

2023 Summit County Youth Risk Behavior Survey

High School Report

November 2024



Acknowledgements

Multiple partners contributed their expertise, cooperation, and dedication to create the 2023 Summit County High School Youth Risk Behavior Survey (YRBS). Most notable are Summit County Public Health (SCPH); the County of Summit Alcohol, Drug Addiction & Mental Health Services Board (ADM Board); and the Summit County Educational Services Center (ESC). We are especially grateful to the students, teachers, principals, and superintendents who agreed to participate in the survey. The Prevention Research Center for Healthy Neighborhoods (PRCHN) in the Department of Population and Quantitative Health Sciences at Case Western Reserve University collected and prepared the data.

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Introduction

A collaborative effort between the Prevention Research Center for Healthy Neighborhoods (PRCHN) at Case Western Reserve University and a youth-focused consortium represented by Summit County Public Health and the County of Summit Alcohol, Drug Addiction & Mental Health Services Board (ADM Board) administered the Youth Risk Behavior Survey (YRBS) during the 2023-2024 academic year in high schools throughout Summit County. The YRBS is a cross-sectional tool developed by the Centers for Disease Control and Prevention (CDC) to track adolescent risk behavior over time. Since 1991, the national YRBS has tracked many of the major causes of morbidity and mortality for adolescents (ages 10 to 18). Nationwide, the YRBS is conducted every two years with students in grades nine through twelve.

In the fall of 2023, the YRBS was administered to students in grades nine through twelve throughout Summit County. The survey was customized to meet local needs and covered a broad range of topics. The 2023 Summit County High School YRBS asked questions covering the following health-related behavior categories:

1. Demographic Characteristics
2. Mental Health & Suicide Behaviors
3. Tobacco & Substance Use
4. Gambling Behaviors
5. Injury Prevention
6. Violence & Safety
7. Sexual Risk Behaviors
8. Nutrition & Physical Activity
9. Preventative Health Care
10. Youth Development

This report summarizes results from the 2023 Summit County YRBS for high school (HS) students. A unique chapter has been written for each category of behaviors. Each chapter describes the data collected in 2023 as well as information pertaining to trends over time and when available, special populations of interest. Data items with fewer than 30 responses within a subpopulation are suppressed from summary tables to protect student's confidentiality and to produce reliable prevalence estimates. A full, detailed description of the methodology and measures are included in Appendix A.

Executive Summary

The Youth Risk Behavior Survey (YRBS) for Summit County, Ohio, provides a comprehensive snapshot of health-related behaviors among the county's youth. This report highlights trends in violence, mental health, substance use, physical activity and other factors impacting youth. By capturing data from students across the county, including insights specific to the city of Akron, this report seeks to explore the current experiences and challenges Summit County's youth face.

Data from the city of Akron is incorporated into the statistics for Summit County, to provide a comprehensive view of youth risk behaviors across the region. In reviewing this report, please remember:

- Akron student data are included in the Summit County sample, which should be considered when comparing these overlapping groups.
- Percentages in visuals may not total 100% because of rounding.
- Scale variations in certain visuals are used to emphasize trends or behavior patterns.

These findings serve as a tool for guiding programs, policies, and practices that support healthier lifestyles and improved outcomes for the youth.

Mental Health & Suicide Behaviors

- In Summit County, the prevalence of suicidal behaviors, particularly planning (11%) and attempts (6.4%) decreased since 2018.
- In Akron, Summit County's largest city, the prevalence of depressive symptoms experienced increased to 39.6% while those who reported having made one or more suicide attempts decreased to 9.8%.
- To meet the Healthy People 2030 (HP2030) target (1.8% or lower), the proportion of students who attempt suicide needs to decrease by at least 200%.

Tobacco & Substance Use Behaviors

Tobacco & Nicotine Product Use

- Current use of any tobacco products decreased across all products including cigarettes, cigar products, electronic vapor products, and smokeless tobacco since 2018 in Summit County (from 27.9% to 9.1%).

- In Summit County, current use of tobacco products decreased such that the targets set by Healthy People 2030 have been met, with the exception of cigar products (currently 3.9% and needs to be 3.0% or lower).

Marijuana Use

- The prevalence of students reporting current use of marijuana has declined since 2013 in Summit County (from 21.1% to 12.3%). There are also declining rates of tobacco-cannabis co-use (from 14.1% in 2018 to 6.4% in 2023). The prevalence of students reporting that they usually used marijuana by smoking it has decreased from 76.0% in 2018 to 55.7% in 2023.
- In Summit County, to achieve the target set by Healthy People 2030 (5.8% or lower), the prevalence of current marijuana (12.3% in 2023) use needs to decline by about half of what it is now.

Alcohol Use

- Since 2013, students who reported having drunk alcohol in the past 30 days has declined by about 50% in Summit County (from 30.3% to 14.6%). Similarly, since 2018, current binge drinking has also declined (from 11.4% to 7.0%).
- The target goal set by Healthy People 2030 for binge drinking has been achieved. However, the prevalence of those who reported current alcohol use (14.6% in Summit County) needs to decline by 2.5 times (to at least 6.3%) to achieve the HP 2030 goal.

Prescription Medication Misuse

- In Summit County, since 2013, the prevalence of students who report having ever taken a prescription drug without a doctor's prescription has declined substantially by more than two-thirds (from 20.1% to 6.9%).
- In Summit County, the most prevalent forms of prescription medication misused included sleeping pills, sedatives, or other depressants (2.8%) or an unknown prescription drug (2.6%).

Illicit Drug Use

- In Summit County, more broadly, there has been a substantial decline in use of illicit drugs (from 12.5% in 2018 to 9.0% in 2023). There has been no change in the use of any illicit drug in the City of Akron since 2018 (12.1%).
- Unique to the City of Akron, use of hallucinogenic drugs has nearly doubled since 2018 (from 3.6% to 7.0%).

Gambling Behaviors

- Students in Summit County who reported having gambled in the past 30 days has declined by about half since 2013 (from 26.3% to 17.3%).
- Internet-based gambling has increased since 2018 and 2023 (from 1.1% to 2.2%) in Summit County.

Injury Prevention

- Students in Summit County who reported not wearing a seatbelt while riding in a car has declined (from 11.7% to 6.4%) since 2013.
- The proportion of students in Summit County who reported having ridden in a car that was driven by someone who had been drinking alcohol has also declined since 2013 (17.9% to 10.9%).
- Since 2013, there has been no change in students who reported texting or emailing while driving in the City of Akron (25.4%) but a decline among students in Summit County overall (from 37.3% to 31.5%).

Violence & Safety

Physical Violence

- In Summit County, fewer high school students reported having carried a weapon to school since 2013 (15.3% to 8.7%).
- Fewer students in Summit County reported having been in a physical fight in the past 12 months since (from 25.5% to 18.9%). The target goal set by Healthy People 2030 (20.9%) has been met, but only for Summit County overall.
- Nearly one in four students in the county (24.3%) reported in 2023 that they could get a loaded gun without a parent's permission.
- In the City of Akron, the prevalence of students who reported that they did not go to school because they felt unsafe there or on the way to or from school has increased since 2013 (10.4% to 16.7%). At the same time, the prevalence of those reporting that they did not feel safe at school has increased from 16.0% in 2018 to 21.5% in 2023.

Intimate Partner Violence

- In Akron, those who reported being physically hurt by someone they were dating has increased from 10.6% in 2013 to 14.0% in 2023.

Bullying

- While there has been no change in the students in Akron who reported having been bullied in the past year (23.8%), there has been a steady decline among students in Summit County overall since 2013 (29.6% to 24.0%).
- The proportion of students in Summit County who reported having been teased or name called has declined since 2013 (38.8% to 32.6%).

Sexual Risk Behaviors

- About 18.3% of students in Summit County indicated they were currently sexually active which is significantly lower than was reported in 2013 (30.7%).
- In the City of Akron, among students who were currently sexually active, there has been a decline in reported condom use (from 58.2% in 2013 to 39.8% in 2023) while in Summit County overall the prevalence has remained about the same (53.4%).

Nutrition & Physical Activity

Diet-Related Behaviors

- In Summit County, the proportion of students who had 5 or more fruits and vegetables per day has declined since 2013 (from 18.6% to 12.1%).
- Fewer students in the county reported having soda or pop every day declining from 21.7% in 2013 to 14.7% in 2023.
- One in seven students (14.8%) in the City of Akron and one in ten students in Summit County overall (9.8%) reported experiencing hunger, or food insecurity, in the past 30 days.

Physical Activity

- In Summit County, there has been an increase in students who met physical activity recommendations of 60 or more minutes of exercise across 5 days (41.7% to 46.3%).
- The target goal set by Healthy People 2030 for physical activity (30.6%) in both Akron (31.4%) and Summit County (46.3%) has been met.

Screen Time & Sleep

- Fewer students in Summit County reported getting eight or more hours of sleep on an average school night which has declined to fewer than 1 in 4

students (22.5%). As a result, the target goal set by Healthy People 2030 (27.4%) has not been met.

- About three-fourths (74.5%) of students in Summit County get 3 or more hours of screen time on an average school night and the majority (90%<) use social media every day.

Obesity and Weight Control

- In Summit County, the prevalence of students who have obesity has increased since 2013 (from 12.9% to 17.4%).
- Nearly three-fifths of Summit County students (57.8%) reported that they had tried to lose weight or keep from gaining weight in the past 30 days.

Preventative Health Care

- In Summit County overall, the proportion of students who have seen a health care provider for a routine check-up has increased since 2013 (from 65.7% to 71.1%) but has remained the same within the City of Akron (59.9%).
- There remains a substantial gap between the target goal set by Healthy People 2030 for preventative health care visits and where the County is in 2023 (must increase from 71.1% to 82.6% or higher).

Youth Development

Adverse Childhood Experiences (ACEs)

- The most prevalent form of ACEs in Summit County was having experienced emotional abuse which was reported by more than half of students (54.1%).
- Students in the City of Akron were more likely to have 4 or more ACEs (38.7%) compared to Summit County overall (26.3%).

Positive Childhood Experiences (PCEs)

- In the City of Akron, about one in four students (25.9%) reported not having any PCEs which was greater than students in Summit County overall (17.1%).

1 Demographic Characteristics

In the 2023-2024 school year, 7,745 high school students in Summit County participated in the Youth Risk Behavior Survey (YRBS). Of these, 3,186 students were from the City of Akron (Akron), making up 29.2% of the survey sample. Just over half of the high school students in both Akron (54.2%) and Summit County (51.7%) are 16 or 17 years old. About one-quarter of students are in each grade (9th through 12th), and half of them identify as female (**Table 1**).

In Summit County, more students identified as non-Hispanic White.

- 60.9% - non-Hispanic White
- 27.9% - non-Hispanic Black or African American
- 5.2% - multiracial
- 3.6% - non-Hispanic Asian
- 2.1% - Hispanic
- 0.2% as American Indian or Alaskan Native.

In Akron, student demographics are significantly different with the majority of students identifying as non-Hispanic Black or African American.

- 50.7% - non-Hispanic Black or African American
- 7.8% - multiracial
- 7.6% non-Hispanic Asian
- 3.5% Hispanic

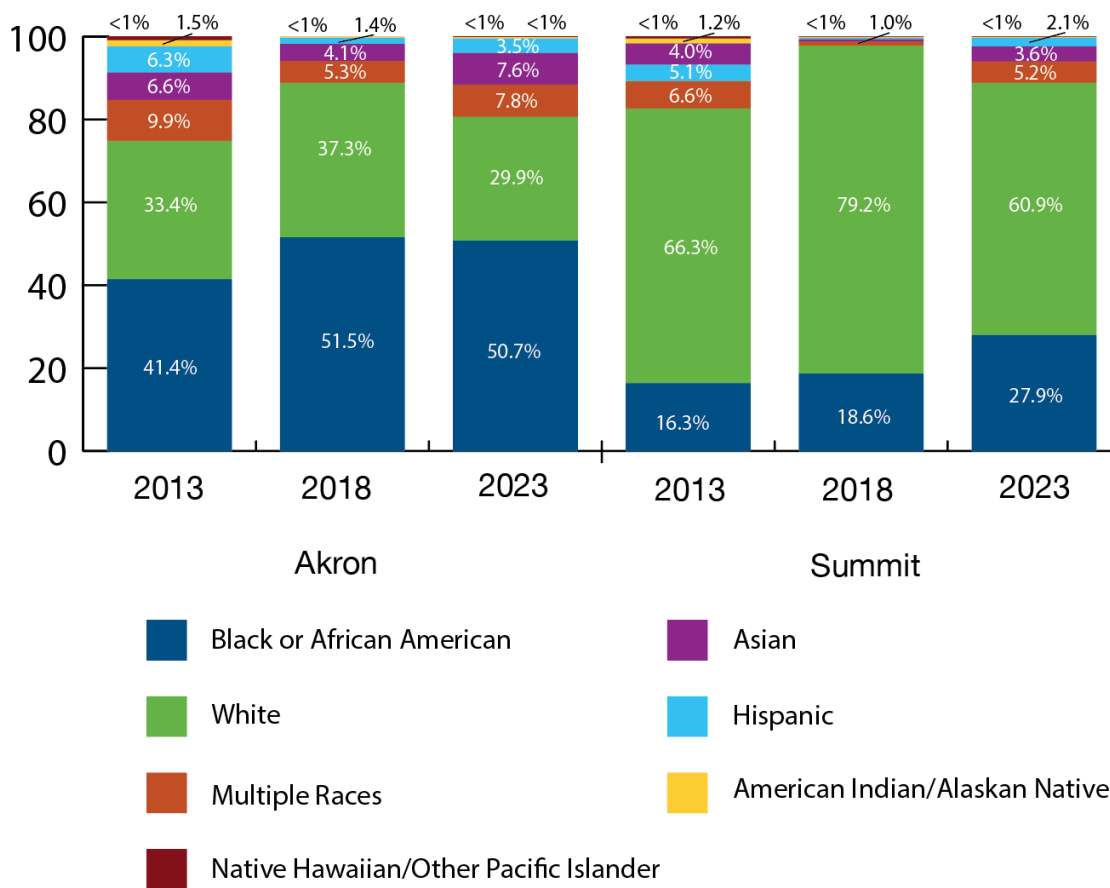
Most students (94.2%) speak English at home, but 0.9% speak Spanish, and 4.9% speak another language, mainly Nepalese.

Since 2013, student racial and ethnic makeup (**Figure 1.1**), and sexual and gender identity (**Figure 1.2**) in Akron and Summit County has changed. In Akron, about half of the high school students (50.7%) identified as Black or African American in 2023, compared to 41.4% in 2013. In Summit County, the percentage of students identifying as Black or African American has doubled since 2013. Since 2018, the number of students identifying as bisexual has increased from 10.9% to 15.6% in Akron and from 9.0% to 11.5% in the county. The number of students identifying as gay, or lesbian has increased from 3.6% to 4.8% in Akron and from 2.9% to 4.4% in the County.

Chapter 1: Demographic Characteristics

Sharing information about the demographic characteristics of the sample provides important context about the experiences of different groups. This report includes data by grade level, race, gender and ethnicity, gender identity, and sexual orientation. However, groups with fewer than 35 students, such as those who identified as American Indian, Alaskan Native, Native Hawaiian or Other Pacific Islander, were not included in demographic comparisons to maintain students' confidentiality. Students who identified as another gender identity or sexual orientation not available on the questionnaire were similarly not included in the analysis due to low reporting numbers to protect confidentiality.

Figure 1.1. Racial and Ethnic Composition of the Student Body, Summit County High School Trends



Overall, differences existed in household composition between Akron and Summit County (**Figure 1.3**). In Summit County, 66.6% of high school students reported living with both parents, while in Akron, 47.8% lived with both parents.

In reviewing this report, keep in mind that Akron data are included in the Summit County sample, which affects direct comparisons. Percentages may not total 100% due to rounding, and some visuals use varying scales to highlight trends or behaviors.

Figure 1.2. Sexual Orientation, Summit County High School Trends

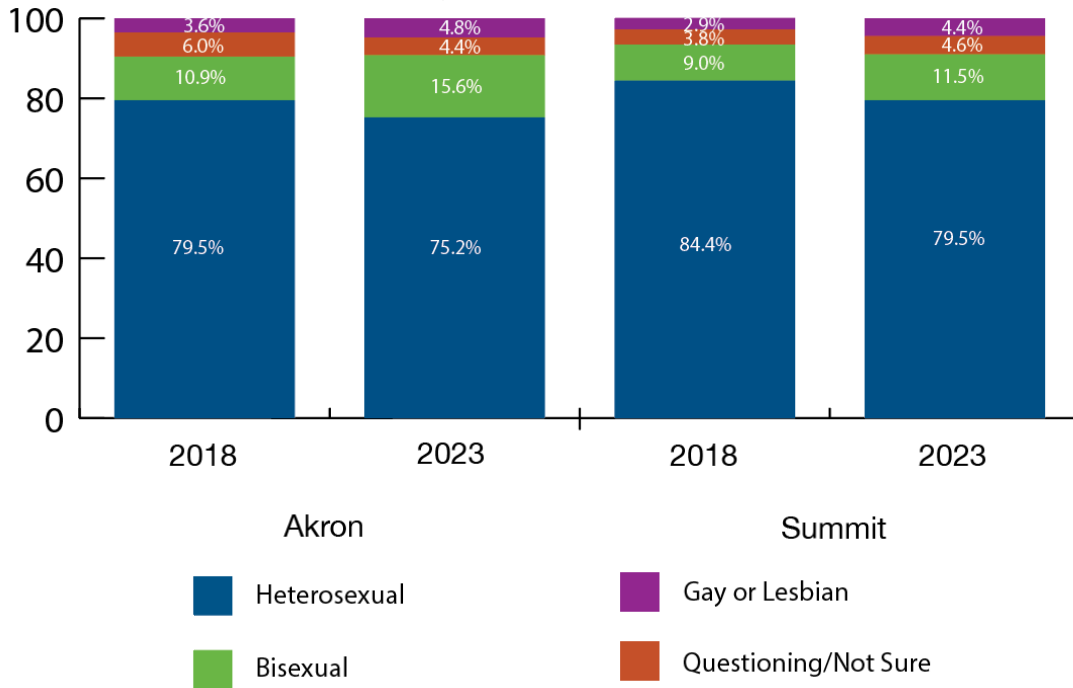
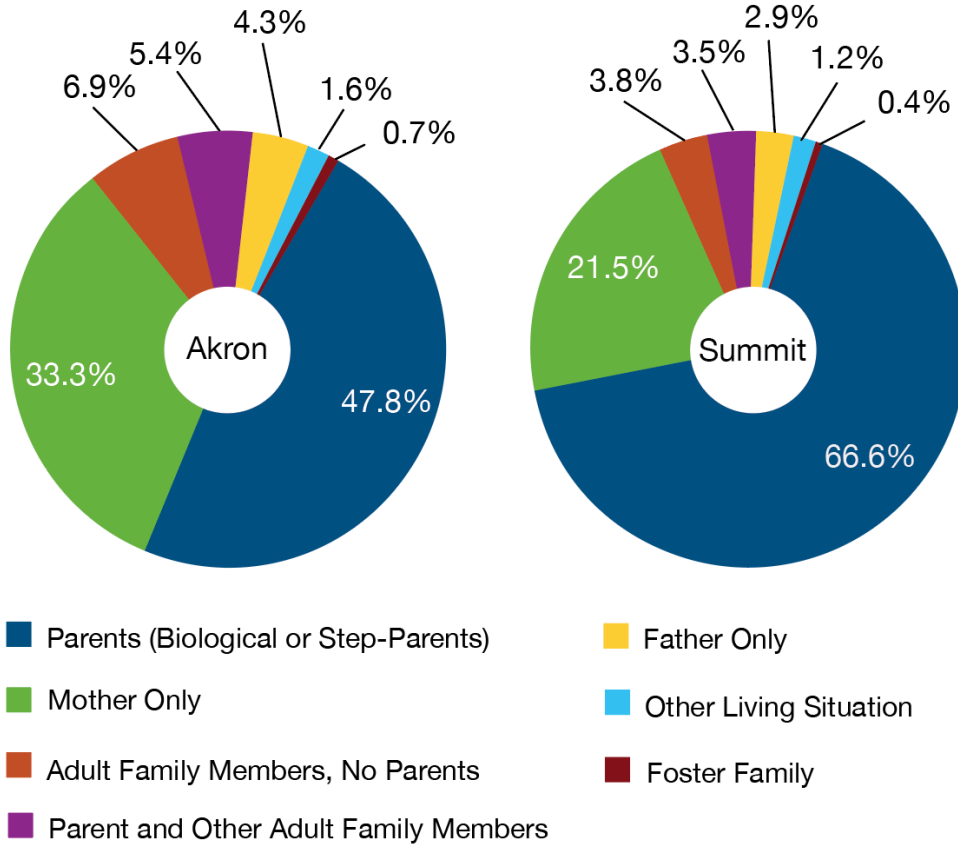


Figure 1.3. Household Structure and Composition, Summit County High School (2023)

Chapter 1: Demographic Characteristics



Chapter 1: Demographic Characteristics

Table 1. Demographic Characteristics		Akron City %	Summit County %
Age	13 years old or younger	0.3	0.3
	14-15 years	38.2	40.9
	16-17 years	53.2	51.7
	18 years or older	8.2	7.2
Grade Level	9th	23.8	26.5
	10th	24.2	23.9
	11th	23.5	27.6
	12th	28.4	22.1
Sex	Female	49.6	49.0
	Male	50.4	51.0
Race & Ethnicity	American Indian or Alaskan Native	0.3	0.2
	Asian	7.6	3.6
	Black or African American	50.7	27.9
	Native Hawaiian or Other Pacific Islander	0.2	0.1
	White	29.9	60.9
	Multiple Races	7.8	5.2
	Hispanic	3.5	2.1
Language Used at Home	English	88.9	94.2
	Spanish	2.2	0.9
	Another language	8.9	4.9
Gender Identity	Cisgender	94.0	95.0
	Transgender/Non-binary	4.3	3.7
	Other	1.7	1.3
Sexual Orientation	Heterosexual	71.1	76.9
	Gay or Lesbian	4.8	4.4
	Bisexual	14.8	11.1
	Questioning or unsure	4.1	4.4
	Other	5.4	3.3
Household Composition	Parents (Biological or Step-Parents)	47.8	66.6
	Mom Only	33.3	21.5
	Dad Only	4.3	2.9
	Parent and Other Adult Family Members	5.4	3.5
	Adults Family Members, No Parents	6.9	3.8
	Foster Family	0.6	0.4
	Other Living Situation	1.6	1.2

2 Mental Health & Suicide Behaviors



Mental health is a key part of overall health and affects daily life. It includes emotional, psychological, and social well-being and impacts quality of life from childhood through adulthood. Poor mental health can lead to depression, anxiety, substance abuse, self-harm, and even suicide. Depression among youth is a growing concern, with more than 20% of American youth reporting at least one major depressive episode in 2023.¹ If untreated, it can have serious effects on a person’s safety and well-being. In 2021, one in three high school students reported poor mental health, and student mental health in the U.S. has continued to worsen. Since the early 2000s, suicide has been one of the top three causes of death for teens between 14 and 19.

