

Youth Risk Behavior Survey (YRBS) 2015

County-wide High School Results

Version 2

Introduction

The Youth Risk Behavior Survey (YRBS) is a survey that monitors health risk behaviors that contribute to the leading causes of death and disability among 9th-12th grade students. Topics include behaviors that contribute to unintentional injuries and violence, sexual behaviors, alcohol and drug use, tobacco use, unhealthy dietary behaviors, inadequate physical activity, and the prevalence of obesity and asthma.

This report describes county-wide results of the High School YRBS that was administered during Fall 2015 by the Clark County Combined Health District in collaboration with each individual school district and school to accomplish this goal.

Methods

A census was conducted on youth risk behavior with 4809 students across 10 high schools in Springfield:

School Name
Shawnee High School
Tecumseh High School
Northwestern Senior High School
Southeastern Sr. High School
Northeastern High School
CTC
Springfield High School
Greenon High School
Kenton Ridge High School
Catholic Central SR High 9-12

The survey was split into categories based on the topics they cover; these include driving habits, violence and weapon carrying, sexual violence, bullying, depression and suicide, tobacco, alcohol, marijuana, drugs, sexual behavior, body weight, dietary behavior, physical activity, and miscellaneous topics.

The data collection method in this census is not congruent with the CDC criteria for the YRBS, which suggests a random sample survey. **As a result, the data collected in this YRBS can only be compared with results from the 2017 Clark County YRBS. They cannot be compared with national or state level YRBS results.**

The overall response rate for high schools was (77.9%). The cutoff for a representative response rate was 65%, therefore this is considered a representative portion of the population. All incomplete or invalid responses were removed. The body mass index (BMI) for each student was calculated and values that were biologically implausible, as recommended by the CDC, were removed. Survey answers that were logically inconsistent with one another were also removed.

Demographic variables, such as age, sex, race, were reported. For the remaining variables, the count, percentage, and 95% confidence intervals were reported.

Key Findings:

Population Demographics

- 91% of respondents were 14 – 17 years old
- 99% of respondents were 9th to 12th grade
- 91% non-Hispanic
- 76% were White
- 49% Male and 50% Female

Body Mass Index (BMI)

- 24% of male students were obese
- 15% of female students were obese

Behavioral Data

Driving Habits:

- 60% rarely or never wore a helmet when riding a bicycle
- 19% rode in a car driven by someone who had been drinking alcohol in the past 30 days
- 18% texted or emailed while driving at least 1 day in the past 30

Violence and Weapon Carrying:

- 22% were involved in a physical fight in the past 12 months

Bullying:

- 22% were bullied on school property in the past 12 months
- 30% were bullied for their weight, size, or physical appearance in the past 30 days

Depression and Suicide:

- 32% felt sad or hopeless for two or more weeks in a row in the past 12 months
- 20% seriously considered attempting suicide in the past 12 months

Tobacco:

- 35% tried smoking a cigarette
- 13% smoked cigarettes at least 1 day in the past 30 days

Alcohol:

- 49% had at least one drink of alcohol in their life
- 25% had at least one drink on one day in the past 30 days

Marijuana:

- 31% had used marijuana at least once in their life
- 20% used marijuana at least once in the past 30 days

Drugs:

- 15% have taken non-prescribed pain medication or misused it at least once in their life
- 22% had been offered, sold, or given an illegal drug on school property

Sexual Behavior:

- 31% have had sexual intercourse in their life.
- 24% had sexual intercourse in the past 3 months

Body Weight:

- 14% fasted for 24 hours or more to lose or stop gaining weight in the last 30 days

Dietary Behavior:

- 23% had soda or pop at least once per day in the past 7 days
- 19% did not eat breakfast on at least 1 day in the past 7 days.

