



# 2018 Knox County Middle School Youth Risk Behavior Survey

A joint effort of  
**Knox County Health Department**  
**Knox County Schools**

With support from Metro Drug Coalition

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Knox County Health Department

Knox County  
**Health Department**  
 Every Person, A Healthy Person

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## EXECUTIVE SUMMARY

The data available in this report can assist local government and other organizations in the planning and implementation of programs designed to improve the health of adolescents in Knox County.

The 2018 Knox County Middle School Youth Risk Behavior Survey (KC MS-YRBS) was administered in nine Knox County Schools (KCS) middle schools to monitor health-risk behaviors that have the potential to eventually contribute to premature death, disability and other health problems. The KC MS-YRBS was first administered in 2008, and repeated in 2010 and 2013 among 6<sup>th</sup>, 7<sup>th</sup>, and 8<sup>th</sup> grade KCS middle school students. The data are used by KCS, local-area nonprofit agencies, and other organizations to better allocate their existing program resources, search for new funding streams, and direct their efforts to segments of middle schoolers which may be at greatest risk for health problems now and in the future.

The 2018 Knox County Middle School Youth Risk Behavior Survey used a 51-question (including demographics) survey instrument based on the Centers for Disease Control and Prevention (CDC)-developed MS-YRBS. Six of the 51 questions were developed by the Knox County Health Department (KCHD) in coordination with Metro Drug Coalition to provide more data on substance use patterns and attitudes in Knox County. The survey focused on the following health-related behaviors:

- Behaviors that contribute to unintentional injuries
- Behaviors that contribute to self-harm and violence
- Tobacco and electronic nicotine device use
- Alcohol and other drug use
- Weight control and diet
- Physical activity
- Additional health topics (limited to history of asthma and current sleep patterns)

Some of the findings in this report show a trend toward healthy behaviors as we see an increase in seatbelt use and a reduction in some of the more traditional forms of tobacco use (cigarettes, cigars, and smokeless tobacco products) when compared to previous KC MS-YRBS estimates.

Other findings in this report may be viewed as less positive. Six percent (6.4%) of the students reported they have taken prescription pain medication without a doctor's orders or directions. One out of four respondents (25.6%) considered themselves either slightly overweight or very overweight. Almost nine percent (8.9%) of middle school students reported they used an electronic vapor product within the past 30 days (note: this is a new baseline for this population). Almost one-half (46.0%) of middle school students reported three or more hours of daily video game play or using computers for non-academic purposes during the school week. Almost one out of five KCS middle school students (19.4%) reported they have had a concussion from sports or physical activity during their lifetime. Perhaps most striking of all, 6.3% of KCS middle school students reported they have attempted suicide at some point in their lifetime.

The survey results are further broken down by gender (female or male), race-ethnicity (non-Hispanic white, non-Hispanic black, other race/ethnicity [including Hispanic of any race]), grade in school (6<sup>th</sup>, 7<sup>th</sup>, or 8<sup>th</sup>) and estimated school grades (A's, B's, C's, D's, F's) during the past year to uncover possible disparities between these classification groups which will help local agencies better target programmatic efforts and interventions.

### Limitations

The sample for the 2018 KC MS-YRBS was limited to nine schools. Previous KCS MS-YRBS efforts included all schools in the sample. Comparing the results of the 2018 KC MS-YRBS with the results of previous surveys should be undertaken with great caution.

In addition, an increase in the number of Hispanic students in the 2018 KC MS-YRBS compared to previous surveys was noted from 7.4% of the total sample in 2013 to 12.1% in 2018. It is anticipated that the sample responses from Hispanic students will be robust enough to break out into a distinct race/ethnicity category for analysis purposes in future KC MS-YRBS efforts.

## REQUEST REPORT OR INFORMATION

This report may be requested at the address below:

For more information or data requests regarding the 2018 Knox County Middle School Youth Risk Behavior Survey, please contact:

Knox County Health Department Epidemiology Program  
140 Dameron Ave.  
Knoxville, TN 37917

Phone: 865-215-5185

Email: [mark.prather@knoxcounty.org](mailto:mark.prather@knoxcounty.org)

## RECOMMENDED CITATION

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Epidemiology Program (2019). *2018 Knox County Middle School Youth Risk Behavior Survey*. Knoxville, TN: Knox County Health Department.

## METHODOLOGY

The 2018 KC MS-YRBS was collected in two waves. The first wave was collected October 25-26, and the second wave was collected November 13-16, 2018. In all, 82 randomly selected second-period classes (a possible 1,970 6<sup>th</sup>-8<sup>th</sup> grade students) from nine KCS middle schools were included in the sample selected by KCS to best represent the demographics of all 16 KCS middle schools.

The results indicated that 1,605 students responded to the survey resulting in an 81.4% response rate. Students could opt out of the survey by returning a passive-consent form signed by a parent or guardian or opt out on their own on the day of the survey. The surveys were administered by KCS classroom instructors after receiving just-in-time training on MS-YRBS protocols. Data were weighted based on 2017-2018 enrollment figures for gender (female or male), race-ethnicity (white non-Hispanic, black non-Hispanic, and other race/ethnicities including Hispanic of any race), and school grades (6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup>). The data were analyzed using CDC guidelines whenever possible. Confidence intervals (CI) were generated to allow for between-group comparisons (such as between males and females) or comparisons between estimates from previous years.<sup>1</sup> Confidence intervals that do not intersect within their ranges are significant at the  $p < .05$  level. Confidence interval ranges that do intersect are not significant at  $p < .05$ .<sup>2</sup>

To ensure reliability, results with fewer than 20 responses were marked with an asterisk (\*) in the tables and population estimates, and proportions (percent estimates) were not reported.

Note: Readers are asked to note that previous KC MS-YRBS efforts used all middle schools in their sampling methodology. Comparing the current results with previous Knox County MS-YRBS data should be undertaken with great caution. Despite this, previous KC MS-YRBS survey results are reported in the graphs when possible so that readers can see possible trends in behaviors over time. The questions vary somewhat from year to year and new questions are periodically added. Previous estimates are made available when possible. The most recent Tennessee MS-YRBS was in 2013, so those estimates are not included for comparisons in this 2018 report.

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<sup>1</sup> Motulsky, H. (1995). *Intuitive biostatistics*. Oxford University Press. New York.

<sup>2</sup> How to interpret confidence intervals: If 10% of women in a sample said they have ever had a broken leg (confidence interval = 8.0 to 12.0), and 15% of men in a sample said they have ever had a broken leg (confidence interval = 13.0 to 17.0), then there would be a significant difference at the  $p < .05$  probability level because 8.0-12.0 (women) and 13.0-17.0 (men) do not contain the same numbers within their ranges. In this example, one would be 95% confident ( $p < .05$ ) that men (15%) were significantly more likely to report having had a broken leg compared to women (10%).

## KEY RESULTS

The following results are findings from the 2018 KC MS-YRBS. When applicable, the results are compared to *Healthy People 2020* objectives which are evidence-based health objectives to be met by communities by 2020 (see HealthyPeople.gov). Changes from KC MS-YRBS results from previous years will also be noted. Of note, confidence intervals (CI) are included to indicate whether the values are statistically significantly different, which is important in comparing percentages. Please call the Knox County Health Department for assistance interpreting confidence intervals.

### Section 1: Behaviors That Contribute to Unintentional Injuries

- One out of two middle school students (54.5%) who ride bikes reported they “rarely” or “never” wear a bicycle helmet when riding (Table 1). This estimate is down from 64.1% in 2013 (Figure 1). Among middle school students who ride bicycles, non-Hispanic black students (77.2% CI: 69.1-83.7) and other race-ethnicity students, including Hispanic of any race (66.7% CI: 57.5-74.8), were more likely to report rarely or never wearing a helmet compared to non-Hispanic white students (49.5% CI: 45.9-53.1) (Figure 1).
- One out of 25 middle school students (4.1%) reported they “rarely” or “never” wear a seatbelt when they are passengers in a car (Table 3). This met *Healthy People 2020* objective IVP-16 which calls for no more than 14% of children aged 8-12 not using safety belts (Figure 3).
- One out of seven middle school students (15.7%) reported they rode in a car with a driver who had been drinking alcohol (Table 4).

### Section 2: Behaviors That Contribute to Self-harm and Violence

- One out of three middle school students (35.7%) reported they had carried a weapon such as a gun, knife or club during their lifetime (Table 5; Figure 5). Other race-ethnicity students, including Hispanic of any race (47.3% CI: 39.4-55.3), were more likely to report this behavior compared to non-Hispanic white students (38.5% CI: 33.0-38.5) or non-Hispanic black students (19.9% CI: 14.6-26.4).
- Almost one half of middle school students (46.5%) reported they had been in a physical fight (Table 6; Figure 6). Male students (58.8% CI: 43.7-49.4) were more likely to report ever being in a fight compared to female students (30.6% CI: 26.9-34.6). Non-Hispanic white students (40.6% CI: 37.5-43.9) were less likely to report this behavior compared to non-Hispanic black students (69.7% CI: 62.7-75.9) or students in the “other race-ethnicity” category (57.9% CI: 49.8-65.5).
- Two out of five middle school students (41.8%) reported they were bullied on school property (Table 7). One out of five middle school students (22.0%) reported being bullied electronically such as by texts or social media (Table 8; Figure 8). Female students (28.1% CI: 44.0-52.4) were more likely to report being bullied electronically compared to male students (17.2% CI: 14.5-20.3).

#### Intentional self-harm

- Almost one out of five middle school students (19.8%) reported they have seriously considered suicide (Table 9). In addition, 11.5% of middle school students reported they have ever made a suicide plan (Table 10). Approximately six percent (6.3%) of middle school students reported they had actually attempted suicide (Table 11).

### Section 3: Tobacco and Electronic Nicotine Device Use

- Almost five percent (4.6%) of middle school students reported smoking their first cigarette before 11 years of age (Table 13).
- Current cigarette use, defined as smoking cigarettes on one or more days in the past 30 days has declined from 6.0% in 2013 to 3.1% in 2018 (Table 14; Figure 14).
- The 2018 KC MS-YRBS included questions on the use of e-cigarettes/electronic vapor products for the first time (Tables 16-20). One out of six middle school students (18.1%) reported they used an electronic vapor product such as an e-cigarette, vape pen, hookah pen or mods during their lifetime (Table 16).
- One out of 12 students (8.9%) reported current electronic vapor product use defined as one or more days of use during the past 30 days (Table 17; Figure 17). Male students (11.0% CI: 8.8-13.6) reported current electronic vapor product use more frequently compared to female students (6.2% CI: 4.4-8.5).
- Besides cigarettes and electronic vapor products, middle school students reported current use of smokeless tobacco products (chewing tobacco, snuff, dip) at 2.1% (Table 21), a reduction from the 2013 smokeless tobacco use estimate of 4.3% (Figure 21).
- Self-reported cigar use saw a reduction from 5.3% in 2013 to 2.9% in 2018 among middle school students (Table 22; Figure 22).
- One out of ten middle school students (11.1%) reported they used tobacco in any form (cigarettes, cigars, electronic vapor products, smokeless tobacco) on one or more days during the past 30 days (Table 23). Eighth grade students (15.2% CI: 11.8-19.3) reported more tobacco use compared to 6<sup>th</sup> grade students (7.7% CI: 5.3-11.1) (Figure 23).

### Section 4: Alcohol and Other Drug Use

- Almost one out of five middle school students (18.6%) reported they tried alcohol other than a few sips (Table 26; Figure 25). Male students (21.8% CI: 18.7-25.1) were more likely to report this behavior compared to female students (14.5% CI: 11.8-17.7). Students reporting their school grades in the past year to be mostly D's and F's (43.5%) were more likely to report this behavior compared to students earning higher grades.
- Approximately four percent of middle school students (3.5%) reported they tried marijuana before the age of 11 (Table 32; Figure 31). Almost one out of 12 middle school students (8.2%) reported they have used marijuana during their lifetime (Table 31). More non-Hispanic black students (13.6% CI: 9.4-19.3) reported they had used marijuana compared to non-Hispanic white students (6.9% CI: 5.4-8.7) in 2018.
- More than six percent (6.4%) of middle school students reported they had taken prescription pain medicine without a doctor's prescription or orders (Table 35; Figure 33).

### Section 5. Weight Control and Diet

- One out of four middle school students (25.6%) described themselves as "slightly overweight" or "very overweight" (Table 39) and two out of five middle school students (40.2%) reported they were trying to lose weight (Table 40; Figure 37). More non-Hispanic



black students (49.3% CI: 41.8-56.8) reported they were trying to lose weight compared to non-Hispanic white students (38.2% CI: 35.1-41.6).

- Almost half of the middle school respondents (46.4%) indicated that they ate breakfast every day during the past week (Table 43). Sixty-five percent (65.0%) of the students reported they ate breakfast on five days during the past week (Table 42).

## Section 6. Physical Activity

### Physical activity

- Almost one out of ten middle school students (9.5%) reported they did not participate in any physical activity that increased their heart rate and made them breathe hard for at least 60 minutes during the past seven days (Table 44; Figure 41). Students that estimated their school grades to be mainly C's (16.8% CI: 11.6-23.6) reported this lack of physical activity more than students who mainly get A's in school (5.7% CI: 3.8-8.5) or B's in school (7.9% CI: 5.6-11.1).
- One out of three middle school students (33.9%) reported they exercised for at least 60 minutes every day for the past seven days (Table 45). This met *Healthy People 2020 objective* PA-3.1 which calls for at least 31.6% of adolescents meeting this federal guideline for exercise (Figure 47). Non-Hispanic white students (35.0%) met objective PA-3.1 (31.6%), however non-Hispanic black students (30.2%) and "other race-ethnicity" students (29.4%) have yet to meet this target.

### Television and video games/video game play or non-academic computer use

- Approximately one out of four middle school students (24.6%) reported they watch three or more hours of television on an average school day (Table 46). More non-Hispanic black students (43.9% CI: 36.7-51.4) reported this behavior compared to non-Hispanic white students (20.2% CI: 17.7-23.0) or other race-ethnicity students (29.0% CI: 22.0-37.2).
- Forty-six percent (46.0%) of middle school students reported they play video/computer games or use computers for activities other than schoolwork for three or more hours on average school days (Table 47). Students who mainly earned D's and F's (57.9% CI: 43.3-76.2) were more likely to report this behavior compared to students who mainly earned A's (38.2% CI: 33.5-43.1).

### Physical education and sports

- Almost two out of three middle school students (59.2%) reported they attended a physical education (PE) class during the past week (Table 48) and one out of three (37.8%) reported they attended a PE class every day during the school week (Table 49).
- Almost two out of three middle school students (63.4%) reported they played on a sports team during the past year (Table 50).
- Nineteen percent (19.4%) of middle school students reported they have received one or more concussions playing sports or doing physical activities during their lifetime (Table 51). This variable was asked for the first time in the 2018 KC MS-YRBS.



### Section 7. Additional Health Topics

- One out of six middle school students (16.7%) reported they have been told by a doctor or nurse at some point during their lifetime that they have asthma (Table 52; Figure 49). Non-Hispanic black students (27.6% CI:21.3-35.0) were more likely to report this diagnosis compared to non-Hispanic white students (14.5% CI:12.2-17.0).
- More than one-half of middle school students (57.2%) reported they sleep eight or more hours during average school nights (Table 53; Figure 50). Sixth grade students (67.2% CI: 61.9-72.1) were more likely to report this behavior compared to eighth grade students (48.3% CI:43.0-53.7).

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Section 1:  
**Behaviors That Contribute  
to Unintentional Injuries**

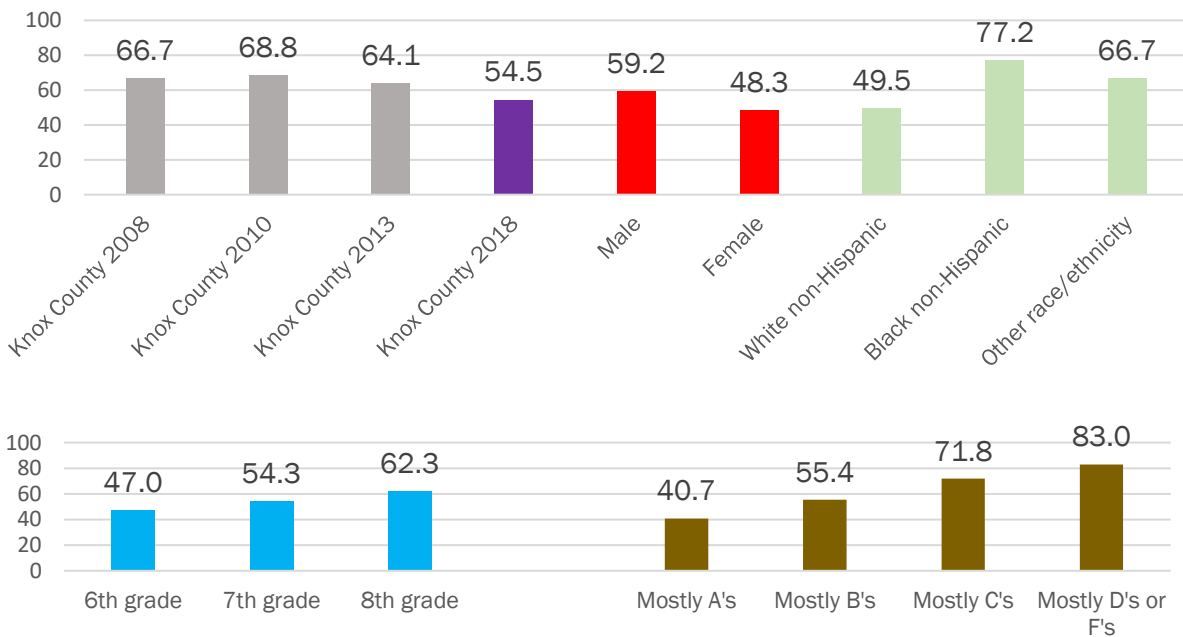


**Table 1. Among middle school students who ride bicycles, the percentage who reported they rarely or never wear a bicycle helmet when they ride**

(Total n = 1,043)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	572	5,558	54.5	(51.4-57.7)
Male	358	3,450	59.2	(54.9-63.3)
Female	214	2,108	48.3	(43.6-53.0)
<b>Race-ethnicity</b>				
White non-Hispanic	391	4,041	49.5	(45.9-53.1)
Black non-Hispanic	105	1,198	77.2	(69.1-83.7)
Other race-ethnicity	76	319	66.7	(57.5-74.8)
<b>Grade in school</b>				
6th	137	1,599	47.0	(41.2-52.9)
7th	250	1,839	54.3	(49.6-58.9)
8th	185	2,121	62.3	(56.4-67.8)
<b>Estimated grades in past year</b>				
Mostly A's	149	1,479	40.7	(35.5-46.0)
Mostly B's	191	1,821	55.4	(49.8-60.8)
Mostly C's	92	943	71.8	(63.1-79.2)
Mostly D's or F's	28	252	83.0	(65.3-92.6)

**Figure 1. Among middle school students who ride bicycles, the percentage who reported they rarely or never wear a bicycle helmet when they ride, 2008, 2010, 2013, 2018; 2018 by gender, race-ethnicity, grade in school, and estimated school grades during the past year**



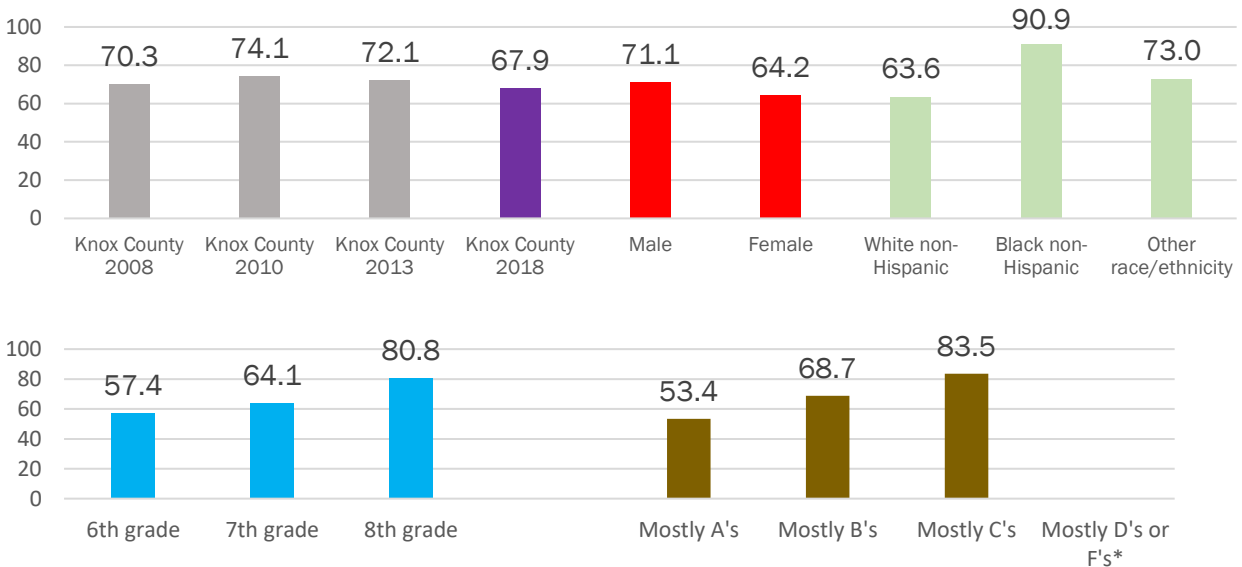
**Table 2. Among middle school students who rollerblade or roller skate, the percentage who reported they rarely or never wear a helmet when they skate**

(Total n= 498)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	336	3,261	67.9	(63.5-72.0)
Male	191	1,824	71.1	(65.1-76.5)
Female	145	1,437	64.2	(57.6-70.3)
<b>Race-ethnicity</b>				
White non-Hispanic	240	2,469	63.6	(58.6-68.4)
Black non-Hispanic	52	604	90.9	(80.9-95.9)
Other race-ethnicity	44	188	73.0	(60.9-82.5)
<b>Grade in school</b>				
6th	72	853	57.4	(48.5-65.9)
7th	141	1,044	64.1	(57.4-70.3)
8th	123	1,364	80.8	(73.5-86.5)
<b>Estimated grades in past year</b>				
Mostly A's	74	758	53.4	(44.9-61.9)
Mostly B's	112	1,079	68.7	(60.9-75.6)
Mostly C's	58	573	83.5	(72.7-90.6)
Mostly D's or F's	18	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 2. Among middle school students who rollerblade or roller skate, the percentage who reported they rarely or never wear a helmet when they skate, 2008, 2010, 2013, 2018; 2018 by gender, race-ethnicity, grade in school, and estimated school grades during the past year**



\*Fewer than 20 responses, too unreliable to report.