Progress Towards Healthy People 2030 Objectives

Both Akron and Summit County have not met the goal to reduce suicide attempts, with 9.8% of Akron students and 6.4% of County students reporting a suicide attempt in the past 12 months.

Healthy People 2030 Objectives	Akron City	Summit County	Status
MHMD-02: Reduce suicide attempts by adolescents to 1.8% or lower	9.8%	6.4%	Objective not achieved in Summit County
LGBT-06: Reduce suicidal thoughts in lesbian, gay, or bisexual high school students to 52.1% or lower	32.5%	32.2%	Objective has been met
LGBT-DO2: Reduce suicidal thoughts in transgender students	42.5%	44.3%	This is a <i>preliminary</i> objective

Depressive Symptoms Increasing in Akron


In 2023, nearly one-third of high school students in Summit County (30.9%) reported feeling so sad that they stopped their usual activities (**Figure 2.1**), down from 34.4% in 2018. Akron, however, saw an increase to 39.6% in 2023, up from 35.4% in 2018. Between 2013 and 2023, self-harm behavior rates remained stable in both Akron and Summit County, but Akron consistently reported higher rates. In 2023, 20.9% of Akron students and 17.9% of Summit County high school students reported intentionally harming themselves in the past year (**Figure 2.2**).

¹Youth Data 2023.” Mental Health America. Accessed October 31, 2024.
<https://www.mhanational.org/issues/2023/mental-health-america-youth-data#two>.



Key Findings


Over **1 in 4**



Summit County students experienced depressive symptoms.

 **LGBTQ** students had poorer **mental health.**

 **Males had lower rates:**
Receiving help for mental health symptoms
Depressive symptoms
Suicide-related behaviors

 **Increased**
Depressive Symptoms
Akron


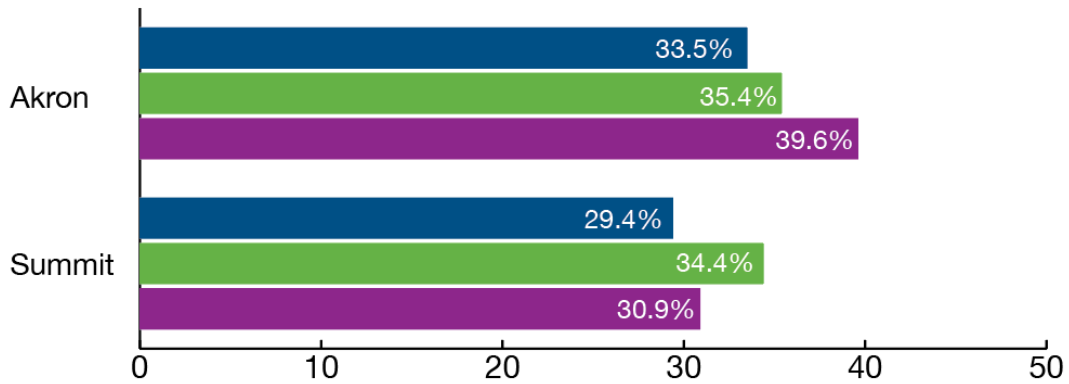
 **Decreased**
Suicide Attempts
Akron & County



Figure 2.1. Students who had Depressive Symptoms for 2 or More Weeks in the Past 12 Months, Summit County High School Trends

2013 2018 2023
■ ■ ■

Note: graphs have been scaled down for visual clarity



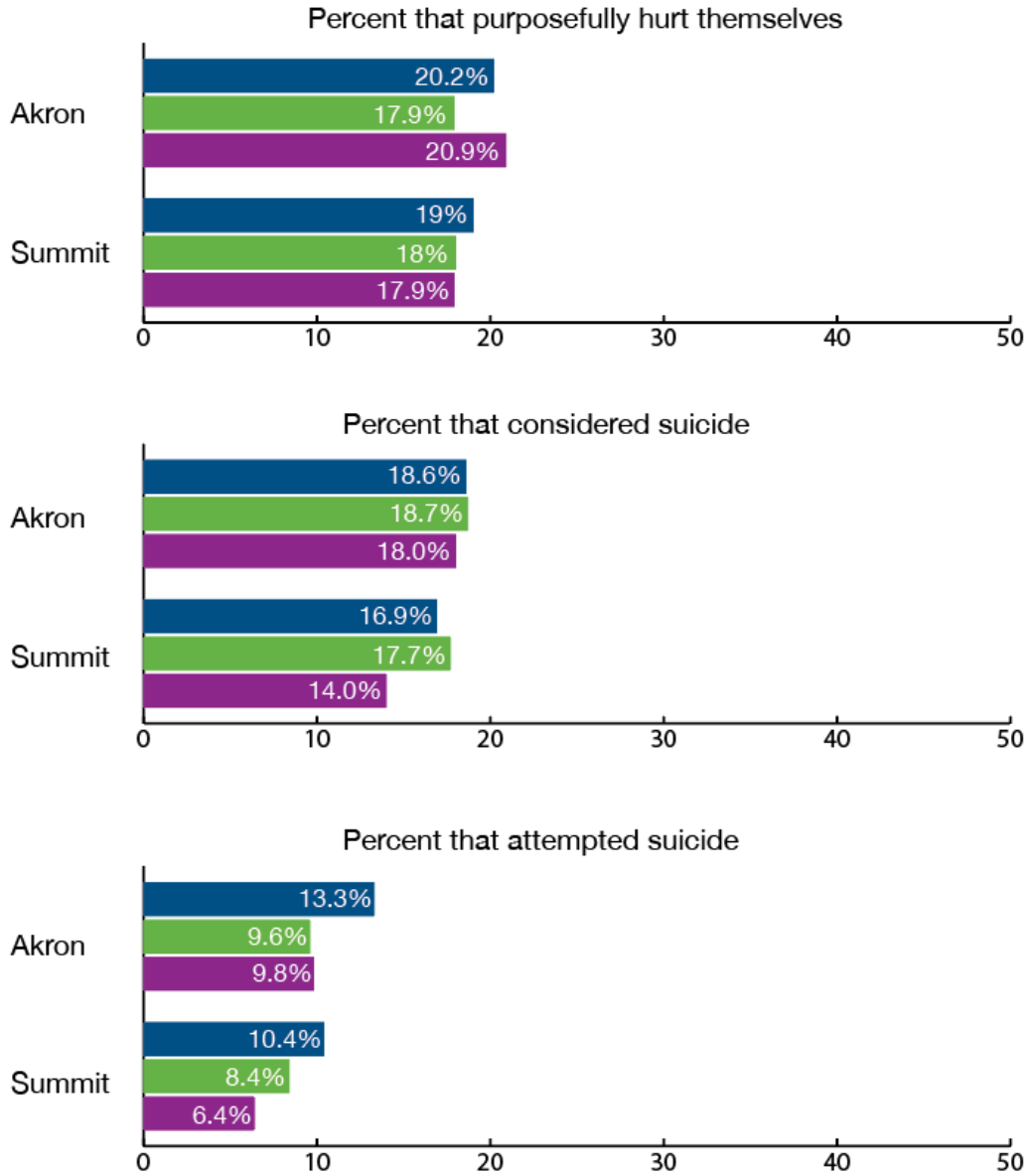
In reviewing this report, keep in mind that Akron data are included in the Summit County sample, which affects direct comparisons. Percentages may not total 100% due to rounding, and some visuals use varying scales to highlight trends or behaviors.



Figure 2.2. Students who Reported Suicide-Related Behaviors in the Past 12 Months, Summit County High School Trends

2013 2018 2023
■ ■ ■

Note: graphs have been scaled down for visual clarity





Demographic Prevalence

Grade Level. In Summit County, 12th grade students were significantly more likely to report depressive symptoms and receiving appropriate help compared to 9th grade students. In Akron, there were no differences by grade for depressive symptoms or receiving help. However, 9th grade students in Akron were more likely to report self-harm behaviors compared to older students in grades 11 and 12. There were no other differences by grade for suicide-related behaviors.

Race and Ethnicity. In Akron and Summit County, students identifying as multiple races were most likely to report depressive symptoms (**Figure 2.3.A** and **Figure 2.3.B**). Students who identified as multiple races or Hispanic were more likely to report self-harm in both Akron and Summit County. While there were no other differences by race and ethnicity in suicide-related behaviors in Akron specifically, Summit County students identifying as multiple races or Hispanic were more likely to report attempting suicide compared to other students. Lastly, students who identified as White were more likely to have received appropriate help compared to other students.

Sex. In both Akron and Summit County, female students were more likely to report significantly higher rates of depressive symptoms, self-harm, suicide ideation, suicide planning, and attempted suicide in the past 12 months compared to male students (**Figure 2.4**).

Gender Identity. In both Akron and Summit County, students who identified as transgender/non-binary reported significantly higher rates of depressive symptoms, self-harm, suicide ideation, suicide planning, and attempted suicide in the past 12 months compared to students identifying as cisgender (**Figure 2.5**).

Sexual Orientation. In both Akron and Summit County, students who identified as gay or lesbian, bisexual, or students who were questioning/unsure of their sexual orientation were significantly more likely than heterosexual students to report depressive symptoms, self-harm, suicide ideation, suicide planning, or attempted suicide in the past 12 months (**Figure 2.6.A** and **Figure 2.6.B**).

Demographic data for each metric are available in Appendix B.



Figure 2.3.A. Suicide-Related Behaviors by Race and Ethnicity, Summit County High School (2023)

Black White Asian Multiracial Hispanic

Note: graphs have been scaled down for visual clarity

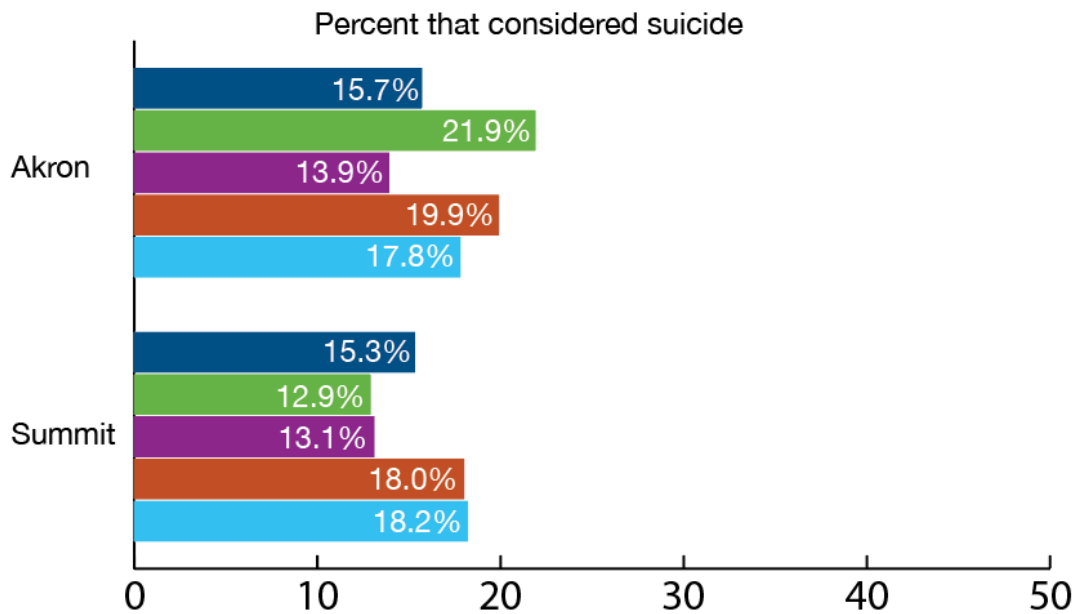
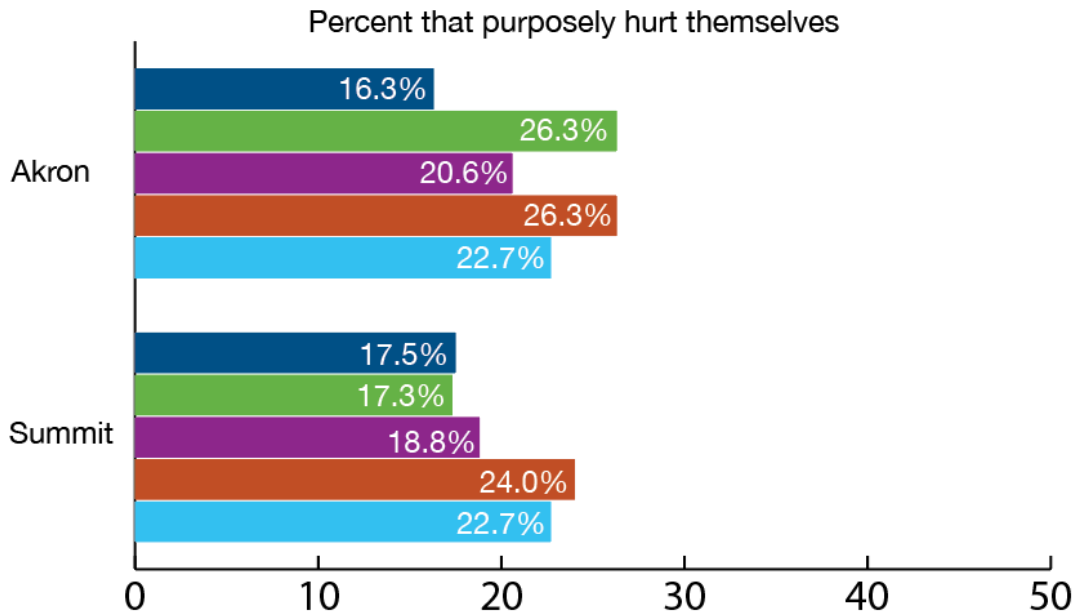




Figure 2.3.B. Suicide-Related Behaviors by Race and Ethnicity, Summit County High School (2023)

Black White Asian Multiracial Hispanic

Note: graphs have been scaled down for visual clarity

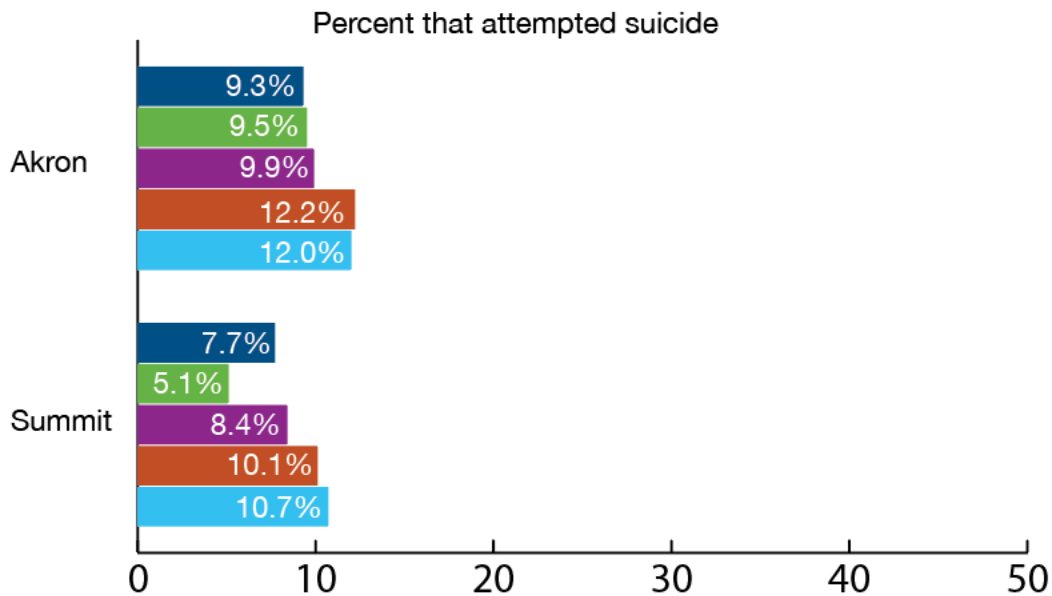
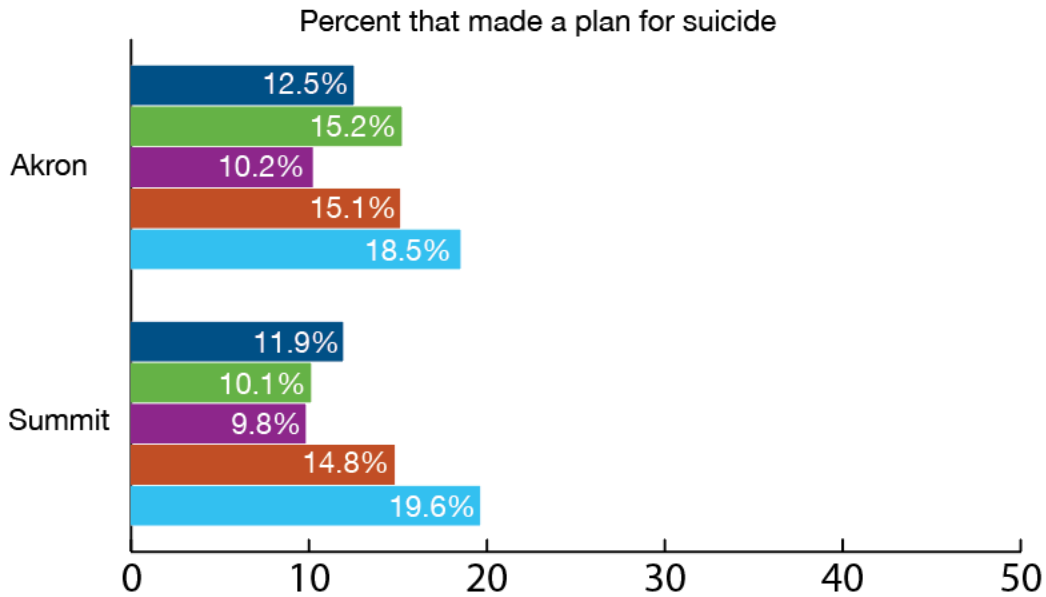




Figure 2.4. Suicide-Related Behaviors by Sex, Summit County High School (2023)

Male Female

Note: graphs have been scaled down for visual clarity

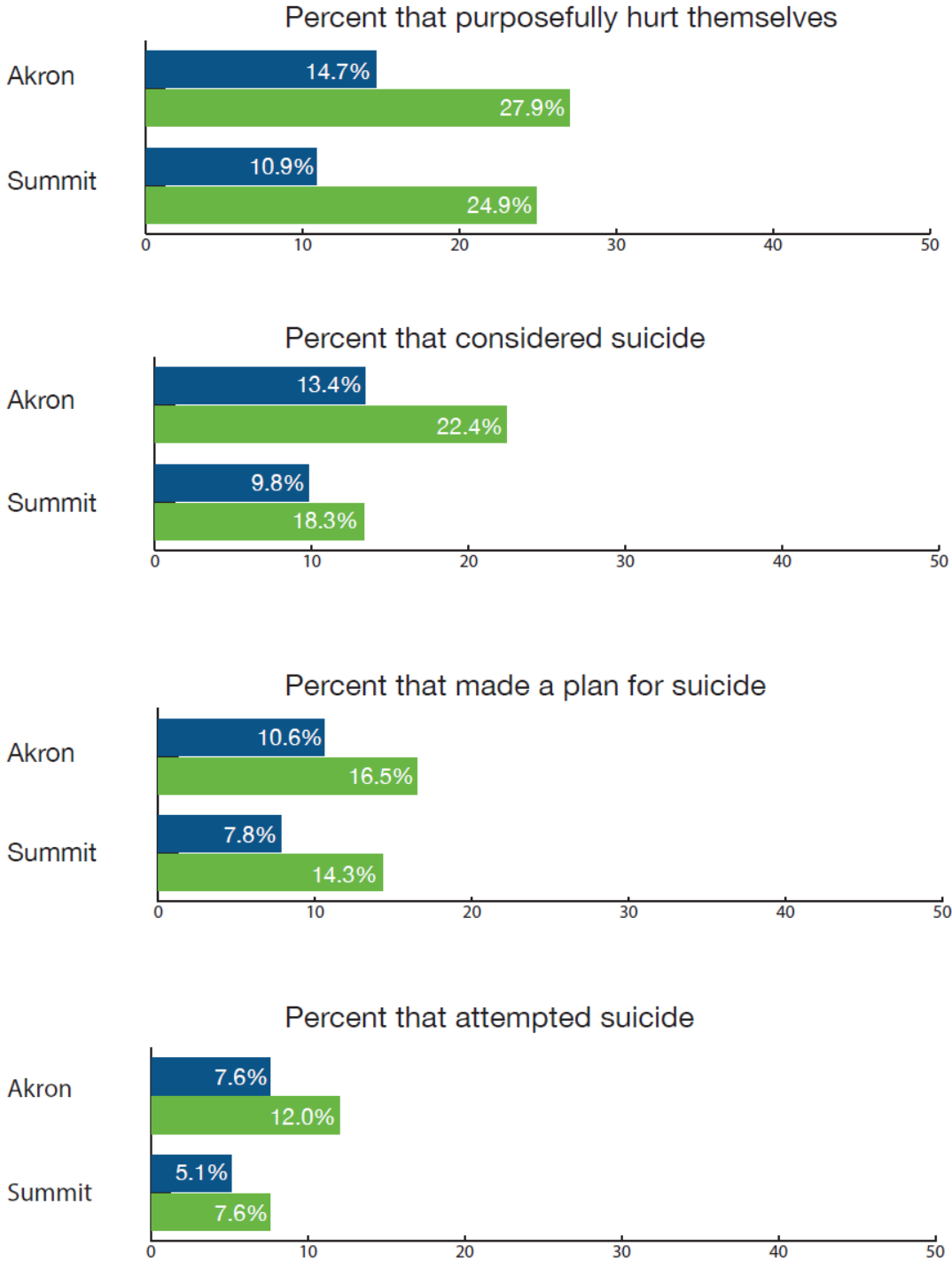




Figure 2.5. Suicide-Related Behaviors by Gender Identity, Summit County High School (2023)

