

## Durham County Schools, Youth Risk Behavior Survey – Spring 2009

### Executive Summary

The Youth Risk Behavior Survey (YRBS) is a national school-based survey developed by the Centers for Disease Control and Prevention (CDC) in 1990. At the national level, the survey is administered to adolescent youth every two years to monitor health risk behaviors that contribute to deaths, disability, and social problems among young Americans. For Durham County Schools, the YRBS is seen as a tool for needs assessment and curriculum planning. The Durham County School System administered the YRBS in the middle and high schools most recently in the spring of 2009.

The middle school survey contained 72 questions, covering at-risk behavior for school and personal safety, weapons, and violence; suicidal thoughts and actions; the use of tobacco, alcohol, and other drugs; sexual activity and sexual education; and nutrition, exercise and lifestyle, and perceptions of the school as a safe place. The high school survey contained 97 questions, assessing indicators for the same at-risk behaviors contained in the middle school survey. Additionally, the sections concerning tobacco, drug, and alcohol use were extended and more detailed, as well as the section on sexual activity. The high school survey also prompted participants to provide information about their height and weight, which was used to calculate body mass indices for high school students.

A total of 949 students responded to the surveys in this report, 460 middle school respondents and 489 high school respondents. Durham County respondents were selected according to a stratified two-staged cluster design whereby classrooms in schools were randomly chosen to participate, giving students within those classes the opportunity to opt out of participation. The survey data was then weighted so that the results adequately reflected the race and gender composition of middle and high school students in Durham Public Schools. This report compares the Durham County middle and high school results to those of students in the Central Region and throughout North Carolina. This is the second time that Durham Public Schools included a larger number of their students in this survey, so the analysis also includes comparisons of 2009 results with 2007 data. Additionally, race, gender, and academic grade (see Addenda 1 and 2) contingencies were analyzed. Calculations were made to determine statistical significance for all comparisons. Body Mass Index and Perceptions of Weight percentages were calculated for high school students. Finally, 2009 Durham County findings were compared with Healthy Carolinians 2010 objectives.

Significant findings from the 2009 **middle school** YRBS include the following:

- Hispanic students were at-risk for more indicators than other races.
- Females were at-risk for more indicators than males.
- Durham students were more at-risk than **statewide** students for behaviors that relate to diet and physical activity, sleep, asthma, spending time alone (without a parent or other adult), and gangs
- Durham students were less at-risk than **statewide** students for behaviors related to weapons, abuse of prescription drugs, and sex education.

- Compared with **statewide** results, a greater percentage of Durham students perceived that teachers and other school personnel cared and offered encouragement.
- Durham students were more at risk than **regional** students for being bullied at school, not being taught about sexually transmitted diseases, not eating breakfast, TV and video games use, being alone without an adult, asthma, and gangs.
- Durham was less at-risk than **regional** students for indicators that include weapons, prescription drug abuse, and perceptions that teachers care.
- Since 2007, Durham has regressed with regard to seat belts and bullying.
- Since 2007, Durham has improved with regard to sex education, eating family dinners at home, and access to dental care.
- Students who received mostly D's and F's (or in some cases, mostly C students) were more at-risk for several at-risk indicators (see Addendum 1).

Significant findings from the 2009 **high school** YRBS include the following:

- Hispanic high school students were at-risk for more indicators than other races.
- Males were at-risk for more indicators than females.
- Durham was more at risk than **statewide** results for some indicators regarding alcohol and marijuana use, diet and physical activity, and other behaviors such as sleep, being alone without a parent, and perceptions that gangs are a problem at school.
- Durham was less at risk than **statewide** students for students testing for HIV, and eating green salad.
- Durham was more at risk than **regional** students for several indicators pertaining to alcohol and marijuana use, sexual activity, diet and physical activity, and perceptions that gangs are a problem at school.
- Durham was less at risk than **regional** students for indicators related to bullying, testing for HIV, and speaking with teachers about sexually transmitted diseases, HIV, AIDS, and pregnancy prevention.
- Durham was more at-risk than **regional** students for some physical activity indicators (e.g., watching TV), but less at-risk for other indicators such as maintaining physical activity for at least 60 minutes per day.
- Since 2007, Durham has **regressed** with regard to alcohol and marijuana use as well as several at-risk indicators of sexual activity.
- Since 2007, Durham has **regressed** with regard to the percentage of students who described themselves as being overweight
- Since 2007, Durham has **regressed** with regard to the percentage of students who reported that they are alone without a parent or adult for 3 or more hours per day on an average school day.
- Since 2007, Durham **improved** for the following indicators: bully behavior and other violence-related behaviors, suicide attempts, glue-sniffing, and the percentage of students reporting that they had had their first drink of alcohol before age 13.
- Students who received mostly D's and F's (or in some cases, mostly C students) were more at-risk for several at-risk indicators (see Addendum 2).

The good news for NC 2010 Health Objectives, is that Durham County has achieved/ partially achieved/ or is showing improvement for reducing the percentage of middle and high school students who sniffed glue or spray containers, reducing cigarette smoking by middle school students, reducing cigarette smoking by high school students, decreasing the percentage of children grades 6-12 who begin smoking at age 11 or younger, decreasing the percentages of middle and high school students who have ever used any form of cocaine, increasing fruit and fruit juice consumption, and increasing vegetable consumption. Negative indicators exist for obesity, sexual intercourse, use of condoms (or lack thereof for sexually active students), alcohol consumption, and marijuana use.

**Initial Recommendations**

For middle schools, Durham County might examine more closely the behavior patterns related to diet, physical activity, and bullying. For high schools, further interventions might be developed for addressing alcohol and marijuana use and sexual activity. For both middle and high school populations, follow-up analyses may be in order to learn more about students' perceptions of gangs in Durham County.

## **Report Preparation**

This report was prepared by The Richard L. Hoffman Center for Assessment and Research Alliances (CARA) at Mars Hill College:

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## **An Overview of the Youth Risk Behavior Survey**

### **What is the Youth Risk Behavior Survey?**

The YRBS is a national school-based survey developed by the Centers for Disease Control and Prevention (CDC). First developed in 1990, the survey is typically administered to adolescent youth every two years to monitor health risk behaviors that contribute to deaths, disability, and social problems among youth in the United States. The CDC has grouped the behaviors often established during childhood and early adolescence into six general health risk areas:

- Alcohol and Drug Use
- Injury & Violence (including suicide)
- Tobacco Use
- Nutrition
- Physical Activity
- Sexual Risk Behaviors

### **Why conduct the Youth Risk Behavior Survey?**

Practicing healthy behaviors, such as maintaining a diet that is low in fat, high in fruit and vegetables, getting regular physical activity, and refraining from tobacco and alcohol use would prevent many premature deaths. With health-related behaviors beginning during childhood, a healthy lifestyle needs to be promoted before unhealthy behaviors become a habit. The Youth Risk Behavior Survey enables educators and program planners to:

- Determine the prevalence of health risk behaviors;
- Create awareness about priority health risk behaviors and related health problems;
- Plan and implement programming for responding to trends in health risk behaviors;
- Set program goals and objectives and monitor progress toward those goals; and
- Provide comparable national, state, and local data.

### **YRBS Limitations, Validity and Reliability**

Recognizing that data from the YRBS will be used to guide the development, implementation, and evaluation of interventions designed to prevent and reduce risky behaviors, it is important not only to understand how to interpret the findings, but also to have confidence in the validity and reliability of the data.

As with the statewide and national YRBS, the findings in this report are subject to several limitations. When interpreting comparisons between the 2007 and 2009 high school results, it should be considered that in 2007 the majority of respondents were ninth grade students whereas the 2009 respondents were 9 – 12<sup>th</sup> graders. The survey may not accurately reflect the behaviors among youth who attend private school, were home-schooled, or those who have dropped out of school. Studies conducted

among alternative education students and dropouts have shown a significantly higher incidence of behaviors that put children at risk.

One of the more significant limitations of the YRBS, whether conducted at the local, state, or national level, is that the data are self-reported by respondents, rather than the product of direct observation. However, direct observation of risk behaviors in young people would be difficult and random at best. Although there is the possibility that students, intentionally or unintentionally, may inaccurately report information, survey experts believe that the number of students responding more or less than the true value is probably about the same and balance each other out. In previous studies, test/re-test reliability for YRBS has been acceptable to high for most survey items; further, YRBS items have been revised through the years to improve reliability.

The YRBS solicits self-reported descriptive data on the who, what, when, and where of health risk behaviors across six major categories. What is lacking, however, is information on the how and why of a particular behavior. These are important areas for further investigation and are of great importance in developing and establishing effective interventions for reducing the prevalence of unhealthy behaviors among adolescents living in Durham County.

## **Durham County Surveys for Middle and High School Students**

For 2009, Durham County administered surveys for both middle and high school students. In all, the middle school survey included 72 questions covering demographics (i.e., age, gender, grade level, academic performance, and ethnicity); at-risk behaviors for personal safety, weapons, and violence; indicators of suicidal thoughts and actions; tobacco use; use of alcohol and other drugs; sexual activity and sexual education; nutrition, exercise and lifestyle; and perceptions of school as a safe place. See the complete middle school survey in Appendix A.

The high school survey contained 97 questions covering demographics (including height and weight questions used for calculating students' Body Mass Index and their perceptions of weight); at-risk behaviors for personal safety, weapons, violence, and abuse; indicators of suicidal thoughts and actions; tobacco use; use of alcohol, and other drugs; sexual activity and sexual education; nutrition, exercise and lifestyle; and perceptions of school as a safe place. As compared with the middle school survey, the high school YRBS included additional questions about tobacco, drug, and alcohol use; height and weight; and sexual activity. Moreover, the sections concerning tobacco, drugs & alcohol, and sexual activity are more detailed. See the complete high school survey in Appendix B.

## Demographics of Durham County Respondents for Middle and High School Surveys

A total of 949 students responded to the surveys in this report, 460 middle school respondents and 489 high school respondents. Similar to the sampling design of the State YRBS, Durham County participants were selected according to a stratified two-staged cluster design whereby all schools were initially included in the sample with individual classrooms selected with equal probability from each school. As such, classes were randomly selected from eleven Durham County middle schools and twelve Durham County high schools.

Tables 1 and 2 describe the demographic profile of middle and high school respondents, giving counts according to grade, race, and gender. Percentages are reported for demographic totals. For example, 15% of all middle school respondents were sixth grade females. These tables give actual counts of participants. However, Post-stratification weights were calculated in order to mathematically correct for over or under sampling with regard to race and gender. Chi-square tests of independence for race × gender × behavior were all inconclusive. Therefore, weights for race × behavior and gender × behavior were calculated in order to analyze race and gender contingencies. Both surveys were administered to high school and middle school students in Spring 2009. Parents of the surveyed students had the opportunity to opt out if they did not want their child to participate in the survey.

**Table 1. Middle School Demographics**  
Grade, Race, and Gender Counts

<u>Grade</u>	<u>Race</u>	<u># Female</u>	<u># Male</u>	<u># TOTAL</u>
6 <sup>th</sup>	African American	31	41	72
	Hispanic	17	12	29
	White	11	12	23
	Other	10	9	19
	<i>6<sup>th</sup> grade total</i>	<b>69 (15.0%)</b>	<b>74 (16.1%)</b>	<b>143 (31.1%)</b>
7 <sup>th</sup>	African American	27	22	49
	Hispanic	6	7	13
	White	16	17	33
	Other	9	6	15
	<i>7<sup>th</sup> grade total</i>	<b>58 (12.6%)</b>	<b>52 (11.3%)</b>	<b>110 (23.9%)</b>
8 <sup>th</sup>	African American	60	51	111
	Hispanic	13	16	29
	White	20	20	40
	Other	16	9	25
	<i>8<sup>th</sup> grade total</i>	<b>109 (23.7%)</b>	<b>96 (20.9%)</b>	<b>205 (44.6%)</b>
Other	African American	0	1	1
	Hispanic	0	1	1
	<i>Other totals</i>	<b>0 (0.0%)</b>	<b>2 (0.4%)</b>	<b>2 (0.4%)</b>
<b>TOTAL</b>		<b>236 (51.3%)</b>	<b>224 (48.7%)</b>	<b>460</b>
<i>Note. 460 total participants. Percentages calculated by dividing cells by the total number of respondents. For</i>				

example, 15% of all respondents were 6<sup>th</sup> grade females ( $69 \div 460 = 0.15$ ). Self-reported grades for Durham middle school students were as follows: mostly A's (35.3%), mostly B's (34.2%), mostly C's (16.6%), mostly D's (2.8%), mostly F's (1.5%), and none/not sure (9.6%).

**Table 2. High School Demographics**  
Grade, Race, and Gender Counts

<u>Grade</u>	<u>Age</u>	<u># Female</u>	<u># Male</u>	<u># TOTAL</u>
9 <sup>th</sup>	African American	44	36	80
	Hispanic	10	9	19
	White	20	26	46
	Other	11	10	21
	Undefined	0	1	1
	<i>9<sup>th</sup> grade totals</i>	<b>85 (17.4%)</b>	<b>82 (16.8%)</b>	<b>167 (34.1%)</b>
10 <sup>th</sup>	African American	43	21	64
	Hispanic	8	5	13
	White	7	5	12
	Other	4	7	11
	Undefined	1	0	1
	<i>10<sup>th</sup> grade totals</i>	<b>63 (12.9%)</b>	<b>38 (7.8%)</b>	<b>101 (20.7%)</b>
11 <sup>th</sup>	African American	46	16	62
	Hispanic	7	2	9
	White	24	17	41
	Other	9	6	15
	Undefined	0	2	2
	<i>11<sup>th</sup> grade totals</i>	<b>86 (17.6%)</b>	<b>42 (8.6%)</b>	<b>128 (26.2%)</b>
12 <sup>th</sup>	African American	30	23	53
	Hispanic	1	6	7
	White	8	11	19
	Other	6	6	12
	Undefined	1	0	1
	<i>12<sup>th</sup> grade totals</i>	<b>46 (9.4%)</b>	<b>46 (9.4%)</b>	<b>92 (18.8%)</b>
Ungraded/Other	Other	0	1	1
	<i>Other totals</i>	<b>0 (0.0%)</b>	<b>1 (0.5%)</b>	<b>1 (0.2%)</b>
<b>TOTAL</b>		<b>280 (57.3%)</b>	<b>209 (42.7%)</b>	<b>489</b>

*Note.* . 489 total participants. Percentages calculated by dividing cells by the total number of respondents. For example, 17.4% of all respondents were 9<sup>th</sup> grade females ( $85 \div 489 = 0.1738$ ). Self-reported grades for Durham high school students were as follows: mostly A's (22.2%), mostly B's (37.8%), mostly C's (26.8%), mostly D's (4.9%), mostly F's (2.2%), and none/not sure (6.1%).



## **2009 Analyses**

CARA first calculated the At-Risk percentages for 2009 Durham County middle and high school YRBSs. Then, the following differences in proportions were figured:

- 2009 Durham County & 2009 North Carolina Middle and High Schools
- 2009 Durham County & 2009 Central Region Middle and High Schools
- 2009 & 2007 Durham County Middle Schools
- 2009 & 2007 Durham County High Schools

Additionally, CARA constructed 95% confidence intervals for differences in proportions followed by Cohen's  $h$  for a measure of effect size for statistically significant confidence intervals. Race  $\times$  behavior and gender  $\times$  behavior contingencies were analyzed with crosstabs, the chi-square test, and standardized residuals. Body Mass Index and Perceptions of Weight percentages were calculated for high school students. Finally, 2009 Durham County findings from middle and high school surveys were compared with Healthy Carolinians 2010 objectives. See Appendix C for a technical explanation of analyses.

## **2009 Middle School Results**

Tables 3-68 give the results for 2009 YRBS analyses. These results include Durham, North Carolina, and Central Region percentages. Durham “Total” percentages are unweighted. Race/ethnicity and gender percentages reflect weighted computations. These tables also report significant race  $\times$  behavior and gender  $\times$  behavior contingencies that have standardized residuals greater than 1.99. Additionally, statewide and regional comparisons (i.e., differences in proportions, margins of error, significant confidence intervals, and measures of effect size) as well as 2009-2007 Durham comparisons are reported in tables 3-68. See Appendices D and E for cross-tabulation tables, chi-square results, and standardized residuals of statistically significant race and gender contingencies with standardized residuals greater than 1.99.

**Table 3. QN7 Among students who rode a bicycle, the percentage who never or rarely wore a bicycle helmet**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	71.4	370	76.2	2882	71.8	964
<b>Race/Ethnicity</b>						
Black	81.2	202	88	484	84.3	178
Hispanic/Latino	79.2	53	80.2	339	81.6	114
White	40.5	84	71.8	1686	64.3	532
Other	79.2	24	76.3	320	...	126
<b>Gender</b>						
Male	74.1	189	78.9	1505	73.6	519
Female	68.3	180	79.3	1374	69.6	444

#### Durham County Contingencies

Race × Behavior	Significant contingency, $\chi^2_{df=15}=73.7$ , $p<0.0001$ . White students, more than expected, wore helmets either sometimes or most of the time, standardized residuals = 2.6 and 3.3. <sup>1</sup>
Gender × Behavior	Inconclusive.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina	Durham is 4.8% less than North Carolina with a 7.0% margin of error. The confidence interval is <b>inconclusive</b> .
Durham-Central Region	Durham is 0.4% less than the Central Region with a 7.7% margin of error. The confidence interval is <b>inconclusive</b> .

#### Comparison between 2009 and 2007 Durham Results

2009 is 1.5% more than 2007 with a 9.4% margin of error. The confidence interval is **inconclusive**.

<sup>1</sup> See Appendix C for an explanation of “expected” frequencies.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 4. QN8 Percentage of students who never or rarely wore a seat belt when riding in a car**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	5.6	460	6.7	3468	6.9	1137
<b>Race/Ethnicity</b>						
Black	6.2	258	8.5	609	7.1	225
Hispanic/Latino	3.9	76	10.4	453	10.6	161
White	2.0	100	4.6	1958	4.0	596
Other	11.5	26	5.5	381	...	139
<b>Gender</b>						
Male	6.8	221	7.2	1732	7.7	571
Female	4.6	238	6.2	1732	6.2	565

**Durham County Contingencies**

Race × Behavior      Significant contingency,  $\chi^2_{df=12}=24.2$ ,  $p=0.019$ . White students, more than expected, always wear seatbelts, standardized residual=2.4.

Gender × Behavior      Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina      Durham is 1.1% less than North Carolina with a 3.2% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 1.3% less than the Central Region with a 3.7% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 7.4% less than 2007 with a 5.2% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 2.2 and 12.6 percentage points less than 2007. The effect size is small, *Cohen's h* = 0.26.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 5. QN9 Percentage of students who have ever ridden in a car or other vehicle driven by someone who had been recklessly speeding**

	<b>Durham</b>		<b>North Carolina</b>		<b>Central Region</b>	
	%	N*	%	N*	%	N*
<b>Total</b>	35.9	449	38.3	3167	36.5	862
<b>Race/Ethnicity</b>						
Black	39.5	253	39.2	531	38.7	155
Hispanic/Latino	33.3	75	39.9	416	41.6	125
White	32.6	95	38.2	1826	34.8	477
Other	32	25	35.4	336	...	95
<b>Gender</b>						
Male	41.1	214	40.5	1563	37.3	418
Female	30.9	236	36.1	1600	35.9	443
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	Durham is 2.4% less than North Carolina with a 6.8% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 0.6% less than the Central Region with a 7.8% margin of error. The confidence interval is <b>inconclusive</b> .					
<b>Comparison between 2009 and 2007 Durham Results</b>						
Not Applicable. Durham did not ask this question in 2007.						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 6. QN10 Percentage of students who ever rode in a car driven by someone who had been drinking alcohol**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	24.7	462	26.5	3469	26.1	1133
<b>Race/Ethnicity</b>						
Black	24.8	258	26.1	609	22.3	224
Hispanic/Latino	32.9	76	26.8	455	31.9	160
White	23.0	100	26.2	1960	24.8	596
Other	18.5	27	28.9	380	...	138
<b>Gender</b>						
Male	21.9	224	25.5	1735	24.2	571
Female	27.6	239	27.4	1730	28.2	561
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	Durham is 1.8% less than North Carolina with a 6.0% margin of error. The confidence interval is <b>inconclusive</b>					
Durham-Central Region	Durham is 1.4% less than the Central Region with a 6.7% margin of error. The confidence interval is <b>inconclusive</b> .					
<b>Comparison between 2009 and 2007 Durham Results</b>						
2009 is 1.4% less than 2007 with an 8.0% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 7. QN11 Percentage of students who ever carried a weapon, such as a gun, knife, or club**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	25.2	461	38.9	3461	35.8	1130
<b>Race/Ethnicity</b>						
Black	26.8	257	28.8	608	26.8	224
Hispanic/Latino	19.5	77	33.9	454	32.6	160
White	28.0	100	42.0	1957	38.3	595
Other	22.2	27	44.8	375	...	138
<b>Gender</b>						
Male	36.0	222	56.0	1731	24.2	571
Female	15.0	240	21.7	1725	28.2	561

#### Durham County Contingencies

Race × Behavior Inconclusive.

Gender × Behavior Significant contingency,  $\chi^2_{df=1}=27.1$ ,  $p<0.0001$ . Males were more likely than expected to carry weapons, standardized residual = 3.2.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina Durham is 13.7 % less than North Carolina with a 6.1% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is **significant**; therefore, Durham is between 7.6 and 19.8 percentage points less than North Carolina. The effect size is small, *Cohen's h* = 0.30.

Durham-Central Region Durham is 10.6 % less than the Central Region with a 6.9% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is **significant**; therefore, Durham is between 3.7 and 17.5 percentage points less than the Central Region. The effect size is small, *Cohen's h* = 0.23.

#### Comparison between 2009 and 2007 Durham Results

2009 is 3.5% less than 2007 with an 8.1% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 8. QN12 Percentage of students who have been threatened or injured by someone with a weapon on school property**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	6.3	461	4.7	3461	4.6	1133
<b>Race/Ethnicity</b>						
Black	5.5	256	4.6	605	5.0	222
Hispanic/Latino	5.2	77	2.6	453	2.5	159
White	5.1	99	4.9	1960	4.3	598
Other	11.1	27	5.8	377	...	138
<b>Gender</b>						
Male	9.5	222	6.5	1732	7.5	574
Female	2.9	238	3.0	1724	1.6	558

#### Durham County Contingencies

Race × Behavior Inconclusive.

Gender × Behavior Significant contingency,  $\chi^2_{df=1}=8.5$ ,  $p=0.003$ . Males were more likely than expected to have been threatened or injured with a weapon on school property, standardized residual = 2.0.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina Durham is 1.6% more than North Carolina with a 3.3% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 1.7% less than the Central Region with a 3.6% margin of error. The confidence interval is **inconclusive**.

#### Comparison between 2009 and 2007 Durham Results

2009 is 2.2% less than 2007 with a 4.8% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.



**Table 9. QN13 Percentage of students who have ever been in a physical fight**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	59.7	462	53.1	3457	52.7	1137
<b>Race/Ethnicity</b>						
Black	68.6	258	68.3	606	67.3	223
Hispanic/Latino	55.8	77	52.4	454	52.8	161
White	41.0	100	47.3	1954	45.7	598
Other	63.0	27	58.8	379	...	139
<b>Gender</b>						
Male	71.6	222	67.2	1728	66.0	574
Female	48.4	240	38.9	1724	39.0	562

**Durham County Contingencies**

Race × Behavior      Significant contingency,  $\chi^2_{df=3}=23.7$ ,  $p<0.0001$ . White students were less likely than expected to have been in a physical fight, standardized residual = 3.0.

Gender × Behavior      Significant contingency,  $\chi^2_{df=1}=25.1$ ,  $p<0.0001$ . Males were more likely than expected to have been in a physical fight, standardized residual = 2.3.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina      Durham is 6.6 % more than North Carolina with a 6.8% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 7.0% more than the Central Region with a 7.6% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 0.8% more than 2007 with a 9.0% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 10. QN14 Percentage of students who have ever been in a physical fight in which they were hurt and had to be treated by a doctor or nurse**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	5.2	463	5.2	3200	4.0	876
<b>Race/Ethnicity</b>						
Black	6.9	259	5.0	539	3.2	156
Hispanic/Latino	3.9	77	5.5	417	6.4	125
White	2.0	100	4.8	1843	3.1	486
Other	3.7	27	4.7	340	...	98
<b>Gender</b>						
Male	6.3	224	6.9	1582	5.6	428
Female	4.2	239	3.6	1613	2.5	447
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	The difference between Durham and North Carolina is 0.0% with a 3.1% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 1.2% more than the Central Region with a 3.4% margin of error. The confidence interval is <b>inconclusive</b> .					
<b>Comparison between 2009 and 2007 Durham Results</b>						
2009 is 4.5% less than 2007 with a 4.8% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 11. QN15 Percentage of students who did not go to school in the past 30 days because they felt unsafe**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	4.4	458	3.7	3201	4.0	876
<b>Race/Ethnicity</b>						
Black	6.7	255	3.5	537	5.1	156
Hispanic/Latino	2.6	77	4.6	416	3.9	127
White	0.0	99	3.4	1846	3.3	483
Other	3.7	27	4.4	341	...	99
<b>Gender</b>						
Male	4.5	220	3.8	1583	4.2	426
Female	4.2	238	3.6	1613	3.8	449

**Durham County Contingencies**

Race × Behavior	Inconclusive. Chi-square is significant but standardized residuals are less than 2.0.
Gender × Behavior	Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina	Durham is 0.7% more than North Carolina with a 2.8% margin of error. The confidence interval is <b>inconclusive</b> .
Durham-Central Region	Durham is 0.4% more than the Central Region with a 3.3% margin of error. The confidence interval is <b>inconclusive</b> .