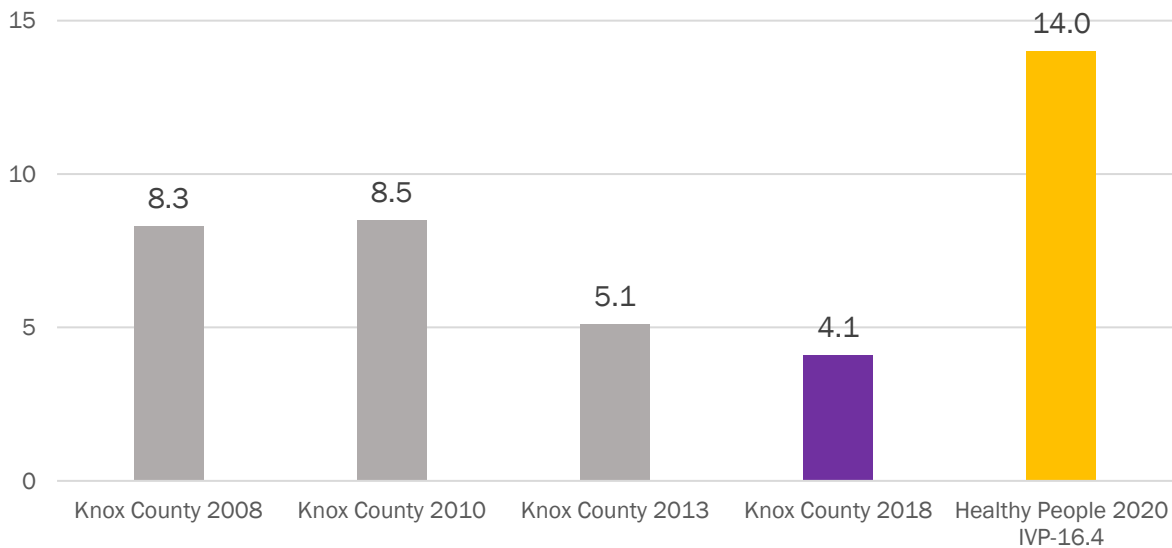
**Table 3. Percentage of middle school students who reported they rarely or never wear a seatbelt when riding in a car**

(Total n = 1,321)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	55	530	4.1	(3.1-5.4)
Male	42	401	5.5	(4.0-7.6)
Female	13	*	*	*
<b>Race-ethnicity</b>				
White non-Hispanic	30	322	3.2	(2.2-4.6)
Black non-Hispanic	14	*	*	*
Other race-ethnicity	11	*	*	*
<b>Grade in school</b>				
6th	12	*	*	*
7th	22	148	3.5	(2.2-5.3)
8th	21	244	5.5	(3.6-8.5)
<b>Estimated grades in past year</b>				
Mostly A's	14	*	*	*
Mostly B's	10	*	*	*
Mostly C's	12	*	*	*
Mostly D's or F's	6	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 3. Percentage of middle school students who reported they rarely or never wear a seatbelt when riding in a car, 2008, 2010, 2013, 2018**



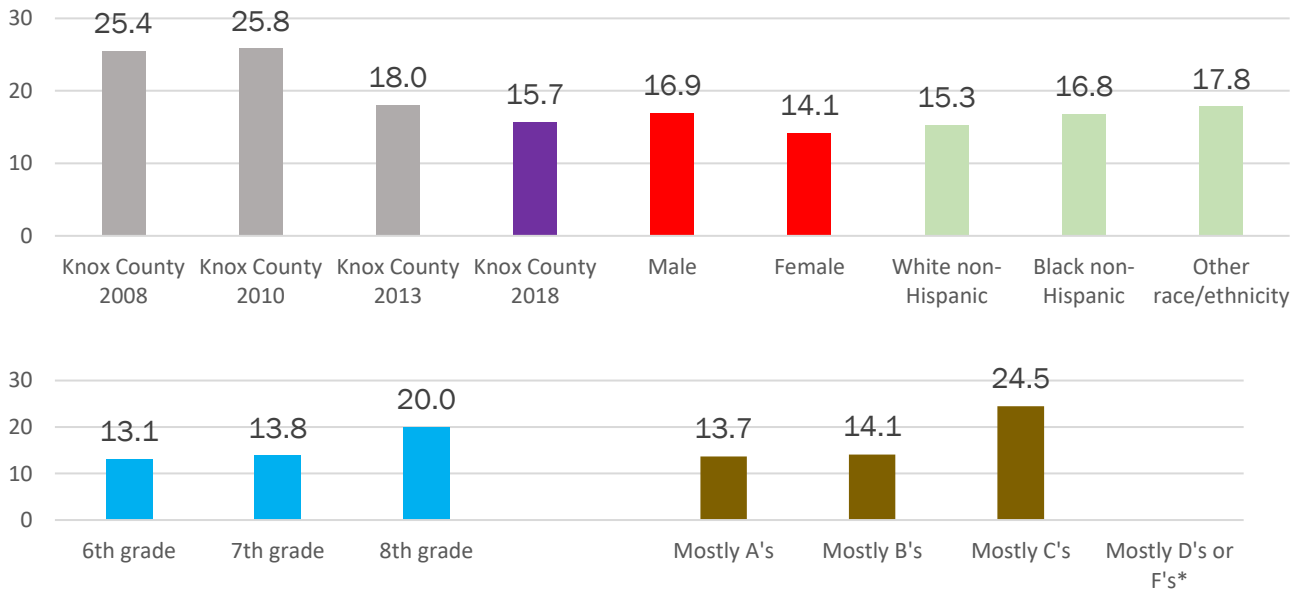
**Table 4. Percentage of middle school students who reported they rode in a car with a driver who had been drinking alcohol**

(Total n = 1,309)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	203	2,007	15.7	(13.7-17.9)
Male	125	1,224	16.9	(14.2-20.0)
Female	78	784	14.1	(11.4-17.3)
<b>Race-ethnicity</b>				
White non-Hispanic	146	1,518	15.3	(13.1-17.8)
Black non-Hispanic	31	379	16.8	(12.0-23.0)
Other race-ethnicity	26	110	17.8	(12.4-24.9)
<b>Grade in school</b>				
6th grade	46	544	13.1	(9.9-17.1)
7th grade	80	586	13.8	(11.1-16.9)
8th grade	77	878	20.0	(16.2-24.5)
<b>Estimated grades in past year</b>				
Mostly A's	61	585	13.7	(10.7-17.4)
Mostly B's	60	579	14.1	(11.0-17.9)
Mostly C's	37	406	24.5	(18.1-32.3)
Mostly D's or F's	11	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 4. Percentage of middle school students who reported they rode in a car with a driver who had been drinking alcohol, 2008, 2010, 2013, 2018; 2018 by gender, race-ethnicity, grade in school, and estimated school grades during the past year**



\*Fewer than 20 responses, too unreliable to report.

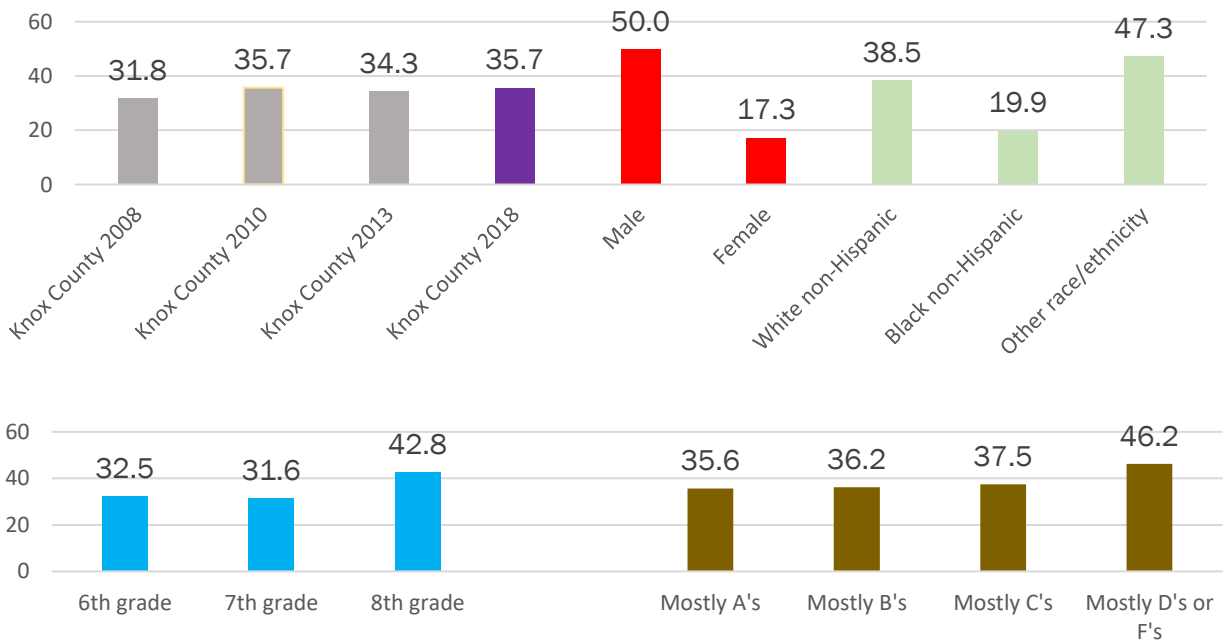
Section 2:  
**Behaviors That Contribute  
to Self-harm and Violence**

**Table 5. Percentage of middle school students who reported they had carried a weapon such as a gun, knife or club during their lifetime**

(Total n = 1,310)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	469	4,563	35.7	(33.0-38.5)
Male	373	3,598	50.0	(46.2-53.8)
Female	96	965	17.3	(14.3-20.7)
<b>Race-ethnicity</b>				
White non-Hispanic	362	3,823	38.5	(33.0-38.5)
Black non-Hispanic	36	443	19.9	(14.6-26.4)
Other race-ethnicity	71	297	47.3	(39.4-55.3)
<b>Grade in school</b>				
6th grade	119	1,350	32.5	(27.7-37.6)
7th grade	195	1,348	31.6	(28.0-35.6)
8th grade	155	1,865	42.8	(37.7-48.0)
<b>Estimated grades in past year</b>				
Mostly A's	155	1,538	35.6	(31.1-40.5)
Mostly B's	155	1,480	36.2	(31.5-41.2)
Mostly C's	60	646	37.5	(30.2-45.5)
Mostly D's or F's	24	221	46.2	(32.2-60.7)

**Figure 5: Percentage of middle school students who reported they had carried a weapon such as a gun, knife or club during their lifetime in 2008, 2010, 2013, 2018; 2018 by gender, race-ethnicity, grade in school, and estimated school grades during the past year**



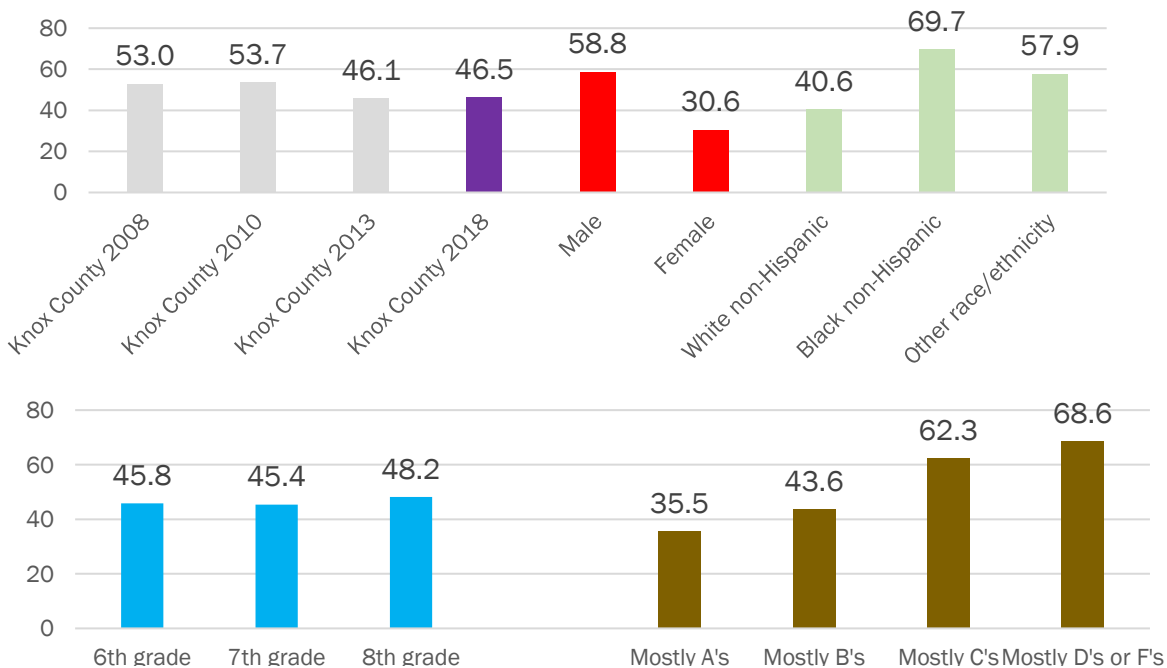


**Table 6. Percentage of middle school students who reported they were in a physical fight during their lifetime**

(Total n = 1,313)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	613	5,952	46.5	(43.7-49.4)
Male	440	4,241	58.8	(55.0-62.5)
Female	173	1,711	30.6	(26.9-34.6)
<b>Race-ethnicity</b>				
White non-Hispanic	387	4,044	40.6	(37.5-43.9)
Black non-Hispanic	136	1,543	69.7	(62.7-75.9)
Other race-ethnicity	90	365	57.9	(49.8-65.5)
<b>Grade in school</b>				
6th grade	163	1,905	45.8	(40.6-51.2)
7th grade	274	1,938	45.4	(41.3-49.6)
8th grade	176	2,109	48.2	(43.1-53.5)
<b>Estimated grades in past year</b>				
Mostly A's	153	1,535	35.5	(30.9-40.3)
Mostly B's	189	1,766	43.6	(38.7-48.6)
Mostly C's	105	1,078	62.3	(54.6-69.5)
Mostly D's or F's	34	340	68.6	(54.3-80.1)

**Figure 6: Percentage of middle school students who reported they were in a physical fight during their lifetime, 2008, 2010, 2013, 2018; 2018 by gender, race-ethnicity, grade, and estimated school grades during the past year**

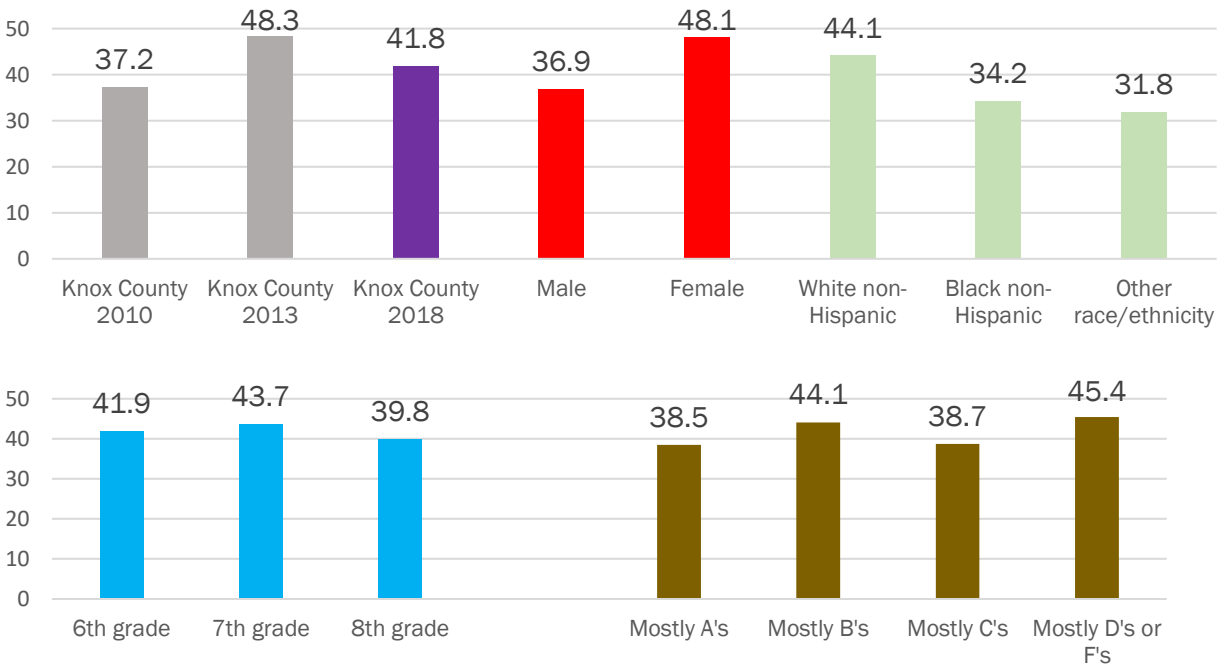


**Table 7. Percentage of middle school students who reported they had been bullied on school property**

(Total = 1,313)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	547	5,347	41.8	(39.0-44.6)
Male	276	2,664	36.9	(33.2-40.6)
Female	271	2,683	48.1	(44.0-52.4)
<b>Race-ethnicity</b>				
White non-Hispanic	429	4,388	44.1	(40.9-47.3)
Black non-Hispanic	68	757	34.2	(27.8-41.3)
Other race-ethnicity	50	202	31.8	(24.9-39.6)
<b>Grade in school</b>				
6th grade	146	1,747	41.9	(36.7-47.2)
7th grade	251	1,861	43.7	(39.6-47.9)
8th grade	150	1,739	39.8	(34.8-45.0)
<b>Estimated grades in past year</b>				
Mostly A's	166	1,659	38.5	(33.9-43.4)
Mostly B's	185	1,806	44.1	(39.2-49.1)
Mostly C's	67	662	38.7	(31.4-46.6)
Mostly D's or F's	25	225	45.4	(31.8-59.7)

**Figure 7: Percentage of middle school students who reported they had been bullied on school property, 2010, 2013, 2018; 2018 by gender, race-ethnicity, grade in school, and estimated school grades during the past year**



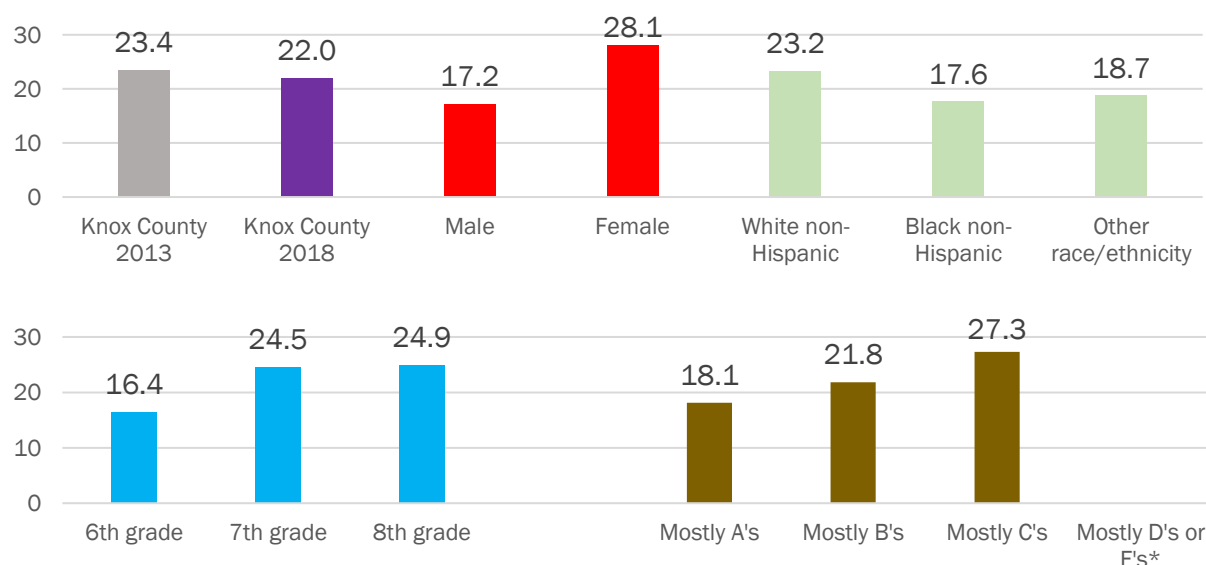
**Table 8. Percentage of middle school students who reported they were bullied electronically (texting, Instagram, Facebook, or other social media) during their lifetime**

(Total n = 1,319)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	294	2,829	22.0	(19.8-24.4)
Male	131	1,248	17.2	(14.5-20.3)
Female	163	1,582	28.1	(24.6-32.0)
<b>Race-ethnicity</b>				
White non-Hispanic	229	2,319	23.2	(20.6-26.0)
Black non-Hispanic	36	392	17.6	(12.8-23.6)
Other race-ethnicity	29	119	18.7	(13.2-25.7)
<b>Grade in school</b>				
6th grade	57	684	16.4	(12.8-20.8)
7th grade	140	1,050	24.5	(21.1-28.3)
8th grade	97	1,095	24.9	(20.7-29.6)
<b>Estimated grades in past year</b>				
Mostly A's	84	787	18.1	(14.7-22.1)
Mostly B's	92	895	21.8	(18.0-26.1)
Mostly C's	47	473	27.3	(20.9-34.8)
Mostly D's or F's	15	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 8. Percentage of middle school students who reported they were bullied electronically (texting, Instagram, Facebook, or other social media) during their lifetime, 2013, 2018; 2018 by gender, race-ethnicity, grade in school, and estimated school grades during the past year**



\*Fewer than 20 responses, too unreliable to report.

