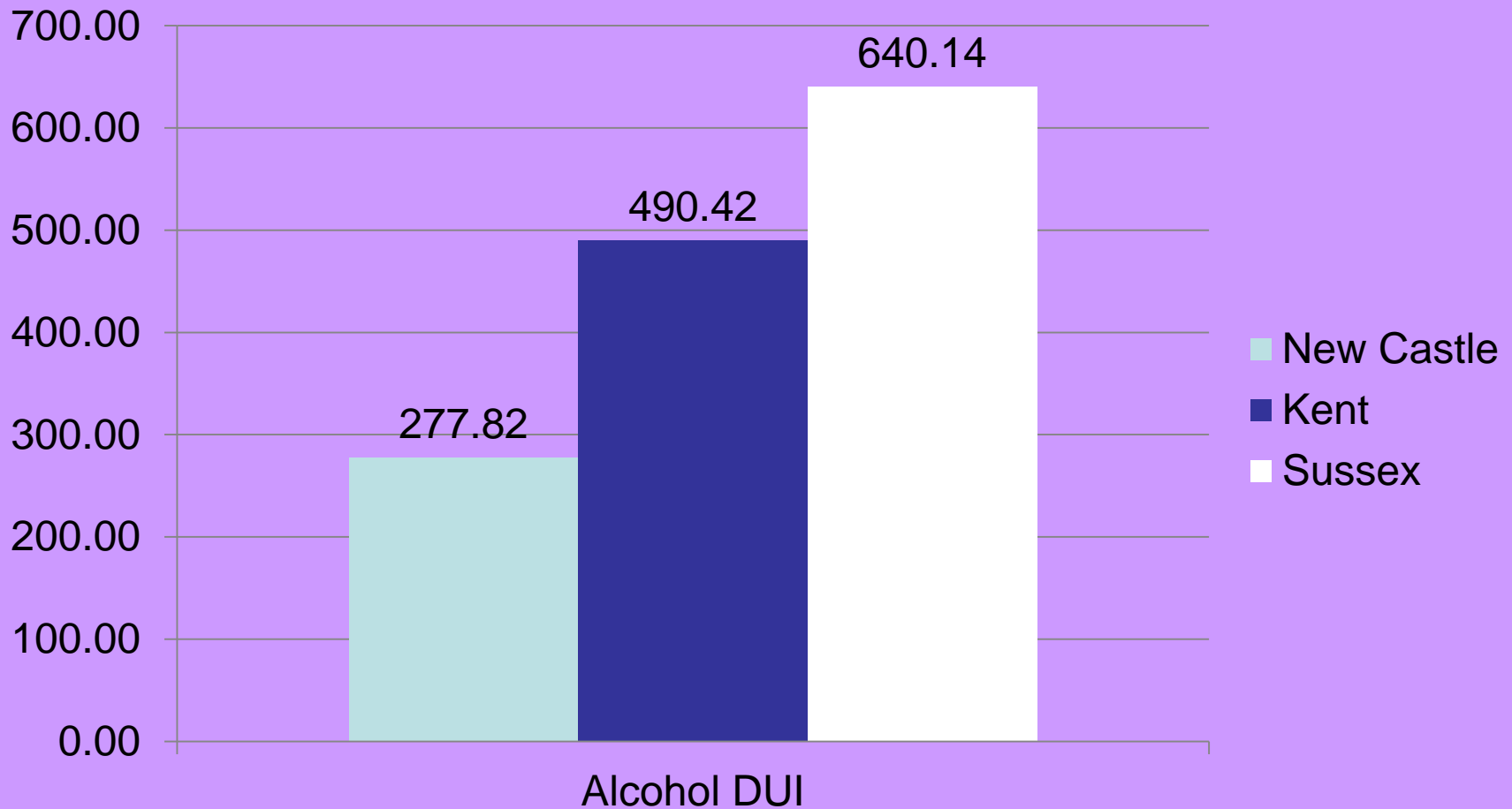
Alcohol and Drug DUI Arrests per 100,000 in Population