**Comparison between 2009 and 2007 Durham Results**

2009 is 1.8% less than 2007 with a 4.1% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 12. QN16 Percentage of students who have had personal property stolen or deliberately damaged during the past 12 months on school property**

	<b>Durham</b>		<b>North Carolina</b>		<b>Central Region</b>	
	%	N*	%	N*	%	N*
<b>Total</b>	31.2	463	28.4	3478	32.9	1141
<b>Race/Ethnicity</b>						
Black	32.6	258	27.5	610	34.1	226
Hispanic/Latino	30.8	78	23.4	457	25.9	162
White	25.0	100	29.1	1964	33.9	599
Other	37.0	27	32.9	380	...	138
<b>Gender</b>						
Male	37.1	224	29.5	1738	34.8	574
Female	25.5	239	27.3	1735	30.7	566

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive. Chi-square is significant but standardized residuals are less than 2.0.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 2.8% more than North Carolina with a 6.4% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 1.7% less than the Central Region with a 7.2% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 4.7% less than 2007 with an 8.7% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 13. QN17 Percentage of students who have ever been bullied on school property**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	40.0	462	41.7	3473	39.9	1139
<b>Race/Ethnicity</b>						
Black	31.8	258	29.8	607	28.0	225
Hispanic/Latino	39.0	77	34.9	455	32.1	162
White	42.4	99	46.0	1964	46.0	598
Other	59.3	27	46.7	379	...	138
<b>Gender</b>						
Male	34.5	223	39.8	1737	38.1	572
Female	42.9	238	43.7	1731	41.7	566

**Durham County Contingencies**

Race × Behavior	Inconclusive. Chi-square is significant but standardized residuals are less than 2.0.
Gender × Behavior	Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina	Durham is 1.7% less than North Carolina with a 5.8% margin of error. The confidence interval is <b>inconclusive</b> .
Durham-Central Region	Durham is 0.1% more than the Central Region with a 6.5% margin of error. The confidence interval is <b>inconclusive</b> .

**Comparison between 2009 and 2007 Durham Results**

2009 is 11.2% more than 2007 with a 7.4% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 3.8 and 18.6 percentage points more than 2007. The effect size is small, *Cohen's h* = 0.24.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 14. QN18 Percentage of students who have ever been electronically bullied**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	19.3	460	21.4	3458	21.1	1131
<b>Race/Ethnicity</b>						
Black	18.0	256	19.6	603	19.8	222
Hispanic/Latino	13.0	77	17.6	455	19.4	160
White	23.0	100	23.5	1957	23.7	596
Other	25.9	27	19.6	377	...	138
<b>Gender</b>						
Male	13.1	222	14.7	1727	15.1	569
Female	24.9	237	28.2	1726	27.3	561

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Significant contingency,  $\chi^2_{df=2}=11.4$ ,  $p=0.003$ . Females were more likely than expected to have been electronically bullied, standardized residual=2.0.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 2.1% less than North Carolina with a 4.7% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 1.8% less than the Central Region with a 5.3% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

Not Applicable. Durham did not ask this question in 2007.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 15. QN19 Percentage of students who have seen other students bullied at school**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	83.8	419	74.3	3211	72.9	876
<b>Race/Ethnicity</b>						
Black	82.5	234	75.9	540	75.8	157
Hispanic/Latino	87.3	71	67.6	420	66.7	126
White	83.1	89	75.6	1849	73.8	484
Other	84.0	25	73.6	341	...	99
<b>Gender</b>						
Male	83.6	201	72.9	1592	71.3	428
Female	83.9	218	75.6	1614	74.5	447
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	Durham is 9.5 % more than North Carolina with a 4.7% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is <b>significant</b> ; therefore, Durham is between 4.8 and 14.2 percentage points more than North Carolina. The effect size is small, <i>Cohen's h</i> = 0.23.					
Durham-Central Region	Durham is 10.9 % more than the Central Region with a 5.6% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is <b>significant</b> ; therefore, Durham is between 5.3 and 16.5 percentage points more than the Central Region. The effect size is small, <i>Cohen's h</i> = 0.27.					
<b>Comparison between 2009 and 2007 Durham Results</b>						
Not Applicable. Durham did not ask this question in 2007.						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 16. QN20 Percentage of students, in the past 12 months, who have ever felt so sad or hopeless almost every day for two weeks or more that they stopped doing usual activities?**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	22.2	454	22.9	3401	21.4	1116
<b>Race/Ethnicity</b>						
Black	19.8	253	24.3	597	22.2	221
Hispanic/Latino	25.3	75	28.8	437	27.4	157
White	13.3	98	20.0	1930	18.3	586
Other	40.7	27	28.2	372	...	137
<b>Gender</b>						
Male	14.1	220	18.3	1698	18.1	559
Female	29.9	234	27.4	1698	24.8	556

#### Durham County Contingencies

Race × Behavior      Significant contingency,  $\chi^2_{df=3}=11.1$ ,  $p=0.011$ . Students of “other” race were more likely than expected to have felt so sad for two weeks straight that they stopped doing regular activities, standardized residual=2.3.

Gender × Behavior      Significant contingency,  $\chi^2_{df=1}=16.4$ ,  $p<0.0001$ . Females were more likely than expected to have felt so sad for two weeks straight that they stopped doing regular activities, standardized residual=2.5.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina      Durham is 0.7% less than North Carolina with a 5.2% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 0.8% more than the Central Region with a 5.8% margin of error. The confidence interval is **inconclusive**.

#### Comparison between 2009 and 2007 Durham Results

2009 is 2.2% less than 2007 with a 6.8% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.



**Table 17. QN21 Percentage of students who usually talk with teacher or other adult in this school when they feel sad, empty, hopeless, angry, or anxious**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	2.9	452	1.9	3072	1.4	833
<b>Race/Ethnicity</b>						
Black	4.4	251	2.1	515	2.1	146
Hispanic/Latino	0.0	76	2.8	397	3.3	120
White	0.0	98	1.2	1778	0.9	464
Other	1.0	25	3.7	325	...	92
<b>Gender</b>						
Male	2.8	218	1.4	1522	1.0	407
Female	3.0	233	2.1	1545	1.9	425

#### Durham County Contingencies

Race × Behavior Inconclusive.

Gender × Behavior Significant contingency,  $\chi^2_{df=7}=48.0$ ,  $p<0.0001$ . Males were more likely than expected to not feel sad, etc., standardized residual = 3.6 (**28% of males report that they do not feel sad, etc.**). Females were more likely than expected to talk to a friend or sibling when feeling sad, etc., standardized residual=2.9 (**55.8% of females report that they confide in a friend or sibling when feeling sad, etc.**).

#### Comparisons with Statewide and Regional Results

Durham-North Carolina Durham is 1.0% more than North Carolina with a 2.1% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 1.5% more than the Central Region with a 2.2% margin of error. The confidence interval is **inconclusive**.

#### Comparison between 2009 and 2007 Durham Results

Not Applicable. Durham did not ask this question in 2007.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 18. QN22 Percentage of students who have seriously considered killing themselves**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	20.1	459	19.2	3444	20.3	1129
<b>Race/Ethnicity</b>						
Black	20.4	255	21.7	605	22.8	224
Hispanic/Latino	18.2	77	21.6	449	22.2	158
White	15.3	98	16.4	1945	17.3	594
Other	28.6	28	26.7	378	...	138
<b>Gender</b>						
Male	16.3	221	16.0	1733	17.5	571
Female	23.6	237	22.4	1706	23.2	557

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive. Chi-square is significant but standardized residuals are less than 2.0.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 0.9% more than North Carolina with a 5.0% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 0.2% less than the Central Region with a 5.5% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 2.0% more than 2007 with a 6.4% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 19. QN23 Percentage of students who have ever made a plan about how they would kill themselves**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	15.5	460	13.4	3450	14.1	1132
<b>Race/Ethnicity</b>						
Black	14.0	258	15.9	603	16.5	224
Hispanic/Latino	15.8	76	11.4	455	11.2	161
White	13.1	99	12.1	1947	12.8	593
Other	25.9	27	19.3	378	...	138
<b>Gender</b>						
Male	11.8	221	11.5	1724	13.6	568
Female	18.8	239	15.3	1721	14.7	563

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive. Chi-square is significant but standardized residuals are less than 2.0.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 2.1% more than North Carolina with a 4.5% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 1.4% more than the Central Region with a 4.9% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 0.3% more than 2007 with a 5.9% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 20. QN24 Percentage of students who smoked a whole cigarette for the first time before age 11 years**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	4.2	454	6.3	3434	5.1	1125
<b>Race/Ethnicity</b>						
Black	3.2	250	5.1	605	3.6	223
Hispanic/Latino	6.7	75	7.3	452	8.1	161
White	2.1	97	5.6	1935	4.6	588
Other	3.8	26	9.0	376	...	138
<b>Gender</b>						
Male	5.9	220	7.0	1711	5.5	561
Female	2.6	234	5.5	1718	4.6	563
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	Durham is 2.1% less than North Carolina with a 2.2% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 0.9% less than the Central Region with a 2.5% margin of error. The confidence interval is <b>inconclusive</b> .					
<b>Comparison between 2009 and 2007 Durham Results</b>						
2009 is 0.2% more than 2007 with a 4.0% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 21. QN25 Percentage of students who smoked cigarettes on one or more of the past 30 days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	5.8	461	7.5	3467	5.1	1125
<b>Race/Ethnicity</b>						
Black	5.1	257	7.4	608	3.6	223
Hispanic/Latino	7.9	76	8.1	456	8.1	161
White	6.1	99	6.9	1958	4.6	588
Other	3.7	27	8.9	380	...	138
<b>Gender</b>						
Male	6.3	222	8.6	1733	5.5	561
Female	5.4	239	6.4	1729	4.6	563

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 1.7% less than North Carolina with a 2.8% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 0.7% less than the Central Region with a 3.0% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 4.5% less than 2007 with a 4.3% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 0.2 and 8.8 percentage points more than 2007. The effect size is small, *Cohen's h* = 0.17.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 22. QN26 Of those who have smoked, the percentage of students who tried to quit smoking in the past 12 months**

	Durham		North Carolina <sup>1</sup>		Central Region <sup>1</sup>	
	%	N*	%	N*	%	N*
Total	61.4	57	5.8	3448	5.2	1127
Race/Ethnicity						
Black	71.1	38	4.8	606	4.5	224
Hispanic/Latino	75.0	12	9.7	453	11.8	161
White	14	7	5.5	1947	4.7	591
Other	50.0	2	5.0	378	...	137
Gender						
Male	54.8	31	6.2	1721	5.8	565
Female	69.2	26	5.5	1723	4.6	561
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
Comparisons with Statewide and Regional Results <sup>1</sup>						
Durham-North Carolina	Comparison not made—it appears the wrong data were entered for the state.					
Durham-Central Region	Comparison not made—it appears the wrong data were entered for the region.					
Comparison between 2009 and 2007 Durham Results						
2009 is 7.3% more than 2007 with a 20.8% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 23. QN27 Percentage of students who have ever had a drink of alcohol, other than a few sips**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
Total	32.8	459	30.0	3254	28.7	1059
Race/Ethnicity						
Black	35.8	254	36.5	556	34.8	207
Hispanic/Latino	35.1	77	35.2	423	35.8	148
White	24.0	100	26.7	1859	23.9	566
Other	33.3	27	30.9	356	...	125
Gender						
Male	35.3	221	31.1	1616	30.4	529
Female	30.7	238	28.8	1634	27.0	529
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
Comparisons with Statewide and Regional Results						
Durham-North Carolina	Durham is 2.8% more than North Carolina with a 5.6% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 4.1% more than the Central Region with a 6.2% margin of error. The confidence interval is <b>inconclusive</b> .					
Comparison between 2009 and 2007 Durham Results						
2009 is 2.5% more than 2007 with a 7.3% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 24. QN28 Percentage of students who had their first drink of alcohol other than a few sips before age 11**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	13.1	457	11.0	3258	11.1	1071
<b>Race/Ethnicity</b>						
Black	12.1	256	13.3	564	12.2	213
Hispanic/Latino	22.7	75	13.8	421	16.0	150
White	3.1	97	8.8	1858	8.3	568
Other	19.2	26	14.9	355	...	126
<b>Gender</b>						
Male	15.3	222	12.0	1628	13.6	536
Female	11.1	234	10.0	1626	8.6	534

**Durham County Contingencies**

Race × Behavior	Significant contingency, $\chi^2_{df=18}=35.0$ , $p=0.01$ . Hispanics were more likely than expected to have had a first drink of alcohol at 8 years or younger, standardized residual =2.5.
Gender × Behavior	Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina	Durham is 2.1% more than North Carolina with a 4.0% margin of error. The confidence interval is <b>inconclusive</b> .
Durham-Central Region	Durham is 2.0% more than the Central Region with a 4.4% margin of error. The confidence interval is <b>inconclusive</b> .

**Comparison between 2009 and 2007 Durham Results**

2009 is 0.3% more than 2007 with a 5.3% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.



**Table 25. QN29 Percentage of students who usually got the alcohol they drank from someone who gave it to them during the past 30 days**

	<b>Durham</b>		<b>North Carolina</b>		<b>Central Region</b>	
	%	N*	%	N*	%	N*
<b>Total</b>	7.2	462	6.6	3426	5.9	1125
<b>Race/Ethnicity</b>						
Black	8.9	259	9.4	596	8.6	221
Hispanic/Latino	9.3	75	6.7	449	5.0	161
White	3.0	99	5.8	1944	4.5	594
Other	3.7	27	5.9	376	...	135
<b>Gender</b>						
Male	6.3	224	5.8	1715	5.7	565
Female	8.0	238	7.4	1708	6.1	559

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 0.6% more than North Carolina with a 3.1% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 1.3% more than the Central Region with a 3.3% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 1.0% more than 2007 with a 3.9% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 26. QN30 Percentage of students who have ever used marijuana**

	<b>Durham</b>		<b>North Carolina</b>		<b>Central Region</b>	
	%	N*	%	N*	%	N*
<b>Total</b>	13.3	459	9.5	3344	9.4	1095
<b>Race/Ethnicity</b>						
Black	16.0	257	13.7	584	12.5	216
Hispanic/Latino	9.2	76	12.6	437	11.0	154
White	8.1	99	7.5	1900	7.6	576
Other	14.8	27	8.8	362	...	133
<b>Gender</b>						
Male	14.6	219	11.1	1671	12.2	549
Female	12.1	240	7.9	1669	6.6	545
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	Durham is 3.8% more than North Carolina with a 4.2% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 3.9% more than the Central Region with a 4.5% margin of error. The confidence interval is <b>inconclusive</b> .					
<b>Comparison between 2009 and 2007 Durham Results</b>						
2009 is 2.1% less than 2007 with a 5.8% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 27. QN31 Percentage of students who tried marijuana for the first time before age 11 years**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	4.1	460	2.8	3352	3.3	1100
<b>Race/Ethnicity</b>						
Black	4.7	258	2.1	584	2.8	215
Hispanic/Latino	2.7	75	4.5	442	6.4	156
White	1.0	99	2.4	1902	2.4	579
Other	7.7	26	3.6	364	...	134
<b>Gender</b>						
Male	4.5	221	3.5	1678	4.3	552
Female	3.8	239	2.1	1670	2.2	547

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 1.3% more than North Carolina with a 2.4% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 0.8% more than the Central Region with a 2.7% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 3.3% less than 2007 with a 3.8% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 28. QN32 Percentage of students who used marijuana during the past 30 days**

	<b>Durham</b>		<b>North Carolina</b>		<b>Central Region</b>	
	%	N*	%	N*	%	N*
<b>Total</b>	4.8	456	5.0	3464	6.4	1133
<b>Race/Ethnicity</b>						
Black	5.1	256	6.1	606	5.8	224
Hispanic/Latino	2.7	75	6.2	453	8.1	160
White	3.0	100	4.0	1961	5.5	597
Other	7.7	26	6.6	378	...	137
<b>Gender</b>						
Male	4.6	218	5.3	1732	7.4	569
Female	5.0	238	4.6	1728	5.3	563

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 0.2% less than North Carolina with a 2.7% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 1.6% less than the Central Region with a 3.1% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 2.6% less than 2007 with a 3.9% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 29. QN33 Percentage of students who used marijuana during the past 30 days on school property**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	2.9	455	1.5	3464	1.8	1136
<b>Race/Ethnicity</b>						
Black	3.1	256	1.2	608	1.3	225
Hispanic/Latino	4.0	75	2.4	453	1.9	162
White	1.0	100	1.1	1957	1.8	596
Other	3.8	26	2.1	379	...	138
<b>Gender</b>						
Male	2.3	218	2.0	1731	2.3	569
Female	3.4	237	1.0	1729	1.4	566

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 1.4% more than North Carolina with a 2.0% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 1.1% more than the Central Region with a 2.2% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 0.4% less than 2007 with a 2.9% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 30. QN34 Percentage of students who ever used any form of cocaine, including powder, crack, or freebase**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	2.8	459	3.3	3473	4.4	1139
<b>Race/Ethnicity</b>						
Black	2.3	256	2.5	609	2.7	225
Hispanic/Latino	3.9	76	5.5	455	4.9	162
White	0.0	100	2.5	1962	4.5	598
Other	7.4	27	4.7	379	...	138
<b>Gender</b>						
Male	5.0	220	3.6	1736	5.9	573
Female	0.8	240	2.9	1733	2.8	565

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive. Chi-square is significant but standardized residuals are less than 2.0.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 0.5% less than North Carolina with a 2.1% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 1.6% less than North Carolina with a 2.5% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 1.1% less than 2007 with a 3.0% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 31. QN35 Percentage of students who ever sniffed glue, breathed the contents of spray cans, or inhaled any paints or sprays to get high**

	<b>Durham</b>		<b>North Carolina</b>		<b>Central Region</b>	
	%	N*	%	N*	%	N*
<b>Total</b>	12.2	458	12.3	3469	13.2	1137
<b>Race/Ethnicity</b>						
Black	11.7	256	13.3	609	13.3	226
Hispanic/Latino	2.0	75	12.3	456	11.8	161
White	12.1	99	10.7	1961	12.7	597
Other	14.8	27	19.1	376	...	137
<b>Gender</b>						
Male	13.2	219	10.9	1736	13.1	572
Female	11.3	239	13.8	1730	13.3	564

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 0.1% less than North Carolina with a 4.2% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 1.0% less than North Carolina with a 4.7% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 4.1% less than 2007 with a 5.9% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 32. QN36 Percentage of students who ever used steroid pills or shots without a doctor's prescription**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	2.0	458	1.9	3466	2.1	1136
<b>Race/Ethnicity</b>						
Black	1.6	255	1.3	608	0.9	225
Hispanic/Latino	2.6	76	2.0	457	1.9	162
White	0.0	100	1.8	1959	2.3	596
Other	3.7	27	2.9	378	...	138
<b>Gender</b>						
Male	2.3	220	2.1	1732	2.6	571
Female	1.7	240	1.7	1731	1.6	564

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 0.1% more than North Carolina with a 1.8% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 0.1% less than North Carolina with a 2.0% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 1.2% less than 2007 with a 2.7% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.



**Table 33. QN37 Percentage of students who have ever taken prescription drugs without a doctor's prescription**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	3.3	458	6.5	3466	6.6	1134
<b>Race/Ethnicity</b>						
Black	3.5	256	4.3	609	3.1	226
Hispanic/Latino	3.9	76	4.8	455	6.2	161
White	4.1	98	7.3	1958	7.6	594
Other	0.0	27	8.2	378	...	138
<b>Gender</b>						
Male	3.2	219	6.7	1731	7.1	567
Female	3.3	239	6.3	1731	6.2	566

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 3.2 % less than North Carolina with a 2.4% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is **significant**; therefore, Durham is between 0.8 and 5.6 percentage points less than North Carolina. The effect size is small, *Cohen's h* = 0.15.

Durham-Central Region Durham is 3.3 % less than the Central Region with a 2.9% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is **significant**; therefore, Durham is between 0.4 and 6.2 percentage points less than the Central Region. The effect size is small, *Cohen's h* = 0.15.

**Comparison between 2009 and 2007 Durham Results**

2009 is 0.6% less than 2007 with a 3.2% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 34. QN38 In the past 12 months, the percentage of students who have ever been offered, given, or sold drugs on school property**

	<b>Durham</b>		<b>North Carolina</b>		<b>Central Region</b>	
	%	N*	%	N*	%	N*
<b>Total</b>	10.6	457	8.8	3454	11.2	1129
<b>Race/Ethnicity</b>						
Black	10.2	255	6.9	606	10.3	223
Hispanic/Latino	13.2	76	11.9	455	10.6	160
White	7.1	99	8.1	1951	11.1	594
Other	15.4	26	10.4	376	...	137
<b>Gender</b>						
Male	14.7	218	10.4	1728	13.2	569
Female	6.7	238	7.1	1723	9.3	559

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive. Chi-square is significant but standardized residuals are less than 2.0.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 1.8% more than North Carolina with a 3.9% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 0.6% less than North Carolina with a 4.4% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 0.8% less than 2007 with a 5.3% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 35. QN39 Percentage of students who have ever been taught about abstaining from sexual activity**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	74.2	447	65.5	3387	70.0	1115
<b>Race/Ethnicity</b>						
Black	76.2	248	70.7	598	73.9	222
Hispanic/Latino	60.8	74	51.9	443	58.2	158
White	81.8	99	67.7	1920	72.4	587
Other	69.2	26	64.4	365	...	134
<b>Gender</b>						
Male	67.1	216	63.9	1691	67.3	559
Female	80.9	230	67.1	1693	72.6	555

#### Durham County Contingencies

Race × Behavior Inconclusive.

Gender × Behavior Significant contingency,  $\chi^2_{df=2}=11.7$ ,  $p=0.003$ . Males were more likely than expected to have not been taught about abstinence, standardized residual =2.0.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina Durham is 8.7 % more than North Carolina with a 5.6% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is **significant**; therefore, Durham is between 3.1 and 14.3 percentage points more than North Carolina. The effect size is small, *Cohen's h* = 0.19.

Durham-Central Region Durham is 4.2% more than the Central Region with a 6.2% margin of error. The confidence interval is **inconclusive**.

#### Comparison between 2009 and 2007 Durham Results

2009 is 12.4% more than 2007 with a 7.7% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 4.7 and 20.1 percentage points more than 2007. The effect size is small, *Cohen's h* = 0.27.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 36. QN40 Percentage of students who have ever been taught about AIDS or HIV infection in school**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	79.3	459	68.9	3459	75.9	1132
<b>Race/Ethnicity</b>						
Black	84.4	256	75.8	611	79.2	226
Hispanic/Latino	57.9	76	60.6	454	63.6	162
White	85.9	99	69.1	1952	78.2	593
Other	75.0	28	68.5	378	...	137
<b>Gender</b>						
Male	77.3	220	69.0	1728	75.7	567
Female	81.3	240	68.8	1728	76.1	564

**Durham County Contingencies**

Race × Behavior	Significant contingency, $\chi^2_{df=6}=33.0$ , $p<0.0001$ . Hispanics were more likely than expected to have <i>not</i> been taught (or not sure that they had been taught) about AIDS or HIV, standardized residuals=2.6 and 3.9.
Gender × Behavior	Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina	Durham is 10.4 % more than North Carolina with a 5.1% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is <b>significant</b> ; therefore, Durham is between 5.3 and 15.5 percentage points more than North Carolina. The effect size is small, <i>Cohen's h</i> = 0.24.
Durham-Central Region	Durham is 3.4% more than the Central Region with a 5.7% margin of error. The confidence interval is <b>inconclusive</b> .

**Comparison between 2009 and 2007 Durham Results**

2009 is 10.4% more than 2007 with a 7.1% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 3.3 and 17.5 percentage points more than 2007. The effect size is small, *Cohen's h* = 0.24.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 37. QN41 Percentage of students who have ever been taught about sexually transmitted diseases**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	58.8	458	48.8	3448	50.1	1125
<b>Race/Ethnicity</b>						
Black	64.2	254	59.4	606	61.3	225
Hispanic/Latino	44.7	76	38.5	455	44.1	161
White	62.0	100	49.0	1947	49.4	589
Other	50.0	26	44.7	374	...	135
<b>Gender</b>						
Male	56.9	218	46.6	1721	48.8	562
Female	60.7	239	50.9	1723	51.4	562

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 10.0 % more than North Carolina with a 6.1% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is **significant**; therefore, Durham is between 3.9 and 16.1 percentage points more than North Carolina. The effect size is small, *Cohen's h* = 0.20.

Durham-Central Region Durham is 8.7 % more than the Central Region with a 6.8% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is **significant**; therefore, Durham is between 1.9 and 15.5 percentage points less than the Central Region. The effect size is small, *Cohen's h* = 0.17.

**Comparison between 2009 and 2007 Durham Results**

2009 is 13.3% more than 2007 with an 8.2% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 5.1 and 21.5 percentage points more than 2007. The effect size is small, *Cohen's h* = 0.27.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 38. QN42 Percentage of students who usually talk with teacher or other adult in this school when they have questions about sexually transmitted diseases (STD), HIV, AIDS, or pregnancy prevention**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
Total	9.0	452	5.9	3164	6.2	861
Race/Ethnicity						
Black	9.6	251	8.3	532	7.9	151
Hispanic/Latino	5.3	75	7.0	417	6.4	125
White	9.1	99	5.3	1824	6.0	480
Other	11.5	26	5.3	333	...	97
Gender						
Male	10.1	218	5.9	1566	7.6	419
Female	7.7	234	6.0	1595	4.8	441
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive. Chi-square is significant but standardized residuals are less than 2.0.					
Comparisons with Statewide and Regional Results						
Durham-North Carolina	Durham is 3.1% more than North Carolina with a 3.5% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 2.8% more than the Central Region with a 3.9% margin of error. The confidence interval is <b>inconclusive</b> .					
Comparison between 2009 and 2007 Durham Results						
Not Applicable. Durham did not ask this question in 2007.						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 39. QN43 Percentage of students who described themselves as slightly or very overweight**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	22.4	455	25.7	3438	26.0	1127
<b>Race/Ethnicity</b>						
Black	20.3	256	24.8	604	24.07	223
Hispanic/Latino	26.0	73	26.6	448	22.9	157
White	19.8	96	28.9	377	...	138
Other	29.6	27	24.1	1720	23.9	566
<b>Gender</b>						
Male	19.5	220	24.1	1720	23.9	566
Female	25.1	235	27.2	1715	28.0	560

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 3.3% less than North Carolina with a 5.7% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 3.6% less than with a 6.4% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 4.2% less than 2007 with a 7.7% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 40. QN44 Percentage of students who were trying to lose weight**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	44.3	458	45.9	3451	45.3	1129
<b>Race/Ethnicity</b>						
Black	42.7	255	45.0	607	44.9	225
Hispanic/Latino	51.3	76	52.0	454	47.2	161
White	37.0	100	44.9	1949	44.8	591
Other	51.9	27	46.0	376	...	137
<b>Gender</b>						
Male	34.2	219	35.8	1720	34.3	566
Female	53.3	240	56.0	1727	56.4	562

**Durham County Contingencies**

Race × Behavior	Inconclusive. Chi-square is significant but standardized residuals are less than 2.0.
Gender × Behavior	Significant contingency, $\chi^2_{df=3}=18.2$ , $p<0.0001$ . Females were more likely than expected in trying to lose weight, standardized residuals=2.1.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina	Durham is 1.6% less than North Carolina with a 6.8% margin of error. The confidence interval is <b>inconclusive</b> .
Durham-Central Region	Durham is 1.0% less than the Central Region with a 7.5% margin of error. The confidence interval is <b>inconclusive</b> .