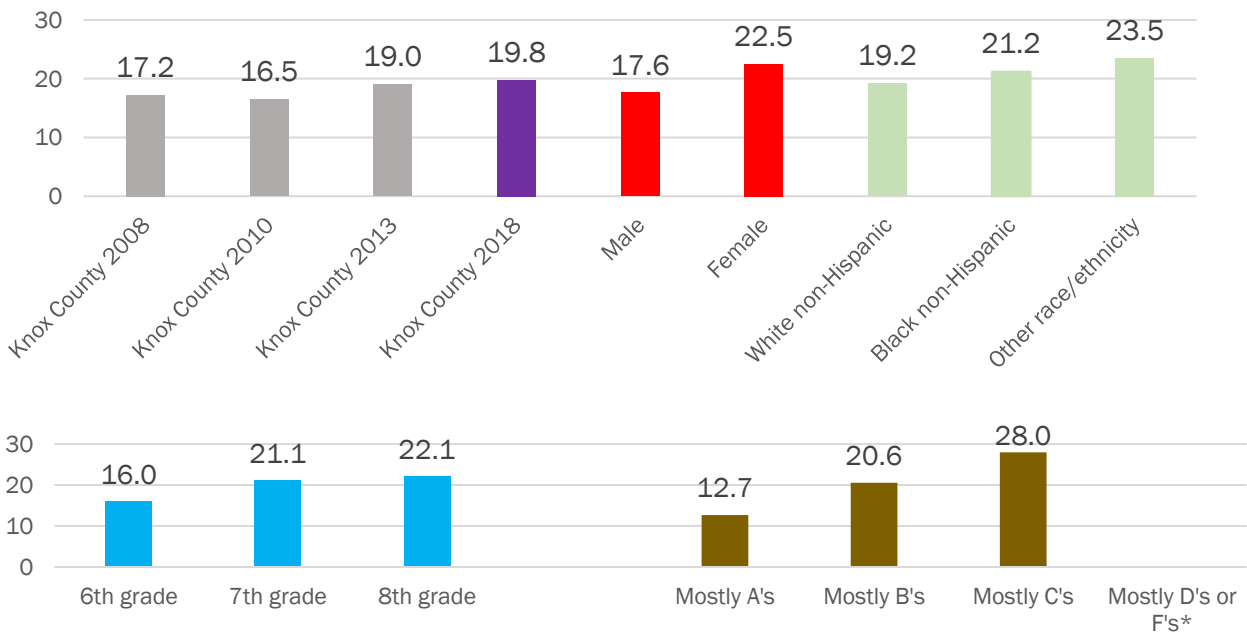
**Table 9. Percentage of middle school students who reported they had seriously thought about suicide**

(Total n = 1,298)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	262	2,504	19.8	(16.6-22.1)
Male	134	1,263	17.6	(14.9-20.8)
Female	128	1,241	22.5	(19.2-26.2)
<b>Race-ethnicity</b>				
White non-Hispanic	185	1,893	19.2	(16.8-21.9)
Black non-Hispanic	41	464	21.2	(15.8-27.6)
Other race-ethnicity	36	148	23.5	(17.4-31.0)
<b>Grade in school</b>				
6th grade	56	665	16.0	(12.5-20.4)
7th grade	121	886	21.1	(17.8-24.7)
8th grade	85	953	22.1	(18.1-26.8)
<b>Estimated grades in past year</b>				
Mostly A's	59	546	12.7	(9.8-16.3)
Mostly B's	90	834	20.6	(16.9-25.0)
Mostly C's	46	468	28.0	(21.4-35.7)
Mostly D's or F's	17	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 9. Percentage of middle school students who reported they had seriously thought about suicide, 2008, 2010, 2013, 2018; 2018 by gender, race-ethnicity, grade in school, and estimated school grades during the past year**



\*Fewer than 20 responses, too unreliable to report.

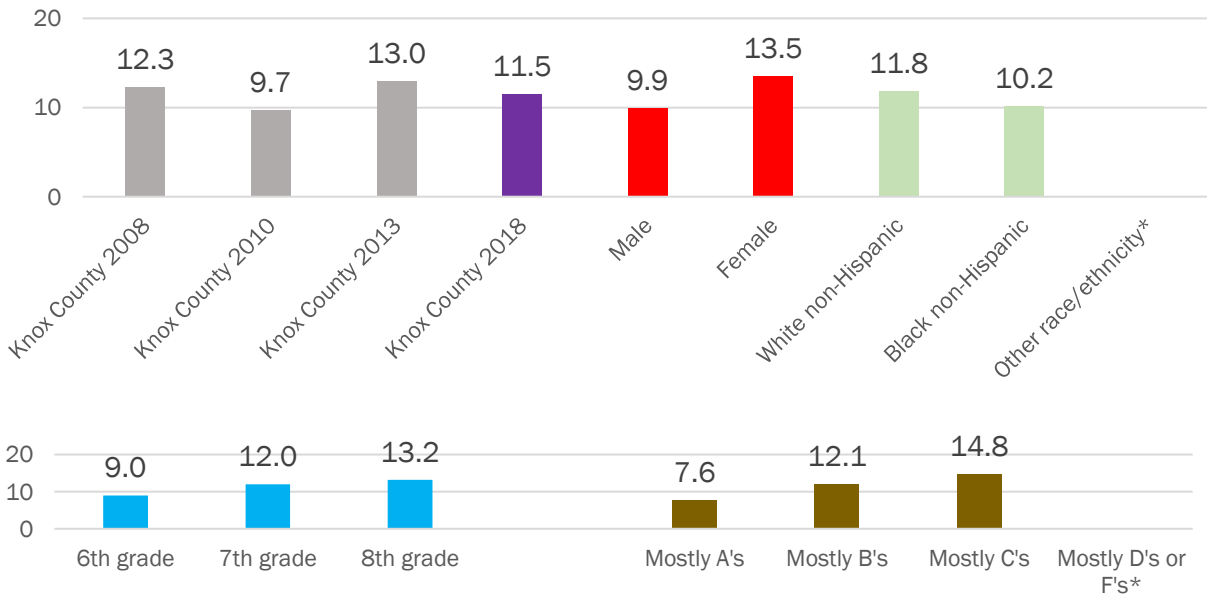
**Table 10. Percentage of middle school students who reported they had made a plan to commit suicide**

(Total n = 1,300)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	151	1,452	11.5	(9.8-13.4)
Male	75	708	9.9	(7.8-12.5)
Female	76	744	13.5	(10.8-16.6)
<b>Race-ethnicity</b>				
White non-Hispanic	114	1,161	11.8	(9.8-14.0)
Black non-Hispanic	20	225	10.2	(6.6-15.5)
Other race-ethnicity	17	*	*	*
<b>Grade in school</b>				
6th grade	31	373	9.0	(6.4-12.6)
7th grade	71	508	12.0	(9.6-15.0)
8th grade	49	571	13.2	(10.0-17.1)
<b>Estimated grades in past year</b>				
Mostly A's	33	327	7.6	(5.4-10.6)
Mostly B's	54	487	12.1	(9.2-15.6)
Mostly C's	23	249	14.8	(9.9-21.6)
Mostly D's or F's	10	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 10. Percentage of middle school students who reported they had made a plan to commit suicide, 2008, 2013, 2018; 2018 by gender, race-ethnicity, grade in school, and estimated school grades during the past year**



\*Fewer than 20 responses, too unreliable to report.

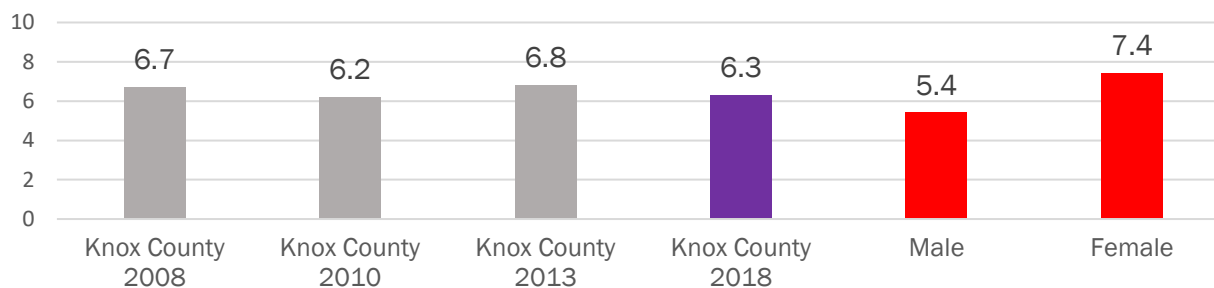
**Table 11. Percentage of middle school students who reported they attempted suicide**

(Total n = 1,295)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	83	793	6.3	(5.0-7.8)
Male	41	387	5.4	(3.9-7.4)
Female	42	406	7.4	(5.5-9.9)
<b>Race-ethnicity</b>				
White non-Hispanic	58	560	5.7	(4.4-7.4)
Black non-Hispanic	18	*	*	*
Other race-ethnicity	7	*	*	*
<b>Grade in school</b>				
6th grade	18	*	*	*
7th grade	43	319	7.6	(5.6-10.2)
8th grade	22	262	6.1	(4.0-9.1)
<b>Estimated grades in past year</b>				
Mostly A's	15	*	*	*
Mostly B's	28	270	6.7	(4.6-9.6)
Mostly C's	12	*	*	*
Mostly D's or F's	9	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 11. Percentage of middle school students who reported they attempted suicide, 2008, 2010, 2013, 2018; 2018 by gender**





Section 3:  
**Tobacco and Electronic  
Nicotine Device Use**

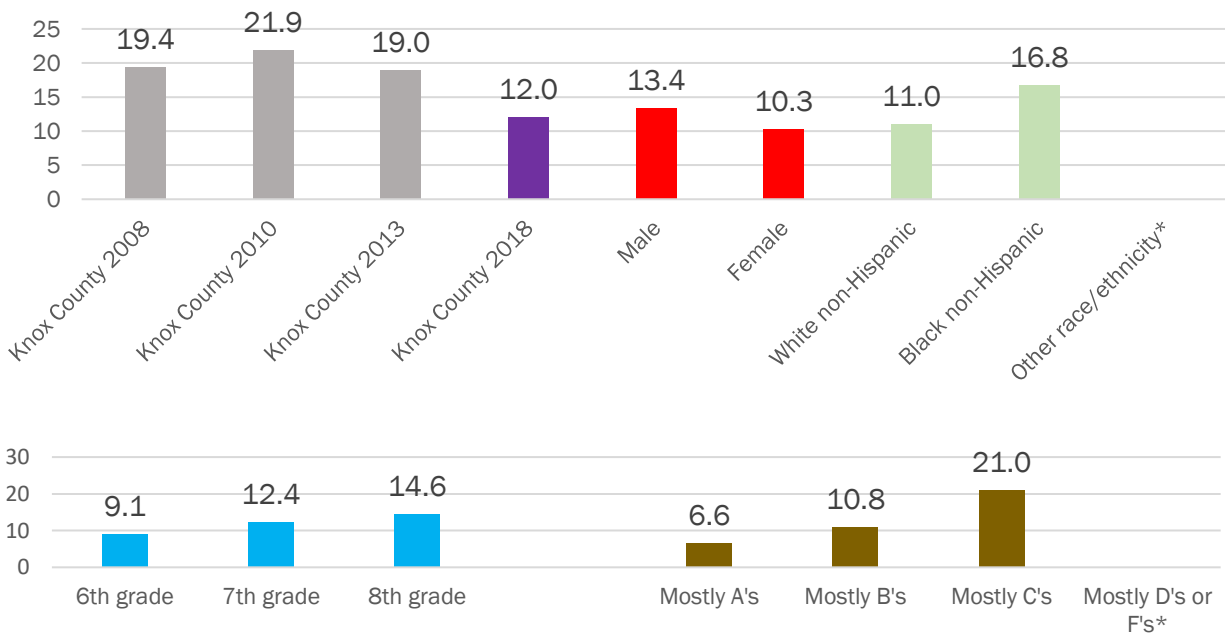
**Table 12. Percentage of middle school students who reported they tried cigarette smoking, even one or two puffs**

(Total n = 1,316)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	157	1,545	12.0	(10.3-14.0)
Male	99	969	13.4	(11.0-16.3)
Female	58	577	10.3	(8.0-13.1)
<b>Race-ethnicity</b>				
White non-Hispanic	107	1,100	11.0	(9.1-13.2)
Black non-Hispanic	32	373	16.8	(12.0-23.0)
Other race-ethnicity	18	*	*	*
<b>Grade in school</b>				
6th grade	32	380	9.1	(6.5-12.6)
7th grade	72	529	12.4	(9.9-15.4)
8th grade	53	636	14.6	(11.2-18.7)
<b>Estimated grades in past year</b>				
Mostly A's	29	286	6.6	(4.5-9.5)
Mostly B's	43	443	10.8	(8.0-14.4)
Mostly C's	35	355	21.0	(15.2-28.2)
Mostly D's or F's	14	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 12. Percentage of middle school students who reported they tried cigarette smoking, even one or two puffs, 2008, 2010, 2013, 2018; 2018 by gender, race-ethnicity, grade in school and estimated school grades during the past year**



\*Fewer than 20 responses, too unreliable to report.

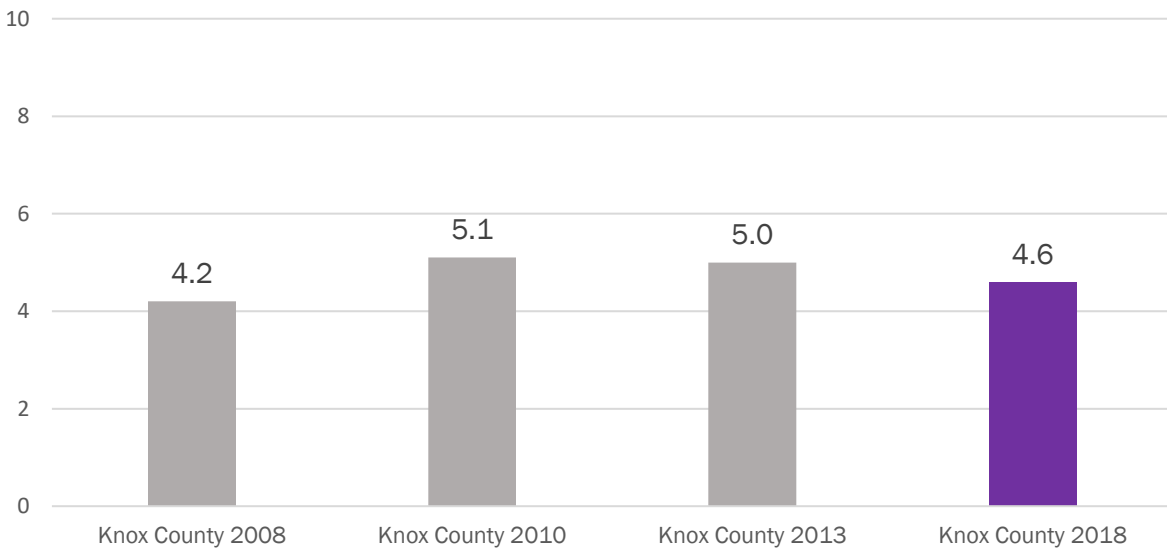
**Table 13. Percentage of middle school students who reported they smoked their first cigarette before 11 years of age**

(Total n = 1,319)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	62	596	4.6	(3.6-6.0)
Male	47	445	6.1	(1.6-4.4)
Female	15	*	*	*
<b>Race-ethnicity</b>				
White non-Hispanic	39	401	4.0	(2.9-5.5)
Black non-Hispanic	13	*	*	*
Other race-ethnicity	10	*	*	*
<b>Grade in School</b>				
6th grade	12	*	*	*
7th grade	27	195	4.6	(3.1-6.6)
8th grade	23	264	6.0	(3.9-9.0)
<b>Estimated grades in past year</b>				
Mostly A's	11	*	*	*
Mostly B's	14	*	*	*
Mostly C's	12	*	*	*
Mostly D's or F's	5	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 13. Percentage of middle school students reporting they smoked their first cigarette before 11 years of age, 2008, 2010, 2013, 2018**



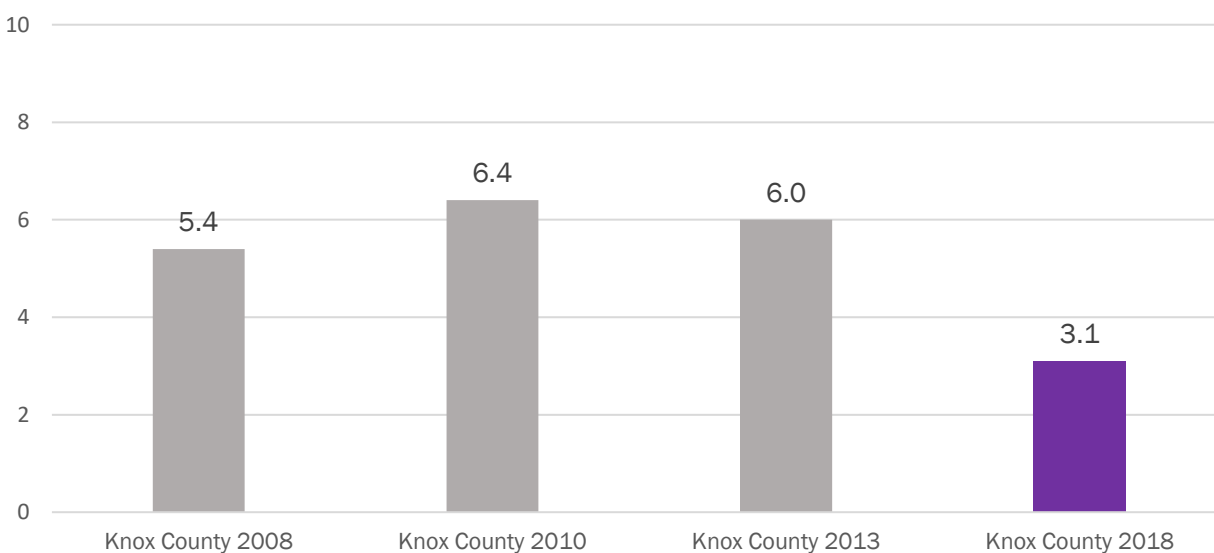
**Table 14. Percentage of middle school students who reported they smoked cigarettes on one or more days during the past 30 days (current smokers)**

(Total n=1,320)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	43	401	3.1	(2.3-4.2)
Male	28	261	3.6	(2.4-5.3)
Female	15	*	*	*
<b>Race-ethnicity</b>				
White non-Hispanic	29	294	2.9	(2.0-4.2)
Black non-Hispanic	7	*	*	*
Other race-ethnicity	7	*	*	*
<b>Grade in school</b>				
6th grade	6	*	*	*
7th grade	20	146	3.4	(2.2-5.3)
8th grade	17	*	*	*
<b>Estimated grades in past year</b>				
Mostly A's	4	*	*	*
Mostly B's	9	*	*	*
Mostly C's	6	*	*	*
Mostly D's or F's	8	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 14. Percentage of middle school students reporting they smoked cigarettes on one or more days during the past 30 days (current smokers), 2008, 2010, 2013, 2018**

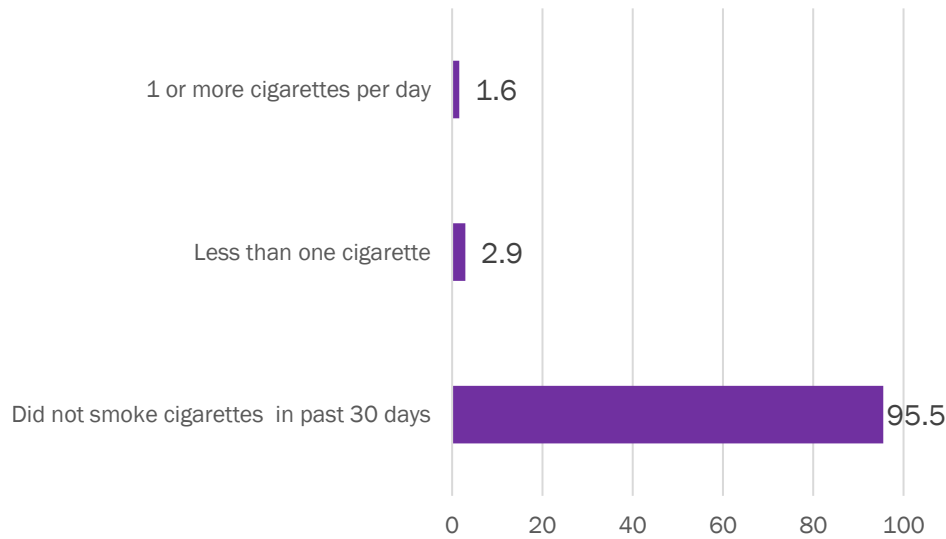


**Table 15. Average number of cigarettes smoked per day during the past 30 days: Percentages**

(Total n = 1,358)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
Did not smoke cigarettes in the past 30 days	1,249	12,202	95.5	(94.3-96.7)
Less than one cigarette	37	374	2.9	(1.9-3.9)
1 or more cigarettes per day	21	201	1.6	(0.9-2.3)

**Figure 15. Average number of cigarettes smoked per day during the past 30 days, 2018: Percentages**



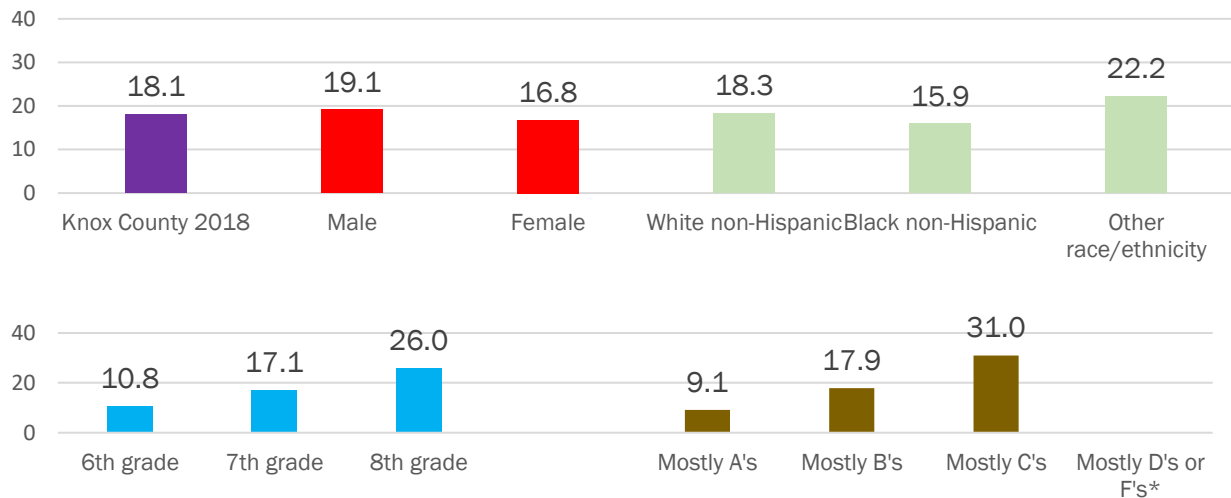
**Table 16. Percentage of middle school students reporting they used an electronic vapor product including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods during their lifetime<sup>3</sup>**

(Total n = 1,303)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	238	2,297	18.1	(16.0-20.3)
Male	145	1,365	19.1	(16.2-22.3)
Female	93	932	16.8	(13.9-20.2)
<b>Race-ethnicity</b>				
White non-Hispanic	173	1,813	18.3	(15.9-20.9)
Black non-Hispanic	30	347	15.9	(11.3-22.0)
Other race-ethnicity	35	138	22.2	(16.3-29.5)
<b>Grade in school</b>				
6th grade	37	447	10.8	(7.9-14.6)
7th grade	105	724	17.1	(14.2-20.4)
8th grade	96	1,126	26.0	(21.6-30.8)
<b>Estimated grades in past year</b>				
Mostly A's	41	390	9.1	(6.6-12.3)
Mostly B's	77	734	17.9	(14.4-22.1)
Mostly C's	50	528	31.0	(24.1-38.9)
Mostly D's or F's	18	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 16. Percentage of middle school students reporting they used an electronic vapor product including e-cigarettes, vapes, vape pens, e-cigars, e-hookah, hookah pens and mods during their lifetime by gender, race-ethnicity, grade in school, and estimated school grades during the past year, 2018**



\*Fewer than 20 responses, too unreliable to report.

