

Youth Risk Behavior Survey (YRBS) 2015

County-wide Middle 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 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 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 1878 students across 11 middle schools in Springfield:

School Name
Hayward Middle School
Possum Middle School
Schaefer Middle School
Tecumseh Middle School
Reid 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
Rockway 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 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 middle schools was 64.5%. 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

- 97% of respondents were 12 – 14 years old
- 99% of respondents were 7th to 8th grade
- 84% non-Hispanic
- 72% were White
- 49% Male and 49% Female

Body Mass Index (BMI)

- 21% of male students were obese
- 16% of female students were obese

Behavioral Demographics

Driving Habits:

- 70% 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:

- 31% carried a weapon (gun, knife, club)
- 44% involved in a physical fight

Bullying:

- 49% were bullied on school property
- 29% were electronically bullied

Depression and Suicide:

- 22% seriously thought about suicide
- 15% made a plan to attempt suicide
- 8% attempted suicide

Tobacco:

- 17% tried smoking a cigarette
- 22% used an electronic vapor product

Alcohol:

- 21% had at least one drink of alcohol in their life
- 6% had their first drink of alcohol before age 10 years old

Body Weight:

- 17% fasted for 24 hours or more to lose or stop gaining weight in the past 30 days

Physical Activity:

- 35% were active for 60 minutes per day less than five days in the past 7 days
- 28% spent at least 3 hours a day watching TV on an average school day
- 43% spent at least 3 hours a day playing video or computer games on an average school day

Other Health Topics:

- 45% have not been taught about HIV or AIDS in school
- 22% have been told they have asthma

Results

Population Demographics

Categories	Count	Percentages
Age of Students		
11 years	19	1.0%
12 years	658	35.0%
13 years	898	47.8%
14 years	261	13.9%
15 years	13	0.7%
16 years or older	2	0.1%
NA or did not answer	27	1.4%
Grade		
6th grade	9	0.5%
7th grade	895	47.7%
8th grade	954	50.8%
Ungraded or other	6	0.3%
NA or did not answer	14	0.7%
Hispanic or Latino		
Yes	151	8.0%
No	1581	84.2%
NA or did not answer	146	7.8%
Race		
American Indian or Alaska Native	106	5.6%
Asian	17	0.9%
Black or African American	176	9.4%
Native Hawaiian or Other Pacific Islander	17	0.9%
White	1345	71.6%
NA or did not answer	217	11.6%
Sex		
Female	917	48.8%
Male	921	49.0%
NA or did not answer	40	2.1%

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%	9	3.8%	11	3.4%	9	7.5%	2	20%	0	0%	31	4.5%
Normal	0	0%	3	42.9%	127	53.1%	174	54.5%	71	59.2%	5	50%	0	0%	380	54.7%
Overweight	0	0%	0	0%	55	23.0%	66	20.7%	17	14.2%	2	20%	0	0%	140	20.1%
Obese	0	0%	4	57.1%	48	20.1%	68	21.3%	23	19.2%	1	10%	0	0%	144	20.7%

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%	9	3.6%	6	1.7%	2	2.9%	0	0%	0	0%	17	2.5%
Normal	0	0%	4	80%	158	63.2%	213	59.3%	44	62.9%	1	50%	1	100%	421	61.3%
Overweight	0	0%	0	0%	50	20%	81	22.6%	7	10%	0	0%	0	0%	138	20.1%
Obese	0	0%	1	20%	33	13.2%	59	16.4%	17	24.3%	1	50%	0	0%	111	16.2%