Cisgender Trans/Non-Binary

Note: graphs have been scaled down for visual clarity

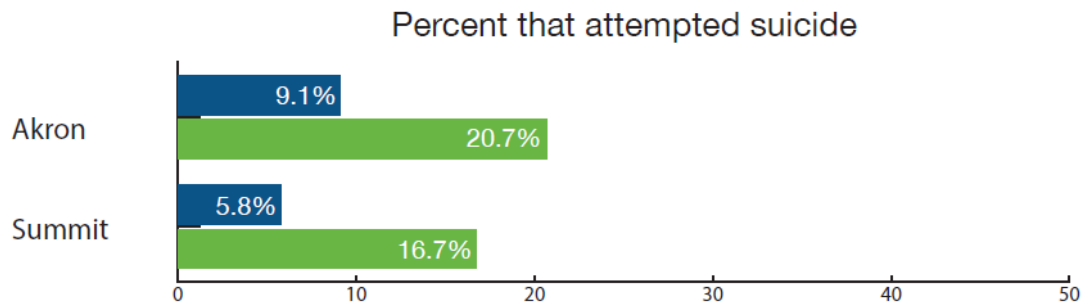
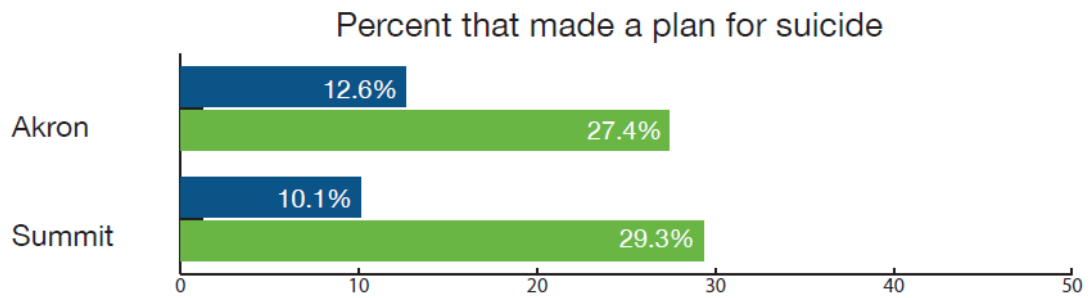
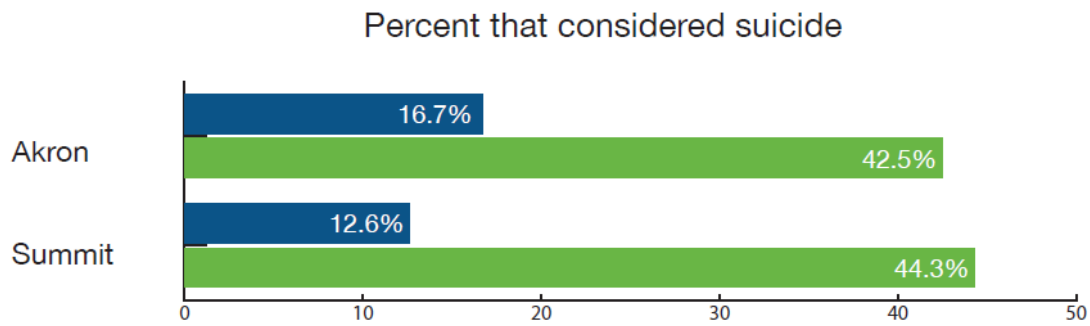
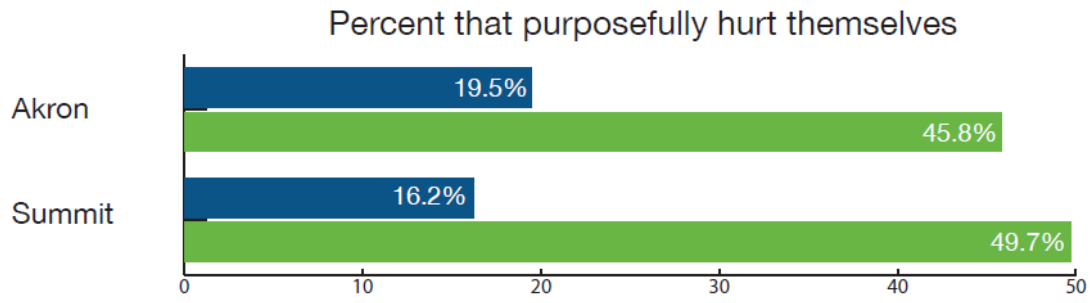




Figure 2.6.A. Suicide-Related Behaviors by Sexual Orientation, Summit County High School (2023)

Heterosexual Gay/ Lesbian Bisexual Questioning/Unsure

Note: graphs have been scaled down for visual clarity

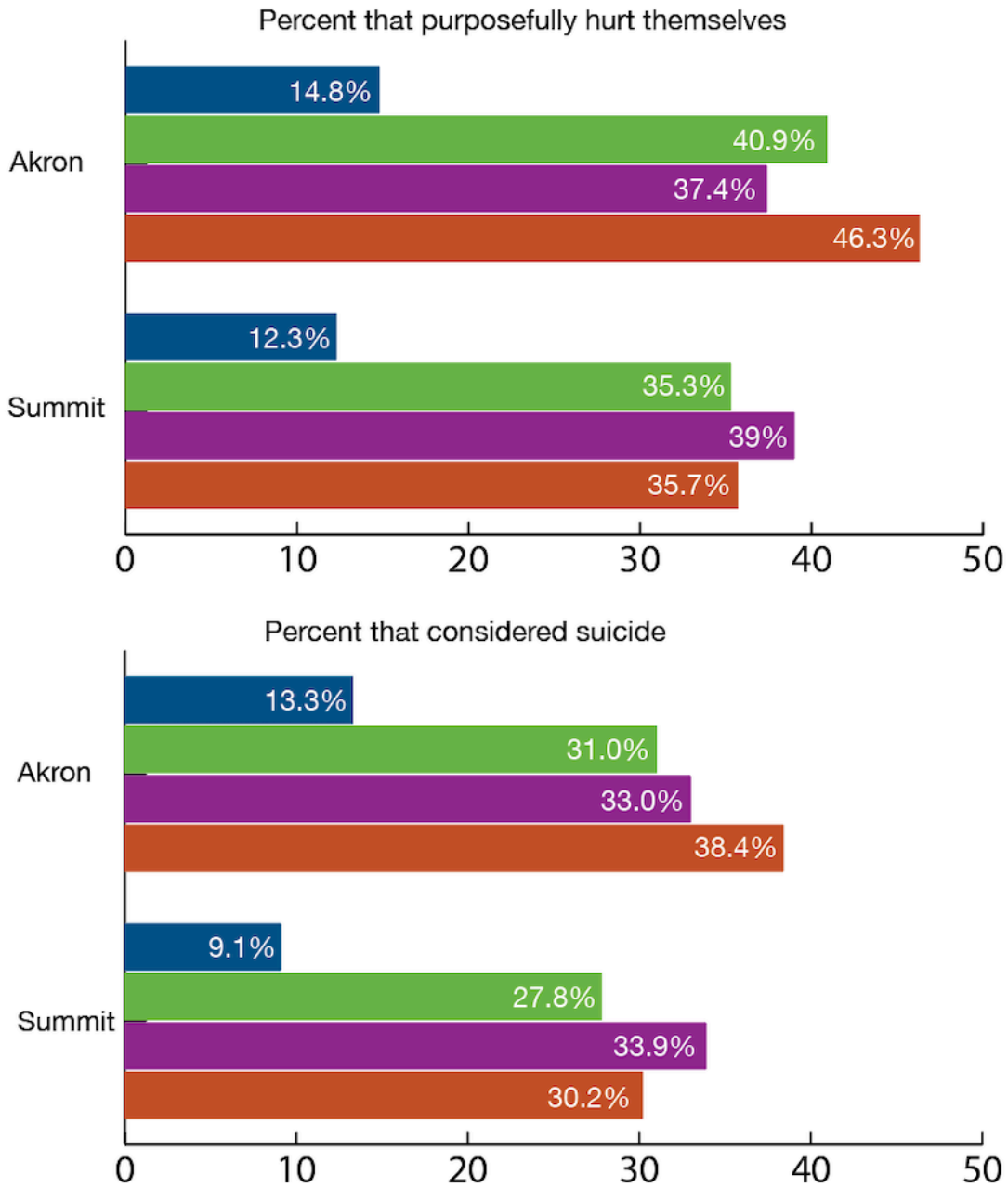


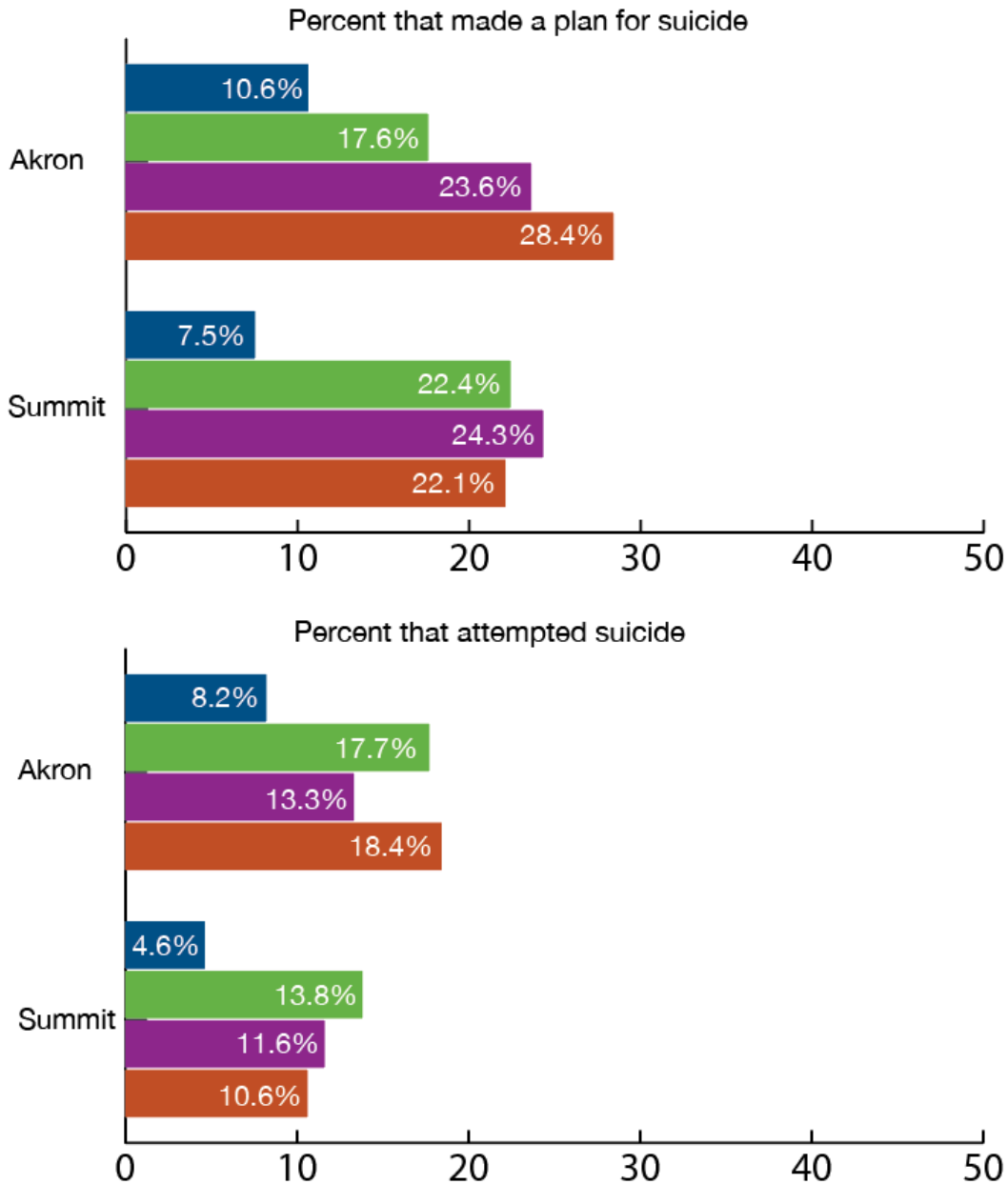


Figure 2.6.B. Suicide-Related Behaviors by Sexual Orientation, Summit County High School (2023)

Heterosexual Gay/ Lesbian Bisexual Questioning/Unsure



Note: graphs have been scaled down for visual clarity





Getting Help

In examining students who received help for when they were feeling sad, empty, hopeless, angry, or anxious across mental health outcomes, more than half reported depressive symptoms, self-harm, or suicide-related behaviors reported that they did not get the help they needed (**Figure 2.7.**).

Figure 2.7. Percentage of Youth That Received Help for Depressive Symptoms and Suicide-Related Behaviors (2023)

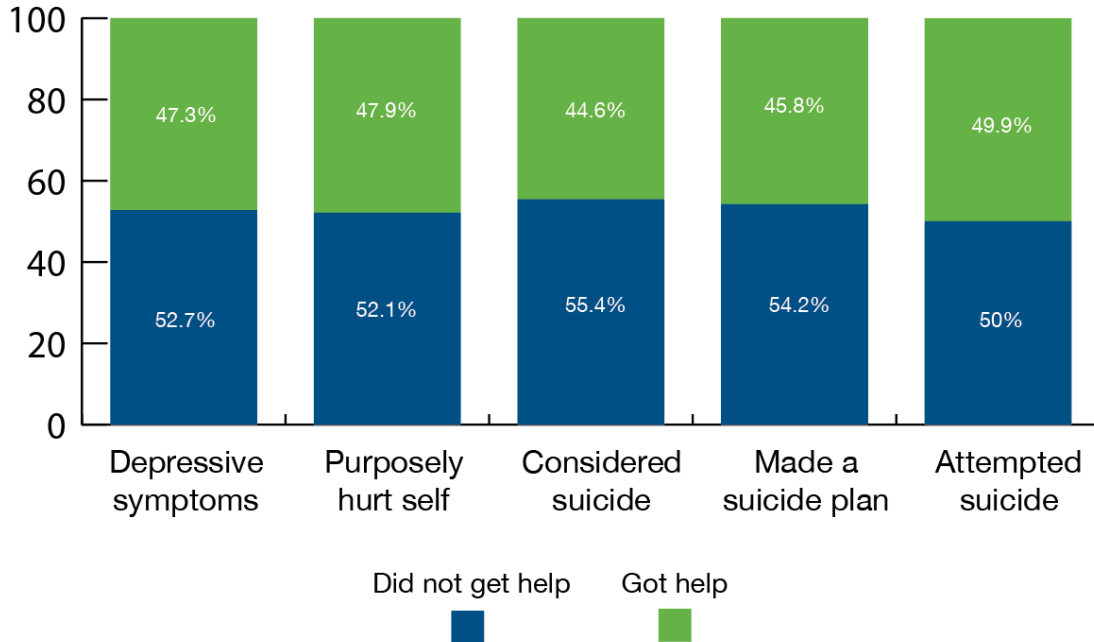




Table 2.1. Trends in Mental Health and Suicide Behaviors, Summit County (2013-2023)					
Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
Felt sad or hopeless (Almost every day for 2+ weeks that stopped doing usual activities during the 12 months before the survey)					
33.5* (31.9, 35.0)	35.4 (33.4, 37.4)	39.6 (37.0, 42.3)	29.4 (28.5, 30.4)	34.4* (33.3, 35.6)	30.9 (29.4, 32.4)
Hurt themselves without wanting to die (Such as cutting or burning themselves, during the 12 months before the survey)					
20.2 (18.7, 21.7)	17.9 (16.3, 19.6)	20.9 (18.7, 23.1)	19.0 (18.2, 19.9)	18.0 (17.1, 18.9)	17.9 (16.6, 19.1)
Seriously considered suicide (During the 12 months before the survey)					
18.6 (17.3, 19.9)	18.7 (17.3, 20.2)	18.0 (15.9, 20.0)	16.9* (16.1, 17.7)	17.7* (16.9, 18.6)	14.0 (12.7, 15.2)
Made a plan about how they would attempt suicide (During the 12 months before the survey)					
N/A	13.8 (12.5, 15.2)	13.6 (11.8, 15.3)	N/A	13.6* (12.7, 14.4)	11.0 (10.0, 12.1)
Attempted suicide (During the 12 months before the survey)					
13.3* (11.9, 14.7)	9.6 (8.5, 10.8)	9.8 (8.4, 11.3)	10.4* (9.7, 11.1)	8.4* (7.8, 9.0)	6.4 (5.5, 7.2)
Received help when sad, empty, hopeless, angry or anxious (Sometimes, most of the time or always)					
N/A	46.3 (44.0, 48.6)	45.7 (41.9, 49.5)	N/A	48.0 (46.6, 49.3)	51.3 (49.3, 53.4)
*Asterisks identify significant differences from either baseline (2013) or the previous year (2018) when compared to the current data for 2023.					

3 Tobacco & Substance Use



The Youth Risk Behavior Survey (YRBS) has consistently documented prevalence of tobacco use, including cigarettes and newer products like e-cigarettes. Data gathered through YRBS is vital for tracking trends and shaping public health strategies. Healthy People 2030 (HP2030) goals aim to reduce tobacco use across all age groups, with specific goals to lower initiation and prevalence among adolescents, including high school students. Using YRBS data, HP2030 supports evidence-based approaches to reduce tobacco-related health problems and help build a healthier, tobacco-free generation.

Substance use during adolescence affects physical and mental health, academic performance, and future outcomes.² Tracking substance use among youth involves examining alcohol, marijuana, prescription drugs, and other illicit substances, focusing on trends, patterns, prevalence, and risk factors that lead to negative health effects. These findings help shape prevention and intervention strategies aimed at reducing and preventing substance use among adolescents. This aligns with HP2030's goals to lower substance use in teens, encourage healthy development, and create environments that promote positive choices.

3.1. Tobacco & Nicotine Product Use

Tobacco use remains a critical public health concern, particularly among youth. Youth who initiate tobacco use have an increased risk of harm due to the impact smoking has on neurological development, increasing susceptibility to becoming lifelong smokers.³ Broad education and policy efforts to increase knowledge and skills to prevent tobacco use as well as “tobacco-free” environments seek to change social norms and permissiveness related to tobacco use. The 2023 Summit County High School YRBS asked students about their use of tobacco products such as cigarettes, cigar products, smokeless tobacco, and electronic vapor products in the past 30 days as well as the age they first tried a tobacco product, where they currently get their products, and their parents’ perceptions of their tobacco and nicotine product use.



Progress Towards Healthy People 2030 Objectives

The HP2030 objectives related to tobacco use have been detailed in the chart below. In both regions, use of all tobacco and nicotine products decreased since 2013. Summit County met the objectives set by HP2030 except for the use of cigar products (3.9%). Akron, however, has not met HP2030 targets for reducing current use of tobacco overall and various products except for cigarettes.

Healthy People 2030 Objectives	Akron City	Summit County	Status
TU-04: Reduce current tobacco use in adolescents to 11.3% or lower	12.2%	9.1%	Objective achieved in Summit County but not in Akron
TU-05: Reduce current e-cigarette use in adolescents to 10.5% or lower	12.0%	8.6%	Objective achieved in Summit County but not in Akron
TU-06: Reduce current cigarette smoking in adolescents to 3.4% or lower	2.7%	1.9%	Objective achieved in Summit County and Akron
TU-07: Reduce current cigar smoking in adolescents to 3.0% or lower	6.8%	3.9%	Objective not achieved in Summit County
TU-08: Reduce current use of smokeless tobacco products among adolescents to 2.3% or lower	2.5%	1.7%	Objective achieved in Summit County but not in Akron

Fewer Students Using Tobacco and Nicotine Products

In 2023, about one in five high school students in Summit County (20.3%) and one in four students in Akron (26.0%) reported having ever used a tobacco product. Since the state implemented Tobacco 21 (T21), the use of combustible tobacco products decreased in both Akron and Summit County (**Figure 3.1.A.**). Current use of electronic vapor products and all tobacco products also decreased with the greatest decrease in electronic vapor products, first measured in the 2018 Summit County YRBS.

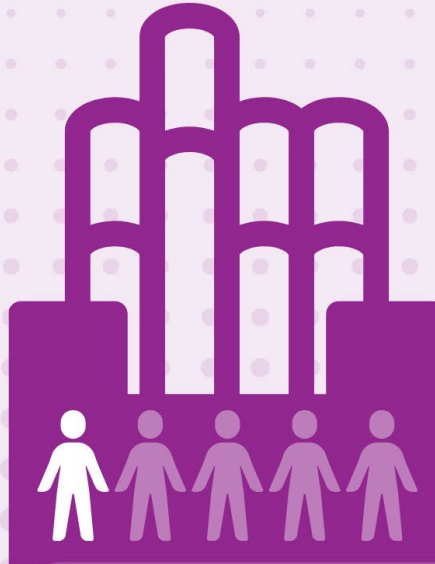
In reviewing this report, keep in mind that Akron data are included in the Summit County sample, which affects direct comparisons. Percentages may not total 100% due to rounding, and some visuals use varying scales to highlight trends or behaviors .

² "About Underage Drinking." Centers for Disease Control and Prevention. Accessed October 31, 2024. <https://www.cdc.gov/alcohol/underage-drinking/index.html>.

³ Preventing tobacco use among youth and Young Adults: A report of the surgeon general. Rockville, MD: U.S. Dept. of Health and Human Services, Public Health Service, Office of the Surgeon General, 2012.



Key Findings



1 in 5
Summit County
students have used a
**tobacco
product.**

**LGBTQ, Black, Hispanic, and
Multiracial students were
more likely to use tobacco**



**Decreased
Vaping**

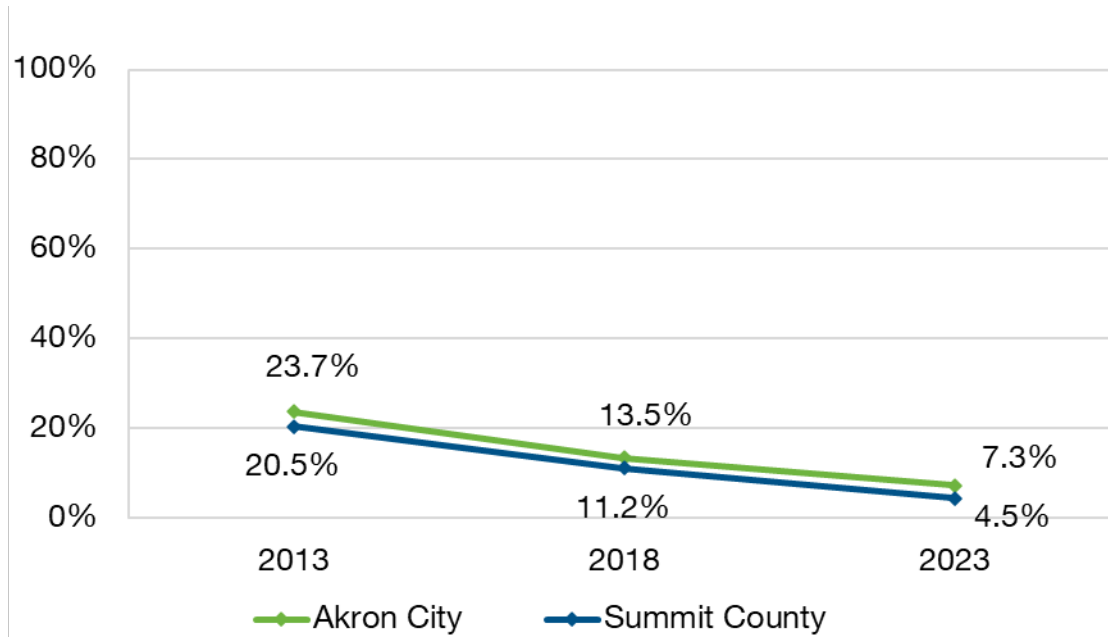
Akron & County

Combustible Tobacco

Akron & County



Figure 3.1.A. Current Use of Any Combustible Tobacco Product, Summit County, High School Trends



Note: Only combustible tobacco products such as cigarettes and cigar products were included in this figure due changes in metrics (such as the inclusion of electronic cigarettes in 2018) over time.