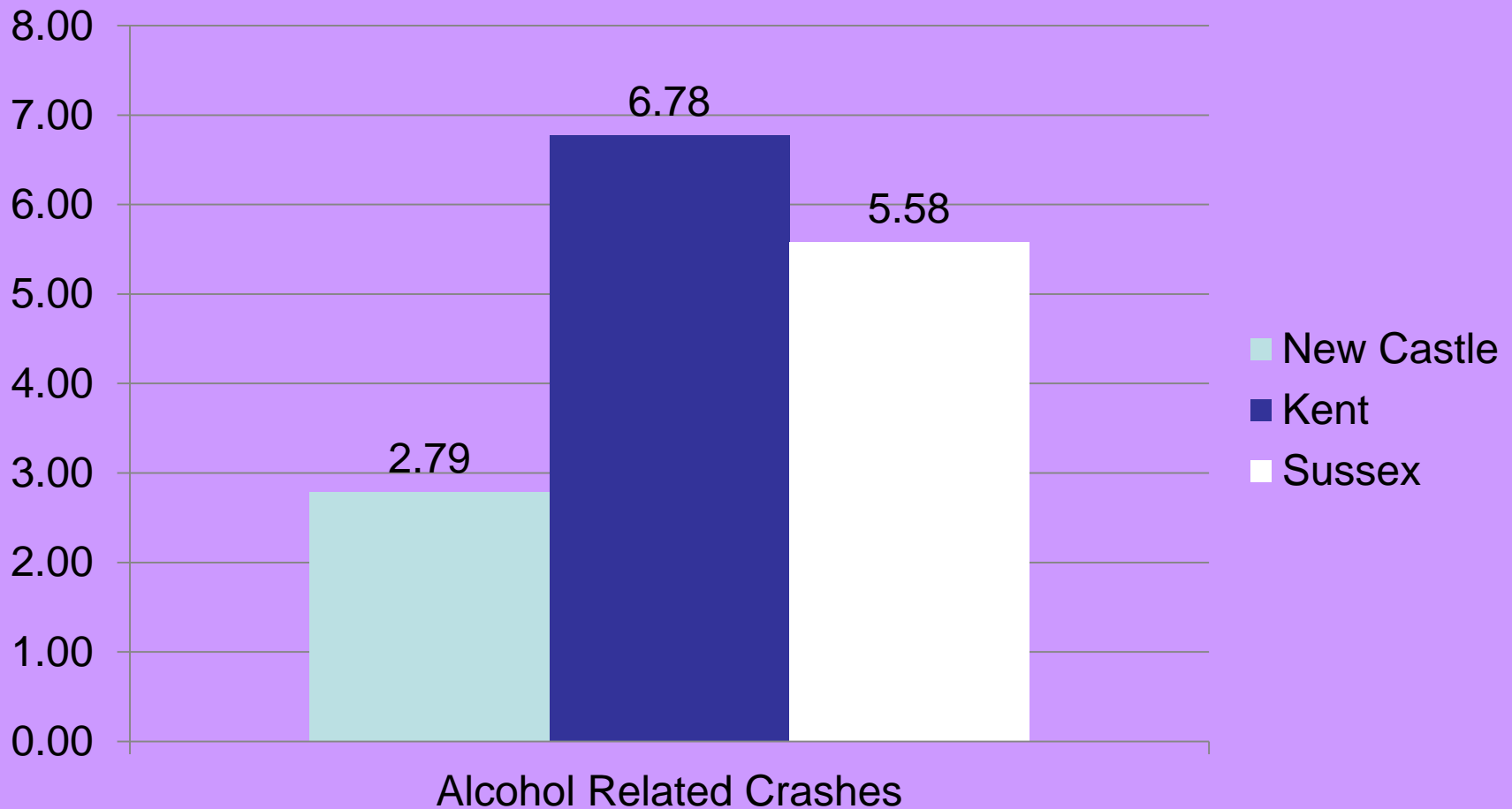
Drug DUI Arrests per 100,000 in Population