**Comparison between 2009 and 2007 Durham Results**

2009 is 0.9% less than 2007 with an 8.9% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.



**Table 41. QN45 Percentage of students who have ever exercised to lose weight or to keep from gaining weight**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	71.9	449	71.0	3431	71.0	1120
<b>Race/Ethnicity</b>						
Black	69.5	249	70.8	600	70.5	220
Hispanic/Latino	76.0	75	74.8	445	77.6	156
White	71.7	99	71.0	1944	71.1	591
Other	74.1	27	38.4	376	...	138
<b>Gender</b>						
Male	65.4	214	64.2	1714	64.1	563
Female	77.9	235	77.9	1713	77.9	556
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive. Chi-square is significant but standardized residuals are less than 2.0.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	Durham is 0.9% more than North Carolina with a 6.2 margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 0.9% more than the Central Region with a 6.9% margin of error. The confidence interval is <b>inconclusive</b> .					
<b>Comparison between 2009 and 2007 Durham Results</b>						
2009 is 8.2% more than 2007 with an 8.5% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 42. QN46 Percentage of students who have ever eaten less food, fewer calories, or foods low in fat to lose weight or to keep from gaining weight**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	47.1	456	46.4	3450	46.3	1131
<b>Race/Ethnicity</b>						
Black	45.5	255	43.3	603	44.6	224
Hispanic/Latino	41.3	75	51.9	449	53.5	159
White	44.9	98	46.2	1953	44.8	594
Other	63.0	27	47.2	377	...	138
<b>Gender</b>						
Male	38.1	218	35.8	1722	37.2	570
Female	55.5	238	56.8	1724	55.5	560

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive. Chi-square is significant but standardized residuals are less than 2.0.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 0.7% more than North Carolina with a 6.8 margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 0.8% more than the Central Region with a 7.6% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 4.2% more than 2007 with a 9.0% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 43. QN47 Percentage of students who have ever gone 24 hours or more without eating, to lose weight or to keep from gaining weight**

	<b>Durham</b>		<b>North Carolina</b>		<b>Central Region</b>	
	%	N*	%	N*	%	N*
<b>Total</b>	14.1	457	15.4	3190	13.6	869
<b>Race/Ethnicity</b>						
Black	12.6	254	18.5	535	16.2	154
Hispanic/Latino	18.7	75	18.7	417	19.0	126
White	9.1	99	13.9	1838	11.4	481
Other	21.4	28	15.4	338	...	98
<b>Gender</b>						
Male	9.1	219	11.1	1580	10.4	424
Female	18.5	238	19.7	1606	16.7	444

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive. Chi-square is significant but standardized residuals are less than 2.0.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 1.3% less than North Carolina with a 4.8 margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 0.5% more than the Central Region with a 5.5% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 1.9% less than 2007 with a 6.5% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 44. QN48 Percentage of students who have ever taken diet pills, powders, or liquids without a doctor's advice in order to lose weight or to keep from gaining weight**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
Total	4.8	455	4.9	3443	4.6	1127
Race/Ethnicity						
Black	4.3	254	5.3	602	4.5	224
Hispanic/Latino	4.0	75	6.9	449	9.4	159
White	5.1	98	4.4	1952	3.5	593
Other	7.4	27	4.3	374	...	136
Gender						
Male	4.6	217	3.7	1716	3.5	566
Female	5.0	238	6.1	1723	5.7	560
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
Comparisons with Statewide and Regional Results						
Durham-North Carolina	Durham is 0.1% less than North Carolina with a 2.9 margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 0.2% more than the Central Region with a 3.2% margin of error. The confidence interval is <b>inconclusive</b> .					
Comparison between 2009 and 2007 Durham Results						
2009 is 0.1% less than 2007 with a 3.9% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 45. QN49 Percentage of students who have ever vomited or taken laxatives in order to lose weight or to keep from gaining weight**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	6.8	457	5.3	3441	5.3	1123
<b>Race/Ethnicity</b>						
Black	6.3	256	6.5	600	7.2	222
Hispanic/Latino	5.3	75	6.7	447	7.0	157
White	2.0	99	4.3	1951	4.2	592
Other	18.5	27	6.6	378	...	138
<b>Gender</b>						
Male	6.4	220	4.0	1718	4.4	566
Female	7.2	237	6.6	1719	6.3	556

**Durham County Contingencies**

Race × Behavior	Significant contingency, $\chi^2_{df=3}=10.5$ , $p=0.015$ . Students of “other” races were more likely than expected to vomit or take laxatives in order to lose weight or to keep from gaining weight, standardized residual =2.7.
Gender × Behavior	Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina	Durham is 1.5% more than North Carolina with a 3.4 margin of error. The confidence interval is <b>inconclusive</b> .
Durham-Central Region	Durham is 1.5% more than the Central Region with a 3.7% margin of error. The confidence interval is <b>inconclusive</b> .

**Comparison between 2009 and 2007 Durham Results**

2009 is 1.4% less than 2007 with a 4.7% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 46. QN50 Percentage of students who have skipped meals during the past 30 days in order to lose weight or to keep from gaining weight**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	18.2	452	17.9	3153	17.1	861
<b>Race/Ethnicity</b>						
Black	16.2	253	17.0	530	15.0	153
Hispanic/Latino	20.0	75	24.8	412	23.6	123
White	12.5	96	16.8	1816	15.3	477
Other	33.3	27	16.8	334	...	98
<b>Gender</b>						
Male	13.9	216	10.9	1556	11.2	420
Female	22.1	235	24.6	1593	22.7	440

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive. Chi-square is significant but standardized residuals are less than 2.0.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 0.3% more than North Carolina with a 5.3 margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 1.1% more than the Central Region with a 6.1% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

Not Applicable. Durham did not ask this question in 2007.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 47. QN51 Percentage of students who ate breakfast on seven of the past seven days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	38.9	452	45.3	3423	48.9	1121
<b>Race/Ethnicity</b>						
Black	36.9	252	38.9	597	38.6	223
Hispanic/Latino	32.9	73	41.1	448	46.8	156
White	50.0	98	48.4	1935	54.1	588
Other	38.5	26	46.5	376	...	138
<b>Gender</b>						
Male	39.6	217	53.1	1700	56.6	560
Female	38.3	235	37.7	1721	41.3	560
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	Durham is 6.4 % less than North Carolina with a 5.5% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is <b>significant</b> ; therefore, Durham is between 0.9 and 11.9 percentage points less than North Carolina. The effect size is small, <i>Cohen's h</i> = 0.13.					
Durham-Central Region	Durham is 10.0 % less than the Central Region with a 6.1% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is <b>significant</b> ; therefore, Durham is between 3.9 and 16.1 percentage points less than the Central Region. The effect size is small, <i>Cohen's h</i> = 0.20.					
<b>Comparison between 2009 and 2007 Durham Results</b>						
2009 is 0.4% more than 2007 with a 6.1% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 48. QN52 Percentage of students who ate dinner prepared at home with their family on three or more of the past seven days**

	<b>Durham</b>		<b>North Carolina</b>		<b>Central Region</b>	
	%	N*	%	N*	%	N*
<b>Total</b>	84.4	455	87.9	3191	87.4	872
<b>Race/Ethnicity</b>						
Black	82.6	253	84.9	536	83.9	155
Hispanic/Latino	85.3	75	83.2	416	77.8	126
White	90.8	98	89.9	1840	90.5	482
Other	84.6	26	89.0	336	...	98
<b>Gender</b>						
Male	83.9	218	90.2	1574	89.1	423
Female	84.8	237	85.5	1613	85.9	448

#### **Durham County Contingencies**

Race × Behavior      Significant contingency,  $\chi^2_{df=21}=42.9$ ,  $p=0.003$ . White students were more likely than expected to eat at home six days per week, standardized residual =2.8.

Gender × Behavior      Inconclusive.

#### **Comparisons with Statewide and Regional Results**

Durham-North Carolina      Durham is 3.5% less than North Carolina with a 4.0% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 3.0% less than the Central Region with a 4.6% margin of error. The confidence interval is **inconclusive**.

#### **Comparison between 2009 and 2007 Durham Results**

2009 is 6.2% more than 2007 with a 4.9% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 1.3 and 11.1 percentage points more than 2007. The effect size is small, *Cohen's h* = 0.16.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.



**Table 49. QN53 Percentage of students who were physically active for a total of at least 60 minutes per day on five or more of the past seven days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	56.2	450	60.0	3440	58.4	1131
<b>Race/Ethnicity</b>						
Black	51.8	249	55.8	604	50.9	222
Hispanic/Latino	42.7	75	53.9	447	52.2	159
White	77.6	98	63.2	1946	63.9	593
Other	60.0	25	58.5	376	...	137
<b>Gender</b>						
Male	67.3	218	67.4	1716	67.0	567
Female	46.1	232	52.7	1720	49.6	563

**Durham County Contingencies**

Race × Behavior      Significant contingency,  $\chi^2_{df=21}=40.4$ ,  $p=0.007$ . White students were more likely than expected to engage in physical activity six days per week, standardized residual =2.5.

Gender × Behavior      Significant contingency,  $\chi^2_{df=7}=28.5$ ,  $p<0.0001$ . Males were more likely than expected to engage in physical activity 7 days per week, standardized residual =2.7.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina      Durham is 3.8% less than North Carolina with a 6.6% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 2.2% less than the Central Region with a 7.3% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 4.1% more than 2007 with an 8.7% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 50. QN54 Percentage of students who played on one or more sports teams during the past 12 months**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	64.4	449	61.5	3375	61.2	1107
<b>Race/Ethnicity</b>						
Black	63.9	249	61.6	581	63.0	216
Hispanic/Latino	48.6	72	50.9	444	48.4	157
White	77.0	100	64.8	1920	64.8	585
Other	66.7	27	56.2	363	...	133
<b>Gender</b>						
Male	74.5	216	65.7	1680	67.3	553
Female	54.9	233	57.4	1691	55.2	553

#### Durham County Contingencies

Race × Behavior      Significant contingency,  $\chi^2_{df=19}=34.4$ ,  $p=0.011$ . White students were more likely than expected to play on at least 3 teams; Hispanic students were more likely than expected to not play on any sports teams at all, standardized residuals =2.3 for both contingencies.

Gender × Behavior      Significant contingency,  $\chi^2_{df=6}=29.3$ ,  $p<0.0001$ . Males were more likely than expected to play on three or more teams; females were more likely to not play on a team at all, standardized residuals = 2.8 and 2.4.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina      Durham is 2.9% more than North Carolina with a 6.4% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 3.2% more than the Central Region with a 7.1% margin of error. The confidence interval is **inconclusive**.

#### Comparison between 2009 and 2007 Durham Results

2009 is 6.0% more than 2007 with an 8.5% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 51. QN55 Percentage of students who watched three or more hours per day of TV on an average school day**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	52.1	455	37.8	3445	36.1	1128
<b>Race/Ethnicity</b>						
Black	61.7	253	50.7	602	56.5	223
Hispanic/Latino	55.4	74	40.9	450	44.3	158
White	30.3	99	31.4	1954	26.9	595
Other	48.1	27	36.5	373	...	136
<b>Gender</b>						
Male	51.4	218	39.2	1715	35.6	567
Female	52.5	238	36.4	1726	36.4	560

#### Durham County Contingencies

Race × Behavior      Significant contingency,  $\chi^2_{df=18}=63.9$   $p<0.0001$ . Black students were more likely than expected to watch at least 5 hours of TV per day, standardized residual =2.9; white students were more likely than expected to watch 1 hour or less than 1 hour of TV per day, standardized residuals = 3.4 and 2.1.

Gender × Behavior      Inconclusive.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina      Durham is 14.3 % more than North Carolina with a 6.6% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is **significant**; therefore, Durham is between 7.7 and 20.9 percentage points more than North Carolina. The effect size is small, *Cohen's h* = 0.29.

Durham-Central Region      Durham is 16.0 % more than the Central Region with a 7.2% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is **significant**; therefore, Durham is between 8.8 and 23.2 percentage points more than the Central Region. The effect size is small, *Cohen's h* = 0.32.

#### Comparison between 2009 and 2007 Durham Results

2009 is 1.8% more than 2007 with an 8.7% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 52. QN56 Percentage of students who played video or computer games or used a computer for something that was not school work three or more hours per day on an average school day**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	32.5	455	25.6	3431	23.4	1121
<b>Race/Ethnicity</b>						
Black	36.9	252	33.7	596	29.0	217
Hispanic/Latino	42.1	76	22.4	451	26.1	161
White	19.2	99	23.9	1944	20.1	592
Other	25.9	27	25.9	374	...	136
<b>Gender</b>						
Male	36.6	216	27.3	1704	23.8	559
Female	28.3	237	23.9	1723	23.0	561

#### Durham County Contingencies

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina Durham is 6.9 % more than North Carolina with a 6.1% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is **significant**; therefore, Durham is between 0.8 and 13.0 percentage points more than North Carolina. The effect size is small, *Cohen's h* = 0.15.

Durham-Central Region Durham is 9.1 % more than the Central Region with a 6.7% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is **significant**; therefore, Durham is between 2.4 and 15.8 percentage points more than the Central Region. The effect size is small, *Cohen's h* = 0.20.

#### Comparison between 2009 and 2007 Durham Results

2009 is 3.6% more than 2007 with an 8.0% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 53. QN57 Percentage of students who watch TV, play video games, or use a computer for something that is not school work three or more hours per day on an average Saturday or Sunday**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	64.2	453	56.3	3160	55.0	855
<b>Race/Ethnicity</b>						
Black	64.8	253	64.2	522	63.0	146
Hispanic/Latino	69.4	72	52.1	413	58.9	124
White	61.0	100	54.6	1830	52.1	478
Other	61.5	26	58.9	333	...	96
<b>Gender</b>						
Male	67.9	218	57.4	1559	55.9	417
Female	60.3	237	55.3	1897	54.0	437
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	Durham is 7.9 % more than North Carolina with a 6.4% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is <b>significant</b> ; therefore, Durham is between 1.5 and 14.3 percentage points more than North Carolina. The effect size is small, <i>Cohen's h</i> = 0.16.					
Durham-Central Region	Durham is 9.2 % more than the Central Region with a 7.4% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is <b>significant</b> ; therefore, Durham is between 1.8 and 16.6 percentage points more than the Central Region. The effect size is small, <i>Cohen's h</i> = 0.19.					
<b>Comparison between 2009 and 2007 Durham Results</b>						
Not Applicable. Durham did not ask this question in 2007.						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 54. QN58 Percentage of students who usually walk or ride their bike to school one or more days per week**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	21.3	456	18.7	3426	19.9	1124
<b>Race/Ethnicity</b>						
Black	25.7	257	27.6	597	26.9	223
Hispanic/Latino	14.9	74	23.7	451	26.3	160
White	8.2	98	14.6	1940	14.9	581
Other	33.3	27	19.6	372	...	136
<b>Gender</b>						
Male	21.3	221	20.2	1712	21.3	567
Female	21.3	235	17.1	1710	18.3	556

**Durham County Contingencies**

Race × Behavior      Significant contingency,  $\chi^2_{df=15}=31.4$ ,  $p=0.008$ . Students of “other” race were more likely than expected to walk or ride a bike to school one day a week, standardized residual =2.2.

Gender × Behavior      Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina      Durham is 2.6% more than North Carolina with a 5.4% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 1.4% more than the Central Region with a 6.0% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 2.3% less than 2007 with a 7.2% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 55. QN59 Percentage of students who most of the time or always wear sunscreen with an SPF of 15 or higher when they are outside for more than one hour on a sunny day**

	<b>Durham</b>		<b>North Carolina</b>		<b>Central Region</b>	
	<b>%</b>	<b>N*</b>	<b>%</b>	<b>N*</b>	<b>%</b>	<b>N*</b>
<b>Total</b>	11.6	455	12.0	3158	12.6	863
<b>Race/Ethnicity</b>						
Black	8.7	254	7.3	531	7.8	154
Hispanic/Latino	5.3	75	7.3	410	7.9	127
White	23.2	99	14.3	1828	15.1	476
Other	10.7	28	12.7	331	...	96
<b>Gender</b>						
Male	11.0	219	9.7	1559	11.0	420
Female	12.3	235	14.3	1595	14.3	442

#### **Durham County Contingencies**

Race × Behavior      Significant contingency,  $\chi^2_{df=12}=42.8$ ,  $p<0.0001$ . White students were more likely than expected to wear sun screen most of the time or always, standardized residuals =2.7 and 2.2.

Gender × Behavior      Inconclusive.

#### **Comparisons with Statewide and Regional Results**

Durham-North Carolina      Durham is 0.4% less than North Carolina with a 3.6% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 1.0% less than the Central Region with a 4.2% margin of error. The confidence interval is **inconclusive**.

#### **Comparison between 2009 and 2007 Durham Results**

2009 is 2.6% more than 2007 with a 4.5% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 56. QN60 Percentage of students who get eight or more hours of sleep on an average school night**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	51.1	452	57.6	3430	56.0	1129
<b>Race/Ethnicity</b>						
Black	49.2	256	53.6	597	51.1	223
Hispanic/Latino	50.7	73	59.1	447	56.6	159
White	63.3	98	59.0	1948	58.6	594
Other	38.5	26	55.5	373	...	137
<b>Gender</b>						
Male	55.0	218	58.8	1709	58.3	566
Female	47.0	236	56.6	1717	53.6	562
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	Durham is 6.5 % less than North Carolina with a 5.6% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is <b>significant</b> ; therefore, Durham is between 0.9 and 12.1 percentage points less than North Carolina. The effect size is small, <i>Cohen's h</i> = 0.13.					
Durham-Central Region	Durham is 4.9% less than the Central Region with a 6.2% margin of error. The confidence interval is <b>inconclusive</b> .					
<b>Comparison between 2009 and 2007 Durham Results</b>						
2009 is 6.1% more than 2007 with a 7.4% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.



**Table 57. QN61 Percentage of students who consider themselves to have a disability**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	13.7	453	12.0	3153	13.8	860
<b>Race/Ethnicity</b>						
Black	12.6	253	11.1	531	51.1	223
Hispanic/Latino	5.6	72	12.9	412	56.6	159
White	14.1	99	11.0	1818	58.6	594
Other	25.9	27	16.6	332	...	137
<b>Gender</b>						
Male	12.8	218	10.7	1559	58.3	566
Female	14.5	235	13.1	1590	53.6	562

**Durham County Contingencies**

Race × Behavior      Significant contingency,  $\chi^2_{df=9}=26.1$ ,  $p=0.002$ . Hispanic students were more likely than expected to report that they were not sure if they had a disability, standardized residual =3.5.

Gender × Behavior      Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina      Durham is 1.7% more than North Carolina with a 4.6% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 0.1% less than the Central Region with a 5.4% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 0.7% more than 2007 with a 6.1% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 58. QN62 Percentage of students who are alone without a parent or adult three or more hours on an average school day**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	25.4	452	15.0	3162	17.5	864
<b>Race/Ethnicity</b>						
Black	32.0	253	21.7	530	27.7	155
Hispanic/Latino	11.0	73	13.2	417	13.5	126
White	21.0	100	13.5	1824	15.1	477
Other	20.0	25	14.5	330	...	95
<b>Gender</b>						
Male	24.0	217	15.7	1563	17.1	422
Female	26.8	235	14.2	1595	17.9	441

#### Durham County Contingencies

Race × Behavior      Significant contingency,  $\chi^2_{df=18}=34.0$ ,  $p=0.013$ . White students were more likely than expected to report that they were home alone for two hours a day, standardized residual=2.1.

Gender × Behavior      Inconclusive.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina      Durham is 10.4 % more than North Carolina with a 5.8% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is **significant**; therefore, Durham is between 4.6 and 16.2 percentage points more than North Carolina. The effect size is small, *Cohen's h* = 0.26.

Durham-Central Region      Durham is 7.9 % more than the Central Region with a 6.5% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is **significant**; therefore, Durham is between 1.4 and 14.4 percentage points more than the Central Region. The effect size is small, *Cohen's h* = 0.19.

#### Comparison between 2009 and 2007 Durham Results

2009 is 3.1% less than 2007 with a 7.9% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 59. QN63 Percentage of students who participate in extracurricular activities other than sports**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	53.7	443	52.4	3115	47.5	851
<b>Race/Ethnicity</b>						
Black	55.5	247	50.9	519	43.3	150
Hispanic/Latino	22.2	72	42.9	403	43.3	120
White	65.7	99	55.3	1802	50.8	474
Other	65.4	26	49.7	332	...	97
<b>Gender</b>						
Male	54.5	211	47.7	1529	46.1	412
Female	52.8	233	56.9	1583	48.9	438

**Durham County Contingencies**

Race × Behavior	Significant contingency, $\chi^2_{df=3}=35.9$ , $p<0.0001$ . Hispanic students were more likely than expected to not participate in non-sporting extracurricular activities, standardized residual =3.8.
Gender × Behavior	Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina	Durham is 1.3% more than North Carolina with a 6.8% margin of error. The confidence interval is <b>inconclusive</b> .
Durham-Central Region	Durham is 6.2% more than the Central Region with a 7.9% margin of error. The confidence interval is <b>inconclusive</b> .

**Comparison between 2009 and 2007 Durham Results**

2009 is 7.5% less than 2007 with an 8.9% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 60. QN64 Percentage of students who last saw a doctor or nurse for a check-up or physical exam when they were not sick or injured during the past 12 months**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	59.8	453	58.1	3432	60.2	1127
<b>Race/Ethnicity</b>						
Black	62.8	253	55.4	603	55.6	225
Hispanic/Latino	43.1	72	49.1	450	48.1	160
White	71.7	99	61.9	1941	65.7	592
Other	50.0	26	54.3	372	...	135
<b>Gender</b>						
Male	59.4	219	59.1	1708	61.5	564
Female	60.3	234	57.2	1720	59.1	562

#### Durham County Contingencies

Race × Behavior      Significant contingency,  $\chi^2_{df=12}=31.0$ ,  $p=0.002$ . Hispanic students were more likely than expected to have *never* seen a doctor or nurse or to have not seen a doctor or nurse within the past 24 months, standardized residuals=2.5 and 2.3.

Gender × Behavior      Inconclusive.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina      Durham is 1.7% more than North Carolina with a 6.6% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 0.4% less than the Central Region with a 7.3% margin of error. The confidence interval is **inconclusive**.

#### Comparison between 2009 and 2007 Durham Results

2009 is 6.5% more than 2007 with an 8.9% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 61. QN65 Percentage of students who last saw a dentist for a check-up, exam, teeth cleaning, or other dental work during the past 12 months**

	<b>Durham</b>		<b>North Carolina</b>		<b>Central Region</b>	
	%	N*	%	N*	%	N*
<b>Total</b>	65.6	453	62.9	3422	66.6	1124
<b>Race/Ethnicity</b>						
Black	59.7	253	48.7	597	55.2	223
Hispanic/Latino	47.9	73	48.4	450	48.1	160
White	85.9	99	71.7	1940	76.9	593
Other	76.9	26	55.3	369	...	133
<b>Gender</b>						
Male	63.5	219	63.2	1703	66.3	563
Female	67.7	234	62.6	1715	67.0	560

#### **Durham County Contingencies**

Race × Behavior      Significant contingency,  $\chi^2_{df=12}=52.8$ ,  $p<0.0001$ . White students were more likely than expected to have had a dental check-up within the past 12 months, standardized residual =2.6; Hispanic students were more likely than expected to have never had a dental check-up, standardized residual =3.9.

Gender × Behavior      Inconclusive.

#### **Comparisons with Statewide and Regional Results**

Durham-North Carolina      Durham is 2.7% more than North Carolina with a 6.4% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 1.0% less than the Central Region with a 7.1% margin of error. The confidence interval is **inconclusive**.

#### **Comparison between 2009 and 2007 Durham Results**

2009 is 12.3% more than 2007 with an 8.7% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 3.6 and 21.0 percentage points more than 2007. The effect size is small, *Cohen's h* = 0.25.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 62. QN66 Percentage of students who had ever been told by a doctor or nurse that they had asthma**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	23.0	448	19.4	3378	18.8	1109
<b>Race/Ethnicity</b>						
Black	29.6	247	24.6	585	21.7	217
Hispanic/Latino	9.6	73	14.3	441	15.4	156
White	16.2	99	18.8	154	18.6	586
Other	23.1	26	22.3	368	...	134
<b>Gender</b>						
Male	23.3	215	21.1	1675	21.5	554
Female	22.7	233	17.8	1700	16.2	554

**Durham County Contingencies**

Race × Behavior      Significant contingency,  $\chi^2_{df=6}=16.9$ ,  $p=0.01$ . Black students were more likely than expected to have been told by a doctor or a nurse that they have asthma, standardized residual =2.2.

Gender × Behavior      Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina      Durham is 3.6% more than North Carolina with a 5.7% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 4.2% more than the Central Region with a 6.2% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 0.6% less than 2007 with a 7.5% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 63. QN67 Percentage of students who had been told by a doctor or nurse that they had asthma and who still have asthma**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	19.3	451	11.2	3353	12.0	1104
<b>Race/Ethnicity</b>						
Black	25.6	250	15.5	580	17.1	217
Hispanic/Latino	9.6	73	7.8	434	9.7	154
White	9.1	99	10.7	1910	11.0	584
Other	22.2	27	10.7	366	...	133
<b>Gender</b>						
Male	17.6	216	11.5	1664	12.5	553
Female	20.9	235	10.8	1687	11.5	550

#### Durham County Contingencies

Race × Behavior      Significant contingency,  $\chi^2_{df=9}=26.0$ ,  $p=0.002$ . Black students were more likely than expected to still have asthma, standardized residual =2.3.

Gender × Behavior      Inconclusive.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina      Durham is 8.2 % more than North Carolina with a 5.2% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is **significant**; therefore, Durham is between 2.9 and 13.3 percentage points more than North Carolina. The effect size is small, *Cohen's h* = 0.23.

Durham-Central Region      Durham is 7.3 % more than the Central Region with a 5.6% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is **significant**; therefore, Durham is between 1.7 and 12.9 percentage points more than the Central Region. The effect size is small, *Cohen's h* = 0.20.

#### Comparison between 2009 and 2007 Durham Results

Not Applicable. Durham did not ask this question in 2007.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 64. QN68 Percentage of students who strongly agree or agree that they feel alone in their lives**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	18.9	450	16.7	3131	16.1	850
<b>Race/Ethnicity</b>						
Black	15.5	252	18.3	524	17.8	152
Hispanic/Latino	27.4	73	19.3	414	17.7	124
White	11.2	98	14.7	1806	14.3	476
Other	34.6	26	21.3	328	...	94
<b>Gender</b>						
Male	15.7	216	15.4	1549	14.9	416
Female	21.9	233	18.0	1578	17.3	433

**Durham County Contingencies**

Race × Behavior      Significant contingency,  $\chi^2_{df=12}=27.0$ ,  $p=0.008$ . Students of “other” races were more likely than expected to strongly agree that they feel alone, standardized residual =2.2; Hispanic students were more likely than expected to agree that they feel alone, standardized residual =2.4.