<sup>3</sup> Note: This is the first time this variable was asked in the KC MS-YRBS.



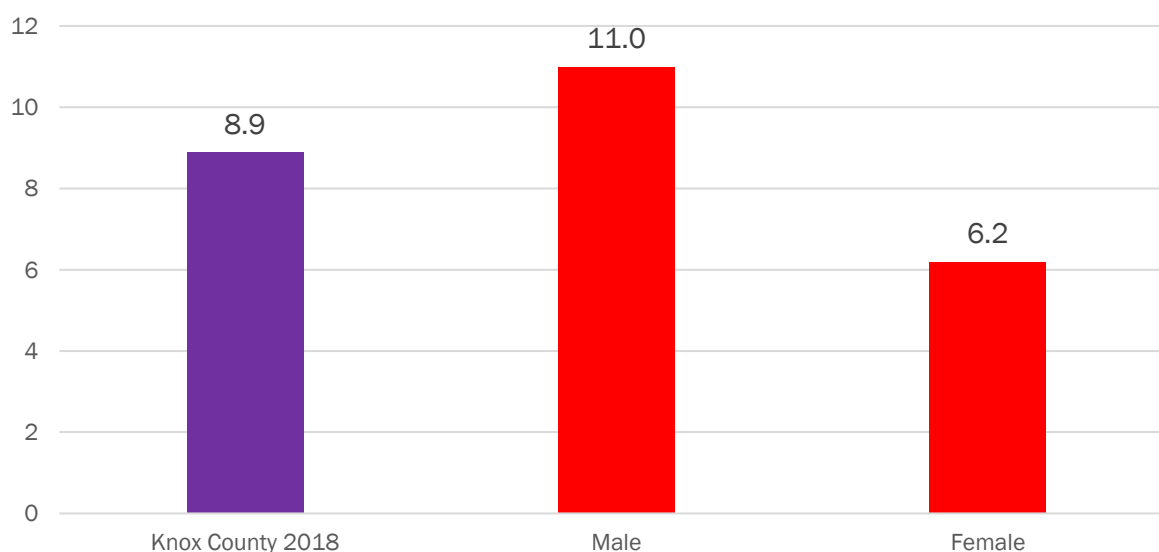
**Table 17. Percentage of middle school students who reported they used an electronic vapor product on one or more days during the past 30 days (current user)<sup>4</sup>**

(Total n = 1,308)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	118	1,134	8.9	(7.4-10.6)
Male	83	791	11.0	(8.8-13.6)
Female	35	343	6.2	(4.4-8.5)
<b>Race-ethnicity</b>				
White non-Hispanic	77	839	8.5	(6.8-10.5)
Black non-Hispanic	19	*	*	*
Other race-ethnicity	22	86	13.6	(9.1-20.0)
<b>Grade in school</b>				
6th grade	16	*	*	*
7th grade	51	337	7.9	(6.0-10.4)
8th grade	51	603	13.8	(10.5-17.8)
<b>Estimated grades in past year</b>				
Mostly A's	14	*	*	*
Mostly B's	33	288	7.0	(4.9-10.0)
Mostly C's	32	342	19.9	(14.3-27.2)
Mostly D's or F's	9	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 17. Percentage of middle school students who reported they used an electronic vapor product on one or more days during the past 30 days (current user) by gender**



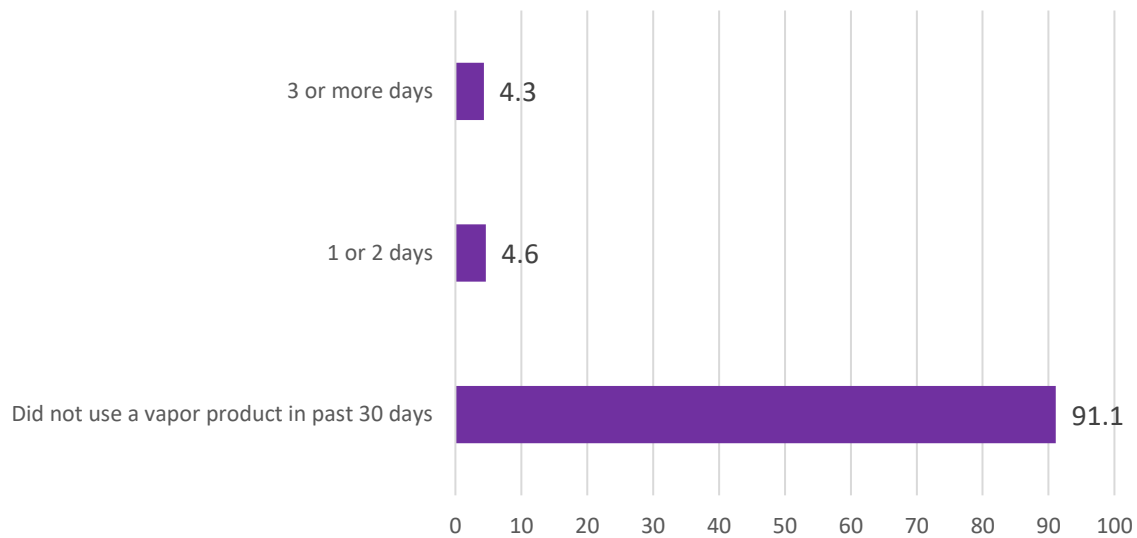
<sup>4</sup> Note: This is the first time this variable was asked in the KCS MS-YRBS.

**Table 18. Average number of days an electronic vapor product was used during the past 30 days, reported by middle school students: Percentages<sup>5</sup>**

(Total n = 1,308)

	Yes Response	Weighted Response	Percentage
Did not use a vapor product	1,190	11,631	91.1
1 or 2 days	63	589	4.6
3 or more days	55	544	4.3

**Figure 18. Average number of days an electronic vapor product was used during the past 30 days, reported by middle school students, 2018: Percentages**



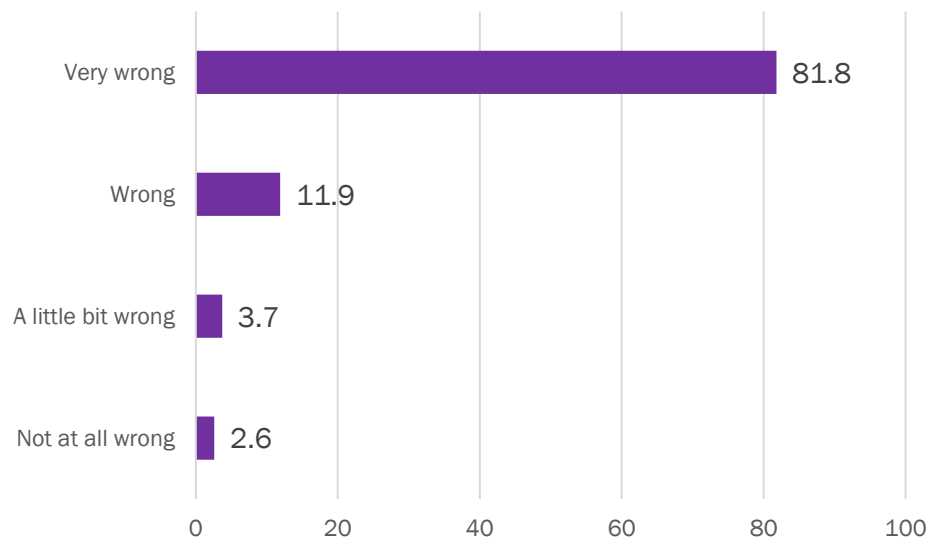
<sup>5</sup> Note: This is the first time this variable was asked in the KCS MS-YRBS.

**Table 19. Responses to the question, “How wrong do your parents feel it would be for you to use electronic nicotine devices such as Juul, Vuse, MarkTen, and Blu? Electronic vapor products include e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods.”: Percentages**

(Total n = 1,339)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
Not at all wrong	36	326	2.6	(1.7-3.6)
A little bit wrong	53	457	3.7	(2.6-4.8)
Wrong	158	1,469	11.9	(10.0-13.8)
Very wrong	1019	10,088	81.8	(79.5-84.0)

**Figure 19. Responses to the question, “How wrong do your parents feel it would be for you to use electronic nicotine devices such as Juul, Vuse, MarkTen, and Blu? Electronic vapor products include e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods.”, 2018: Percentages**



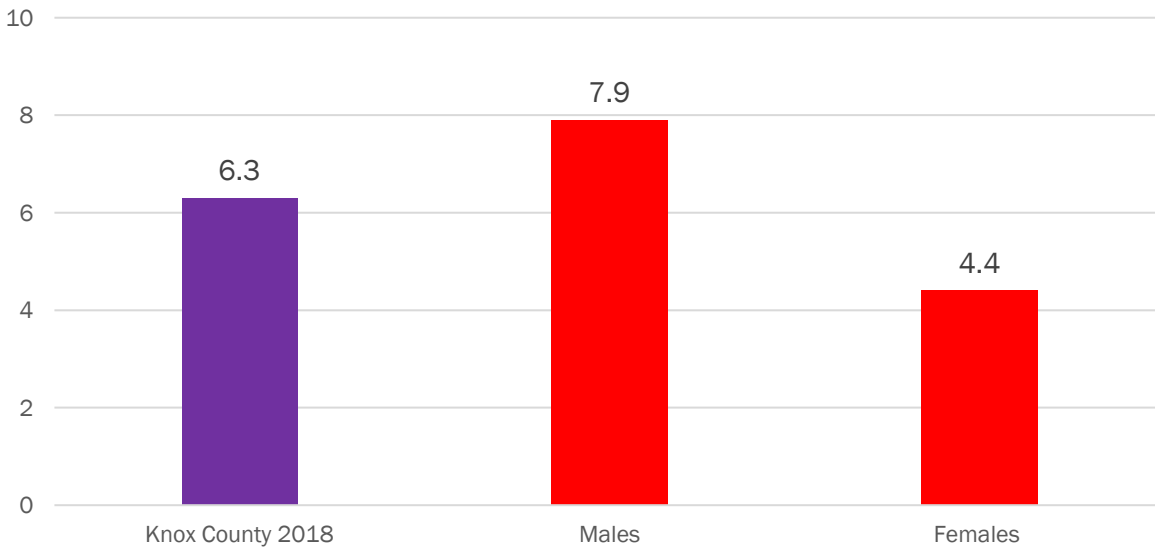
**Table 20. Percentage of middle school students who reported their parents would feel it was not at all wrong or a little bit wrong if they used electronic vapor products**

(Total n = 1,266)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	89	783	6.3	(5.1-7.9)
Male	64	544	7.9	(6.1-10.3)
Female	25	239	4.4	(2.9-6.4)
<b>Race-ethnicity</b>				
White non-Hispanic	55	567	5.8	(4.5-7.6)
Black non-Hispanic	11	*	*	*
Other race-ethnicity	23	93	15.2	(10.2-21.9)
<b>Grade in School</b>				
6th grade	12	*	*	*
7th grade	42	274	6.7	(4.9-9.1)
8th grade	35	372	8.8	(6.3-12.2)
<b>Estimated grades in past year</b>				
Mostly A's	13	*	*	*
Mostly B's	29	248	6.0	(4.1-8.8)
Mostly C's	20	201	11.9	(7.6-18.1)
Mostly D's or F's	5	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 20. Percentage of middle school students who reported their parents would feel it was not at all wrong or a little bit wrong if they used electronic vapor products by gender, 2018**



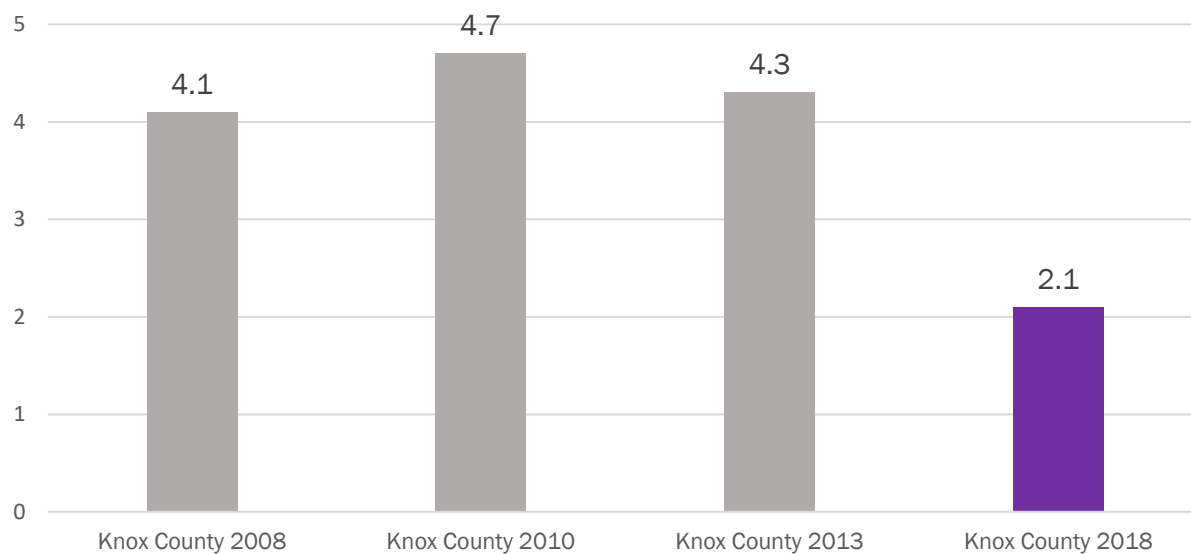
**Table 21. Percentage of middle school students who reported they used chewing tobacco, snuff, dip, snus, or dissolvable tobacco products on one or more days during the past 30 days**

(Total n = 1,311)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	33	271	2.1	(1.5-3.1)
Male	27	211	2.9	(1.9-4.5)
Female	6	*	*	*
<b>Race-ethnicity</b>				
White non-Hispanic	15	*	*	*
Black non-Hispanic	7	*	*	*
Other race-ethnicity	11	*	*	*
<b>Grade in School</b>				
6th grade	5	*	*	*
7th grade	19	*	*	*
8th grade	9	*	*	*
<b>Estimated grades in past year</b>				
Mostly A's	9	*	*	*
Mostly B's	2	*	*	*
Mostly C's	6	*	*	*
Mostly D's or F's	6	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 21. Percentage of middle school students who reported they used chewing tobacco, snuff, dip, snus, or dissolvable tobacco products on one or more days during the past 30 days, 2008, 2010, 2013, 2018**



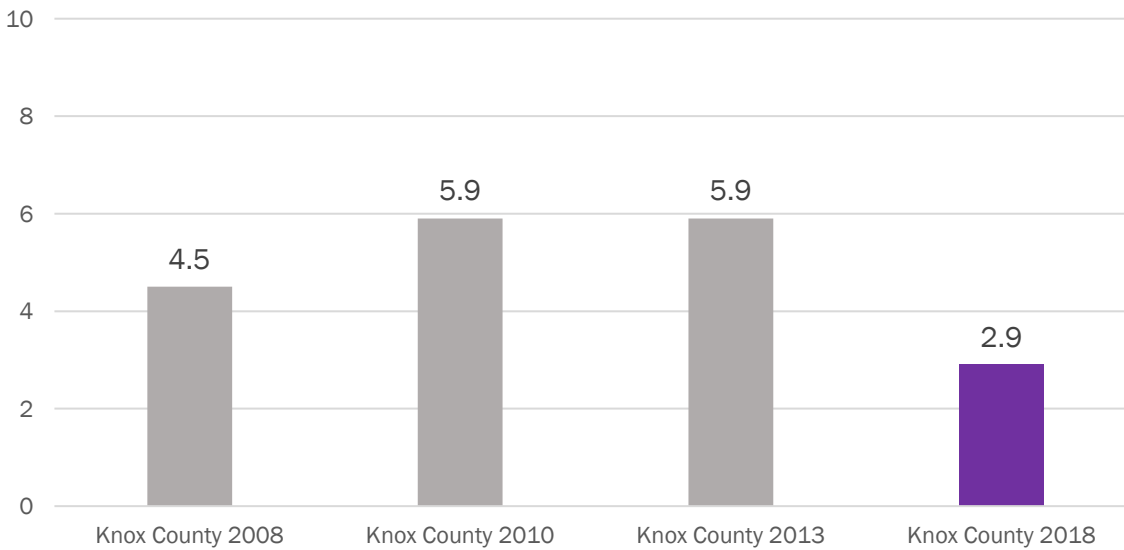
**Table 22. Percentage of middle school students who reported they smoked cigars, cigarillos, or little cigars on one or more days during the past 30 days**

(Total n = 1,306)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	41	376	2.9	(2.1-4.1)
Male	31	273	3.8	(2.6-5.6)
Female	10	*	*	*
<b>Race-ethnicity</b>				
White non-Hispanic	28	294	3.0	(2.0-4.3)
Black non-Hispanic	4	*	*	*
Other race-ethnicity	9	*	*	*
<b>Grade in school</b>				
6th grade	8	*	*	*
7th grade	19	*	*	*
8th grade	14	*	*	*
<b>Estimated grades in past year</b>				
Mostly A's	7	*	*	*
Mostly B's	10	*	*	*
Mostly C's	7	*	*	*
Mostly D's or F's	6	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 22. Percentage of middle school students who reported they smoked cigars, cigarillos, or little cigars on one or more days during the past 30 days, 2008, 2010, 2013, 2018**



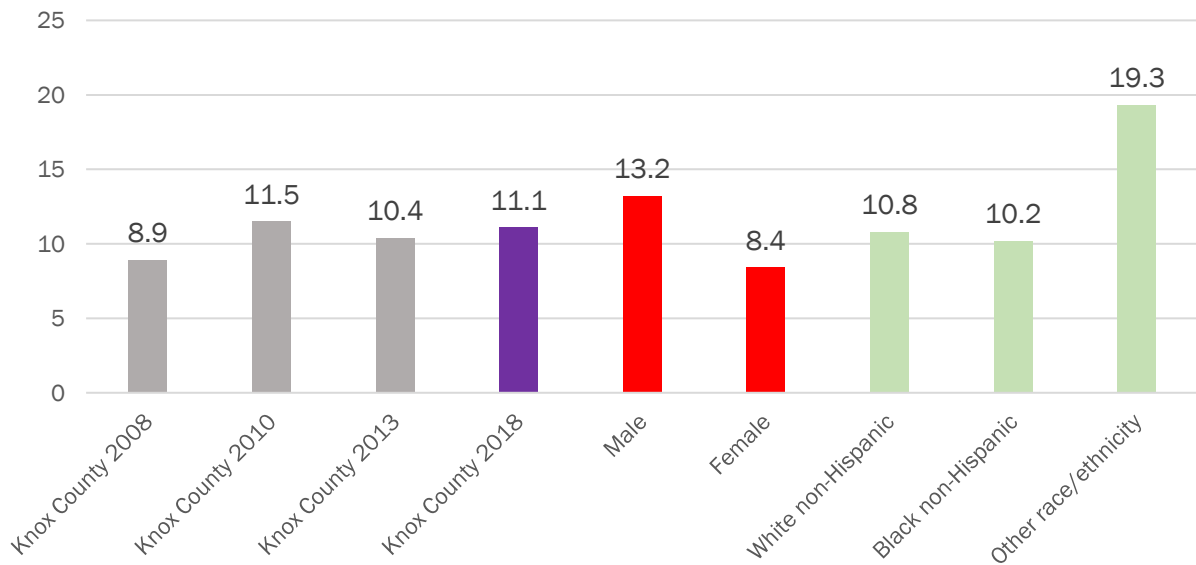
**Table 23. Percentage of middle school students who reported they used tobacco in any form, including cigarettes, cigars, smokeless tobacco products, or an electronic vapor product on one or more days during the past 30 days**

(Total n = 1,339)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	155	1,453	11.1	(9.5-13.0)
Male	107	975	13.2	(10.8-16.0)
Female	48	478	8.4	(6.4-11.1)
<b>Race-ethnicity</b>				
White non-Hispanic	101	1,088	10.8	(8.9-13.0)
Black non-Hispanic	22	238	10.2	(6.7-15.3)
Other race-ethnicity	32	126	19.3	(13.9-26.2)
<b>Grade in School</b>				
6th grade	28	329	7.7	(5.3-11.1)
7th grade	68	447	10.3	(8.1-13.0)
8th grade	59	677	15.2	(11.8-19.3)
<b>Estimated grades in past year</b>				
Mostly A's	26	240	5.5	(3.7-8.2)
Mostly B's	46	396	9.5	(7.1-12.8)
Mostly C's	33	351	20.3	(14.6-27.5)
Mostly D's or F's	14	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 23. Percentage of middle school students who reported they used tobacco in any form, including cigarettes, cigars, smokeless tobacco products, or an electronic vapor product on one or more days during the past 30 days, 2008, 2010, 2013, 2018; 2018 by gender and race-ethnicity**