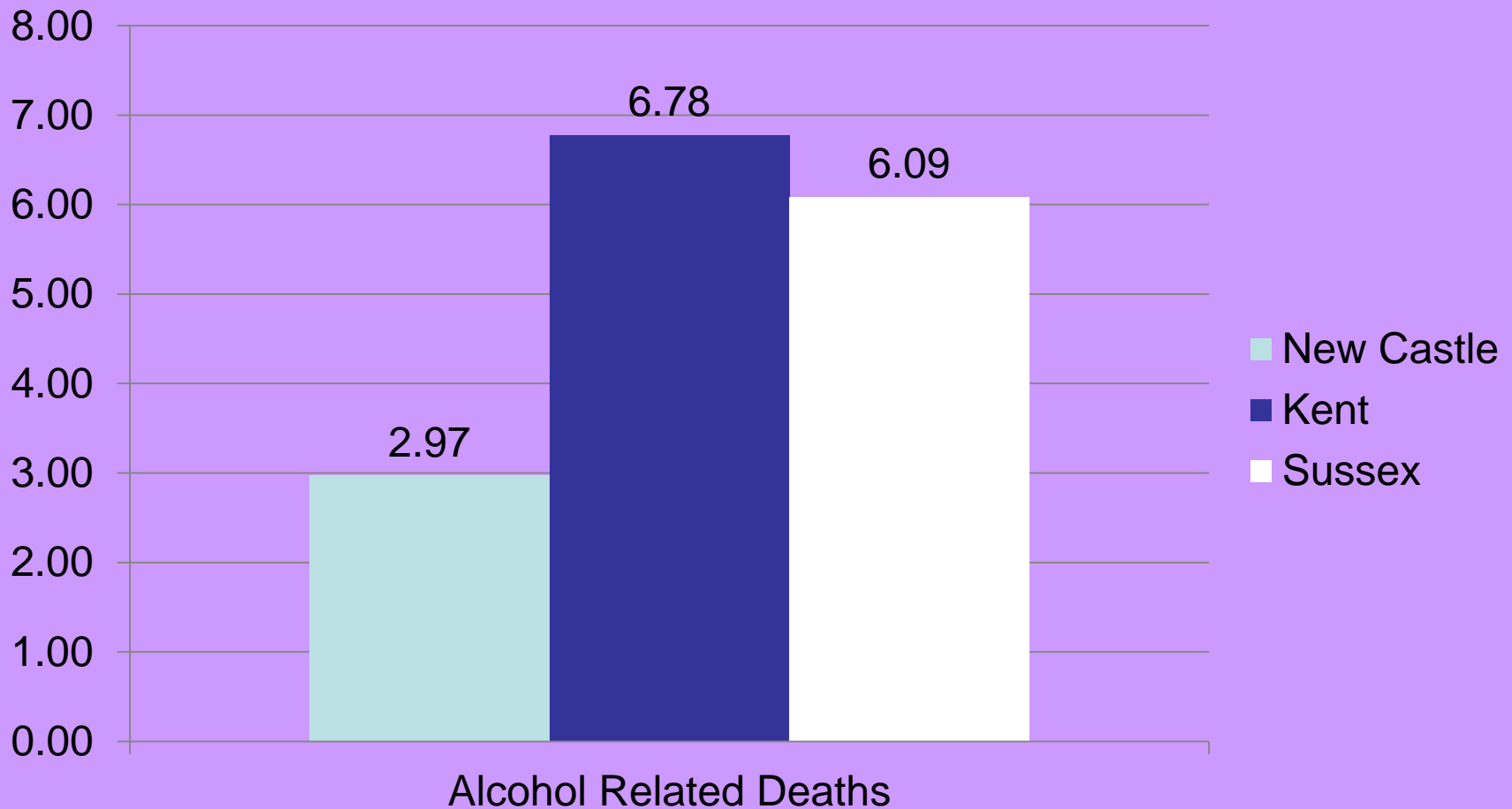
Alcohol DUI Arrests per 100,000 in Population