Gender × Behavior      Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina      Durham is 2.2% more than North Carolina with a 5.1% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 2.8% more than the Central Region with a 5.8% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 3.3% less than 2007 with a 6.9% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.



**Table 65. QN69 Percentage of students who strongly agree or agree that they feel good about themselves**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	77.9	443	75.6	3383	76.1	1105
<b>Race/Ethnicity</b>						
Black	82.1	251	79.7	591	79.1	220
Hispanic/Latino	67.6	71	74.5	443	78.5	158
White	80.6	98	75.5	1914	75.5	579
Other	68.0	25	70.7	369	...	132
<b>Gender</b>						
Male	84.0	212	81.4	1679	82.3	554
Female	72.0	232	69.9	1700	70.0	550

**Durham County Contingencies**

Race × Behavior      Significant contingency,  $\chi^2_{df=12}=24.5$   $p=0.017$ . White students agree, more than expected, that they feel good about themselves, standardized residual =2.3; Hispanic students disagreed, more than expected, that they feel good about themselves, standardized residual =2.5.

Gender × Behavior      Significant contingency,  $\chi^2_{df=4}=30.4$   $p<0.0001$ . Males were more likely than expected to strongly agree that they feel good about themselves, standardized residual =2.9.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina      Durham is 2.3% more than North Carolina with a 5.4% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 1.8% more than the Central Region with a 6.1% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 0.1% more than 2007 with a 7.1% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 66. QN70 Percentage of students who strongly agree or agree that their teachers really care about them and give them a lot of encouragement**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	67.1	450	58.6	3155	58.2	859
<b>Race/Ethnicity</b>						
Black	64.8	253	57.1	527	54.5	154
Hispanic/Latino	61.1	72	54.7	413	58.5	123
White	76.5	98	60.3	1821	60.8	474
Other	70.4	27	56.8	333	...	97
<b>Gender</b>						
Male	65.3	216	58.1	1553	58.7	416
Female	68.5	235	59.2	1598	57.9	442
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	Durham is 8.5 % more than North Carolina with a 6.1% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is <b>significant</b> ; therefore, Durham is between 2.4 and 14.6 percentage points more than North Carolina. The effect size is small, <i>Cohen's h</i> = 0.18.					
Durham-Central Region	Durham is 8.9 % more than the Central Region with a 7.2% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is <b>significant</b> ; therefore, Durham is between 1.7 and 16.1 percentage points more than the Central Region. The effect size is small, <i>Cohen's h</i> = 0.18.					
<b>Comparison between 2009 and 2007 Durham Results</b>						
Not Applicable. Durham did not ask this question in 2007.						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 67. QN71 Percentage of students who strongly agree or agree that drugs are a problem at their school**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	30.4	448	28.7	3133	29.5	854
<b>Race/Ethnicity</b>						
Black	26.1	249	28.9	522	32.7	153
Hispanic/Latino	37.0	73	37.0	413	32.8	125
White	33.3	99	26.4	1809	28.0	471
Other	33.3	27	30.7	329	...	94
<b>Gender</b>						
Male	29.2	212	29.6	1542	30.4	415
Female	31.4	236	27.8	1587	28.5	438

**Durham County Contingencies**

Race × Behavior      Significant contingency,  $\chi^2_{df=12}=23.6$   $p=0.023$ . White students were more likely than expected to agree that drugs are a problem at school, standardized residual = 2.9.

Gender × Behavior      Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina      Durham is 1.7% more than North Carolina with a 6.0% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 0.9% more than the Central Region with a 6.9% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 1.7% less than 2007 with an 8.0% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 68. QN72 Percentage of students who strongly agree or agree that gangs are a problem at their school**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	37.2	438	29.1	3102	29.4	844
<b>Race/Ethnicity</b>						
Black	38.6	241	42.7	522	41.8	153
Hispanic/Latino	40.1	71	35.0	406	36.9	122
White	33.7	98	23.6	1791	24.4	467
Other	30.8	26	29.0	324	...	91
<b>Gender</b>						
Male	42.2	206	30.2	1533	28.1	413
Female	32.6	233	28.1	1565	30.7	430
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	Durham is 8.1 % more than North Carolina with a 6.3% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is <b>significant</b> ; therefore, Durham is between 1.8 and 14.4 percentage points more than North Carolina. The effect size is small, <i>Cohen's h</i> = 0.17.					
Durham-Central Region	Durham is 7.8 % more than the Central Region with a 7.2% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is <b>significant</b> ; therefore, Durham is between 0.6 and 15.0 percentage points more than the Central Region. The effect size is small, <i>Cohen's h</i> = 0.17.					
<b>Comparison between 2009 and 2007 Durham Results</b>						
Not Applicable. Durham did not ask this question in 2007.						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

## Summaries of Middle School Results

Summary tables document significant findings for race  $\times$  behavior and gender  $\times$  behavior contingencies, statewide and regional comparisons, and 2009-2007 comparisons.

### *Race $\times$ Behavior Contingencies*

Tables 69-72 report race  $\times$  behavior contingencies for black, Hispanic, white, and middle school students of other races (e.g., American Indian, Asian, and mixed races). See Appendix D for cross-tabulation tables, chi-square results, and standardized residuals.

**Table 69. Significant Race  $\times$  Behavior Contingencies, Black Middle School Students**

- Black students were more likely than expected to watch at least 5 hours of TV per day
- Black students were more likely than expected to have been told by a doctor or a nurse that they have asthma
- Black students were more likely than expected to still have asthma

**Table 70. Significant Race  $\times$  Behavior Contingencies, Hispanic Middle School Students**

- Hispanic students were more likely than expected to have had a first drink of alcohol at 8 years or younger
- Hispanic students were more likely than expected to have not been taught (or not sure that they had been taught) about AIDS or HIV
- Hispanic students were more likely than expected to not play on any sports teams at all
- Hispanic students were more likely than expected to report that they were not sure if they had a disability
- Hispanic students were more likely than expected to not participate in non-sporting extracurricular activities
- Hispanic students were more likely than expected to have never seen a doctor or nurse or to have not seen a doctor or nurse within the past 24 months
- Hispanic students were more likely than expected to have never had a dental check-up
- Hispanic students were more likely than expected to agree that they feel alone
- Hispanic students disagreed, more than expected, that they feel good about themselves

**Table 71. Significant Race  $\times$  Behavior Contingencies, White Middle School Students**

- White students, more than expected, wore helmets either sometimes or most of the time
- White students, more than expected, always wear seatbelts
- White students were less likely than expected to have been in a physical fight
- White students were more likely than expected to eat at home six days per week
- White students were more likely than expected to engage in physical activity six days per week
- White students were more likely than expected to play on at least 3 teams
- White students were more likely than expected to watch 1 hour or less than 1 hour of TV per day
- White students were more likely than expected to wear sun screen most of the time or always
- White students were more likely than expected to report that they were home alone for two hours a day
- White students were more likely than expected to have had a dental check-up within the past 12 months
- White students, more than expected, agreed that they feel good about themselves
- White students were more likely than expected to agree that drugs are a problem at school

**Table 72. Significant Race × Behavior Contingencies, Middle School Students of Other Races**

- Students of “other” race were more likely than expected to have felt so sad for two weeks straight that they stopped doing regular activities
- Students of “other” races were more likely than expected to vomit or take laxatives in order to lose weight or to keep from gaining weight
- Students of “other” race were more likely than expected to walk or ride a bike to school one day a week
- Students of “other” races were more likely than expected to strongly agree that they feel alone

*Gender × Behavior Contingencies*

Tables 73 and 74 report the gender × behavior contingencies for middle school males and females. See Appendix E for cross-tabulation tables, chi-square results, and standardized residuals.

**Table 73. Significant Gender × Behavior Contingencies, Middle School Males**

- Males were more likely than expected to carry weapons
- Males were more likely than expected to have been threatened or injured with a weapon on school property
- Males were more likely than expected to have been in a physical fight
- With regard to who students confide in when faced with debilitating sadness, males were more likely than expected to not feel sad
- Males were more likely than expected to have not been taught about sexual abstinence
- Males were more likely than expected to engage in physical activity 7 days per week
- Males were more likely than expected to play on three or more teams
- Males were more likely than expected to strongly agree that they feel good about themselves

**Table 74. Significant Gender × Behavior Contingencies, Middle School Females**

- Females were more likely than expected to have been electronically bullied
- Females were more likely than expected to have felt so sad for two weeks straight that they stopped doing regular activities
- With regard to who students confide in when faced with debilitating sadness females were more likely than expected to talk to a friend or sibling when feeling sad
- Females were more likely than expected to have tried to lose weight
- Females were more likely to not play on a team at all

### *Durham-North Carolina Comparisons*

Tables 75 and 76 summarize the significant comparisons between Durham and North Carolina. Table 75 documents the cases in which Durham was more at risk than North Carolina; Table 76 reports the YRBS items in which Durham was less at risk than the state.

**Table 75. Durham “More At-Risk” than North Carolina**

- Ate breakfast on 7 of the past 7 days: Durham is 0.9 to 11.9 percentage points less than NC.St
- Students who have seen other students bullied at school: Durham is 4.8 to 14.2 percentage points more than North Carolina.
- Watched 3+ hours per day of TV on an average school day: Durham is 7.7% to 20.9% more than NC.
- Played video or computer games or used a computer for something that was not school work 3+ hours per day on an average school day: Durham is 0.8% to 13.0% more than NC.
- Played video or computer games or used a computer for something that was not school work 3+ hours per day on an average Saturday or Sunday: Durham is 1.5% to 14.3% more than NC.
- 8+ hours of sleep on an average school night: Durham is 0.9% to 12.1% less than NC.
- Alone without a parent or adult 3+ hours on an average school day: Durham is 4.6% to 16.2% more than NC.
- Student who still have asthma: Durham is 2.9% to 13.3% more than NC.
- Perception that gangs are a problem at their school: Durham is 1.8% to 14.4% more than NC.

*Note.* Effect sizes for all findings were small.

**Table 76. Durham “Less At-Risk” than North Carolina**

- Carried a weapon: Durham is 7.6% to 19.8% less than NC.
- Taken prescription drugs without a doctor’s prescription: Durham is 0.8% to 5.6% less than NC.
- Been taught about abstaining from sexual activity: Durham is 3.1% to 14.3% more than NC.
- Been taught about AIDS and HIV in schools: Durham is 5.3% to 15.5% more than NC.
- Been taught about sexually transmitted diseases: Durham is 3.9% to 16.1% more than NC.
- Perception that teachers care and give encouragement: Durham is 2.4% to 14.6% more than NC.

*Note.* Effect sizes for all findings were small.

### *Durham-Central Region Comparisons*

Tables 77 and 78 summarize the significant comparisons between Durham and the Central Region of North Carolina. Table 77 documents the cases in which Durham was more at risk than the Central Region; Table 78 reports the YRBS items in which Durham was less at risk than the region.

**Table 77. Durham “More At-Risk” than the Central Region**

- Have seen other students bullied at school: Durham is 5.3% to 16.5% more than the CR.
- Been taught about sexually transmitted diseases: Durham is 1.9% to 15.5% less than the CR.
- Ate breakfast on 7 of the past 7 days: Durham is 3.9% to 16.1% less than the CR.
- Watched 3+ hours per day of TV on an average school day: Durham is 8.8% and 23.2% more than the CR.
- Played video or computer games or used a computer for something that was not school work 3+ hours per day on an average school day: Durham is 2.4% to 15.8 % more than the CR.
- Played video or computer games or used a computer for something that was not school work 3+ hours per day on an average Saturday or Sunday: Durham is 1.8% to 16.6 % more than the CR.
- Alone without a parent/ adult 3+ hours on an average school day: Durham is 1.4% to 14.4% more than the CR.
- Student who still have asthma: Durham is 1.7% to 12.9 % more than the CR.
- Perception that gangs are a problem at their school: Durham is 0.6% to 15.0 % more than the CR.

*Note.* Effect sizes for all findings were small.

**Table 78. Durham “Less At-Risk” than the Central Region**

- Carried a weapon: Durham is 3.7% to 17.5% less than the CR.
- Taken prescription drugs without a doctor’s prescription: Durham is 0.4% to 6.2 % less than the CR.
- Perception that teachers care and give encouragement: Durham 1.7% to 16.1 % more than the CR.

*Note.* Effect sizes for all findings were small.



### 2009 v. 2007 Durham YRBS Comparisons

Tables 79 and 80 summarize the significant comparisons between 2009 and 2007 Durham County YRBS results. Table 79 documents the cases in which 2009 was more at risk than 2007; Table 80 reports the YRBS items in which 2009 was less at risk than 2007. In other words, Table 79 indicates the significant results in which Durham County regressed, or did not do as well as in 2007; Table 80 shows the significant results in which Durham County has improved since 2007.

**Table 79. 2009 “More At-Risk” than 2007, Middle School (Regressed)**

- Wearing a seat belt when riding in a car: 2009 is 2.2% to 12.6% less than 2007.
- Bullied on school property: 2009 is 3.8% to 18.6 % more than 2007.

*Note.* Effect sizes for all findings were small.

**Table 80. 2009 “Less At-Risk” than 2007, Middle School (Improved)**

- Been taught about abstaining from sexual activity: 2009 is 4.7% to 20.1 % more than 2007.
- Been taught about AIDS and HIV in schools: 2009 is 3.3% to 17.5% more than 2007.
- Been taught about sexually transmitted diseases: 2009 is 5.1% to 21.5% more than 2007.
- Ate dinner prepared at home with their families on 3+ days in the past 7 days: 2009 is 1.3% and 11.1% more than 2007.
- Last saw a dentist for a check-up, exam, teeth cleaning, or other dental work during the past 12 months: 2009 is 3.6% to 21.0 % more than 2007.

*Note.* Effect sizes for all findings were small.

## 2009 High School Results

Tables 81-169 give the results for 2009 YRBS analyses. These results include Durham, North Carolina, and Central Region percentages. Durham “Total” percentages are unweighted. Race/Ethnicity and gender percentages reflect weighted computations. These tables also report significant race  $\times$  behavior and gender  $\times$  behavior contingencies that have standardized residuals greater than 1.99. Additionally, statewide and regional comparisons (i.e., differences in proportions, margins of error, significant confidence intervals, and measures of effect size) as well as 2009-2007 Durham comparisons are reported in tables 81-169. See Appendices F and G for cross-tabulation tables, chi-square results, and standardized residuals of statistically significant race and gender contingencies with standardized residuals greater than 1.99.

**Table 81. QN9 Among students who rode a bicycle, the percentage who never or rarely wore a bicycle helmet**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
Total	78.5	265	84.1	3405	81.8	1128
Race/Ethnicity						
Black	85.1	134	91.7	486	89.1	230
Hispanic/Latino	88.9	27	88.7	266	90.5	105
White	66.0	97	80.8	2296	77.9	646
Other	100	9	86.4	293	...	124
Gender						
Male	82.9	129	85.7	1903	83.1	633
Female	72.1	140	82.1	1490	80.2	489
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Significant contingency, $X^2_{df=5}=47.7$ , $p<0.0001$ . Males were more likely than expected to “never” wear bicycle helmets; females were more likely than expected to not even ride bicycles, standardized residuals = 3.5 and 2.6.					
Comparisons with Statewide and Regional Results						
Durham-North Carolina	Durham is 5.6% less than North Carolina with a 6.9% margin of error. The confidence interval is <b>inconclusive</b>					
Durham-Central Region	Durham is 3.3% less than the Central Region with a 7.3% margin of error. The confidence interval is <b>inconclusive</b> .					
Comparison between 2009 and 2007 Durham Results						
2009 is 2.6% less than 2007 with a 9.1% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 82. QN10 Percentage of students who never or rarely wore a seat belt when riding in a car**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
Total	8.7	492	7.0	5677	6.9	1885
Race/Ethnicity						
Black	8.9	282	8.2	940	8.7	437
Hispanic/Latino	5.7	53	5.8	463	4.7	192
White	3.9	128	6.1	3655	5.6	998
Other	14.3	28	6.5	521	9.1	220
Gender						
Male	10.3	185	7.8	2751	7.9	897
Female	7.9	330	6.2	2906	5.9	980
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
Comparisons with Statewide and Regional Results						
Durham-North Carolina	Durham is 1.7% more than North Carolina with a 3.5% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 1.8% more than the Central Region with a 3.7% margin of error. The confidence interval is <b>inconclusive</b> .					
Comparison between 2009 and 2007 Durham Results						
2009 is 0.4% less than 2007 with a 5.1% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 83. QN11 Percentage of students who rode in a car or other vehicle driven by someone who had been recklessly speeding one or more times during the past 30 days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	56.1	494	51.5	5266	53.8	1471
<b>Race/Ethnicity</b>						
Black	50.9	281	49.0	807	51.5	303
Hispanic/Latino	50.0	54	46.3	423	51.3	152
White	56.8	132	52.4	3468	54.1	808
Other	78.6	28	53.6	478	...	179
<b>Gender</b>						
Male	61.7	183	51.0	2561	52.5	707
Female	51.4	333	51.8	2685	55.0	756

#### Durham County Contingencies

Race × Behavior Inconclusive.

Gender × Behavior Significant contingency,  $\chi^2_{df=4}=16.7$ ,  $p=0.002$ . Males were more likely than expected to ride with someone who drove recklessly at least one time in the past 30 days, standardized residual = 2.2.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina Durham is 4.6% more than North Carolina with a 6.2% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 2.3% more than the Central Region with a 6.8% margin of error. The confidence interval is **inconclusive**.

#### Comparison between 2009 and 2007 Durham Results

Not applicable. This question was not asked in 2007.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 84. QN12 Percentage of students who rode one or more times during the past 30 days in a car or other vehicle driven by someone who had been drinking alcohol**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	22.7	494	20.7	5688	21.4	1889
<b>Race/Ethnicity</b>						
Black	17.7	282	19.7	942	18.5	438
Hispanic/Latino	34.0	53	26.2	468	24.6	195
White	26.0	131	20.1	3661	21.5	1000
Other	25.9	27	21.6	521	23.2	220
<b>Gender</b>						
Male	26.6	184	20.2	578	20.2	900
Female	19.5	333	21.0	2912	22.2	981

#### Durham County Contingencies

Race × Behavior      Significant contingency,  $\chi^2_{df=12}=24.2$ ,  $p=0.019$ . Hispanic students were more likely than expected to have ridden in a car driven by someone who had drunken alcohol, standardized residual = 2.4.

Gender × Behavior      Inconclusive.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina      Durham is 2.0% more than North Carolina with a 5.2% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 1.3% more than the Central Region with a 5.6% margin of error. The confidence interval is **inconclusive**.

#### Comparison between 2009 and 2007 Durham Results

2009 is 1.2% less than 2007 with a 7.6% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 85. QN13 Percentage of students who drove a car or other vehicle one or more times during the past 30 days when they had been drinking alcohol**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	12.6	492	8.2	5615	7.8	1854
<b>Race/Ethnicity</b>						
Black	11.1	280	5.7	922	4.7	425
Hispanic/Latino	13.2	53	7.6	456	5.3	190
White	11.5	131	9.3	3632	9.2	989
Other	18.5	27	8.5	513	...	217
<b>Gender</b>						
Male	15.3	183	10.6	2712	9.7	878
Female	10.8	333	5.9	2884	6.0	968

#### Durham County Contingencies

Race × Behavior	Inconclusive.
Gender × Behavior	Inconclusive.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina	Durham is 4.4 % more than North Carolina with a 4.1% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is <b>significant</b> ; therefore, Durham is between 0.3 and 8.5 percentage points more than North Carolina. The effect size is small, <i>Cohen's h</i> = 0.14.
Durham-Central Region	Durham is 4.8 % more than the Central Region with a 4.3% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is <b>significant</b> ; therefore, Durham is between 0.5 and 9.1 percentage points more than the Central Region. The effect size is small, <i>Cohen's h</i> = 0.16.

#### Comparison between 2009 and 2007 Durham Results

2009 is 3.7% more than 2007 with a 5.5% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 86. QN14 Percentage of students who drove a car or other vehicle under the influence of drugs other than tobacco one or more times during the past 30 days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
Total	17.4	493	14.7	5269	15.6	1470
Race/Ethnicity						
Black	15.2	282	15.3	806	14.9	302
Hispanic/Latino	13.2	53	18.4	425	14.5	152
White	18.9	132	13.5	3471	15.6	809
Other	22.2	27	16.6	478	...	178
Gender						
Male	15.5	181	17.4	2563	19.1	706
Female	20.4	336	12.1	2608	12.2	756
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive					
Comparisons with Statewide and Regional Results						
Durham-North Carolina	Durham is 2.7% more than North Carolina with a 4.7% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 1.8% more than the Central Region with a 5.2% margin of error. The confidence interval is <b>inconclusive</b> .					
Comparison between 2009 and 2007 Durham Results						
Not applicable. This question was not asked in 2007.						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.



**Table 87. QN15 Percentage of students who had ever been bullied on school property during the past 12 months**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	13.6	491	16.6	5653	18.3	1875
<b>Race/Ethnicity</b>						
Black	11.7	281	11.0	935	12.0	432
Hispanic/Latino	14.8	54	18.1	462	19.2	193
White	16.8	99	19.1	3649	20.4	996
Other	14.8	27	20.3	519	20.9	220
<b>Gender</b>						
Male	11.5	182	13.7	2735	16.2	893
Female	15.3	334	19.2	2901	20.1	974

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 3.0% less than North Carolina with a 3.9% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 4.7 % less than the Central Region with a 4.3% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is **significant**; therefore, Durham is between 0.4 and 9.0 percentage points less than the Central Region. The effect size is small, *Cohen's h* = 0.13.

**Comparison between 2009 and 2007 Durham Results**

2009 is 16.5% less than 2007 with a 6.7% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 9.8 and 23.2 percentage points less than 2007. The effect size is small to moderate, *Cohen's h* = 0.41.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 88. QN16 Percentage of students who have ever been electronically bullied, such as through e-mail, chat rooms, instant messaging, Web sites, or text messaging, during the past 12 months**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	13.6	491	14.4	5627	14.8	1867
<b>Race/Ethnicity</b>						
Black	13.8	282	9.1	929	9.3	431
Hispanic/Latino	13.2	53	16.1	455	15.2	191
White	8.4	131	16.4	3636	16.6	990
Other	22.2	27	16.8	515	...	218
<b>Gender</b>						
Male	8.8	181	9.7	2715	9.8	885
Female	17.4	333	18.6	2894	19.2	974

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 0.8% less than North Carolina with a 3.9% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 1.2% less than the Central Region with a 4.2% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

Not applicable. This question was not asked in 2007.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 89. QN17 Percentage of students who have seen other students bullied at school**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
Total	66.7	493	62.5	3253	63.4	1466
Race/Ethnicity						
Black	69.1	282	58.3	805	63.8	301
Hispanic/Latino	68.5	54	59.7	420	60.4	149
White	64.4	132	65.4	3461	64.6	809
Other	63.0	27	58.9	477	...	177
Gender						
Male	65.8	184	61.1	2553	63.2	704
Female	67.4	334	63.9	2682	63.4	754
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
Comparisons with Statewide and Regional Results						
Durham-North Carolina	Durham is 4.2% more than North Carolina with a 5.5% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 3.3% more than the Central Region with a 5.9% margin of error. The confidence interval is <b>inconclusive</b> .					
Comparison between 2009 and 2007 Durham Results						
Not applicable. This question was not asked in 2007.						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 90. QN18 Percentage of students who carried a weapon such as a gun, knife, or club on one or more of the past 30 days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	15.8	493	19.6	5631	17.9	1871
<b>Race/Ethnicity</b>						
Black	13.2	281	14.5	932	12.7	434
Hispanic/Latino	20.4	54	20.9	462	19.4	191
White	13.6	132	21.8	3632	18.9	995
Other	25.0	28	21.1	509	...	214
<b>Gender</b>						
Male	24.7	182	32.0	2713	28.6	889
Female	8.7	333	8.0	2900	8.0	975

#### Durham County Contingencies

Race × Behavior	Significant contingency, $\chi^2_{df=12}=25.3$ , $p=0.014$ . Students of “other” race were more likely than expected to have carried a weapon 4 to 5 times in the past 30 days, standardized residual = 4.1.
Gender × Behavior	Significant contingency, $\chi^2_{df=4}=27.9$ , $p<0.0001$ . Males were more likely than expected to have carried a weapon 2 or 3, 4 or 5, or 6+ times in the past 30 days, standardized residuals = 2.4, 2.1, and 2.1.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina	Durham is 3.8% less than North Carolina with a 4.8% margin of error. The confidence interval is <b>inconclusive</b> .
Durham-Central Region	Durham is 2.1% less than the Central Region with a 5.2% margin of error. The confidence interval is <b>inconclusive</b> .

#### Comparison between 2009 and 2007 Durham Results

2009 is 9.1% less than 2007 with a 7.7% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 1.4 and 16.8 percentage points less than 2007. The effect size is small, *Cohen's h* = 0.23.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 91. QN19 Percentage of students who carried a weapon such as a gun, knife, or club on school property on one or more of the past 30 days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	6.5	492	4.7	5638	4.0	1868
<b>Race/Ethnicity</b>						
Black	6.1	280	3.5	931	3.0	431
Hispanic/Latino	5.6	54	6.0	462	4.2	191
White	3.1	131	4.9	3643	4.0	995
Other	11.5	26	4.5	508	...	213
<b>Gender</b>						
Male	9.3	182	7.0	2719	5.9	887
Female	3.9	332	2.5	2901	2.2	973

**Durham County Contingencies**

Race × Behavior	Inconclusive.
Gender × Behavior	Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina	Durham is 1.8% more than North Carolina with a 3.2% margin of error. The confidence interval is <b>inconclusive</b> .
Durham-Central Region	Durham is 2.5% more than the Central Region with a 3.4% margin of error. The confidence interval is <b>inconclusive</b> .