Physical Activity:

- 53% were active for 60 minutes per day on less than 5 days in the past week
- 40% spent at least 3 hours a day playing video or computer games on an average school day

Miscellaneous:

- 12% have not been taught about HIV or AIDS in school
- 70% rarely or never wore sunscreen when outside for more than an hour on a sunny day
- 25% have been told they have asthma

Results

Population Demographics

Categories	Count	Percentages
Age of Students		
12 years or younger	15	0.3%
13 years	25	0.5%
14 years	892	18.5%
15 years	1187	24.7%
16 years	1181	24.6%
17 years	1123	23.4%
18 years or older	265	5.5%
NA or did not answer	121	2.5%
Grade		
9th grade	1291	26.8%
10th grade	1212	25.2%
11th grade	1147	23.9%
12th grade	1087	22.6%
Ungraded or other	21	0.4%
NA or did not answer	51	1.1%
Hispanic or Latino		
Yes	307	6.4%
No	4389	91.3%
NA or did not answer	113	2.3%
Race		
Multi-race		
American Indian or Alaska Native	140	2.9%
Asian	62	1.3%
Black or African American	467	9.7%
Native Hawaiian or Other Pacific Islander	48	1.0%
White	3662	76.1%
NA or did not answer	430	8.9%
Sex		
Female	2392	49.7%
Male	2330	48.5%
NA or did not answer	87	1.8%

Body Mass Index (BMI)

Weight categories are defined by BMI percentiles. Please see Appendix I for definitions of weight categories by age group and gender.

Males

Weight Categories	Age															
	12 years and younger		13 years		14 years		15 years		16 years		17 years		18 years and older		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Underweight	0	0%	0	0%	9	2.9%	8	1.6%	23	4.5%	22	4.0%	13	6.3%	75	3.6%
Normal	1	25%	8	80%	181	58.0%	280	54.4%	298	57.9%	311	57.1%	115	56.1%	1194	56.7%
Overweight	0	0%	1	10%	50	16.0%	96	18.6%	74	14.4%	88	16.1%	30	14.6%	339	16.1%
Obese	3	75%	1	10%	72	23.1%	131	25.4%	120	23.3%	124	22.8%	47	22.9%	498	23.6%

Females

Weight Categories	Age															
	12 years and younger		13 years		14 years		15 years		16 years		17 years		18 years and older		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Underweight	0	0%	0	0%	1	0.3%	5	0.9%	11	1.9%	17	3.0%	9	5.5%	43	1.9%
Normal	1	25%	3	37.5%	253	64.5%	378	65.5%	396	68.6%	368	65.1%	104	63.4%	1503	65.7%
Overweight	1	25%	2	25%	75	19.1%	108	18.7%	94	16.3%	86	15.2%	24	14.6%	390	17.1%
Obese	2	50%	3	37.5%	63	16.1%	86	14.9%	76	13.2%	94	16.6%	27	16.5%	351	15.3%

Behavior Data*

Questions	Count	Percentage	95% CI
Driving Habits			
Rarely or never wore a helmet when riding a bicycle in the past 12 months	2894	60.2%	58.8% - 61.56%
Rarely or never wore a seat belt when riding a car driven by someone else	537	11.2%	10.28% - 12.06%
Rarely or never wore a seat belt when driving a car	202	4.2%	3.63% - 4.77%
Rode in a car driven by someone who had been drinking alcohol, at least once in the past 30 days	922	19.2%	18.06% - 20.29%
Drove a car after they had been drinking alcohol at least once in the past 30 days	184	3.8%	3.28% - 4.37%
Texted or emailed while driving at least once in the past 30 days	878	18.3%	17.17% - 19.35%
Violence and Weapon Carrying			
Carried a weapon (gun, knife, club) at least 1 day in the past 30 days	974	20.3%	19.12% - 21.39%
Carried a gun at least 1 day in the past 12 months	303	6.3%	5.61% - 6.99%
Carried a weapon on school property at least 1 day in the past 30 days	236	4.9%	4.3% - 5.52%
Did not go to school because they felt unsafe at least 1 day in the past 30 days	301	6.3%	5.57% - 6.94%
Threatened or injured with a weapon on school property at least once in the past 12 months	374	7.8%	7.02% - 8.53%
Involved in a physical fight at least once in the past 12 months	1039	21.6%	20.44% - 22.77%
Injured in a fight and had to be treated at least once in the past 12 months	207	4.3%	3.73% - 4.88%
Involved in a physical fight on school property at least once in the past 12 months	323	6.7%	6.01% - 7.42%
Physically harmed by parent, guardian, or adult at home at least once in the past 12 months	478	9.9%	9.09% - 10.79%
Sexual Violence			
Forced into having sexual intercourse	466	9.7%	8.85% - 10.53%
Physically hurt by someone they were dating at least once in the past 12 months	329	6.8%	6.13% - 7.55%
Forced into doing sexual things by someone they were dating at least once in the past 12 months	423	8.8%	8% - 9.6%
Bullying			
Bullied on school property in the past 12 months	1070	22.2%	21.07% - 23.43%
Electronically bullied in the past 12 months	840	17.5%	16.39% - 18.54%
Bullied for their weight, size, or physical appearance in the past 12 months	1427	29.7%	28.38% - 30.96%

