CLARK COUNTY
YOUTH RISK BEHAVIOR SURVEY
YEAR COMPARISON

2019 versus 2021, County-Wide Middle School Comparison

Clark County Youth Risk Behavior Survey (YRBS) Comparison

County-wide Middle School Results Year Comparison

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, dietary behaviors, physical activity, and the prevalence of obesity and asthma.

This report compares county-wide results of the Middle School YRBS that was administered in 2019 and in 2021 by the Clark County Combined Health District in collaboration with each individual school district and school.

Methods

A census was conducted on youth risk behavior with students across middle schools in Springfield.

The survey was split into categories, including 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 was congruent with the CDC criteria for the YRBS, which suggests a two-stage, cluster sample design. The two-stage cluster sample design was achieved by first conducting a census of every school in the county, then randomly selecting classrooms from each school to analyze. **Since surveys administered in 2011, 2013, 2015 and 2017 were not completed using the two-stage cluster sample design and 95% confidence interval, the data collected in this YRBS <u>CANNOT</u> be compared with results from the Clark County YRBS surveys administered in 2011, 2013, 2015 and 2017.**

All incomplete or invalid responses were removed. Survey answers that were logically inconsistent with one another were also removed. A weight based on student sex, race, ethnicity, and grade was applied to each record to adjust for school and student nonresponse.

Significant Testing

If a "statistically significant" difference was found between the answers from 2019 to 2021, it means that there is a 95% probability that the difference was not due to chance alone. Therefore, it is very likely that something is different between the two populations regarding this topic. These differences are noted in the far-right column of the following table and are defined below.

If a percent change is trending in the positive direction, it is represented by a green arrow.

If a percent change is trending in the negative direction, it is represented by a red arrow.

If a percent change is significant, it is represented by a solid arrow.

If a percent change is less than 1%, it is represented by a black block.

Behavior Data Comparisons

| Questions	2019 Overall %	2021 Overall %	Trend from 2019 to 2021
COVID-19 Pandemic			
Mental health was most of the time or always not good during the COVID-19 Pandemic	-	26.4%	-
Parent or other adult in their home lost their job, even for a short amount of time, during the COVID-19 Pandemic	-	18.3%	-
Safety			
Rarely or never wore a helmet when riding a bicycle	68.8%	71.0%	⬆
Rarely or never wore a helmet when rollerblading or riding a skateboard	32.3%	43.3%	⬆
Rarely or never wore a seat belt when riding a car driven by someone else	5.2%	6.2%	▭
Have rode in a car driven by someone who had been drinking alcohol	24.0%	18.7%	⬇
Violence			
Have been involved in a physical fight	44.2%	44.3%	▭
Seen someone get physically attacked, beaten, stabbed, or shot in their neighborhood	-	25.2%	-
Forced by anyone into doing sexual things at least once in the past 12 months	-	18.1%	-
Have been physically hurt by a parent or other adult in their home at least sometimes in their life	-	7.9%	-
Bullying			
Bullied on school property	38.3%	43.1%	⬆
Electronically bullied (Facebook, Instagram, texting)	20.1%	33.8%	⬆
Victim of teasing or name calling because of race or ethnic background in the past 12 months	-	17.3%	-
Suicide, Hurting Oneself			
Hurt themselves without wanting to kill themselves at least once in the past 12 months	21.7%	25.3%	⬆
Seriously thought about killing yourself (suicide)	22.2%	26.3%	⬆
Made a plan to attempt to kill yourself (suicide)	15.8%	18.8%	⬆
Attempted to kill yourself (suicide)	9.5%	11.0%	⬆
Tobacco			
Tried smoking a cigarette	9.3%	10.7%	⬆

Green arrow (⬆⬇) shows a trend in the positive direction; Red arrow (⬆⬇) shows a trend in the negative direction; Black box (▭) shows a percent change less than 1%; Solid arrow (⬆⬇) shows a statistically significant change.