Alcohol-Involved Traffic Related Crashes per 100,000 in Population



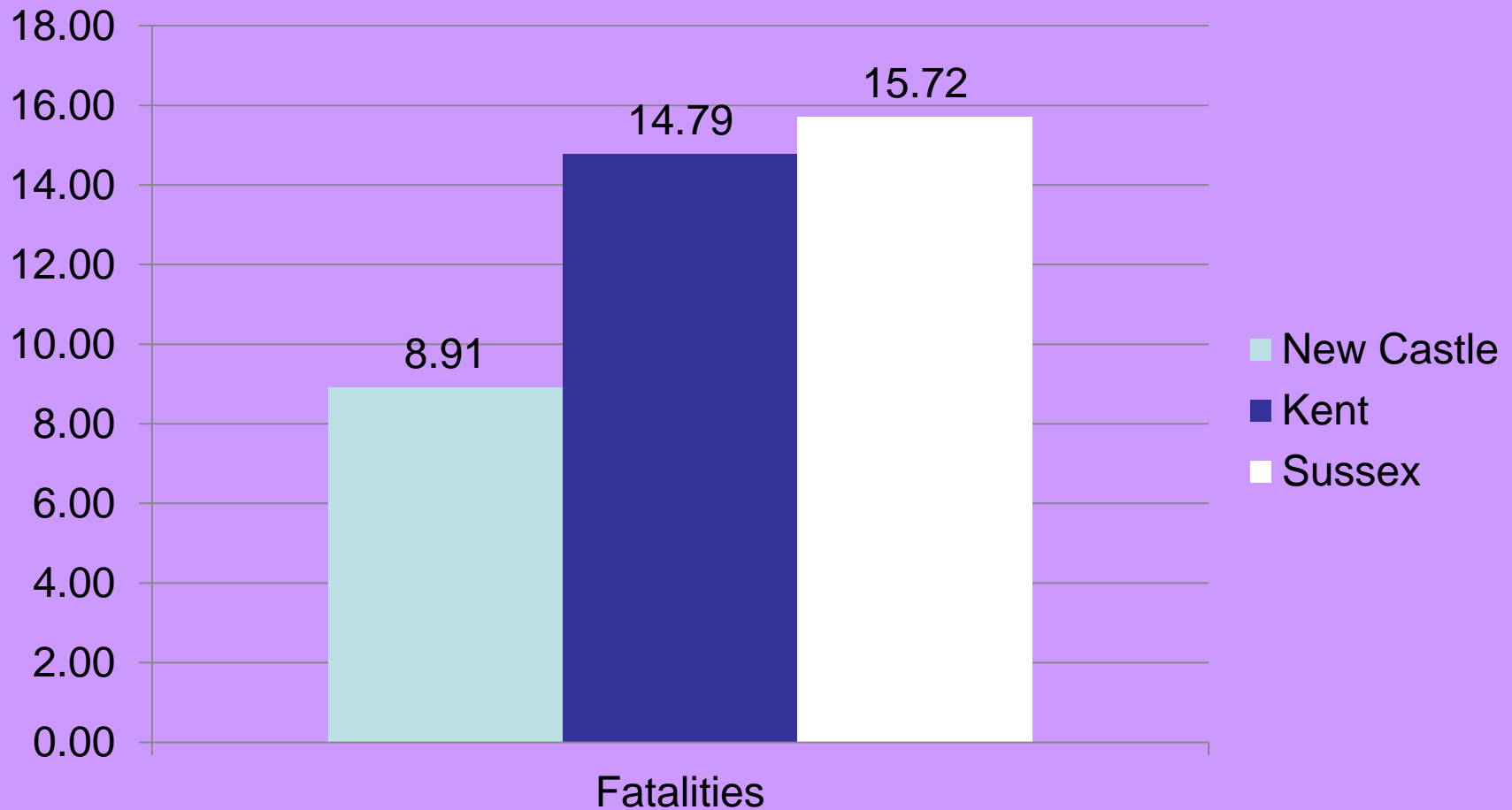
Alcohol-Involved Traffic Related Deaths per 100,000 in Population