**Comparison between 2009 and 2007 Durham Results**

2009 is 0.8% less than 2007 with a 4.9% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 92. QN20 Percentage of students who did not go to school on one or more of the past 30 days because they felt they would be unsafe at school or on their way to or from school**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	8.1	495	5.6	5690	5.6	1889
<b>Race/Ethnicity</b>						
Black	10.2	284	6.5	939	6.2	434
Hispanic/Latino	3.7	54	11.6	468	11.3	194
White	3.1	131	3.9	3662	3.3	1001
Other	10.7	28	6.9	521	7.2	221
<b>Gender</b>						
Male	7.1	184	5.3	2756	5.5	899
Female	7.1	334	5.6	2913	5.4	981

**Durham County Contingencies**

Race × Behavior	Inconclusive.
Gender × Behavior	Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina	Durham is 2.5% more than North Carolina with a 3.5% margin of error. The confidence interval is <b>inconclusive</b> .
Durham-Central Region	Durham is 2.5% more than the Central Region with a 3.7% margin of error. The confidence interval is <b>inconclusive</b> .

**Comparison between 2009 and 2007 Durham Results**

2009 is 2.7% less than 2007 with a 5.6% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 93. QN21 Percentage of students who had been threatened or injured with a weapon such as a gun, knife, or club on school property one or more times during the past 12 months**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	9.9	494	6.8	5698	7.6	1894
<b>Race/Ethnicity</b>						
Black	9.6	282	5.8	943	6.6	438
Hispanic/Latino	7.5	53	10.2	470	9.7	196
White	7.6	131	6.7	3664	7.0	1001
Other	11.5	26	7.6	520	9.1	220
<b>Gender</b>						
Male	13.5	185	8.4	2762	9.3	903
Female	7.2	333	5.1	2915	5.8	982

**Durham County Contingencies**

Race × Behavior	Inconclusive.
Gender × Behavior	Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina	Durham is 3.1% more than North Carolina with a 3.9% margin of error. The confidence interval is <b>inconclusive</b> .
Durham-Central Region	Durham is 2.3% more than the Central Region with a 4.1% margin of error. The confidence interval is <b>inconclusive</b> .

**Comparison between 2009 and 2007 Durham Results**

2009 is 2.6% less than 2007 with a 6.1% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 94. QN22 Percentage of students who were in a physical fight one or more times during the past 12 months**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	28.4	490	28.6	5581	27.7	1856
<b>Race/Ethnicity</b>						
Black	32.7	278	32.5	917	30.4	427
Hispanic/Latino	28.3	53	33.1	454	30.2	189
White	14.5	131	25.5	3614	25.3	993
Other	33.3	27	30.8	508	...	213
<b>Gender</b>						
Male	32.4	182	38.1	2697	35.9	885
Female	25.4	331	19.6	2866	20.0	964

**Durham County Contingencies**

Race × Behavior	Inconclusive.
Gender × Behavior	Significant contingency, $\chi^2_{df=7}=16.4$ , $p=0.021$ . Male students were more likely than expected to have been in a physical fight six or seven times, standardized residual = 2.1.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina	Durham is 0.2% less than North Carolina with a 6.0% margin of error. The confidence interval is <b>inconclusive</b> .
Durham-Central Region	Durham is 0.7% more than the Central Region with a 6.4% margin of error. The confidence interval is <b>inconclusive</b> .

**Comparison between 2009 and 2007 Durham Results**

2009 is 16.8% less than 2007 with a 9.1% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 7.7 and 25.9 percentage points less than 2007. The effect size is small, *Cohen's h* = 0.35.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.



**Table 95. QN23 Percentage of students who were in a physical fight one or more times during the past 12 months in which they were injured and had to be treated by a doctor or nurse**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	6.1	495	3.7	5227	4.3	1458
<b>Race/Ethnicity</b>						
Black	4.6	282	3.8	801	4.0	300
Hispanic/Latino	3.7	54	4.7	421	2.7	149
White	3.8	131	2.8	3449	3.1	806
Other	14.8	27	7.2	473	...	177
<b>Gender</b>						
Male	8.6	185	5.2	2532	5.8	701
Female	4.2	334	2.2	2676	2.5	750

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 2.4% more than North Carolina with a 3.1% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 1.8% more than the Central Region with a 3.4% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 1.9% less than 2007 with a 4.9% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 96. QN24 Percentage of students who were in a physical fight on school property one or more times during the past 12 months**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	11.7	494	9.4	5632	8.6	1874
<b>Race/Ethnicity</b>						
Black	13.8	282	10.3	929	9.0	433
Hispanic/Latino	13.2	53	12.6	460	12.0	192
White	6.9	131	7.9	3638	6.7	995
Other	10.7	28	12.7	513	12.0	218
<b>Gender</b>						
Male	15.1	185	13.0	2725	11.8	893
Female	9.6	335	5.9	2888	5.5	974

#### Durham County Contingencies

Race × Behavior      Significant contingency,  $\chi^2_{df=18}=40.7$ ,  $p=0.002$ . Hispanic students were more likely than expected to have been in eight or nine physical fights in the past 12 months, standardized residual= 2.7. Students of “other” races were more likely than expected to have been in “four or five” or six or seven” physical fights, standardized residuals= 4.0 and 2.6.

Gender × Behavior      Inconclusive.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina      Durham is 2.3% more than North Carolina with a 4.2% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 3.1% more than the Central Region with a 4.4% margin of error. The confidence interval is **inconclusive**.

#### Comparison between 2009 and 2007 Durham Results

2009 is 11.7% less than 2007 with a 7.4% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 4.3 and 19.1 percentage points less than 2007. The effect size is small, *Cohen's h* = 0.31.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 97. QN25 Percentage of students whose property such as their car, clothing, or books had been stolen or deliberately damaged on school property one or more times during the past 12 months**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	31.3	492	28.5	5681	28.4	1887
<b>Race/Ethnicity</b>						
Black	25.8	279	26.4	939	26.6	436
Hispanic/Latino	41.5	53	27.8	465	25.3	194
White	30.5	131	28.8	3659	28.0	999
Other	42.9	28	34.8	519	35.2	219
<b>Gender</b>						
Male	37.5	184	30.7	2750	29.9	900
Female	25.6	332	26.2	2910	26.9	979

#### Durham County Contingencies

Race × Behavior Significant contingency,  $\chi^2_{df=18}=33.6$ ,  $p=0.014$ . Hispanic students were more likely than expected to have had personal property damaged or stolen eight or nine times in the past 12 months, standardized residual= 2.7.

Gender × Behavior Significant contingency,  $\chi^2_{df=6}=15.2$ ,  $p=0.019$ . Male students were more likely than expected to have had personal property damaged or stolen two or three times in the past 12 months, standardized residual= 2.4.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina Durham is 2.8% more than North Carolina with a 6.1% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 2.9% more than the Central Region with a 6.6% margin of error. The confidence interval is **inconclusive**.

#### Comparison between 2009 and 2007 Durham Results

2009 is 2.0% more than 2007 with an 8.8% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 98. QN26 Percentage of students who were ever hit, slapped, or physically hurt on purpose by their boyfriend or girlfriend during the past 12 months**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	15.4	492	12.6	5651	11.7	1870
<b>Race/Ethnicity</b>						
Black	16.7	281	13.4	935	12.7	433
Hispanic/Latino	11.1	54	12.5	463	12.0	192
White	13.6	132	11.6	3650	10.3	995
Other	15.4	26	14.3	514	...	215
<b>Gender</b>						
Male	17.6	182	13.0	2734	12.0	888
Female	13.8	334	12.2	2903	11.3	976

**Durham County Contingencies**

Race × Behavior	Inconclusive.
Gender × Behavior	Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina	Durham is 2.8% more than North Carolina with a 4.7% margin of error. The confidence interval is <b>inconclusive</b> .
Durham-Central Region	Durham is 3.7% more than the Central Region with a 5.0% margin of error. The confidence interval is <b>inconclusive</b> .

**Comparison between 2009 and 2007 Durham Results**

2009 is 1.5% more than 2007 with a 6.8% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 99. QN27 Percentage of students who had ever been physically forced to have sexual intercourse when they did not want to**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	9.6	491	8.6	5663	8.5	1878
<b>Race/Ethnicity</b>						
Black	8.9	282	10.7	938	9.2	434
Hispanic/Latino	14.8	54	13.8	464	13.9	194
White	3.1	131	6.8	3654	6.6	996
Other	22.2	27	8.9	517	10.1	218
<b>Gender</b>						
Male	7.7	182	4.7	2745	4.7	897
Female	11.1	334	12.4	2901	11.8	973

#### Durham County Contingencies

Race × Behavior Significant contingency,  $\chi^2_{df=6}=14.8$ ,  $p=0.022$ . Students of “other” races were more likely than expected to have been forced to have sexual intercourse, standardized residual= 2.4.

Gender × Behavior Inconclusive.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina Durham is 1.0% more than North Carolina with a 3.9% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 1.1% more than the Central Region with a 4.1% margin of error. The confidence interval is **inconclusive**.

#### Comparison between 2009 and 2007 Durham Results

2009 is 1.5% less than 2007 with a 5.9% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 100. QN28 Percentage of students, in the past 12 months, who have ever felt so sad or hopeless almost every day for two weeks or more that they stopped doing usual activities?**

	<b>Durham</b>		<b>North Carolina</b>		<b>Central Region</b>	
	%	N*	%	N*	%	N*
<b>Total</b>	29.8	490	27.4	5635	28.3	1871
<b>Race/Ethnicity</b>						
Black	34.3	283	26.2	934	27.1	431
Hispanic/Latino	37.0	54	32.7	464	31.4	194
White	19.7	132	26.7	3637	27.3	996
Other	26.9	26	31.1	512	...	214
<b>Gender</b>						
Male	27.6	181	21.6	2721	21.2	888
Female	31.5	333	32.8	2896	34.7	975
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	Durham is 2.4% more than North Carolina with a 5.5% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 1.5% more than the Central Region with a 6.0% margin of error. The confidence interval is <b>inconclusive</b> .					
<b>Comparison between 2009 and 2007 Durham Results</b>						
2009 is 2.3% more than 2007 with an 8.0% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 101. QN29 Percentage of students who usually talk with teacher or other adult in this school when they feel sad, empty, hopeless, angry, or anxious**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	2.0	489	1.0	5208	0.7	1451
<b>Race/Ethnicity</b>						
Black	2.2	279	1.8	796	1.0	299
Hispanic/Latino	2.0	51	0.8	421	1.3	151
White	1.5	131	0.6	3432	0.4	797
Other	0.0	28	0.4	471	...	175
<b>Gender</b>						
Male	1.1	181	0.9	2533	0.7	697
Female	2.7	331	1.1	2656	0.7	746

#### Durham County Contingencies

Race × Behavior Inconclusive.

Gender × Behavior Significant contingency,  $\chi^2_{df=7}=43.6$ ,  $p<0.0001$ . Males who experienced feelings of sadness were more likely than expected to tell “some other person,” standardized residual=2.1. Females were more likely than expected to tell a friend or sibling, standardized residual= 2.0.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina Durham is 1.0% more than North Carolina with a 1.7% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 1.3% more than the Central Region with a 1.7% margin of error. The confidence interval is **inconclusive**.

#### Comparison between 2009 and 2007 Durham Results

Not applicable. This question was not asked in 2007.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 102. QN30 Percentage of students who seriously considered attempting suicide during the past 12 months**

	<b>Durham</b>		<b>North Carolina</b>		<b>Central Region</b>	
	%	N*	%	N*	%	N*
<b>Total</b>	13.9	489	13.2	5639	14.0	1867
<b>Race/Ethnicity</b>						
Black	14.9	281	12.0	931	10.9	430
Hispanic/Latino	22.2	54	13.2	463	13.5	192
White	7.6	131	13.0	3641	14.1	995
Other	15.4	26	18.9	511	...	213
<b>Gender</b>						
Male	11.5	182	10.3	2734	10.2	891
Female	15.7	331	16.1	2888	17.6	968
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	Durham is 0.7% more than North Carolina with a 4.2% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 0.1% less than the Central Region with a 4.5% margin of error. The confidence interval is <b>inconclusive</b> .					
<b>Comparison between 2009 and 2007 Durham Results</b>						
2009 is 2.5% less than 2007 with a 6.4% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.



**Table 103. QN31 Percentage of students who have ever made a plan about how they would kill themselves**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	10.4	483	10.1	5622	10.5	1860
<b>Race/Ethnicity</b>						
Black	11.2	276	9.7	928	9.6	429
Hispanic/Latino	18.5	54	10.4	462	9.3	193
White	6.9	130	9.4	3626	9.7	988
Other	8.0	25	13.2	514	...	215
<b>Gender</b>						
Male	10.1	179	8.6	2715	8.3	884
Female	10.7	327	11.3	2891	12.4	969

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 0.3% more than North Carolina with a 3.7% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 0.1% less than the Central Region with a 4.0% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 2.5% less than 2007 with a 5.7% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 104. QN32 Percentage of students who actually attempted suicide one or more times during the past 12 months**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	9.8	489	9.9	5680	10.7	1886
<b>Race/Ethnicity</b>						
Black	10.7	280	10.4	938	9.9	434
Hispanic/Latino	13.2	53	11.7	467	11.8	195
White	3.8	131	8.1	3659	8.9	1000
Other	15.4	26	16.7	518	16.0	219
<b>Gender</b>						
Male	9.3	182	9.9	2754	9.9	899
Female	15.5	333	9.7	2906	11.2	978

**Durham County Contingencies**

Race × Behavior      Significant contingency,  $\chi^2_{df=12}=30.0$ ,  $p=0.003$ . Hispanic students were more likely than expected to have attempted suicide four or five times in the past 12 months, standardized residual= 3.9.

Gender × Behavior      Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina      Durham is 0.1% less than North Carolina with a 3.6% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 0.9% less than the Central Region with a 3.9% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 8.2% less than 2007 with a 6.2% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 2.0 and 14.4 percentage points less than 2007. The effect size is small, *Cohen's h* = 0.24.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 105. QN33 Percentage of students who smoked a whole cigarette for the first time before age 13 years**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
Total	12.1	489	12.4	5624	11.7	1858
Race/Ethnicity						
Black	14.3	280	11.4	925	11.3	426
Hispanic/Latino	7.4	54	18.2	463	18.3	191
White	6.9	130	12.0	3631	10.0	989
Other	11.5	26	12.6	511	...	215
Gender						
Male	12.7	181	15.4	2717	14.0	881
Female	11.1	332	9.4	2888	9.6	970
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
Comparisons with Statewide and Regional Results						
Durham-North Carolina	Durham is 0.3% less than North Carolina with a 3.4% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 0.4% more than the Central Region with a 4.0% margin of error. The confidence interval is <b>inconclusive</b> .					
Comparison between 2009 and 2007 Durham Results						
2009 is 1.1% less than 2007 with a 5.5% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 106. QN34 Percentage of students who smoked cigarettes on one or more of the past 30 days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
Total	15.5	490	17.7	5579	16.9	1854
Race/Ethnicity						
Black	12.5	280	11.0	924	9.3	431
Hispanic/Latino	14.8	54	18.7	455	16.0	187
White	18.3	131	21.3	3593	20.4	981
Other	23.1	26	16.9	511	16.1	217
Gender						
Male	15.5	181	20.6	2687	19.6	883
Female	15.4	332	14.9	2873	14.4	963
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
Comparisons with Statewide and Regional Results						
Durham-North Carolina	Durham is 2.2% less than North Carolina with a 4.1% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 1.4% less than the Central Region with a 4.4% margin of error. The confidence interval is <b>inconclusive</b> .					
Comparison between 2009 and 2007 Durham Results						
2009 is 0.1% less than 2007 with a 5.9% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 107. QN35 Of those who have smoked, the percentage of students who tried to quit smoking in the past 12 months**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	52.7	93	56.2	1055	52.5	301
<b>Race/Ethnicity</b>						
Black	47.7	44	54.4	107	...	38
Hispanic/Latino	63.6	11	...	86	...	30
White	58.6	29	55.7	751	49.7	195
Other	50.0	8	...	93	...	31
<b>Gender</b>						
Male	51.4	35	52.5	581	49.7	165
Female	52.5	61	61.3	469	56.7	134
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	Durham is 3.5% less than North Carolina with a 12.9% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 0.2% more than the Central Region with a 14.2% margin of error. The confidence interval is <b>inconclusive</b> .					
<b>Comparison between 2009 and 2007 Durham Results</b>						
2009 is 5.4% less than 2007 with an 18.5% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 108. QN36 Percentage of students who had their first drink of alcohol other than a few sips before age 13**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	17.9	486	19.0	5630	19.6	1861
<b>Race/Ethnicity</b>						
Black	18.6	279	21.8	922	20.8	427
Hispanic/Latino	16.7	54	28.2	465	30.4	194
White	10.1	129	15.9	3628	15.7	984
Other	29.6	27	22.5	517	23.9	218
<b>Gender</b>						
Male	23.3	180	22.5	2720	21.2	885
Female	14.3	329	15.7	2890	18.2	968

**Durham County Contingencies**

Race × Behavior      Significant contingency,  $\chi^2_{df=18}=33.8$ ,  $p=0.013$ . Students of “other” races were more likely than expected to have had a first drink of alcohol (other than a few sips) at age eight or younger, standardized residual= 2.6.

Gender × Behavior      Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina      Durham is 1.1% less than North Carolina with a 4.7% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 1.7% less than the Central Region with a 5.1% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 10.9% less than 2007 with a 7.5% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 3.4 and 18.4 percentage points less than 2007. The effect size is small, *Cohen’s h* = 0.26.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 109. QN37 Percentage of students who had at least one drink of alcohol on one or more of the past 30 days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	42.5	487	35.0	5314	34.9	1752
<b>Race/Ethnicity</b>						
Black	35.6	278	27.8	843	26.2	389
Hispanic/Latino	39.2	51	36.2	427	34.9	175
White	53.4	131	38.8	3476	39.2	953
Other	53.8	26	31.3	482	...	203
<b>Gender</b>						
Male	46.4	181	37.8	2553	37.8	828
Female	39.8	332	32.4	2743	32.2	918

#### Durham County Contingencies

Race × Behavior Inconclusive.

Gender × Behavior Significant contingency,  $\chi^2_{df=6}=14.9$ ,  $p=0.021$ . Male students were more likely than expected to have had a drink of alcohol on all 30 days within the past 30 days, standardized residual= 2.2.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina Durham is 7.5 % more than North Carolina with a 6.0% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is **significant**; therefore, Durham is between 1.5 and 13.5 percentage points more than North Carolina. The effect size is small, *Cohen's h* = 0.15.

Durham-Central Region Durham is 7.6 % more than the Central Region with a 6.5% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is **significant**; therefore, Durham is between 1.1 and 14.1 percentage points more than the Central Region. The effect size is small, *Cohen's h* = 0.16.

#### Comparison between 2009 and 2007 Durham Results

2009 is 13.7% more than 2007 with an 8.4% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 5.3 and 22.1 percentage points more than 2007. The effect size is small, *Cohen's h* = 0.29.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 110. QN38 Percentage of students who had five or more drinks of alcohol in a row, that is, within a couple of hours, on one or more of the past 30 days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	21.0	490	18.7	5604	18.7	1858
<b>Race/Ethnicity</b>						
Black	13.6	279	10.0	921	7.7	426
Hispanic/Latino	26.4	53	17.5	459	16.4	189
White	32.1	131	22.9	3622	22.8	994
Other	25.9	27	21.0	510	...	213
<b>Gender</b>						
Male	26.5	181	21.8	2702	20.7	885
Female	16.8	333	15.7	2884	16.9	967

#### Durham County Contingencies

Race × Behavior Significant contingency,  $\chi^2_{df=18}=38.9$ ,  $p=0.003$ . Hispanic students were more likely than expected to have had five or more drinks of alcohol in a row on two of the past 30 days, standardized residual= 2.5; white students were more likely than expected to have had five or more drinks in a row on one of the past 30 days, standardized residual = 2.1.

Gender × Behavior Significant contingency,  $\chi^2_{df=6}=13.1$ ,  $p=0.041$ . Male students were more likely than expected to have had a five or more drinks drink of alcohol in a row on at least 20 of the past 30 days, standardized residual= 2.2.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina Durham is 2.3% more than North Carolina with a 4.9% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 2.3% more than the Central Region with a 5.3% margin of error. The confidence interval is **inconclusive**.

#### Comparison between 2009 and 2007 Durham Results

2009 is 9.8% more than 2007 with a 76.3% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 3.5 and 16.1 percentage points more than 2007. The effect size is small, *Cohen's h* = 0.27.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.



**Table 111. QN39 Percentage of students who had at least one drink of alcohol on school property on one or more of the past 30 days**

	<b>Durham</b>		<b>North Carolina</b>		<b>Central Region</b>	
	%	N*	%	N*	%	N*
<b>Total</b>	6.1	490	4.1	5589	3.4	1850
<b>Race/Ethnicity</b>						
Black	6.4	280	4.6	914	4.3	423
Hispanic/Latino	5.6	54	6.3	456	4.2	189
White	2.3	131	3.1	3621	2.4	994
Other	8.0	25	6.2	507	...	212
<b>Gender</b>						
Male	7.7	181	4.7	2693	4.0	880
Female	4.8	333	3.5	2877	2.9	964
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	Durham is 2.0% more than North Carolina with a 2.9% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 2.7% more than the Central Region with a 3.0% margin of error. The confidence interval is <b>inconclusive</b> .					
<b>Comparison between 2009 and 2007 Durham Results</b>						
2009 is 1.9% less than 2007 with a 4.6% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 112. QN40 Among students who reported current alcohol use, the percentage who usually got the alcohol they drank from someone who gave it to them during the past 30 days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	36.3	201	37.0	1958	38.7	602
<b>Race/Ethnicity</b>						
Black	33.0	97	40.7	250	42.2	102
Hispanic/Latino	35.0	20	34.6	156	...	58
White	41.4	70	36.5	1345	38.5	371
Other	40.0	10	...	175	...	61
<b>Gender</b>						
Male	21.8	78	33.1	995	35.0	306
Female	48.9	131	41.0	953	42.5	294

#### Durham County Contingencies

Race × Behavior Inconclusive.

Gender × Behavior Significant contingency,  $\chi^2_{df=7}=22.6$ ,  $p=0.002$ . Male students were more likely than expected to give someone money to purchase alcohol for them, standardized residual= 2.4.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina Durham is 0.7% less than North Carolina with a 9.2% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 2.4% less than the Central Region with a 10.1% margin of error. The confidence interval is **inconclusive**.

#### Comparison between 2009 and 2007 Durham Results

2009 is 6.0% less than 2007 with a 15.6% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 113. QN41 Percentage of students who used marijuana one or more times during their life**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	44.8	491	37.0	5535	36.1	1823
<b>Race/Ethnicity</b>						
Black	45.2	281	39.0	903	37.5	413
Hispanic/Latino	45.3	53	36.6	442	37.3	185
White	41.2	131	36.6	3603	36.4	983
Other	46.2	26	30.9	499	...	208
<b>Gender</b>						
Male	48.9	182	43.3	2658	43.0	868
Female	42.0	333	31.2	2861	29.7	949

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Significant contingency,  $\chi^2_{df=6}=15.6$ ,  $p=0.016$ . Male students were more likely than expected to have used marijuana 100 or more times in their lives, standardized residual= 2.7.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 7.8 % more than North Carolina with a 5.8% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is **significant**; therefore, Durham is between 2.0 and 13.6 percentage points more than North Carolina. The effect size is small, *Cohen's h* = 0.16.

Durham-Central Region Durham is 8.7 % more than the Central Region with a 6.3% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is **significant**; therefore, Durham is between 2.4 and 15.0 percentage points more than the Central Region. The effect size is small, *Cohen's h* = 0.18.

**Comparison between 2009 and 2007 Durham Results**

2009 is 9.6% more than 2007 with an 8.4% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 1.2 and 18.0 percentage points more than 2007. The effect size is small, *Cohen's h* = 0.20.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 114. QN42 Percentage of students who tried marijuana for the first time before age 13 years**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
Total	8.6	490	8.1	5563	8.5	1837
Race/Ethnicity						
Black	10.0	280	9.7	910	10.1	417
Hispanic/Latino	1.9	52	9.4	447	10.7	187
White	3.1	130	6.5	3614	6.4	990
Other	15.4	26	11.9	502	...	208
Gender						
Male	9.9	181	12.1	2671	12.7	872
Female	6.9	332	4.4	2876	4.7	959
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
Comparisons with Statewide and Regional Results						
Durham-North Carolina	Durham is 0.5% more than North Carolina with a 3.3% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 0.1% more than the Central Region with a 3.6% margin of error. The confidence interval is <b>inconclusive</b> .					
Comparison between 2009 and 2007 Durham Results						
2009 is 5.2% less than 2007 with a 5.5% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 115. QN43 Percentage of students who used marijuana one or more times during the past 30 days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	29.4	490	19.8	5542	19.6	1824
<b>Race/Ethnicity</b>						
Black	21.4	906	21.4	906	19.1	413
Hispanic/Latino	24.5	53	17.7	445	15.7	185
White	29.8	131	19.1	3606	20.4	986
Other	32.0	25	17.8	497	...	206
<b>Gender</b>						
Male	31.5	181	25.5	2663	25.1	868
Female	27.5	331	14.5	2863	14.6	949

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Significant contingency,  $\chi^2_{df=5}=11.8$ ,  $p=0.038$ . Male students were more likely than expected to have used marijuana 40 or more times in the past 30 days, standardized residual= 2.6.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 9.6 % more than North Carolina with a 5.3% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is **significant**; therefore, Durham is between 4.3 and 14.9 percentage points more than North Carolina. The effect size is small, *Cohen's h* = 0.22.