Questions	2019 Overall %	2021 Overall %	Trend from 2019 to 2021
Smoked a cigarette before age 10 years old	1.6%	3.4%	⬆ (red)
Smoked cigarettes at least 1 day in the past 30 days	1.7%	3.0%	⬆ (red)
Smoked cigarettes at least 20 days in the past 30 days	0.5%	0.4%	▭ (black box)
Smoked at least 1 cigarette per day in the past 30 days	1.0%	3.7%	⬆ (red)
Used an electronic vapor product	18.9%	16.8%	⬇ (green)
Smoked an electronic vapor product at least once in the past 30 days	9.4%	10.6%	⬆ (red outline)
Used chewing tobacco, snuff, snus, etc. 1 day or more in the past 30 days	1.9%	2.0%	▭ (black box)
Smoked cigars, cigarillos, or little cigars on 1 day or more in the past 30 days	0.9%	2.6%	⬆ (red)
Alcohol			
Had least one drink of alcohol	29.0%	20.7%	⬇ (green)
Had their first drink of alcohol before age 10 years old	5.2%	4.9%	▭ (black box)
Marijuana			
Have used marijuana at least once in their life	11.6%	8.4%	⬇ (green)
Tried marijuana for the first time before age 10 years old	1.1%	0.9%	▭ (black box)
Drugs			
Have taken non-prescribed pain medication or misused it at least once in their life	6.5%	1.0%	⬇ (green)
Have used any form of cocaine at least once in their life	0.7%	0.6%	▭ (black box)
Have sniffed glue, aerosols, paints to get high at least once in their life	5.3%	3.5%	⬇ (green)
Lived with someone who was having a problem with alcohol or drug use	-	25.4%	-
Sexual Behavior			
Have had sexual intercourse	4.4%	5.7%	⬆ (red outline)
First had sexual intercourse before age 10 years old	0.8%	1.1%	▭ (black box)
Had sex with 4 or more people in their life	0.0%	0.5%	▭ (black box)
Used a condom when they last had sex	90.1%	2.6%	⬇ (red)

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Questions	2019 Overall %	2021 Overall %	Trend from 2019 to 2021
Body Weight			
Self-describe as slightly or very overweight	29.8%	34.4%	⬆ (solid red)
Not trying to do anything with their weight	20.8%	22.6%	⬆ (outline red)
Tried to lose or keep from gaining weight in the past 30 days by not eating, taking diet pills, vomiting, taking laxatives or skipping meals	-	22.6%	-
Dietary Behavior			
Did not eat breakfast on at least 1 day in the past 7 days	65.2%	72.1%	⬆ (solid red)
Physical Activity			
Were active for 60 minutes per day less than 5 days in the past 7 days	39.2%	45.2%	⬆ (green)
Spent at least 3 hours a day in front of a TV, computer, other electronic device watching shows or videos playing games or on the internet on an average school day	-	67.4%	-
Did not go to PE classes at school in an average week	43.3%	57.0%	⬆ (solid red)
Do not play on any sports teams in the past 12 months	37.6%	45.1%	⬆ (solid red)
Got a concussion from playing a sport or being active at least once in the past 12 months	16.7%	16.3%	▭ (black box)
Other Health Topics/Miscellaneous			
Mental health was often not good at least most of the time during the past 30 days	-	21.4%	-
Often felt at least most of the time that they were able to talk to an adult about their feelings	-	17.0%	-
Get 4 hours or less of sleep on a school night	6.8%	12.2%	⬆ (solid red)
Slept somewhere else besides their parent/guardians, family member or friends house in the past 30 days	0.9%	4.6%	⬆ (solid red)
Did not have a usual place to sleep during the past 30 days	0.0%	0.7%	▭ (black box)
Have ever had sex education in school	-	14.4%	-
At least sometimes went hungry because there wasn't enough food at home in the last 30 days	12.6%	8.3%	⬇ (green)
Rarely or never felt safe and secure in their neighborhood	-	7.3%	-

Green arrow (⬆⬇) shows a trend in the positive direction; Red arrow (⬆⬇) shows a trend in the negative direction; Black box (◆▬) shows a percent change less than 1%; Solid arrow (◆▼) shows a statistically significant change.

Record of Change

Version	Changes Made	Date	Name
1	Arrows and Significance Added	4/8/2022	Daisy Okpa