The prevalence of current tobacco or nicotine product use decreased in Summit County and Akron since 2013 (**Figure 3.1.B.**) Akron students reported using electronic vapor products and cigars more than students in Summit County.

Akron students were also more likely to have used their first tobacco product before age 13, with 9.7% of Akron students and 6.5% of Summit County students starting before that age. Among those who had ever used tobacco, trends show that the proportion using before age 13 is increasing, suggesting that youth who smoke may be starting at an earlier age.

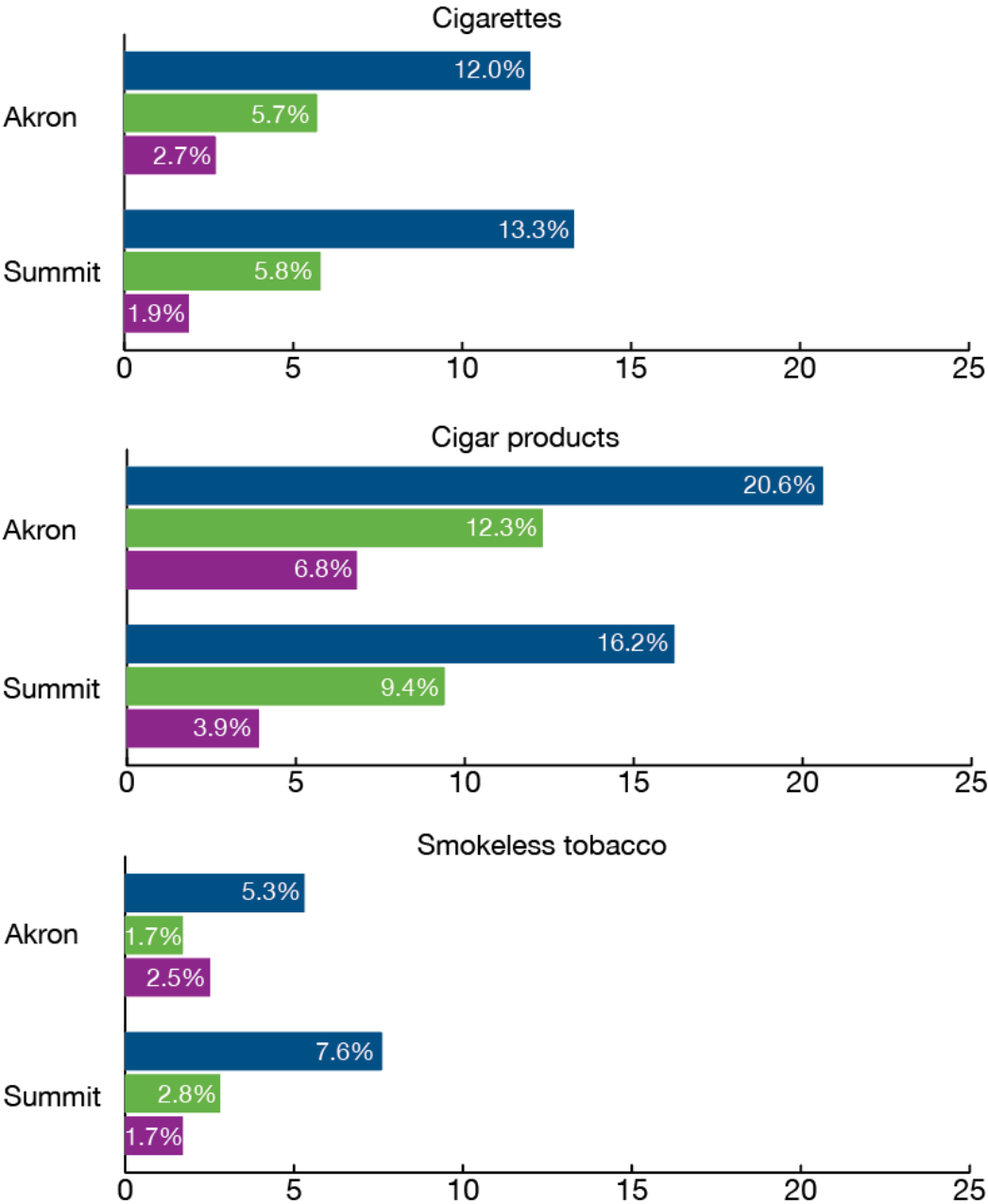
In reviewing this report, keep in mind that Akron data are included in the Summit County sample, which affects direct comparisons. Percentages may not total 100% due to rounding, and some visuals use varying scales to highlight trends or behaviors.



Figure 3.1.B. Current Use of Tobacco & Nicotine Products, Summit County High School Trends

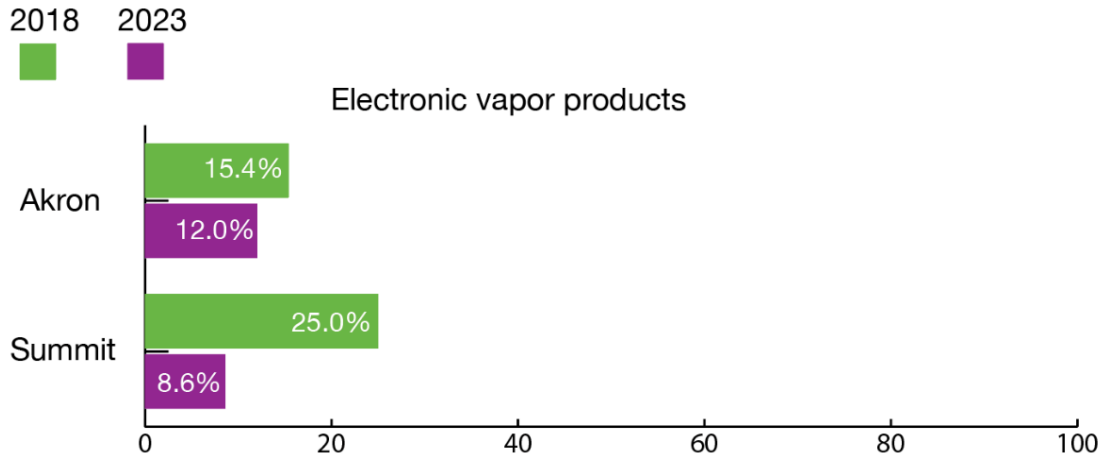
2013 2018 2023

Note: graphs have been scaled down for visual clarity





Chapter 3: Tobacco & Substance Use

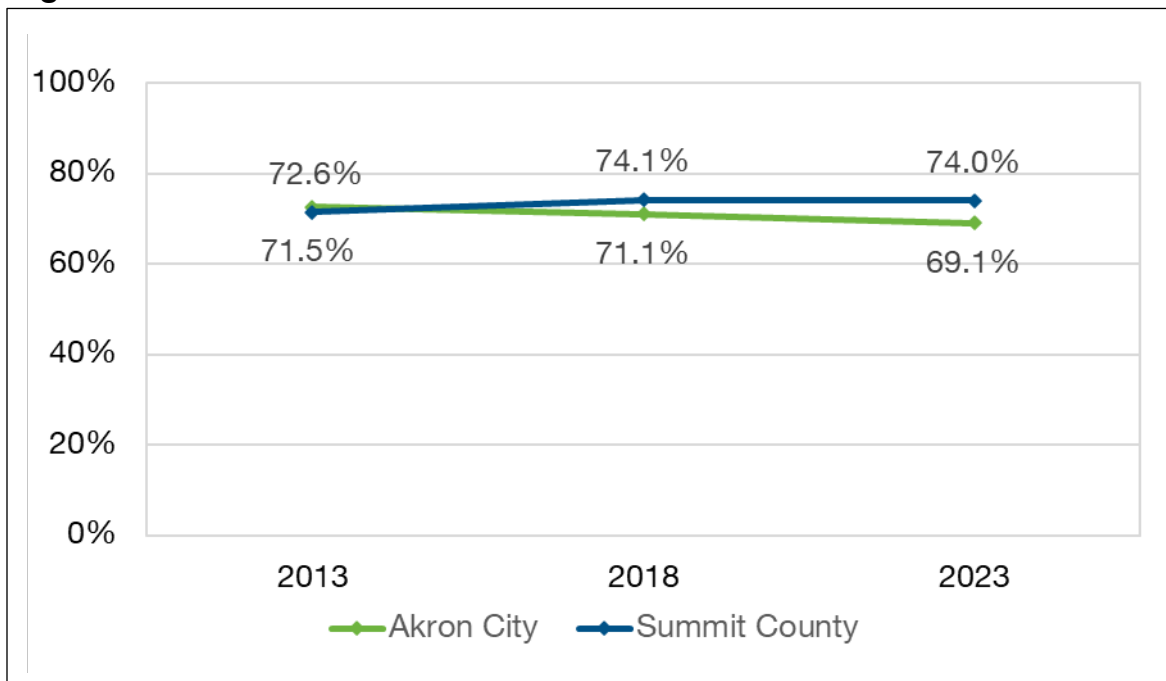


Note: Use of electronic vapor products was not asked until the 2018 YRBS administration.

Parental Acceptance of Tobacco is Growing in Akron

Summit County students were more likely to report that their parents think using tobacco is "very wrong" compared to students in Akron (**Figure 3.1.C.**) a trend observed since 2013.

Figure 3.1.C. Trends in Parental Perception of Tobacco Use, Summit County High School Trends



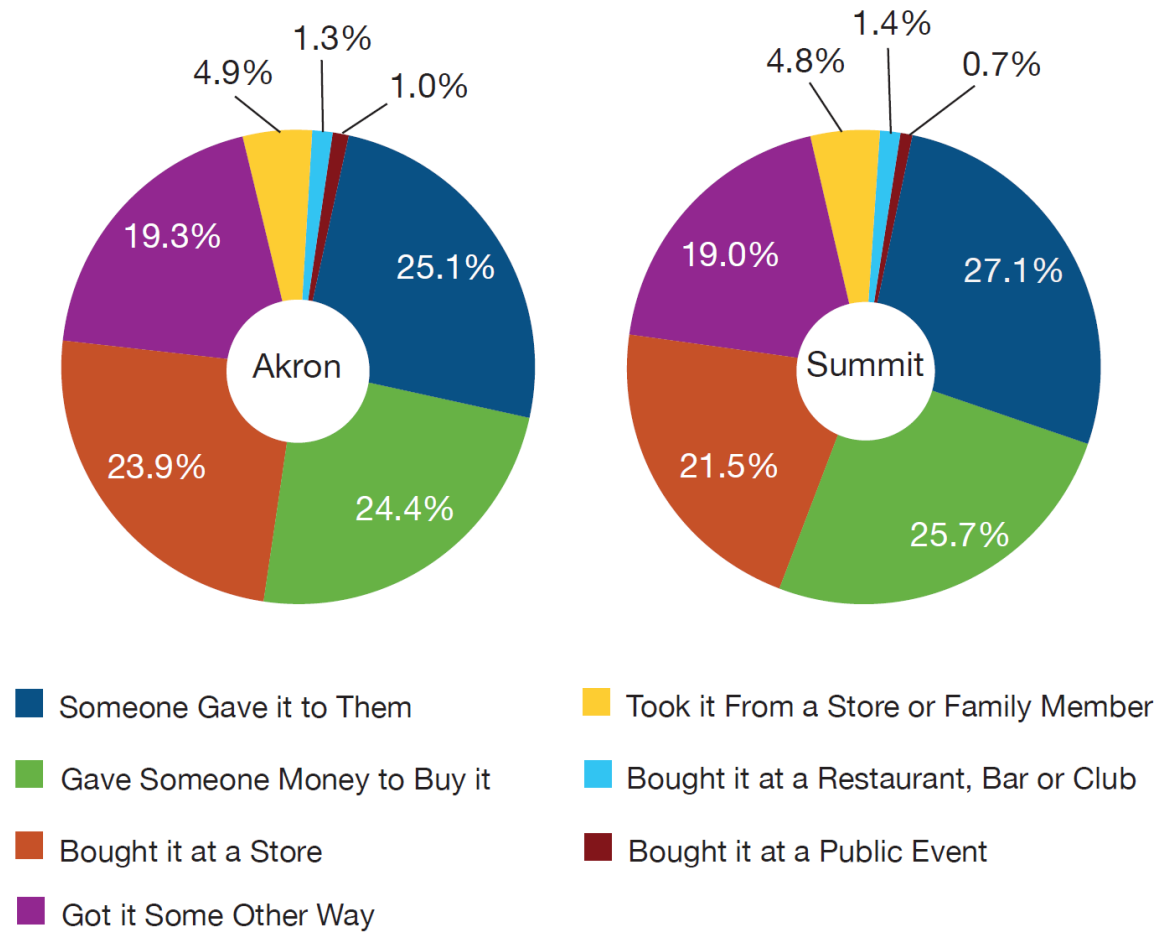
Note: Parental perceptions are reflected by students reporting that their parents would think it is very wrong for them to use tobacco.



Students are Still Buying Tobacco

While about half of students who use tobacco said someone else provided it or they gave someone money to buy it, one in five students reported buying it from a store (**Figure 3.1.D**).

Figure 3.1.D. Where Students Usually Obtained Tobacco or Nicotine Products, Summit County (2023)





Demographic Prevalence

Grade Level. In Summit County, 9th grade students were less likely to have ever used or currently use tobacco compared to 12th grade students. Older students (11th and 12th grade) were also less likely to believe their parents would think tobacco use is “very wrong”.

Race and Ethnicity. Black, Hispanic, and multiracial students in both Akron and Summit County were more likely to have ever used or currently use tobacco or nicotine products compared to White or Asian students. Students who use these products were also more likely to report using two or more tobacco products in the past 30 days. White, Hispanic, multiracial, and Asian students in Akron were more likely to use electronic vapor products, while Black students reported equal use of vapor and cigar products. Asian students had the highest rate of believing their parents thought tobacco use was “very wrong”.

Sex. In Summit County, female students were more likely to have ever used or currently use tobacco products compared to male students. Electronic vapor products were the most common product used by both sexes.

Gender Identity. Transgender or non-binary students were about twice as likely to use tobacco products compared to cisgender students in both Akron and Summit County. They were also less likely to think their parent’s viewed tobacco use as wrong.

Sexual Orientation. Students identifying as lesbian, gay, or bisexual were two to three times more likely to use tobacco products than heterosexual students. Electronic vapor products were the most used, although students questioning their sexual orientation were just as likely to use cigar products. These students were also less likely to believe their parents thought tobacco use was wrong.

Demographic data for each metric are available in Appendix B.



Table 3.1. Trends in Tobacco and Nicotine Product Use, Summit County (2013-2023)						
Akron City % (95% CI)			Summit County % (95% CI)			
2013	2018	2023	2013	2018	2023	
Have ever used any tobacco product^a (Including cigarettes, electronic vapor products, smokeless tobacco, cigars, shisha or hookah tobacco, pipe tobacco)						
N/A	25.4 (23.4, 27.4)	26.0 (23.4, 28.6)	N/A	25.8* (24.3, 27.2)	20.3 (18.8, 21.7)	
Current use of any tobacco or nicotine products (Use of any cigarette, cigar products, electronic vapor products, or smokeless tobacco in the 30 days before the survey)						
N/A	22.0* (20.4, 23.7)	12.2 (9.8, 14.6)	N/A	27.9* (26.6, 29.2)	9.1 (8.0, 10.2)	
Current cigarette use (Smoked cigarettes during the 30 days before the survey)						
12.0* (10.8, 13.2)	5.7* (4.6, 6.8)	2.7 (1.6, 3.8)	13.5* (12.7, 14.3)	5.8* (5.2, 6.4)	1.9 (1.4, 2.3)	
Current cigar use^b (Smoked cigars, cigarillos, little cigars, or flavored cigars, during the 12 months before the survey)						
20.6* (18.8, 22.4)	12.3* (10.5, 14.0)	6.8 (4.5, 9.1)	16.2* (15.3, 17.1)	9.4* (8.6, 10.2)	3.9 (3.0, 4.8)	
Current electronic vapor product use (Used an electronic vapor product during the 30 days before the survey)						
N/A	15.4 (14.0, 16.7)	12.0 (9.6, 14.5)	N/A	25.0* (23.8, 26.3)	8.6 (7.6, 9.6)	
Current use of smokeless tobacco^c (Used chewing tobacco, snuff or dip, during the 30 days before the survey)						
5.3* (4.5, 6.1)	1.7 (1.1, 2.4)	2.5 (1.4, 3.7)	7.6* (7.0, 8.2)	2.8* (2.3, 3.3)	1.7 (1.2, 2.1)	
Current use of multiple tobacco or nicotine products (Use of 2 or more products including cigarettes, cigar products, electronic vapor products, or smokeless tobacco in the 30 days before the survey.)						
N/A	8.3 (7.2, 9.4)	6.9 (4.7, 9.1)	N/A	9.6* (8.7, 10.5)	4.2 (3.4, 5.0)	



Chapter 3: Tobacco & Substance Use

Table 3.1. Trends in Tobacco and Nicotine Product Use, Summit County (2013-2023)					
Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
Used their first tobacco product before the age of 13 (among <i>all</i> students.)					
N/A	8.9 (7.6, 10.2)	9.7 (8.1, 11.2)	N/A	7.1 (6.4, 7.8)	6.5 (5.6, 7.3)
Used their first tobacco product before the age of 13 (among only those who have ever used tobacco.)					
N/A	25.8* (23.3, 28.3)	37.2 (32.8, 41.6)	N/A	22.5* (21, 24.1)	31.9 (28.3, 35.6)
Usually got tobacco from someone who gave it to them (among those who have ever used tobacco)					
21.0 (18.0, 23.9)	N/A	25.1 (19.3, 31.0)	23.2 (21.3, 25.2)	N/A	27.1 (23.0, 31.3)
Parents think it is very wrong for them to use tobacco^d					
72.6 (70.8, 74.4)	71.1 (69.1, 73.1)	69.1 (66.8, 71.4)	71.5 (70.4, 72.5)	74.1 (72.8, 75.3)	74.0 (72.5, 75.5)
<p>^a Prior to 2023, item was asked about use of cigarettes, cigars, little cigars, flavored cigars, shisha or hookah tobacco, and chewing tobacco. In 2023, item was adapted to include cigarettes, electronic vapor products, smokeless tobacco, cigars, shisha or hookah tobacco, and pipe tobacco.</p> <p>^b Prior to 2023, item included examples for cigar products such as Black & Milds, Swisher Sweets, or Phillies. In 2023, examples were updated to include Swisher Sweets (including Black & Mild) or Backwoods.</p> <p>^c Prior to 2023, item included examples such as Redman, Levi Garrett, Beechnut, Skoal, Skoal Bandits, or Copenhagen. In 2023, item was expanded to include Copenhagen, Grizzly, Skoal, Camel Snus, or Velo Nicotine Lozenges.</p> <p>^d Prior to 2023, tobacco products included cigarettes, cigars, chewing tobacco. In 2023, it was expanded to include hookah and electronic vapor products as well.</p> <p>*Asterisks identify significant differences from either baseline (2013) or the previous year (2018) when compared to the current data for 2023.</p>					



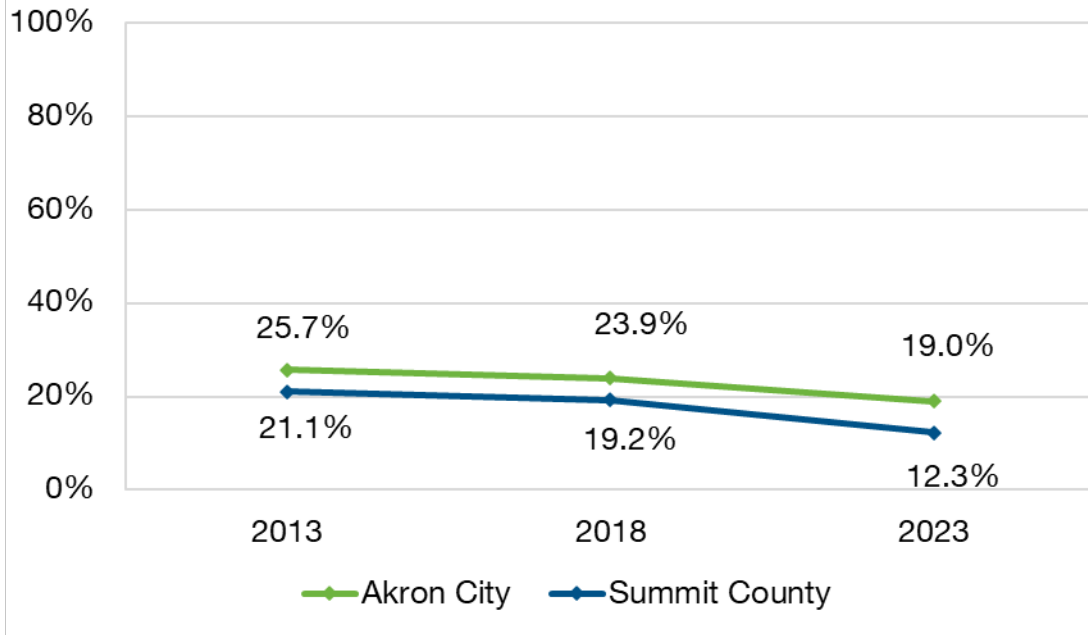
3.2. Marijuana Use

Progress Towards Healthy People 2030 Objectives

The prevalence of marijuana use decreased in both Akron and Summit County since 2013. This includes reductions in lifetime marijuana use, use within the past 30 days, and the proportion of students who tried marijuana before age 13. Despite these decreases, disparities remain between the city and county. In Akron, 19.0% of adolescents reported using marijuana on one or more days in the past 30 days, compared to 12.3% in Summit County (**Figure 3.2.A**). Marijuana use remains higher in Summit County and Akron than the HP2030 target (5.8%).

