

Youth Risk Behavior Survey (YRBS) 2017

County-wide Middle School Results

Version 1

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 7th-8th 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 Middle School YRBS that was administered in September 2017 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 2,138 students across 13 middle schools in Springfield:

School Name
Hayward Middle School
Roosevelt Middle School
Schaefer Middle School
Tecumseh Middle School
Northridge Middle School
South Vienna Middle School
Northwestern Junior High
Southeastern Jr. High School
Greenon Jr. High School (Indian Valley)
Catholic Central Jr. High 7-8
Global Stem 7-8
Keifer Academy 7-8
Shawnee Middle School

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 cannot be compared with results from previous Clark County YRBS, nor may they be compared with national and state level YRBS results.**

The overall response rate for middle schools was 62%. The cutoff for a representative response rate was 65%, therefore this is not considered a representative portion of the population. All incomplete or invalid responses were removed. The body mass index (BMI) for each student was calculated by dividing the weight in kilograms by the height in meters. 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. The count, which represents the number of respondents who gave that specific response, and its percentage from the total number of respondents was reported. For the behavior data, the 95% confidence intervals of population proportion were reported.

Key Findings:

Population Demographics

- 98% of respondents were 12 – 14 years old
- 99% of respondents were 7th to 8th grade
- 85% non-Hispanic
- 68% were White
- 49% Male and 50% Female

Body Mass Index (BMI)

- 8% of male students were obese
- 6% of female students were obese

Behavioral Demographics

Driving Habits:

- 73% rarely or never wore a helmet when riding a bicycle
- 21% rode in a car driven by someone who had been drinking alcohol in the past 30 days

Violence and Weapon Carrying:

- 35% carried a weapon (gun, knife, club)

Bullying:

- 45% were bullied on school property
- 24% were electronically bullied

Depression and Suicide:

- 23% seriously thought about suicide

Tobacco:

- 13% tried smoking a cigarette
- 18% tried smoking an electronic vapor product

Alcohol:

- 23% had at least one drink of alcohol in their life

Body Weight:

- 19% fasted for 24 hours or more to lose or stop gaining weight in the past 30 days

Physical Activity:

For questions, contact apetroff@ccchd.com

- 37% were active for 60 minutes per day less than five days in the past 7 days
- 24% spent at least 3 hours a day watching TV on an average school day
- 45% spent at least 3 hours a day playing video or computer games on an average school day
- 17% Got a concussion from playing a sport or being active at least once in the past 12 months

Other Health Topics:

- 47% have not been taught about HIV or AIDS in school
- 23% have been told they have asthma

Results

Population Demographics

Categories	Count	Percentages
Age of Students		
10 years or younger	2	0.1%
11 years	17	0.8%
12 years	688	32.2%
13 years	1064	49.8%
14 years	335	15.7%
15 years	12	0.6%
16 years or older	6	0.3%
NA or did not answer	14	0.7%
Grade		
6th grade	6	0.3%
7th grade	1018	47.6%
8th grade	1099	51.4%
Ungraded or other	6	0.3%
NA or did not answer	9	0.4%
Hispanic or Latino		
Yes	192	9.0%
No	1810	84.7%
NA or did not answer	136	6.4%
Race		
Multi-race	236	11.0%
American Indian or Alaska Native	111	5.2%
Asian	19	0.9%
Black or African American	236	11.0%
Native Hawaiian or Other Pacific Islander	14	0.7%
White	1443	67.5%
NA or did not answer	79	3.7%
Sex		
Female	1069	50.0%
Male	1050	49.1%
NA or did not answer	19	0.9%

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															
	10 years and younger		11 years		12 years		13 years		14 years		15 years		16 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%	6	2.1%	11	2.7%	12	7.7%	0	0%	0	0%	29	1.4%
Normal	0	0%	4	44.4%	159	54.6%	247	59.7%	81	51.9%	1	50.0%	0	0%	492	23.0%
Overweight	0	0%	2	22.2%	64	22.0%	80	19.3%	30	19.2%	0	0%	0	0%	176	8.2%
Obese	0	0%	3	33.3%	62	21.3%	76	18.4%	33	21.2%	1	50.0%	1	100%	176	8.2%