*Percentages do not include missing and invalid entries.

Questions	Count	Percentage	95% CI
Family Interaction and Support			
Did not agree that parents or other adults had clear rules and consequences for behavior	390	8.1%	7.34% - 8.88%
Ate dinner at home with a parent or guardian 5 days or less in the past 7 days	2501	52.0%	50.59% - 53.42%
Has no adults aside from parents they are comfortable seeking help from	704	14.6%	13.64% - 15.64%
Depression and Suicide			
Felt sad or hopeless for two weeks or more in a row in the past 12 months	1538	32.0%	30.66% - 33.3%
Seriously considered attempting suicide in the past 12 months	956	19.9%	18.75% - 21.01%
Made a plan to attempt suicide in the past 12 months	798	16.6%	15.54% - 17.65%
Attempted suicide at least once in the past 12 months	408	8.5%	7.7% - 9.27%
Had to be treated after a suicide attempt in the past 12 months	186	3.9%	3.32% - 4.41%
Tobacco			
Tried smoking a cigarette	1692	35.2%	33.83% - 36.53%
Smoked a cigarette before age 13 years old	429	8.9%	8.12% - 9.73%
Smoked cigarettes at least 1 day in the past 30 days	611	12.7%	11.76% - 13.65%
Smoked cigarettes on at least 20 days in the past 30 days	210	4.4%	3.79% - 4.94%
Smoked more than 10 cigarettes per day in the past 30 days	70	1.5%	1.12% - 1.79%
Got their cigarettes from a convenience store, gas station, or grocery store in the past 30 days	154	3.2%	2.70% - 3.7%
Smoked on school property at least once in the past 30 days	193	4.0%	3.46% - 4.57%
Smoked cigarettes daily in the past 30 days	376	7.8%	7.06% - 8.58%
Used chewing tobacco, snuff, snus, etc. at least 1 day in the past 30 days	394	8.2%	7.42% - 8.97%
Smoked cigars, cigarillos, or little cigars at least 1 day in the past 30 days	542	11.3%	10.38% - 12.16%
Alcohol			
Had least one drink of alcohol 1 day or more in their life	2359	49.1%	47.64% - 50.47%
Had their first drink of alcohol before age 13 years old	719	15.0%	13.94% - 15.96%
Had at least one drink of alcohol on at least 1 day in the past 30 days	1190	24.7%	23.53% - 25.96%
Had 5 drinks or more in a row, 3 days or more in the past 30 days	281	5.8%	5.18% - 6.51%
Had 5 drinks or more in row in the past 30 days	547	11.4%	10.48% - 12.27%
Usually got their alcohol from someone else in the past 30 days	528	11.0%	10.1% - 11.86%
Marijuana			
Had used marijuana at least once in their life	1471	30.6%	29.29% - 31.89%
Tried marijuana for the first time before age 13 years old	430	8.9%	8.14% - 9.75%
Used marijuana at least once in the past 30 days	952	19.8%	18.67% - 20.92%

*Percentages do not include missing and invalid entries.