Behavior Data*

Questions	Count	Percentage	95% CI
Driving Habits			
Rarely or never wore a helmet when riding a bicycle	1323	70.4%	68.38% - 72.51%
Rarely or never wore a helmet when rollerblading or riding a skateboard	676	36.0%	33.82% - 38.17%
Rarely or never wore a seat belt when riding a car driven by someone else	112	6.0%	4.89% - 7.03%
Rode in a car driven by someone who had been drinking alcohol at least once	397	21.1%	19.29% - 22.99%
Violence and Weapon Carrying			
Carried a weapon (gun, knife, club)	573	30.5%	28.43% - 32.59%
Involved in a physical fight	828	44.1%	41.84% - 46.34%
Injured in a physical fight and had to be treated	93	5.0%	3.97% - 5.93%
Bullying			
Bullied on school property	913	48.6%	46.36% - 50.88%
Electronically bullied (Facebook, Instagram, texting)	535	28.5%	26.45% - 30.53%
Family Interaction and Support			
Disagree or strongly disagree that parents and other adults have clear rules and consequences for behavior	124	6.6%	5.48% - 7.73%
Ate dinner at home with a parent or guardian 5 days or less in the last 7 days	636	33.9%	31.73% - 36.01%
Is not comfortable seeking help from any adults aside from parents	277	14.7%	13.15% - 16.35%
Depression and Suicide			
Seriously thought about suicide	414	22.0%	20.17% - 23.92%
Made a plan to attempt suicide	272	14.5%	12.89% - 16.08%
Attempted suicide	148	7.9%	6.66% - 9.1%
Tobacco			
Tried smoking a cigarette	318	16.9%	15.24% - 18.63%
Smoked a cigarette before age 10 years old	34	1.8%	1.21% - 2.41%
Smoked cigarettes at least 1 day in the past 30 days	76	4.0%	3.16% - 4.94%
Smoked cigarettes on at least 20 days in the past 30 days	17	0.9%	0.48% - 1.33%
Smoked at least 1 cigarette per day in the past 30 days	56	3.0%	2.21% - 3.75%
Usually got their cigarettes from a person 18 years or older in the past 30 days	9	0.5%	0.17% - 0.79%
Used chewing tobacco, snuff, snus, etc. 1 day or more in the past 30 days	44	2.3%	1.66% - 3.03%
Smoked cigars, cigarillos, or little cigars on 1 day or more in the past 30 days	71	3.8%	2.92% - 4.64%
Used an electronic vapor product	419	22.3%	20.43% - 24.19%
Smoked an electronic vapor product at least once in the past 30 days	175	9.3%	8.00% - 10.63%

*Percentages do not include missing and invalid entries.

Questions	Count	Percentage	95% CI
Alcohol			
Had least one drink of alcohol	387	20.6%	18.78% - 22.44%
Had their first drink of alcohol before age 10 years old	112	6.0%	4.89% - 7.03%
Marijuana			
Have used marijuana at least once in their life	168	8.9%	7.65% - 10.24%
Tried marijuana for the first time before age 10 years old	17	0.9%	0.48% - 1.33%
Drugs			
Have used any form of cocaine at least once in their life	26	1.4%	0.86% - 1.91%
Have sniffed glue, aerosols, paints to get high at least once in their life	118	6.3%	5.19% - 7.38%
Have used non-prescribed steroid pills or shots at least once in their life	40	2.1%	1.48% - 2.78%
Have taken non-prescribed pain medication or misused it at least once in their life	110	5.9%	4.8% - 6.92%
Sexual Behavior			
Have had sexual intercourse	141	7.5%	6.32% - 8.7%
First had sexual intercourse before age 10 years old	20	1.1%	0.60% - 1.53%
Had sex with 4 or more people in their life	29	1.5%	0.99% - 2.10%
Did not use a condom when they last had sex	64	3.4%	2.59% - 4.23%
Body Weight			
Self-describe as slightly or very overweight	539	28.7%	26.65% - 30.75%
Not trying to do anything with their weight	393	20.9%	19.09% - 22.77%
Fasted for 24 hours or more to lose weight or stop gaining weight in the last 30 days	327	17.4%	15.7% - 19.13%
Took non-prescribed diet pills, powders, or liquids in the last 30 days	67	3.6%	2.73% - 4.41%
Vomited or took laxatives in the last 30 days	94	5.0%	4.02% - 5.99%
Dietary Behavior			
Did not eat breakfast on at least 1 day in the past 7 days	224	11.9%	10.46% - 13.39%
Physical Activity			
Were active for 60 minutes per day less than 5 days in the past 7 days	660	35.1%	32.98% - 37.30%
Spent at least 3 hours a day watching TV on an average school day	517	27.5%	25.51% - 29.55%
Spent at least 3 hours a day playing video or computer games on an average school day	798	42.5%	40.26% - 44.73%
Do not go to PE classes at school in an average week	1046	55.7%	53.45% - 57.94%
Did not go to PE classes at school every day of the school week	1222	65.1%	62.91% - 67.23%
Do not play on any sports teams in the past 12 months	650	34.6%	32.46% - 36.76%

*Percentages do not include missing and invalid entries.

Questions	Count	Percentage	95% CI
Other Health Topics			
Have not been taught about HIV or AIDS in school	845	45.0%	42.74% - 47.24%
Have been told they have asthma by a doctor or nurse	415	22.1%	20.22% - 23.97%
Get 4 hours or less of sleep on a school night	109	5.8%	4.75% - 6.86%
Miscellaneous			
Self-describe their grades as mostly D's or worse in the past 12 months	83	4.4%	3.49% - 5.35%

**Percentages do not 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	2015 YRBS data report created	12/9/2015	G. Jones
2	YRBS Data re-analyzed and report revised	8/1/2018	M. Zatreh
2	Key Findings section updated	4/3/2019	J. Ruckersfeldt