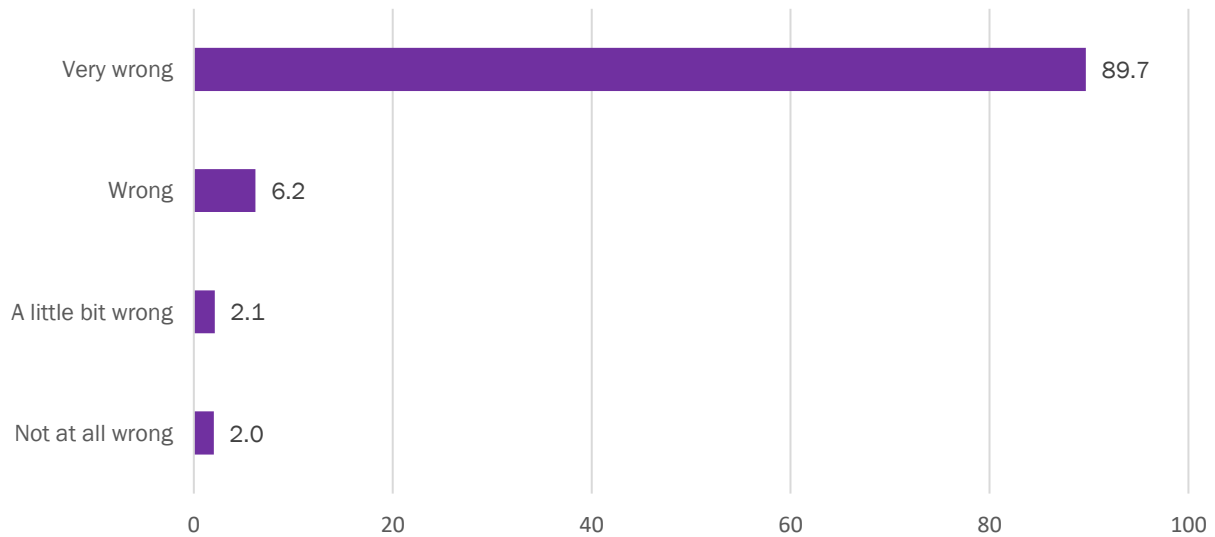


**Table 24. Responses to the question, “How wrong do your parents feel it would be for you to use tobacco products such as cigarettes, cigars, chewing tobacco or snuff?”**

(Total n = 1,339)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
Not at all wrong	27	242	2.0	(1.15-2.8)
A little bit wrong	31	264	2.1	(1.4-2.9)
Wrong	81	766	6.2	(4.8-7.6)
Very wrong	1,132	11,128	89.7	(88.0-91.5)

**Figure 24. Responses to the question, “How wrong do your parents feel it would be for you to use tobacco products such as cigarettes, cigars, chewing tobacco or snuff?” in 2018**





**Table 25. Percentage of middle school students who reported their parents would feel it was not at all wrong or a little bit wrong if they used tobacco products such as cigarettes, cigars, chewing tobacco or snuff**

(Total n = 1,271)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	58	507	4.1	(3.1-5.4)
Male	44	353	5.1	(3.7-7.1)
Female	14	*	*	*
<b>Race-ethnicity</b>				
White non-Hispanic	28	289	3.0	(2.0-4.3)
Black non-Hispanic	13	*	*	*
Other race-ethnicity	17	*	*	*
<b>Grade in School</b>				
6th grade	8	*	*	*
7th grade	25	160	3.9	(2.6-5.9)
8th grade	25	253	6.0	(3.9-8.9)
<b>Estimated grades in past year</b>				
Mostly A's	10	*	*	*
Mostly B's	16	*	*	*
Mostly C's	14	*	*	*
Mostly D's or F's	3	*	*	*

\*Fewer than 20 responses, too unreliable to report.

# Section 4:

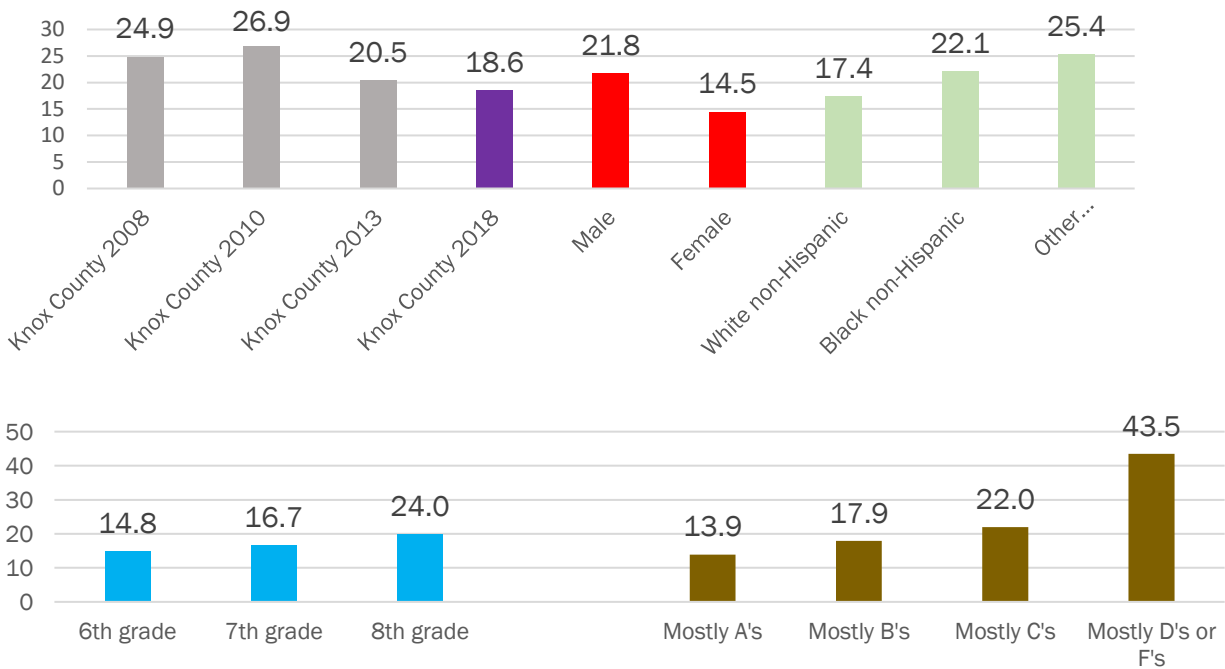
## **Alcohol and Other Drug Use**

**Table 26. Percentage of middle school students who reported they had tried alcohol other than a few sips**

(Total n = 1,302)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	243	2,352	18.6	(16.4-20.9)
Male	162	1,545	21.8	(18.7-25.1)
Female	81	807	14.5	(11.8-17.7)
<b>Race-ethnicity</b>				
White non-Hispanic	163	1,718	17.4	(15.0-20.0)
Black non-Hispanic	42	474	22.1	(16.6-28.7)
Other race-ethnicity	38	160	25.4	(19.0-33.1)
<b>Grade in school</b>				
6th grade	54	613	14.8	(11.4-19.0)
7th grade	99	706	16.7	(13.8-20.0)
8th grade	90	1,033	24.0	(19.8-28.8)
<b>Estimated grades in past year</b>				
Mostly A's	59	602	13.9	(10.8-17.7)
Mostly B's	80	731	17.9	(14.4-22.0)
Mostly C's	35	370	22.0	(16.0-29.4)
Mostly D's or F's	21	215	43.5	(30.0-58.0)

**Figure 25. Percentage of middle school students who reported they had tried alcohol other than a few sips, 2008, 2010, 2013, 2018; 2018 by gender, race-ethnicity, grade in school and estimated school grades during the past year**



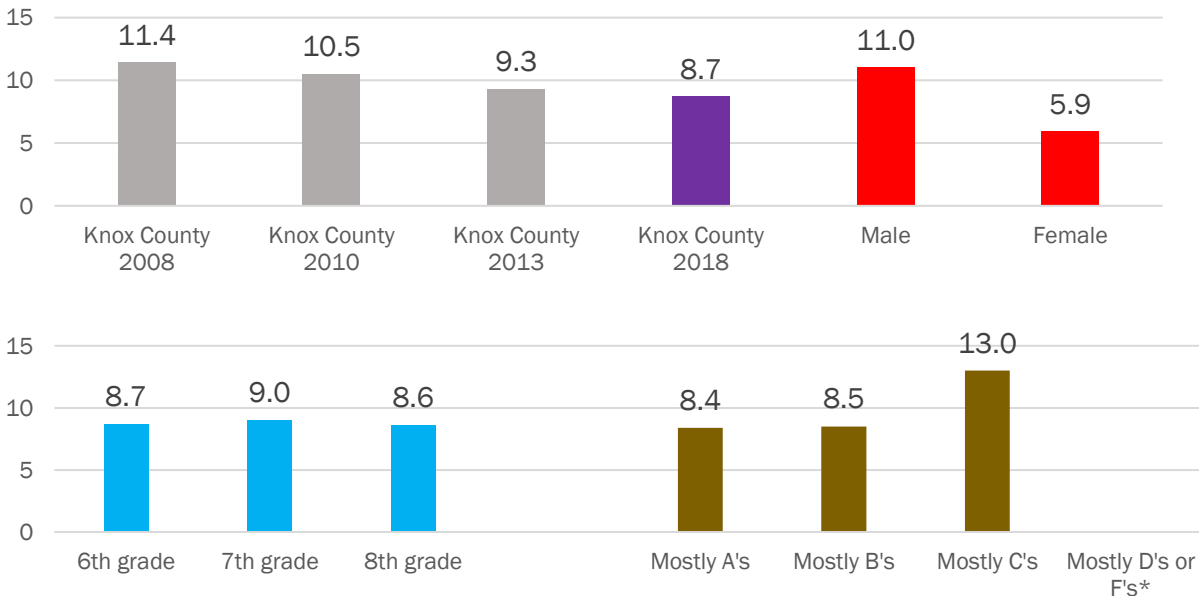
**Table 27. Percentage of middle school students who reported they tried alcohol other than a few sips before 11 years of age**

(Total n = 1,281)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	113	1,094	8.7	(7.2-10.5)
Male	80	770	11.0	(8.8-13.7)
Female	33	325	5.9	(4.2-8.2)
<b>Race-ethnicity</b>				
White non-Hispanic	78	807	8.3	(6.6-10.3)
Black non-Hispanic	19	*	*	*
Other race-ethnicity	16	*	*	*
<b>Grade in school</b>				
6th grade	32	357	8.7	(6.1-12.2)
7th grade	51	371	9.0	(6.8-11.7)
8th grade	30	366	8.6	(6.0-12.1)
<b>Estimated grades in past year</b>				
Mostly A's	34	356	8.4	(5.9-11.6)
Mostly B's	35	343	8.5	(6.1-11.7)
Mostly C's	21	218	13.0	(8.5-19.6)
Mostly D's or F's	6	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 26. Percentage of middle school students who reported they tried alcohol other than a few sips before 11 years of age, 2008, 2010, 2013, 2018; 2018 by gender, grade in school, and estimated school grades during the past year**



\*Fewer than 20 responses, too unreliable to report.

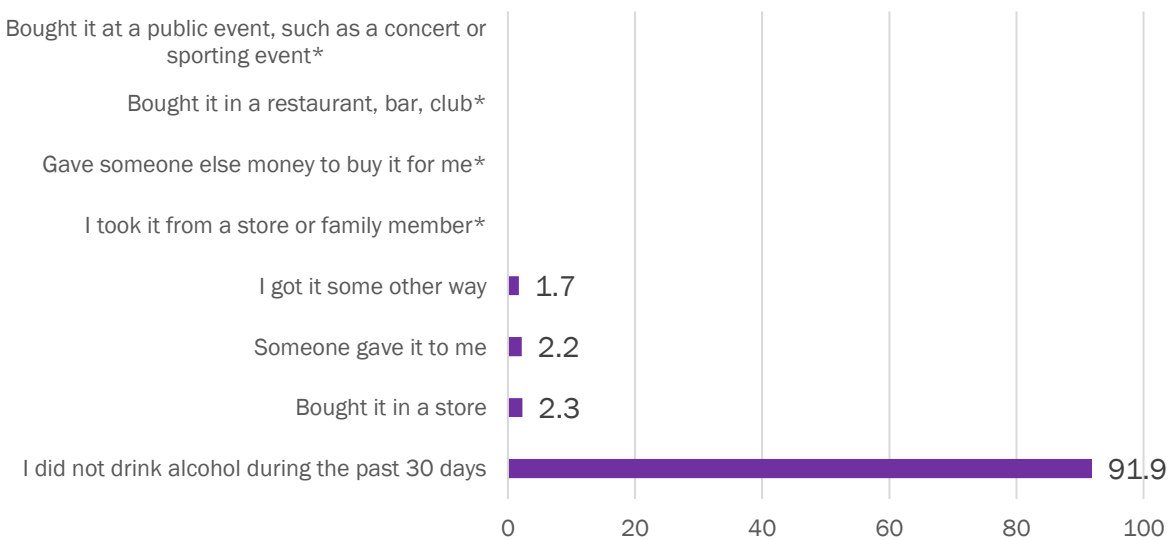
**Table 28. Methods in which alcohol was obtained in the past 30 days by percentage reported by middle school students**

(Total n = 1,298)

	Yes Response	Weighted Response	Percentage
I did not drink alcohol during the past 30 days	1,193	11,630	91.9
Bought it in a store	32	297	2.3
Someone gave it to me	26	277	2.2
I got it some other way	23	210	1.7
I took it from a store or family member	16	*	*
Gave someone else money to buy it for me	5	*	*
Bought it in a restaurant, bar, club	2	*	*
Bought it at a public event, such as a concert or sporting event	1	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 27. Methods in which alcohol was obtained in the past 30 days by percentage reported by middle school students, 2018**



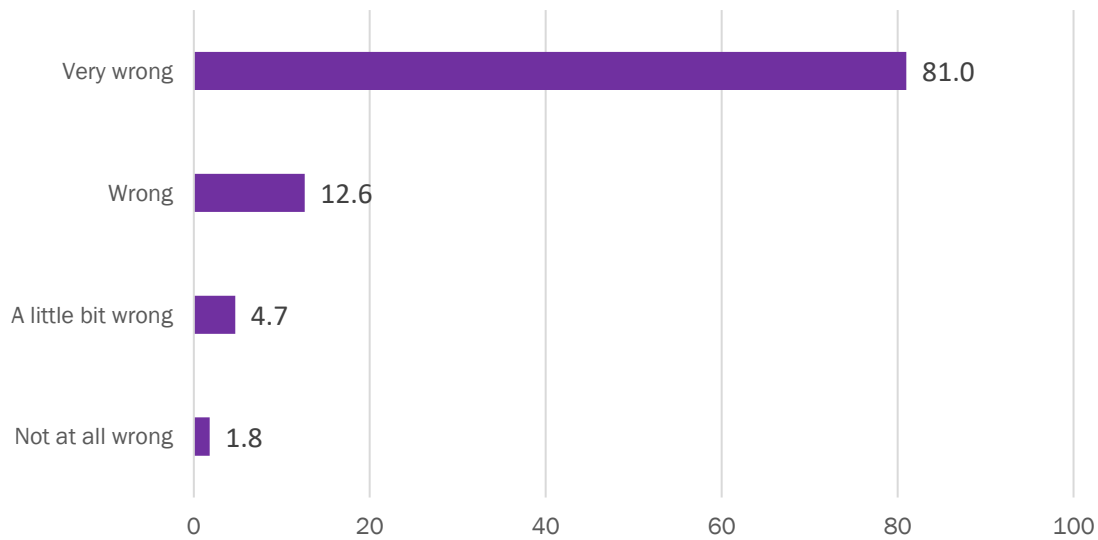
\*Fewer than 20 responses, too unreliable to report.

**Table 29. Responses to the question, “How wrong do your parents feel it would be for you to have one or two drinks of an alcoholic beverage every day?”: Percentages**

(Total n = 1,339)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
Not at all wrong	25	219	1.8	(1.0-2.5)
A little bit wrong	63	577	4.7	(3.5-5.9)
Wrong	164	1,559	12.6	(10.7-14.5)
Very wrong	1,016	10,009	81.0	(78.7-83.2)

**Figure 28. Responses to the question, “How wrong do your parents feel it would be for you to have one or two drinks of an alcoholic beverage every day?” in 2018**



**Table 30. Percentage of middle school students who reported their parents would feel it was not at all wrong or a little bit wrong if they drank one or two drinks of alcohol**

(Total n = 1,268)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	88	796	6.4	(5.2-8.0)
Male	60	523	7.7	(5.8-10.0)
Female	28	273	4.9	(3.4-7.1)
<b>Race-ethnicity</b>				
White non-Hispanic	59	608	6.2	(4.8-8.0)
Black non-Hispanic	9	*	*	*
Other race-ethnicity	20	77	12.8	(8.3-10.1)
<b>Grade in School</b>				
6th grade	12	*	*	*
7th grade	43	277	6.8	(5.0-9.2)
8th grade	33	375	8.9	(6.3-12.4)
<b>Estimated grades in past year</b>				
Mostly A's	17	*	*	*
Mostly B's	35	328	8.1	(5.7-11.2)
Mostly C's	15	*	*	*
Mostly D's or F's	4	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 29. Percentage of middle school students who reported their parents would feel it was not at all wrong or a little bit wrong if they drank one or two drinks of alcohol by gender, 2018**



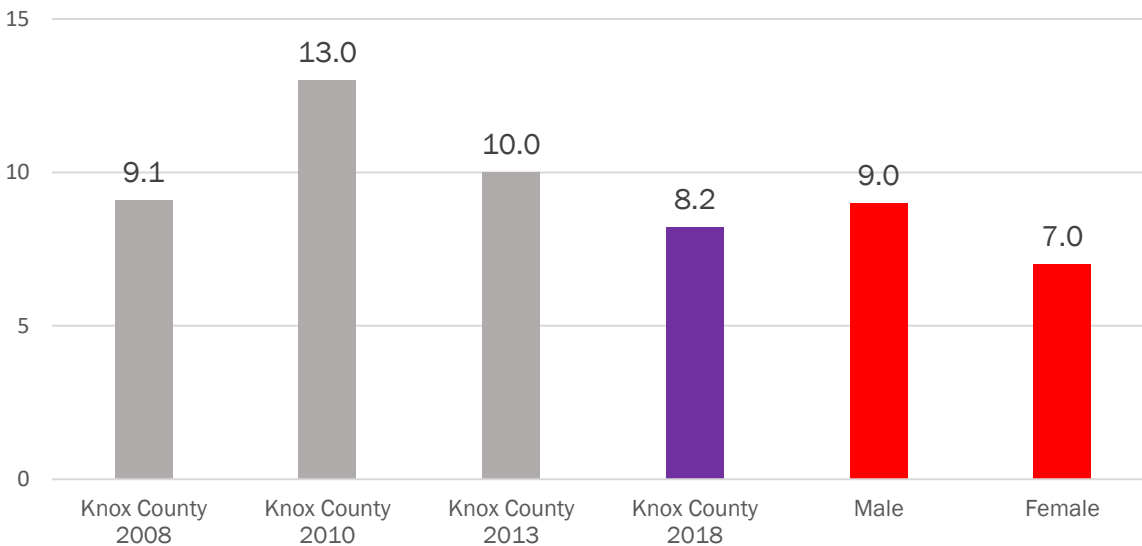
**Table 31. Percentage of middle school students who reported they had used marijuana during their lifetime**

(Total n = 1,294)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	107	1,029	8.2	(6.7-9.9)
Male	67	639	9.0	(7.0-11.5)
Female	40	390	7.0	(5.2-9.5)
<b>Race-ethnicity</b>				
White non-Hispanic	65	678	6.9	(5.4-8.7)
Black non-Hispanic	27	292	13.6	(9.4-19.3)
Other race-ethnicity	15	*	*	*
<b>Grade in school</b>				
6th grade	12	*	*	*
7th grade	52	380	9.0	(6.9-11.8)
8th grade	43	497	11.7	(8.7-15.5)
<b>Estimated grades in past year</b>				
Mostly A's	18	*	*	*
Mostly B's	28	281	6.8	(4.7-9.9)
Mostly C's	21	217	13.0	(8.4-19.4)
Mostly D's or F's	13	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 30. Percentage of middle school students who reported they used marijuana during their lifetime, 2008, 2010, 2013, 2018; 2018 by gender**



\*Fewer than 20 responses, too unreliable to report.