Healthy People 2030 Objectives	Akron City	Summit County	Status
SU-06: Reduce the proportion of adolescents who used marijuana in the past month to 5.8% or lower	19.0%	12.3%	Objective not achieved in Summit County

Figure 3.2.A. Current Use of Marijuana, Summit County High School Trends





Key Findings



1 in 5
Akron students
have used
marijuana.

More than half
of Summit county students who use marijuana
primarily smoke
compared to eating or vaping.



Higher Rates of Marijuana Use

Females
Akron & County

Black & Multiracial
Akron & County

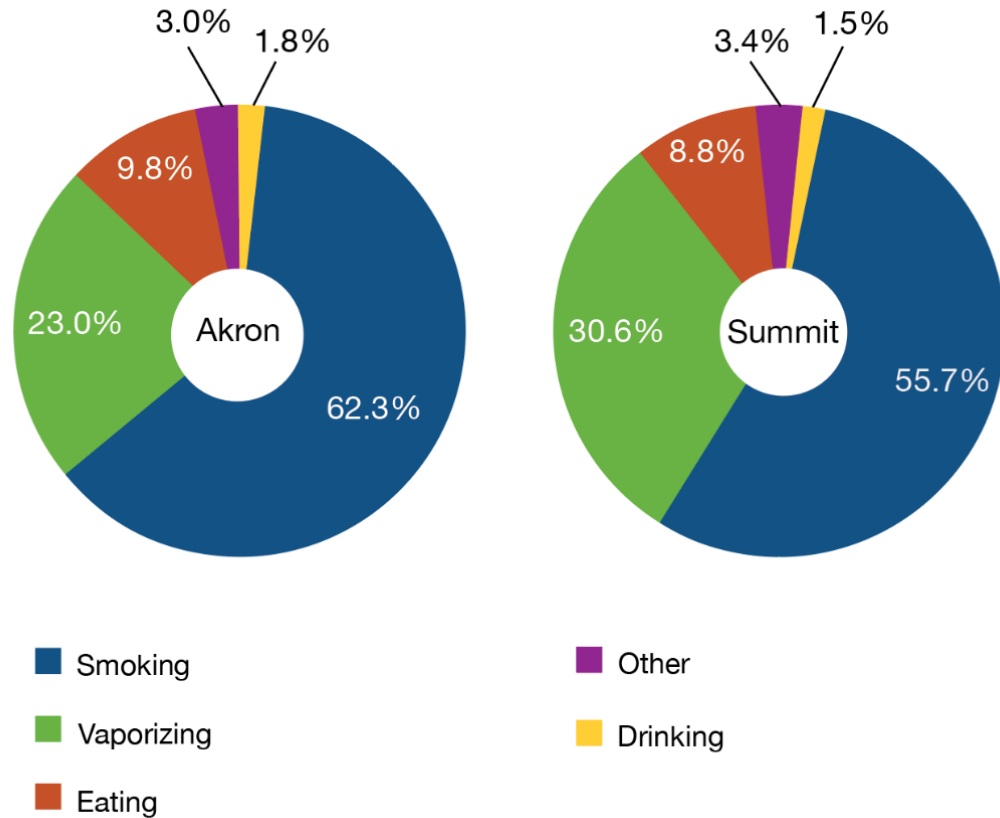
LGBTQ
Akron & County



Students Typically Smoke Marijuana

Among those who used marijuana, the majority reported smoking it. A smaller percentage reported vaporizing marijuana, which was more common in Summit County than in Akron (Figure 3.2.B).

Figure 3.2.B. How Students Usually Used Marijuana, Summit County High School (2023)



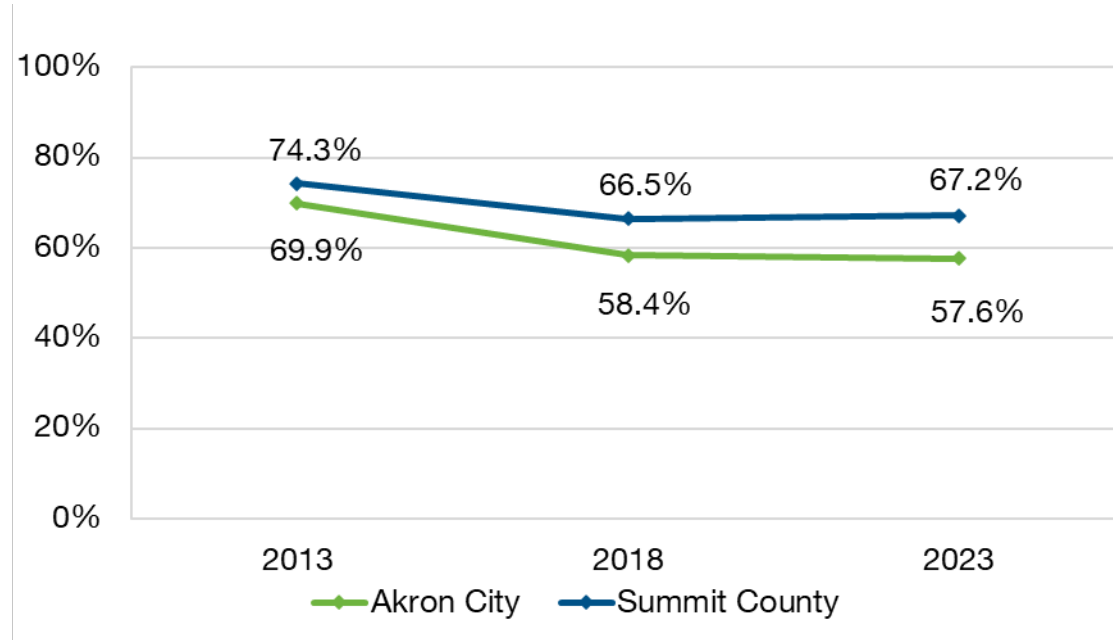
In reviewing this report, keep in mind that Akron data are included in the Summit County sample, which affects direct comparisons. Percentages may not total 100% due to rounding, and some visuals use varying scales to highlight trends or behaviors.



Parental Acceptance of Marijuana is Growing

Since 2013, the prevalence of students indicating that their parents think it would be “very wrong” for them to use marijuana decreased in both Akron and Summit County, with a greater decrease in Akron (57.6%) compared to Summit County (67.2%) (**Figure 3.2.C**).

Figure 3.2.C. Parental Perceptions of Marijuana Use, Summit County High School Trends



Note: Parental perceptions are reflected by students reporting that their parents would think it is very wrong for them to use marijuana. Scale has been modified for visual clarity.



Demographic Prevalence

Grade Level. Like patterns observed with tobacco, 9th and 10th grade students in both regions were less likely to have ever used or currently use marijuana compared to 11th and 12th grade students in higher grades. Co-using tobacco and marijuana was more common among 12th grade students (7.8%) compared to 9th grade students (4.2%), a difference only observed in Summit County. Perceptions of parental acceptance of marijuana use increased as students progressed through high school.

Race and Ethnicity. In Summit County, students who identified as Black, Hispanic, or multiracial were more likely to report having ever used or currently use marijuana compared to White or Asian students. However, in Akron, the prevalence of marijuana use was also high among White students, with a much lower prevalence among Asian students. Regarding parental acceptance, Asian students were more likely to report that their parents think it would be “very wrong” for them to use marijuana compared to all other student groups in both Akron and Summit County. Similar trends in marijuana-tobacco co-use were observed across both Akron and Summit County, where Black students and those identifying as multiple races were more likely to smoke marijuana compared to other racial and ethnic groups.

Sex. Females in Akron and Summit County were more likely to have ever used or currently use marijuana compared to male students. In Summit County, females had a higher prevalence of co-use behaviors (7.7%) compared to males (5.1%). Female students in both regions were also less likely to believe their parents would strongly disapprove of marijuana use.

Gender Identity. Students identifying as transgender were roughly twice as likely to have ever used or currently use marijuana, or to co-use both tobacco and marijuana, compared to cisgender students in both Akron and Summit County. They were also less likely to report that their parents would strongly disapprove of marijuana use.

Sexual Orientation. While there were no significant differences in current marijuana use based on sexual orientation, students identifying as lesbian, gay, or bisexual were two to three times more likely to report co-using both tobacco and marijuana compared to heterosexual students in both Akron and Summit County. These students were also less likely to believe that their parents would strongly disapprove of marijuana use.

Demographic data for each metric are available in Appendix B.



Chapter 3: Tobacco & Substance Use

Table 3.2. Trends in Marijuana Use, Summit County, 2013-2023

Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
Ever tried marijuana					
42.4* (40.0, 44.9)	38.8* (36.3, 41.4)	29.3 (26.7, 31.9)	36.6* (35.3, 38.0)	32.2* (30.7, 33.8)	20.6 (19.0, 22.1)
Current marijuana use (Used one or more times during the 30 days before the survey.)					
25.7* (23.8, 27.7)	23.9* (21.7, 26.1)	19.0 (16.5, 21.5)	21.1* (20.1, 22.1)	19.2* (18.1, 20.4)	12.3 (11.1, 13.5)
Current marijuana and tobacco use (Used both marijuana <i>and</i> any tobacco product one or more times during the 30 days before the survey.)					
N/A	13.0* (11.5, 14.5)	9.3 (7.2, 11.4)	N/A	14.1* (13.1, 15.1)	6.4 (5.4, 7.3)
Tried marijuana before the age of 13 (Among <i>all</i> students.)					
13.6* (12.3, 15.0)	9.9 (8.5, 11.2)	8.2 (6.9, 9.4)	9.2* (8.6, 9.9)	6.8* (6.1, 7.4)	5.0 (4.3, 5.7)
Tried marijuana before the age of 13 (Among those who have ever used marijuana.)					
31.1 (28.4, 33.8)	27.0 (24.2, 29.7)	25.1 (21.7, 28.6)	24.7 (23.2, 26.3)	22.5 (20.8, 24.2)	22.3 (19.3, 25.3)
Usually used marijuana by smoking it (Usually smoked marijuana in a joint, bong, pipe, or blunt, among users in the 30 days before the survey.)					
N/A	85.3* (82.7, 88.0)	62.3 (54.8, 69.8)	N/A	76.0* (73.8, 78.2)	55.7 (50.6, 60.7)
Parents feel it would be very wrong for them to use marijuana					
69.9* (68.1, 71.7)	58.4 (56.2, 60.6)	57.6 (55.1, 60.2)	74.3* (73.2, 75.3)	66.5 (65.3, 67.8)	67.2 (65.5, 68.9)
*Asterisks identify significant differences from either baseline (2013) or the previous year (2018) when compared to the current data for 2023.					



3.3. Alcohol Use

Alcohol is the most widely used substance among adolescents in America. Its use has been associated with various risks, including unintentional injuries, physical altercations, academic and job problems, and illegal behaviors.⁴ Alcohol has been a major contributing factor in approximately one-third of all unintentional injury deaths, homicides, and suicides among youth.⁵ More adolescents use alcohol than tobacco or illicit drugs in the U.S., and teens who begin drinking before age 15 are five times more likely to develop alcohol dependence compared to those who start drinking at age 21.

Progress Towards Healthy People 2030 Objectives

Current drinking levels in both Akron and Summit County are more than twice the HP2030 target goal. However, there have been substantial decreases in binge drinking over the past month, with both Akron and Summit County surpassing the HP2030 target goal for binge drinking reductions.

Healthy People 2030 Objectives	Akron City	Summit County	Status
SU-04: Reduce the proportion of adolescents who drank alcohol in the past month to 6.3% or lower	13.4%	14.6%	Objective not achieved in Summit County
SU-09: Reduce the proportion of people under 21 years who engaged in binge drinking in the past month to 8.4% or lower	6.4%	7.0%	Objective achieved in Summit County

Alcohol Use Decreased

The prevalence of alcohol use decreased substantially in both Akron and Summit County. The prevalence of those who currently drink decreased by 50% in both Akron and Summit County since 2013 (**Figure 3.3.A**). Binge drinking also decreased in both regions. In 2018, there were noticeable differences between Akron and Summit County, with Summit County students reporting higher levels of binge drinking. However, by 2023, these differences disappeared, with the prevalence of binge drinking reaching 6.4% in Akron and 7.0% in Summit County (**Figure 3.3.B**).

⁴ Alcohol and Public Health: Alcohol-Related Disease Impact (ARDI).” Centers for Disease Control and Prevention. Accessed October 31, 2024. https://nccd.cdc.gov/DPH_ARDI/default/default.aspx.

⁵ Mortality Among Teenagers Aged 12-19 Years: United States, 1999-2006.” Centers for Disease Control and Prevention, November 6, 2015. <https://www.cdc.gov/nchs/products/databriefs/db37.htm>



Key Findings



1 in 2

Summit County students

drank alcohol.

1 in 3 Akron students
first drank alcohol
before age 13.



Higher Rates of Alcohol Use

Females
White, Hispanic, & Multiracial
LGBTQ

Decreased Binge Drinking

Akron & County





Figure 3.3.A. Students Who Currently Drink, Summit County High School Trends

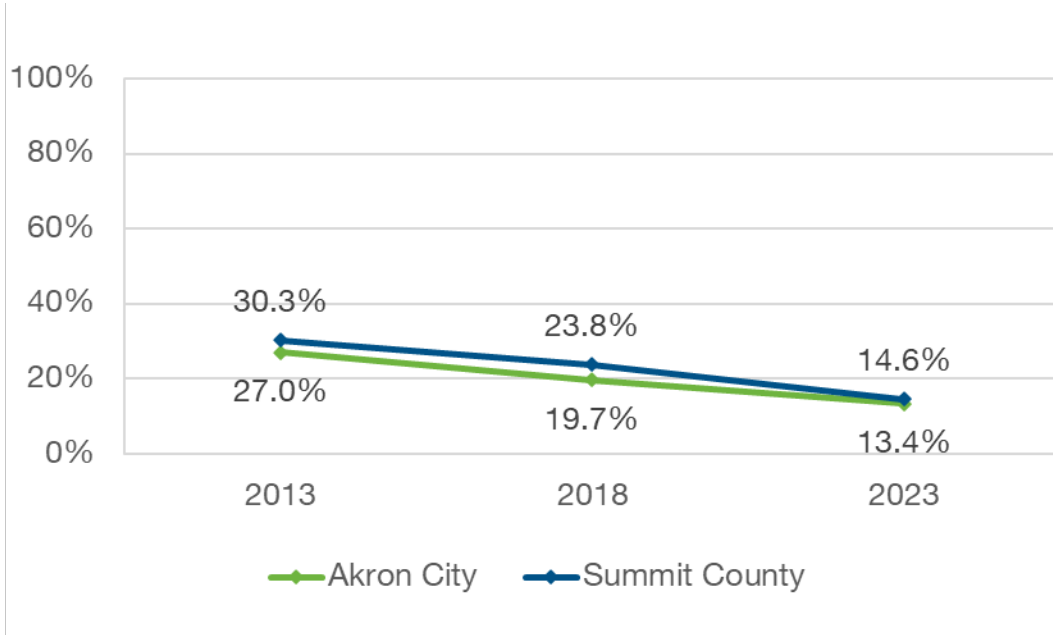
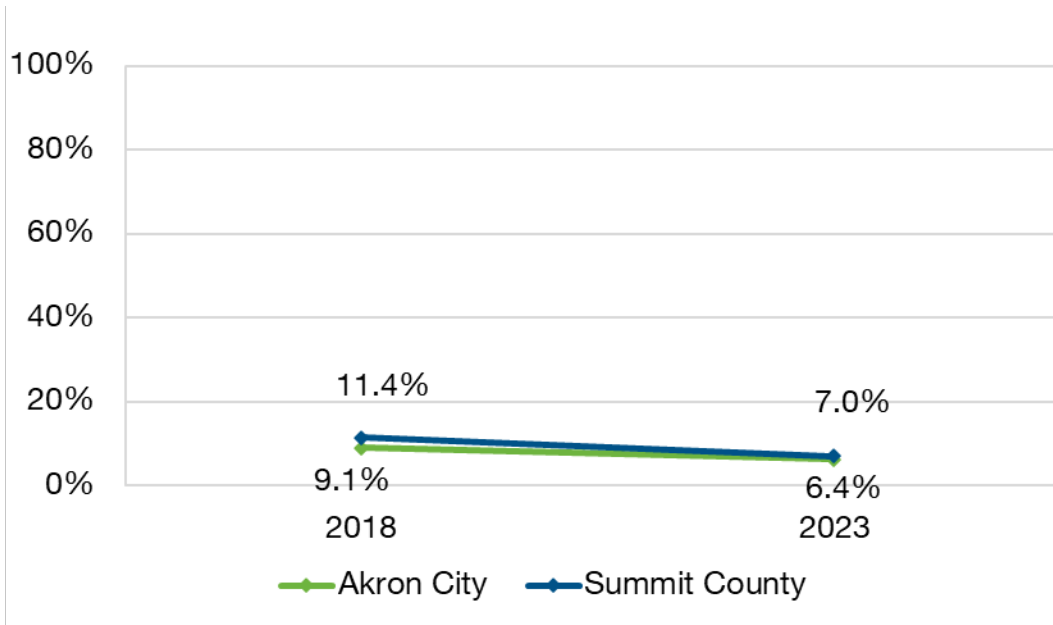


Figure 3.3.B. Students Who Currently Binge Drink, Summit County High School Trends

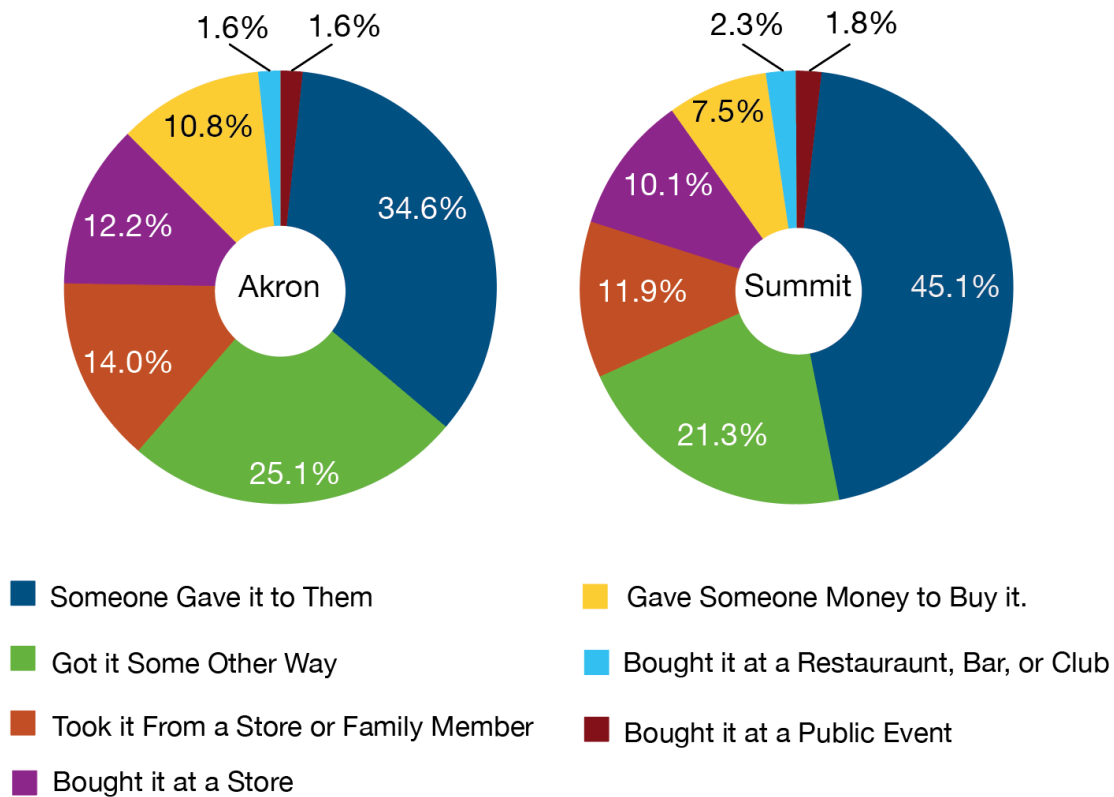




Chapter 3: Tobacco & Substance Use

There are notable differences in how students who drink in Akron and Summit County usually obtained alcohol with 34.6% and 45.1% of students, respectively, reporting getting alcohol from someone else, showing minimal change since 2013 (Figure 3.3.C.).

Figure 3.3.C. How Students Usually Obtained Alcohol, Summit County High School (2023)



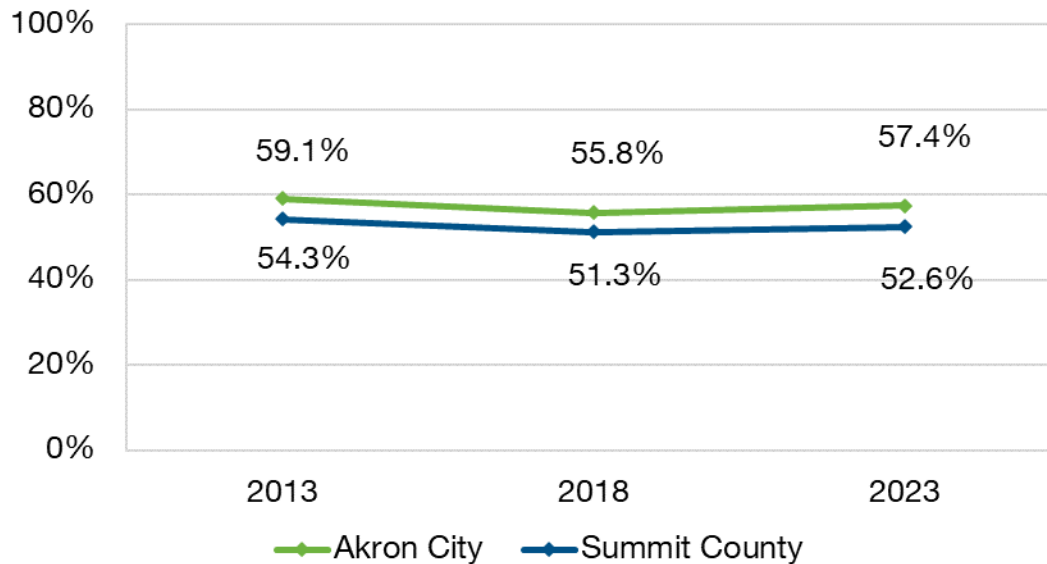
In reviewing this report, keep in mind that Akron data are included in the Summit County sample, which affects direct comparisons. Percentages may not total 100% due to rounding, and some visuals use varying scales to highlight trends or behaviors.



Parental Acceptance of Drinking Remains Unchanged

Unlike tobacco and marijuana, the proportion of students who report that their parents think it would be “very wrong” for them to drink changed minimally since 2013 (**Figure 3.3.D.**). Just over half of students in Akron (57.4%) and Summit County (52.6%) reported that their parents think it would be wrong from them to drink.

