

2019 Knox County High 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
TENNESSEE
HEALTH DEPARTMENT

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EXECUTIVE SUMMARY

This report presents the results of the 2019 Knox County Youth Risk Behavior Survey. The Youth Risk Behavior Survey (YRBS) is designed to monitor risk-behaviors among high school-aged youth and is normally conducted at the national and state level. Knox County, Tennessee, is one of a small number of counties in the nation that conducts its own YRBS on a regular basis. The results from the Knox County YRBS are used in planning efforts to improve the health of county adolescents.

The 2019 Knox County YRBS collects information on the following behaviors among high school students:

- unintentional injuries, violence, depression, and self-harm and violence
- tobacco, vapor products, alcohol, and drug use
- weight control, diet, and physical activity
- additional health-related topics such as dental care and HIV tests

When possible, results of this survey were compared with the 2019 national and state YRBS results. In addition, the results were compared to Healthy People 2020 objectives¹. Out of 13 Healthy People 2020 objectives targeting high school-aged teenagers, six objectives had been met and seven objectives had yet to be met in 2019.

Previous Knox County Youth Risk Behavior Surveys were completed in 2005, 2007, 2009, 2011, 2013, and 2017.² All of the previous surveys collected data from all Knox County Schools high schools. In 2019, eight of the fifteen Knox County Schools high schools were included in the sample. Because of this change in the sample design, comparing the 2019 results with the previous years should be undertaken with extreme caution. Results from the previous Knox County YRBS are presented in the figures in the results tables to provide historical context but further interpretations are not presented in this report due to this change in the sampling design.

¹ <https://www.healthypeople.gov/2020/topics-objectives>

² A 2015 Knox County YRBS was attempted but failed due to low response.

METHODOLOGY

The sample design for the 2019 Knox County Youth Risk Behavior Survey (YRBS) mirrors the sampling methods used at the state and national level.³ Four to seven randomly selected 2nd period classes were sampled from eight out of 15 high schools in Knox County Schools (KCS) resulting in 44 classes in the sample with a potential *n* of 1,061 students. The paper-based surveys were administered on November 25 and November 26, 2019. Surveys were distributed in 2nd period classes on Monday November 25, 2019 from Bearden High, Farragut High, Austin-East High, and Fulton High, and on Tuesday November 26, 2019 from West High, South-Doyle High, Halls High and Powell High.

Prior to the survey, passive permission forms were sent home with the students in the sampled classrooms in the eight high schools allowing parents to opt their children out of the survey. In addition, the students could opt out of the survey themselves on the day the survey was administered. The paper-based surveys were administered by KCS classroom instructors after receiving just-in-time training on YRBS protocols.

The data were weighted based on 2018-2019 enrollment figures for: gender (male, female), race/ethnicity (non-Hispanic white, non-Hispanic African American, other races/ethnicities [including Hispanic of any race]) and school grades (9th to 12th grades).

The questions were drawn from the national 2019 Youth Risk Behavior Survey. A few questions on substance use were modified to capture behaviors during the past 30 days instead of lifetime use. The data were analyzed using Centers for Disease Control and Prevention (CDC)-provided protocols when applicable and confidence intervals ($p < .05$) were generated to allow for convenient group comparisons (for example, comparing the male with female responses on a given survey variable)⁴.

Previous Knox County YRBS efforts relied on classes drawn from all existing KCS high schools and usually resulted in samples of 1,500 or greater. In contrast, the 2019 sample was limited to eight of possible fifteen Knox County Schools high schools. As previously mentioned, given this change in the sampling frame, all comparisons of the 2019 Knox County YRBS with previous Knox County YRBS results should be undertaken with a great deal of caution.

To ensure reliability, yes-responses with a response of fewer than 20 were marked with an asterisk and not reported in the results tables. In addition, relative standard error (RSE) estimates were calculated on all data points to further check for reliability.⁵ Results with RSE estimates of 30 and above were also marked with an asterisk and not reported.⁶ RSE estimates for each response were not reported in the results tables in this report due to space limitations but are available upon request.

³ *A guide to conducting your own Youth Risk Behavior Survey* (2014, June). Centers for Disease Control and Prevention. Available at: [A Guide to Conducting Your Own Youth Risk Behavior Survey \(cdc.gov\)](https://www.cdc.gov/yrbbs/guide/)

⁴ *2019 YRBS Data user's guide* (2020, August). Available at [2019 National YRBS Data Users Guide \(cdc.gov\)](https://www.cdc.gov/yrbbs/data/)

⁵ Sokal, R. & Rohlf, James (1981). *Biometry: The principles and practice of statistics in biological research* (2nd ed.). W. H. Freeman, San Francisco.

⁶ Klein, R., Proctor, W., Boundrealut, M., & Turczyn, K. (2002, July). *Healthy People 2010 criteria for data suppression*. Healthy People 202010, 24, Department of Health and Human Services.

SAMPLE CHARACTERISTICS

A total of 655 KCS high school students responded to the survey. Given a possible sample size of 1,061 students in the 44 selected classes, this resulted in a completion rate of 62.2%. The demographic profile for the 2019 sample was as follows:

Total	<i>n</i> = 655
Male	<i>n</i> = 327 (50.0%)
Female	<i>n</i> = 328 (50.0%)
White (non-Hispanic)	<i>n</i> = 442 (67.4%)
African American (non-Hispanic)	<i>n</i> = 87 (13.3%)
Other race/ethnicity (including Hispanic [any race])	<i>n</i> = 126 (19.2%)
9 th grade	<i>n</i> = 190 (29.0%)
10 th grade	<i>n</i> = 167 (25.5%)
11 th grade	<i>n</i> = 188 (28.7%)
12 th grade	<i>n</i> = 110 (16.8%)

KEY RESULTS

This section highlights the results from the analysis of the 2019 Knox County YRBS. The complete survey results may be found in the tables at the end of this report. Comparisons with Healthy People 2020 objectives are made whenever possible.⁷ Healthy People 2020 is an extensive document put forth by the U.S. Department of Health and Human Services that sets evidence-based targets for communities to reach by the year 2020 to ensure their citizens remain as healthy as possible⁸.

Section 1: Unintentional Injuries, Violence, Depression, and Self-harm

Unintentional Injury

- Seven percent of high school students (7.0%) reported they “rarely” or “never” wear a seatbelt when riding in a car driven by someone else (Table 1). This met Healthy People 2020 Objective IVP-15 which calls for a target of 92% safety belt usage (Figure 1).
- Seventeen percent of high school students (17.1%) rode in a vehicle with a driver, during the previous 30 days, who had been drinking alcohol (Table 2). This met Healthy People 2020 Objective SA-1 which called for no more than 25.5% of adolescents engaged in this behavior (Figure 2).
- During the past 30 days, more than four percent of high school students (4.5%) drove a vehicle when they had been drinking alcohol (Table 3)
- More than one-third of high school students (38.5%) used the internet or apps on their cellphones while driving during the past 30 days (Table 4).

⁷ U.S. Department of Health and Human Services. (2010). *Healthy People 2020*. Retrieved from www.healthypeople.gov

⁸ HealthyPeople 2030 is now available at www.healthypeople.gov but this data was collected under the HealthyPeople 2020 time frame.

- More than one out of four high school students (28.5%) texted or emailed while driving during the past 30 days (Table 5).

Violence

- More than eighteen percent of high school students (18.4%) carried a weapon (gun, knife, or club) during the past 30 days (Table 6).
- Fifteen percent of high school students (15.2%) did not go to school for one or more days during the past 30 days because they felt too unsafe at school or going to or from school (Table 8). Knox County Schools high school students (15.2%) were more likely to report this behavior compared to high school students in the nation (8.7%) (Figure 8).
- More than one out of four high school students (27.8%) reported being in a physical fight during the past 12 months (Table 10). This met Healthy People 2020 Objective IVP-34 which calls for no more than 28.4% of 9th to 12th grade students engaged in physical fights during the past 12 months (Figure 10).
- Slightly more than one out of five high school students (22.6%) reported they had been bullied on school property during the past 12 months (Table 13). This did not meet Healthy People 2020 objective IVP-35 which calls for no more than 17.9% of students in grades 9 to 12 reporting they were bullied in school (Figure 13).
- During the past 12 months, almost nineteen percent of high school students (18.7%) were bullied electronically through texts, Instagram, Facebook, or other social media (Table 14). Female students (25.4%) were bullied electronically more frequently compared to male students (12.2%).

Depression

- Approximately forty percent of high school students (39.7%) reported they felt so sad or hopeless that they stopped doing usual activities for two or more weeks in a row during the past 12 months (Table 15). This did not meet Healthy People 2020 Objective MHMD-4.1 which calls for no more than 7.5% of adolescents reporting a major depressive episode (Figure 15). Female students (50.9%) reported this behavior more frequently compared to male students (29.4%).

Self-harm

- Eighteen percent of high school students (18.0%) reported they attempted suicide during the past 12 months (Table 18). This did not meet Healthy People 2020 Objective MHMD-2 which calls for no more than 1.7% of suicide attempts among adolescents (Figure 18). The Knox County YRBS estimate for this behavior (18.0%) was greater than the estimate for high school students in both Tennessee (10.6%) and the nation (8.9%) in 2019 (Figure 18).

Section 2: Tobacco, Vapor Products, Alcohol and Drug Use

Tobacco and electronic vapor products

- One out of ten high school students (10.5%) reported they smoked cigarettes on one or more days during the past 30 days (current use) (Table 21). This met Healthy People 2020 Objective TU-2.2 which calls for the reduction of cigarette use among adolescents to no more than 16.0% (Figure 21).
- Almost one-half of all high school students (49.6%) have used an electronic vapor product at least once (Table 23). Non-Hispanic white students (53.8%) were more likely to report this behavior compared to non-Hispanic Black students (35.7%).
- One out of four high school students (28.7%) used an electronic vapor product within the past 30 days (current use) (Table 24).

- Almost fifteen percent of high school students reported electronic vapor product use at school during the past 30 days (14.8%) (Table 25).
- Six percent of high school students (6.2%) used smokeless tobacco products (chewing tobacco, dip, snus, or dissolvable tobacco products) with the past 30 days (Table 28). This met Healthy People 2020 Objective TU-2.3 which calls for no more than 6.9% of adolescents currently using these products (Figure 28).
- More than eight percent of high school students (8.5%) reported cigars, cigarillos, or little cigar use in the past 30 days, Knox County Schools students did not meet Healthy People 2020 Objective TU-2.4 which calls for the reduction of cigar use by adolescents to no more than 8.0% (Figure 29).
- One out of three high school students (34.6%) used some form of tobacco product and/or an electronic vapor product during the past 30 days (Table 31).

Alcohol

- Thirty percent of high school students (30.5%) drank alcohol (other than a few sips for religious purposes) on one or more days during the past 30 days (current use) (Table 32). The 2019 Knox County estimate for current alcohol use among high school students (30.5%) was greater than the estimate for Tennessee in 2019 (21.6%) (Figure 32).
- The CDC defined binge drinking as four or more alcohol drinks in a row on an occasion for females and five or more alcohol drinks in a row on an occasion for males.⁹ One out of five high school students (20.1%) reported binge drinking during the past 30 days (Table 33). This did not meet Healthy People 2020 Objective SA-14.4 which calls for no more than 5.2% of adolescents currently binge drinking (Figure 33). With 20.1% of Knox County high school students reporting binge drinking, this exceeded the percentage of high school students reporting current binge drinking in both Tennessee (8.8%) and the nation (13.7%) in 2019 (Figure 33). In addition, 31.9%, 12th grade students were more likely to report this behavior compared to 9th grade students (12.7%) (Table 33).

Other forms of drug use

- One out of five Knox County Schools high school students (21.2%) used marijuana during the past 30 days (current usage) (Table 36).
- One out of six Knox County Schools high school students (16.0%) had taken a prescription pain medication without a physician's prescription, or differently than how a doctor told them to take it (Table 38).
- More than seven percent of high school students (7.5%) took a prescription pain medication without a physician's prescription during the past 30 days (current use) (Table 39).
- More than four percent (4.5%) of high school students used cocaine or cocaine products, including powder, crack, or freebase forms (Table 40).
- Three percent (3.1%) of high school students used methamphetamines (Table 42).
- One out of four high school students (28.6%) reported they were offered, sold, or given an illegal drug on school property during the past 12 months (Table 46).

⁹ Esser, M., Clayton, H. Demissie, Z., Kanny, D., and Brewer, R. (2017, May 12). Current and binge drinking among high school students - United States, 1991-2015. *Morbidity and Mortality Weekly Report*, 66 (18). 474-478.

Section 3: Weight Control, Diet, and Physical Activity

Weight control

- Thirty percent of high school students (30.1%) described their weight as either “slightly overweight” or “very overweight” (Table 47).
- Almost one-half of high school students (47.6%) are trying to lose weight (Table 48). More female students (57.7%) reported this behavior compared to male students (37.8%).

Diet

- Almost eighteen percent (17.9%) of high school students drank two or more non-diet sodas every day for the past seven days (Table 49).

Physical activity

- Sixteen percent of high school students (16.0%) did not participate in at least 60 minutes of physical activity during the past seven days (Table 52).
- More than twenty percent of high school students (20.4%) participated in physical activity for at least 60 minutes every day for the past seven days (Table 53). This did not meet Healthy People 2020 Objective PA-3.1 which calls for at least 31.6% of adolescents participating in sixty minutes of physical activity every day (Figure 53). More male students (27.9%) reported this behavior compared to female students (12.7%)¹⁰
- Twenty four percent of high school students (24.0%) watched three or more hours of television during average school days (Table 55). This met Healthy People 2020 Objective PA-8.2.3 which calls for no more than 26.1% of 9th to 12 graders reporting this behavior (Figure 55). Students who reported they earn mainly C’s in school (36.3%) reported this behavior more frequently compared to students who reported they earn mainly A’s (20.2%) (Table 55).
- Forty-five percent high school students (45.0%) played video or computer games or used a computer for non-academic reasons for three or more hours on average school days (Table 57).

Section 4: Additional Health Topics

- Almost seventeen percent of high school students (16.8%) had one or more concussions from being active during the past 12 months (Table 58).
- Eighty percent of high school students (80.6%) reported they visited a dentist for a check-up, exam, teeth cleaning, or other dental work in the past 12 months (Tables 60 and 61).

¹⁰ Physical Activity Guidelines for Americans, 2nd Edition recommends that children and adolescents 6 to 17 years do “60 minutes (1 hour) of more of moderate-to-vigorous physical activity daily.”
<https://www.cdc.gov/healthyschools/physicalactivity/guidelines.htm>

Section 1:
Unintentional Injuries, Violence, Depression, and Self-harm

Table 1: Percent of Knox County Schools high school students who reported they 'never' or 'rarely' wear a seatbelt when riding in a car driven by someone else, 2019
 (Total responses = 653)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	50	1,284	7.0	(5.2-9.3)
Male	24	607	6.5	(5.3-9.7)
Female	26	677	7.6	(5.2-11.1)
Race/Ethnicity				
White (non-Hispanic)	24	669	5.1	(3.4-7.6)
Black (non-Hispanic)	12	*	*	*
Hispanic (any race)	12	*	*	*
Other race/ethnicity	2	*	*	*
School Grade				
9th grade	23	532	11.3	(7.5-16.7)
10th grade	14	*	*	*
11th grade	10	*	*	*
12th grade	3	*	*	*
Estimated grades in past year				
Mostly A's	23	557	6.9	(4.5-10.3)
Mostly B's	8	*	*	*
Mostly C's	7	*	*	*
Mostly D's or F's	3	*	*	*

*Too unreliable to report

Figure 1: Percent of high school students who reported they 'never' or 'rarely' wear a seat belt when riding in a car driven by someone else, Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013, 2017, 2019; Healthy People 2020 Objective IVP-15

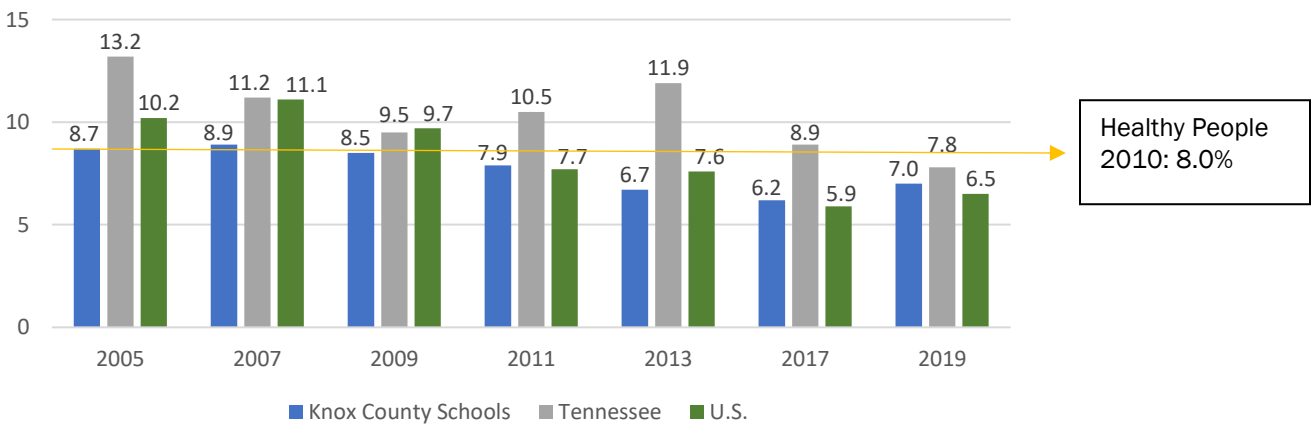


Table 2: Percent of Knox County Schools high school students who reported during the past 30 days, they had ridden with a driver who had been drinking alcohol, 2019

(Total responses = 651)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	113	3,107	17.1	(14.2-20.4)
Male	57	1,575	17.8	(13.9-22.6)
Female	56	1,532	16.4	(12.5-21.3)
Race/Ethnicity				
White (non-Hispanic)	69	2,120	16.2	(12.8-20.3)
Black (non-Hispanic)	18	*	*	*
Hispanic (any race)	18	*	*	*
Other race/ethnicity	8	*	*	*
School Grade				
9th grade	37	900	19.1	(14.0-25.5)
10th grade	33	876	18.6	(13.4-25.2)
11th grade	22	553	12.3	(8.0-18.3)
12th grade	21	780	18.3	(11.6-27.6)
Estimated grades in past year				
Mostly A's	43	1,165	14.4	(10.7-19.3)
Mostly B's	32	915	17.3	(12.1-24.2)
Mostly C's	20	547	22.3	(14.3-33.1)
Mostly D's or F's	4	*	*	*

*Too unreliable to report

Figure 2. Percent of high school students who reported, during the past 30 days, they had ridden with a driver who had been drinking alcohol, Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013, 2017, 2019, Healthy People 2020 Objective SA-1

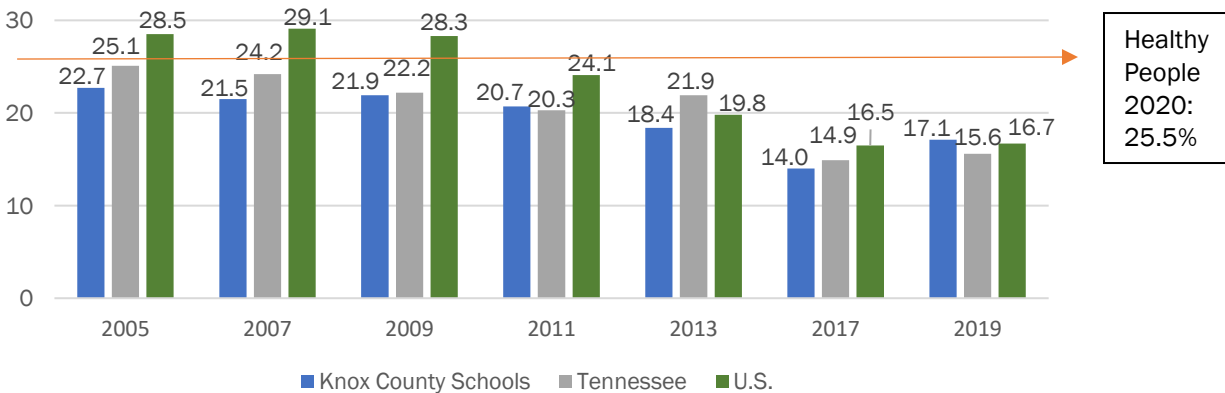
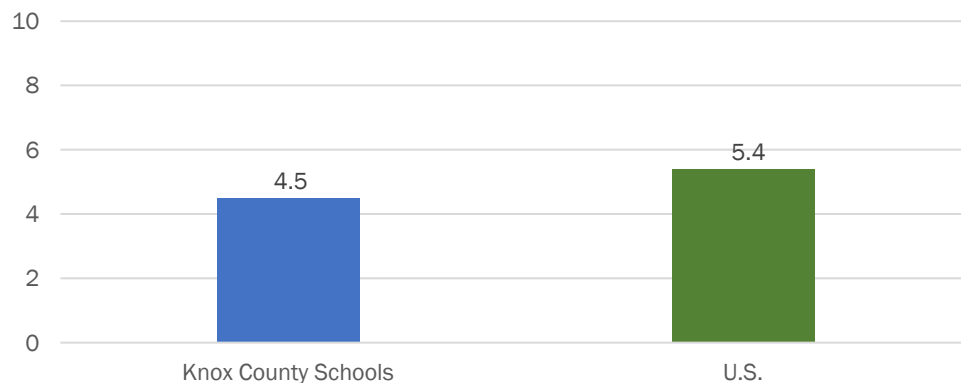


Table 3: Percent of Knox County Schools high school students who reported they had driven a car or other vehicle when they had been drinking alcohol during the past 30 days, 2019
(Total responses = 650)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	26	823	4.5	(3.0-6.8)
Male	13	*	*	*
Female	13	*	*	*
Race/Ethnicity				
White (non-Hispanic)	18	*	*	*
Black (non-Hispanic)	1	*	*	*
Hispanic (any race)	6	*	*	*
Other race/ethnicity	1	*	*	*
School Grade				
9th grade	6	*	*	*
10th grade	7	*	*	*
11th grade	4	*	*	*
12th grade	9	*	*	*
Estimated grades in past year				
Mostly A's	6	*	*	*
Mostly B's	8	*	*	*
Mostly C's	6	*	*	*
Mostly D's or F's	2	*	*	*

*Too unreliable to report

Figure 3. Percent of high school students who reported they had driven a vehicle when they had been drinking alcohol during the past 30 days, Knox County Schools, U.S. 2019



*Data for this variable were not available for Tennessee in 2019

Table 4: Percent of Knox County Schools high school students who reported they used the internet or apps on their cellphones (such as YouTube, Instagram, or Facebook) while driving a car or other vehicle during the past 30 days, 2019