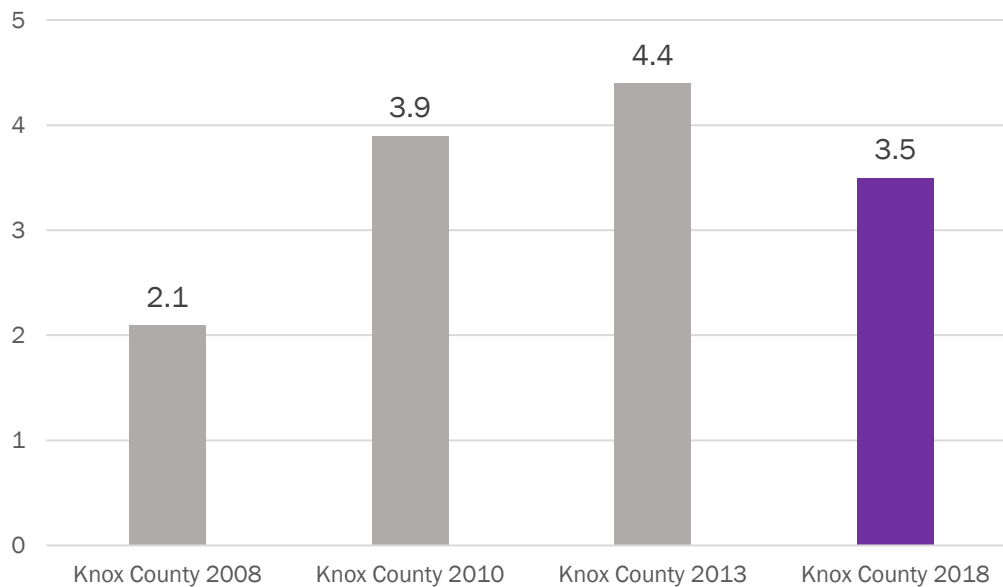
**Table 32. Percentage of middle school students who reported they tried marijuana before they were 11 years of age**

(Total n = 1,294)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	47	448	3.5	(2.6-4.8)
Male	30	274	3.9	(2.6-5.7)
Female	17	*	*	*
<b>Race-ethnicity</b>				
White non-Hispanic	27	276	2.8	(1.9-4.1)
Black non-Hispanic	12	*	*	*
Other race-ethnicity	8	*	*	*
<b>Grade in school</b>				
6th grade	12	*	*	*
7th grade	20	151	4.8	(2.3-5.6)
8th grade	15	*	*	*
<b>Estimated grades in past year</b>				
Mostly A's	13	*	*	*
Mostly B's	10	*	*	*
Mostly C's	8	*	*	*
Mostly D's or F's	4	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 31. Percentage of middle school students who reported they tried marijuana before the age of 11 years, 2008, 2010, 2013, 2018**

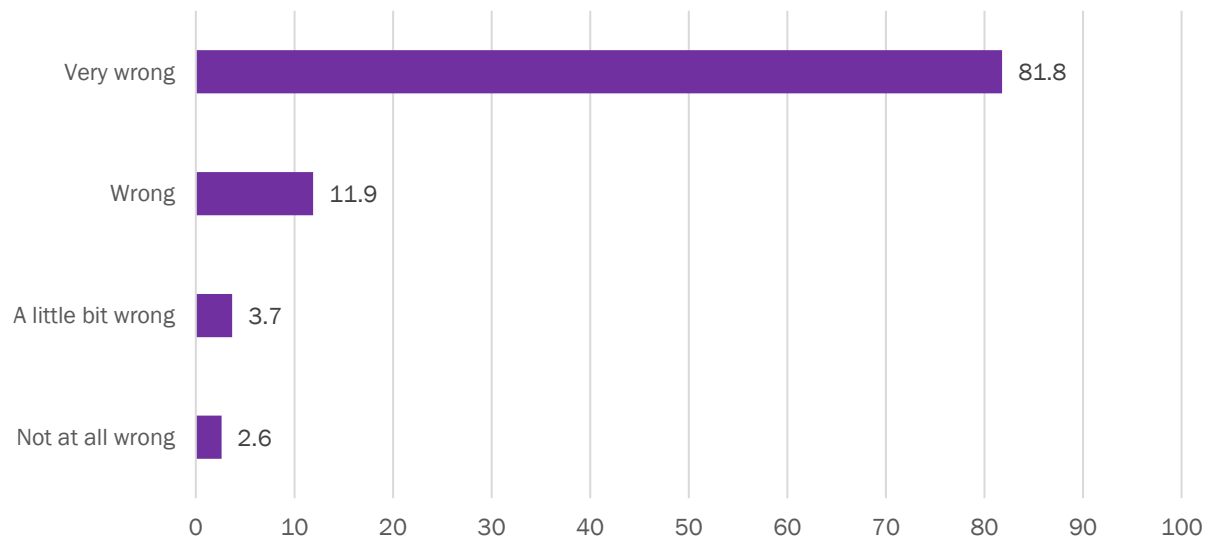


**Table 33. Responses to the question, “How wrong do your parents feel it would be for you to smoke marijuana?”: Percentages**

(Total n = 1,339)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
Not at all wrong	36	326	2.6	(1.7-2.6)
A little bit wrong	53	457	3.7	(2.6-4.8)
Wrong	158	1,469	11.9	(10.0-13.8)
Very wrong	1,019	12,340	81.8	(79.5-84.0)

**Figure 32. Responses to the question, “How wrong do your parents feel it would be for you to smoke marijuana?” by middle school students in 2018: Percentages**



**Table 34. Percentage of middle school students who reported their parents would feel it was not at all wrong or a little bit wrong if they smoked marijuana**

(Total n = 1,263)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	54	483	3.9	(3.0-5.2)
Male	35	301	4.4	(3.1-6.3)
Female	*	*	*	*
<b>Race-ethnicity</b>				
White non-Hispanic	30	312	3.2	(2.2-4.6)
Black non-Hispanic	11	*	*	*
Other race-ethnicity	13	*	*	*
<b>Grade in School</b>				
6th grade	5	*	*	*
7th grade	25	176	4.3	(2.9-6.4)
8th grade	24	252	6.0	(4.0-9.0)
<b>Estimated grades in past year</b>				
Mostly A's	10	*	*	*
Mostly B's	14	*	*	*
Mostly C's	12	*	*	*
Mostly D's or F's	3	*	*	*

\*Fewer than 20 responses, too unreliable to report.

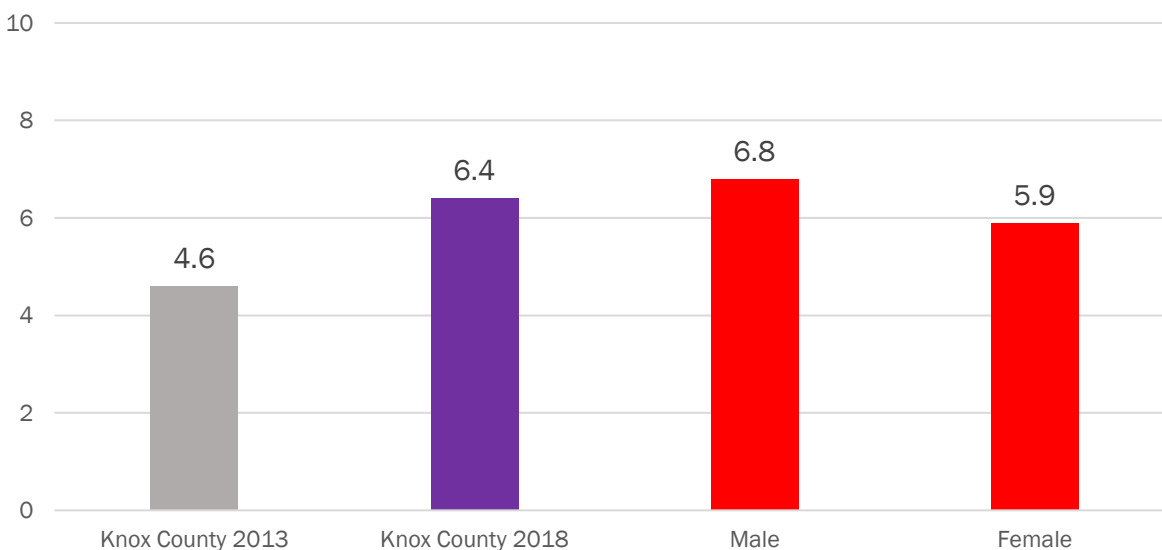
**Table 35. Percentage of middle school students who reported they had taken pain medicine without a doctor’s prescription or differently than how a doctor told them to use it**

(Total n = 1,281)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	86	801	6.4	(5.1-7.9)
Male	54	478	6.8	(5.1-9.0)
Female	32	323	5.9	(4.2-8.3)
<b>Race-ethnicity</b>				
White non-Hispanic	55	554	5.7	(4.3-7.4)
Black non-Hispanic	17	*	*	*
Other race-ethnicity	14	*	*	*
<b>Grade in school</b>				
6th grade	12	*	*	*
7th grade	42	291	7.0	(5.2-9.5)
8th grade	32	375	8.8	(6.3-12.3)
<b>Estimated grades in past year</b>				
Mostly A’s	20	192	4.5	(2.9-7.0)
Mostly B’s	27	265	6.5	(4.4-9.5)
Mostly C’s	16	*	*	*
Mostly D’s or F’s	4	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 33. Percentage of middle school students who reported they had taken pain medicine without a doctor’s prescription or differently than how a doctor told them to use it, 2013, 2018; 2018 by gender**

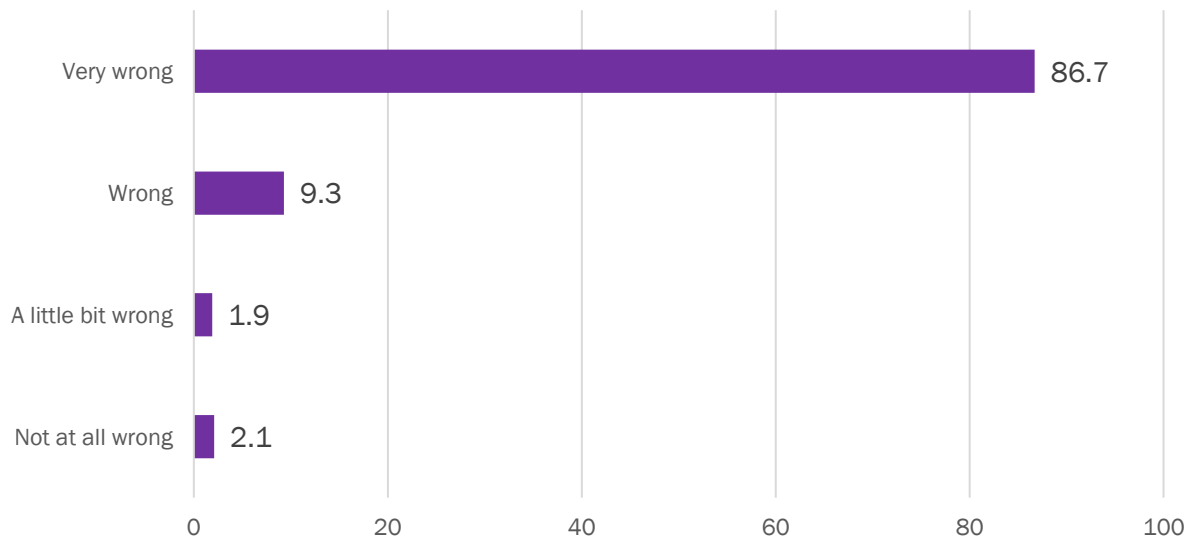


**Table 36. Responses to the question, “How wrong do your parents feel it would be for you to use prescription drugs not prescribed for you?”: Percentages**

(Total n = 1,339)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
Not at all wrong	30	255	2.1	(1.2-2.9)
A little bit wrong	28	233	1.9	(1.1-2.7)
Wrong	117	1,137	9.3	(7.6-11.0)
Very wrong	1,081	10,615	86.7	(84.8-88.7)

**Figure 34. Responses to the question, “How wrong do your parents feel it would be for you to use prescription drugs not prescribed for you?” by middle school students in 2018: Percentages**



**Table 37. Percentage of middle school students who reported their parents would feel it was not at all wrong or a little bit wrong if they use prescription drugs not prescribed for them**

(Total n = 1,256)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	58	488	4.0	(3.0-5.2)
Male	36	267	3.9	(2.7-5.7)
Female	22	221	4.0	(2.7-6.1)
<b>Race-ethnicity</b>				
White non-Hispanic	29	306	3.2	(2.2-4.6)
Black non-Hispanic	8	*	*	*
Other race-ethnicity	21	87	15.0	(9.6-21.3)
<b>Grade in School</b>				
6th grade	7	*	*	*
7th grade	21	125	3.1	(2.0-4.8)
8th grade	30	299	7.2	(4.9-10.3)
<b>Estimated grades in past year</b>				
Mostly A's	14	*	*	*
Mostly B's	18	*	*	*
Mostly C's	10	*	*	*
Mostly D's or F's	5	*	*	*

\*Fewer than 20 responses, too unreliable to report.

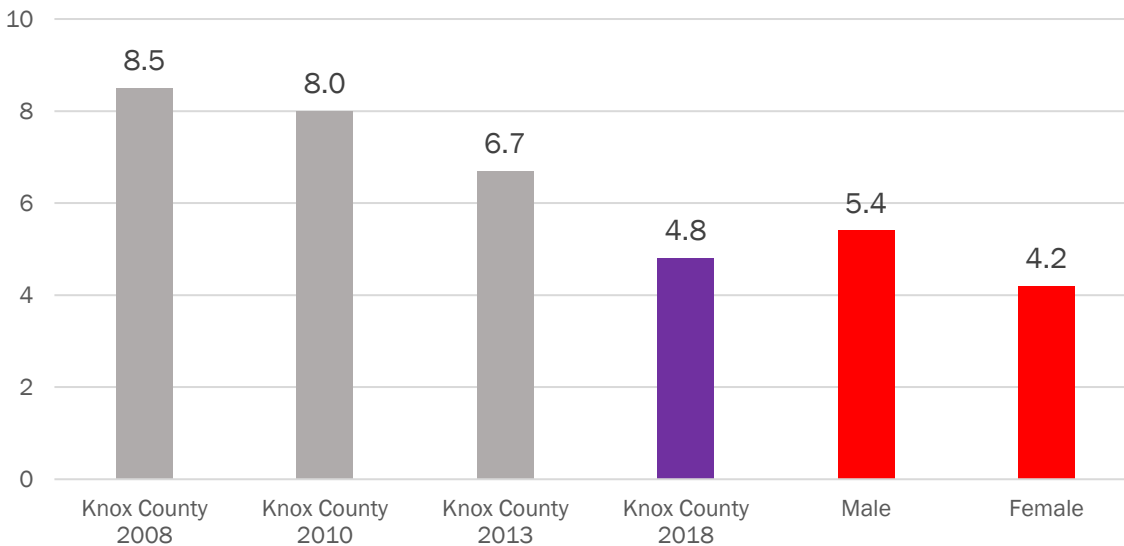
**Table 38. Percentage of middle school students who reported they used inhalants (spray cans, paints, or sprays) to get high during their lifetime**

(Total n = 1,286)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	64	609	4.8	(3.7-6.2)
Male	40	377	5.4	(3.8-7.4)
Female	24	233	4.2	(2.8-6.2)
<b>Race-ethnicity</b>				
White non-Hispanic	47	480	4.9	(3.7-6.5)
Black non-Hispanic	7	*	*	*
Other race-ethnicity	10	*	*	*
<b>Grade in school</b>				
6th grade	9	*	*	*
7th grade	31	217	5.2	(3.7-7.4)
8th grade	24	280	6.6	(4.4-9.8)
<b>Estimated grades in past year</b>				
Mostly A's	13	*	*	*
Mostly B's	23	225	5.5	(3.6-8.2)
Mostly C's	0	*	*	*
Mostly D's or F's	4	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 35. Percentage of middle school students reporting they used inhalants (spray cans, paints, or sprays) to get high during their lifetime, 2008, 2010, 2013, 2018; 2018 by gender**



## Section 5: **Weight Control and Diet**



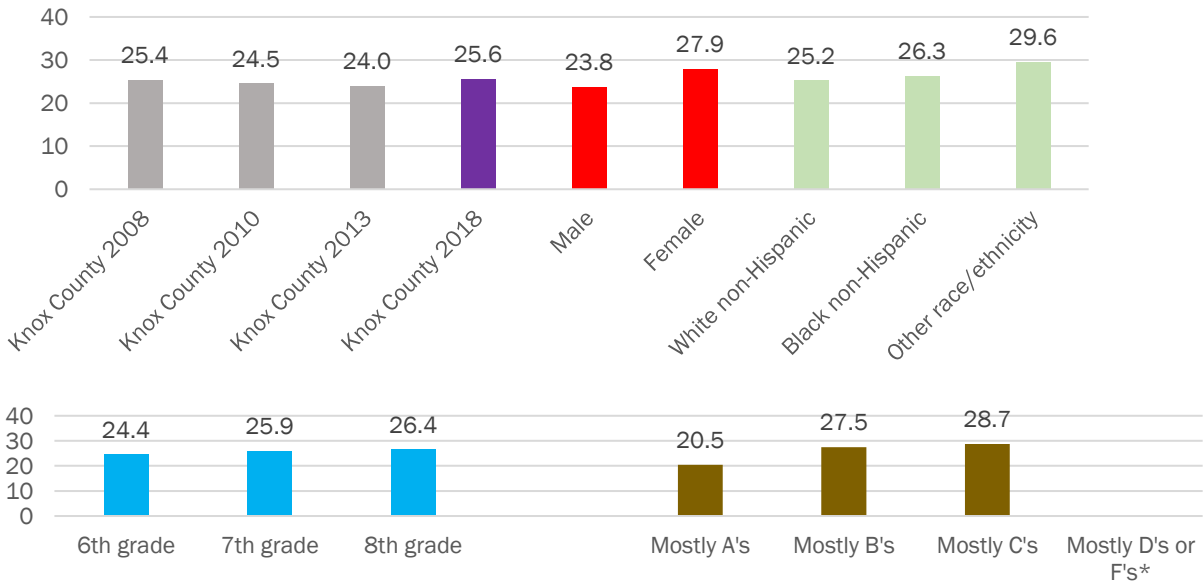
**Table 39. Percentage of middle school students who describe their weight as slightly overweight or very overweight**

(Total n = 1,245)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	322	3,107	25.6	(23.1-28.2)
Male	171	1,610	23.8	(20.5-27.3)
Female	151	1,497	27.9	(24.2-31.9)
<b>Race-ethnicity</b>				
White non-Hispanic	235	2,408	25.2	(22.4-28.2)
Black non-Hispanic	45	524	26.3	(20.2-33.5)
Other race-ethnicity	42	176	29.6	(22.6-37.7)
<b>Grade in school</b>				
6th grade	82	970	24.4	(20.0-29.4)
7th grade	141	1,039	25.9	(22.3-29.8)
8th grade	99	1,098	26.4	(22.0-31.4)
<b>Estimated grades in past year</b>				
Mostly A's	93	872	20.5	(16.8-24.7)
Mostly B's	114	1,099	27.5	(23.2-32.2)
Mostly C's	48	481	28.7	(22.1-36.4)
Mostly D's or F's	12	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 36. Percentage of middle school students who describe their weight as slightly overweight or very overweight, 2008, 2010, 2013, 2018; 2018 by gender, race-ethnicity, grade in school, and estimated school grades during the past year**



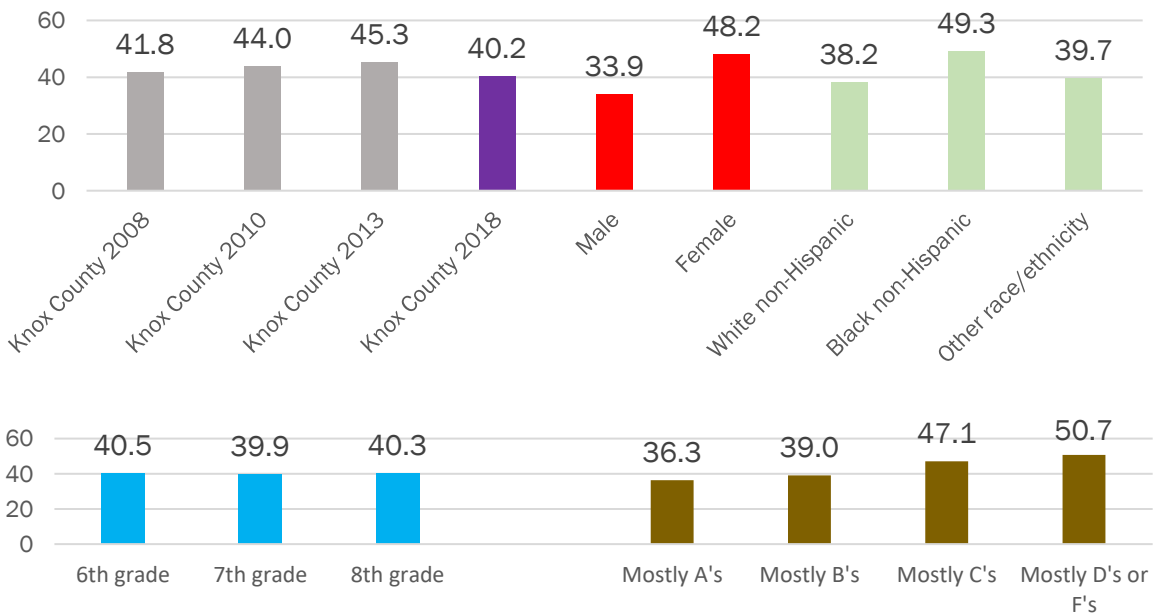
\*Fewer than 20 responses, too unreliable to report.