Durham-Central Region Durham is 9.8 % more than the Central Region with a 5.6% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is **significant**; therefore, Durham is between 4.2 and 15.4 percentage points more than the Central Region. The effect size is small, *Cohen's h* = 0.23

**Comparison between 2009 and 2007 Durham Results**

2009 is 5.8% more than 2007 with a 5.5% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 0.3 and 11.3 percentage points more than 2007. The effect size is small, *Cohen's h* = 0.13.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 116. QN44 Percentage of students who used marijuana on school property one or more times during the past 30 days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	6.5	492	4.0	5606	4.2	1853
<b>Race/Ethnicity</b>						
Black	6.4	282	4.0	926	3.3	426
Hispanic/Latino	5.6	54	7.1	454	6.3	189
White	5.3	132	3.4	3627	3.6	991
Other	7.7	26	4.6	507	...	211
<b>Gender</b>						
Male	8.2	182	5.7	2703	5.4	881
Female	5.4	334	2.4	2885	3.1	964
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	Durham is 2.5% more than North Carolina with a 2.9% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 2.3% more than the Central Region with a 3.0% margin of error. The confidence interval is <b>inconclusive</b> .					
<b>Comparison between 2009 and 2007 Durham Results</b>						
2009 is 3.0% less than 2007 with a 4.7% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 117. QN45 Percentage of students who used any form of cocaine, including powder, crack, or freebase one or more times during their life**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	4.3	490	5.5	5674	6.5	1879
<b>Race/Ethnicity</b>						
Black	2.9	280	2.8	935	3.0	432
Hispanic/Latino	3.7	54	11.2	467	10.9	193
White	3.1	131	5.9	3655	6.1	997
Other	8.0	25	8.3	517	9.6	218
<b>Gender</b>						
Male	7.2	180	7.4	2750	8.5	897
Female	1.5	332	3.7	2902	4.5	973

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Significant contingency,  $\chi^2_{df=56}=16.1$ ,  $p=0.007$ . Male students were more likely than expected to have used cocaine 40 or more times in their lives, standardized residual= 2.4.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 1.2% less than North Carolina with a 2.4% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 2.2% less than the Central Region with a 2.7% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 2.7% less than 2007 with a 4.0% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 118. QN46 Percentage of students who sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high one or more times during their life**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	9.4	481	11.7	5617	12.3	1858
<b>Race/Ethnicity</b>						
Black	8.8	274	9.4	925	10.1	425
Hispanic/Latino	9.4	53	13.4	461	14.2	190
White	6.9	130	12.1	3622	12.2	990
Other	16.0	25	15.8	510	...	214
<b>Gender</b>						
Male	11.2	178	12.1	2716	12.2	885
Female	7.4	324	11.4	2882	12.5	966

#### Durham County Contingencies

Race × Behavior	Inconclusive.
Gender × Behavior	Inconclusive.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina	Durham is 2.3% less than North Carolina with a 3.5% margin of error. The confidence interval is <b>inconclusive</b> .
Durham-Central Region	Durham is 2.9% less than the Central Region with a 3.8% margin of error. The confidence interval is <b>inconclusive</b> .

#### Comparison between 2009 and 2007 Durham Results

2009 is 6.5% less than 2007 with a 5.8% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 0.7 and 12.3 percentage points less than 2007. The effect size is small, *Cohen's h* = 0.20.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.



**Table 119. QN47 Percentage of students who used heroin one or more times during their life**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
Total	3.5	491	2.5	5257	3.2	1458
Race/Ethnicity						
Black	3.5	282	2.7	799	2.4	295
Hispanic/Latino	1.9	54	3.1	425	3.3	151
White	0.8	131	1.9	3467	2.1	807
Other	4.2	24	2.9	475	...	176
Gender						
Male	6.0	183	3.3	2555	4.1	700
Female	1.8	332	1.7	2681	2.0	750
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Significant contingency, $X^2_{df=5}=14.0$ , $p=0.016$ . Male students were more likely than expected to have used heroin three to nine times in their lives, standardized residual= 2.2.					
Comparisons with Statewide and Regional Results						
Durham-North Carolina	Durham is 1.0% more than North Carolina with a 2.1% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 0.3% more than the Central Region with a 2.4% margin of error. The confidence interval is <b>inconclusive</b> .					
Comparison between 2009 and 2007 Durham Results						
2009 is 2.4% less than 2007 with a 3.7% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 120. QN48 Percentage of students who used methamphetamines one or more times during their life**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
Total	3.5	490	3.4	5668	4.0	1872
Race/Ethnicity						
Black	2.8	281	2.3	931	3.0	428
Hispanic/Latino	1.9	54	6.7	465	7.3	192
White	2.3	131	3.2	3659	2.9	999
Other	0.0	24	5.3	515	...	216
Gender						
Male	4.9	182	4.6	2744	5.2	891
Female	2.1	331	2.2	2902	2.8	972
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
Comparisons with Statewide and Regional Results						
Durham-North Carolina	Durham is 0.1% more than North Carolina with a 2.2% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 0.5% less than the Central Region with a 2.4% margin of error. The confidence interval is <b>inconclusive</b> .					
Comparison between 2009 and 2007 Durham Results						
2009 is 2.7% less than 2007 with a 3.8% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 121. QN49 Percentage of students who used ecstasy one or more times during their life**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
Total	4.6	482	5.4	5658	7.3	1873
Race/Ethnicity						
Black	2.2	273	2.6	926	3.5	424
Hispanic/Latino	1.9	54	7.5	465	8.8	194
White	6.9	131	6.0	3655	7.5	1000
Other	8.0	25	8.7	514	9.7	217
Gender						
Male	5.1	177	6.7	2740	9.1	893
Female	3.7	328	4.1	2897	5.4	971
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
Comparisons with Statewide and Regional Results						
Durham-North Carolina	Durham is 0.8% less than North Carolina with a 2.5% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 2.7% less than the Central Region with a 2.8% margin of error. The confidence interval is <b>inconclusive</b> .					
Comparison between 2009 and 2007 Durham Results						
2009 is the same as 2007 with a 3.6% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 122. QN50 Percentage of students who took steroid pills or shots without a doctor's prescription one or more times during their life**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
Total	3.1	490	3.8	5678	4.5	1878
Race/Ethnicity						
Black	2.8	282	3.7	933	4.2	428
Hispanic/Latino	0.0	54	4.4	468	3.6	195
White	3.8	131	3.2	3661	3.8	1000
Other	0.0	25	6.3	516	6.4	217
Gender						
Male	5.5	183	5.3	2753	6.5	897
Female	1.5	331	2.3	2904	2.5	972
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
Comparisons with Statewide and Regional Results						
Durham-North Carolina	Durham is 0.7% less than North Carolina with a 2.1% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 1.4% less than the Central Region with a 2.3% margin of error. The confidence interval is <b>inconclusive</b> .					
Comparison between 2009 and 2007 Durham Results						
2009 is 3.2% less than 2007 with a 3.7% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 123. QN51 Percentage of students who used a needle to inject any illegal drug into their body one or more times during their life**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	2.7	490	2.2	5664	3.0	1876
<b>Race/Ethnicity</b>						
Black	2.5	281	2.5	932	3.0	429
Hispanic/Latino	1.9	54	4.4	465	5.6	195
White	0.8	131	1.7	3655	2.0	998
Other	4.0	25	1.8	515	3.2	217
<b>Gender</b>						
Male	5.0	181	3.1	2742	3.9	894
Female	0.6	332	1.3	2904	2.1	974

#### Durham County Contingencies

Race × Behavior Inconclusive.

Gender × Behavior Significant contingency,  $\chi^2_{df=2}=12.0$ ,  $p=0.002$ . Male students were more likely than expected to have used a needle to inject illegal drugs two or more times in their lives, standardized residual= 2.4.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina Durham is 0.5% more than North Carolina with a 1.9% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 0.3% less than the Central Region with a 2.1% margin of error. The confidence interval is **inconclusive**.

#### Comparison between 2009 and 2007 Durham Results

2009 is 1.7% less than 2007 with a 3.2% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 124. QN52 Percentage of students who have taken a prescription drug (such as OxyContin, Percocet, Vicodin, Adderall, Ritalin, or Xanax) without a doctor's prescription one or more times during their life**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	17.1	491	20.5	5651	20.2	1872
<b>Race/Ethnicity</b>						
Black	12.8	282	12.4	926	10.3	427
Hispanic/Latino	5.6	54	19.3	463	17.6	193
White	25.2	131	25.1	3648	24.9	996
Other	26.9	26	19.3	514	19.8	217
<b>Gender</b>						
Male	21.3	183	20.6	2739	19.9	894
Female	13.6	332	20.2	2893	20.3	969

#### Durham County Contingencies

Race × Behavior Inconclusive.

Gender × Behavior Significant contingency,  $\chi^2_{df=5}=12.2$ ,  $p=0.032$ . Male students were more likely than expected to have taken prescription drugs without a doctor's prescription 40 or more times in their lives, standardized residual= 2.2.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina Durham is 3.4% less than North Carolina with a 4.5% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 3.1% less than the Central Region with a 4.8% margin of error. The confidence interval is **inconclusive**.

#### Comparison between 2009 and 2007 Durham Results

2009 is 4.4% more than 2007 with a 6.1% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 125. QN53 Percentage of students who were offered, sold, or given an illegal drug by someone on school property during the past 12 months**

	<b>Durham</b>		<b>North Carolina</b>		<b>Central Region</b>	
	<b>%</b>	<b>N*</b>	<b>%</b>	<b>N*</b>	<b>%</b>	<b>N*</b>
<b>Total</b>	34.3	487	30.2	5643	32.8	1860
<b>Race/Ethnicity</b>						
Black	28.7	282	26.0	922	29.0	420
Hispanic/Latino	49.1	53	44.0	464	42.3	194
White	43.2	132	31.2	3647	32.0	992
Other	28.0	25	28.3	514	33.8	216
<b>Gender</b>						
Male	40.3	181	37.2	2730	38.9	884
Female	29.9	331	23.4	2895	27.1	967
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	Durham is 4.1% more than North Carolina with a 5.6% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 1.5% more than the Central Region with a .0% margin of error. The confidence interval is <b>inconclusive</b> .					
<b>Comparison between 2009 and 2007 Durham Results</b>						
2009 is 2.8% less than 2007 with an 8.3% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 126. QN54 Percentage of students who ever had sexual intercourse**

	<b>Durham</b>		<b>North Carolina</b>		<b>Central Region</b>	
	%	N*	%	N*	%	N*
<b>Total</b>	55.6	487	51.1	5311	45.2	1749
<b>Race/Ethnicity</b>						
Black	60.0	280	64.6	855	57.7	385
Hispanic/Latino	58.5	53	55.4	412	53.2	173
White	40.5	131	43.7	3486	38.8	959
Other	68.0	25	45.9	479	...	202
<b>Gender</b>						
Male	56.9	181	54.2	2529	49.3	814
Female	54.5	330	48.2	2766	41.7	929

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 4.5% more than North Carolina with a 6.4% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 10.4 % more than the Central Region with a 7.0% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is **significant**; therefore, Durham is between 3.4 and 17.4 percentage points more than the Central Region. The effect size is small, *Cohen's h* = 0.21.

**Comparison between 2009 and 2007 Durham Results**

2009 is 10.8% more than 2007 with a 9.5% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 1.3 and 20.3 percentage points more than 2007. The effect size is small, *Cohen's h* = 0.22.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.



**Table 127. QN55 Percentage of students who had sexual intercourse for the first time before age 13 years**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	9.7	485	7.5	5271	6.4	1736
<b>Race/Ethnicity</b>						
Black	10.4	280	11.7	847	9.7	382
Hispanic/Latino	7.8	51	11.2	410	9.9	172
White	2.3	131	4.3	3461	2.6	952
Other	23.1	26	12.0	476	...	202
<b>Gender</b>						
Male	14.4	181	10.1	2508	7.9	806
Female	6.4	328	5.1	2747	4.9	926

**Durham County Contingencies**

Race × Behavior      Significant contingency,  $\chi^2_{df=21}=47.8$ ,  $p=0.001$ . Hispanic students were more likely than expected to have had sexual intercourse for the first time at age 14, standardized residual= 2.0.

Gender × Behavior      Significant contingency,  $\chi^2_{df=7}=23.2$ ,  $p=0.002$ . Male students were more likely than expected to have had sexual intercourse for the first time at age 13, standardized residual= 2.1.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina      Durham is 2.2% more than North Carolina with a 3.8% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 3.3% more than the Central Region with a 4.0% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 4.8% less than 2007 with a 6.3% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 128. QN56 Percentage of students who had sexual intercourse with four or more people during their life**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	20.0	490	15.7	5297	13.3	1742
<b>Race/Ethnicity</b>						
Black	23.4	282	25.4	848	22.7	384
Hispanic/Latino	15.1	53	13.7	413	13.4	172
White	10.7	131	10.5	3480	8.8	956
Other	24.0	25	13.9	476	...	200
<b>Gender</b>						
Male	24.2	182	19.2	2521	16.0	810
Female	17.1	333	12.2	2761	10.7	927

**Durham County Contingencies**

Race × Behavior      Significant contingency,  $\chi^2_{df=18}=33.0$ ,  $p=0.017$ . Students of “other” races were more likely than expected to have had sexual intercourse with three different people in their lives, standardized residual= 2.1.

Gender × Behavior      Significant contingency,  $\chi^2_{df=6}=21.8$ ,  $p=0.001$ . Male students were more likely than expected to have had sexual intercourse with six or more people in their lives, standardized residual= 3.3.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina      Durham is 4.3% more than North Carolina with a 5.1% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 6.7 % more than the Central Region with a 5.4% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is **significant**; therefore, Durham is between 1.3 and 12.1 percentage points more than the Central Region. The effect size is small, *Cohen’s h* = 0.18.

**Comparison between 2009 and 2007 Durham Results**

2009 is 7.4% more than 2007 with a 6.9% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 0.5 and 14.3 percentage points more than 2007. The effect size is small, *Cohen’s h* = 0.20.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 129. QN57 Percentage of students who had sexual intercourse with one or more people during the past three months**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	40.4	490	36.6	5300	32.1	1747
<b>Race/Ethnicity</b>						
Black	43.3	282	44.7	847	38.2	385
Hispanic/Latino	42.6	54	38.2	414	37.6	173
White	28.2	131	31.6	3482	27.5	958
Other	50.0	26	37.0	477	...	201
<b>Gender</b>						
Male	39.6	182	37.5	3523	33.7	814
Female	41.3	332	35.7	2762	30.5	928

#### Durham County Contingencies

Race × Behavior Inconclusive.

Gender × Behavior Significant contingency,  $\chi^2_{df=6}=33.2$ ,  $p<0.0001$ . Male students were more likely than expected to have had sexual intercourse with one person and six or more people in the past three months, standardized residuals= 2.8 and 2.4.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina Durham is 3.8% more than North Carolina with a 6.3% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 8.3 % more than the Central Region with a 6.8% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is **significant**; therefore, Durham is between 1.5 and 15.1 percentage points more than the Central Region. The effect size is small, *Cohen's h* = 0.17.

#### Comparison between 2009 and 2007 Durham Results

2009 is 11.4% more than 2007 with a 9.0% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 2.4 and 20.4 percentage points more than 2007. The effect size is small, *Cohen's h* = 0.24.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 130. QN58 Among students who had sexual intercourse during the past three months, the percentage who drank alcohol or used drugs before last sexual intercourse**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	23.8	260	19.3	1739	20.0	359
<b>Race/Ethnicity</b>						
Black	23.3	159	15.3	359	15.0	147
Hispanic/Latino	6.3	32	15.1	143	...	65
White	34.0	50	22.7	1042	24.0	262
Other	25.0	50	...	157	...	70
<b>Gender</b>						
Male	31.3	99	24.1	814	24.2	273
Female	18.5	173	14.6	916	15.9	283

**Durham County Contingencies**

Race × Behavior	Inconclusive.
Gender × Behavior	Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina	Durham is 4.5% more than North Carolina with a 7.7% margin of error. The confidence interval is <b>inconclusive</b> .
Durham-Central Region	Durham is 3.8% more than the Central Region with a 9.2% margin of error. The confidence interval is <b>inconclusive</b> .

**Comparison between 2009 and 2007 Durham Results**

2009 is 1.0% more than 2007 with a 11.5% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 131. QN59 Among students who had sexual intercourse during the past three months, the percentage who used a condom during last sexual intercourse**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	60.7	262	60.7	1729	61.5	553
<b>Race/Ethnicity</b>						
Black	59.4	160	57.2	357	57.9	145
Hispanic/Latino	50.0	32	59.8	142	...	64
White	66.0	50	61.8	1037	63.6	261
Other	64.7	17	...	155	...	68
<b>Gender</b>						
Male	75.8	99	65.5	810	66.9	272
Female	49.7	173	56.0	911	56.3	279

**Durham County Contingencies**

Race × Behavior	Inconclusive.
Gender × Behavior	Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina	Durham is the same as North Carolina with an 8.9% margin of error. The confidence interval is <b>inconclusive</b> .
Durham-Central Region	Durham is 0.8% less than the Central Region with a 10.0% margin of error. The confidence interval is <b>inconclusive</b> .

**Comparison between 2009 and 2007 Durham Results**

2009 is 6.2% less than 2007 with a 13.1% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 132. QN60 Percentage of students whose partner was three or more years older the last time they had sexual intercourse**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
Total	8.0	489	10.1	5221	8.1	1445
Race/Ethnicity						
Black	8.2	279	15.3	789	11.0	291
Hispanic/Latino	5.8	52	12.3	423	11.3	150
White	3.8	130	6.9	3450	5.2	801
Other	12.0	25	14.8	470	...	174
Gender						
Male	5.6	180	6.0	2537	4.0	695
Female	10.0	331	14.0	2665	11.8	743
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
Comparisons with Statewide and Regional Results						
Durham-North Carolina	Durham is 2.1% less than North Carolina with a 3.5% margin of error. The fconfidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 0.1% less than the Central Region with a 3.9% margin of error. The confidence interval is <b>inconclusive</b> .					
Comparison between 2009 and 2007 Durham Results						
Not applicable. This question was not asked in 2007.						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 133. QN61Percentage of students who usually talk with teacher or other adult in this school when they have questions about sexually transmitted diseases (STD), HIV, AIDS, or pregnancy prevention**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	5.9	488	3.2	5199	2.7	1440
<b>Race/Ethnicity</b>						
Black	5.0	282	3.7	783	2.4	288
Hispanic/Latino	3.8	52	4.8	419	2.7	150
White	8.5	129	2.5	3437	2.1	798
Other	7.7	26	5.4	473	...	175
<b>Gender</b>						
Male	6.7	180	3.0	2530	2.4	694
Female	5.5	330	3.3	2649	2.8	738

#### Durham County Contingencies

Race × Behavior Significant contingency,  $\chi^2_{df=21}=18.2$ ,  $p=0.004$ . Hispanic students were more likely than expected to speak with a religious leader about STDS, HIV, AIDS, or pregnancy prevention, standardized residual= 2.4.

Gender × Behavior Significant contingency,  $\chi^2_{df=7}=27.0$ ,  $p<0.0001$ . Male students were more likely than expected to not have questions about STDS, HIV, AIDS, or pregnancy prevention, standardized residual= 2.4.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina Durham is 2.7% more than North Carolina with a 3.0% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 3.2 % more than the Central Region with a 3.1% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is **significant**; therefore, Durham is between 0.1 and 6.3 percentage points more than the Central Region. The effect size is small, *Cohen's h* = 0.16.

#### Comparison between 2009 and 2007 Durham Results

Not applicable. This question was not asked in 2007.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 134. QN62 Percentage of students who described themselves as slightly or very overweight**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
Total	29.3	488	28.0	5647	27.5	1867
Race/Ethnicity						
Black	25.0	280	29.7	926	25.8	426
Hispanic/Latino	43.4	53	31.6	465	35.8	193
White	30.5	131	26.9	3643	26.1	993
Other	30.8	26	29.0	515	31.2	218
Gender						
Male	24.4	180	23.0	2744	21.8	894
Female	32.9	331	32.9	2882	32.6	965
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
Comparisons with Statewide and Regional Results						
Durham-North Carolina	Durham is 1.3% more than North Carolina with a 5.8% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 1.8% more than the Central Region with a 6.2% margin of error. The confidence interval is <b>inconclusive</b> .					

**Comparison between 2009 and 2007 Durham Results**

2009 is 8.5% more than 2007 with an 8.0% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 0.5 and 16.5 percentage points more than 2007. The effect size is small, *Cohen's h* = 0.20.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.



**Table 135. QN63 Percentage of students who were trying to lose weight**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
Total	46.9	486	46.2	5645	46.5	1865
Race/Ethnicity						
Black	43.7	279	42.9	924	39.2	423
Hispanic/Latino	56.6	53	49.3	464	52.1	194
White	46.2	130	48.2	3646	48.7	994
Other	53.8	26	42.8	515	47.3	218
Gender						
Male	34.8	178	29.8	2738	30.2	891
Female	55.8	330	61.8	2888	61.6	966
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Significant contingency, $X^2_{df=3}=35.5$ , $p<0.0001$ . Male students were more likely than expected to report that they were trying to gain weight, standardized residual= 4.0.					
Comparisons with Statewide and Regional Results						
Durham-North Carolina	Durham is 0.7% more than North Carolina with a 6.3% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 0.4% more than the Central Region with a 6.8% margin of error. The confidence interval is <b>inconclusive</b> .					
Comparison between 2009 and 2007 Durham Results						
2009 is 7.8% more than 2007 with a 9.2% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 136. QN64 Percentage of students who exercised to lose weight or to keep from gaining weight during the past 30 days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
Total	59.3	479	61.9	5591	62.2	1849
Race/Ethnicity						
Black	54.2	273	58.0	914	53.8	422
Hispanic/Latino	64.8	54	64.9	461	64.8	193
White	69.0	129	64.1	3618	66.4	988
Other	57.7	26	57.3	508	...	213
Gender						
Male	58.9	175	55.9	2699	52.9	882
Female	59.1	328	67.5	2875	70.6	960
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
Comparisons with Statewide and Regional Results						
Durham-North Carolina	Durham is 2.6 % less than North Carolina with a 6.3% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 2.9% less than the Central Region with a 6.8% margin of error. The confidence interval is <b>inconclusive</b> .					
Comparison between 2009 and 2007 Durham Results						
2009 is 0.4% less than 2007 with a 9.0% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 137. QN65 Percentage of students who ate less food, fewer calories, or foods low in fat to lose weight or to keep from gaining weight during the past 30 days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	39.3	484	36.2	5614	38.7	1853
<b>Race/Ethnicity</b>						
Black	32.7	278	26.2	916	25.7	421
Hispanic/Latino	48.1	54	37.6	458	40.5	190
White	47.7	130	41.6	3635	43.5	991
Other	42.3	26	34.9	514	...	217
<b>Gender</b>						
Male	32.8	177	26.1	2713	26.5	886
Female	43.8	331	45.8	2884	49.9	961

**Durham County Contingencies**

Race × Behavior	Inconclusive.
Gender × Behavior	Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina	Durham is 3.1% more than North Carolina with a 6.2% margin of error. The confidence interval is <b>inconclusive</b> .
Durham-Central Region	Durham is 0.6% more than the Central Region with a 6.7% margin of error. The confidence interval is <b>inconclusive</b> .

**Comparison between 2009 and 2007 Durham Results**

2009 is 5.7% more than 2007 with a 9.1% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 138. QN66 Percentage of students who took any diet pills, powders, or liquids without a doctor's advice to lose weight or to keep from gaining weight during the past 30 days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	6.5	480	5.1	5607	5.5	1848
<b>Race/Ethnicity</b>						
Black	7.6	276	5.1	917	6.2	420
Hispanic/Latino	0.0	54	6.3	455	5.3	188
White	2.3	130	5.0	3635	5.4	991
Other	16.0	25	3.7	510	...	215
<b>Gender</b>						
Male	5.1	175	4.1	2710	4.6	882
Female	7.6	330	6.0	2880	6.2	959

#### Durham County Contingencies

Race × Behavior      Significant contingency,  $\chi^2_{df=3}=12.7$ ,  $p=0.005$ . Students of “other” races were more likely than expected to take diet pills, powders, or liquids to lose weight or keep from gaining weight, standardized residual= 2.1.

Gender × Behavior      Inconclusive.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina      Durham is 1.4% more than North Carolina with a 3.1% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 1.0% more than the Central Region with a 3.3% margin of error. The confidence interval is **inconclusive**.

#### Comparison between 2009 and 2007 Durham Results

2009 is 0.9% less than 2007 with a 4.8% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 139. QN67 Percentage of students who have ever vomited or taken laxatives in order to lose weight or to keep from gaining weight**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	5.9	476	4.8	5594	5.3	1841
<b>Race/Ethnicity</b>						
Black	6.3	269	5.0	916	5.0	420
Hispanic/Latino	3.7	54	8.8	451	7.1	184
White	3.1	130	4.3	3629	4.8	992
Other	8.0	25	3.4	510	...	214
<b>Gender</b>						
Male	2.4	170	3.5	2696	3.8	874
Female	7.9	329	6.1	2881	6.6	961

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 1.1% more than North Carolina with a 3.0% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 0.6% more than the Central Region with a 3.2% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 1.6% less than 2007 with a 4.8% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 140. QN68 Percentage of students who have skipped meals during the past 30 days in order to lose weight or to keep from gaining weight**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	23.0	470	21.1	5142	22.3	1411
<b>Race/Ethnicity</b>						
Black	19.9	271	16.9	776	14.2	282
Hispanic/Latino	30.2	53	26.8	406	28.0	143
White	21.3	127	21.8	3418	23.3	794
Other	30.4	23	21.2	462	...	167
<b>Gender</b>						
Male	13.5	170	14.1	2485	13.8	675
Female	29.6	324	27.3	2638	29.7	728

#### Durham County Contingencies

Race × Behavior Inconclusive.

Gender × Behavior Significant contingency,  $\chi^2_{df=1}=15.8$ ,  $p<0.0001$ . Female students were more likely than expected to skip meals to lose weight or to keep from gaining weight, standardized residual= 2.0.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina Durham is 1.9% more than North Carolina with a 5.4% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 0.7% more than the Central Region with a 6.0% margin of error. The confidence interval is **inconclusive**.

#### Comparison between 2009 and 2007 Durham Results

Not applicable. This question was not asked in 2007.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 141. QN69 Percentage of students who drank 100% fruit juices one or more times during the past seven days**

	<b>Durham</b>		<b>North Carolina</b>		<b>Central Region</b>	
	%	N*	%	N*	%	N*
<b>Total</b>	78.2	486	78.1	5633	79.1	1863
<b>Race/Ethnicity</b>						
Black	79.6	279	82.1	920	82.1	424
Hispanic/Latino	81.1	53	85.5	459	84.8	191
White	76.9	130	75.4	3641	77.1	993
Other	72.0	25	74.3	518	77.3	220
<b>Gender</b>						
Male	80.0	180	79.7	2724	80.9	890
Female	77.0	330	76.8	2885	77.7	964
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	Durham is 0.1% more than North Carolina with a 5.5% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 0.9% less than the Central Region with a 5.9% margin of error. The confidence interval is <b>inconclusive</b> .					
<b>Comparison between 2009 and 2007 Durham Results</b>						
2009 is 3.2% less than 2007 with a 7.9% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 142. QN70 Percentage of students who ate fruit one or more times during the past seven days**

	<b>Durham</b>		<b>North Carolina</b>		<b>Central Region</b>	
	%	N*	%	N*	%	N*
<b>Total</b>	82.0	484	82.5	5204	83.4	1437
<b>Race/Ethnicity</b>						
Black	77.3	278	76.6	787	72.9	288
Hispanic/Latino	88.9	54	87.2	415	83.6	146
White	90.7	129	84.9	3444	85.8	802
Other	80.0	25	85.4	470	...	174
<b>Gender</b>						
Male	84.9	179	83.1	2527	83.8	692
Female	80.5	328	82.1	2659	83.2	738

**Durham County Contingencies**

Race × Behavior      Significant contingency,  $\chi^2_{df=18}=36.9$ ,  $p=0.005$ . Black students were more likely than expected to not eat fruit at all, standardized residuals= 3.0 and 2.0.