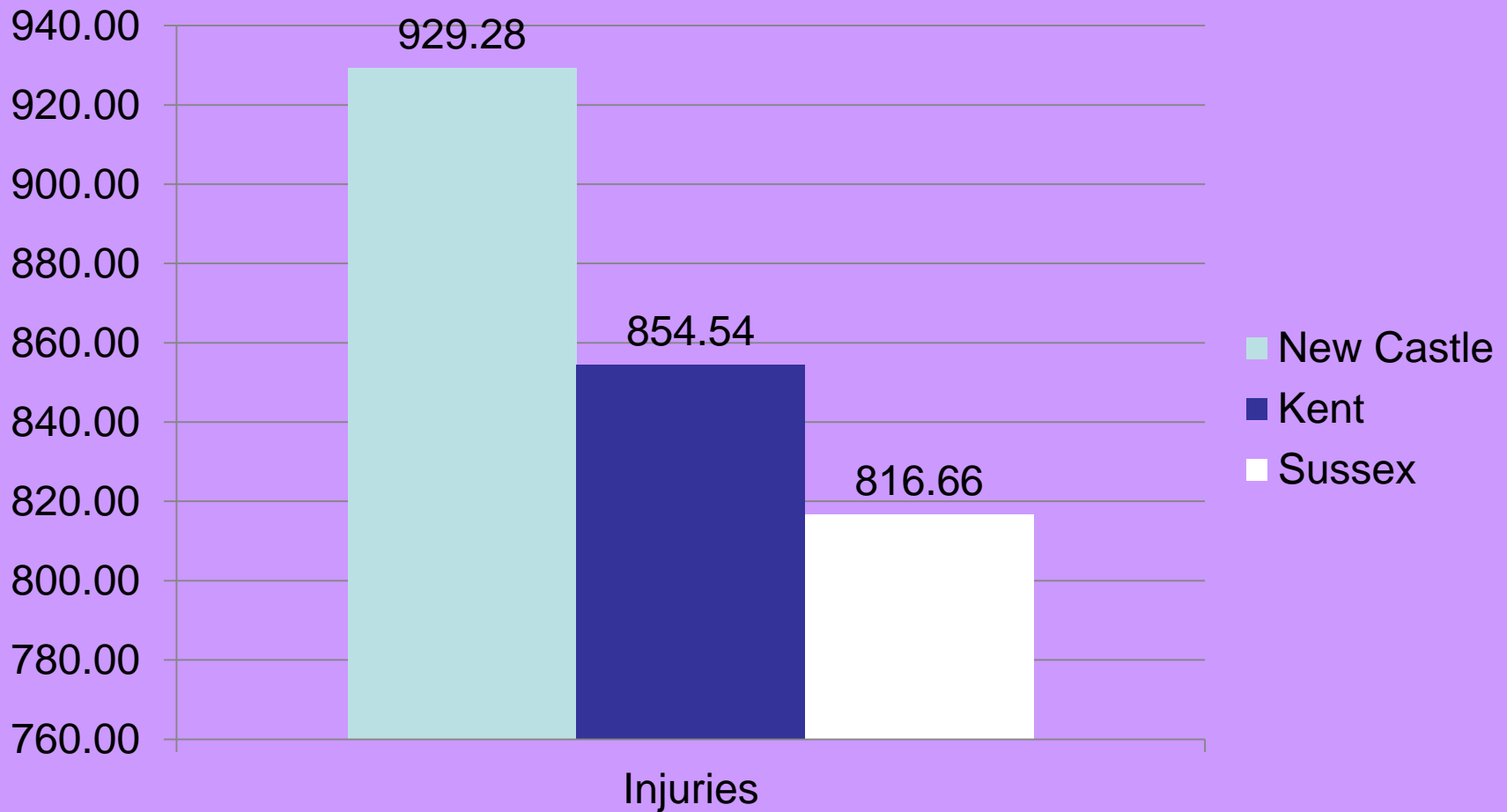
A young girl with curly brown hair, wearing a white short-sleeved dress with a floral pattern, is looking over her shoulder with a concerned expression. She is standing in front of a large, dark tree. The background is slightly blurred, showing a green lawn and a blue car. The overall tone is somber and cautionary.