**Table 40. Percentage of middle school students who reported they were trying to lose weight**

(Total n = 1,236)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	498	4,854	40.2	(37.4-43.1)
Male	241	2,273	33.9	(30.2-37.8)
Female	257	2,581	48.2	(43.9-52.5)
<b>Race-ethnicity</b>				
White non-Hispanic	354	3,626	38.2	(35.1-41.6)
Black non-Hispanic	88	995	49.3	(41.8-56.8)
Other race-ethnicity	56	233	39.7	(31.9-48.1)
<b>Grade in school</b>				
6th grade	132	1,580	40.5	(35.2-46.0)
7th grade	214	1,592	39.9	(35.7-44.2)
8th grade	152	1,681	40.3	(35.3-45.6)
<b>Estimated grades in past year</b>				
Mostly A's	157	1,516	36.3	(31.7-41.2)
Mostly B's	164	1,569	39.0	(34.2-44.0)
Mostly C's	76	792	47.1	(39.3-55.1)
Mostly D's or F's	25	251	50.7	(36.6-64.7)

**Figure 37. Percentage of middle school students who reported they were trying to lose weight, 2008, 2010, 2013, 2018; 2018 by gender, race-ethnicity, grade in school, and estimated school grades during the past year**

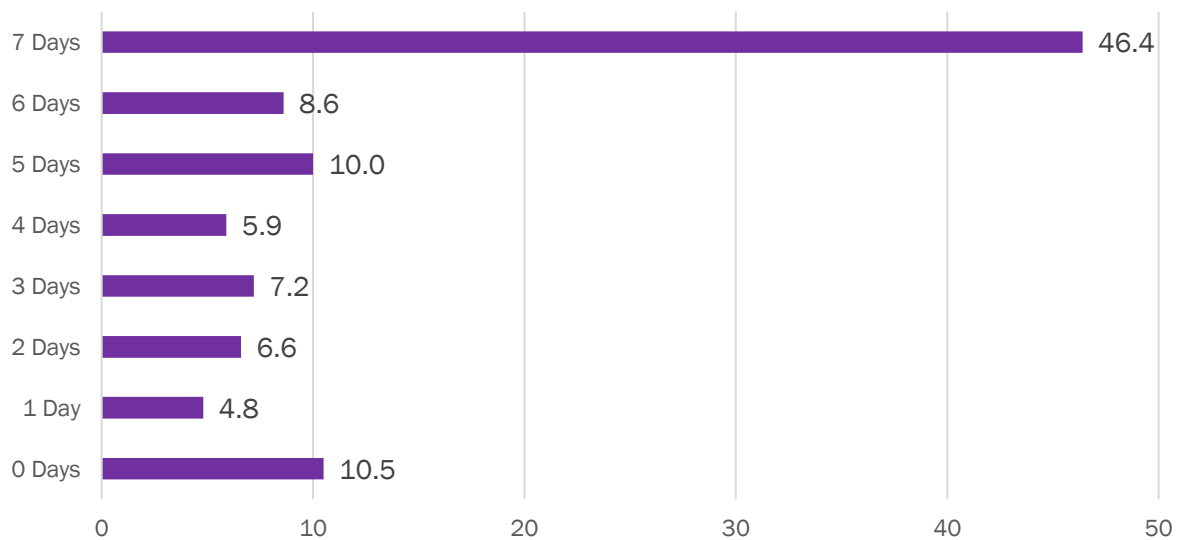


**Table 41. Responses to the question, “During the past 7 days, on how many days did you eat breakfast?": Percentages**

(Total n = 1,265)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
0 Days	131	1,296	10.5	(8.7-12.3)
1 Day	60	591	4.8	(3.6-6.0)
2 Days	86	820	6.6	(5.2-8.1)
3 Days	87	885	7.2	(5.7-8.7)
4 Days	74	728	5.9	(4.5-7.3)
5 Days	121	1,229	10.0	(8.2-11.7)
6 Days	106	1,062	8.6	(7.0-10.2)
7 Days	600	5,725	46.4	(43.5-49.3)

**Figure 38. Responses to the question, “During the past 7 days, on how many days did you eat breakfast?”, 2018: Percentages**

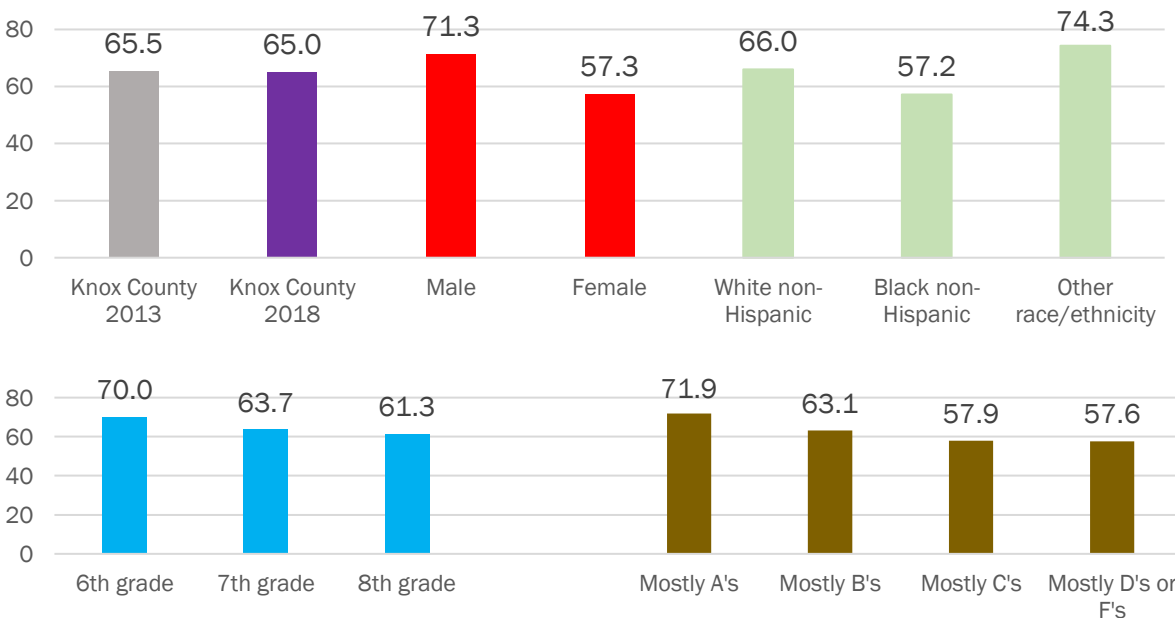


**Table 42. Percentage of middle school students who reported they ate breakfast five or more times during the past seven days**

(Total n = 1,339)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	827	8,017	65.0	(62.2-67.7)
Male	511	4,847	71.3	(67.5-74.7)
Female	316	3,170	57.3	(53.0-61.4)
<b>Race-ethnicity</b>				
White non-Hispanic	615	6,413	66.0	(62.9-69.1)
Black non-Hispanic	104	1,157	57.2	(49.6-64.4)
Other race-ethnicity	108	447	74.3	(66.6-80.8)
<b>Grade in school</b>				
6th grade	244	2,856	70.0	(64.8-74.7)
7th grade	359	2,600	63.7	(59.5-67.7)
8th grade	224	2,561	61.3	(56.0-66.4)
<b>Estimated grades in past year</b>				
Mostly A's	315	3,107	71.9	(67.3-76.1)
Mostly B's	269	2,585	63.1	(58.1-67.7)
Mostly C's	97	980	57.9	(50.1-65.4)
Mostly D's or F's	30	282	57.6	(43.0-71.0)

**Figure 39. Percentage of middle school students who reported they ate breakfast five or more times during the past seven days, 2013, 2018; 2018 by gender, race-ethnicity, grade in school, and estimated school grades during the past year**



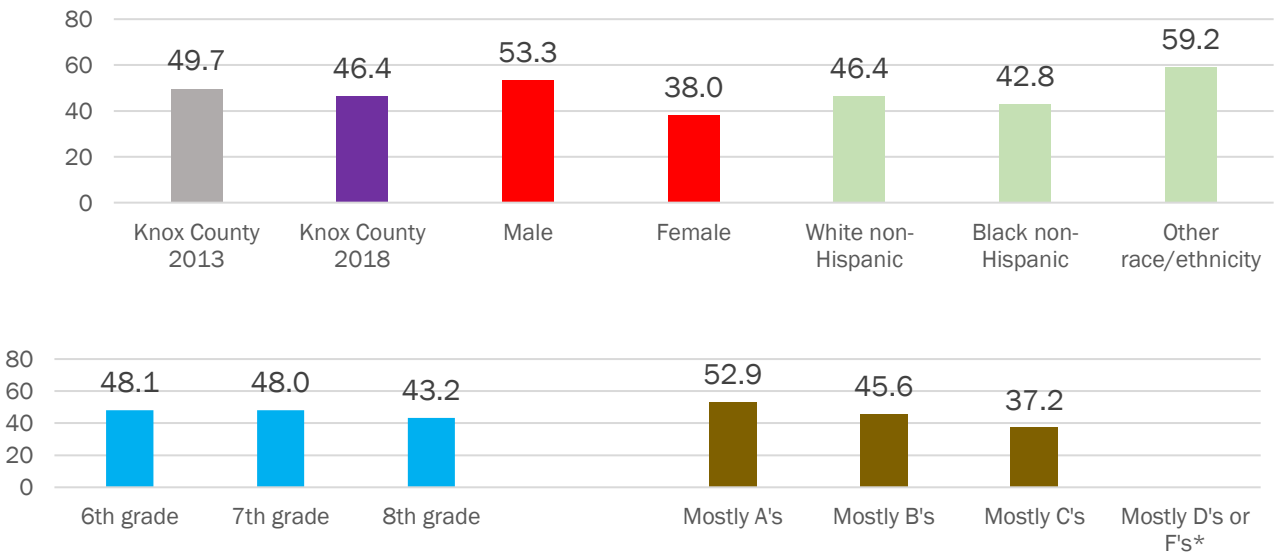
**Table 43. Percentage of middle school students who reported they ate breakfast on all seven days during the past week**

(Total n = 1,265)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	600	5,725	46.4	(43.5-49.3)
Male	389	3,628	53.3	(49.3-57.2)
Female	211	2,103	38.0	(34.0-42.2)
<b>Race-ethnicity</b>				
White non-Hispanic	435	4,502	46.4	(43.1-49.7)
Black non-Hispanic	79	867	42.8	(35.6-50.3)
Other race-ethnicity	86	356	59.2	(51.0-67.0)
<b>Grade in school</b>				
6th grade	170	1,964	48.1	(42.8-53.5)
7th grade	272	1,957	48.0	(43.7-52.2)
8th grade	158	1,805	43.2	(38.0-48.5)
<b>Estimated grades in past year</b>				
Mostly A's	235	2,285	52.9	(48.0-57.8)
Mostly B's	197	1,870	45.6	(40.7-50.6)
Mostly C's	65	630	37.2	(30.0-45.1)
Mostly D's or F's	19	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 40. Percentage of middle school students who reported they ate breakfast on all seven days during the past week, 2013, 2018; 2018 by gender, race-ethnicity, grade in school, and estimated school grades during the past year**



\*Fewer than 20 responses, too unreliable to report.

# Section 6: **Physical Activity**

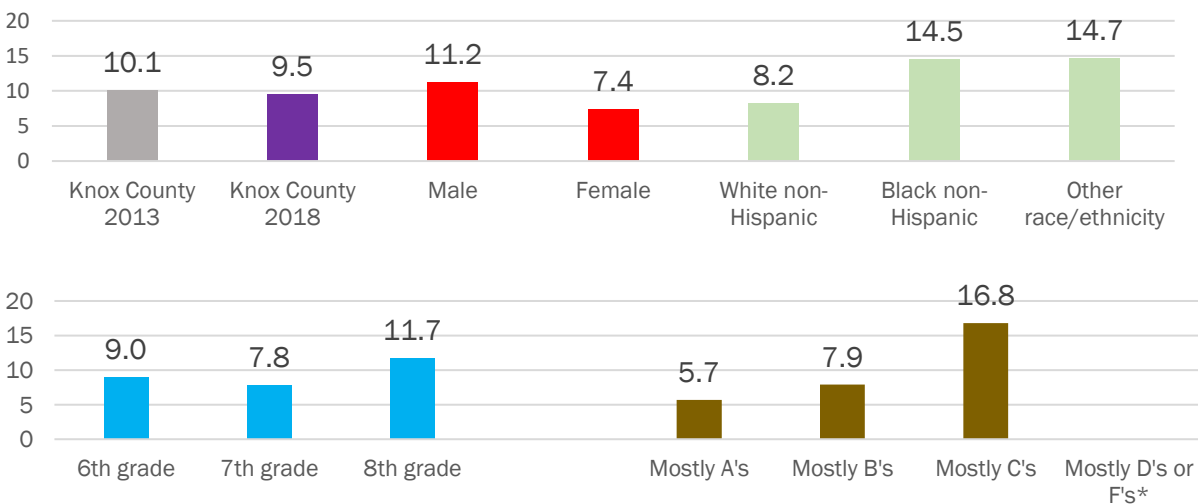
**Table 44. Percentage of middle school students who reported they did not participate in physical activity that increased their heart rate and made them breathe hard (for some of the time) for at least 60 minutes during the past seven days**

(Total n = 1,245)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	118	1,158	9.5	(7.9-11.4)
Male	78	756	11.2	(8.9-14.0)
Female	40	402	7.4	(5.5-10.0)
<b>Race-ethnicity</b>				
White non-Hispanic	73	780	8.2	(6.5-10.2)
Black non-Hispanic	25	291	14.5	(9.9-20.8)
Other race-ethnicity	20	87	14.7	(9.7-21.8)
<b>Grade in school</b>				
6th grade	33	355	9.0	(6.4-12.6)
7th grade	43	314	7.8	(5.8-10.4)
8th grade	42	489	11.7	(8.7-15.6)
<b>Estimated grades in past year</b>				
Mostly A's	26	244	5.7	(3.8-8.5)
Mostly B's	32	324	7.9	(5.6-11.1)
Mostly C's	27	287	16.8	(11.6-23.6)
Mostly D's or F's	11	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 41. Percentage of middle school students who reported they did not participate in physical activity that increased their heart rate and made them breathe hard (for some of the time) for at least 60 minutes during the past seven days, 2013, 2018; 2018 by gender, race-ethnicity, grade in school, and estimated school grades during the past year**



\*Fewer than 20 responses, too unreliable to report.

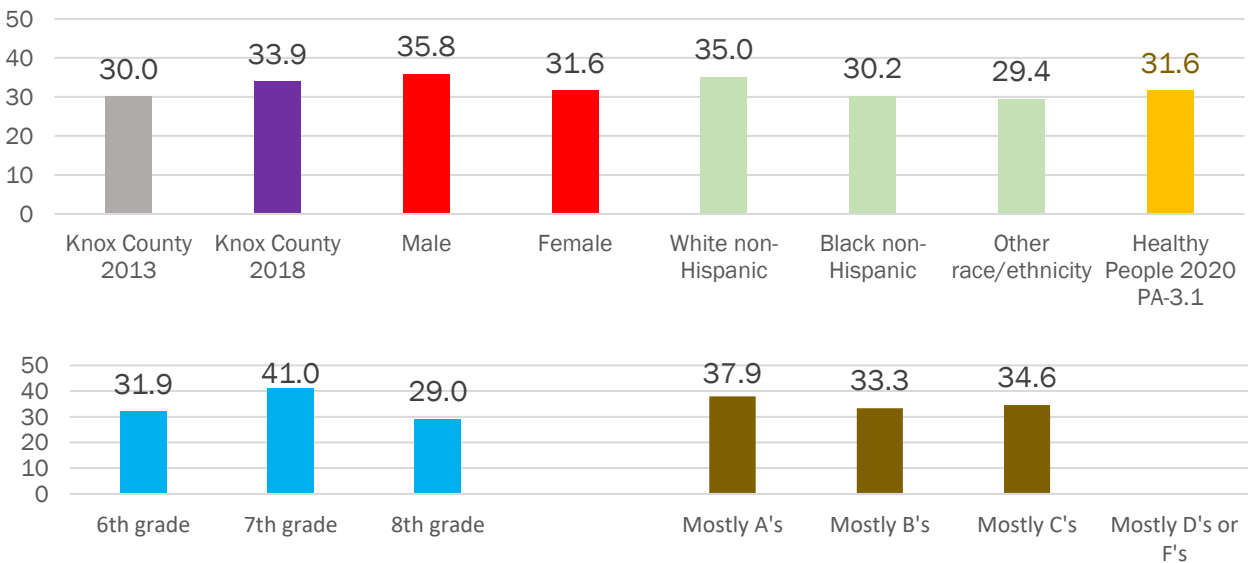
**Table 45. Percentage of middle school students who reported they participated in a physical activity for at least sixty minutes every day during the past seven days**

(Total n = 1,245)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	430	4,120	33.9	(31.2-36.7)
Male	255	2,411	35.8	(32.1-39.7)
Female	175	1,798	31.6	(27.8-35.7)
<b>Race-ethnicity</b>				
White non-Hispanic	331	3,341	35.0	(31.9-38.2)
Black non-Hispanic	56	605	30.2	(23.8-37.5)
Other race-ethnicity	43	173	29.4	(22.5-37.5)
<b>Grade in school</b>				
6th grade	104	1,259	31.9	(27.0-37.3)
7th grade	223	1,652	41.0	(36.8-45.2)
8th grade	103	1,209	29.0	(24.4-34.1)
<b>Estimated grades in past year</b>				
Mostly A's	163	1,613	37.9	(33.3-42.8)
Mostly B's	145	1,364	33.3	(28.8-38.1)
Mostly C's	58	592	34.6	(27.5-42.5)
Mostly D's or F's	11	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 42. Percentage of middle school students who reported they participated in a physical activity for at least sixty minutes every day during the past seven days, 2013, 2018; 2018 by gender, and race-ethnicity;**



\*Fewer than 20 responses, too unreliable to report.

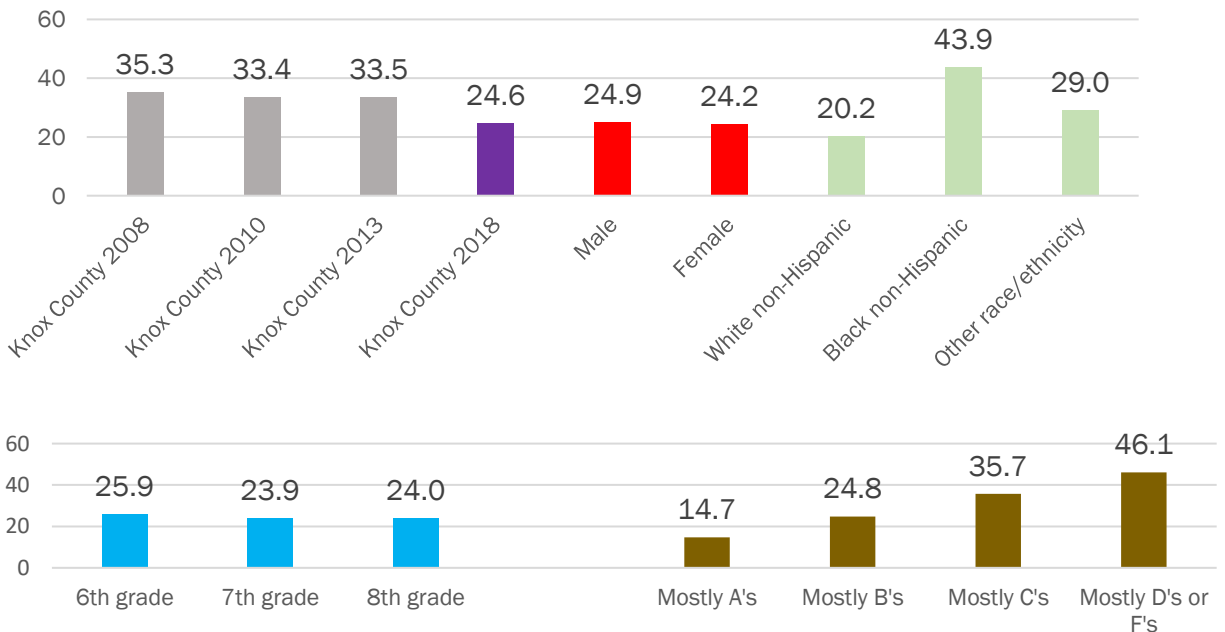


**Table 46. Percentage of middle school students who reported they watch three or more hours of television on an average school day**

(Total n = 1,246)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	306	2,992	24.6	(22.1-27.2)
Male	175	1,682	24.9	(21.6-28.5)
Female	131	1,310	24.2	(20.7-28.1)
<b>Race-ethnicity</b>				
White non-Hispanic	184	1,934	20.2	(17.7-23.0)
Black non-Hispanic	82	891	43.9	(36.7-51.4)
Other race-ethnicity	40	168	29.0	(22.0-37.2)
<b>Grade in school</b>				
6th grade	90	1,044	25.9	(21.4-30.9)
7th grade	129	961	23.9	(20.4-27.8)
8th grade	87	987	24.0	(19.7-28.8)
<b>Estimated grades in past year</b>				
Mostly A's	65	627	14.7	(11.5-18.5)
Mostly B's	104	1,013	24.8	(20.7-29.4)
Mostly C's	59	605	35.7	(28.5-43.6)
Mostly D's or F's	21	219	46.1	(32.0-60.8)

**Figure 43. Percentage of middle school students who reported they watch three or more hours of television on an average school day, 2008, 2010, 2013, 2018. 2018 by gender, race-ethnicity, grade in school, and estimated school grades during the past year**

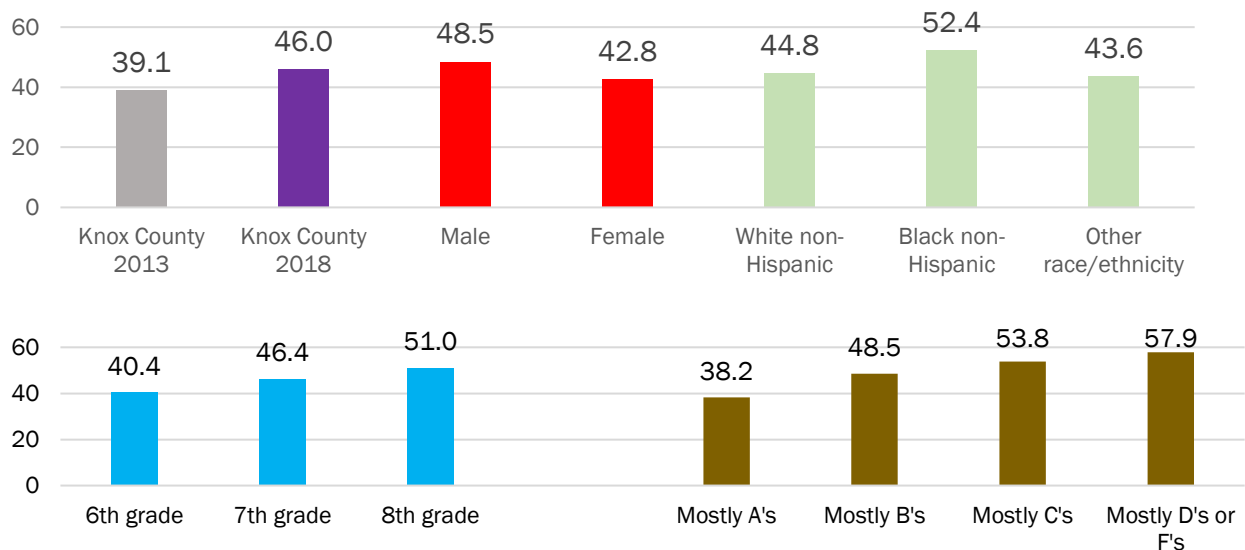


**Table 47. Percentage of middle school students who reported they play video or computer games or use a computer for something other than school work for three or more hours on average school days**

(Total n = 1,248)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	571	5,599	46.0	(43.1-48.9)
Male	336	3,278	48.5	(44.6-52.5)
Female	235	2,321	42.8	(38.7-47.1)
<b>Race-ethnicity</b>				
White non-Hispanic	417	4,292	44.8	(41.6-48.1)
Black non-Hispanic	93	1,049	52.4	(44.9-59.8)
Other race-ethnicity	61	258	43.6	(35.6-51.9)
<b>Grade in school</b>				
6th grade	138	1,616	40.4	(35.2-45.9)
7th grade	251	1,872	46.4	(42.2-50.7)
8th grade	182	2,111	51.0	(45.6-56.3)
<b>Estimated grades in past year</b>				
Mostly A's	165	1,629	38.2	(33.5-43.1)
Mostly B's	210	2,004	48.5	(43.5-53.4)
Mostly C's	88	909	53.8	(45.9-61.5)
Mostly D's or F's	28	284	57.9	(43.3-71.2)