Gender × Behavior      Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina      Durham is 0.5% less than North Carolina with a 5.2% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 1.4% less than the Central Region with a 5.7% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 0.6% less than 2007 with a 7.6% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.



**Table 143. QN71 Percentage of students who ate green salad one or more times during the past seven days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
Total	64.1	484	56.4	5228	60.1	1445
Race/Ethnicity						
Black	59.2	277	41.7	789	44.7	291
Hispanic/Latino	47.2	53	58.8	421	60.4	149
White	76.9	130	63.2	3455	65.8	801
Other	70.8	24	60.6	475	...	177
Gender						
Male	58.4	178	51.6	2541	53.9	697
Female	67.8	326	61.2	2667	66.1	740
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
Comparisons with Statewide and Regional Results						
Durham-North Carolina	Durham is 7.7 % more than North Carolina with a 6.5% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is <b>significant</b> ; therefore, Durham is between 1.2 and 14.2 percentage points more than North Carolina. The effect size is small, <i>Cohen’s h</i> = 0.16.					
Durham-Central Region	Durham is 4.0% more than the Central Region with a 7.2% margin of error. The confidence interval is <b>inconclusive</b> .					
Comparison between 2009 and 2007 Durham Results						
2009 is 8.1% more than 2007 with a 9.7% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 144. QN72 Percentage of students who ate potatoes one or more times during the past seven days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
Total	60.8	480	67.2	5225	69.8	1442
Race/Ethnicity						
Black	57.5	275	59.6	789	64.8	290
Hispanic/Latino	47.2	53	63.4	470	63.8	149
White	72.3	130	72.2	3455	73.7	801
Other	60.9	23	59.7	474	...	176
Gender						
Male	62.6	179	67.9	2540	69.6	739
Female	59.6	324	66.5	2665	69.6	739
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
Comparisons with Statewide and Regional Results						
Durham-North Carolina	Durham is 6.4% less than North Carolina with a 6.6% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 9.0 % less than the Central Region with a 7.2% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is <b>significant</b> ; therefore, Durham is between 1.8 and 16.2 percentage points less than the Central Region. The effect size is small, <i>Cohen’s h</i> = 0.19.					
Comparison between 2009 and 2007 Durham Results						
2009 is 4.6% more than 2007 with a 9.8% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 145. QN73 Percentage of students who ate carrots one or more times during the past seven days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	35.6	477	36.5	5215	40.2	1441
<b>Race/Ethnicity</b>						
Black	25.5	271	21.1	789	24.1	290
Hispanic/Latino	26.9	52	40.3	419	41.6	149
White	55.4	130	42.4	3450	43.5	802
Other	41.7	24	45.5	471	...	174
<b>Gender</b>						
Male	40.9	176	37.0	2530	40.5	694
Female	31.5	324	36.2	2665	39.9	739

**Durham County Contingencies**

Race × Behavior      Significant contingency,  $\chi^2_{df=18}=59.3$ ,  $p<0.0001$ . White students were more likely than expected to eat carrots one to three days, standardized residuals=4.0.

Gender × Behavior      Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina      Durham is 0.9% less than North Carolina with a 6.5% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 4.6% less than the Central Region with a 7.2% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 1.6% more than 2007 with a 9.4% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 146. QN74 Percentage of students who ate other vegetables one or more times during the past seven days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	82.4	484	82.6	5222	83.4	1442
<b>Race/Ethnicity</b>						
Black	84.2	278	78.2	789	77.9	290
Hispanic/Latino	70.4	54	76.9	418	77.0	290
White	87.9	132	85.5	3455	86.9	802
Other	75.0	24	84.4	473	...	176
<b>Gender</b>						
Male	82.1	179	81.6	2535	83.0	693
Female	82.6	328	83.9	2667	84.1	741

**Durham County Contingencies**

Race × Behavior      Significant contingency,  $\chi^2_{df=18}=43.1$ ,  $p=0.001$ . Hispanic students were more likely than expected to not eat other vegetables at all in the past seven days, standardized residual=2.3.

Gender × Behavior      Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina      Durham is 0.2% less than North Carolina with a 5.1% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 1.0% less than the Central Region with a 5.6% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 2.3% more than 2007 with a 7.8% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 147. QN75 Percentage of students who drank a can, bottle, or glass of soda or pop one or more times per day during the past seven days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	81.9	481	32.5	5208	28.7	1438
<b>Race/Ethnicity</b>						
Black	84.4	275	29.4	788	23.5	289
Hispanic/Latino	92.3	52	24.7	415	21.8	147
White	73.3	131	35.3	3446	31.8	799
Other	83.3	24	28.6	473	...	176
<b>Gender</b>						
Male	82.6	178	36.4	2532	34.0	695
Female	81.2	325	28.8	2656	23.6	736
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	Durham is 49.4 % more than North Carolina with a 5.3% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is <b>significant</b> ; therefore, Durham is between 44.1 and 54.7 percentage points more than North Carolina. The effect size is large, <i>Cohen's h</i> = 1.05.					
Durham-Central Region	Durham is 53.2 % more than the Central Region with a 6.0% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is <b>significant</b> ; therefore, Durham is between 47.2 and 59.2 percentage points more than the Central Region. The effect size is large, <i>Cohen's h</i> = 1.13.					
<b>Comparison between 2009 and 2007 Durham Results</b>						
2009 is 1.3% less than 2007 with a 7.5% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 148. QN76 Percentage of students who drank a can, bottle, or glass of other sweetened beverages one or more times per day during the past seven days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	89.2	473	38.9	5147	36.1	1417
<b>Race/Ethnicity</b>						
Black	92.3	271	41.9	773	41.6	281
Hispanic/Latino	92.5	52	29.3	416	26.7	146
White	80.0	130	38.5	3410	35.7	790
Other	91.3	23	38.9	462	...	174
<b>Gender</b>						
Male	90.9	175	43.5	2491	40.7	680
Female	88.1	320	34.6	2635	32.0	729

#### Durham County Contingencies

Race × Behavior      Significant contingency,  $\chi^2_{df=18}=53.8$ ,  $p<0.0001$ . Hispanic students were more likely than expected to drink sweetened beverages one to three times in the past seven days, standardized residual= 2.4.

Gender × Behavior      Inconclusive.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina      Durham is 50.3 % more than North Carolina with a 4.5% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is **significant**; therefore, Durham is between 45.8 and 54.8 percentage points more than North Carolina. The effect size is large, *Cohen's h* = 1.12.

Durham-Central Region      Durham is 53.1 % more than the Central Region with a 5.4% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is **significant**; therefore, Durham is between 47.7 and 58.5 percentage points more than the Central Region. The effect size is large, *Cohen's h* = 1.18.

#### Comparison between 2009 and 2007 Durham Results

2009 is 5.3% more than 2007 with a 6.9% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 149. QN77 Percentage of students who ate breakfast on seven of the past seven days**

	<b>Durham</b>		<b>North Carolina</b>		<b>Central Region</b>	
	%	N*	%	N*	%	N*
<b>Total</b>	26.5	479	34.2	5632	36.8	1861
<b>Race/Ethnicity</b>						
Black	20.8	274	25.3	921	28.2	425
Hispanic/Latino	31.5	54	36.0	460	38.5	192
White	41.1	129	39.4	3638	41.2	991
Other	20.8	24	29.1	517	31.6	218
<b>Gender</b>						
Male	25.0	176	35.9	2725	39.8	888
Female	27.9	326	32.5	2885	34.0	964
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	Durham is 7.7% less than North Carolina with a 6.0% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 10.3 % less than the Central Region with a 6.5% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is <b>significant</b> ; therefore, Durham is between 3.8 and 16.8 percentage points less than the Central Region. The effect size is small, <i>Cohen's h</i> = 0.22.					
<b>Comparison between 2009 and 2007 Durham Results</b>						
2009 is 0.4% less than 2007 with an 8.8% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 150. QN78 Percentage of students who ate dinner at home with their family on three or more of the past seven days**

	<b>Durham</b>		<b>North Carolina</b>		<b>Central Region</b>	
	%	N*	%	N*	%	N*
<b>Total</b>	69.7	479	75.0	5193	74.8	1434
<b>Race/Ethnicity</b>						
Black	67.8	276	69.5	783	67.4	288
Hispanic/Latino	73.1	52	72.2	415	77.6	147
White	76.0	129	78.9	3432	78.1	795
Other	64.0	25	72.4	474	...	176
<b>Gender</b>						
Male	70.5	176	74.2	2522	74.9	690
Female	69.7	327	75.9	2651	74.7	736
<b>Durham County Contingencies</b>						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
<b>Comparisons with Statewide and Regional Results</b>						
Durham-North Carolina	Durham is 5.3% less than North Carolina with a 6.2% margin of error. The confidence interval is <b>inconclusive</b> .					
Durham-Central Region	Durham is 5.1% less than the Central Region with a 6.8% margin of error. The confidence interval is <b>inconclusive</b> .					
<b>Comparison between 2009 and 2007 Durham Results</b>						
2009 is 2.8% more than 2007 with a 9.3% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.



**Table 151. QN79 Percentage of students who, when they eat out, never or rarely choose foods that are low in fat, sugar, or calories, compared to the other foods available at that restaurant**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	58.1	472	60.8	5134	59.8	1421
<b>Race/Ethnicity</b>						
Black	65.7	268	70.8	775	69.5	285
Hispanic/Latino	73.1	52	58.7	406	39.4	143
White	42.2	128	55.7	3407	56.0	798
Other	46.2	26	63.4	460	...	169
<b>Gender</b>						
Male	57.9	171	67.3	2482	66.0	680
Female	58.0	324	54.5	2632	53.8	733

**Durham County Contingencies**

Race × Behavior	Inconclusive.
Gender × Behavior	Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina	Durham is 2.7% less than North Carolina with a 6.7% margin of error. The confidence interval is <b>inconclusive</b> .
Durham-Central Region	Durham is 1.7% less than the Central Region with a 7.4% margin of error. The confidence interval is <b>inconclusive</b> .

**Comparison between 2009 and 2007 Durham Results**

Not applicable. This question was not asked in 2007.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 152. QN80 Percentage of students who were physically active for a total of at least 60 minutes per day on five or more of the past seven days**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	38.0	479	46.0	5629	48.1	1856
<b>Race/Ethnicity</b>						
Black	36.3	273	39.2	921	41.4	423
Hispanic/Latino	28.8	52	36.2	461	37.5	192
White	45.0	131	51.4	3636	52.8	990
Other	41.7	24	43.1	516	...	217
<b>Gender</b>						
Male	52.0	175	56.7	2723	56.8	885
Female	27.9	326	36.0	2884	40.0	962

#### Durham County Contingencies

Race × Behavior Significant contingency,  $\chi^2_{df=21}=49.9$ ,  $p<0.0001$ . Hispanic students were more likely than expected to be physically active for one day in a week, standardized residual=2.5.

Gender × Behavior Significant contingency,  $\chi^2_{df=7}=34.0$ ,  $p<0.0001$ . Females were more likely than expected to not be physically active at all, standardized residual= 2.0.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina Durham is 8.0 % less than North Carolina with a 5.8% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is **significant**; therefore, Durham is between 2.2 and 13.8 percentage points less than North Carolina. The effect size is small, *Cohen's h* = 0.16.

Durham-Central Region Durham is 10.1 % more than the Central Region with a 6.3% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is **significant**; therefore, Durham is between 3.8 and 16.4 percentage points more than the Central Region. The effect size is small, *Cohen's h* = 0.20.

#### Comparison between 2009 and 2007 Durham Results

2009 is 1.8% less than 2007 with a 8.6% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 153. QN81 Percentage of students who watched three or more hours per day of TV on an average school day**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	41.1	475	36.2	5609	34.4	1853
<b>Race/Ethnicity</b>						
Black	50.4	274	54.6	918	55.8	421
Hispanic/Latino	42.3	52	37.3	458	37.5	192
White	21.3	127	26.4	3623	24.1	987
Other	37.5	24	34.1	516	...	218
<b>Gender</b>						
Male	38.5	174	37.1	2711	35.2	883
Female	42.7	323	35.4	2876	33.7	961

#### Durham County Contingencies

Race × Behavior      Significant contingency,  $\chi^2_{df=21}=65.1$ ,  $p<0.0001$ . Black students were more likely than expected to watch five or more hours per day, standardized residual=3.1.

Gender × Behavior      Inconclusive.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina      Durham is 4.9% more than North Carolina with a 5.9% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 6.7 % more than the Central Region with a 6.3% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is **significant**; therefore, Durham is between 0.4 and 13.0 percentage points more than the Central Region. The effect size is small, *Cohen's h* = 0.14.

#### Comparison between 2009 and 2007 Durham Results

2009 is 2.9% more than 2007 with a 8.7% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 154. QN82 Percentage of students who played video or computer games or used a computer for something that was not school work three or more hours per day on an average school day**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	24.2	471	23.5	5575	24.0	1847
<b>Race/Ethnicity</b>						
Black	24.6	268	26.5	910	27.8	421
Hispanic/Latino	18.9	53	21.3	452	21.1	190
White	24.8	129	21.3	3608	21.2	988
Other	29.2	24	33.1	513	...	216
<b>Gender</b>						
Male	29.2	171	28.2	2690	28.5	883
Female	20.1	324	19.1	2864	19.7	955

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 0.7% more than North Carolina with a 5.1% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 0.2% more than the Central Region with a 5.5% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 1.4% less than 2007 with a 7.7% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 155. QN83 Percentage of students who watch TV, play video games, or use a computer for something that is not school work three or more hours per day on an average Saturday or Sunday**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	50.4	478	52.1	5201	53.2	1439
<b>Race/Ethnicity</b>						
Black	54.9	275	58.6	785	61.6	289
Hispanic/Latino	37.0	54	51.4	415	52.7	148
White	47.2	127	49.1	3439	50.3	800
Other	45.8	24	54.0	476	...	177
<b>Gender</b>						
Male	51.1	176	51.8	2522	53.2	693
Female	50.3	324	52.6	2658	53.4	738

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 1.7% less than North Carolina with a 6.0% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 2.8% less than the Central Region with a 6.6% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

Not applicable. This question was not asked in 2007.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 156. QN84 Percentage of students who most of the time or always wear sunscreen with an SPF of 15 or higher when they are outside for more than one hour on a sunny day**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	9.9	475	8.5	5173	9.0	1428
<b>Race/Ethnicity</b>						
Black	8.4	273	4.6	780	5.2	288
Hispanic/Latino	0.0	53	6.6	414	8.2	146
White	17.2	128	10.3	3422	9.9	794
Other	8.0	25	10.8	473	...	175
<b>Gender</b>						
Male	10.3	174	5.4	2507	5.4	687
Female	9.6	324	11.4	2648	12.3	734

#### Durham County Contingencies

Race × Behavior      Significant contingency,  $\chi^2_{df=15}=57.5$ ,  $p<0.0001$ . White students were more likely than expected to “sometimes” use sun screen, standardized residual=3.5.

Gender × Behavior      Inconclusive.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina      Durham is 1.4% more than North Carolina with a 2.8% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 0.9% more than the Central Region with a 3.1% margin of error. The confidence interval is **inconclusive**.

#### Comparison between 2009 and 2007 Durham Results

2009 is 1.4% less than 2007 with a 4.3% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 157. QN85 Percentage of students who get eight or more hours of sleep on an average school night**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	19.4	475	28.8	5575	29.0	1837
<b>Race/Ethnicity</b>						
Black	19.5	272	23.6	913	23.3	417
Hispanic/Latino	17.0	53	33.6	457	33.3	189
White	21.9	128	32.0	3605	30.9	982
Other	16.0	25	23.8	510	28.7	216
<b>Gender</b>						
Male	20.8	173	29.1	2696	30.0	877
Female	17.8	325	28.6	2860	28.0	951

#### Durham County Contingencies

Race × Behavior	Significant contingency, $\chi^2_{df=18}=30.4$ , $p=0.034$ . White students were more likely than expected to get seven hours a sleep on an average school night, standardized residual=2.1.
Gender × Behavior	Inconclusive.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina	Durham is 9.4 % less than North Carolina with a 3.7% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is <b>significant</b> ; therefore, Durham is between 5.7 and 13.1 percentage points less than North Carolina. The effect size is small, <i>Cohen's h</i> = 0.22.
Durham-Central Region	Durham is 9.6 % less than the Central Region with a 4.1% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is <b>significant</b> ; therefore, Durham is between 5.5 and 13.7 percentage points less than the Central Region. The effect size is small, <i>Cohen's h</i> = 0.23.

#### Comparison between 2009 and 2007 Durham Results

2009 is 3.9% less than 2007 with a 5.7% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 158. QN86 Percentage of students who consider themselves to have a disability**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	12.9	472	11.4	5119	12.7	1417
<b>Race/Ethnicity</b>						
Black	13.2	272	10.4	775	11.3	284
Hispanic/Latino	5.8	52	14.5	406	14.6	144
White	10.3	126	11.0	3392	11.6	790
Other	20.8	24	15.8	465	...	175
<b>Gender</b>						
Male	9.8	173	10.5	2470	11.7	681
Female	14.9	322	12.0	2633	13.3	729

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 1.5% more than North Carolina with a 4.3% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 0.2% more than the Central Region with a 4.8% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 3.8% less than 2007 with a 6.9% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.



**Table 159. QN 87 Percentage of students who are alone without a parent or adult three or more hours on an average school day**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	38.9	476	26.4	5183	26.8	1435
<b>Race/Ethnicity</b>						
Black	40.6	276	34.8	785	37.9	290
Hispanic/Latino	39.6	53	25.2	415	23.6	148
White	36.8	125	22.1	3428	22.5	795
Other	30.8	26	27.6	472	...	177
<b>Gender</b>						
Male	41.4	174	27.3	2510	28.4	690
Female	36.9	325	25.4	2653	25.0	737

#### Durham County Contingencies

Race × Behavior	Inconclusive.
Gender × Behavior	Inconclusive.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina	Durham is 12.5 % more than North Carolina with a 6.2% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is <b>significant</b> ; therefore, Durham is between 6.3 and 18.7 percentage points more than North Carolina. The effect size is small, <i>Cohen's h</i> = 0.27.
Durham-Central Region	Durham is 12.1 % more than the Central Region with a 6.8% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is <b>significant</b> ; therefore, Durham is between 5.3 and 17.4 percentage points more than the Central Region. The effect size is small, <i>Cohen's h</i> = 0.26.

#### Comparison between 2009 and 2007 Durham Results

2009 is 11.6% more than 2007 with an 8.8% margin of error. The 95% confidence interval for the difference in proportions between 2009 and 2007 is **significant**; therefore, 2009 is between 2.8 and 20.4 percentage points more than 2007. The effect size is small, *Cohen's h* = 0.25.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 160. QN88 Percentage of students who last saw a doctor or nurse for a check-up or physical exam when they were not sick or injured during the past 12 months**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	66.4	473	64.1	5528	65.1	1830
<b>Race/Ethnicity</b>						
Black	61.7	274	63.7	896	65.2	414
Hispanic/Latino	57.7	52	56.9	453	55.8	190
White	80.2	126	66.1	3582	68.7	983
Other	69.6	23	57.2	507	...	213
<b>Gender</b>						
Male	62.6	174	63.8	2661	63.0	870
Female	68.8	324	64.3	2848	67.1	953

#### Durham County Contingencies

Race × Behavior      Significant contingency,  $\chi^2_{df=12}=29.9$ ,  $p=0.021$ . Hispanic students were more likely than expected to have seen a doctor or nurse between 12 and 24 months ago, standardized residual=2.3.

Gender × Behavior      Inconclusive.

#### Comparisons with Statewide and Regional Results

Durham-North Carolina      Durham is 2.3% more than North Carolina with a 6.1% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 1.3% more than the Central Region with a 6.6% margin of error. The confidence interval is **inconclusive**.

#### Comparison between 2009 and 2007 Durham Results

2009 is 6.7% more than 2007 with a 9.1% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 161. QN89 Percentage of students who last saw a dentist for a check-up, exam, teeth cleaning, or other dental work during the past 12 months**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	65.5	476	68.7	5600	71.3	1851
<b>Race/Ethnicity</b>						
Black	60.1	276	59.4	919	63.0	424
Hispanic/Latino	64.2	53	55.0	459	52.1	192
White	82.9	129	76.4	3618	80.4	987
Other	54.2	24	58.4	514	...	216
<b>Gender</b>						
Male	67.1	173	69.1	2701	70.9	884
Female	64.5	324	68.4	2879	71.5	959

**Durham County Contingencies**

Race × Behavior	Inconclusive.
Gender × Behavior	Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina	Durham is 3.2% less than North Carolina with a 6.1% margin of error. The confidence interval is <b>inconclusive</b> .
Durham-Central Region	Durham is 5.8% less than the Central Region with a 6.5% margin of error. The confidence interval is <b>inconclusive</b> .

**Comparison between 2009 and 2007 Durham Results**

2009 is 2.0% more than 2007 with a 9.1% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 162. QN90 Percentage of students who have ever been tested for HIV, the virus that causes AIDS**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	20.4	470	14.7	5140	12.8	1420
<b>Race/Ethnicity</b>						
Black	23.9	272	20.1	778	19.4	288
Hispanic/Latino	21.2	52	24.8	408	21.2	146
White	11.0	127	11.1	3407	9.3	789
Other	25.0	24	11.7	467	...	173
<b>Gender</b>						
Male	14.4	174	10.9	2475	10.0	173
Female	25.0	320	18.1	2647	15.3	733

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 5.7 % more than North Carolina with a 5.2% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is **significant**; therefore, Durham is between 0.5 and 10.9 percentage points more than North Carolina. The effect size is small, *Cohen's h* = 0.15.

Durham-Central Region Durham is 7.6 % more than the Central Region with a 5.5% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is **significant**; therefore, Durham is between 2.1 and 13.1 percentage points more than the Central Region. The effect size is small, *Cohen's h* = 0.21.

**Comparison between 2009 and 2007 Durham Results**

Not applicable. This question was not asked in 2007.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 163. QN91 Percentage of students who had ever been told by a doctor or nurse that they had asthma**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	22.1	470	21.8	5564	20.7	1839
<b>Race/Ethnicity</b>						
Black	24.3	272	24.8	918	24.1	424
Hispanic/Latino	3.8	52	23.5	448	23.9	188
White	21.4	126	19.9	3600	18.2	980
Other	35.0	24	22.8	507	...	215
<b>Gender</b>						
Male	18.7	171	22.3	2679	21.3	877
Female	24.3	321	21.3	2867	20.2	955

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 0.3% more than North Carolina with a 5.4% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 1.4% more than the Central Region with a 5.7% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 3.9% less than 2007 with an 8.3% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 164. QN92 Percentage of students who had been told by a doctor or nurse that they had asthma and who still have asthma**

	Durham		North Carolina <sup>1</sup>		Central Region <sup>1</sup>	
	%	N*	%	N*	%	N*
Total	41.4	186	10.8	5535	10.1	1829
Race/Ethnicity						
Black	45.6	114	12.5	914	11.4	421
Hispanic/Latino	17.6	17	10.0	444	11.3	186
White	45.2	42	9.9	3584	8.9	977
Other	33.3	12	12.3	503	...	214
Gender						
Male	34.7	72	9.3	2659	9.3	869
Female	47.9	121	12.2	2859	10.8	953
Durham County Contingencies						
Race × Behavior	Inconclusive.					
Gender × Behavior	Inconclusive.					
Comparisons with Statewide and Regional Results <sup>1</sup>						
Durham-North Carolina	Comparison not made—it appears the wrong data were entered for the state.					
Durham-Central Region	Comparison not made—it appears the wrong data were entered for the region.					
Comparison between 2009 and 2007 Durham Results						
2009 is 3.5% less than 2007 with a 15.0% margin of error. The confidence interval is <b>inconclusive</b> .						

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 165. QN93 Percentage of students who strongly agree or agree that they feel alone in their lives**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	22.2	473	18.7	5160	19.5	1423
<b>Race/Ethnicity</b>						
Black	25.9	274	20.8	781	21.5	288
Hispanic/Latino	24.1	54	20.0	412	19.9	146
White	8.6	128	16.9	3417	17.2	793
Other	30.4	23	23.2	467	...	172
<b>Gender</b>						
Male	20.2	173	18.3	2500	19.0	683
Female	23.2	323	18.8	2642	19.4	732

**Durham County Contingencies**

Race × Behavior      Significant contingency,  $\chi^2_{df=12}=47.2$ ,  $p<0.0001$ . Hispanic students were more likely than expected in reporting that they were “not sure” if they felt alone, standardized residual=3.1.

Gender × Behavior      Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina      Durham is 3.5% more than North Carolina with a 5.1% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region      Durham is 2.7% more than the Central Region with a 5.6% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 1.8% less than 2007 with a 7.7% margin of error. The confidence interval is **inconclusive**.

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\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 166. QN94 Percentage of students who strongly agree or agree that they feel good about themselves**

	<b>Durham</b>		<b>North Carolina</b>		<b>Central Region</b>	
	%	N*	%	N*	%	N*
<b>Total</b>	75.8	471	76.7	5586	76.5	1840
<b>Race/Ethnicity</b>						
Black	72.5	271	82.5	915	84.5	420
Hispanic/Latino	73.1	52	79.5	454	81.4	188
White	74.8	127	73.8	3606	73.5	986
Other	79.2	24	73.9	513	...	215
<b>Gender</b>						
Male	79.7	172	82.5	2690	82.8	878
Female	73.6	322	71.3	2869	70.5	954

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 0.9% less than North Carolina with a 5.3% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 0.7% less than the Central Region with a 5.7% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 0.4% more than 2007 with a 7.9% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.



**Table 167. QN95 Percentage of students who strongly agree or agree that their teachers really care about them and give them a lot of encouragement**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	57.9	475	54.5	5587	54.2	1840
<b>Race/Ethnicity</b>						
Black	58.8	274	50.9	917	51.1	421
Hispanic/Latino	60.0	50	58.2	454	59.9	187
White	52.7	129	56.1	3613	54.3	987
Other	64.0	25	54.5	509	...	212
<b>Gender</b>						
Male	60.9	174	55.2	2692	55.4	875
Female	55.9	324	53.9	2873	53.0	956

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 3.4% more than North Carolina with a 6.1% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 3.7% more than the Central Region with a 6.6% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

Not applicable. This question was not asked in 2007.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 168. QN96 Percentage of students who strongly agree or agree that drugs are a problem at their school**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	54.1	471	53.4	5165	51.2	1425
<b>Race/Ethnicity</b>						
Black	52.4	271	51.0	784	50.5	289
Hispanic/Latino	70.6	51	54.9	412	56.8	146
White	51.9	129	55.4	3415	51.8	793
Other	54.2	24	46.7	470	...	172
<b>Gender</b>						
Male	56.5	170	52.3	2502	48.3	685
Female	52.0	323	54.4	2643	54.0	732

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 0.7% more than North Carolina with a 6.2% margin of error. The confidence interval is **inconclusive**.