(Total responses = 651)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	238	7,003	38.5	(34.5-42.7)
Male	114	3,092	35.0	(29.7-40.6)
Female	124	3,912	41.8	(35.9-48.0)
Race/Ethnicity				
White (non-Hispanic)	168	5,309	40.8	(35.9-45.9)
Black (non-Hispanic)	32	168	34.7	(24.9-46.0)
Hispanic (any race)	25	476	34.3	(24.0-46.3)
Other race/ethnicity	13	*	*	*
School Grade				
9th grade	39	916	19.5	(14.4-25.9)
10th grade	42	1,145	24.4	(18.4-31.7)
11th grade	93	2,255	49.7	(42.3-57.2)
12th grade	64	2,687	62.8	(52.5-72.1)
Estimated grades in past year				
Mostly A's	115	3,433	42.3	(36.2-48.6)
Mostly B's	64	1,969	37.3	(29.9-45.5)
Mostly C's	35	1,010	42.5	(31.7-54.0)
Mostly D's or F's	7	*	*	*

*Too unreliable to report

Figure 4. Percent of Knox County Schools high school students who reported they used the internet or apps on their cell phones while driving a car during the past 30 days by gender in 2019

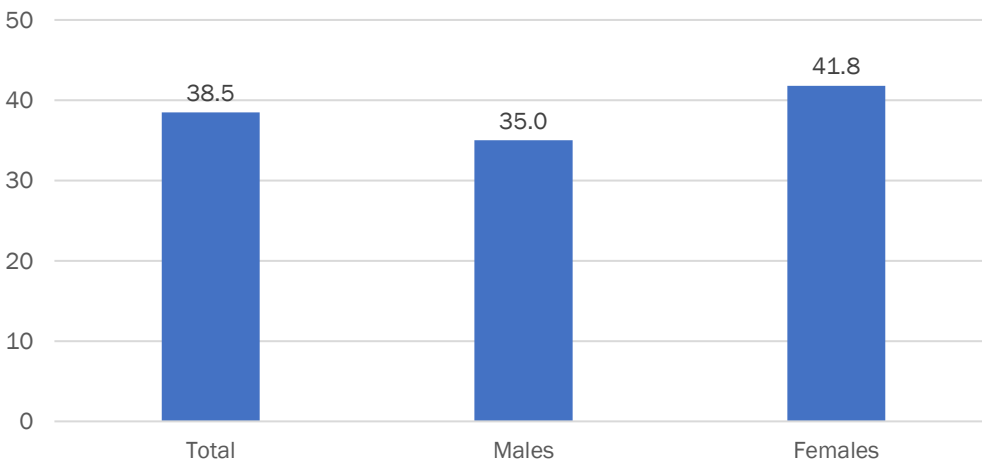


Table 5: Percent of Knox County Schools high school students who reported they text messaged or emailed while driving a car or other vehicle during the past 30 days, 2019
(Total responses = 649)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	177	5,164	28.5	(24.8-32.5)
Male	94	2,434	27.6	(22.9-33.0)
Female	83	2,730	29.3	(23.8-35.4)
Race/Ethnicity				
White (non-Hispanic)	131	4,129	31.9	(27.2-36.9)
Black (non-Hispanic)	18	*	*	*
Hispanic (any race)	16	*	*	*
Other race/ethnicity	12	*	*	*
School Grade				
9th grade	18	*	*	*
10th grade	22	587	12.5	(8.3-18.3)
11th grade	77	1,733	38.4	(31.5-45.8)
12th grade	60	2,407	56.8	(46.2-66.8)
Estimated grades in past year				
Mostly A's	93	2,660	33.0	(27.3-39.3)
Mostly B's	47	1,517	28.9	(21.9-37.0)
Mostly C's	22	608	25.0	(16.5-36.0)
Mostly D's or F's	6	*	*	*

*Too unreliable to report

Figure 5. Percent of high school students who reported they text messaged or emailed while driving a car or other vehicle during the past 30 days, Knox County Schools, 2011; Knox County Schools, Tennessee, U.S., 2013, 2017, 2019

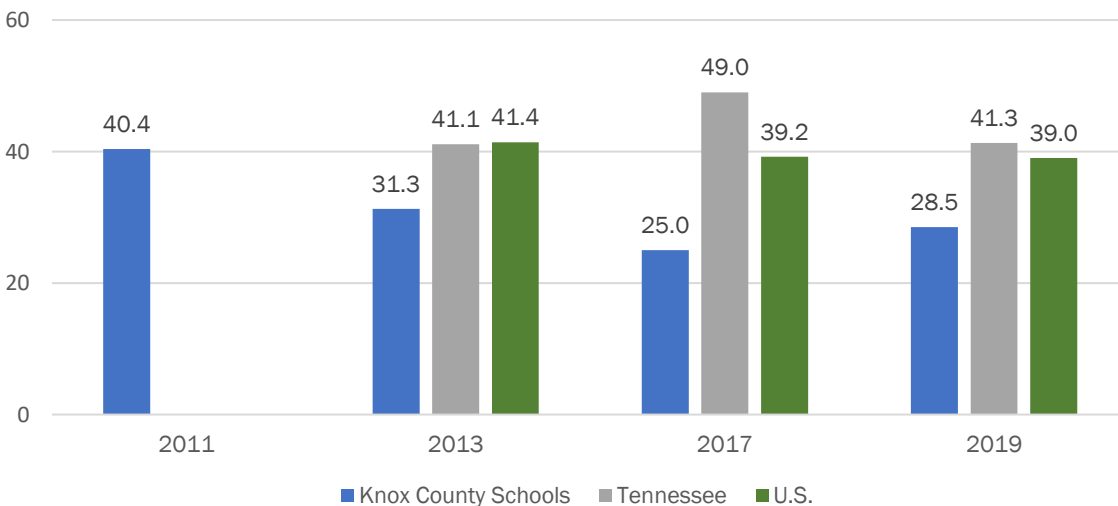


Table 6: Percent of Knox County Schools high school students who reported they carried a weapon (gun, knife, or club) during the past 30 days, 2019
(Total responses = 652)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	118	3,345	18.4	(15.3-21.8)
Male	84	2,424	25.8	(20.9-31.5)
Female	34	921	10.4	(7.4-14.4)
Race/Ethnicity				
White (non-Hispanic)	76	2,414	18.5	(14.8-22.9)
Black (non-Hispanic)	15	*	*	*
Hispanic (any race)	16	*	*	*
Other race/ethnicity	11	*	*	*
School Grade				
9th grade	34	841	17.9	(13.0-24.3)
10th grade	29	766	16.3	(11.4-22.6)
11th grade	33	830	18.3	(13.2-24.8)
12th grade	22	908	21.2	(13.7-31.3)
Estimated grades in past year				
Mostly A's	34	899	11.1	(7.8-15.5)
Mostly B's	34	1,064	20.2	(14.3-27.6)
Mostly C's	25	729	29.7	(20.3-41.2)
Mostly D's or F's	10	*	*	*

*Too unreliable to report

Figure 6. Percent of high school students who reported they carried a weapon (gun, knife, or club) during the past 30 days, Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013, 2017, 2019

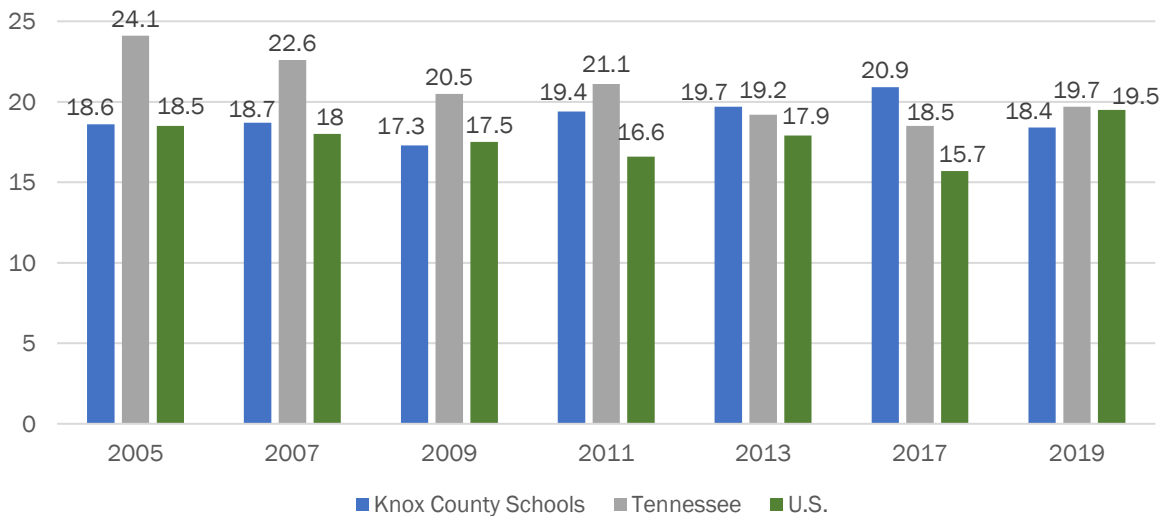


Table 7. Percent of Knox County high school students who reported they carried a gun (excluding guns used for hunting or target shooting) during the past 12 months, 2019
(Total responses = 651)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	38	1,072	5.9	(4.2-8.2)
Male	26	746	8.0	(5.3-11.9)
Female	12	*	*	*
Race/Ethnicity				
White (non-Hispanic)	18	*	*	*
Black (non-Hispanic)	9	*	*	*
Hispanic (any race)	9	*	*	*
Other race/ethnicity	2	*	*	*
School Grade				
9th grade	17	*	*	*
10th grade	7	*	*	*
11th grade	7	*	*	*
12th grade	7	*	*	*
Estimated grades in past year				
Mostly A's	13	*	*	*
Mostly B's	7	*	*	*
Mostly C's	9	*	*	*
Mostly D's or F's	3	*	*	*

*Too unreliable to report

Figure 7. Percent of high school students who reported they carried a gun (excluding guns used for hunting or target shooting) on one or more days during the past 12 months, Knox County, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013, 2017, 2019

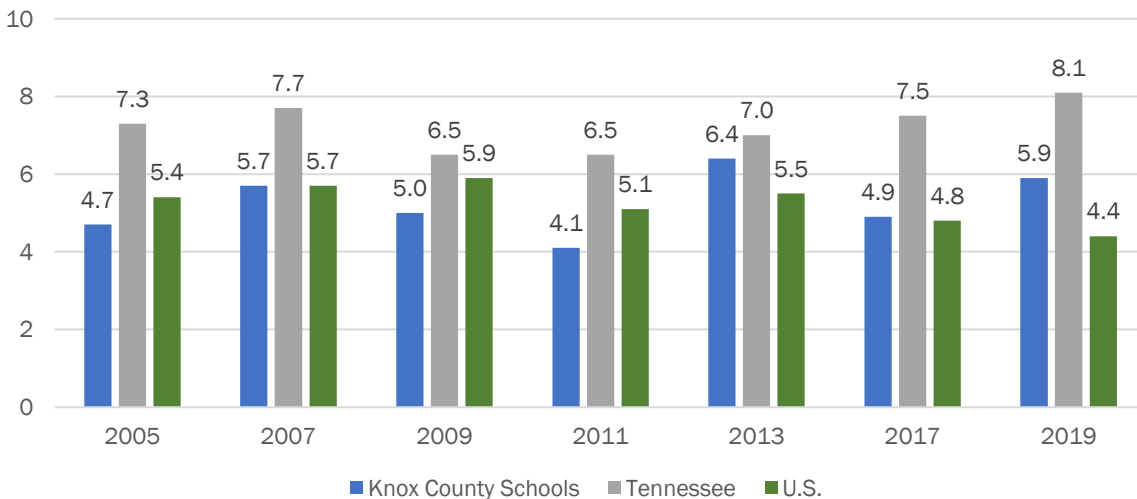


Table 8. Percent of Knox County high school students who reported they did not go to school for one or more days during the past 30 days because they felt too unsafe at school, or going to or from school, 2019

(Total responses = 651)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	102	2,764	15.2	(12.5-18.3)
Male	49	1,322	14.2	(10.6-18.7)
Female	53	1,442	16.3	(12.5-20.8)
Race/Ethnicity				
White (non-Hispanic)	66	1,975	15.2	(12.0-19.0)
Black (non-Hispanic)	10	*	*	*
Hispanic (any race)	20	*	*	*
Other race/ethnicity	6	*	*	*
School Grade				
9th grade	35	869	18.4	(13.4-24.8)
10th grade	28	740	15.7	(11.0-22.0)
11th grade	22	521	11.6	(6.6-17.1)
12th grade	17	*	*	*
Estimated grades in past year				
Mostly A's	33	903	11.1	(7.8-15.6)
Mostly B's	30	824	15.7	(10.9-22.2)
Mostly C's	16	*	*	*
Mostly D's or F's	8	*	*	*

*Too unreliable to report

Figure 8: Percent of high school students who reported they did not go to school for one or more days during the past 30 days because they felt too unsafe at school, or going to or from school, Knox County Schools, Tennessee, U.S., 2009, 2011, 2013, 2017, 2019

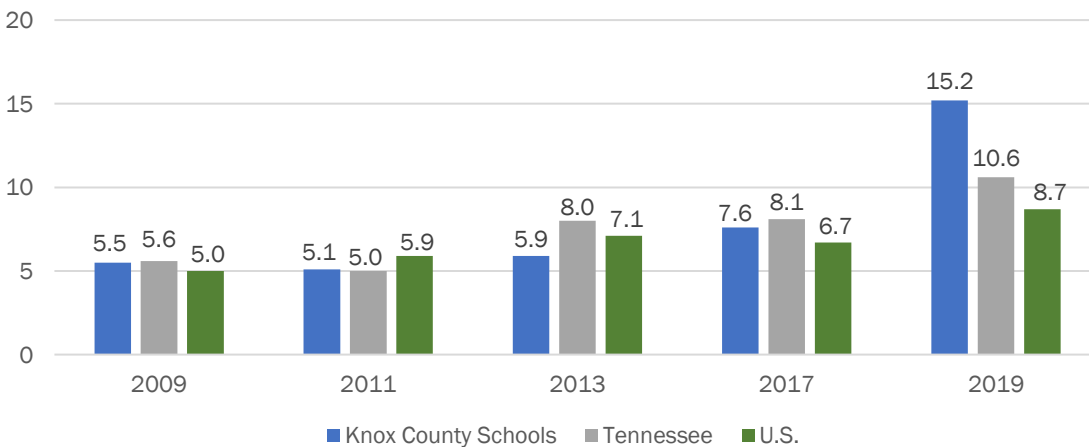


Table 9. Percent of Knox County Schools high school students who reported they had been threatened or injured by someone with a gun, knife, or club on school property during the past 12 months, 2019
(Total responses = 652)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	70	1,861	10.2	(8.0-13.0)
Male	43	1,157	12.3	(9.0-16.8)
Female	27	703	8.0	(5.5-11.5)
Race/Ethnicity				
White (non-Hispanic)	41	1,198	9.2	(6.7-12.6)
Black (non-Hispanic)	12	*	*	*
Hispanic (any race)	13	*	*	*
Other race/ethnicity	4	*	*	*
School Grade				
9th grade	22	521	11.1	(7.3-16.5)
10th grade	18	*	*	*
11th grade	19	*	*	*
12th grade	11	*	*	*
Estimated grades in past year				
Mostly A's	25	628	7.8	(5.1-11.7)
Mostly B's	19	*	*	*
Mostly C's	10	*	*	*
Mostly D's or F's	8	*	*	*

*Too unreliable to report

Figure 9. Percent of high school students who reported they had been threatened or injured by someone with a gun, knife, or club on school property during the past 12 months, Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013, 2017, 2019

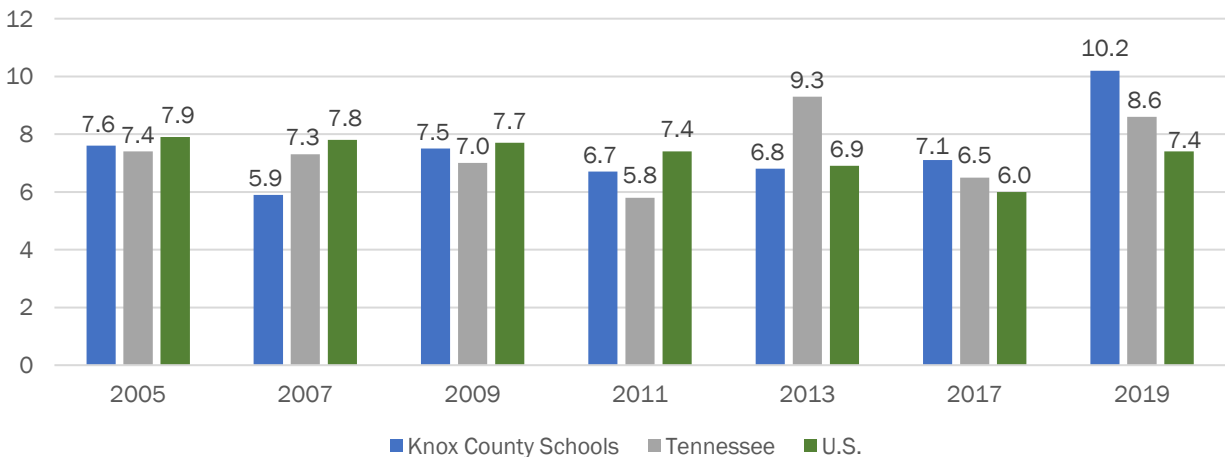


Table 10. Percent of Knox County Schools high school students who reported they were in a physical fight during the past 12 months, 2019

(Total responses = 653)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	174	5,076	27.8	(25.2-31.7)
Male	112	2,227	35.5	(29.9-41.5)
Female	62	1,749	19.7	(15.5-24.7)
Race/Ethnicity				
White (non-Hispanic)	121	3,725	28.6	(24.3-33.4)
Black (non-Hispanic)	22	748	26.7	(17.8-38.0)
Hispanic (any race)	21	415	29.9	(20.1-41.9)
Other race/ethnicity	10	*	*	*
School Grade				
9th grade	55	1,445	30.6	(24.3-38.9)
10th grade	55	1,505	32.0	(25.2-39.6)
11th grade	44	1,140	25.1	(19.0-32.4)
12th grade	20	986	23.0	(14.9-33.7)
Estimated grades in past year				
Mostly A's	45	1,201	14.8	(11.0-19.6)
Mostly B's	57	1,811	34.5	(27.1-42.6)
Mostly C's	33	978	39.8	(29.4-51.3)
Mostly D's or F's	13	*	*	*

*Too unreliable to report

Figure 10. Percent of high school students who reported they were in a physical fight during the past 12 months, Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013, 2017, 2019; Healthy People IVP-34

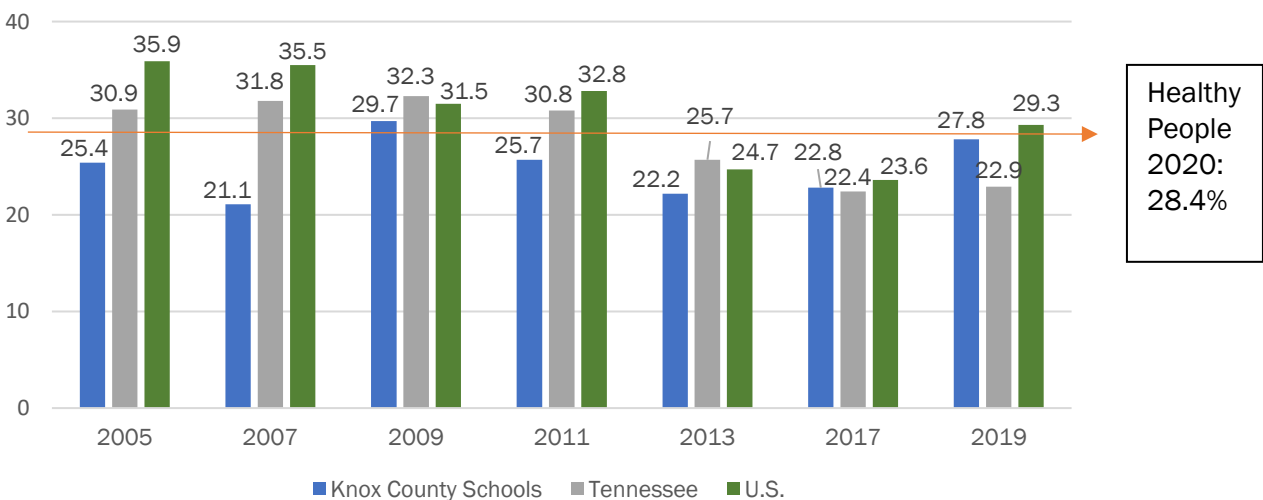


Table 11. Percent of Knox County Schools high school students who reported they were in a physical fight on school property during the past 12 months, 2019
(Total responses = 653)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	73	1,979	10.8	(8.9-13.6)
Male	52	1,417	15.1	(11.4-19.8)
Female	21	562	6.3	(4.1-9.6)
Race/Ethnicity				
White (non-Hispanic)	42	1,237	9.5	(7.0-12.8)
Black (non-Hispanic)	12	*	*	*
Hispanic (any race)	12	*	*	*
Other race/ethnicity	7	*	*	*
School Grade				
9th grade	27	674	14.3	(9.9-20.2)
10th grade	26	730	15.5	(10.6-22.2)
11th grade	12	*	*	*
12th grade	8	*	*	*
Estimated grades in past year				
Mostly A's	20	510	6.3	(4.0-9.7)
Mostly B's	22	685	13.0	(8.4-19.7)
Mostly C's	13	*	*	*
Mostly D's or F's	6	*	*	*

*Too unreliable to report

Figure 11: Percent of high school students who reported they were in a physical fight on school property during the past 12 months, Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013, 2017, 2019

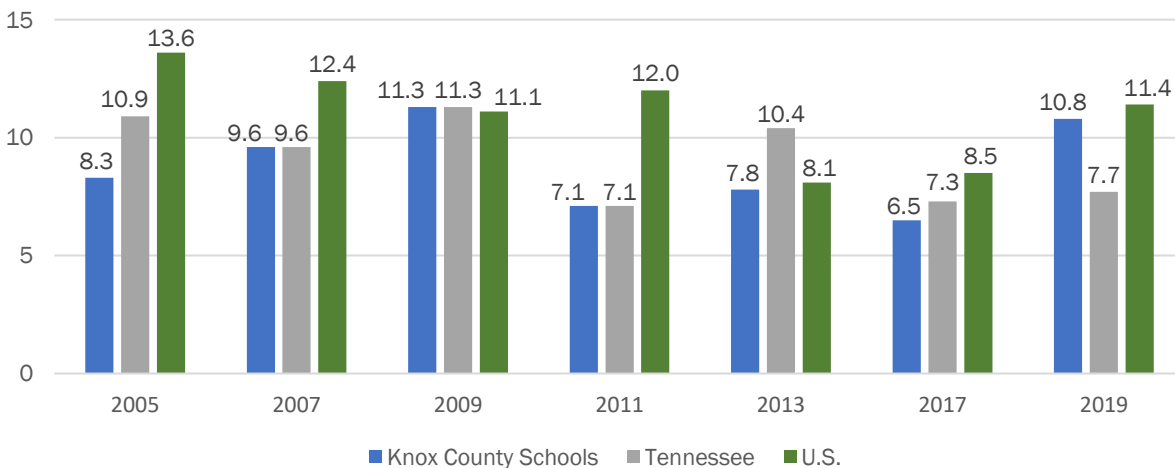
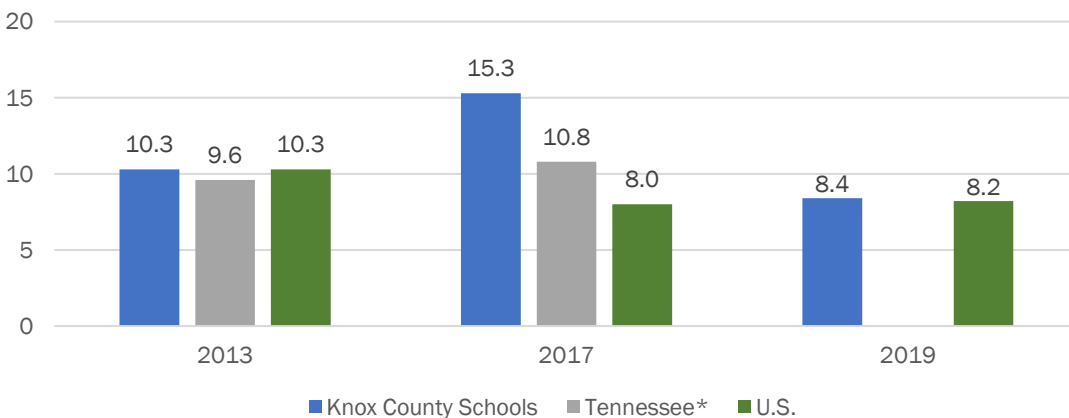