Females

Weight Categories	Age															
	10 years and younger		11 years		12 years		13 years		14 years		15 years		16 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%	10	4.10%	15	3.40%	4	3.60%	0	0%	1	100%	30	1.4%
Normal	0	0%	4	57.10%	135	55.60%	270	60.40%	63	56.30%	1	33.30%	0	0%	473	22.1%
Overweight	0	0%	1	14.30%	50	20.60%	97	21.70%	24	21.40%	1	33.30%	0	0%	173	8.1%
Obese	0	0%	2	28.60%	48	19.80%	65	14.50%	21	18.80%	1	33.30%	0	0%	137	6.4%

Behavior Data*

Questions	Count	Percentage	95% CI
Driving Habits			
Rarely or never wore a helmet when riding a bicycle	1567	73.3%	71.4% - 75.2%
Rarely or never wore a helmet when rollerblading or riding a skateboard	775	36.2%	34.2% - 38.3%
Rarely or never wore a seat belt when riding a car driven by someone else	128	6.0%	5% - 7%
Rode in a car driven by someone who had been drinking alcohol, at least once in the past 30 days	442	20.7%	19% - 22.4%
Family Interaction and Support			
Disagree or strongly disagree that parents and other adults have clear rules and consequences for behavior	112	5.2%	4.3% - 6.2%
Ate dinner at home with at least one parent or guardian 1 day or less in the last 7 days	176	8.2%	7.1% - 9.4%
Is not comfortable seeking help from any adults aside from parents	303	14.2%	12.7% - 15.7%
Violence and Weapon Carrying			
Carried a weapon (gun, knife, club)	746	34.9%	32.9% - 36.9%
Involved in a physical fight	110	5.1%	4.2% - 6.1%
Injured in a physical fight and had to be treated	131	6.1%	5.1% - 7.1%
Bullying			
Bullied on school property	960	44.9%	42.8% - 47%
Electronically bullied (Facebook, Instagram, texting)	514	24.0%	22.2% - 25.9%
Depression and Suicide			
Seriously thought about suicide	490	22.9%	21.1% - 24.7%
Made a plan to attempt suicide	322	15.1%	13.5% - 16.6%
Attempted suicide	150	7.0%	5.9% - 8.1%
Tobacco			
Tried smoking a cigarette	281	13.1%	11.7% - 14.6%
Smoked a cigarette before age 10 years old	82	3.8%	3% - 4.6%
Smoked cigarettes at least 1 day in the past 30 days	62	2.9%	2.2% - 3.6%
Smoked cigarettes on at least 20 days in the past 30 days	8	0.4%	0.1% - 0.6%
Smoked at least 1 cigarette per day in the past 30 days	39	1.8%	1.3% - 2.4%
Usually got their cigarettes from a person 18 years or older in the past 30 days	7	0.3%	0.1% - 0.6%
Used an electronic vapor product	374	17.5%	15.9% - 19.1%
Smoked an electronic vapor product at least once in the past 30 days	113	5.3%	4.3% - 6.2%
Usually got electronic vapor product from a convenience store, gas station, grocery store in the past 30 days	13	0.6%	0.3% - 0.9%
Used chewing tobacco, snuff, snus, etc. 1 day or more in the past 30 days	44	2.1%	1.5% - 2.7%
Smoked cigars, cigarillos, or little cigars on 1 day or more in the past 30 days	57	2.7%	2% - 3.3%

*Percentages include missing and invalid entries.