**Not just
the
drinkers
are killed.**

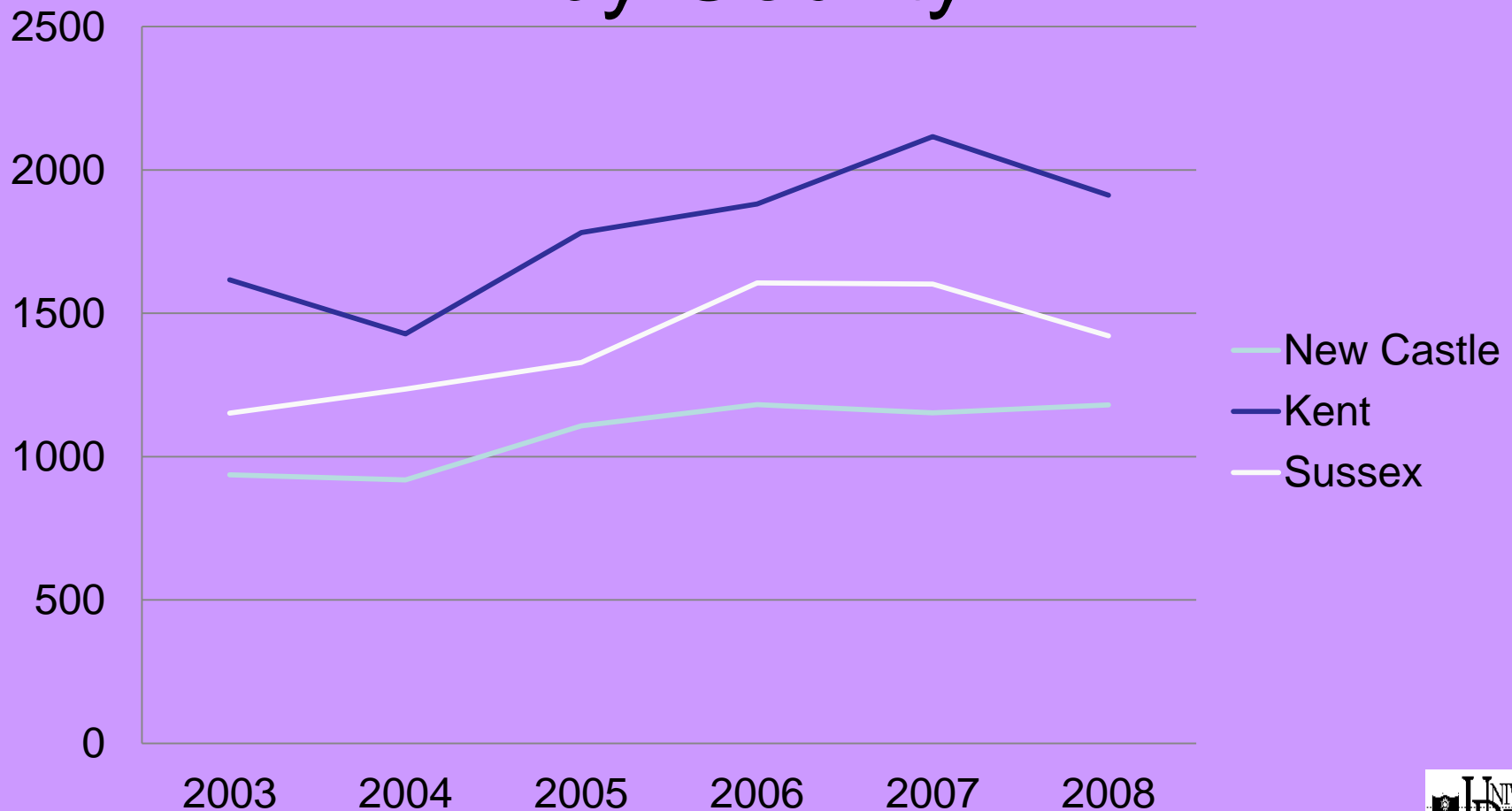
Traffic Related Fatalities per 100,000 in Population