Figure 3.3.D. Parental Perceptions of Drinking, Summit County High School Trends



Note: Parental perceptions are reflected by students reporting that their parents would think it is very wrong for them to drink alcohol. Scale has been modified for visual clarity.



Demographic Prevalence

Grade Level. Like tobacco and marijuana use, 9th grade students were less likely to have ever drunk alcohol, currently drink, or binge drink. They were also more likely to report that their parents think it is “very wrong” for them to drink compared to 12th grade students in both Akron and Summit County.

Race and Ethnicity. White, Hispanic, and students of multiple races were more likely to currently drink alcohol compared to Black and Asian students in both Akron and Summit County.

Sex. Female students in Akron and Summit County were more likely to have ever drunk or currently drink alcohol and were less likely to report that their parents think it would be “very wrong” for them to drink compared to male students.

Gender Identity. In Summit County, students who identified as transgender or non-binary were nearly twice as likely to report currently drinking alcohol. They were also less likely to think that their parents would disapprove of their drinking compared to cisgender students.

Sexual Orientation. Students who identified as gay, lesbian, or bisexual were significantly more likely to have ever drunk alcohol, currently drink, or binge drink. They were also less likely to report believing their parents would think it is “very wrong” for them to drink, compared to students who were questioning or unsure or heterosexual in both Akron and Summit County.

Demographic data for each metric are available in Appendix B.



Table 3.3. Trends in Alcohol Use, Summit County (2013-2023)					
Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
Ever drank alcohol					
56.0* (53.9, 58.1)	42.7* (40.2, 45.1)	30.9 (28.2, 33.7)	57.0* (55.6, 58.5)	45.3* (43.8, 46.9)	30.6 (28.8, 32.4)
Current alcohol use (Drank alcohol during the 30 days before the survey)					
27.0* (25.2, 28.9)	19.7* (17.9, 21.6)	13.4 (11.1, 15.7)	30.3* (29.1, 31.6)	23.8* (22.6, 25)	14.6 (13.3, 16.0)
Current binge drinking^a (Had 4 or more drinks in a row (if female) or 5 or more drinks in a row (if male) during the 30 days before the survey)					
N/A	9.1* (7.8, 10.3)	6.4 (5.0, 7.7)	N/A	11.4* (10.5, 12.2)	7.0 (6.1, 7.9)
Had their first drink before the age 13 years (Among all students)					
20.6* (19.1, 22.0)	11.6 (10.3, 13)	10.6 (8.8, 12.4)	16.2* (15.4, 17.0)	10.5* (9.8, 11.2)	8.2 (7.3, 9.1)
Had their first drink before the age of 13 (Among only those who have ever drank alcohol)					
36.7 (34.2, 39.3)	27.1 (24.3, 30)	34.3 (29.8, 38.7)	28.4 (26.9, 29.8)	23.0 (21.4, 24.6)	26.7 (24.0, 29.4)
Usually got alcohol they drank from someone who gave it to them (During the 30 days before the survey among those who currently drink alcohol)					
37.3 (34.1, 40.5)	40.8 (35.9, 45.6)	34.6 (27.5, 41.7)	41.8 (39.9, 43.6)	42.9 (40.3, 45.5)	45.1 (40.8, 49.4)
Attended a party or gathering in a home where parents permitted underage alcohol use (During the 30 days before the survey)					
N/A	14.2* (12.8, 15.6)	10.6 (8.8, 12.4)	N/A	17.3* (16.4, 18.3)	13.7 (12.5, 15.0)



Chapter 3: Tobacco & Substance Use

Table 3.3. Trends in Alcohol Use, Summit County (2013-2023)

Table 3.3. Trends in Alcohol Use, Summit County (2013-2023)					
Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
Parents feel it would be very wrong for them to drink alcohol					
59.1 (57.3, 61)	55.8 (53.5, 58.1)	57.4 (54.7, 60.1)	54.3 (53.1, 55.5)	51.3 (50.0, 52.7)	52.6 (50.7, 54.4)
<p>^a Prior to 2023, language was added to expand on number of alcoholic drinks in a row to include describing drinks had within a couple of hours.</p> <p>*Asterisks identify significant differences from either baseline (2013) or the previous year (2018) when compared to the current data for 2023.</p>					

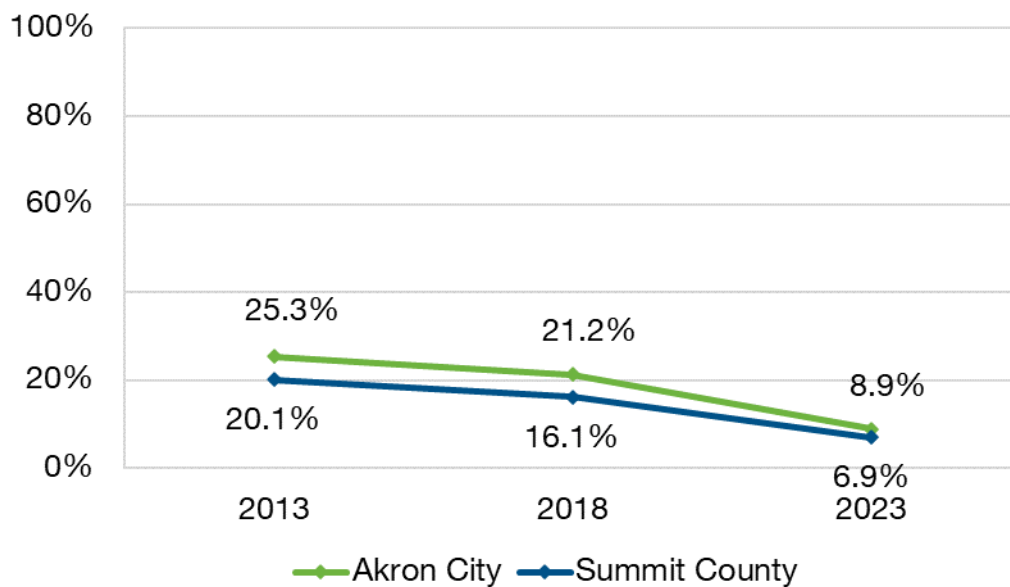


3.4. Prescription Medication Misuse

Prescription Medication Misuse Decreased

Since 2013, the prevalence of students who reported having ever used a prescription drug without a doctor's prescription decreased by about 16% in both Akron and Summit County. (**Figure 3.4.A.**) The greatest decrease in prescription medication use was among students reporting using narcotic pain relievers such as OxyContin, Percocet, Vicodin, or Lortabs (**Figure 3.4.B.**) Using sedatives or sleeping pills did not decrease in Akron, but decreased in Summit County. While use of all other examined prescription medications decreased in Summit County, in Akron, using stimulants increased slightly from 1.8% to 2.4%.

Figure 3.4.A. Students Who Used a Prescription Drug without a Doctor's Prescription, Summit County High School Trends



In reviewing this report, keep in mind that Akron data are included in the Summit County sample, which affects direct comparisons. Percentages may not total 100% due to rounding, and some visuals use varying scales to highlight trends or behaviors.



Key Findings



Prescription drug use decreased by **over 50%** in both Akron and County.

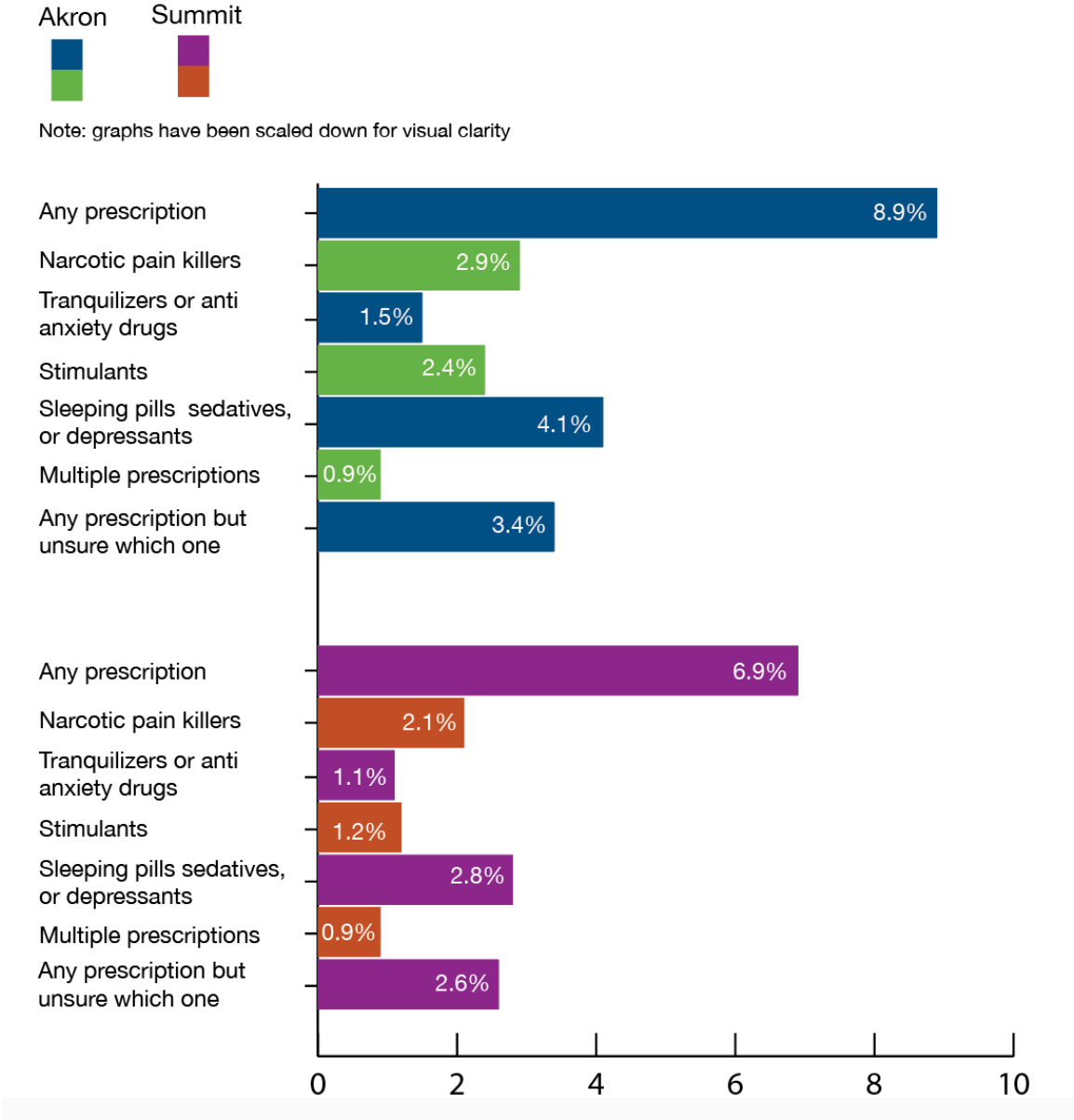
↑ Transgender/non-binary students were 3x as likely to use prescription drugs than cisgender students.

↑ **LGBQ students** have a higher rate of prescription drug use than heterosexual students.

↑ **Black, Hispanic & Multiracial** students have a higher rate of prescription drug use than White & Asian students.



Figure 3.4.B. Students Who Used a Prescription Drug without a Doctor’s Prescription, Summit County High School Trends (2023)





Demographic Prevalence

Grade Level. There were no differences observed by grade level in prescription medication misuse in either Akron or Summit County.

Race and Ethnicity. In Summit County, students who identified as Hispanic multiple races, or Black were significantly more likely to report having ever used a prescription medication without a doctor's prescription compared to White and Asian students.

Sex. There were no differences observed by sex in prescription medication misuse in either Akron or Summit County.

Gender Identity. In Summit County only, students who identified as transgender or non-binary were nearly three times as likely to report having ever misused a prescription medication compared to cisgender students (18.3% vs. 6.3%). These students were most likely to report having taken sleeping pills, sedatives, or other depressants or were unsure about what drugs they had taken compared to other drugs.

Sexual Orientation. Students who identified as gay or lesbian, bisexual, or questioning or unsure were significantly more likely to report prescription medication misuse compared to heterosexual students in both Akron and Summit County. These students were most likely to report having taken sleeping pills, sedatives, or other depressants or were unsure about what drugs they had taken.

Demographic data for each metric are available in Appendix B.



Table 3.4. Trends in Prescription Medication Misuse, Summit County (2013-2023)					
Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
Have taken any prescription drugs without a doctor's prescription					
25.3 (23.5, 27.1)	21.2 (19.3, 23.0)	8.9 (7.0, 10.8)	20.1 (19.1, 21.0)	16.1 (15.2, 17.0)	6.9 (6.0, 7.7)
Have taken narcotic pain relievers without a doctor's prescription (such as Oxycontin, Percocet, Vicodin, or Lortabs.)					
8.5 (7.6, 9.4)	4.6 (3.7, 5.5)	2.9 (1.7, 4.0)	10.9 (10.2, 11.6)	4.3 (3.8, 4.8)	2.1 (1.6, 2.6)
Have taken tranquilizers or anti-anxiety drugs without a doctor's prescription (such as Xanax or Valium.)					
3.1 (2.5, 3.7)	3.3 (2.4, 4.1)	1.5 (0.6, 2.4)	4.4 (4.0, 4.8)	3.4 (2.9, 3.9)	1.1 (0.8, 1.5)
Have taken sleeping pills, sedatives or other depressants without a doctor's prescription (such as Ambien or Phenobarbital.)					
4.3 (3.7, 4.9)	4.6 (3.8, 5.5)	4.1 (2.8, 5.5)	5.7 (5.2, 6.2)	4.3 (3.8, 4.7)	2.8 (2.2, 3.4)
Have taken stimulants or amphetamines without a doctor's prescription (such as Ritalin.)					
1.8 (1.4, 2.2)	1.1 (0.7, 1.4)	2.4 (0.9, 4)	2.9 (2.5, 3.2)	1.3 (1.0, 1.5)	1.2 (0.8, 1.7)
Have taken multiple prescription drugs without a doctor's prescription					
2.3 (1.8, 2.8)	1.2 (0.7, 1.8)	0.9 (0.5, 1.3)	2.7 (2.4, 3.0)	1.2 (0.9, 1.4)	0.9 (0.6, 1.1)
Have taken prescription drugs without a doctor's prescription but unsure which ones					
5.0 (4.3, 5.6)	3.5 (2.8, 4.2)	3.4 (2.4, 4.3)	4.6 (4.2, 5.0)	3.1 (2.7, 3.5)	2.6 (2.1, 3.2)



3.5. Illicit Drug Use

Progress Towards Healthy People 2030 Objectives

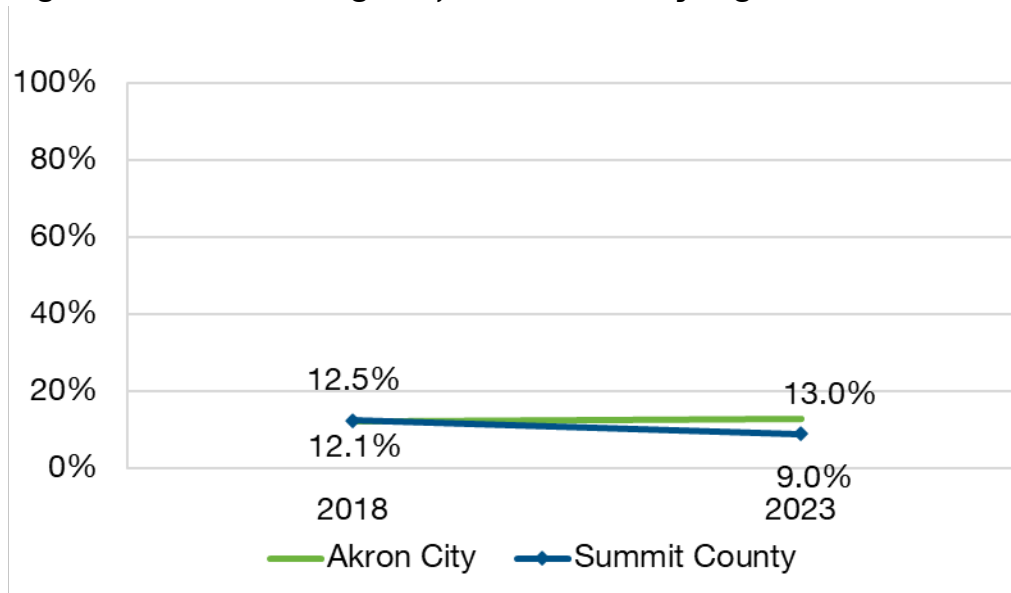
HP2030 objectives for this topic focus specifically on youth who identify as LGBTQ+. While both Akron and Summit County met the objective set for students who identify as LGBTQ+, nearly one in five transgender students have ever used illicit drugs.

Healthy People 2030 Objectives	Akron City	Summit County	Status
LGBT-07: Reduce the proportion of lesbian, gay, or bisexual high school students who have used illicit drugs to 16.1%	15.6%	12.9%	Objective achieved in Summit County
LGBT-D03: Reduce the proportion of transgender high school students who have used illicit drugs	21.6%	20.6%	This is a preliminary objective

Illicit Drug Use Decreased

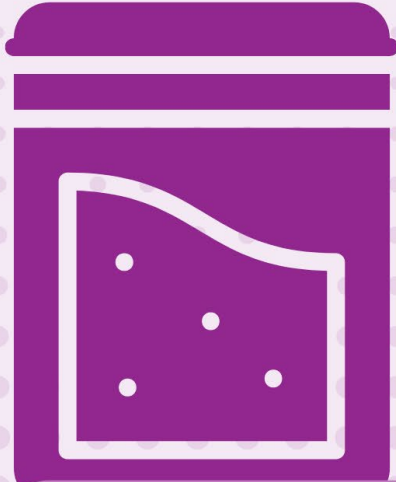
Since 2018, using illicit drugs decreased for the county, but remained stable in Akron (**Figure 3.5.A**). While the prevalence of having used illicit drugs decreased in the county, trends for most illicit drugs in Akron remained consistent, except for hallucinogenic drugs which doubled since 2018 (**Figure 3.5.B**).

Figure 3.5.A. Illicit Drug Use, Summit County High School Trends





Key Findings



Hallucinogens
are the most common
illicit drugs
among Summit County
students.

Hispanic and Multiracial
students had higher rates of
illicit drug use.



Decreased

Akron & County
Methamphetamines
Synthetic Drugs
Heroin Inhalants

County
Hallucinogens
Ecstasy Steroids
Cocaine

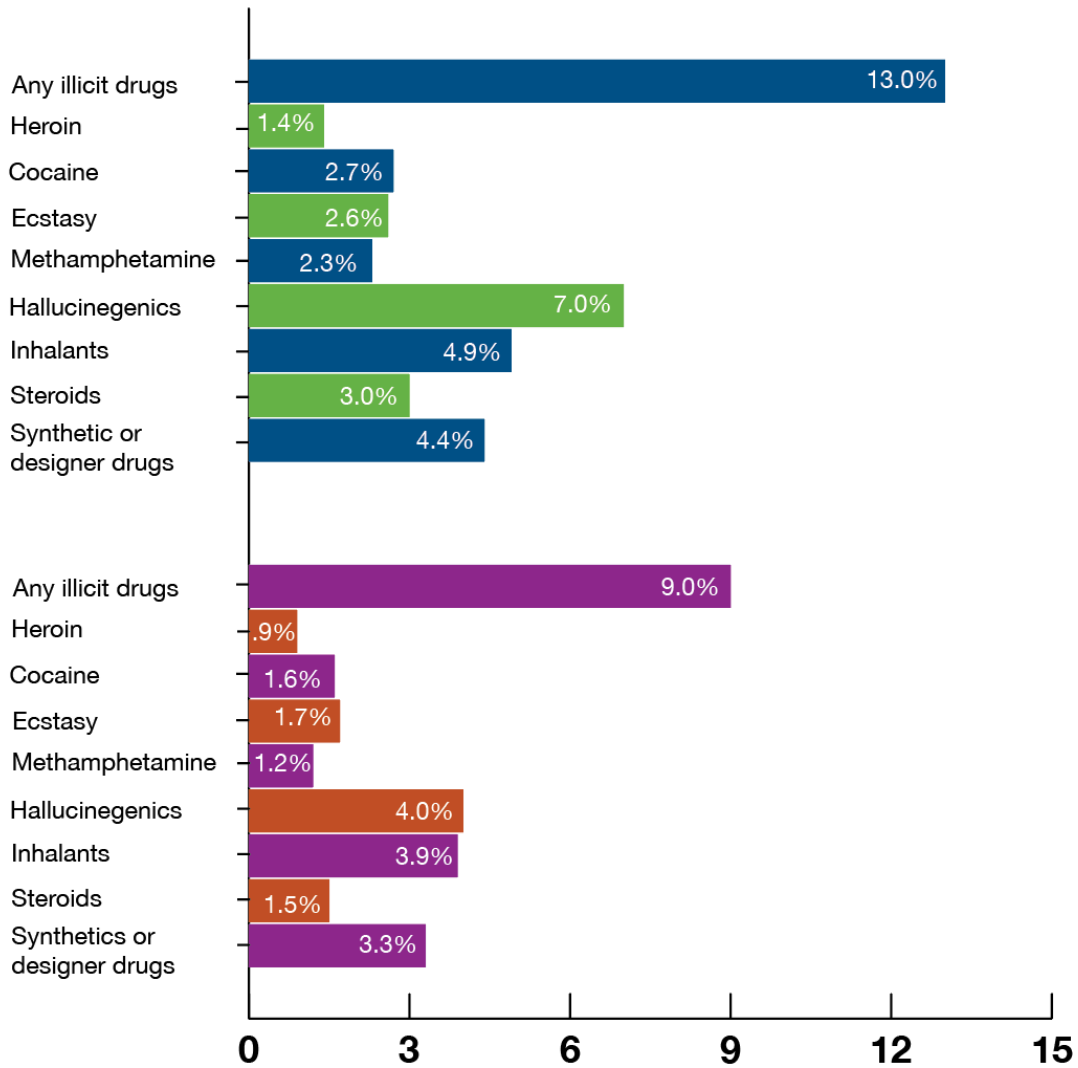


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Figure 3.5.B. Illicit Drugs Used, Summit County High School Trends (2023)

Akron Summit

Note: graphs have been scaled down for visual clarity



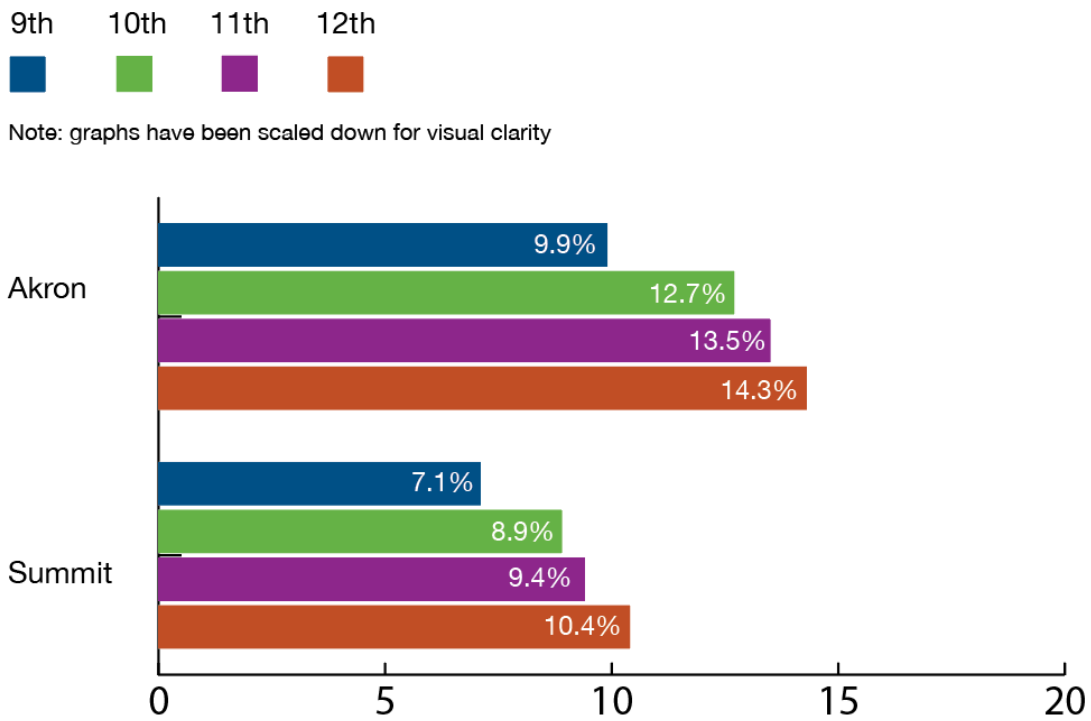
In reviewing this report, keep in mind that Akron data are included in the Summit County sample, which affects direct comparisons. Percentages may not total 100% due to rounding, and some visuals use varying scales to highlight trends or behaviors.