Table 12. Percent of Knox County Schools high school students who reported they had been physically hurt on purpose (being hit, slammed into something, or injured with an object or weapon) by someone they had been dating during the past 12 months, 2019
(Total responses = 651)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	55	960	8.4	(6.4-11.1)
Male	20	578	6.2	(3.8-9.9)
Female	35	960	10.8	(7.8-14.9)
Race/Ethnicity				
White (non-Hispanic)	34	1,025	7.9	(5.5-11.1)
Black (non-Hispanic)	8	*	*	*
Hispanic (any race)	12	*	*	*
Other race/ethnicity	1	*	*	*
School Grade				
9th grade	12	*	*	*
10th grade	16	*	*	*
11th grade	15	*	*	*
12th grade	12	*	*	*
Estimated grades in past year				
Mostly A's	16	*	*	*
Mostly B's	16	*	*	*
Mostly C's	12	*	*	*
Mostly D's or F's	2	*	*	*

*Too unreliable to report

Figure 12. Percent of high school students who reported they had been physically hurt on purpose (being hit, slammed into something, or injured with an object or weapon) by someone they had been dating during the past 12 months, Knox County Schools, Tennessee, U.S., 2013, 2017; Knox County Schools, U.S., 2019



*Data for this variable were not available for Tennessee in 2019

Table 13. Percent of Knox County Schools high school students who reported they had been bullied on school property during the past 12 months, 2019
(Total responses = 646)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	153	4,087	22.6	(19.4-26.2)
Male	64	1,764	19.0	(14.8-24.1)
Female	89	2,323	26.4	(21.8-31.6)
Race/Ethnicity				
White (non-Hispanic)	116	3,333	25.7	(21.6-30.2)
Black (non-Hispanic)	12	*	*	*
Hispanic (any race)	18	*	*	*
Other race/ethnicity	7	*	*	*
School Grade				
9th grade	42	1,024	22.0	(16.5-28.7)
10th grade	45	1,227	26.2	(20.0-33.5)
11th grade	46	1,008	22.4	(17.0-29.0)
12th grade	20	828	19.4	(12.4-29.0)
Estimated grades in past year				
Mostly A's	69	1,911	23.6	(18.8-29.2)
Mostly B's	42	1,120	21.4	(15.9-29.3)
Mostly C's	17	*	*	*
Mostly D's or F's	10	*	*	*

*Too unreliable to report

Figure 13. Percent of high school students who reported they were bullied on school property during the past 12 months, Knox County Schools, Tennessee, U.S., 2009, 2011, 2013, 2017, 2019; Healthy People 2020 Objective IVP-35

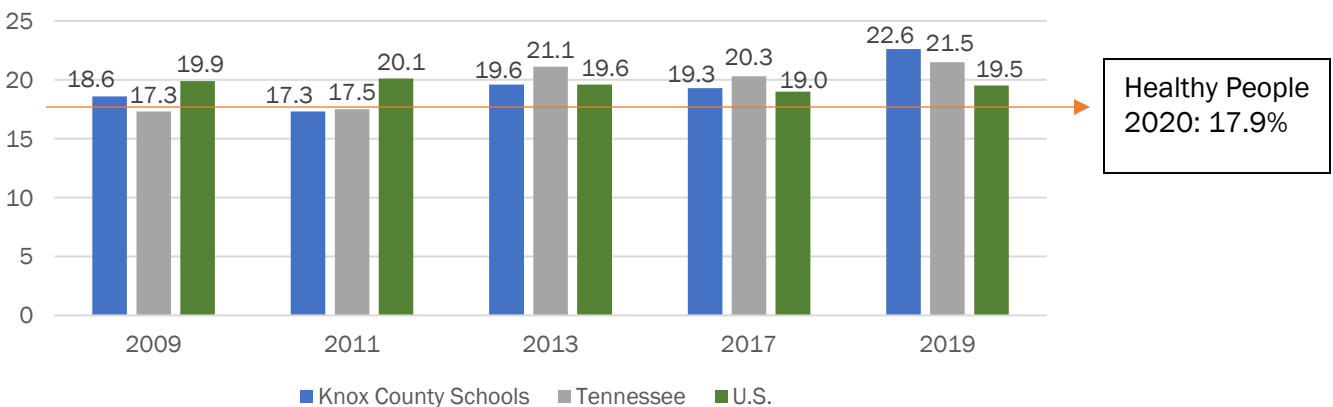


Table 14. Percent of Knox County Schools high schools students who reported they had been bullied electronically (texting, Instagram, Facebook, or other social media) during the past 12 months, 2019 (Total responses = 647)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	126	3,379	18.7	(15.7-22.0)
Male	45	1,139	12.2	(9.0-16.4)
Female	81	2,245	25.4	(20.7-30.7)
Race/Ethnicity				
White (non-Hispanic)	90	2,541	19.5	(16.0-23.6)
Black (non-Hispanic)	12	*	*	*
Hispanic (any race)	17	*	*	*
Other race/ethnicity	7	*	*	*
School Grade				
9th grade	36	876	18.7	(13.7-25.1)
10th grade	32	864	18.5	(13.3-25.1)
11th grade	39	913	20.1	(14.8-26.7)
12th grade	19	*	*	*
Estimated grades in past year				
Mostly A's	51	1,431	17.6	(13.4-22.8)
Mostly B's	34	953	18.2	(13.0-24.9)
Mostly C's	19	*	*	*
Mostly D's or F's	9	*	*	*

*Too unreliable to report

Figure 14. Percent of high school students who reported they had been bullied electronically (texting, Instagram, Facebook, or other social media) during the past 12 months, Knox County Schools, Tennessee, U.S., 2011, 2013, 2017, 2019

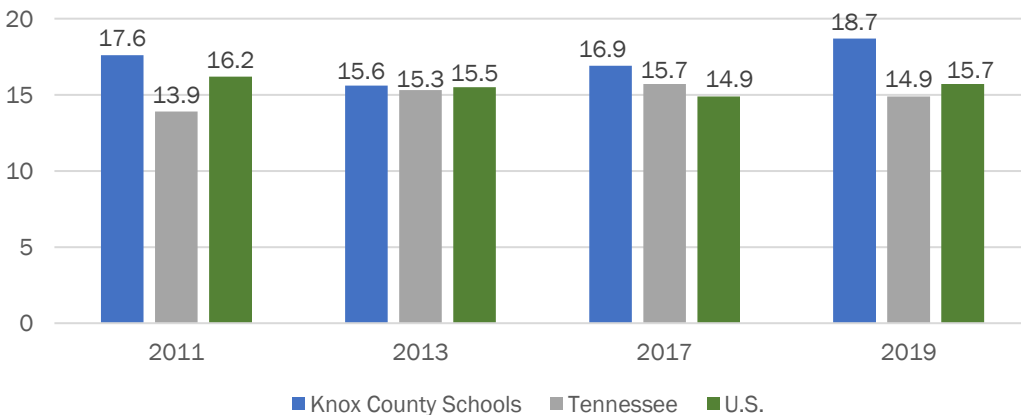


Table 15. Percent of Knox County Schools high school students who reported they felt so sad or hopeless they stopped doing usual activities for two or more weeks in a row during the past 12 months, 2019

(Total responses = 646)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	264	7,180	39.7	(35.8-43.9)
Male	99	2,728	29.4	(24.3-35.1)
Female	165	4,452	50.7	(45.0-56.3)
Race/Ethnicity				
White (non-Hispanic)	190	5,442	41.8	(37.0-46.7)
Black (non-Hispanic)	29	901	33.1	(23.3-44.6)
Hispanic (any race)	30	558	41.1	(30.0-53.1)
Other race/ethnicity	15	*	*	*
School Grade				
9th grade	68	1,677	35.8	(29.1-42.1)
10th grade	71	1,934	41.5	(34.1-49.3)
11th grade	80	1,852	41.4	(34.2-48.9)
12th grade	45	1,718	40.5	(30.8-50.9)
Estimated grades in past year				
Mostly A's	110	2,968	36.8	(31.1-43.0)
Mostly B's	68	1,986	38.0	(30.6-45.9)
Mostly C's	40	1,045	42.6	(32.2-53.7)
Mostly D's or F's	17	*	*	*

*Too unreliable to report

Figure 15. Percent of high school students who reported they felt so sad or hopeless they stopped doing usual activities for two or more weeks in a row during the past 12 months, Knox County Schools, Tennessee, U.S., 2009, 2011, 2013, 2017, 2019, Healthy People 2020 Objective MHMD-4.1

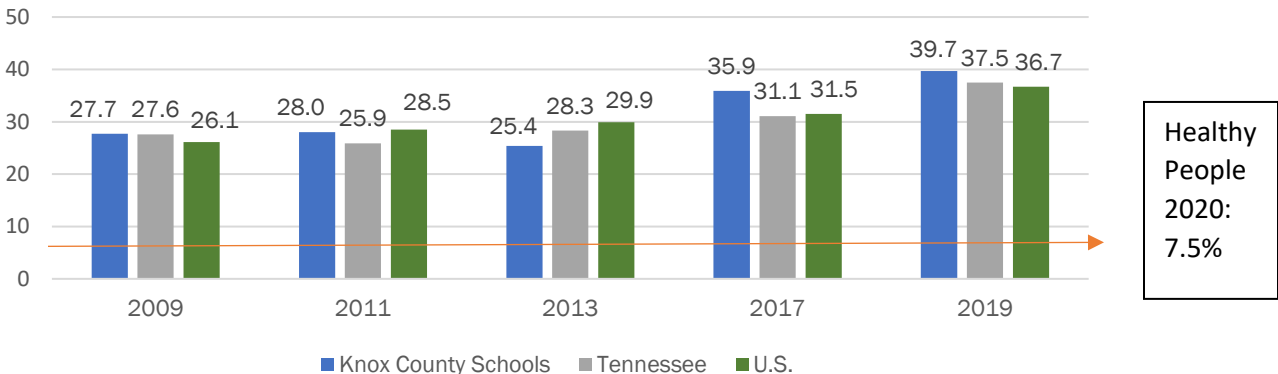


Table 16. Percent of Knox County Schools high school students who reported they seriously considered suicide during the past 12 months, 2019
(Total responses = 641)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	154	4,209	23.4	(20.1-27.1)
Male	52	1,492	16.3	(12.3-21.4)
Female	102	2,717	30.8	(25.8-36.3)
Race/Ethnicity				
White (non-Hispanic)	112	3,201	24.8	(20.8-29.3)
Black (non-Hispanic)	19	*	*	*
Hispanic (any race)	13	*	*	*
Other race/ethnicity	10	*	*	*
School Grade				
9th grade	39	985	21.5	(16.0-28.3)
10th grade	42	1,143	24.4	(19.4-31.6)
11th grade	51	1,166	26.0	(20.0-33.0)
12th grade	22	916	21.7	(14.3-31.6)
Estimated grades in past year				
Mostly A's	70	1,861	23.1	(18.4-28.7)
Mostly B's	39	1,149	22.1	(16.2-29.4)
Mostly C's	18	*	*	*
Mostly D's or F's	10	*	*	*

*Too unreliable to report

Figure 16. Percent of high school students who reported they seriously considered suicide during the past 12 months, Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013, 2017, 2019

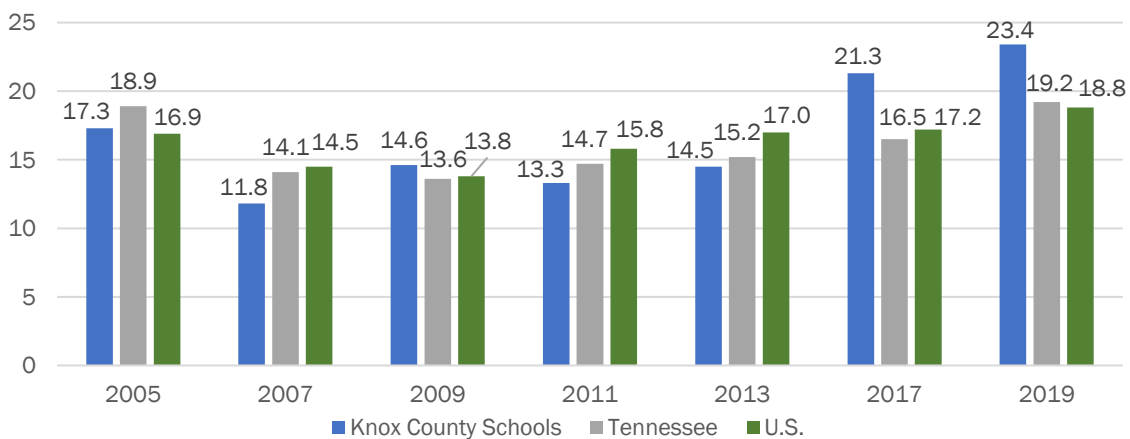


Table 17. Percent of Knox County Schools students who reported they had made a plan to commit suicide during the past 12 months, 2019
(Total responses = 642)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	129	3,435	19.1	(16.1-22.5)
Male	44	1,201	13.1	(9.5-17.8)
Female	85	2,234	25.3	(20.8-30.5)
Race/Ethnicity				
White (non-Hispanic)	84	2,429	18.8	(15.2-22.9)
Black (non-Hispanic)	18	*	*	*
Hispanic (any race)	13	*	*	*
Other race/ethnicity	14	*	*	*
School Grade				
9th grade	30	712	15.5	(10.9-21.5)
10th grade	37	995	21.3	(15.6-28.2)
11th grade	38	828	18.3	(13.5-25.5)
12th grade	24	907	21.5	(14.3-31.1)
Estimated grades in past year				
Mostly A's	60	1,465	18.2	(14.1-23.1)
Mostly B's	31	915	17.6	(12.3-24.4)
Mostly C's	17	*	*	*
Mostly D's or F's	10	*	*	*

*Too unreliable to report

Figure 17. Percent of High School Students who reported they had made a plan to commit suicide during the past 12 months, Knox County Schools, Tennessee, U.S. 2005, 2007, 2009, 2011, 2013, 2017, 2019

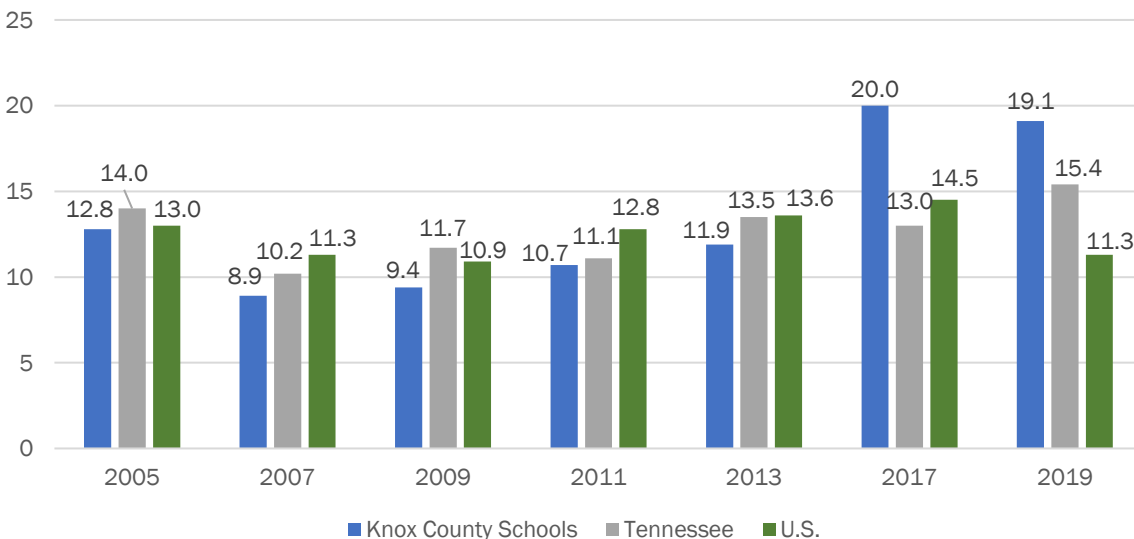


Table 18. Percent of Knox County Schools high school students who reported they attempted suicide during the past 12 months, 2019
(Total responses = 647)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	120	3,253	18.0	(15.0-21.3)
Male	53	1,494	16.1	(12.2-20.9)
Female	67	1,759	19.9	(15.8-24.8)
Race/Ethnicity				
White (non-Hispanic)	76	2,167	16.7	(13.4-20.7)
Black (non-Hispanic)	21	626	22.4	(14.5-32.8)
Hispanic (any race)	11	*	*	*
Other race/ethnicity	12	*	*	*
School Grade				
9th grade	41	1,026	21.9	(16.4-28.6)
10th grade	32	892	19.1	(13.7-25.9)
11th grade	31	711	15.9	(11.2-21.9)
12th grade	16	*	*	*
Estimated grades in past year				
Mostly A's	45	1,073	13.4	(10.0-17.7)
Mostly B's	33	972	18.5	(4.7-13.0)
Mostly C's	18	*	*	*
Mostly D's or F's	12	*	*	*

*Too unreliable to report

Figure 18. Percent of High School Students who reported they attempted suicide during the past 12 months, Knox County Schools, Tennessee, U.S. 2005, 2007, 2009, 2011, 2013, 2017, 2019; Healthy People 2020 Objective MHMD-2

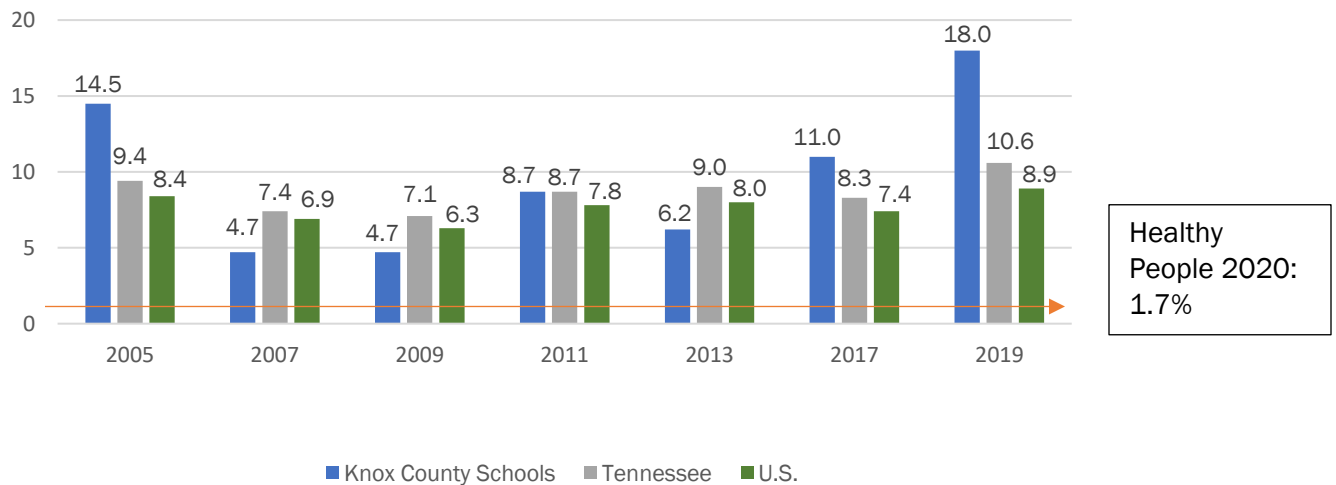
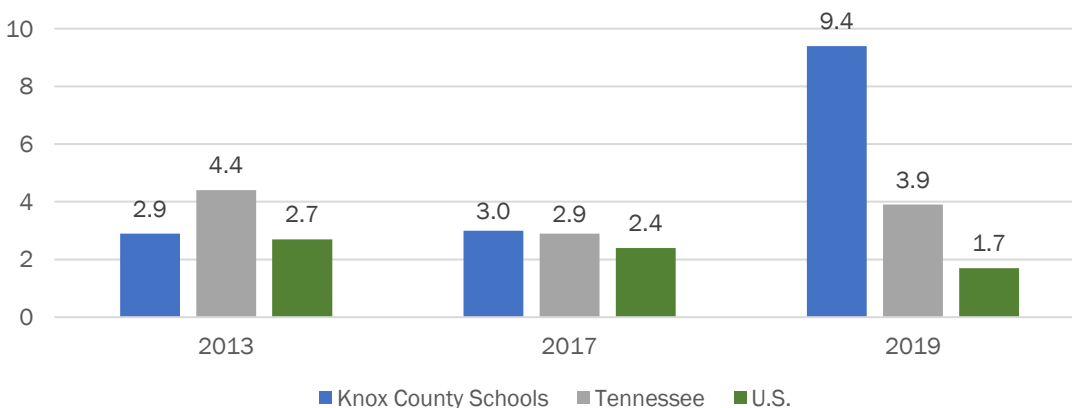


Table 19. Percent of Knox County Schools high school students who reported their suicide attempt during the past 12 months resulted in injury, poisoning, or overdose requiring treatment by a health care professional, 2019
(Total responses = 647)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	59	1,704	9.4	(7.2-12.2)
Male	30	912	9.9	(6.7-15.2)
Female	29	792	9.0	(6.2-12.8)
Race/Ethnicity				
White (non-Hispanic)	36	1,127	8.7	(6.2-12.1)
Black (non-Hispanic)	16	*	*	*
Hispanic (any race)	3	*	*	*
Other race/ethnicity	4	*	*	*
School Grade				
9th grade	26	657	14.0	(9.6-20.0)
10th grade	13	*	*	*
11th grade	10	*	*	*
12th grade	10	*	*	*
Estimated grades in past year				
Mostly A's	19	*	*	*
Mostly B's	17	*	*	*
Mostly C's	12	*	*	*
Mostly D's or F's	3	*	*	*