Questions	Count	Percentage	95% CI
Drugs			
Have used any form of cocaine at least once in their life	307	6.4%	5.69% - 7.07%
Have sniffed glue, aerosols, paints to get high at least once in their life	361	7.5%	6.76% - 8.25%
Have used heroin at least once in their life	210	4.4%	3.79% - 4.94%
Have used methamphetamines at least once in their life	195	4.1%	3.5% - 4.61%
Have used ecstasy at least once in their life	274	5.7%	5.04% - 6.35%
Have used hallucinogenic drugs at least once in their life	393	8.2%	7.4% - 8.95%
Have used non-prescribed steroid pills or shots at least once in their life	259	5.4%	4.75% - 6.02%
Have taken non-prescribed pain medication or misused it at least once in their life	733	15.2%	14.23% - 16.26%
Used a needle to inject an illegal drug at least once	206	4.3%	3.71% - 4.86%
Had been offered, sold, or given an illegal drug on school property	1063	22.1%	20.93% - 23.28%
Has used over-the-counter drugs to get high at least once in their life	366	7.6%	6.86% - 8.36%
Have used over-the-counter drugs to get high without knowing name or side-effects, at least once in their life	312	6.5%	5.79% - 7.18%
Got drugs and illegal substances from an under-age friend with connections	487	10.1%	9.27% - 10.98%
Sexual Behavior			
Have had sexual intercourse	1473	30.6%	29.33% - 31.93%
First had sexual intercourse before age 13 years old	201	4.2%	3.61% - 4.75%
Had sex with 4 or more people in their life	375	7.8%	7.04% - 8.56%
Had sex with at least one person in the past 3 months	1169	24.3%	23.1% - 25.52%
Used alcohol or drugs the last time before sex	301	6.3%	5.57% - 6.94%
Did not use a condom when they last had sex	785	16.3%	15.28% - 17.37%
Did not use any method to prevent pregnancy when they last had sex	256	5.3%	4.69% - 5.96%
Had oral sex	1776	36.9%	35.57% - 38.29%
Partner around the same age on the first time having sex	1274	26.5%	25.24% - 27.74%
Rarely or never used a condom when having sex in the past 3 months	561	11.7%	10.76% - 12.57%
Body Weight			
Self-describe as slightly or very overweight	1576	32.8%	31.45% - 34.1%
Not trying to do anything with their weight	925	19.2%	18.12% - 20.35%
Fasted for 24 hours or more to lose weight or stop gaining weight in the last 30 days	686	14.3%	13.28% - 15.25%
Took non-prescribed diet pills, powders, or liquids in the last 30 days	287	6.0%	5.3% - 6.64%
Vomited or took laxatives in the last 30 days	268	5.6%	4.92% - 6.22%

*Percentages do not include missing and invalid entries.