Durham-Central Region Durham is 2.9% more than the Central Region with a 6.8% margin of error. The confidence interval is **inconclusive**.

**Comparison between 2009 and 2007 Durham Results**

2009 is 0.8% more than 2007 with a 9.1% margin of error. The confidence interval is **inconclusive**.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

**Table 169. QN97Percentage of students who strongly agree or agree that gangs are a problem at their school**

	Durham		North Carolina		Central Region	
	%	N*	%	N*	%	N*
<b>Total</b>	54.0	465	36.4	5116	27.3	1412
<b>Race/Ethnicity</b>						
Black	53.2	267	49.3	778	39.4	287
Hispanic/Latino	56.0	50	40.6	406	35.2	145
White	53.5	127	29.3	3382	20.7	786
Other	54.2	24	37.4	465	...	169
<b>Gender</b>						
Male	56.5	170	38.1	2466	27.5	677
Female	52.6	323	34.6	2629	26.8	727

**Durham County Contingencies**

Race × Behavior Inconclusive.

Gender × Behavior Inconclusive.

**Comparisons with Statewide and Regional Results**

Durham-North Carolina Durham is 17.6 % more than North Carolina with a 6.2% margin of error. The 95% confidence interval for the difference in proportions between Durham and the state is **significant**; therefore, Durham is between 11.4 and 23.8 percentage points more than North Carolina. The effect size is small, *Cohen's h* = 0.36.

Durham-Central Region Durham is 26.7 % more than the Central Region with a 6.7% margin of error. The 95% confidence interval for the difference in proportions between Durham and the region is **significant**; therefore, Durham is between 20.0 and 33.4 percentage points more than the Central Region. The effect size is moderate, *Cohen's h* = 0.55

**Comparison between 2009 and 2007 Durham Results**

Not applicable. This question was not asked in 2007.

\*N represents the total number of students in each category who responded to the YRBS question represented in this table.

## Summaries of High School Results

Summary tables document significant findings for race × behavior and gender × behavior contingencies, statewide and regional comparisons, and 2009-2007 comparisons.

### *Race × Behavior Contingencies*

Tables 170-173 report race × behavior contingencies for black, Hispanic, white, and high school students of other races (e.g., American Indian, Asian, and mixed races). See Appendix F for cross-tabulation tables, chi-square results, and standardized residuals.

**Table 170. Significant Race × Behavior Contingencies, Black High School Students**

- Black students were more likely than expected to not eat fruit at all.
- Black students were more likely than expected to watch 5+ hours of TV per day.

**Table 171. Significant Race × Behavior Contingencies, Hispanic High School Students**

- Hispanic students were more likely than expected to have ridden in a car driven by someone who had consumed alcohol.
- Hispanic students were more likely than expected to have been in 8 or 9 physical fights on school property in the past 12 months.
- Hispanic students were more likely than expected to have had personal property damaged or stolen 8 or 9 times in the past 12 months.
- Hispanic students were more likely than expected to have attempted suicide 4 or 5 times in the past 12 months.
- Hispanic students were more likely than expected to have had 5+ drinks of alcohol in a row on 2 of the past 30 days.
- Hispanic students were more likely than expected to have had sexual intercourse for the first time at age 14.
- Hispanic students were more likely than expected to speak with a religious leader about STDs, HIV, AIDS, or pregnancy prevention.
- Hispanic students were more likely than expected to not eat other vegetables at all in the past 7 days.
- Hispanic students were more likely than expected to drink sweetened beverages 1-3 in the past 7 days.
- Hispanic students were more likely than expected to be physically active for 1 day in a week.
- Hispanic students were more likely than expected to have seen a doctor or nurse between 12 and 24 months ago.
- Hispanic students were more likely than expected to report that they were “not sure” if they felt alone

**Table 172. Significant Race × Behavior Contingencies, White High School Students**

- White students were more likely than expected to have had 5+ drinks in a row on 1 of the past 30 days.
- White students were more likely than expected to eat carrots 1-3 days.
- White students were more likely than expected to “sometimes” use sun screen.
- White students were more likely than expected to get 7 hours a sleep on an average school night.

**Table 173. Significant Race × Behavior Contingencies, High School Students of Other Races**

- Students of “other” race were more likely than expected to have carried a weapon 4 to 5 times in the past 30 days.
- Students of “other” races were more likely than expected to have been in “4 -5” or “6-7” physical fights on school property in the past 12 months.
- Students of “other” races were more likely than expected to have been forced to have sexual intercourse.
- Students of “other” races were more likely than expected to have had a first drink of alcohol (other than a few sips) at age 8 or younger.
- Students of “other” races were more likely than expected to have had sexual intercourse with 3 different people in their lives.
- Students of “other” races were more likely than expected to take diet pills, powders, or liquids to lose weight or keep from gaining weight

*Gender × Behavior Contingencies*

Tables 174 and 175 report the gender × behavior contingencies for high school males and females. See Appendix G for cross-tabulation tables, chi-square results, and standardized residuals.

**Table 174. Significant Gender × Behavior Contingencies, High School Males**

- Males were more likely than expected to “never” wear bicycle helmets
- Males were more likely than expected to ride with someone who drove recklessly at least 1 time in the past 30 days
- Males were more likely than expected to have carried a weapon 2-3, 4-5, or 6+ times in the past 30 days.
- Male students were more likely than expected to have been in a physical fight 6 or 7 times.
- Male students were more likely than expected to have had personal property damaged or stolen 2 or 3 times in the past 12 months.
- Males who experienced feelings of sadness were more likely than expected to tell “some other person.”
- Male students were more likely than expected to have had a drink of alcohol on all 30 days within the past 30 days.
- Male students were more likely than expected to have had a 5+ drinks drink of alcohol in a row on at least 20 of the past 30 days.
- Male students were more likely than expected to give someone money to purchase alcohol for them.
- Male students were more likely than expected to have used marijuana 100 or more times in their lives.
- Male students were more likely than expected to have used marijuana 40 or more times in the past 30 days.
- Male students were more likely than expected to have used cocaine 40 or more times in their lives.
- Male students were more likely than expected to have used heroin 3-9 times in their lives.
- Male students were more likely than expected to have used a needle to inject illegal drugs 2+ times in their lives.
- Male students were more likely than expected to have taken prescription drugs without a doctor’s prescription 40 or more times in their lives.
- Male students were more likely than expected to have had sexual intercourse for the first time at age 13.
- Male students were more likely than expected to have had sexual intercourse with 6+ people in their lives.
- Male students were more likely than expected to have had sexual intercourse with “1 person” and with “6+” people in the past 3months.
- Male students were more likely than expected to not have questions about STDs, HIV, AIDS, or pregnancy prevention.
- Male students were more likely than expected to report that they were trying to gain weight

**Table 175. Significant Gender × Behavior Contingencies, High School Females**

- Females were more likely than expected to not even ride bicycles.
- Females who experienced feelings of sadness were more likely than expected to tell a friend or sibling.
- Female students were more likely than expected to skip meals to lose weight or to keep from gaining weight
- Females were more likely than expected to not be physically active at all.

### *Durham-North Carolina Comparisons*

Tables 176 and 177 summarize the significant comparisons between Durham and North Carolina. Table 176 documents the cases in which Durham was more at risk than North Carolina; Table 177 reports the YRBS items in which Durham was less at risk than the state. Tables 176 and 177 report statistically significant cases of at-risk behavior, as determined by the confidence intervals that accompany each bullet. For example, Durham was more at risk than North Carolina for driving under the influence of alcohol within the past 30 days. The 95% confidence interval was significant; therefore, Durham was between 0.3% and 8.5 % more than North Carolina (NC).

**Table 176. Durham “More At-Risk” than North Carolina, High School**

- Driving under the influence of alcohol within the past 30 days: Durham is 0.3% to 8.5% more than NC.
- Alcohol consumption on all 30 days within the past 30 days: Durham is 1.5% to 13.5% more than NC.
- Used marijuana at least once: Durham is 2.0% to 13.6% more than NC.
- Marijuana use in the past 30 days: Durham is 4.3% to 14.9% more than NC.
- Students who drank soda or pop 1+ times per day during the past 7 days: Durham is 44.1% to 54.7% more than NC, **large effect**.
- Sweetened beverages 1+ times per day during the past 7 days: Durham is 45.8% to 54.8% more than NC, **large effect**.
- Physically active for a total of at least 60 minutes per day on 5+ of the past 7 days: Durham is 2.2% to 13.8% less than NC.
- 8+ hours of sleep on an average school night: Durham is 5.7% to 13.1% less than NC.
- Alone without a parent or adult 3+ hours on an average school day: Durham is 6.3% to 18.7% more than NC.
- Perception that gangs are a problem at school: Durham is 11.4% to 23.8% more than NC.

*Note.*

<sup>1</sup>These indicators of at-risk behavior were statistically significant, as indicated by the confidence intervals reported in this table. Unless otherwise noted, effect sizes for these findings were small.

<sup>2</sup> NC is the abbreviation for North Carolina.

**Table 177. Durham “Less At-Risk” than North Carolina, High School**

- Tested for HIV, the virus that causes AIDS: Durham is 0.5% to 10.9% more than NC.
- Ate green salad 1+ times during the past 7 days: Durham is 1.2% and 14.2 % more than NC.

*Note.*

<sup>1</sup>This indicator of at-risk behavior was statistically significant, as indicated by the confidence interval reported in this table. Effect size was small.

<sup>2</sup> NC is the abbreviation for North Carolina.

### *Durham-Central Region Comparisons*

Tables 178 and 179 summarize the significant comparisons between Durham and the Central Region of North Carolina. Table 178 documents the cases in which Durham was more at risk than the Central Region; Table 179 reports the YRBS items in which Durham was less at risk than the region. Tables 178 and 179 report the statistically significant cases of at-risk behavior, as determined by the confidence intervals that accompany each bullet. For example, Durham students were more at-risk than regional students for driving under the influence of alcohol within the past 30 days. The 95% confidence interval was significant; therefore, Durham was between 0.5% and 9.1% more than the Central Region (CR).

**Table 178. Durham “More At-Risk” than the Central Region, High School**

- Driving under the influence of alcohol within the past 30 days: Durham is 0.5% to 9.1% more than the CR.
- Alcohol consumption on all 30 days within the past 30 days: Durham is 1.1% to 14.1% more than the CR.
- Used marijuana at least once: Durham is 2.4% to 15.0 % more than the CR.
- Marijuana use in the past 30 days: Durham is 4.2% to 15.4% more than the CR.
- Sexual intercourse: Durham is 3.4% to 17.4% more than the CR.
- Sexual intercourse with 4+ people: Durham is 1.3% to 12.1 % more than the CR.
- Sexual intercourse with 1+ people during the past 3 months: Durham is 1.5% to 15.1% more than the CR.
- Ate potatoes 1+ times during the past 7 days: Durham is 1.8% to 16.2 % less than the CR.
- Drank a can, bottle, or glass of soda or pop 1+ times per day during the past 7days: Durham is 47.2% to 59.2% more than the CR, **large effect**.
- Sweetened beverages 1+ times per day during the past 7 days: Durham is 47.7% to 58.5% more than the CR, **large effect**.
- Ate breakfast on 7 of the past 7days: Durham is 3.8% to 16.8% points less than the CR.
- Watched 3+ hours per day of TV on an average school day: Durham is 0.4% to 13.0% more than the CR.
- 8+ hours of sleep on an average school night: Durham is 5.5% to 13.7% less than the CR.
- Alone without a parent/ adult 3+ hours on an average school day: Durham is 5.3% to 17.4% more than the CR.
- Perception that gangs are a problem at school: Durham is 20.0% to 33.4% more than the CR.

*Note.*

<sup>1</sup>These indicators of at-risk behavior were statistically significant, as indicated by the confidence intervals reported in this table. Unless otherwise noted, effect sizes for these findings were small.

<sup>2</sup> CR is the abbreviation for Central Region.

**Table 179. Durham “Less At-Risk” than the Central Region, High School**

- Bullied on school property: Durham is 0.4% to 9.0% less than the CR.
- Talk with teacher or other adult in this school when they have questions about sexually transmitted diseases (STD), HIV, AIDS, or pregnancy prevention: Durham is 0.1% to 6.3% more than the CR.
- Tested for HIV, the virus that causes AIDS: Durham is 2.1% to 13.1% more than the CR.
- Physically active for a total of at least 60 minutes per day on 5or more of the past 7days: Durham is 3.8% to 16.4% more than the CR.

*Note.*

<sup>1</sup>These indicators of at-risk behavior were statistically significant, as indicated by the confidence intervals reported



in this table. Unless otherwise noted, effect sizes for these findings were small.  
<sup>2</sup> CR is the abbreviation for Central Region.

### *2009 v. 2007 Durham YRBS Comparisons*

Tables 180 and 181 summarize the significant comparisons between 2009 and 2007 Durham County YRBS results. When interpreting comparisons between the 2007 and 2009 high school results, it should be considered that in 2007 the majority of respondents were ninth grade students whereas the 2009 respondents were 9 – 12<sup>th</sup> graders.

Table 180 documents the cases in which 2009 was more at risk than 2007; Table 181 reports the YRBS items in which 2009 was less at risk than 2007. In other words, Table 180 indicates the significant results in which Durham County regressed, or did not so as well as in 2007; Table 181 shows the significant results whereby Durham County has improved since 2007.

**Table 180. 2009 “More At-Risk” than 2007, High School (Regressed)**

- Alcohol consumption on all 30 days within the past 30 days: 2009 is 5.3% to 22.1% more than 2007.
- 5+ alcoholic drinks in a row in the past 30 days: 2009 is 3.5% to 16.1% more than 2007.
- Used marijuana at least once: 2009 is 1.2% to and 18.0% more than 2007.
- Marijuana use in the past 30 days: 2009 is 0.3% to 11.3% more than 2007.
- Sexual intercourse: 2009 is 1.3% to 20.3% more than 2007.
- Sexual intercourse with 4+ people: 2009 is 0.5% to 14.3% more than 2007.
- Sexual intercourse with 1+ people during the past 3 months: 2009 is 2.4% to 20.4% more than 2007.
- Students who described themselves as slightly or very overweight: 2009 is 0.5% to 16.5% more than 2007.
- Alone without a parent or adult 3+ hours on an average school day: 2009 is 2.8% to 20.4% more than 2007.

*Note.* Effect sizes for all findings were small.

**Table 181. 2009 “Less At-Risk” than 2007, High School (Improved)**

- Bullied on school property: 2009 is 9.8% to 23.2% less than 2007. **Small to moderate effect.**
- Carried a weapon in the past 30 days: 2009 is 1.4% to 16.8% less than 2007.
- Physical fight in the past 12 months: 2009 is 7.7% to 25.9% less than 2007.
- Physical fighting on school property: 2009 is 4.3% to 19.1% less than 2007.
- Actual suicide attempts: 2009 is 2.0% to 14.4% less than 2007
- First drink of alcohol before 13 years old: 2009 is 3.4% to 18.4% less than 2007.
- Sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays: 2009 is 0.7% to 12.3 % less than 2007.

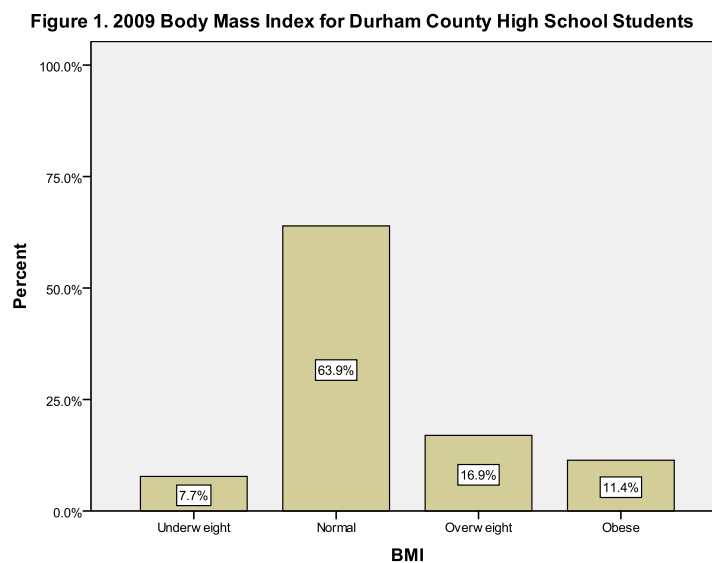
*Note.* Unless otherwise noted, effect sizes for all findings were small.

## 2009 Body Mass Index and Perceptions of Weight for High School Students

The Body Mass Index (BMI) is a number calculated from a person's height and weight. The BMI is used as an indicator of body fatness for people. It does not measure body fat directly, but it does correlate with direct measures of body fat. The BMI is an inexpensive, easy-to-perform alternative for screening weight categories that may lead to health problems.

For this report, the BMI was calculated using the formula of:  $\text{Weight (lbs)} / [\text{height(in)}]^2 \times 703$ . For example, if one's height is 5'1" and weight is 130 lbs, his/her BMI would look like this:  
 $130 / (61)^2 \times 703 = 24.6$ , putting this person's BMI within the normal range.

For Durham County schools, height and weight were asked only of high school respondents. Almost 64% of the high school students are within normal according to the BMI. The percentage of students who are considered "underweight" and "obese" are close at 8% and 11% respectively. The remaining 17% consists of students who are considered to be overweight (see Figure 1).



N=413.  
BMI less than 18.5 is Underweight.  
BMI between 18.5 and 24.9 is Normal.  
BMI between 25 and 29.9 is Overweight.  
BMI greater than 29.9 is Obese.

When asked how they viewed their weight, more students answered being underweight or overweight than was actually the case when compared to the BMI results: 15.6% of students described their weight as very or slightly underweight, whereas 29.3% perceived their weight as very or slightly overweight. More than half (55.1%) reported feeling they were about the right weight.

## Durham County Progress in Meeting North Carolina 2010 Health Objectives

The 2010 Health Objectives provide direction for improving the health and well-being of all North Carolinians over the decade between years 2000 and 2010. Through an Executive Order of Governor James B. Hunt, Jr., the Governor's Task Force for Healthy Carolinians was established in 1999. The Task Force produced North Carolina's 2010 Health Objectives in 12 major focus areas:

- Access to Health Care
- Chronic Disease
- Community Health
- Disability
- Environmental Health
- Health Promotion
- Infant Mortality
- Infectious Diseases
- Injuries
- Mental Health
- Older Adult Health
- Oral Health

See Table 182: in comparing youth-related NC 2010 Health Objectives to the 2009 YRBS results, Durham County achieved goals for reducing 1). the percentage of middle and high school students who sniffed glue or spray containers, 2). cigarette smoking by middle school students, and 3). cigarette smoking by high school students. Moreover, Durham decreased the percentage of children grades 6-12 who begin smoking at age 11 or younger. Partial achievement has been realized for decreasing the percentages of middle and high school students who have ever used any form of cocaine: note that the goal was met for middle school students and was very close to having been met for high school students.

In all other cases, Durham County has not achieved state objectives. Of particular concern: since 2007, at-risk indicators have regressed for obesity, sexual intercourse, use of condoms (for sexually active students), alcohol consumption, and marijuana. That is to say, instead of improving toward state goals, Durham County percentages in these areas are going in the wrong direction, toward higher rates of at-risk behavior. Although Durham did not achieve Health Objectives for fruit and vegetable consumption, it should be noted that Durham improved in these areas.

**Table 182. Durham County Progress in Meeting NC 2010 Health Objectives**

NC 2010 Health Objective	2010 Target	2009 YRBS <sup>1</sup>	2007 YRBS	Goal Met
Reduce the percentage of children and adolescents who are overweight or obese, age <b>12-18 years</b> old.	10.0	28.3	21.0	No
Increase the percentage of <b>middle</b> and <b>high</b> school students who eat any fruit or fruit juices on a given day <sup>2</sup> .	95.0	82.0 fruit 78.2 juice	23.9	No
Increase the percentage of <b>middle</b> and <b>high</b> school students who eat any vegetables on a given day <sup>2</sup> .	95.0	64.1 salad 60.8 potatoes 35.6 carrots 82.4 other vegetables	10.7	No
Increase the proportion of adolescents, <b>grades 9-12</b> , who abstain from sexual intercourse.	50.8	43.9	55.2	No
Increase the proportion of adolescents, <b>grades 9-12</b> , who use condoms if sexually active.	75.0	60.7	66.9	No
Reduce the percentage of <b>high</b> school students who consumed alcohol within the past 30 days.	28.8	42.5	28.8	No
Reduce the percentage of <b>high</b> school students who had five or more drinks of alcohol within the past 30 days.	15.0	21.0	11.2	No
Reduce the percentage of <b>high</b> school students who used marijuana within the past 30 days.	16.0	29.4	23.6	No
Reduce the percentage of <b>middle</b> and <b>high</b> school students who sniffed glue or spray containers to get high at some time in their life.	13.0	12.2/3.5	16.1	<b>Yes</b>
Reduce the percentage of <b>middle</b> and <b>high</b> school students who have ever used any form of cocaine.	4.0	2.8/4.3 <sup>3</sup>	5.3	Partial/ very close
Reduce cigarette smoking by <b>middle</b> school students, grades 6-8.	7.5	5.9	16.9	<b>Yes</b>
Reduce cigarette smoking by <b>high</b> school students, grades 9-12.	15.8	15.5	28.3	<b>Yes</b>
Decrease the percentage of children, <b>grades 6-12</b> , who begin smoking before age 11.	10.0	4.2/6.3	6.7	<b>Yes</b>
<b>Notes.</b> <sup>1</sup> When there are two numbers, the first one is the middle school percentage. <sup>2</sup> High school only. <sup>3</sup> Goal met for middle school students.				

## Discussion

The 2009 Durham County School System's YRBS provides educators, health officials, and policy makers with data on self-reported health risk behaviors, mental health, and nutrition among adolescent youth enrolled in Durham County Schools.

### Middle School

With regard to 2009 middle school results, Hispanic students were at-risk for more indicators than other races. For example, Hispanic middle school students were more likely than expected to be at risk with regard to some of the indicators for alcohol consumption, physical activity, health care, and self-image. Likewise, females were at-risk for more indicators than males, i.e., coping with sadness, being electronically bullied, weight management, and participation in team sports.

Compared with statewide results Durham middle school students were more at-risk for behaviors that relate to diet and physical activity, sleep, asthma, spending time alone (without a parent or other adult), and gangs; Durham's middle school students were less at-risk for behaviors related to weapons, bullying at school, abuse of prescription drugs, and sex education. Moreover, Durham middle school students, when compared with statewide results, perceived that teachers and other school personnel cared and offered encouragement.

Compared with YRBS results from the Central Region, Durham was more at risk for the following indicators: being bullied at school, not being taught about sexually transmitted diseases, eating breakfast, TV and video game use, being alone without an adult, asthma, and gangs. Durham was less at-risk for indicators that include weapons, prescription drug abuse, and perceptions that teachers care.

Since 2007, Durham has regressed with regard to seat belts, bullying, and cigarette smoking. On the other hand, middle school results indicate improvements for sex education, eating family dinners at home, and access to dental care.

### High School

As with middle school results, 2009 Hispanic high school students were more at-risk, for more indicators, than other races. For example, Hispanic high school students were more likely than expected to be at risk with regard to some of the violence-related behaviors, suicide, alcohol, sexual behavior, diet, and physical activity. High school males were at-risk for more indicators than females.

Compared with statewide results, Durham was more at risk for some of indicators of alcohol and marijuana use, diet and physical activity, and other behaviors such as sleep, being alone without a parent, and perceptions that gangs are a problem at school. Durham was less at risk with regard to HIV testing, and students eating green salad—that is to say, Durham students ate more green salad than the state survey respondents.

Regarding Central Region comparisons, Durham was more at risk for several indicators pertaining to alcohol and marijuana use, sexual activity, diet and physical activity, and perceptions that gangs are a problem at school. Durham was less at risk for indicators related to bullying, testing for HIV, and speaking with teachers about sexually transmitted diseases, HIV, AIDS, and pregnancy prevention. Although Durham was more at-risk for some physical activity indicators (e.g., watching TV), students

were less at-risk for other physical activity indicators, e.g., a greater percentage of Durham high school students were physically active for a total of at least 60 minutes per day.

Since 2007, Durham has regressed with regard to alcohol and marijuana use as well as several at-risk indicators of sexual activity. A greater percentage of students in 2009 described themselves as being overweight, and a greater percentage reported that they are alone without a parent or adult for 3 or more hours per day on an average school day. For other indicators, Durham improved: bully behavior and other violence-related behaviors were down, suicide attempts were down, glue-sniffing was down, and the percentage of students reporting that they had had their first drink of alcohol before age 13 was down.

The good news for NC 2010 Health Objectives, is that Durham County has achieved/ partially achieved/ or is showing improvement for the following objectives:

- reducing the percentage of middle and high school students who sniffed glue or spray containers.
- reducing cigarette smoking by middle school students.
- reducing cigarette smoking by high school students.
- decreasing the percentage of children grades 6-12 who begin smoking at age 11 or younger.
- decreasing the percentages of middle and high school students who have ever used any form of cocaine.
- Increasing fruit and fruit juice consumption.
- Increasing vegetable consumption.

Negative indicators exist for the following:

- obesity.
- sexual intercourse.
- use of condoms (for sexually active students).
- alcohol consumption.
- marijuana use.

**Initial Recommendations**

For middle schools, Durham County might examine more closely the behavior patterns related to diet, physical activity, and bullying. For high schools, further interventions might be developed for addressing alcohol and marijuana use and sexual activity. For both middle and high school populations, follow-up analyses may be in order to learn more about students' perceptions of gangs in Durham County.

**Important note for 2009 statistical analyses:** Measures of statistical significance and effect size offer an important way to interpret survey results. However, the conventional guidelines for evaluating small, moderate, and large effect sizes offer arbitrary indices for examining the practical significance of findings. Knowledgeable users from Durham County will best understand the context, history, and practical significance of the findings in this report. The Hoffman Center for Assessment and Research Alliances commends the Durham County School System on its successes in improving student risk behaviors. We also thank Durham County for participating in Youth Risk Behavior Survey Analysis and look forward to a continuing partnership aimed at saving the lives and health of school children.

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