*Too unreliable to report

Figure 19. Percent of high school students who reported their suicide attempt during the past 12 months resulted in injury, poisoning, or overdose requiring treatment by a health care professional, Knox County Schools, Tennessee, U.S., 2013, 2017, 2019



Section 2:
Tobacco, Vapor Products, Alcohol, and Illicit Drug Use

Table 20. Percent of Knox County Schools high school students who reported they have tried cigarettes, 2019
(Total responses = 647)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	161	4,764	26.3	(22.8-30.2)
Male	76	2,369	25.6	(20.5-31.4)
Female	85	2,395	27.2	(22.4-32.6)
Race/Ethnicity				
White (non-Hispanic)	119	3,750	28.8	(24.4-33.7)
Black (non-Hispanic)	16	*	*	*
Hispanic (any race)	18	*	*	*
Other race/ethnicity	8	*	*	*
School Grade				
9th grade	45	1,115	24.0	(18.3-30.9)
10th grade	35	1,051	22.6	(16.6-29.9)
11th grade	45	1,046	23.0	(17.5-29.7)
12th grade	36	1,552	36.6	(27.0-47.3)
Estimated grades in past year				
Mostly A's	48	1,423	17.5	(13.2-22.9)
Mostly B's	52	1,625	30.9	(23.9-38.9)
Mostly C's	28	861	36.1	(25.7-47.9)
Mostly D's or F's	13	*	*	*

*Too unreliable to report

Figure 20. Percent of high school students who reported they have tried cigarettes, Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013, 2017, 2019

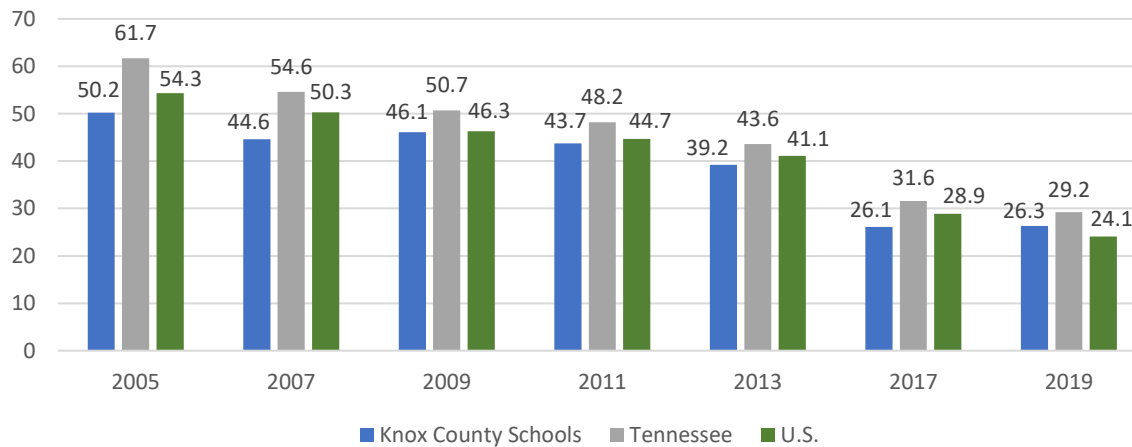


Table 21. Percent of Knox County Schools high school students who reported they smoked cigarettes on one or more days during the past 30 days (current smokers), 2019
(Total responses = 655)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	66	1,917	10.5	(8.2-13.4)
Male	39	1,100	11.7	(8.3-16.1)
Female	27	817	9.2	(6.3-13.2)
Race/Ethnicity				
White (non-Hispanic)	44	1,394	10.7	(7.9-14.3)
Black (non-Hispanic)	11	*	*	*
Hispanic (any race)	9	*	*	*
Other race/ethnicity	2	*	*	*
School Grade				
9th grade	21	522	10.5	(8.2-13.4)
10th grade	15	*	*	*
11th grade	11	*	*	*
12th grade	19	*	*	*
Estimated grades in past year				
Mostly A's	19	*	*	*
Mostly B's	16	*	*	*
Mostly C's	14	*	*	*
Mostly D's or F's	5	*	*	*

*Too unreliable to report

Figure 21. Percent of high school students who reported they smoked cigarettes on one more day during the past 30 days (current smokers), Knox County Schools, Tennessee, U.S. 2005, 2007, 2009, 2011, 2013, 2017, 2019; Healthy People 2020 Objective TU-2.2

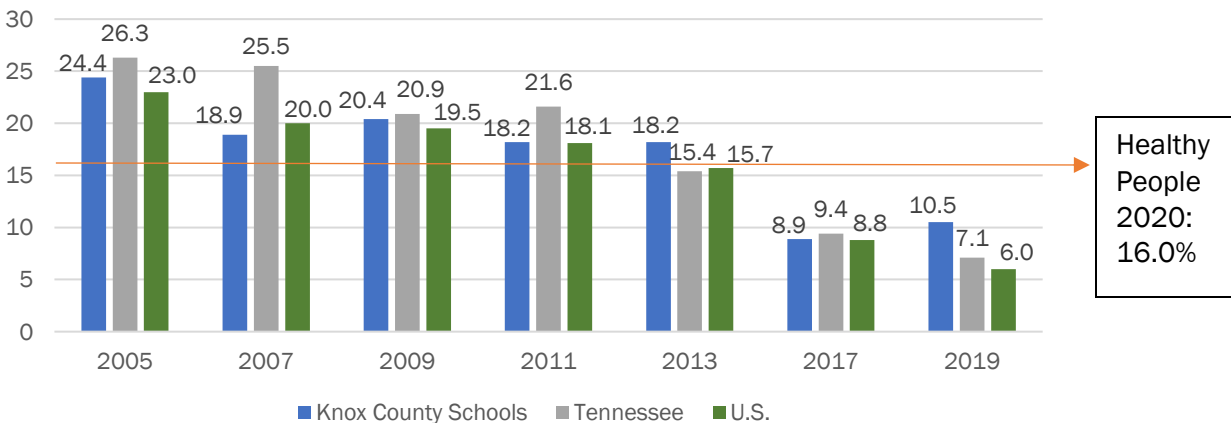


Table 22: The number of cigarettes smoked per day during the past 30 days reported by Knox County Schools high school students in 2019: Percent
(Total responses = 648)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Did not smoke during the past 30 days	595	16,538	90.4	(87.9-92.9)
Less than 1 cigarette per day	26	859	4.7	(2.8-6.6)
One cigarette per day	8	*	*	*
2-5 cigarettes per day	11	*	*	*
6-10 cigarettes per day	4	*	*	*
11-20 cigarettes per day	2	*	*	*
More than 20 cigarettes per day	2	*	*	*

**Too unreliable to report*

Figure 22: The number of cigarettes smoked per day during the past 30 days reported by Knox County high school students in 2019: Percent

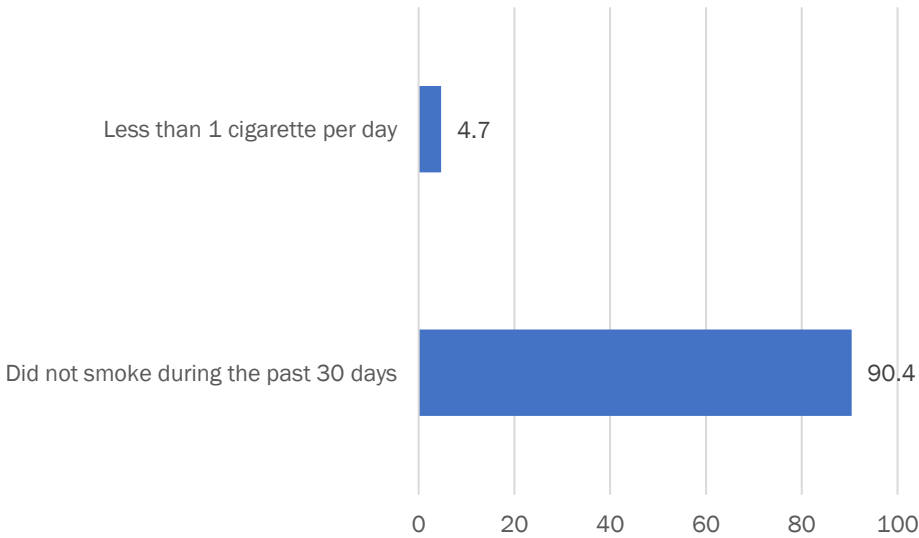


Table 23. Percent of Knox County Schools high school students who reported they had used an electronic vapor product, 2019
(Total responses = 640)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	306	8,886	49.6	(45.4-53.8)
Male	148	4,435	48.2	(42.2-54.3)
Female	158	4,451	51.0	(45.3-56.7)
Race/Ethnicity				
White (non-Hispanic)	226	6,925	53.8	(48.8-58.7)
Black (non-Hispanic)	32	964	35.7	(25.7-47.2)
Hispanic (any race)	28	542	40.0	(28.9-52.2)
Other race/ethnicity	20	454	46.0	(32.0-60.6)
School Grade				
9th grade	74	1,901	41.5	(34.4-49.0)
10th grade	78	2,171	46.9	(39.2-54.7)
11th grade	87	2,080	46.6	(39.2-54.1)
12th grade	67	2,735	64.4	(53.7-73.9)
Estimated grades in past year				
Mostly A's	122	3,610	44.8	(38.6-51.1)
Mostly B's	91	2,709	52.0	(44.1-59.8)
Mostly C's	45	1,319	54.6	(43.5-65.4)
Mostly D's or F's	16	*	*	*

*Too unreliable to report

Figure 23. Percent of high school students who reported they had used an electronic vapor product, Knox County Schools, Tennessee, U.S., 2019

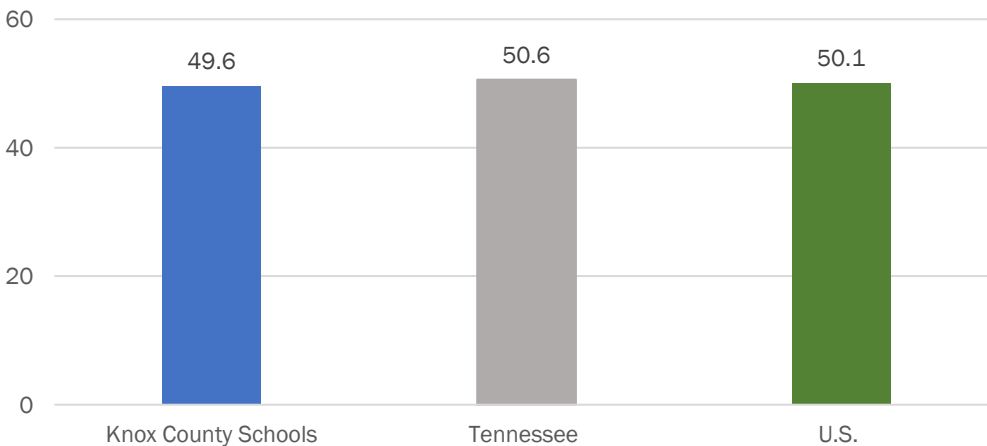


Table 24. Percent of Knox County Schools high school students who reported they used an electronic vapor product within the past 30 days (current user), 2019
(Total responses = 649)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	183	5,202	28.7	(25.1-32.6)
Male	90	2,627	28.2	(23.1-33.9)
Female	93	2,575	29.3	(24.4-34.8)
Race/Ethnicity				
White (non-Hispanic)	143	4,315	33.3	(28.7-38.2)
Black (non-Hispanic)	13	*	*	*
Hispanic (any race)	20	378	27.2	(18.0-38.9)
Other race/ethnicity	7	*	*	*
School Grade				
9th grade	44	1,123	24.3	(18.5-31.2)
10th grade	37	1,014	21.8	(16.1-28.7)
11th grade	64	1,522	33.6	(27.0-40.9)
12th grade	38	1,543	36.0	(26.7-46.5)
Estimated grades in past year				
Mostly A's	63	1,841	22.7	(17.8-28.4)
Mostly B's	52	1,566	29.7	(22.9-37.5)
Mostly C's	35	967	39.9	(29.6-51.1)
Mostly D's or F's	13	*	*	*

*Too unreliable to report

Figure 24. Percent of high school students who reported they used an electronic vapor within the past 30 days (current users), Knox County Schools, Tennessee, U.S., 2017, 2019

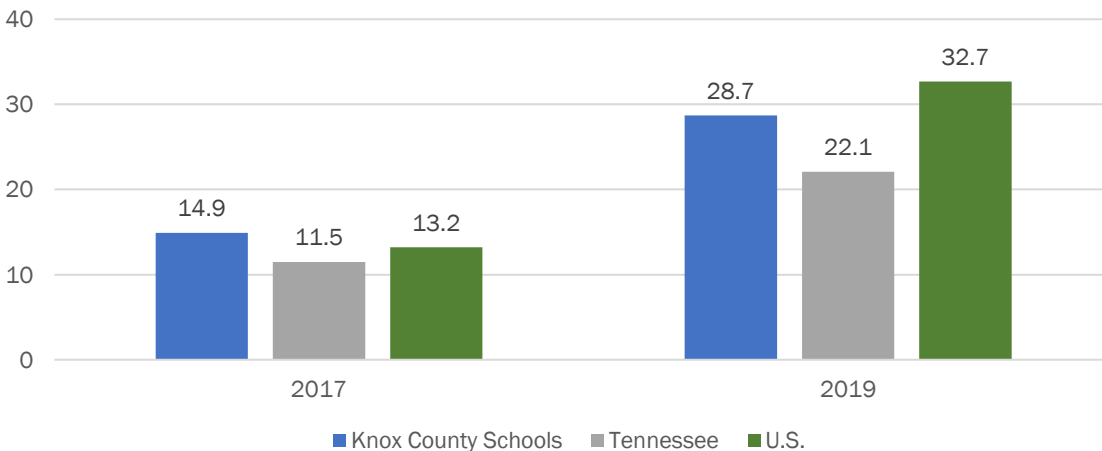


Table 25. Percent of Knox County Schools students who reported they used an electronic vapor product on school property during the past 30 days, 2019
(Total responses = 648)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	95	2,673	14.8	(12.1-17.9)
Male	47	1,284	13.8	(10.3-18.3)
Female	48	1,389	15.8	(12.0-20.6)
Race/Ethnicity				
White (non-Hispanic)	73	2,159	16.7	(13.3-20.7)
Black (non-Hispanic)	11	*	*	*
Hispanic (any race)	9	*	*	*
Other race/ethnicity	2	*	*	*
School Grade				
9th grade	31	803	17.3	(12.4-23.7)
10th grade	12	*	*	*
11th grade	30	731	16.2	(11.4-22.6)
12th grade	21	776	18.1	(11.7-27.0)
Estimated grades in past year				
Mostly A's	23	862	8.4	(5.5-12.6)
Mostly B's	33	997	18.9	(13.4-25.9)
Mostly C's	18	*	*	*
Mostly D's or F's	7	*	*	*

*Too unreliable to report

Figure 25. Percent of Knox County Schools high school students who reported they used an electronic vapor product on school property during the past 30 days by gender in 2019

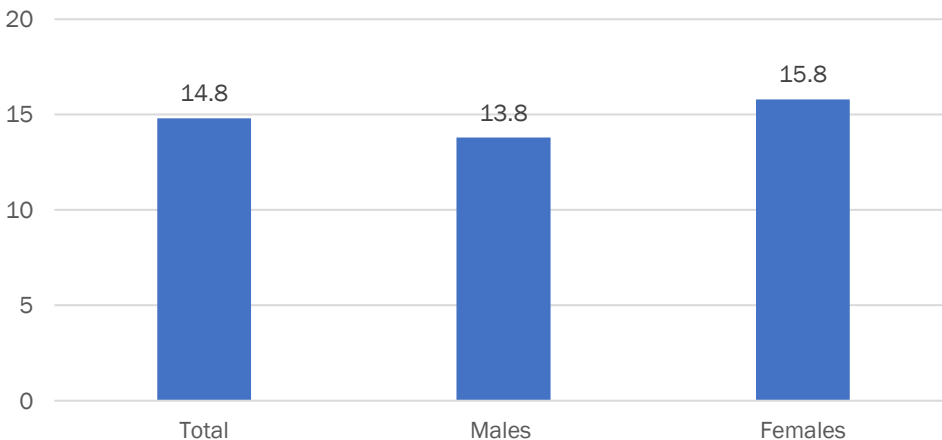


Table 26. Among Knox County Schools high school students who currently use electronic vapor products, the most frequent manner they obtained the products during the past 30 days in 2019:
Percent
(Total responses = 180)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Interval
Borrowed them from someone	75	2,143	41.9	(34.4-49.7)
Gave someone else money to buy them	34	984	19.2	(13.8-26.1)
A person 18 years or older bought them and gave them to me	23	562	11.0	(7.3-16.3)
Got them some other way	20	606	11.8	(7.4-18.4)
Bought them in a store	17	*	*	*
Got them on the internet	9	*	*	*
Took them from a store or another person	2	*	*	*

*Too unreliable to report

Figure 26. The reported most frequent method Knox County Schools high school students obtained electronic vapor products among users during the past 30 days in 2019: Percent



Table 27. Among Knox County Schools high school students who currently use electronic vapor products, the main reason they used the products in 2019: Percent
(Total responses = 278)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Interval
Used them for other reason	124	3,430	42.5	(36.4-48.7)
Friend or family member used them	95	2,787	34.5	(28.7-40.8)
Available in flavors such as mint, candy, fruit, or chocolate	23	773	9.6	(6.3-14.3)
Less harmful than other tobacco products	16	*	*	*
To quit other tobacco products	9	*	*	*
Cost less than other tobacco products	4	*	*	*
Easier to get than other tobacco products	7	*	*	*

**Too unreliable to report*

Figure 27. The reported main reason Knox County Schools high school students used electronic nicotine products among users in 2019: Percent

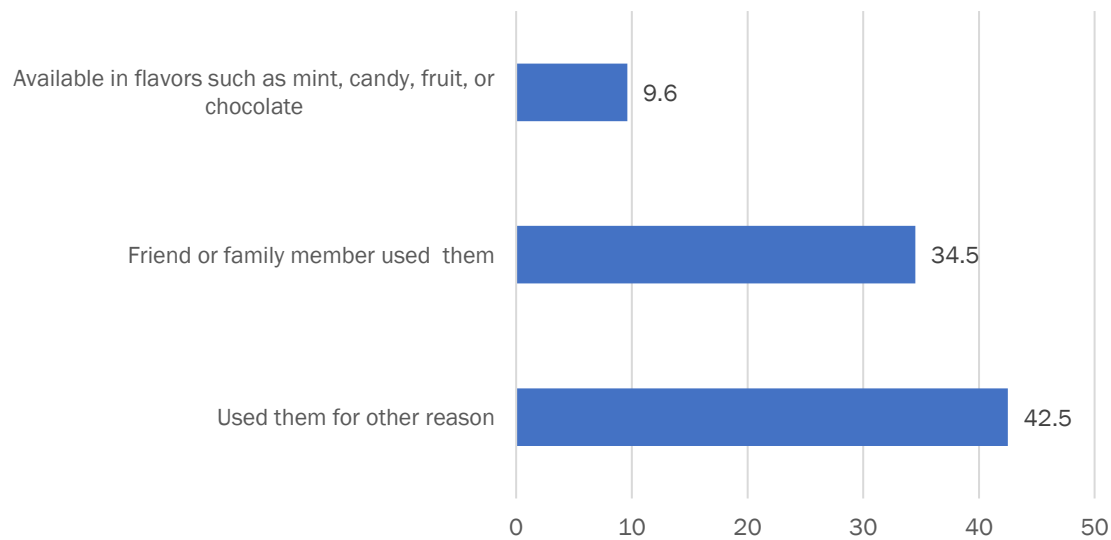


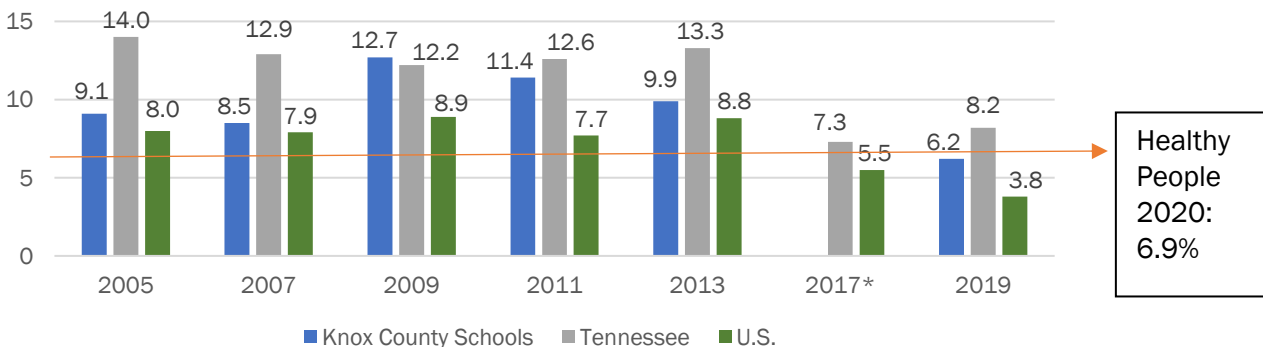
Table 28. Percent of Knox County Schools high school students who reported they used chewing tobacco, snuff, dip, snus or dissolvable tobacco products during the past 30 days (current users), 2019

(Total responses = 648)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	38	1,121	6.2	(4.4-8.7)
Male	28	851	9.2	(6.2-13.9)
Female	10	851	*	*
Race/Ethnicity				
White (non-Hispanic)	29	927	7.1	(4.8-10.4)
Black (non-Hispanic)	4	*	*	*
Hispanic (any race)	4	*	*	*
Other race/ethnicity	1	*	*	*
School Grade				
9th grade	9	*	*	*
10th grade	10	*	*	*
11th grade	10	*	*	*
12th grade	9	*	*	*
Estimated grades in past year				
Mostly A's	11	*	*	*
Mostly B's	11	*	*	*
Mostly C's	9	*	*	*
Mostly D's or F's	1	*	*	*

*Too unreliable to report

Figure 28. Percent of high school students who reported they used chewing tobacco, snuff, dip, snus or dissolvable tobacco products during the past 30 days (current users), Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013; Tennessee, U.S., 2017; Knox County Schools, Tennessee, U.S., 2019; Healthy People 2020 Objective TU-2.3



*The results for this variable were too unreliable to report for Knox County in 2017.