Demographic Prevalence

Grade Level. There were no major differences in overall drug use between grades (Figure 3.5.C). However, older students in Summit County were more likely to use hallucinogenic drugs than younger students.

Figure 3.5.C. Illicit Drug Use by Grade Level, Summit County High School (2023)

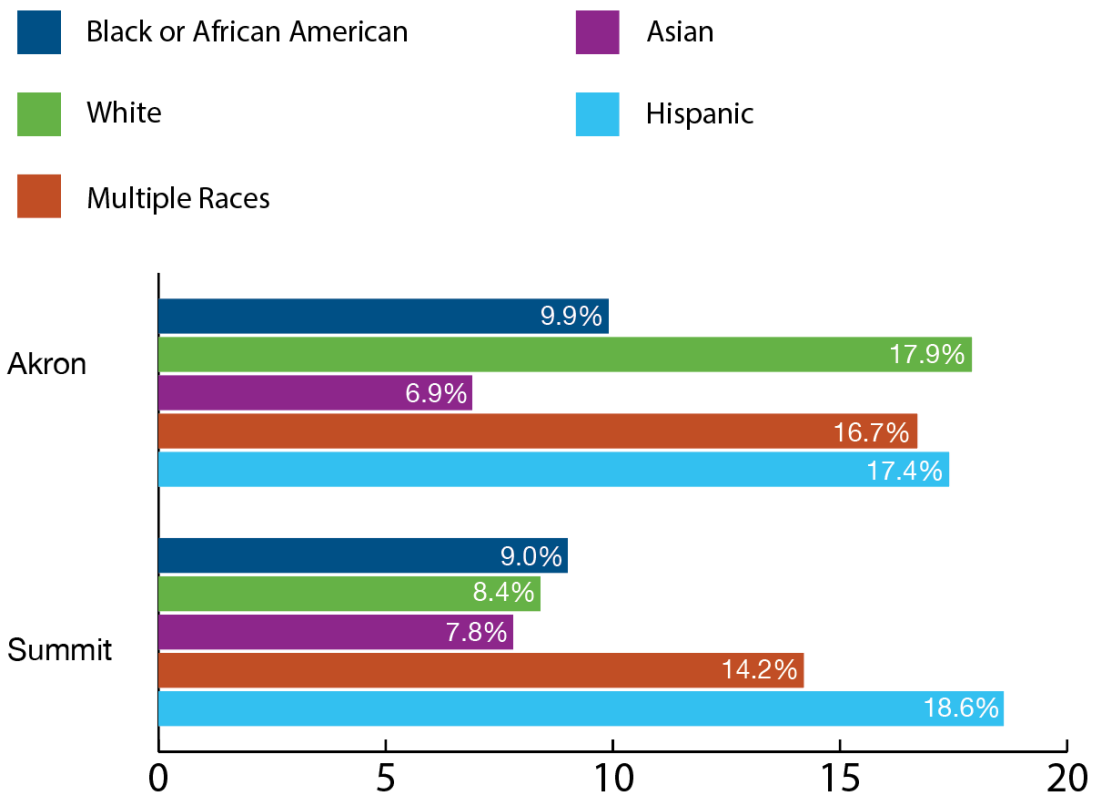




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Race and Ethnicity. In Akron, White, Hispanic, and multiracial students were more likely to report using drugs compared to Black and Asian students. In Summit County, Hispanic and multiracial students reported higher rates than other racial groups. Hallucinogenic drugs were the most common drugs across all racial groups. Hispanic and multiracial students were equally likely to use inhalants as hallucinogens, and White students in Akron used designer and hallucinogenic drugs at similar rates.

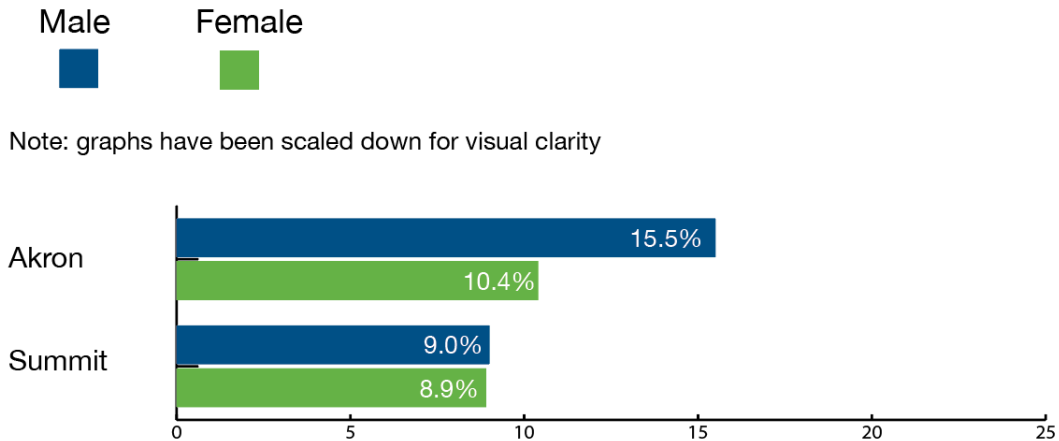
Figure 3.5.D. Illicit Drug Use by Race and Ethnicity, Summit County High School (2023)





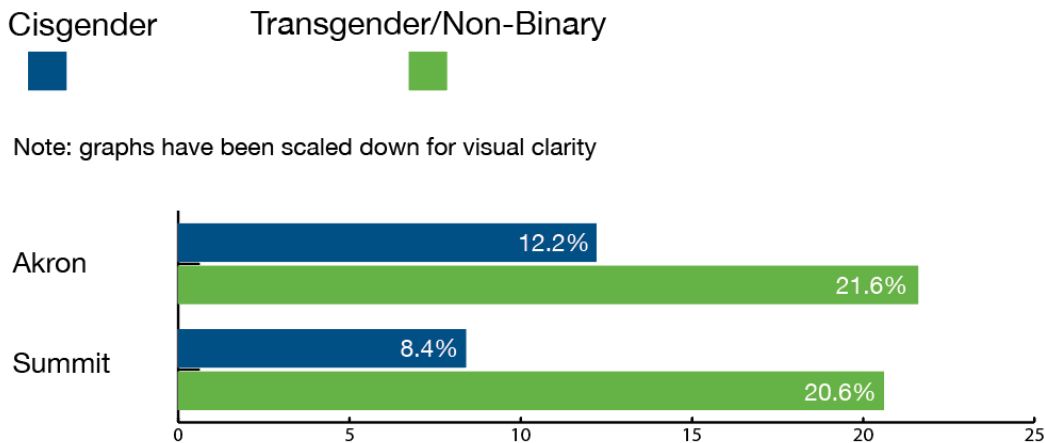
Sex. In Akron, males were more likely to use drugs than females (**Figure 3.5.E**). Female students in both Akron and Summit County mostly used inhalants or hallucinogens. Males in Akron were more likely to use hallucinogens or designer drugs, while males in Summit County used heroin, cocaine, hallucinogens, inhalants, steroids, and designer drugs at about the same rate.

Figure 3.5.E. Illicit Drug Use by Sex, Summit County High School (2023)



Gender Identity. Transgender and non-binary students were about twice as likely to use drugs compared to cisgender students in both Akron and Summit County (**Figure 3.5.F**) In Akron, transgender students mostly used hallucinogens and inhalants, while in Summit County, they were equally likely to use designer drugs.

Figure 3.5.F. Illicit Drug Use by Gender Identity, Summit County High School (2023)

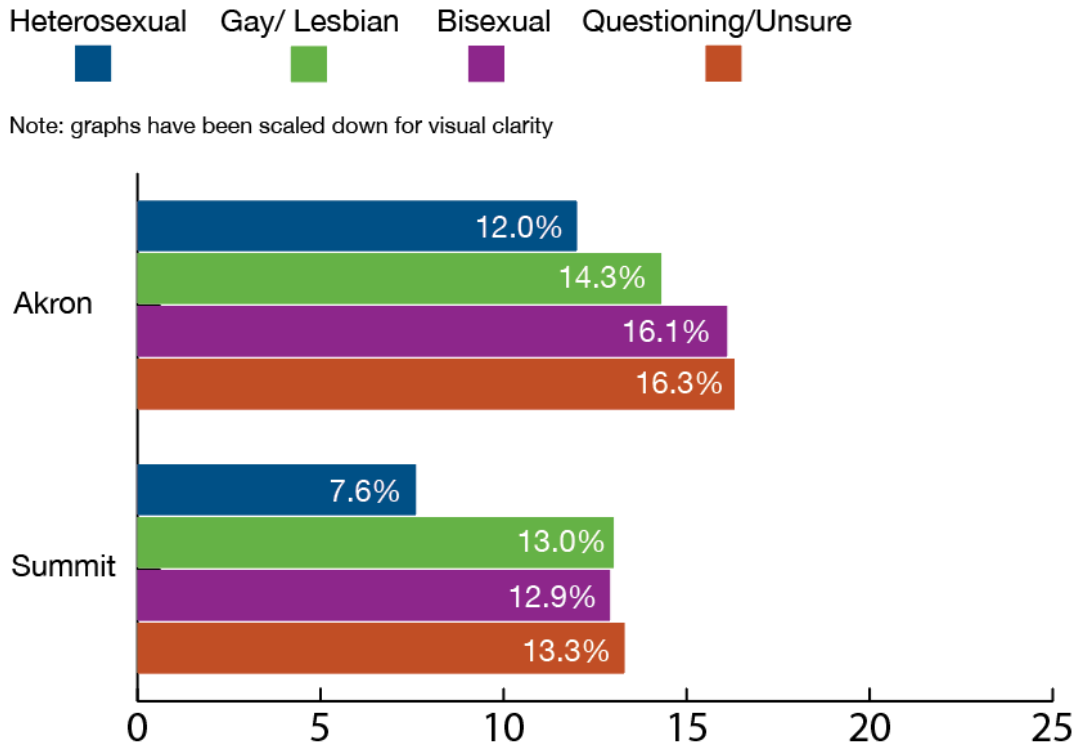




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Sexual Orientation. In Summit County, gay, lesbian, bisexual, and questioning or unsure students were nearly twice as likely to use drugs compared to heterosexual students (**Figure 3.5.G**). Hallucinogens, inhalants, and designer drugs were the most common types used.

Figure 3.5.G. Illicit Drug Use by Sexual Orientation, Summit County High School Trends (2023)



Demographic data for each metric are available in Appendix B.



Table 3.5. Trends in Illicit Drug Use, Summit County (2013-2023)						
Akron City % (95% CI)			Summit County % (95% CI)			
2013	2018	2023	2013	2018	2023	
Have ever used any illicit drugs (including heroin, cocaine, ecstasy, methamphetamine, hallucinogens, inhalants, steroids, or synthetic or designer drugs one or more time during life.)						
N/A	12.1 (10.6, 13.6)	13.0 (10.9, 15.0)	N/A	12.5 (11.7, 13.3)	9.0 (8.0, 10.0)	
Have ever used heroin^a (one or more times during life)						
4.6 (3.8, 5.4)	2.0 (1.3, 2.6)	1.4 (0.9, 1.9)	4.1 (3.7, 4.6)	1.6 (1.3, 1.9)	0.9 (0.6, 1.2)	
Have ever used cocaine (one or more times during life)						
N/A	2.7 (2.0, 3.4)	2.7 (1.6, 3.8)	N/A	2.7 (2.3, 3.1)	1.6 (1.1, 2)	
Have ever used ecstasy^b (one or more times during life)						
N/A	3.2 (2.4, 3.9)	2.6 (1.6, 3.7)	N/A	3.1 (2.6, 3.6)	1.7 (1.2, 2.1)	
Have ever used methamphetamine^c (one or more times during life)						
5.4 (4.5, 6.3)	2.1 (1.4, 2.7)	2.3 (1.3, 3.4)	5.0 (4.5, 5.4)	1.8 (1.5, 2.2)	1.2 (0.9, 1.6)	
Have ever used hallucinogenic drugs (one or more times during life)						
N/A	3.6 (2.8, 4.5)	7.0 (4.8, 9.1)	N/A	5.0 (4.5, 5.6)	4.0 (3.2, 4.7)	
Have ever used inhalants (one or more times during life)						
10.1 (9.0, 11.1)	5.4 (4.5, 6.3)	4.9 (4, 5.8)	8.4 (7.8, 9.1)	5.8 (5.3, 6.3)	3.9 (3.4, 4.4)	



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Table 3.5. Trends in Illicit Drug Use, Summit County (2013-2023)					
Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
Have ever used steroids (one or more times during life)					
N/A	3.0 (2.2, 3.7)	3.0 (1.7, 4.2)	N/A	2.7 (2.3, 3.1)	1.5 (1.1, 2)
Have ever used synthetic or designer drugs^d (one or more times during life)					
7.4 (6.3, 8.5)	4.4 (3.5, 5.2)	4.4 (3.2, 5.6)	8.0 (7.4, 8.6)	4.1 (3.6, 4.5)	3.3 (2.7, 4)
<p>^a In 2013, item included examples and street names such as smack, junk or China White. In 2018, this was expanded to include examples such as tar, dope, dog food. In 2023, item included fentanyl (boy dog, slow, fatty, wop, white, H, or smack).</p> <p>^b In 2018, item included examples MDMA, Molly. In 2023, this was expanded to include E, Xtc.</p> <p>^c In 2013, item included examples speed, crystal, crank, or ice. In 2023, item was expanded to include the term meth.</p> <p>^d In 2013, this item included synthetic or designer drugs (such as bath salts, K2, or spice) to get high. In 2018, this item included synthetic drugs (also called "designer drugs" such as synthetic marijuana, K2, Spice, fake weed, King Kong, Yucatan Fire, Skunk, Moon Rocks, herbal incense,) or bath salts). In 2023, this item included synthetic drugs (also called "designer drugs" such as synthetic marijuana, K2, Spice, or bath salts).</p>					

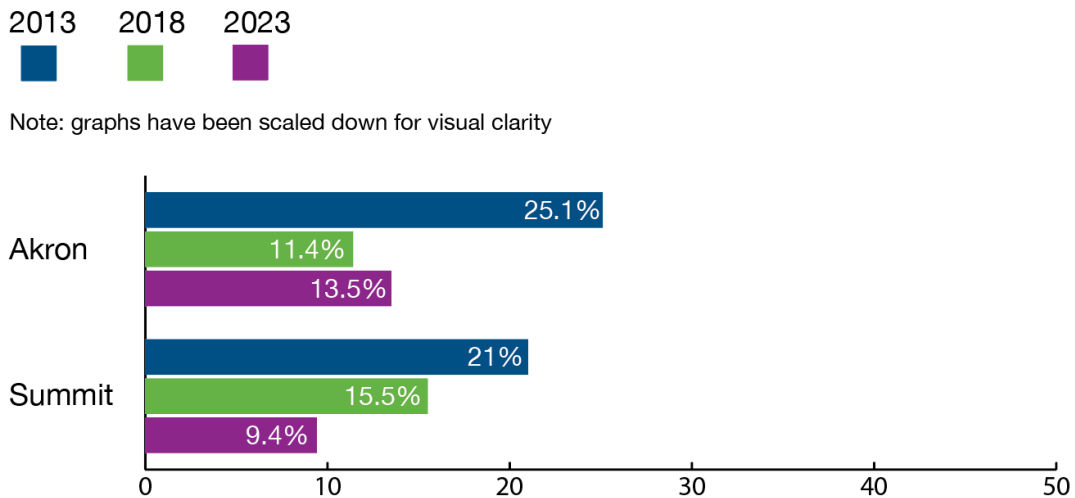


3.6. Substance Use at School

Fewer Students Obtained Drugs at School

The number of students saying they were offered, sold, or given drugs at school decreased. In Summit County, this number dropped from 21.0% to 9.4% between 2013 and 2023. After a decline between 2013 and 2018 in Akron, rates remained the same in 2023.

Figure 3.6.A. Students who were Offered, Sold, or Given Drugs at School, Summit County High School (2023)





Key Findings



↑ LGBTQ

Akron & Summit County students were twice as likely to attend school under the influence.

↑ Older Summit County students were more likely to attend school under the influence of drugs or alcohol

↑ Increased
Attending School Under the Influence
Akron

↓ Decreased
Attending School Under the Influence
County
Offered/Sold/Given Drugs at School
Akron & County



Demographic Prevalence

Grade Level. In Summit County, older students were more likely to attend school under the influence of drugs or alcohol. This increased from 5.5% in 9th grade to 12.3% in 12th grade.

Race and Ethnicity. In Akron, Hispanic, Multiracial, and White students were more likely to report being offered, sold, or given drugs at school and to have attended school under the influence. In Summit County, this was only true for Hispanic and multiracial students.

Sex. There were no differences in drug-related behaviors based on sex.

Gender Identity. Transgender students in Summit County were more likely than cisgender students to say they had been offered, sold, or given drugs at school (14.0% vs. 9.0%). In both Akron and Summit County, transgender students were much more likely to attend school under the influence.

Sexual Orientation. In Summit County, bisexual students (15.5%) were more likely to report being offered or sold drugs at school compared to heterosexual students (8.0%). In both Akron and Summit County, students identifying as gay, lesbian, bisexual, or questioning or unsure were at least twice as likely to have attended school while under the influence.

Demographic data for each metric are available in Appendix B.

Table 3.6. Drug Use at Schools, Summit County (2013-2023)					
Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
Offered, sold, or given illegal drugs on school property (During the 12 months prior to taking the survey.)					
25.1 (23.5, 26.7)	11.4 (9.9, 12.9)	13.5 (11.7, 15.3)	21.0 (20.2, 21.9)	15.5 (14.6, 16.4)	9.4 (8.5, 10.3)
Attended school under the influence of alcohol or drugs (During the 12 months prior to taking the survey.)					
N/A	13.3 (11.7, 14.8)	14.8 (12.8, 16.8)	N/A	11.1 (10.3, 11.9)	9.0 (8.0, 10.1)

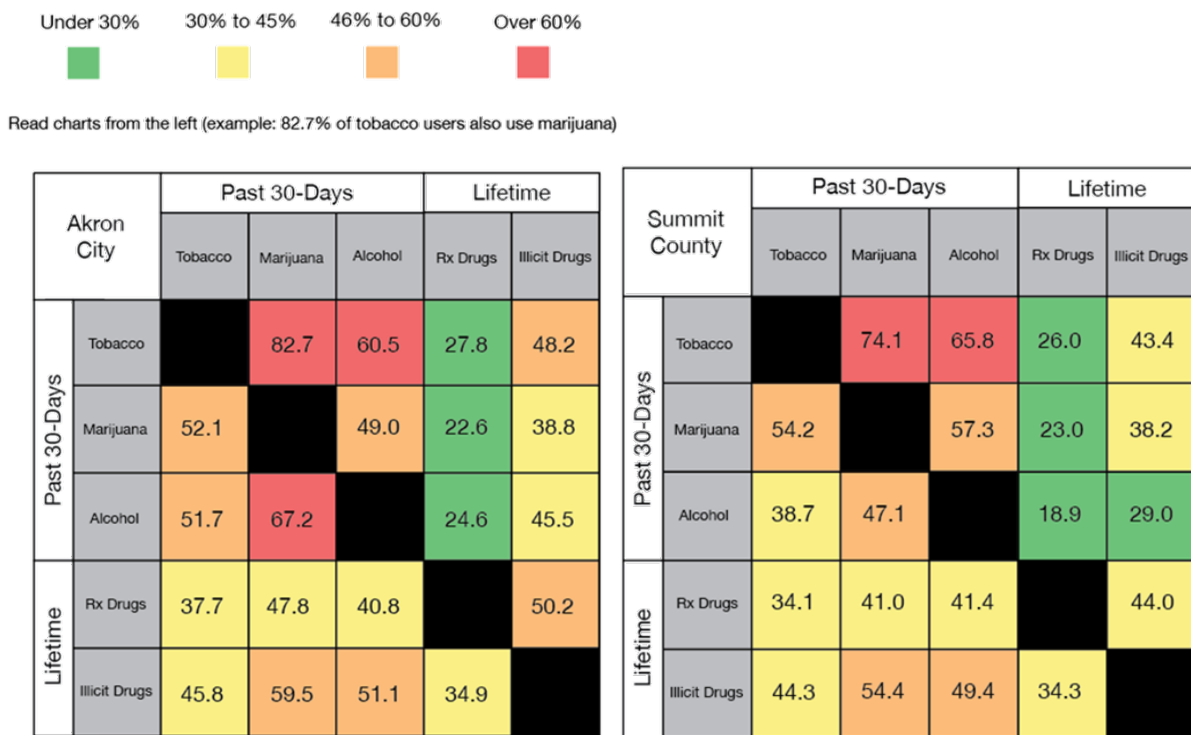


3.7. Polysubstance Use

Polysubstance use involves using multiple substances at the same time and is riskier than using a single drug. Combining substances can lead to unpredictable effects, higher risks of overdose, long-term cognitive and emotional problems, and mental health disorders. Since youth’s brains and bodies are still developing, these risks are even greater, making prevention and treatment more challenging.