**Figure 44. Percentage of middle school students who reported they play video or computer games or use a computer for something other than school work for three or more hours on average school days, 2013, 2018; 2018 by gender, race-ethnicity, grade in school and estimated grades in school during the past year**

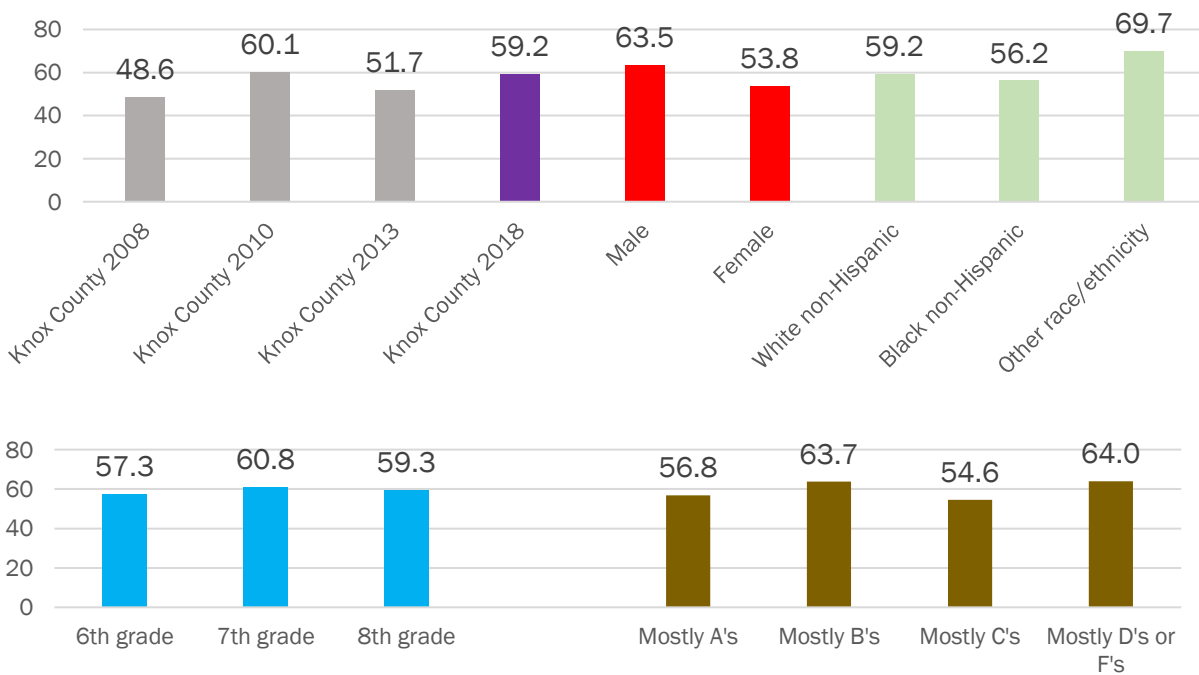


**Table 48. Percentage of middle school students who reported they attended PE on one or more days during the past week**

(Total n = 1,224)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	736	7,088	59.2	(56.2-62.0)
Male	450	4,213	63.5	(59.6-67.3)
Female	286	286	53.8	(49.5-58.0)
<b>Race-ethnicity</b>				
White non-Hispanic	542	5,602	59.2	(55.8-62.4)
Black non-Hispanic	98	1,093	56.2	(48.5-63.6)
Other race-ethnicity	96	393	69.7	(61.4-77.0)
<b>Grade in school</b>				
6th grade	191	2,253	57.3	(51.8-62.6)
7th grade	333	2,407	60.8	(56.5-65.0)
8th grade	212	2,429	59.3	(54.0-64.5)
<b>Estimated grades in past year</b>				
Mostly A's	245	6,209	56.8	(51.8-61.6)
Mostly B's	273	2,375	63.7	(58.8-68.4)
Mostly C's	92	911	54.6	(46.6-62.4)
Mostly D's or F's	31	299	64.0	(48.8-76.9)

**Figure 45. Percentage of middle school students who reported they attended PE on one or more days during the past week, 2008, 2010, 2013, 2018; 2018 by gender, race-ethnicity, grade in school and estimated grades in school during the past year**



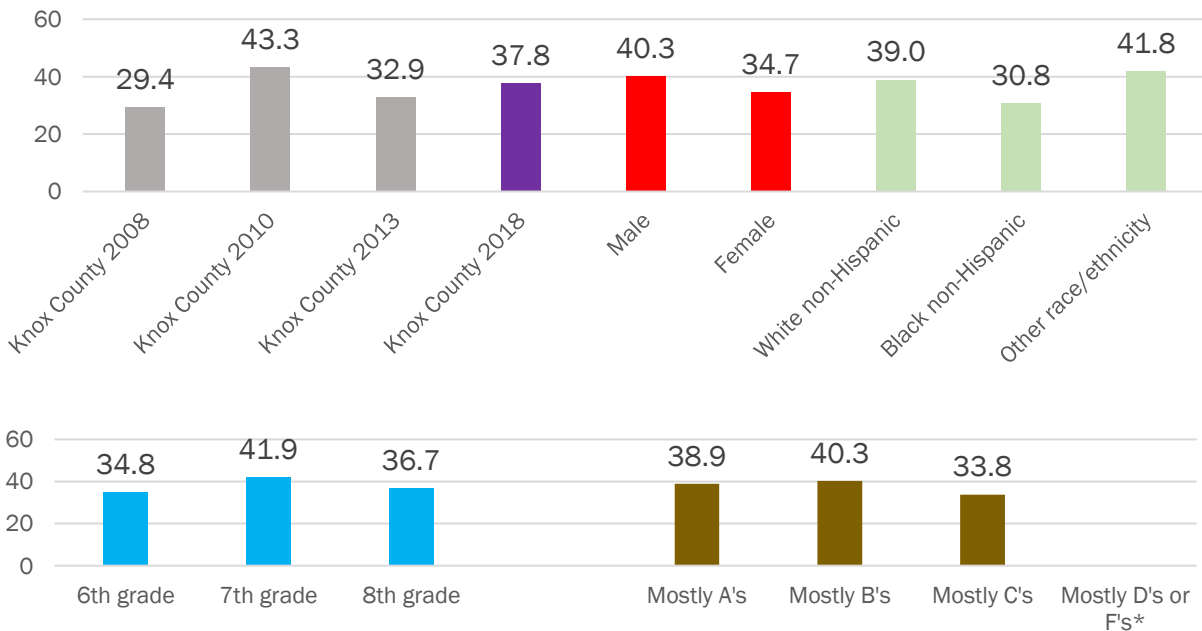
**Table 49. Percentage of middle school students who reported they attended a PE class daily (five times) in the past seven days**

(Total n = 1,224)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	475	4,528	37.8	(35.0-40.7)
Male	289	2,675	40.3	(36.5-44.3)
Female	186	1,854	34.7	(30.7-38.9)
<b>Race-ethnicity</b>				
White non-Hispanic	362	3,694	39.0	(35.8-42.3)
Black non-Hispanic	57	599	30.8	(24.3-38.1)
Other race-ethnicity	56	235	41.8	(33.7-50.4)
<b>Grade in school</b>				
6th grade	117	1,370	34.8	(29.8-40.2)
7th grade	224	1,657	41.9	(37.7-46.2)
8th grade	134	1,502	36.7	(31.7-42.0)
<b>Estimated grades in past year</b>				
Mostly A's	167	1,626	38.9	(34.2-43.8)
Mostly B's	174	1,659	40.3	(35.5-45.3)
Mostly C's	59	563	33.8	(26.7-41.6)
Mostly D's or F's	18	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 46. Percentage of middle school students who reported they attended a PE class daily (five times) in the past seven days, 2008, 2010, 2013, 2018; 2018 by gender, race-ethnicity, grade in school, and estimated school grades during the past year**



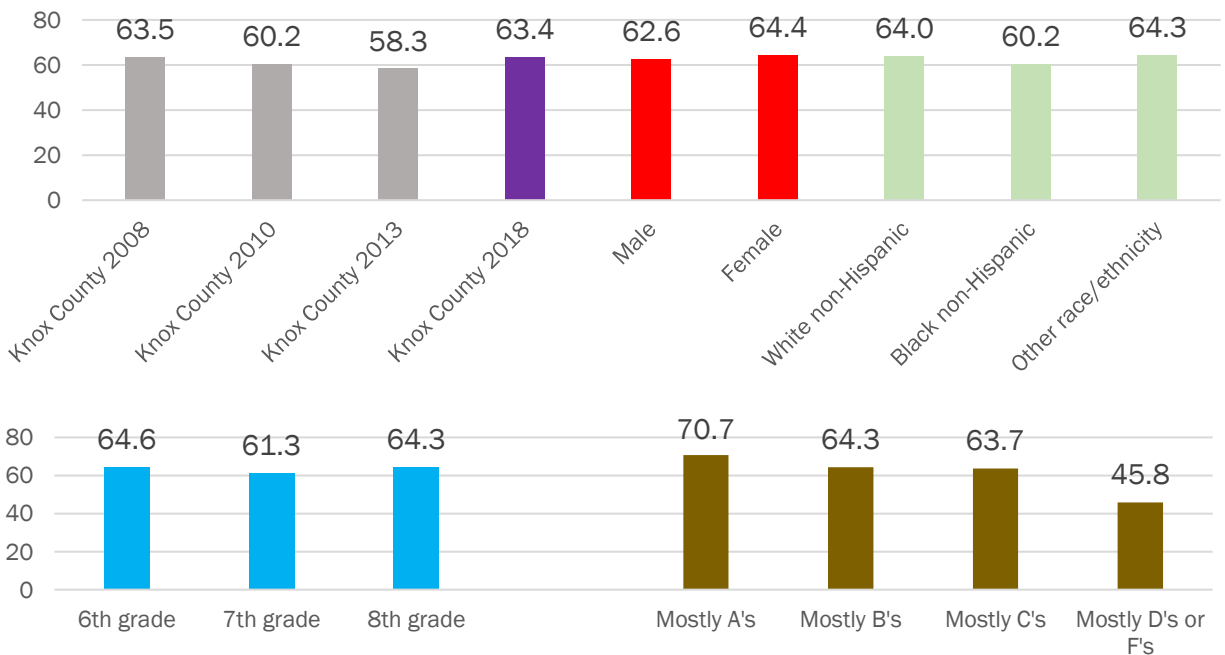
\*Fewer than 20 responses, too unreliable to report.

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

(Total n = 1,228)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	777	7,612	63.4	(60.5-66.2)
Male	434	4,158	62.6	(58.7-66.4)
Female	343	3,455	64.4	(60.1-68.4)
<b>Race-ethnicity</b>				
White non-Hispanic	584	6,073	64.0	(60.8-67.1)
Black non-Hispanic	104	1,174	60.2	(52.5-67.4)
Other race-ethnicity	89	365	64.3	(55.9-72.0)
<b>Grade in school</b>				
6th grade	215	2,561	64.6	(59.2-69.6)
7th grade	333	2,439	61.3	(57.1-65.5)
8th grade	229	2,617	64.3	(58.9-69.3)
<b>Estimated grades in past year</b>				
Mostly A's	301	3,036	70.7	(66.0-74.9)
Mostly B's	278	2,653	64.3	(59.3-68.9)
Mostly C's	105	1,073	63.7	(55.9-70.9)
Mostly D's or F's	23	217	45.8	(31.7-60.6)

**Figure 47. Percentage of middle school students who reported they played on one or more sports teams during the past 12 months, 2008, 2010, 2013, 2018; 2018 by gender, race-ethnicity, grade in school, and estimated school grades during the past year**



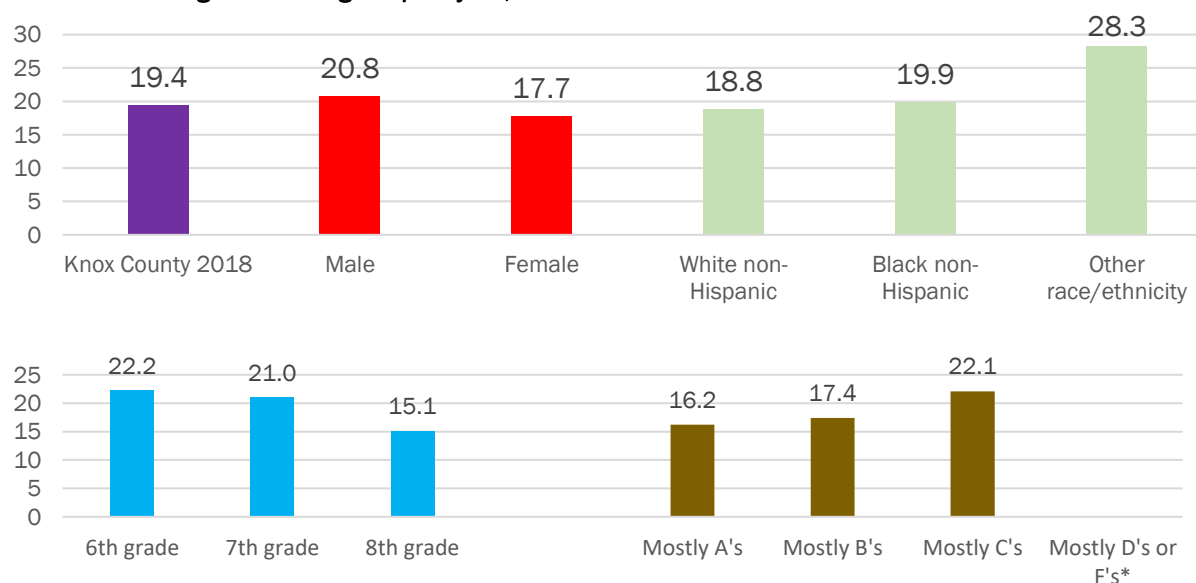
**Table 51. Percentage of middle school students who reported they have had one or more concussions from playing a sport or being physically active<sup>6</sup>**

(Total n = 1,231)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	251	2,339	19.4	(17.2-21.8)
Male	156	1,384	20.8	(17.8-24.2)
Female	95	955	17.7	(14.7-21.3)
<b>Race-ethnicity</b>				
White non-Hispanic	175	1,789	18.8	(16.4-21.5)
Black non-Hispanic	36	389	19.9	(14.6-26.6)
Other race-ethnicity	40	161	28.3	(21.4-36.5)
<b>Grade in school</b>				
6th grade	73	888	22.2	(18.0-27.1)
7th grade	119	835	21.0	(17.7-24.7)
8th grade	59	617	15.1	(11.7-19.3)
<b>Estimated grades in past year</b>				
Mostly A's	73	696	16.2	(12.9-20.1)
Mostly B's	77	719	17.4	(13.9-21.5)
Mostly C's	40	378	22.1	(16.3-29.1)
Mostly D's or F's	15	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 48. Percentage of middle school students who reported they have had one or more concussions from playing a sport or being physically active by gender, race-ethnicity, grade in school, and estimated school grades during the past year, 2018**



\*Fewer than 20 responses, too unreliable to report.

<sup>6</sup> Note: This is the first time this variable was asked in the KC MS-YRBS

# Section 7:

## **Additional Health Topics**

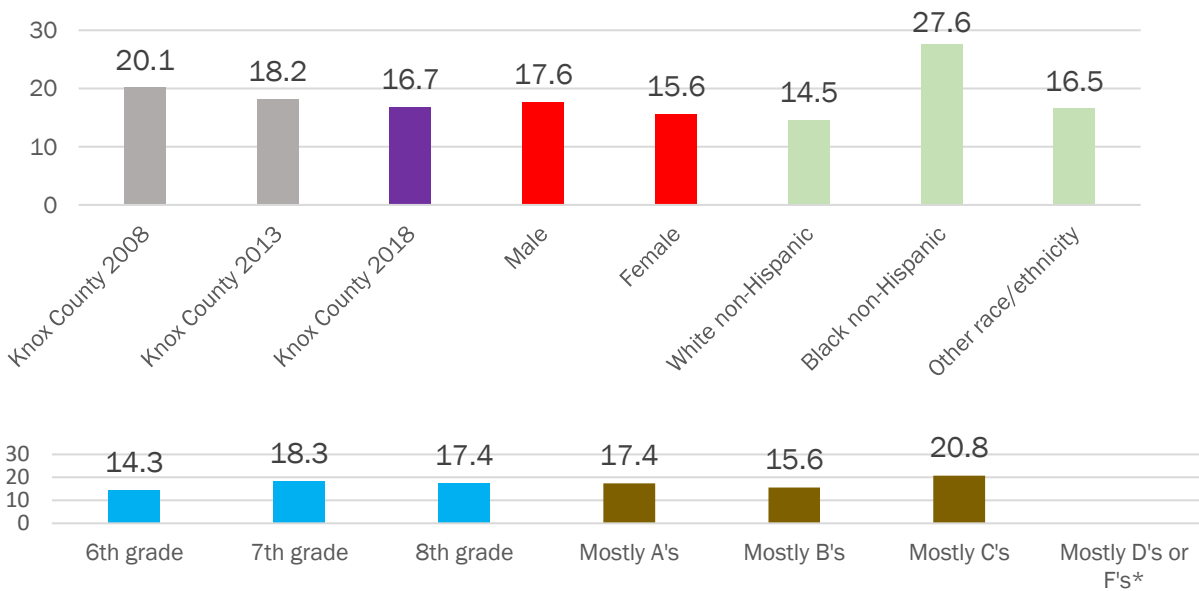
**Table 52. Percentage of middle school students who reported they were told by a doctor or a nurse that they have asthma during their lifetime**

(Total n = 1,206)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	202	1,973	16.7	(14.6-19.0)
Male	118	1,145	17.6	(14.7-20.9)
Female	84	828	15.6	(12.7-18.9)
<b>Race-ethnicity</b>				
White non-Hispanic	133	1,354	14.5	(12.3-17.0)
Black non-Hispanic	47	529	27.6	(21.3-35.0)
Other race-ethnicity	22	91	16.5	(11.0-23.9)
<b>Grade in school</b>				
6th grade	47	562	14.3	(10.9-18.6)
7th grade	95	708	18.3	(15.1-21.9)
8th grade	60	703	17.4	(13.6-21.9)
<b>Estimated grades in past year</b>				
Mostly A's	73	744	17.4	(14.0-21.6)
Mostly B's	68	639	15.6	(12.3-19.5)
Mostly C's	35	347	20.8	(15.1-27.9)
Mostly D's or F's	8	*	*	*

\*Fewer than 20 responses, too unreliable to report.

**Figure 49. Percentage of middle school students who reported they were ever told by a doctor or a nurse that they have asthma, 2008, 2013, 2018; 2018 by gender, race-ethnicity, grade in school, and estimated school grades during the past year<sup>7</sup>**



\*Fewer than 20 responses, too unreliable to report.

<sup>7</sup> This variable was not asked in the 2010 MS-YRBS.

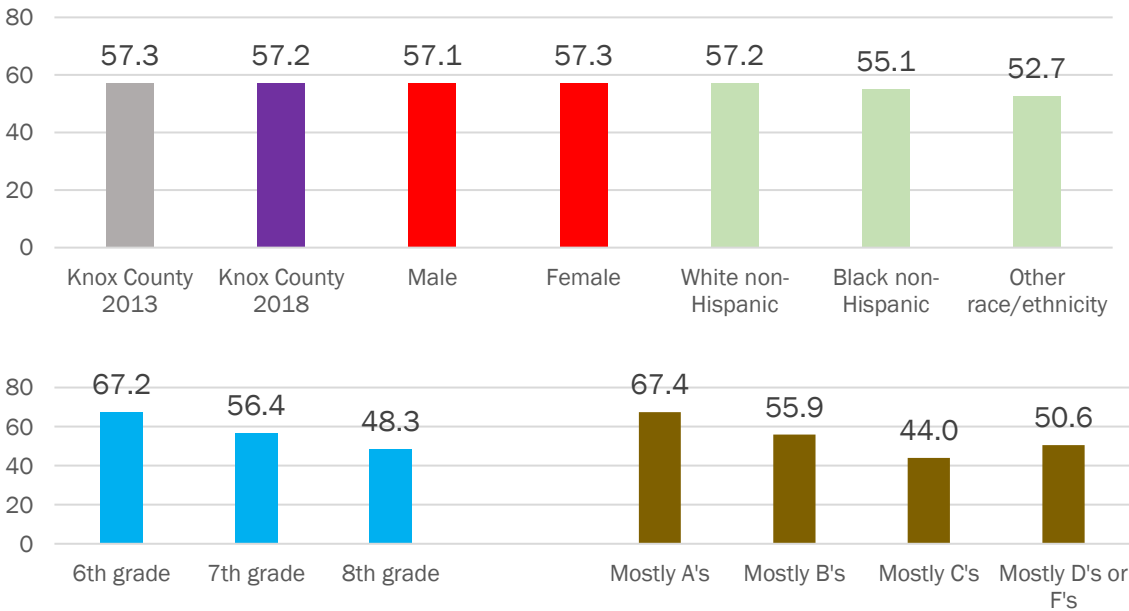


**Table 53. Percentage of middle school students who reported they sleep eight or more hours on average school nights**

(Total n = 1,220)

	Yes Response	Weighted Response	Percentage	Confidence Intervals
<b>Total</b>	693	6,835	57.2	(54.3-60.0)
Male	392	3,772	57.1	(53.1-61.0)
Female	301	3,063	57.3	(53.0-61.5)
<b>Race-ethnicity</b>				
White non-Hispanic	526	5,459	57.2	(54.6-61.1)
Black non-Hispanic	97	1,084	55.1	(47.4-62.5)
Other race-ethnicity	70	293	52.7	(44.1-61.1)
<b>Grade in school</b>				
6th grade	223	2,647	67.2	(61.9-72.1)
7th grade	298	2,218	56.4	(52.0-60.6)
8th grade	172	1,970	48.3	(43.0-53.7)
<b>Estimated grades in past year</b>				
Mostly A's	292	2,908	67.4	(55.3-61.4)
Mostly B's	235	2,307	55.9	(62.7-71.8)
Mostly C's	77	748	44.0	(36.4-51.9)
Mostly D's or F's	24	241	50.6	(36.1-64.7)

**Figure 50. Percentage of middle school students who reported they sleep eight or more hours on average school nights, 2013, 2018; 2018 by gender, race-ethnicity, grade in school, and estimated school grades during the past year**



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