Table 29. Percent of Knox County Schools who reported they smoked cigars, cigarillos, or little cigars on one or more days during the past 30 days, 2019
(Total responses = 647)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	55	1,530	8.5	(6.4-11.1)
Male	30	827	8.9	(6.1-12.9)
Female	25	703	8.0	(5.4-11.8)
Race/Ethnicity				
White (non-Hispanic)	34	1,046	8.1	(5.7-11.3)
Black (non-Hispanic)	9	*	*	*
Hispanic (any race)	7	*	*	*
Other race/ethnicity	5	*	*	*
School Grade				
9th grade	17	*	*	*
10th grade	13	*	*	*
11th grade	11	*	*	*
12th grade	14	*	*	*
Estimated grades in past year				
Mostly A's	19	*	*	*
Mostly B's	13	*	*	*
Mostly C's	9	*	*	*
Mostly D's or F's	6	*	*	*

*Too unreliable to report

Figure 29. Percent of high school students who reported they smoked cigars, cigarillos, or little cigars on one or more days during the past 30 days, Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013, 2017, 2019; Healthy People 2020 Objective TU-2.4

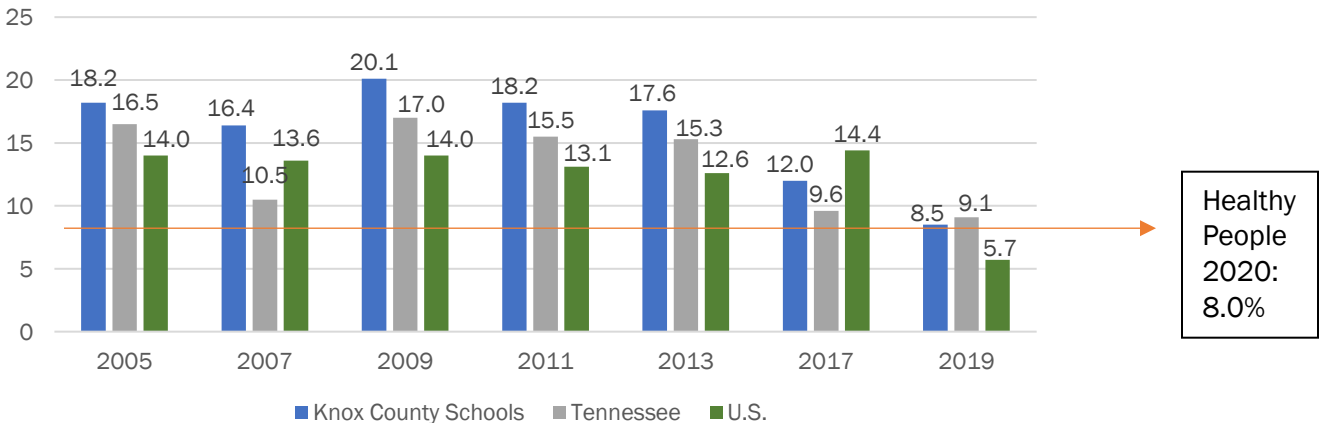


Table 30. Among Knox County Schools high school students who use tobacco products, the percent who tried to quit during the past 12 months, 2019
(Total responses = 174)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	95	2,832	55.6	(47.6-63.4)
Male	47	1,493	50.7	(40.1-61.1)
Female	48	1,340	61.0	(48.8-72.0)
Race/Ethnicity				
White (non-Hispanic)	71	2,232	58.7	(49.1-67.6)
Black (non-Hispanic)	12	*	*	*
Hispanic (any race)	8	*	*	*
Other race/ethnicity	4	*	*	*
School Grade				
9th grade	25	647	49.5	(35.9-63.2)
10th grade	18	*	*	*
11th grade	30	705	59.7	(44.2-73.4)
12th grade	22	967	62.5	(44.7-77.6)
Estimated grades in past year				
Mostly A's	33	1,041	57.5	(43.4-70.5)
Mostly B's	24	788	57.8	(41.7-72.5)
Mostly C's	17	*	*	*
Mostly D's or F's	11	*	*	*

*Too unreliable to report

Figure 30. Among high school students who use tobacco products, the percent who tried to quit during the past 12 months, Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013, 2017, 2019

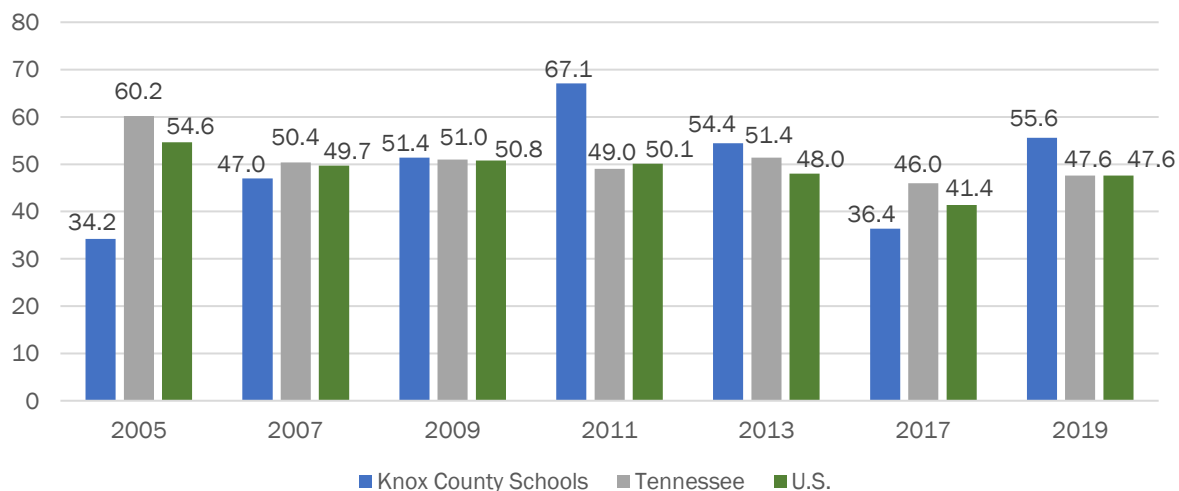


Table 31. Percent of Knox County Schools high school students who used any form of tobacco or electronic vapor products during the past 30 days, 2019
(Total responses = 655)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	222	6,324	34.6	(30.7-38.6)
Male	109	3,181	33.8	(28.3-39.7)
Female	113	3,142	35.4	(30.2-41.0)
Race/Ethnicity				
White (non-Hispanic)	159	4,791	36.7	(32.0-41.6)
Black (non-Hispanic)	27	834	29.5	(20.4-40.5)
Hispanic (any race)	24	456	32.8	(22.7-44.8)
Other race/ethnicity	12	*	*	*
School Grade				
9th grade	57	1,452	30.8	(24.4-38.0)
10th grade	46	1,321	28.0	(21.5-35.6)
11th grade	69	1,631	35.9	(29.2-43.3)
12th grade	50	1,920	44.4	(34.4-54.7)
Estimated grades in past year				
Mostly A's	75	2,185	26.9	(21.7-32.9)
Mostly B's	60	1,793	34.0	(26.9-41.9)
Mostly C's	41	1,120	45.6	(35.0-56.7)
Mostly D's or F's	18	*	*	*

*Too unreliable to report

Figure 31. Percent of high school students who used any form of tobacco or electronic vapor products during the past 30 days, Knox County Schools, Tennessee, U.S., 2017, 2019

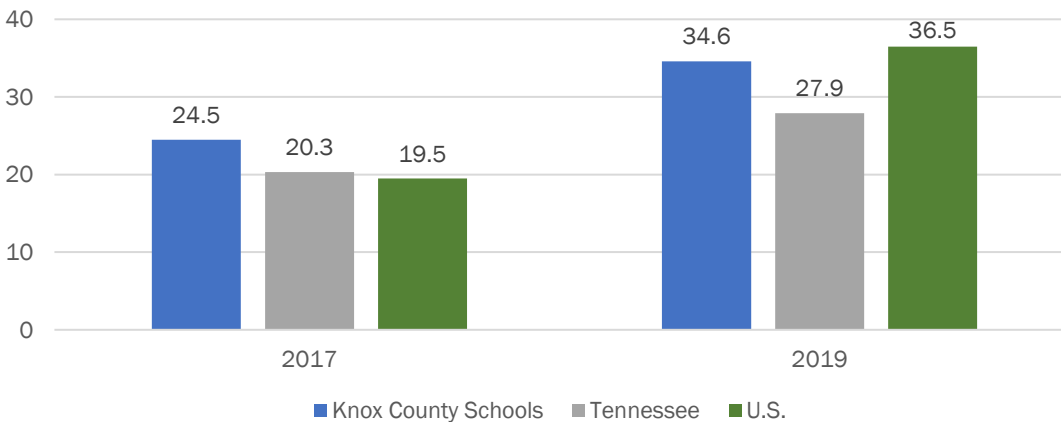


Table 32. Percent of Knox County Schools high school students who reported they drank alcohol (excluding a few sips for religious purposes) during the past 30 days (current drinkers), 2019
(Total responses = 645)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	185	5,478	30.5	(26.7-34.5)
Male	89	2,734	29.6	(24.2-35.5)
Female	96	2,744	31.5	(26.4-37.1)
Race/Ethnicity				
White (non-Hispanic)	138	4,308	33.2	(28.6-38.2)
Black (non-Hispanic)	18	*	*	*
Hispanic (any race)	17	*	*	*
Other race/ethnicity	12	*	*	*
School Grade				
9th grade	42	1,084	23.5	(17.8-30.4)
10th grade	42	1,162	25.3	(19.1-32.5)
11th grade	57	1,382	30.9	(24.4-38.2)
12th grade	44	1,850	43.3	(33.3-53.9)
Estimated grades in past year				
Mostly A's	69	2,040	25.4	(20.2-31.3)
Mostly B's	54	1,716	32.6	(25.5-40.7)
Mostly C's	34	970	40.0	(29.6-51.4)
Mostly D's or F's	11	*	*	*

*Too unreliable to report

Figure 32. Percent of high school students who drank alcohol (excluding a few sips for religious purposes) during the past 30 days, Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013, 2017, 2019, Healthy People 2020 SA-13.1

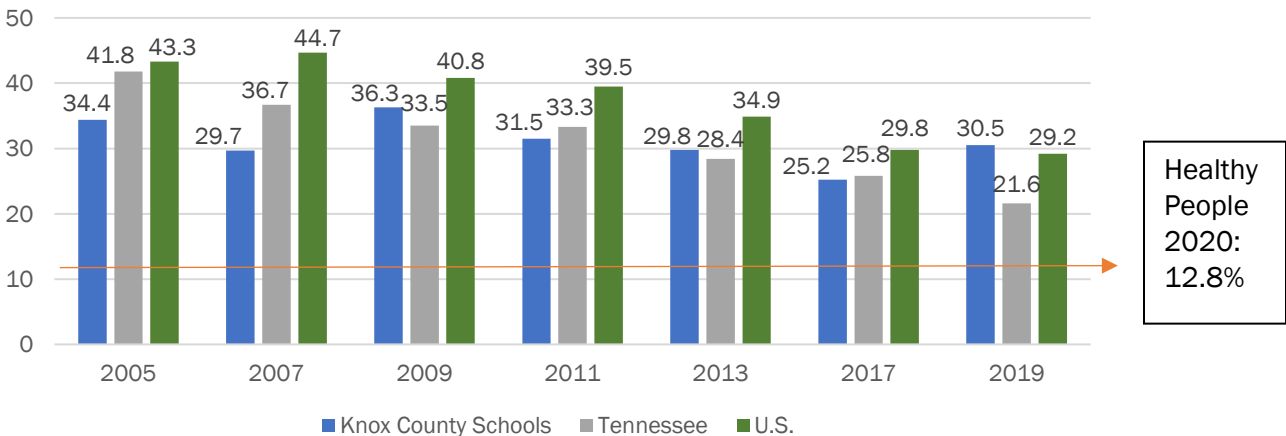


Table 33. Percent of Knox County Schools high school students who reported they binge drank (4 or more alcohol drinks on one occasion if female, or 5 or more alcohol drinks on one occasion if male) during the past 30 days, 2019
(Total responses = 645)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	120	3,610	20.1	(16.9-23.8)
Male	59	1,800	19.5	(15.1-24.9)
Female	61	1,810	20.7	(16.4-25.9)
Race/Ethnicity				
White (non-Hispanic)	88	2,790	21.5	(17.6-26.0)
Black (non-Hispanic)	11	*	*	*
Hispanic (any race)	12	*	*	*
Other race/ethnicity	9	*	*	*
School Grade				
9th grade	23	590	12.7	(8.5-18.6)
10th grade	29	817	17.8	(12.6-24.5)
11th grade	35	851	19.0	(13.8-25.5)
12th grade	33	1,352	31.9	(23.0-42.3)
Estimated grades in past year				
Mostly A's	37	1,155	14.3	(10.3-19.6)
Mostly B's	38	1,194	22.7	(16.6-30.3)
Mostly C's	24	684	28.5	(19.4-39.7)
Mostly D's or F's	9	*	*	*

*Too unreliable to report

Figure 33. Percent of high school students who reported they binge drank (4 or more alcohol drinks on one occasion if female, or 5 or more alcohol drinks on one occasion if male) during the past 30 days, Knox County Schools, Tennessee, U.S., 2017, 2019; Healthy People 2020 SA-14.4

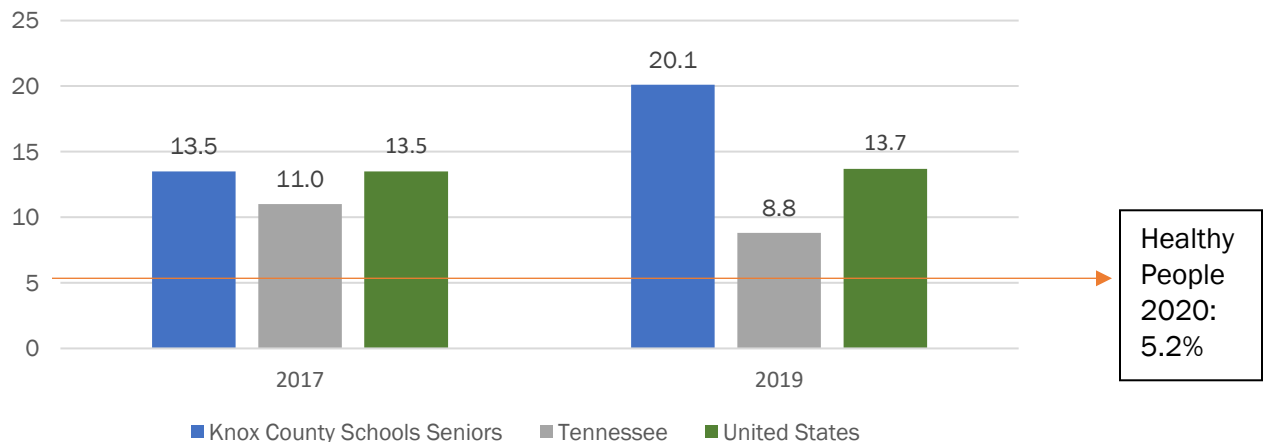


Table 34. Among Knox County Schools high school students who drink alcohol, the method they usually obtained the alcohol during the past 30 days in 2019: Percent
(Total responses = 173)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Got it some other way	60	1,995	38.7	(31.0-47.0)
Gave someone else money to buy it	37	1,073	20.8	(15.0-28.1)
Took it from store or family member	31	854	16.6	(11.5-23.2)
Someone gave it to them	26	729	14.1	(9.6-20.3)
Bought it at a public event	8	*	*	*
Bought it a restaurant, bar, or club	7	*	*	*
Bought it in a store	4	*	*	*

*Too unreliable to report

Figure 34. The reported method that Knox County Schools high school students usually obtained alcohol among users during the past 30 days: Percent

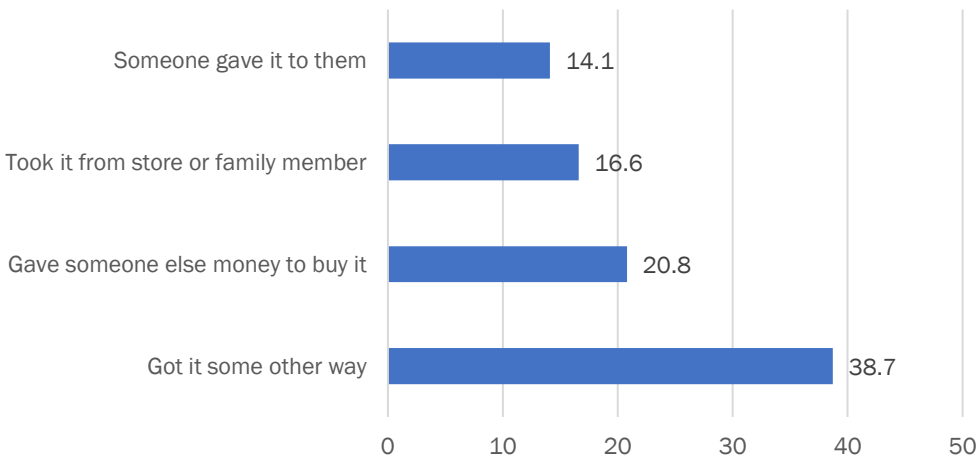


Table 35. Percent of Knox County Schools high school students who reported they have used marijuana, 2019
(Total responses = 644)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	217	6,311	35.1	(31.2-39.2)
Male	101	3,038	33.0	(27.4-39.0)
Female	116	3,274	37.4	(32.0-43.1)
Race/Ethnicity				
White (non-Hispanic)	143	4,409	34.1	(29.4-39.0)
Black (non-Hispanic)	34	1,099	41.2	(30.4-52.8)
Hispanic (any race)	24	477	34.7	(24.2-46.8)
Other race/ethnicity	16	*	*	*
School Grade				
9th grade	46	1,171	25.5	(19.5-32.5)
10th grade	57	1,601	35.0	(27.9-42.9)
11th grade	62	1,524	33.6	(26.9-41.1)
12th grade	52	2,014	47.2	(37.0-57.60)
Estimated grades in past year				
Mostly A's	80	2,424	29.9	(24.3-36.0)
Mostly B's	56	1,687	32.1	(25.1-40.0)
Mostly C's	36	1,024	43.4	(32.6-55.0)
Mostly D's or F's	17	*	*	*

*Too unreliable to report

Figure 35. Percent of high school students who reported they have used marijuana, Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013, 2017, 2019

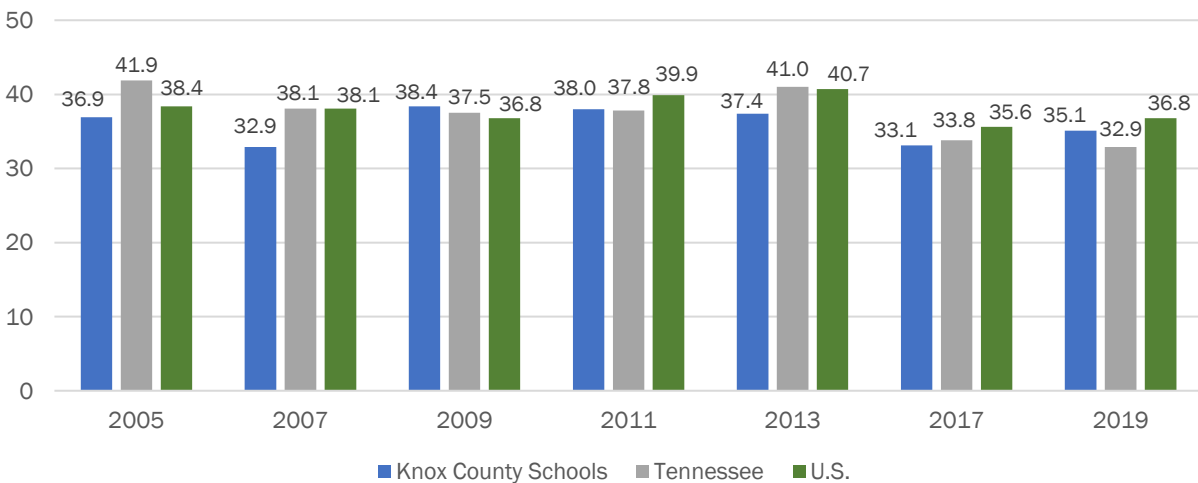


Table 36. Percent of Knox County Schools high school students who reported they used marijuana during the past 30 days (current user), 2019
(Total responses = 647)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	123	3,837	21.2	(17.9-25.0)
Male	61	193	21.1	(16.3-26.7)
Female	62	1,884	21.4	(17.0-26.7)
Race/Ethnicity				
White (non-Hispanic)	78	2,600	20.1	(16.2-24.2)
Black (non-Hispanic)	24	791	29.0	(19.7-40.5)
Hispanic (any race)	14	*	*	*
Other race/ethnicity	7	*	*	*
School Grade				
9th grade	28	723	15.7	(11.0-21.9)
10th grade	33	947	20.3	(14.7-27.5)
11th grade	28	719	15.9	(11.1-22.4)
12th grade	34	1,448	33.8	(24.6-44.4)
Estimated grades in past year				
Mostly A's	37	1,217	15.0	(10.8-20.4)
Mostly B's	34	1,130	21.5	(15.4-29.2)
Mostly C's	22	664	27.4	(18.3-38.8)
Mostly D's or F's	14	*	*	*

*Too unreliable to report

Figure 36. Percent of high school students who reported they used marijuana during the past 30 days (current user), Knox County Schools, Tennessee, U.S. 2005, 2007, 2009, 2011, 2013, 2017, 2019

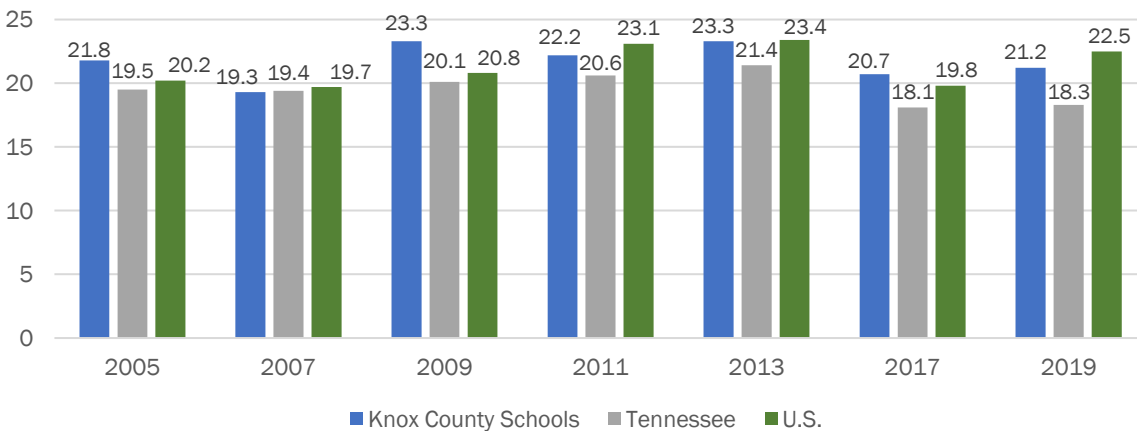
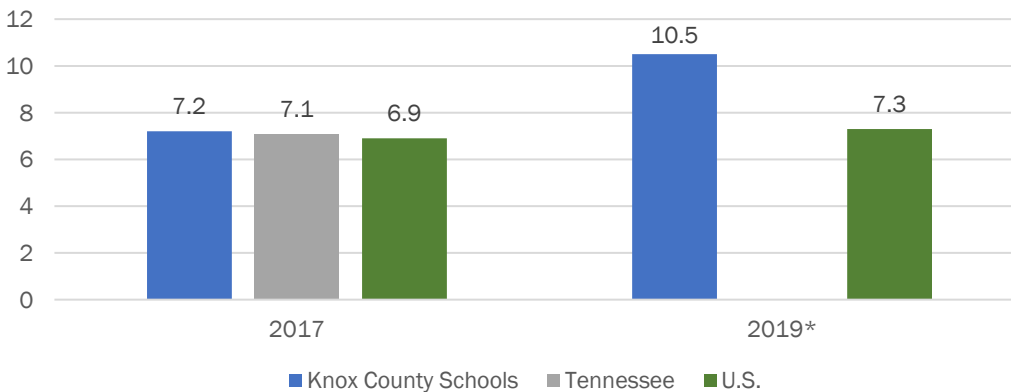