Questions	Count	Percentage	95% CI
Dietary Behavior			
Did not drink 100% fruit juice in the past 7 days	1456	30.3%	28.98% - 31.58%
Drank an energy drink at least once per day in the past 7 days	306	6.4%	5.67% - 7.05%
Did not eat fruit in the past 7 days	661	13.7%	12.77% - 14.72%
Did not eat green salad in the past 7 days	2066	43.0%	41.56% - 44.36%
Did not eat potatoes in the past 7 days	1606	33.4%	32.06% - 34.73%
Did not eat carrots in the past 7 days	2640	54.9%	53.49% - 56.30%
Did not eat other vegetables in the past 7 days	1051	21.9%	20.69% - 23.02%
Drank a soda or pop at least once per day in the past 7 days	1096	22.8%	21.60% - 23.98%
Did not drink a glass of milk at least once in the past 7 days	963	20.0%	18.89% - 21.16%
Did not eat breakfast on at least 1 day in the past 7 days	892	18.5%	17.45% - 19.65%
Physical Activity			
Were active for 20 minutes per day less than 5 days in the past 7 days	2325	48.3%	46.93% - 49.76%
Were active for 60 minutes per day less than 5 days in the past 7 days	2561	53.3%	51.84% - 54.66%
Spent at least 3 hours a day watching TV on an average school day	954	19.8%	18.71% - 20.96%
Spent at least 3 hours a day playing video or computer games on an average school day	1928	40.1%	38.71% - 41.48%
Do not go to PE classes at school in an average week	3370	70.1%	68.78% - 71.37%
Did not go to PE classes at school every day of the school week	3707	77.1%	75.90% - 78.27%
Do not play on any sports teams in the past 12 months	1855	38.6%	37.2% - 39.95%
Miscellaneous			
Have not been taught about HIV or AIDS in school	562	11.7%	10.78% - 12.59%
Rarely or never wore sunscreen when outside for more than an hour on a sunny day	3367	70.0%	68.72% - 71.31%
Used an indoor tanning device at least once in the past 12 months	686	14.3%	13.28% - 15.25%
Have been told they have asthma by a doctor or nurse	1211	25.2%	23.96% - 26.41%
Still have asthma	774	16.1%	15.06% - 17.13%
Get 4 hours or less of sleep on a school night	448	9.3%	8.49% - 10.14%
Have not had a check-up or physical exam at least once in 12 months	1097	22.8%	21.63% - 24%
Have not seen a dentist at least once in 12 months	1069	22.2%	21.05% - 23.40%

*Percentages do not include missing and invalid entries.

Appendix I: Weight Category Definitions

Weight categories are defined by BMI percentiles.

Males

Weight Categories	Age						
	12 years and younger	13 years	14 years	15 years	16 years	17 years	18 years and older
Underweight	$x < 15$	$x < 15.4$	$x < 16$	$x < 16.5$	$x < 17.2$	$x < 17.6$	$x < 18.2$
Normal	$15 \leq x < 21$	$15.4 \leq x < 21.8$	$16 \leq x < 22.6$	$16.5 \leq x < 23.4$	$17.2 \leq x < 24.2$	$17.6 \leq x < 24.8$	$18.2 \leq x < 25.6$
Overweight	$21 \leq x < 24.2$	$21.8 \leq x < 25.2$	$22.6 \leq x < 26$	$23.4 \leq x < 26.8$	$24.2 \leq x < 27.5$	$24.8 \leq x < 28.2$	$25.6 \leq x < 28.8$
Obese	$24.2 \leq x$	$25.2 \leq x$	$26 \leq x$	$26.8 \leq x$	$27.5 \leq x$	$28.2 \leq x$	$28.8 \leq x$

Females

Weight Categories	Age						
	12 years and younger	13 years	14 years	15 years	16 years	17 years	18 years and older
Underweight	$x < 14.8$	$x < 15.2$	$x < 15.7$	$x < 16.3$	$x < 16.7$	$x < 17.2$	$x < 17.5$
Normal	$14.8 \leq x < 21.7$	$15.2 \leq x < 22.5$	$15.7 \leq x < 23.4$	$16.3 \leq x < 24$	$16.7 \leq x < 24.6$	$17.2 \leq x < 25.2$	$17.5 \leq x < 25.6$
Overweight	$21.7 \leq x < 25.2$	$22.5 \leq x < 26.2$	$23.4 \leq x < 27.2$	$24 \leq x < 28.1$	$24.6 \leq x < 28.8$	$25.2 \leq x < 29.6$	$25.6 \leq x < 30.2$
Obese	$25.2 \leq x$	$26.2 \leq x$	$27.2 \leq x$	$28.1 \leq x$	$28.8 \leq x$	$29.6 \leq x$	$30.2 \leq x$

Record of Change

Version	Changes Made	Date	Name
1	2015 YRBS data report created	12/9/2015	G. Jones
2	YRBS Data re-analyzed and report revised	11/26/2018	M. Zatreh
2	Key Findings section updated	04/03/2019	J. Ruckersfeldt