Questions	Count	Percentage	95% CI
Alcohol			
Had least one drink of alcohol	492	23.0%	21.2% - 24.8%
Had their first drink of alcohol before age 10 years old	126	5.9%	4.9% - 6.9%
Marijuana			
Have used marijuana at least once in their life	212	9.9%	8.6% - 11.2%
Tried marijuana for the first time before age 10 years old	27	1.3%	0.8% - 1.7%
Drugs			
Have used any form of cocaine at least once in their life	37	1.7%	1.2% - 2.3%
Have sniffed glue, aerosols, paints to get high at least once in their life	106	5.0%	4% - 5.9%
Have used non-prescribed steroid pills or shots at least once in their life	44	2.1%	1.5% - 2.7%
Have taken non-prescribed pain medication or misused it at least once in their life	98	4.6%	3.7% - 5.5%
Sexual Behavior			
Have had sexual intercourse	153	7.2%	6.1% - 8.2%
First had sexual intercourse before age 10 years old	25	1.2%	0.7% - 1.6%
Had sex with 4 or more people in their life	27	1.3%	0.8% - 1.7%
Did not use a condom when they last had sex	62	2.9%	2.2% - 3.6%
Body Weight			
Self-describe as slightly or very overweight	612	28.6%	26.7% - 30.5%
Not trying to do anything with their weight	416	19.5%	17.8% - 21.1%
Fasted for 24 hours or more to lose weight or stop gaining weight in the last 30 days	408	19.1%	17.4% - 20.7%
Took non-prescribed diet pills, powders, or liquids in the last 30 days	82	3.8%	3% - 4.6%
Vomited or took laxatives in the last 30 days	109	5.1%	4.2% - 6%
Dietary Behavior			
Did not eat breakfast on at least 1 day in the past 7 days	271	12.7%	11.3% - 14.1%
Physical Activity			
Were active for 60 minutes per day less than 5 days in the past 7 days	783	36.6%	34.6% - 38.7%
Spent at least 3 hours a day watching TV on an average school day	512	23.9%	22.1% - 25.8%
Spent at least 3 hours a day playing video or computer games on an average school day	962	45.0%	42.9% - 47.1%
Do not go to PE classes at school in an average week	1099	51.4%	49.3% - 53.5%
Did not go to PE classes at school every day of the school week	1357	63.5%	61.4% - 65.5%
Do not play on any sports teams in the past 12 months	787	36.8%	34.8% - 38.9%
Got a concussion from playing a sport or being active at least once in the past 12 months	369	17.3%	15.7% - 18.9%

*Percentages include missing and invalid entries.

Questions	Count	Percentage	95% CI
Other Health Topics			
Have not been taught about HIV or AIDS in school	1014	47.4%	45.3% - 49.5%
Have been told they have asthma by a doctor or nurse	481	22.5%	20.7% - 24.3%
Get 4 hours or less of sleep on a school night	121	5.7%	4.7% - 6.6%
Miscellaneous			
Self-describe their grades as mostly D's or worse in the past 12 months	66	3.1%	2.4% - 3.8%

**Percentages include missing and invalid entries.*

Appendix I: Weight Category Definitions

Weight categories are defined by BMI percentiles.

Males

Weight Categories	Age						
	10 years and younger	11 years	12 years	13 years	14 years	15 years	16 years and older
Underweight	$x < 14.2$	$x < 14.5$	$x < 15$	$x < 15.4$	$x < 16$	$x < 16.5$	$x < 17.2$
Normal	$14.2 \leq x < 19.3$	$14.5 \leq x < 20.2$	$15 \leq x < 21$	$15.4 \leq x < 21.8$	$16 \leq x < 22.6$	$16.5 \leq x < 23.4$	$17.2 \leq x < 24.2$
Overweight	$19.3 \leq x < 22.2$	$20.2 \leq x < 23.2$	$21 \leq x < 24.2$	$21.8 \leq x < 25.2$	$22.6 \leq x < 26$	$23.4 \leq x < 26.8$	$24.2 \leq x < 27.5$
Obese	$22.2 \leq x$	$23.2 \leq x$	$24.2 \leq x$	$25.2 \leq x$	$26 \leq x$	$26.8 \leq x$	$27.5 \leq x$

Females

Weight Categories	Age						
	10 years and younger	11 years	12 years	13 years	14 years	15 years	16 years and older
Underweight	$x < 14$	$x < 14.3$	$x < 14.8$	$x < 15.2$	$x < 15.7$	$x < 16.3$	$x < 16.7$
Normal	$14 \leq x < 20$	$14.3 \leq x < 20.8$	$14.8 \leq x < 21.7$	$15.2 \leq x < 22.5$	$15.7 \leq x < 23.4$	$16.3 \leq x < 24$	$16.7 \leq x < 24.6$
Overweight	$20 \leq x < 23$	$20.8 \leq x < 24.1$	$21.7 \leq x < 25.2$	$22.5 \leq x < 26.2$	$23.4 \leq x < 27.2$	$24 \leq x < 28.1$	$24.6 \leq x < 28.8$
Obese	$23 \leq x$	$24.1 \leq x$	$25.2 \leq x$	$26.2 \leq x$	$27.2 \leq x$	$28.1 \leq x$	$28.8 \leq x$

Record of Change

Version	Changes Made	Date	Name
1	YRBS Data analyzed and report created	8/1/2018	M. Zatreh