Table 37. Percent of Knox County Schools high school students who reported they used synthetic marijuana (Spice, fake weed, K2, King Kong, Yucatan Fire, or Skunk), 2019
(Total responses = 647)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	64	1,892	10.5	(8.1-13.4)
Male	36	1,109	12.0	(8.5-16.7)
Female	28	783	8.9	(6.1-12.8)
Race/Ethnicity				
White (non-Hispanic)	44	1,342	10.3	(7.6-13.9)
Black (non-Hispanic)	10	*	*	*
Hispanic (any race)	7	*	*	*
Other race/ethnicity	3	*	*	*
School Grade				
9th grade	15	*	*	*
10th grade	16	*	*	*
11th grade	21	241	11.9	(7.7-17.9)
12th grade	12	*	*	*
Estimated grades in past year				
Mostly A's	16	*	*	*
Mostly B's	18	*	*	*
Mostly C's	13	*	*	*
Mostly D's or F's	6	*	*	*

*Too unreliable to report

Figure 37. Percent of high school students who reported they used synthetic marijuana (Spice, fake weed, K2, King Kong, Yucatan Fire, or Skunk), Knox County Schools, Tennessee, U.S., 2017: Knox County Schools, U.S., 2019



*Data for this variable were not available for Tennessee in 2019

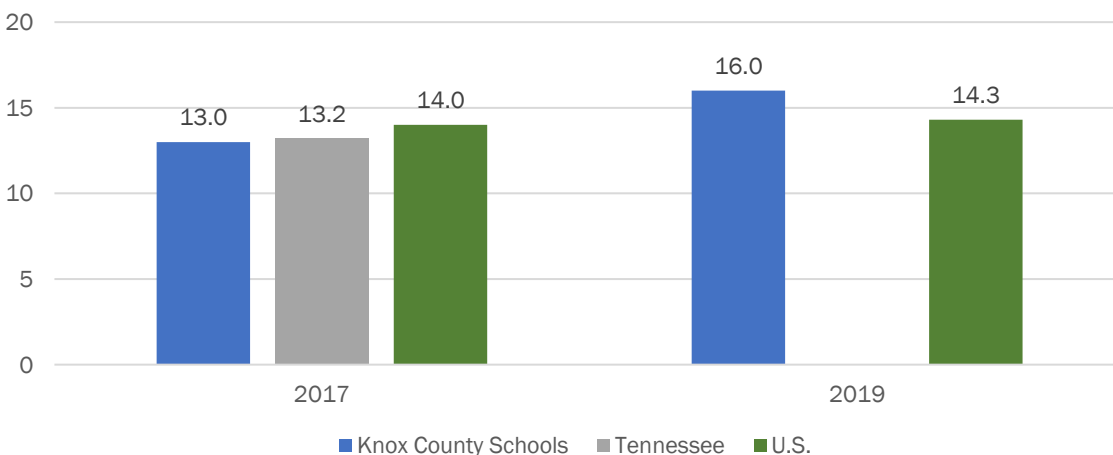
Table 38. Percent of Knox County Schools high school students who reported they took prescription pain medications without a doctor’s prescription or differently than how a doctor told them to take it, 2019

(Total responses = 645)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	96	2,887	16.0	(13.1-19.5)
Male	48	1,502	16.3	(12.2-21.6)
Female	48	1,385	15.8	(12.0-20.5)
Race/Ethnicity				
White (non-Hispanic)	67	2,150	16.6	(13.1-20.9)
Black (non-Hispanic)	12	*	*	*
Hispanic (any race)	11	*	*	*
Other race/ethnicity	6	*	*	*
School Grade				
9th grade	23	585	12.7	(8.5-18.5)
10th grade	24	672	14.7	(10.0-21.1)
11th grade	25	586	12.9	(8.8-18.6)
12th grade	24	1,044	24.4	(16.4-34.7)
Estimated grades in past year				
Mostly A's	33	912	11.3	(8.0-15.8)
Mostly B's	27	958	18.2	(12.5-25.9)
Mostly C's	19	*	*	*
Mostly D's or F's	7	*	*	*

*Too unreliable to report

Figure 38. Percent of high school students who reported they took prescription pain medication without a doctor’s prescription, Knox County Schools, Tennessee, U.S., 2017; Knox County Schools, U.S., 2019



*Data for this variable were not available for Tennessee in 2019

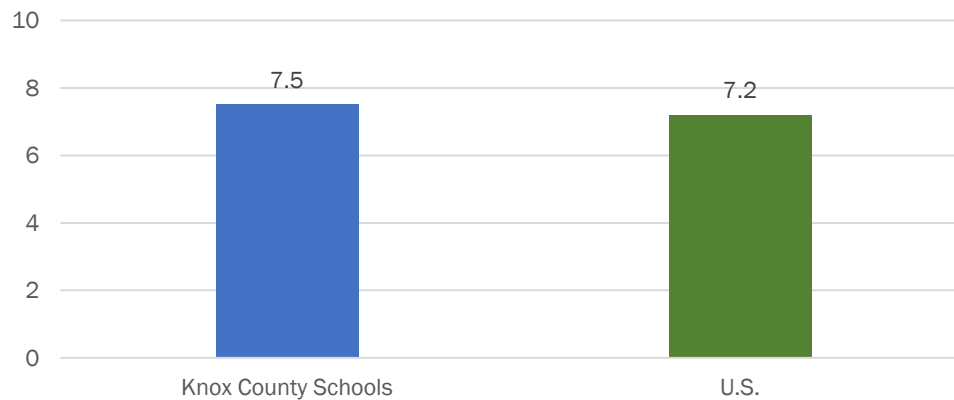
Table 39. Percent of Knox County Schools high school students who reported they took a prescription pain medication without a physician’s prescription during the past 30 days (current users), 2019

(Total responses = 644)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	50	1,352	7.5	(5.6-10.0)
Male	30	833	9.1	(6.1-13.2)
Female	20	519	5.9	(3.8-9.1)
Race/Ethnicity				
White (non-Hispanic)	31	924	7.1	(4.9-10.2)
Black (non-Hispanic)	9	*	*	*
Hispanic (any race)	8	*	*	*
Other race/ethnicity	2	*	*	*
School Grade				
9th grade	12	*	*	*
10th grade	12	*	*	*
11th grade	16	*	*	*
12th grade	10	*	*	*
Estimated grades in past year				
Mostly A's	13	*	*	*
Mostly B's	13	*	*	*
Mostly C's	15	*	*	*
Mostly D's or F's	5	*	*	*

*Too unreliable to report

Figure 39. Percent of high school students who reported they took a prescription pain medication without a doctor’s prescription during the past 30 days (current users), Knox County Schools, U.S., 2019



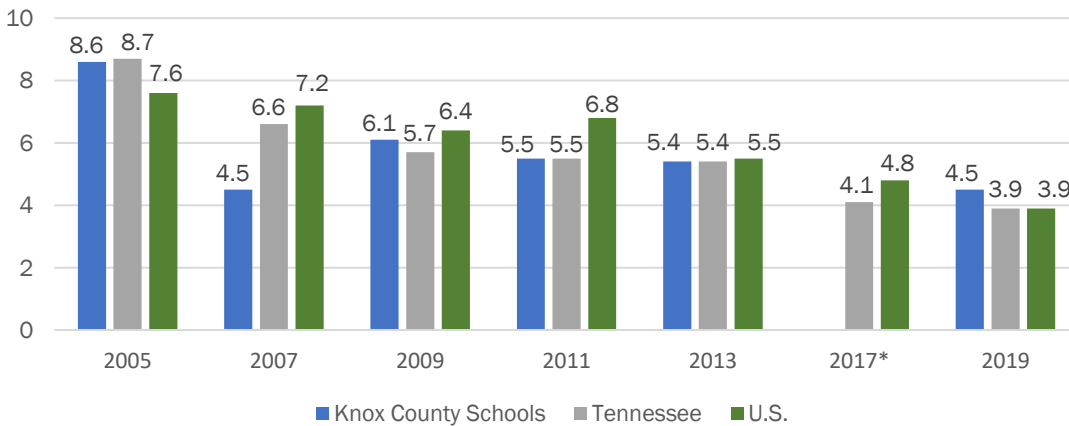
*Data for this variable were not available for Tennessee in 2019

Table 40. Percent of Knox County Schools high school students who reported they used cocaine, including powder, crack, or freebase forms, 2019
(Total responses = 645)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	28	802	4.5	(3.0-6.5)
Male	14	*	*	*
Female	14	*	*	*
Race/Ethnicity				
White (non-Hispanic)	16	*	*	*
Black (non-Hispanic)	3	*	*	*
Hispanic (any race)	6	*	*	*
Other race/ethnicity	3	*	*	*
School Grade				
9th grade	9	*	*	*
10th grade	7	*	*	*
11th grade	4	*	*	*
12th grade	8	*	*	*
Estimated grades in past year				
Mostly A's	9	*	*	*
Mostly B's	5	*	*	*
Mostly C's	7	*	*	*
Mostly D's or F's	2	*	*	*

*Too unreliable to report

Figure 40. Percent of high school students who reported they used cocaine, including powder, crack, or freebase forms, Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013, 2017; Tennessee, U.S., 2017; Knox County Schools, Tennessee, U.S., 2019



*Data for this variable were not available for Knox County in 2017.

Table 41. Percent of Knox County Schools high school students who reported they sniffed glue, inhaled aerosols or paints or sprays to get high, 2019
(Total responses = 646)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	56	1,504	8.3	(6.4-10.8)
Male	30	801	8.7	(6.0-12.5)
Female	26	703	8.0	(5.4-11.6)
Race/Ethnicity				
White (non-Hispanic)	39	1,104	8.5	(6.2-11.6)
Black (non-Hispanic)	6	*	*	*
Hispanic (any race)	7	*	*	*
Other race/ethnicity	4	*	*	*
School Grade				
9th grade	21	531	11.5	(7.5-17.2)
10th grade	17	*	*	*
11th grade	13	*	*	*
12th grade		*	*	*
Estimated grades in past year				
Mostly A's	20	542	6.7	(4.3-10.3)
Mostly B's	17	*	*	*
Mostly C's	6	*	*	*
Mostly D's or F's	3	*	*	*

*Too unreliable to report

Figure 41. Percent of high school students who reported they sniffed glue, inhaled aerosols or paints or sprays to get high, Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013, 2017, 2019

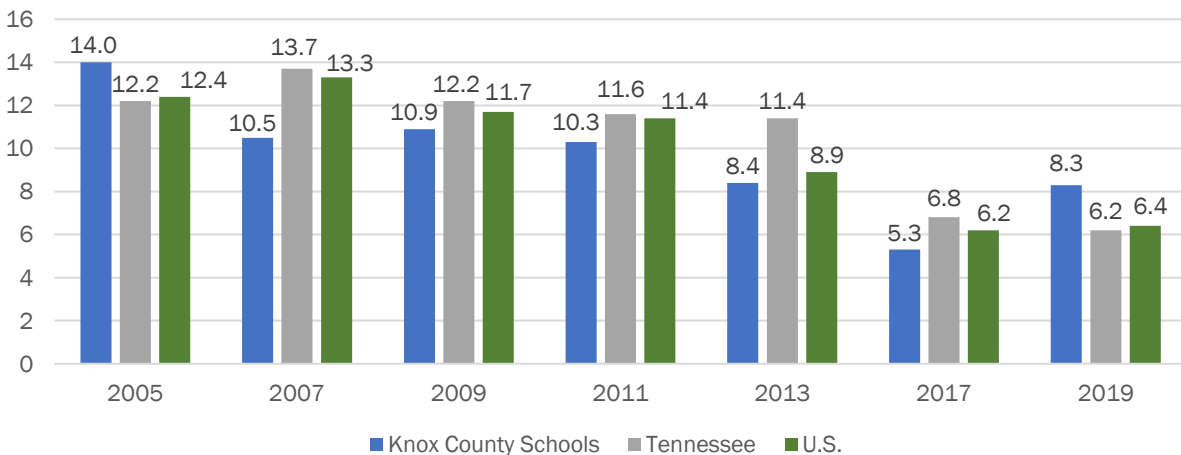
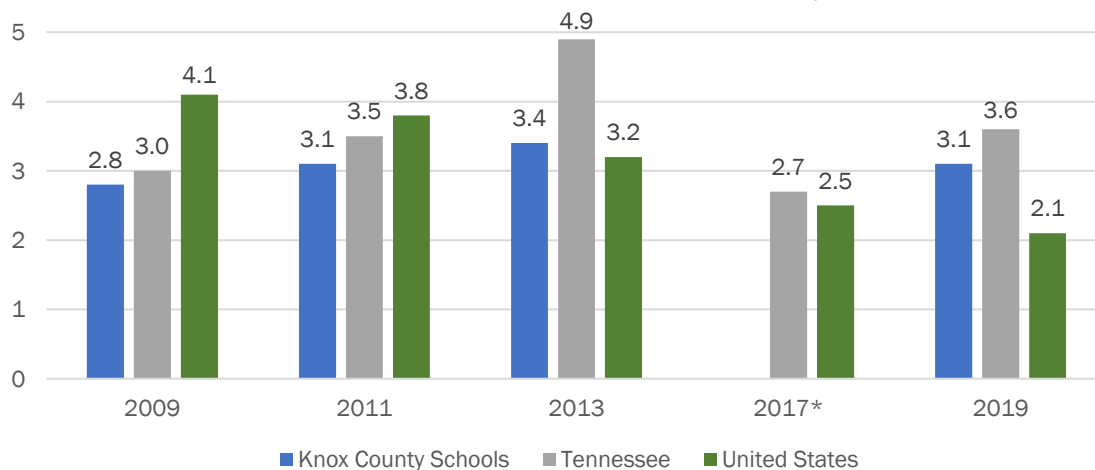


Table 42. Percent of Knox County Schools high school students who reported they used methamphetamines, 2019
(Total responses = 648)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	20	560	3.1	(1.9-4.9)
Male	15	*	*	*
Female	6	*	*	*
Race/Ethnicity				
White (non-Hispanic)	10	*	*	*
Black (non-Hispanic)	3	*	*	*
Hispanic (any race)	4	*	*	*
Other race/ethnicity	3	*	*	*
School Grade				
9th grade	6	*	*	*
10th grade	5	*	*	*
11th grade	4	*	*	*
12th grade	5	*	*	*
Estimated grades in past year				
Mostly A's	6	*	*	*
Mostly B's	6	*	*	*
Mostly C's	3	*	*	*
Mostly D's or F's	2	*	*	*

*Too unreliable to report

Figure 42. Percent of high school students who reported they used methamphetamines, Knox County Tennessee, U.S., 2009, 2011, 2013; Tennessee, U.S., 2017, Knox County Schools, Tennessee, U.S., 2019



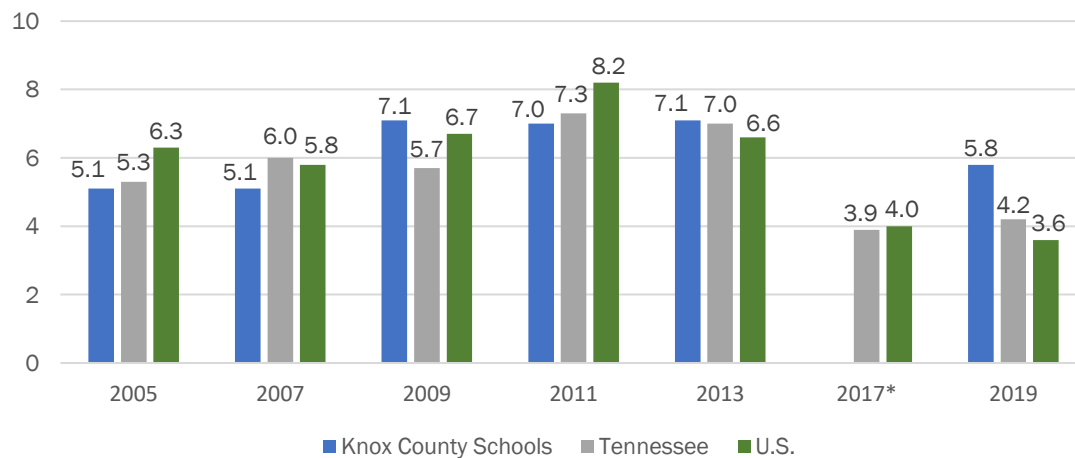
*The results for this variable were too unreliable to report for Knox County Schools in 2017.

Table 43. Percent of Knox County Schools high school students who reported they used ecstasy (MDMA), 2019
(Total responses = 646)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	39	1,045	5.8	(4.2-8.0)
Male	19	*	*	*
Female	20	491	5.3	(3.3-8.6)
Race/Ethnicity				
White (non-Hispanic)	20	628	4.8	(3.1-7.6)
Black (non-Hispanic)	4	*	*	*
Hispanic (any race)	10	*	*	*
Other race/ethnicity	5	*	*	*
School Grade				
9th grade	9	*	*	*
10th grade	9	*	*	*
11th grade	11	*	*	*
12th grade	10	*	*	*
Estimated grades in past year				
Mostly A's	12	*	*	*
Mostly B's	13	*	*	*
Mostly C's	4	*	*	*
Mostly D's or F's	3	*	*	*

*Too unreliable to report

Figure 43. Percent of high school students who reported they used ecstasy (MDMA), Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013; Tennessee, U.S., 2017; Knox County Schools, Tennessee, U.S., 2019



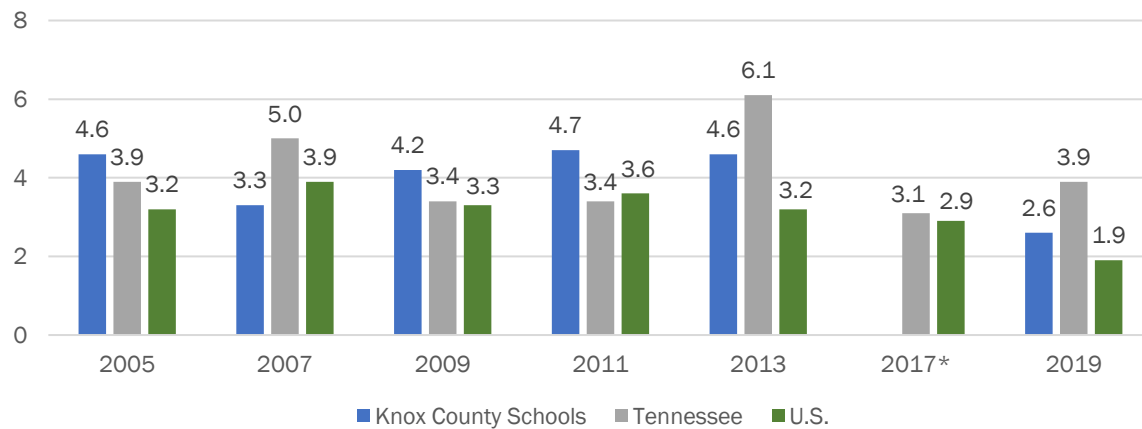
*The results for this variable were too unreliable to report for Knox County Schools in 2017.

Table 44. Percent of Knox County Schools high school students who reported they have taken steroid pills or shots without a doctor's prescription, 2019
(Total responses = 644)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	20	462	2.6	(1.6-4.0)
Male	8	*	*	*
Female	12	*	*	*
		*	*	*
Race/Ethnicity		*	*	*
White (non-Hispanic)	8	*	*	*
Black (non-Hispanic)	4	*	*	*
Hispanic (any race)	5	*	*	*
Other race/ethnicity	3	*	*	*
		*	*	*
School Grade		*	*	*
9th grade	7	*	*	*
10th grade	8	*	*	*
11th grade	3	*	*	*
12th grade	2	*	*	*
		*	*	*
Estimated grades in past year		*	*	*
Mostly A's	6	*	*	*
Mostly B's	6	*	*	*
Mostly C's	5	*	*	*
Mostly D's or F's	1	*	*	*

*Too unreliable to report

Figure 44. Percent of high school students who reported they taken steroid pills or shots without a doctor's prescription, Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013; Tennessee, U.S., 2017; Knox County Schools, Tennessee, U.S. 2019



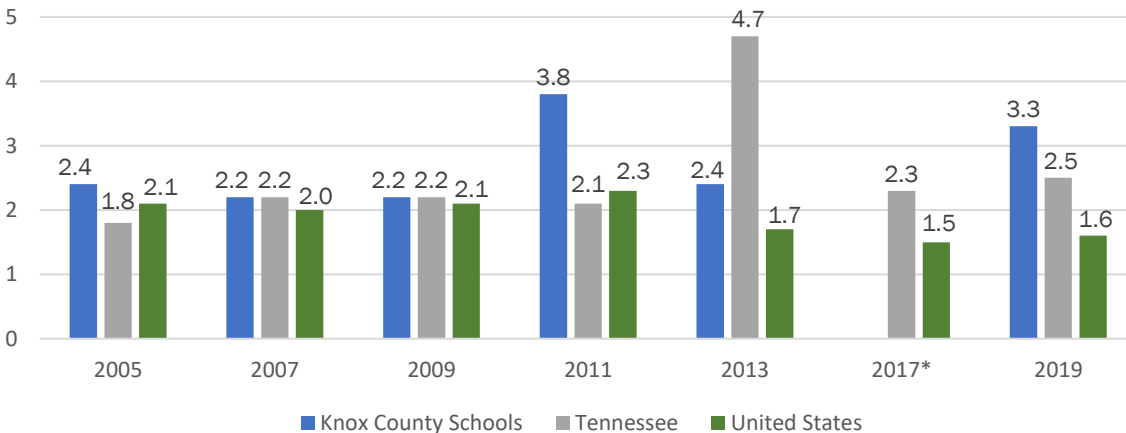
*The results for this variable were too unreliable to report for Knox County Schools in 2017.