Traffic Related Injuries per 100,000 in Population



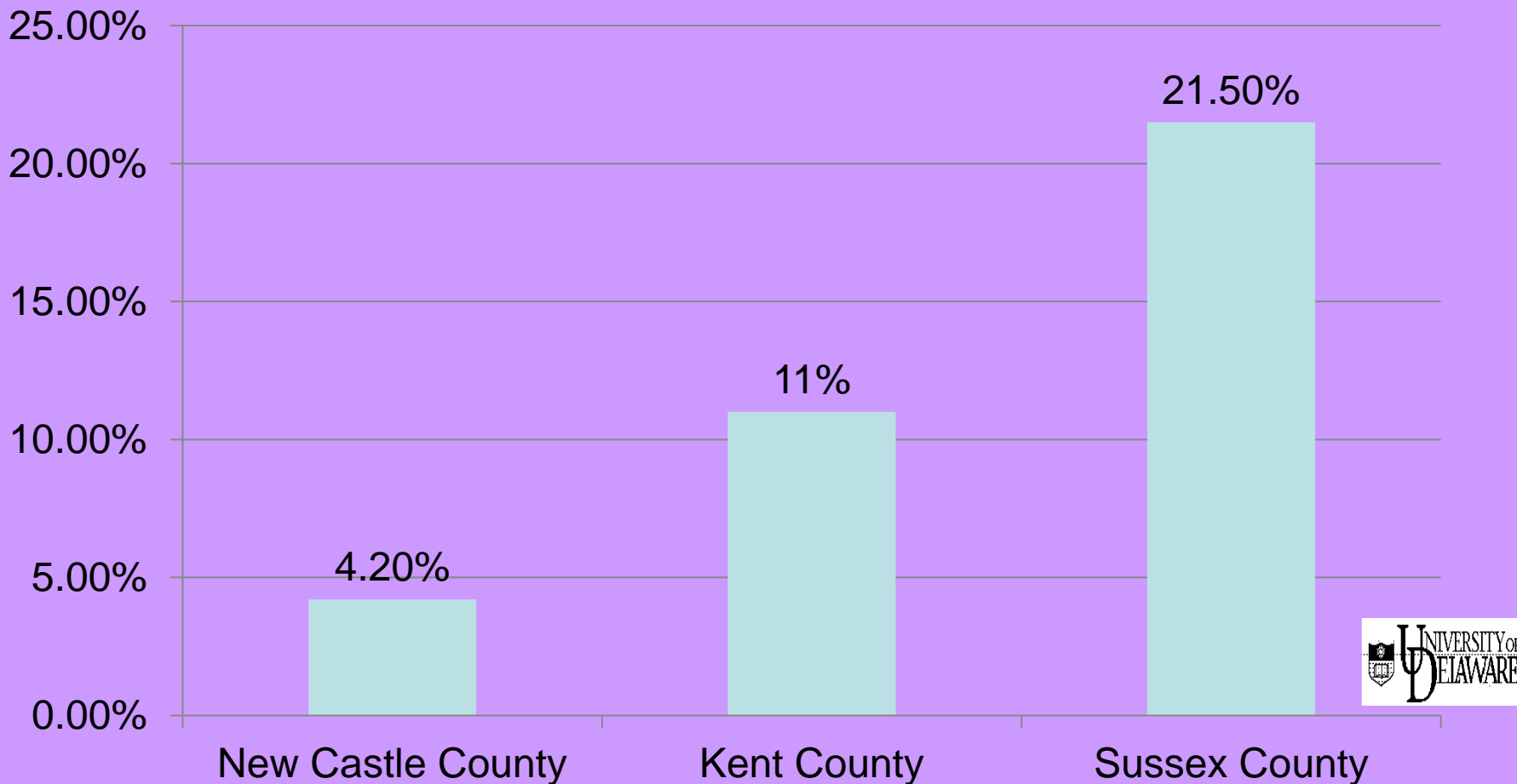
Drug and Narcotic Offenses per 100,000 People Received by Police by County