Table 45. Percent of Knox County Schools high school students who reported they used a needle to inject an illegal drug, 2019
(Total responses = 654)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	20	590	3.3	(2.1-5.2)
Male	9	*	*	*
Female	11	*	*	*
Race/Ethnicity				
White (non-Hispanic)	11	*	*	*
Black (non-Hispanic)	4	*	*	*
Hispanic (any race)	3	*	*	*
Other race/ethnicity	2	*	*	*
School Grade				
9th grade	5	*	*	*
10th grade	5	*	*	*
11th grade	6	*	*	*
12th grade	4	*	*	*
Estimated grades in past year				
Mostly A's	5	*	*	*
Mostly B's	7	*	*	*
Mostly C's	4	*	*	*
Mostly D's or F's	0	*	*	*

*Too unreliable to report

Figure 45. Percent of high school students who reported they used a needle to inject an illegal drug, Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013; Tennessee, U.S., 2017; Knox County Schools, Tennessee, U.S., 2019



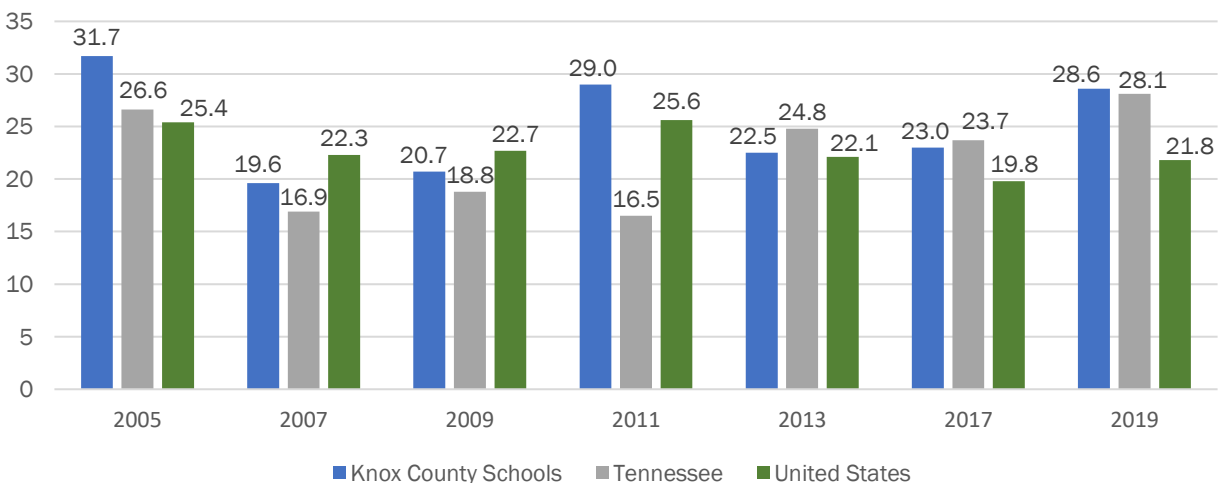
*The results for this variable were too unreliable to report for Knox County Schools in 2017.

Table 46. Percent of Knox County Schools high school students who reported they were offered, sold, or given an illegal drug on school property during the past 12 months, 2019
(Total responses = 638)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	178	5,093	28.6	(24.9-32.6)
Male	93	2,819	30.9	(25.5-37.0)
Female	85	2,274	26.1	(21.5-31.4)
Race/Ethnicity				
White (non-Hispanic)	119	3,689	28.7	(24.3-33.6)
Black (non-Hispanic)	27	804	30.4	(21.1-41.5)
Hispanic (any race)	20	392	29.5	(19.7-41.7)
Other race/ethnicity	12	*	*	*
School Grade				
9th grade	49	1,234	27.0	(20.9-34.1)
10th grade	51	1,387	30.5	(23.9-38.1)
11th grade	48	1,180	26.4	(20.3-33.6)
12th grade	30	1,292	30.5	(21.5-41.3)
Estimated grades in past year				
Mostly A's	76	2,111	26.3	(21.2-32.2)
Mostly B's	59	1,792	34.6	(27.3-42.7)
Mostly C's	22	611	25.5	(16.7-37.0)
Mostly D's or F's	5	*	*	*

**Too unreliable to report*

Figure 46. Percent of high school students who reported they were offered, sold, or given an illegal drug on school property during the past 12 months, Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013, 2017, 2019



Section 3:
Weight Control, Diet, and Physical Activity

Table 47. Percent of Knox County Schools high school students who described their weight as slightly overweight or very overweight, 2019
(Total responses = 639)

(Total responses = 639)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	187	5,368	30.1	(26.4-34.2)
Male	88	2,637	28.8	(23.5-34.7)
Female	99	2,731	31.6	(26.5-37.1)
Race/Ethnicity				
White (non-Hispanic)	129	4,056	31.4	(26.9-36.3)
Black (non-Hispanic)	21	589	22.7	(14.8-33.3)
Hispanic (any race)	20	351	26.8	(17.6-38.5)
Other race/ethnicity	17	*	*	*
School Grade				
9th grade	57	1,425	31.2	(24.8-38.5)
10th grade	46	1,244	27.4	(21.0-34.9)
11th grade	46	1,032	23.1	(17.5-29.8)
12th grade	39	1,668	39.3	(29.6-50.0)
Estimated grades in past year				
Mostly A's	86	2,402	29.8	(24.5-35.8)
Mostly B's	54	1,624	30.9	(24.0-38.8)
Mostly C's	29	874	35.6	(25.4-47.4)
Mostly D's or F's	9	*	*	*

*Too unreliable to report

Figure 47. Percent of high school students who described their weight as slightly overweight or very overweight, Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013, 2017, 2019

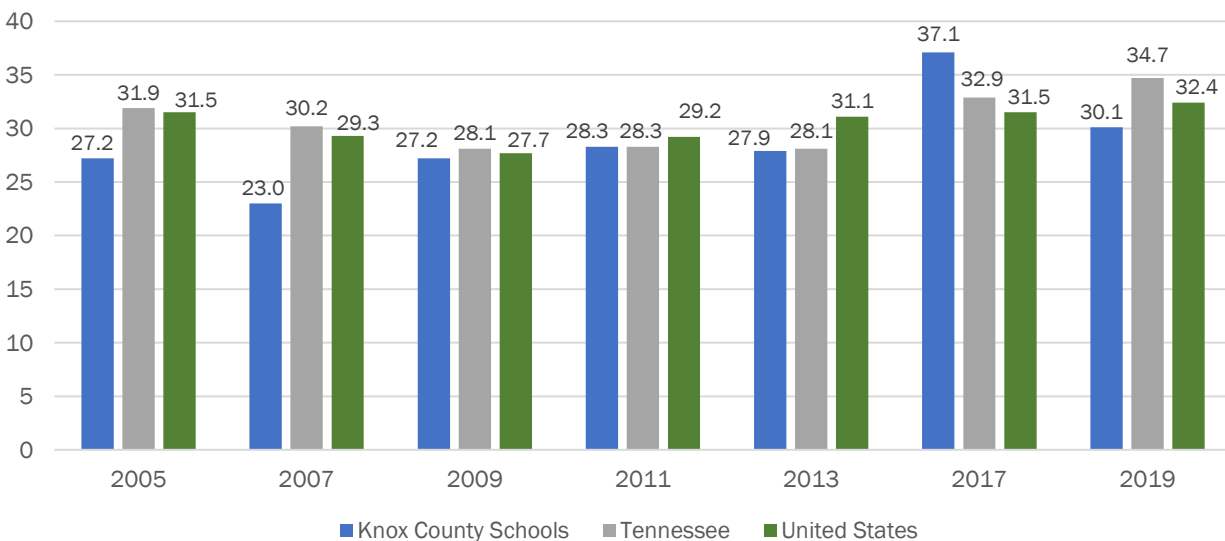


Table 48. Percent of Knox County Schools high school students who reported they are trying to lose weight, 2019
(Total responses = 639)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	304	8,457	47.6	(43.4-51.7)
Male	117	3,418	37.8	(32.0-43.9)
Female	187	5,039	57.7	(52.0-63.2)
Race/Ethnicity				
White (non-Hispanic)	213	6,223	48.4	(43.9-53.4)
Black (non-Hispanic)	41	1,307	50.3	(38.7-61.9)
Hispanic (any race)	29	505	38.9	(28.0-51.0)
Other race/ethnicity	21	422	41.4	(28.3-55.9)
School Grade				
9th grade	96	2,417	53.4	(45.9-60.7)
10th grade	69	1,878	41.6	(34.1-49.5)
11th grade	91	2,102	46.6	(39.2-54.1)
12th grade	48	2,060	48.7	(38.4-59.1)
Estimated grades in past year				
Mostly A's	144	3,887	48.0	(41.8-54.2)
Mostly B's	88	2,602	49.6	(49.6-41.8)
Mostly C's	39	1,058	44.6	(44.6-33.9)
Mostly D's or F's	13	*	*	*

*Too unreliable to report

Figure 48. Percent of high school students who reported they are trying to lose weight, Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013, 2017, 2019

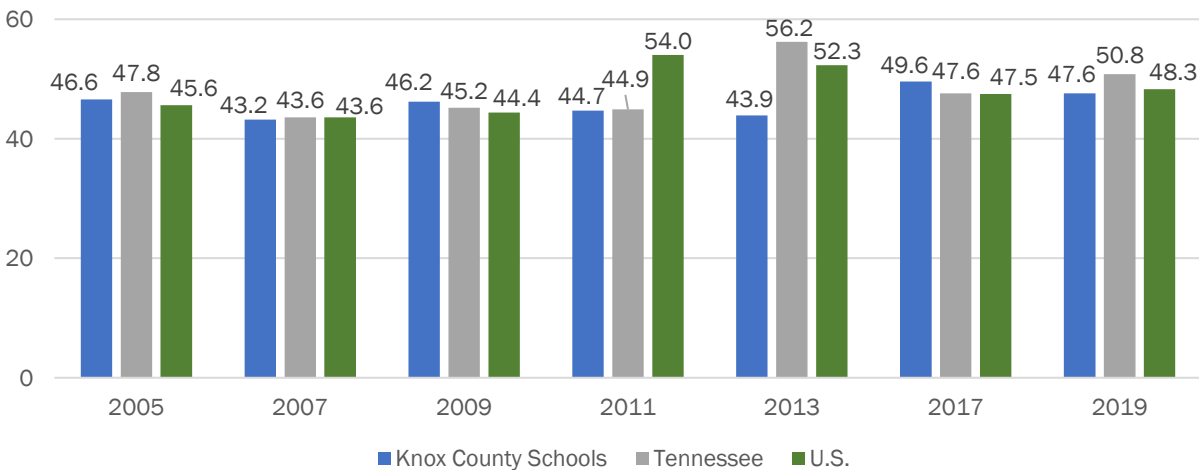


Table 49. Percent of Knox County Schools high school students who reported they drank two or more sodas (not counting diet sodas) every day for the past seven days, 2019
(Total responses = 640)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	116	3,187	17.9	(14.9-21.2)
Male	55	1,544	17.0	(13.0-21.9)
Female	61	1,643	18.8	(14.8-23.7)
Race/Ethnicity				
White (non-Hispanic)	89	2,553	19.8	(16.2-24.0)
Black (non-Hispanic)	14	*	*	*
Hispanic (any race)	8	*	*	*
Other race/ethnicity	5	*	*	*
School Grade				
9th grade	31	814	17.9	(12.8-24.5)
10th grade	34	945	20.9	(15.3-28.0)
11th grade	36	848	18.8	(13.6-25.3)
12th grade	15	*	*	*
Estimated grades in past year				
Mostly A's	31	812	10.1	(7.1-14.2)
Mostly B's	33	994	18.9	(13.4-26.0)
Mostly C's	25	682	27.8	(19.0-38.8)
Mostly D's or F's	9	*	*	*

*Too unreliable to report

Figure 49. Percent of high school students who reported they drank two or more sodas (not counting diet soda) every day during the past seven days, Knox County Schools, Tennessee, U.S., 2013, 2017, 2019

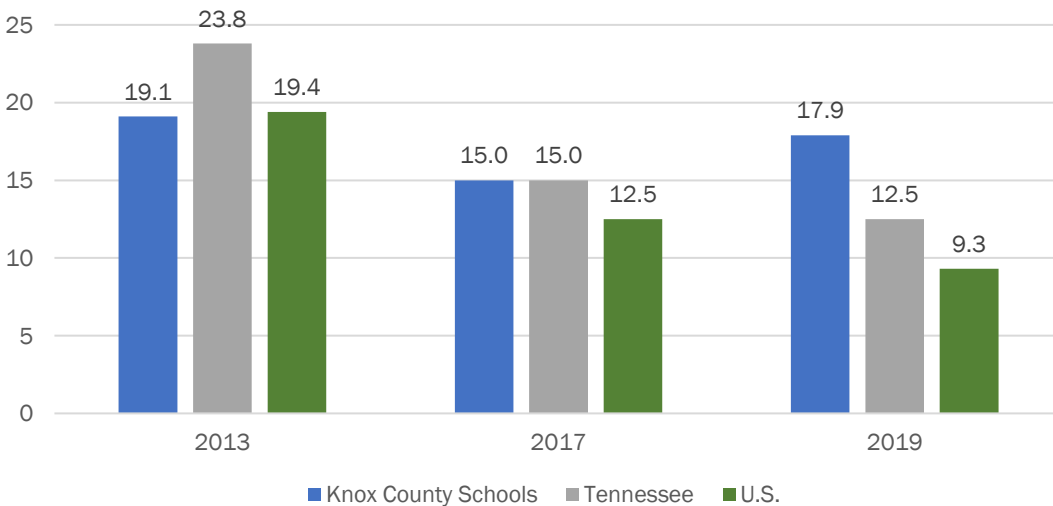
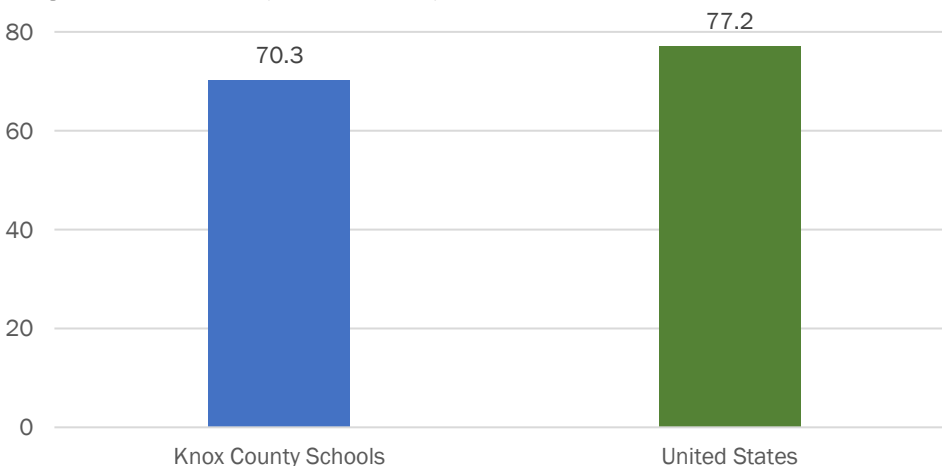


Table 50. Percent of Knox County Schools high school students who reported they drank plain water one or more times every day during the past seven days, 2019
(Total responses = 639)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	439	12,504	70.3	(66.4-73.9)
Male	220	6,500	71.5	(65.9-76.5)
Female	219	6,004	69.0	(63.5-73.9)
Race/Ethnicity				
White (non-Hispanic)	309	9,289	72.4	(67.8-76.5)
Black (non-Hispanic)	47	1,640	62.4	(51.0-72.7)
Hispanic (any race)	47	899	67.1	(55.2-77.1)
Other race/ethnicity	36	675	68.1	(53.1-80.1)
School Grade				
9th grade	121	3,009	65.9	(58.6-72.6)
10th grade	111	3,171	70.6	(63.0-77.1)
11th grade	126	3,034	67.0	(59.6-73.7)
12th grade	81	3,299	78.1	(68.5-85.4)
Estimated grades in past year				
Mostly A's	199	5,684	71.0	(65.2-76.2)
Mostly B's	126	3,765	71.8	(65.4-78.2)
Mostly C's	62	1,693	69.0	(58.0-78.2)
Mostly D's or F's	21	557	66.8	(48.2-81.3)

*Too unreliable to report

Figure 50. Percent of high school students who reported they drank plain water one or more times every day during the past seven days, Knox County Schools, U.S., 2019



*Data for this variable were not available for Tennessee in 2019.

Table 51. The number of days spent exercising for at least 60 minutes during the past week reported by Knox County Schools high school students in 2019: Percent

(Total responses = 639)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
0 days	105	2,850	16.0	(12.2-19.2)
1 day	57	1,532	8.6	(6.3-10.8)
2 days	86	2,320	13.0	(9.6-15.0)
3 days	79	2,195	12.3	(9.6-15.0)
4 days	61	1,915	10.7	(7.9-13.6)
5 days	87	2,338	13.1	(10.3-15.8)
6 days	40	1,057	5.9	(4.0-7.8)
7 days	124	3,651	20.4	(17.2-24.1)

Figure 51. The number of days spent exercising for at least 60 minutes during the past week reported by Knox County high school students in 2017 and 2019: Percent

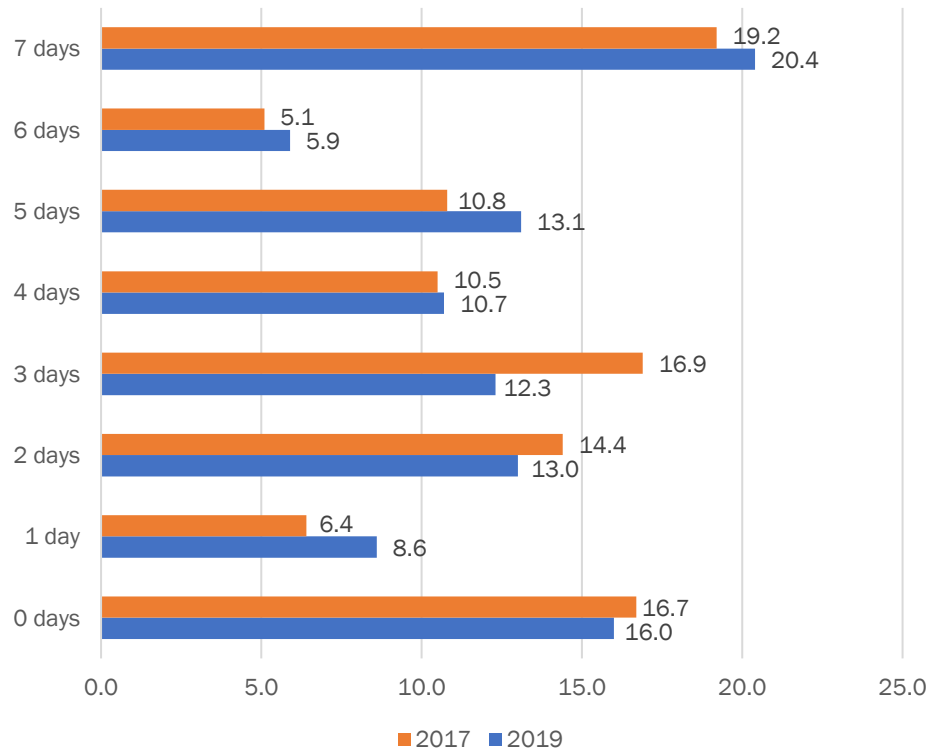


Table 52. Percent of Knox County Schools high school students who reported they did not participate in physical activity that lasted at least 60 minutes during the past seven days, 2019
(Total responses = 639)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	105	2,850	16.0	(12.2-19.2)
Male	44	1,215	13.3	(9.7-17.9)
Female	61	1,635	18.8	(14.7-23.8)
Race/Ethnicity				
White (non-Hispanic)	64	1,889	14.7	(11.5-18.6)
Black (non-Hispanic)	14	*	*	*
Hispanic (any race)	17	*	*	*
Other race/ethnicity	10	*	*	*
School Grade				
9th grade	25	67	13.3	(9.0-19.1)
10th grade	25	654	14.4	(9.8-20.6)
11th grade	29	713	15.7	(10.8-22.2)
12th grade	26	883	20.8	(13.8-30.1)
Estimated grades in past year				
Mostly A's	58	1,546	19.1	(14.8-24.3)
Mostly B's	20	588	11.2	(7.0-17.3)
Mostly C's	15	*	*	*
Mostly D's or F's	3	*	*	*

*Too unreliable to report

Figure 52. Percent of high school students who reported they did not participate in physical activity that lasted at least 60 minutes during the past seven days, Knox County Schools, Tennessee, U.S., 2011, 2013, 2017, 2019

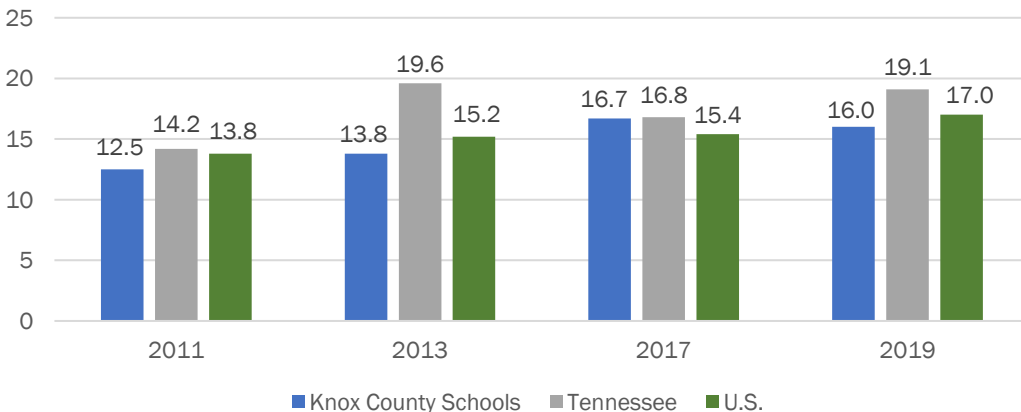


Table 53. Percent of Knox County Schools high school students who reported they participated in physical activity that lasted at least 60 minutes on every day of the past seven days, 2019
(Total responses = 639)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	124	3,651	20.4	(17.2-24.1)
Male	87	2,551	27.9	(22.7-33.6)
Female	37	1,100	12.7	(9.2-17.2)
Race/Ethnicity				
White (non-Hispanic)	83	2,501	19.4	(15.8-23.7)
Black (non-Hispanic)	20	751	28.3	(18.7-40.5)
Hispanic (any race)	13	*	*	*
Other race/ethnicity	8	*	*	*
School Grade				
9th grade	30	718	15.8	(11.1-22.0)
10th grade	43	1,318	29.0	(22.2-37.0)
11th grade	31	634	18.4	(13.1-25.2)
12th grade	20	781	18.4	(11.6-27.9)
Estimated grades in past year				
Mostly A's	54	1,622	20.1	(15.4-25.7)
Mostly B's	35	1,055	20.1	(10.3-27.7)
Mostly C's	15	*	*	*
Mostly D's or F's	9	*	*	*

*Too unreliable to report

Figure 53. Percent of high school students who reported they participated in physical activity for at least 60 minutes on every day of the past seven days, Knox County Schools, Tennessee, U.S., 2013, 2017, 2019; Healthy People 2020 Objective PA-3.1

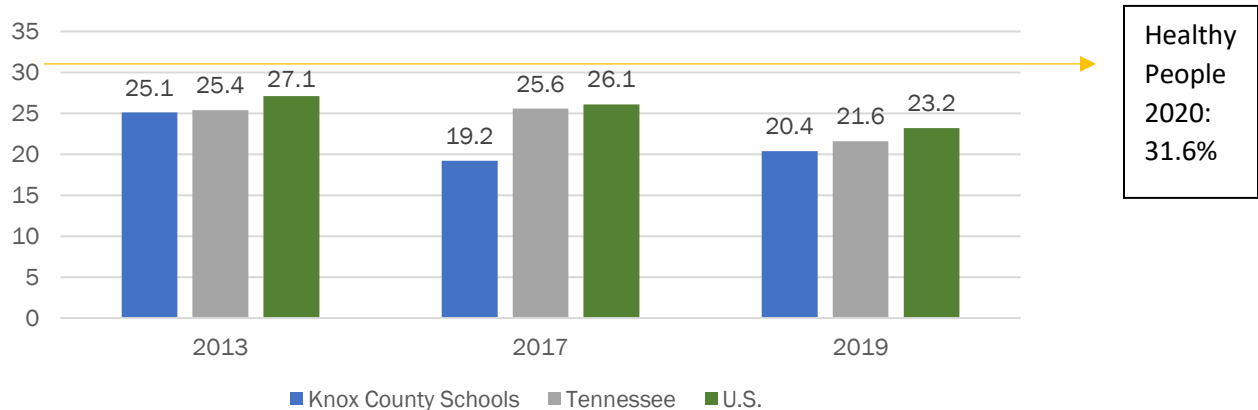


Table 54. Average number of hours spent watching television during school days reported by Knox County Schools high school students in 2019: Percent
(Total responses = 639)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Zero hours	149	4,161	23.3	(19.8-26.8)
Less than one hour per school day	127	3,425	19.2	(16.0-22.4)
One hour per school day	91	2,537	14.2	(11.3-17.1)
Two hours per school day	118	3,436	19.3	(15.9-22.7)
Three hour per school day	78	2,093	11.7	(9.1-14.4)
Four hours per school day	21	563	3.2	(1.8-4.6)
Five or more hours per day	55	1,627	9.1	(6.6-11.7)

Figure 54. Average number of hours spent watching television during school days reported by Knox County Schools high school students in 2019: Percent

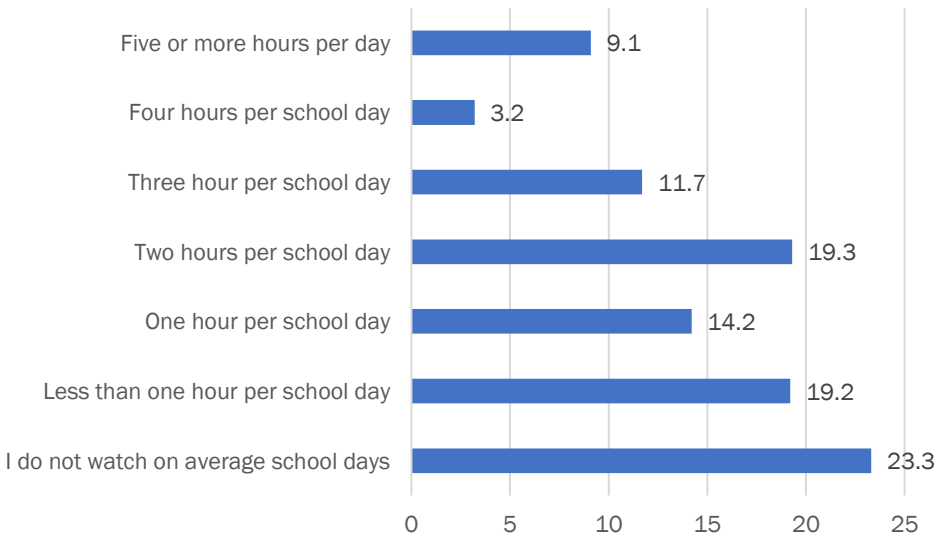


Table 55. Percent of Knox County Schools high school students who reported they watched television for three or more hours during average school days, 2019
(Total responses = 639)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	154	4,283	24.0	(20.6-27.9)
Male	67	1,898	20.8	(16.3-26.2)
Female	87	2,384	27.4	(22.5-32.8)
Race/Ethnicity				
White (non-Hispanic)	104	2,988	23.2	(19.3-27.7)
Black (non-Hispanic)	23	812	30.9	(21.0-43.0)
Hispanic (any race)	14	*	*	*
Other race/ethnicity	13	*	*	*
School Grade				
9th grade	43	1,013	22.4	(16.8-29.1)
10th grade	36	1,040	23.1	(17.0-30.5)
11th grade	54	1,349	29.7	(23.2-37.2)
12th grade	21	881	20.7	(13.7-30.6)
Estimated grades in past year				
Mostly A's	53	1,638	20.2	(15.4-26.0)
Mostly B's	44	1,203	22.8	(17.0-29.9)
Mostly C's	34	891	36.3	(26.4-47.5)
Mostly D's or F's	10	*	*	*

*Too unreliable to report

Figure 55. Percent of high school students who reported three or more hours of television watching on average school days, Knox County Schools, Tennessee, U.S., 2005, 2007, 2009, 2011, 2013, 2017, 2019; Healthy People 2020 Objective PA-8.2.3

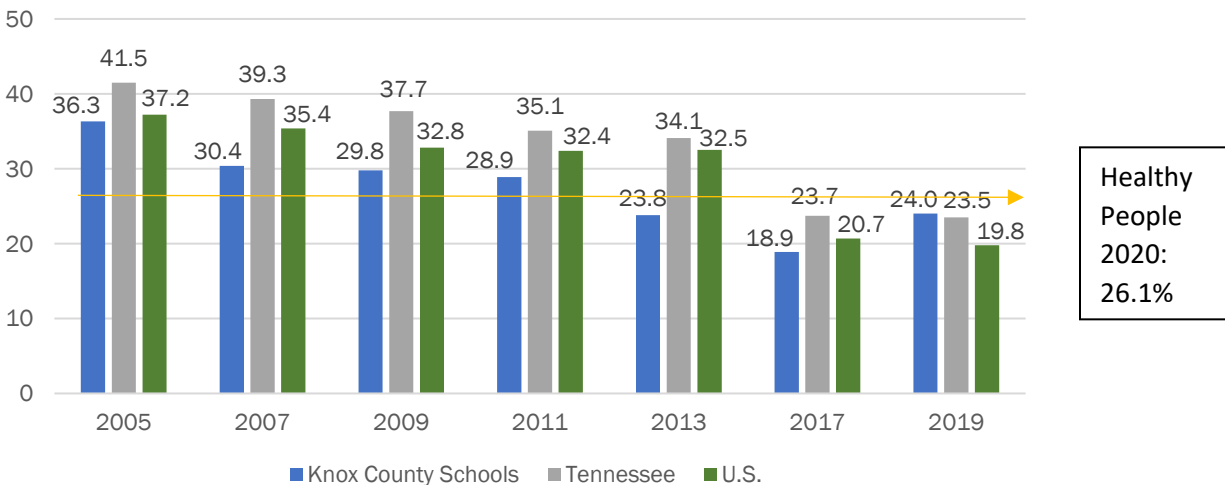


Table 56. Estimated number of hours spent playing video or computer games or using computers for non-academic reasons for three or more hours per day on school days reported by Knox County Schools high school students in 2019: Percent
(Total responses = 638)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Zero hours	118	3,318	18.3	(15.4-21.9)
Less than one hour per school day	84	2,304	12.9	(10.2-15.7)
One hour per school day	68	1,757	9.9	(7.4-12.3)
Two hours per school day	88	2,416	13.6	(10.8-16.4)
Three hour per school day	87	2,485	14.0	(11.0-12.6)
Four hours per school day	61	1,776	10.0	(7.4-12.6)
Five or more hours per day	132	3,749	21.1	(17.6-24.5)

Figure 56. Average number of hours spent playing video or computer games or using computers for non-academic reasons for three or more hours per day on school days among Knox County Schools high school students in 2019: Percent

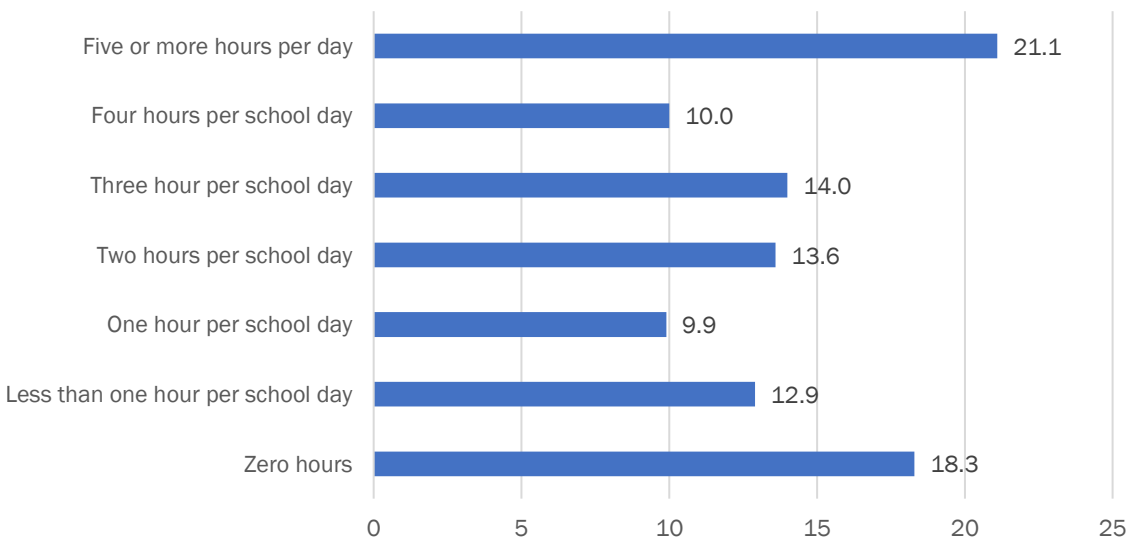


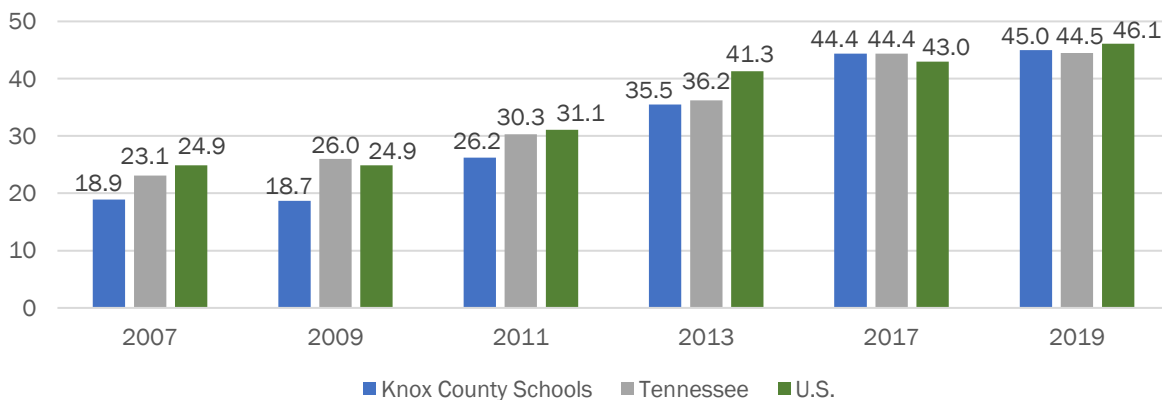
Table 57. Percent of Knox County Schools high school students who reported they played video or computer games or used a computer for non-academic reasons for three or more hours on school days, 2019

(Total responses = 638)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	280	8,011	45.0	(40.8-49.2)
Male	138	4,156	45.6	(39.6-51.8)
Female	142	3,856	44.3	(38.7-50.1)
Race/Ethnicity				
White (non-Hispanic)	196	5,940	46.2	(41.2-51.3)
Black (non-Hispanic)	35	1,162	44.2	(33.1-56.0)
Hispanic (any race)	30	551	40.9	(29.8-53.0)
Other race/ethnicity	19	*	*	*
School Grade				
9th grade	81	2,024	44.8	(37.5-52.3)
10th grade	74	2,024	45.1	(37.4-53.1)
11th grade	81	1,925	42.4	(35.3-50.0)
12th grade	44	2,038	47.8	(37.5-58.3)
Estimated grades in past year				
Mostly A's	111	3,529	40.2	(34.2-46.6)
Mostly B's	87	2,596	49.3	(41.5-57.2)
Mostly C's	47	1,262	52.6	(41.4-63.6)
Mostly D's or F's	14	*	*	*

*Too unreliable to report

Figure 57. Percent of high school students who reported they played video or computer games or used a computer for non-academic reasons for three or more hours on school days, Knox County Schools, Tennessee, U.S., 2019



Section 4:
Additional Health Topics

Table 58. Percent of Knox County Schools high school students who reported they had one or more concussions from being active during the past 12 months, 2019
(Total responses = 641)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	117	3,010	16.8	(12.4-20.6)
Male	64	1,600	17.6	(13.7-22.2)
Female	53	1,410	16.1	(12.4-20.6)
Race/Ethnicity				
White (non-Hispanic)	72	2,042	15.7	(12.5-19.5)
Black (non-Hispanic)	20	547	20.8	(13.5-30.7)
Hispanic (any race)	17	*	*	*
Other race/ethnicity	8	*	*	*
School Grade				
9th grade	48	1,200	26.4	(20.4-33.6)
10th grade	31	814	17.9	(12.8-25.5)
11th grade	25	586	12.9	(8.8-18.6)
12th grade	13	*	*	*
Estimated grades in past year				
Mostly A's	41	1,038	12.8	(9.4-17.1)
Mostly B's	41	1,101	20.9	(15.5-27.7)
Mostly C's	16	*	*	*
Mostly D's or F's	7	*	*	*

*Too unreliable to report

Figure 58. Percent of high school students who reported they have had one or more concussions from being active during the past 12 months, Knox County Schools, Tennessee, U.S., 2017, 2019

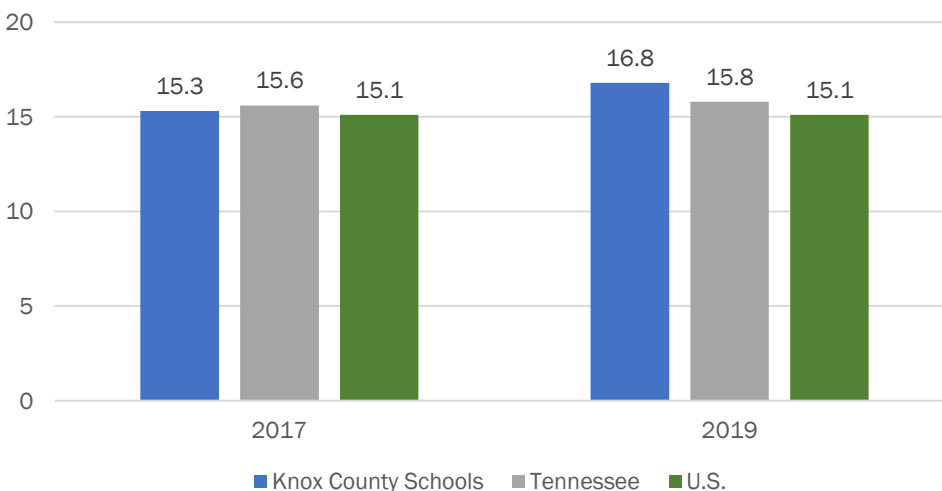


Table 59. Percent of Knox County Schools high school students who reported they have had an HIV test, 2019

(Total responses = 693)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	74	1,998	11.3	(9.0-14.1)
Male	33	868	9.7	(6.8-13.7)
Female	41	1,130	12.9	(9.5-17.3)
Race/Ethnicity				
White (non-Hispanic)	50	1,435	11.2	(8.5-14.6)
Black (non-Hispanic)	7	*	*	*
Hispanic (any race)	12	*	*	*
Other race/ethnicity	5	*	*	*
School Grade				
9th grade	24	600	13.5	(9.1-19.5)
10th grade	20	565	12.4	(8.1-18.6)
11th grade	18	*	*	*
12th grade	12	*	*	*
Estimated grades in past year				
Mostly A's	32	871	10.8	(7.7-15.1)
Mostly B's	10	*	*	*
Mostly C's	10	*	*	*
Mostly D's or F's	3	*	*	*

*Too unreliable to report

Figure 59. Percent of high school students who reported they have had an HIV test, Knox County Schools, Tennessee, U.S., 2017, 2019

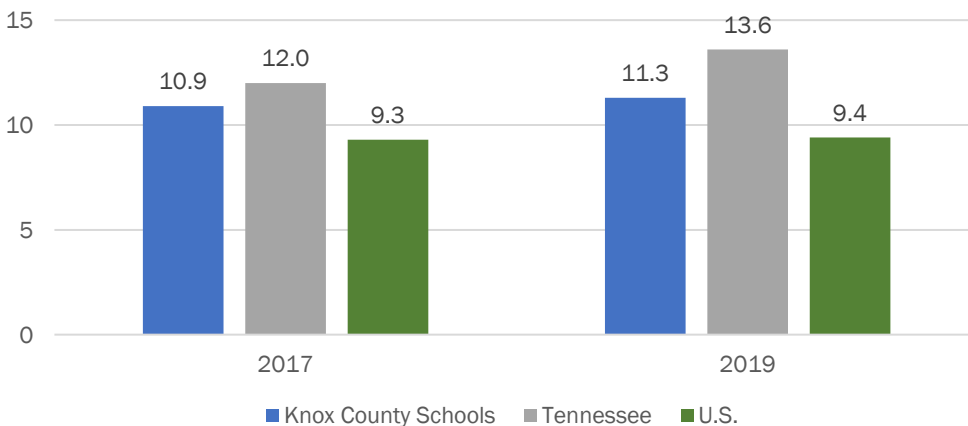


Table 60. Responses to the question ‘When was the last time you saw a dentist for a check-up, exam, teeth cleaning, or other dental work?’ among Knox County Schools high school students in 2019: Percent

(Total responses = 598)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
During the past 12 months	487	13,562	80.6	(76.8-83.9)
More than a year ago but less than two years	74	2,276	13.5	(10.7-17.0)
More than two years ago, or never saw a dentist	37	549	6.5	(4.1-10.1)

Figure 60. Responses to the question ‘When was the last time you saw a dentist for a check-up, exam, teeth cleaning, or other dental work?’ among Knox County Schools high school students in 2019: Percent

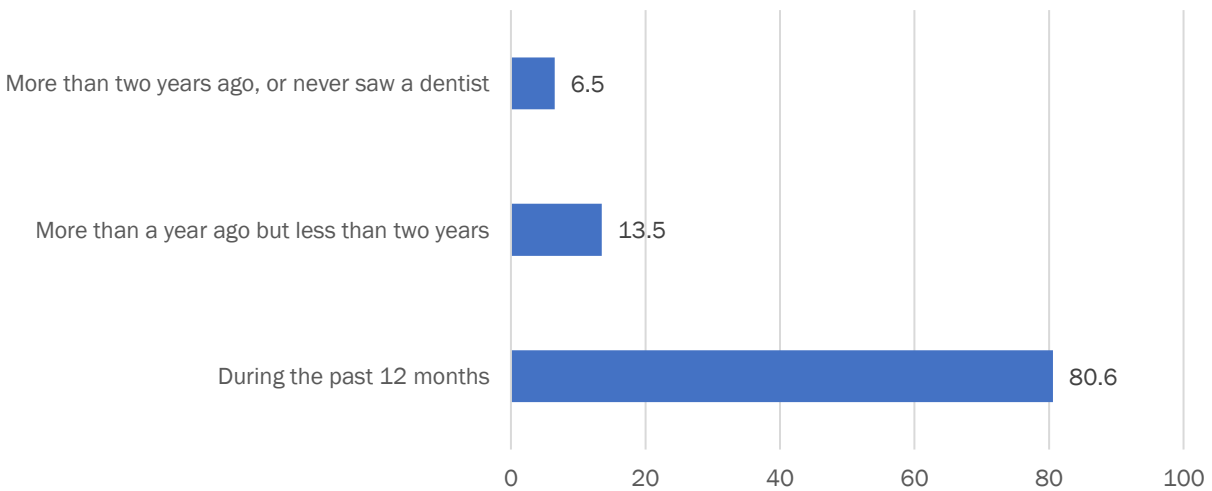
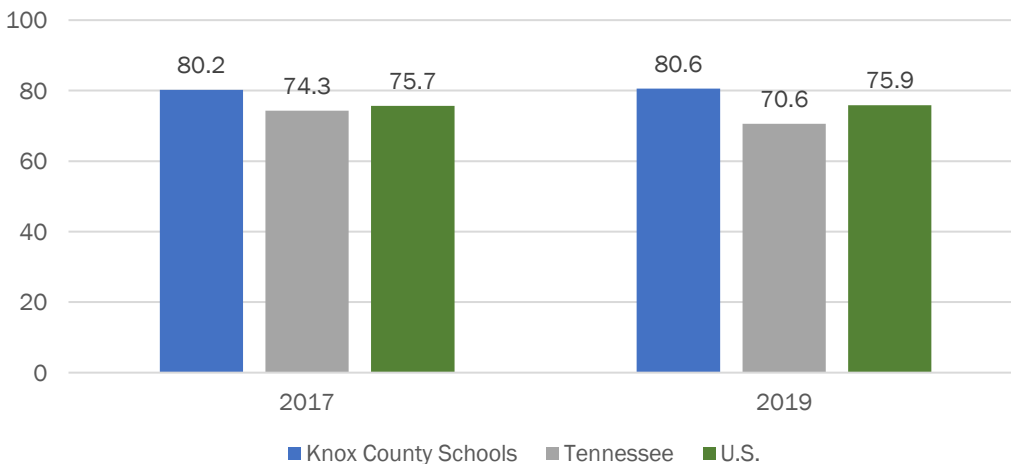


Table 61. Percent of Knox County Schools high school students who reported they saw a dentist for a check-up, exam, teeth cleaning, or other dental work during the past 12 months 2019
(Total responses = 598)

	Yes Responses	Weighted Yes Responses	Percentage	95% Confidence Intervals
Total	487	13,562	80.6	(76.8-83.9)
Male	234	6,891	81.1	(75.4-85.7)
Female	253	6,671	80.1	(74.8-84.6)
Race/Ethnicity				
White (non-Hispanic)	350	10,213	83.5	(79.0-87.1)
Black (non-Hispanic)	52	1,706	69.3	(57.1-79.3)
Hispanic (any race)	47	876	71.5	(59.0-81.4)
Other race/ethnicity	38	767	85.0	(70.4-93.1)
School Grade				
9th grade	133	3,352	80.1	(73.1-85.6)
10th grade	129	3,600	83.3	(76.4-88.5)
11th grade	151	3,584	85.5	(78.6-90.5)
12th grade	74	3,026	73.3	(62.9-81.7)
Estimated grades in past year				
Mostly A's	246	6,712	85.3	(79.6-89.6)
Mostly B's	136	4,004	80.4	(73.3-85.9)
Mostly C's	64	1,740	76.0	(64.4-84.7)
Mostly D's or F's	16	*	*	*

*Too unreliable to report

Figure 61. Percent of high school students who reported they saw a dentist for a check-up, exam, teeth cleaning, or other dental work during the past 12 months, Knox County Schools, Tennessee, U.S., 2017, 2019



ACKNOWLEDGEMENTS

The 2019 Knox County Youth Risk Behavior Survey was produced by a joint effort of the Knox County Health Department and Knox County Schools, with additional support from Metro Drug Coalition. We are especially grateful for the cooperation of participating school's administrative staff, teachers and students who collected the data.

The report may be downloaded at:

http://www.knoxcounty.org/health/epidemiology/reports_data.php

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