Source: Crime in Delaware 2003-2008 Report prepared by the Office of Management and Budget and Statistical Analysis Center



Increases in Group A Offenses 2003-2008



Note: Group A Offenses include 22 crimes ranging from arson through assault, burglary, vandalism, drug offenses, homicides and forcible sex offenses Source: Crime in Delaware 2003-2008 report of Delaware Statistical Analysis Center

http://cjc.delaware.gov/sac/publications/documents/crime_in_delaware_2008.pdf

Context of Review

- We saw data from:
 - youth from the Delaware School Survey and the Youth Risk Behavior Survey
 - Adults from the Behavioral Risk Factor Surveillance System for Delaware
 - Adults from Highway Safety and Criminal Justice statistics

- In general Sussex County youth and show levels of substance consumption and consequences similar to those in the other Delaware sub-state planning areas with the exception of cigarettes and alcohol
- For adults, alcohol-related consequences are higher in Sussex County
- Despite having a population more than four times that of Wilmington, each of Sussex, Kent, and the rest of New Castle County have less than half as many existing prevention Service agencies as does Wilmington pointing to a gap in service availability
- Extensive summary data are included in the Appendix document *2012 Delaware Substate Profile*

Some Youth Specifics

- Sussex high school youth report more past month drinking than others in the State
- Sussex high school age youth report more binge drinking than in other parts of the State
- Sussex 11th graders are more likely to report driving while drunk
- Sussex high school youth are more likely to report first drinking before age 13
- Sussex youth are less likely to see a great risk from regular drinking

More Youth Specifics

- Sussex youth are more likely to get someone else to buy alcohol for them
- Sussex youth are more likely to drink at a someone else's house
- Sussex youth are more likely to drink beer and hard liquor than youth in other parts of the State
- Sussex youth are more likely to have parents or other adults buy alcohol for their parties and also to have no parents present at parties

Adult Consumption in Sussex County

- Sussex County adults are less likely to drink than those in New Castle County
- Sussex County Adults are less likely to binge drink than those in New Castle County
- Sussex County adults are as likely to be heavy drinkers as those in New Castle County

Adult Consequences

- Both Alcohol and Drug arrests for DUI are considerably higher in Sussex than in New Castle or Kent Counties per 100,000 pop.
- Alcohol-related crashes and fatalities are much more likely in Kent and Sussex Counties than in New Castle County per 100,000 pop.
- Traffic fatalities are greater in Kent and Sussex Counties, while traffic-related injuries are greater in New Castle County per 100,000 pop.

Potential Correlate of Alcohol use in Sussex and Kent Counties

- There are higher rates of drug and narcotic offenses in Sussex and Kent Counties compared to New Castle County
- The rate of Type A offenses (violent) is increasing most sharply in Sussex, next in Kent, and slowest in New Castle County. The rate of increase in Sussex is 5 times the rate in New Castle County

Existing Prevention Resources

- There are more than twice as many existing agencies providing prevention services in Wilmington, as compared to each of the rest of New Castle County, Kent County, and Sussex County
- This is true even though the population of Wilmington is one-fourth or less than that of the other three Substate planning areas



Distribution of Delaware Prevention, Treatment and Referral Resources

Prevention Programs are more than twice as likely to exist in Wilmington than in each of the other Substate Planning areas (rest of New Castle County, Kent County, Sussex County)