In 2023, marijuana was one of the most commonly co-used substances with tobacco, alcohol, or other drugs in both Akron and Summit County (**Figure 3.7.A**). The most common form of polysubstance use was co-using tobacco or nicotine products and marijuana, with 82.7% in Akron and 74.1% in Summit County among those who used tobacco.

Figure 3.7.A. Polysubstance Use, Summit County High School (2023)



4 Gambling Behaviors

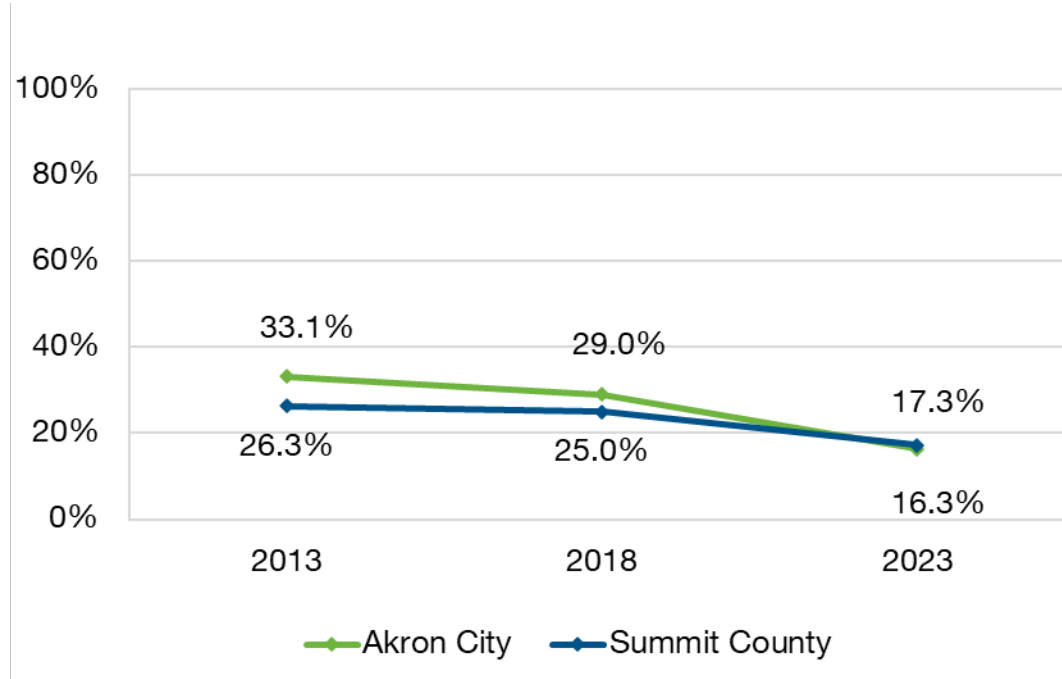


Gambling involves playing games of chance to win money. In 2020, between 60% and 80% of high school students in the U.S. reported gambling for money in the past year, and up to 6% were addicted.⁶ Young people are more likely to get addicted to gambling because their brains are still developing, leading to potentially stronger addictions later in life.⁷

Fewer Students are Gambling

Since 2013, the number of students who reported gambling in the last 30 days decreased by almost half in both Akron and Summit County (**Figure 4.1.A**). Back in 2013, Akron students were much more likely to report gambling than those in Summit County, but by 2023, the gap closed between the two regions.

Figure 4.1.A. Students who Gambled in the Past 30 Days, Summit County High School Trends



⁶ Gambling Problems.” International Center for Youth Gambling Problems and High-Risk Behaviors. Accessed October 31, 2024. <https://youthgambling.mcgill.ca/Gambling2/en/adolescents/adproblems.php>

⁷ Shaffer, Howard J., and Matthew N. Hall. “Updating and Refining Prevalence Estimates of Disordered Gambling Behaviour in the United States and Canada.” *Canadian Journal of Public Health* 92, no. 3 (May 2001): 168–72. <https://doi.org/10.1007/bf03404298>.



Key Findings



Gambling
in the past 30 days
decreased
by half
in Akron and Summit County.

1 in 6 Summit County students
reported gambling.



Higher Rates of Gambling

Hispanic
Male

White
Multiracial



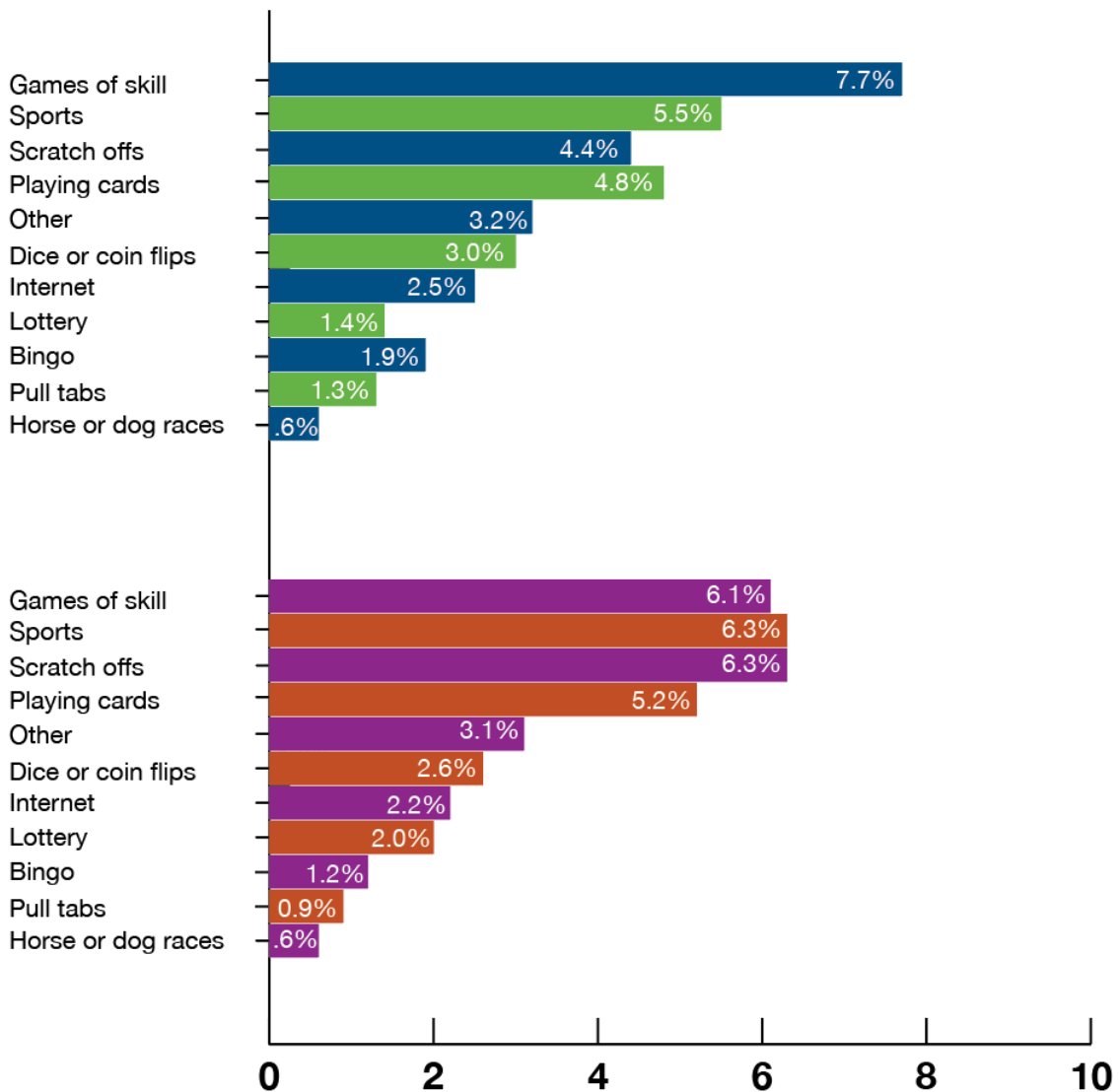
Gaming the Most Common Form of Gambling

In 2023, the most common form of gambling in the past 30 days were games of personal skill (e.g., bowling, video games, dares) in Akron (7.7%) (**Figure 4.1.B**). In Summit County, sports or scratch-offs (6.3% each) were more common.

Figure 4.1.B. Forms of Gambling, Summit County High School (2023)



Note: graphs have been scaled down for visual clarity





Internet Gambling is Becoming More Common

Since 2013, most types of gambling either remained constant or decreased in Akron and Summit County, except internet-based gambling. This form of gambling more than doubled in both areas. In Akron, it increased from 0.7% in 2013 to 2.5% in 2023, and in Summit County, from 0.8% to 2.2%. Despite the increase, gambling rates overall are still relatively low in both areas.

Demographic Prevalence

Grade Level. No differences were observed in gambling behaviors between grade levels in Akron or Summit County.

Race and Ethnicity. In Summit County only, students who identified as Hispanic, multiracial, or White were more likely to report having gambled in the past 12 months or in the past 30 days compared to Black and Asian students.

Sex. Male students were two to three times as likely to have gambled in the past 12 months or past 30 days compared to female students in both Akron and Summit County.

Gender Identity. No differences were observed in gambling behaviors between students by gender identity in Akron or Summit County.

Sexual Orientation. No differences were observed in gambling behaviors between students by sexual orientation in Akron or Summit County.

Demographic data for each metric are available in Appendix B.

In reviewing this report, keep in mind that Akron data are included in the Summit County sample, which affects direct comparisons. Percentages may not total 100% due to rounding, and some visuals use varying scales to highlight trends or behaviors.



Table 4.1. Trends in Gambling Behaviors, Summit County (2013-2023)					
Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
Gambled in the past 12 months					
26.2* (24.5, 27.9)	19.9* (18.3, 21.5)	15.9 (14.4, 17.5)	24.4* (23.5, 25.3)	19.6* (18.7, 20.5)	16.7 (15.5, 17.9)
Gambled in the past 30 days					
33.1* (31.0, 35.1)	29.0* (27.2, 30.8)	16.3 (14.6, 18.0)	26.3* (25.3, 27.4)	25.0* (24.1, 26.0)	17.3 (16.1, 18.5)
Gambled in the past 30 days: Scratch-offs (in the past 30 days)					
5.8 (4.9, 6.6)	4.1 (3.4, 4.9)	4.4 (3.4, 5.4)	8.8* (8.2, 9.4)	7.4 (6.8, 8.0)	6.3 (5.5, 7.0)
Gambled in the past 30 days: Lottery tickets (in the past 30 days)					
2.0 (1.5, 2.4)	2.0 (1.5, 2.4)	1.4 (0.9, 1.9)	2.8 (2.5, 3.1)	3.0 (2.6, 3.4)	2.0 (1.5, 2.4)
Gambled in the past 30 days: Pull tabs (in the past 30 days)					
1.0 (0.6, 1.4)	0.5 (0.2, 0.8)	1.3 (0.6, 2.0)	1.2 (0.9, 1.4)	0.7 (0.5, 0.9)	0.9 (0.6, 1.2)
Gambled in the past 30 days: Dice or coin flips (in the past 30 days)					
3.2 (2.7, 3.8)	2.4 (1.9, 2.9)	3.0 (2.3, 3.7)	3.0 (2.6, 3.3)	2.5 (2.2, 2.9)	2.6 (2.1, 3.1)
Gambled in the past 30 days: Playing cards (in the past 30 days)					
7.7* (6.7, 8.8)	7.3* (6.2, 8.5)	4.8 (3.8, 5.7)	7.1* (6.6, 7.7)	5.6 (5.1, 6.1)	5.2 (4.6, 5.9)



Table 4.1. Trends in Gambling Behaviors, Summit County (2013-2023)					
Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
Gambled in the past 30 days: Sports (in the past 30 days)					
5.8 (5.1, 6.6)	7.6 (6.5, 8.7)	5.5 (4.2, 6.8)	6.6 (6.1, 7.1)	6.1 (5.5, 6.6)	6.3 (5.5, 7.1)
Gambled in the past 30 days: Horse or dog race (in the past 30 days)					
1.7* (1.2, 2.1)	0.4 (0.1, 0.7)	0.6 (0.3, 1.0)	2.1* (1.7, 2.4)	0.7 (0.6, 0.9)	0.6 (0.4, 0.8)
Gambled in the past 30 days: Games of skill (in the past 30 days)					
8.5 (7.5, 9.4)	7.9 (6.8, 9.0)	7.7 (6.1, 9.3)	8.0* (7.5, 8.6)	6.9 (6.3, 7.4)	6.1 (5.3, 6.9)
Gambled in the past 30 days: Bingo for money (in the past 30 days)					
1.5 (1.1, 2.0)	1.0 (0.6, 1.4)	1.9 (1.1, 2.7)	2.0* (1.7, 2.3)	1.1 (0.9, 1.3)	1.2 (0.8, 1.5)
Gambled in the past 30 days: Internet (in the past 30 days)					
0.7* (0.4, 0.9)	0.7* (0.4, 1.0)	2.5 (1.6, 3.3)	0.8* (0.6, 1.0)	1.1* (0.8, 1.3)	2.2 (1.7, 2.7)
Gambled in the past 30 days: Other (in the past 30 days)					
2.9 (2.3, 3.5)	3.5 (2.7, 4.2)	3.2 (2.5, 3.9)	3.7 (3.2, 4.0)	2.8 (2.5, 3.2)	3.1 (2.5, 3.6)
*Asterisks identify significant differences from either baseline (2013) or the previous year (2018) when compared to the current data for 2023.					

5 Injury Prevention



The 2023 Summit County High School YRBS asked about unintentional injuries, focusing on driving safety and head injuries. Unintentional injuries are the top cause of death for youth ages 12 to 19, with motor vehicle accidents being the most common.⁸ While seat belts can help prevent injury, behaviors like drinking alcohol or texting while driving increase the risks of motor vehicle accidents.

More Students Wearing Seatbelts

Since 2013, fewer students reported unsafe driving behaviors. For example, students who didn't wear seatbelts decreased by nearly 50% in both Akron and Summit County. However, Akron students (11.4%) were almost twice as likely as Summit County students (6.4%) to report rarely or never wearing a seatbelt.

Fewer Students Drinking and Driving

While the proportion of students who rode with drivers who had been drinking decreased, 14.6% of Akron students and 10.9% of Summit County students still did so. Drinking and driving rates among students who drive decreased by more than 50% in Summit County (9.3% to 4.3%), but remained steady in Akron (9.9% to 8.1%) (**Figure 5.1.A**).

Students Still Texting While Driving

Texting while driving remained relatively unchanged in both regions, though Summit County saw a drop between 2018 and 2023. By 2023, the gap between Akron and Summit County significantly closed (**Table 5.1.B**).

In reviewing this report, keep in mind that Akron data are included in the Summit County sample, which affects direct comparisons. Percentages may not total 100% due to rounding, and some visuals use varying scales to highlight trends or behaviors.

⁸ Mortality Among Teenagers Aged 12-19 Years: United States, 1999-2006." Centers for Disease Control and Prevention, November 6, 2015



Key Findings



Drunk driving
decreased by
more than
half.

↑ Transgender/non-binary students were **3X** more likely to report drunk driving compared to cisgender students.



Decreased

Riding with a Drunk Driver
Akron & County

Texting While Driving
County



Figure 5.1.A. Students who Rode with a Driver who had Been Drinking or Drove a Car After Drinking, Summit County High School Trends

2013 2018 2023

Note: graphs have been scaled down for visual clarity

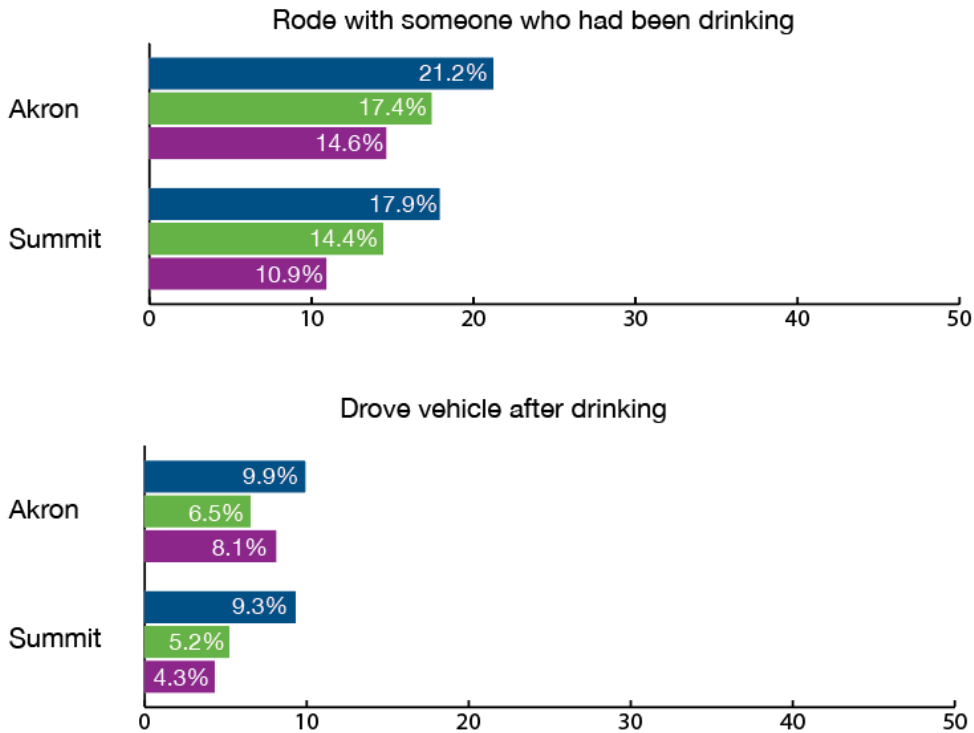
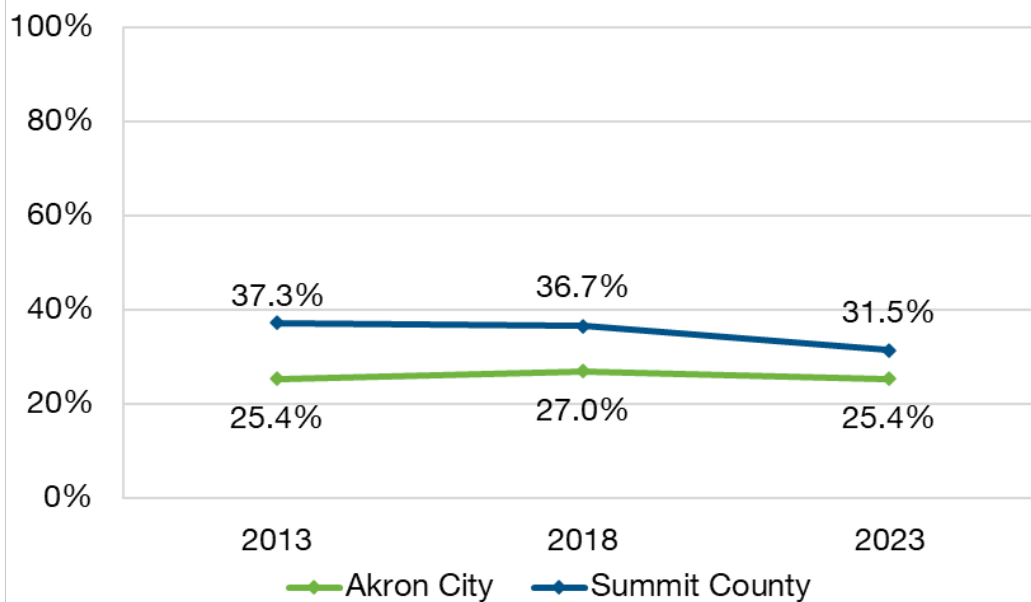


Figure 5.1.B. Students who Reported Texting or Emailing While Driving, Summit County High School Trends





Demographic Prevalence

Grade Level. In Summit County, 9th graders who drove were four times more likely to report driving after drinking alcohol compared to students in other grades. In both Akron and Summit County, 12th graders were much more likely to text and drive compared to younger students.

Race and Ethnicity. In Summit County, Asian (13.2%), Hispanic (11.5%), Black (11.3%), and multiracial (9.6%) students were more likely to say they rarely or never wore a seatbelt compared to White students (3.3%). Hispanic students were also more likely to ride in a car driven by someone who had been drinking (17.8% vs. 9.3% for White students). Hispanic and Asian students in both Akron and Summit County were more likely to report driving after drinking alcohol. Hispanic students were also much more likely to report having had a concussion in the past year from sports or physical activity.

Sex. In Akron, males were more likely to say they never or rarely wore a seatbelt compared to females (13.2% vs. 9.6%). Males in both Akron and Summit County were also more likely to have had a concussion from sports or other physical activities in the past year.

Gender Identity. In Summit County, transgender or non-binary students were three times more likely to report driving after drinking alcohol compared to cisgender students (12.0% vs. 4.0%).

Sexual Orientation. In Summit County, students who identified as gay or lesbian (15.8%) or questioning or unsure (15.4%) were more likely than heterosexual students (9.7%) to report riding in a car driven by someone who had been drinking alcohol.

Demographic data for each metric are available in Appendix B.



Table 5.1. Injury Prevention, Summit County (2013-2023)						
Akron City % (95% CI)			Summit County % (95% CI)			
2013	2018	2023	2013	2018	2023	
Rarely or never wore a seatbelt (When riding in a car driven by someone else.)						
18.1* (16.4, 19.8)	12.9 (11.6, 14.3)	11.4 (9.8, 13.1)	11.7* (11.0, 12.4)	7.5 (6.8, 8.1)	6.4 (5.7, 7.2)	
Rode with a driver who had been drinking alcohol (During the past 30 days before the survey.)						
21.2* (19.7, 22.7)	17.4 (15.8, 19)	14.6 (12.8, 16.4)	17.9* (17.1, 18.7)	14.4* (13.6, 15.3)	10.9 (10.0, 11.8)	
Drove after drinking alcohol (Among students who had driven a vehicle during the 30 days before the survey.)						
9.9 (8.4, 11.4)	6.5 (5.2, 7.9)	8.1 (5.4, 10.7)	9.3* (8.5, 10.1)	5.2 (4.5, 5.9)	4.3 (3.2, 5.4)	
Texted or emailed while driving (Among students who had driven a vehicle during the 30 days before the survey.)						
25.4 (22.9, 27.8)	27.0 (24.0, 30.0)	25.4 (21.4, 29.5)	37.3* (35.3, 39.2)	36.7 (34.4, 39.0)	31.5 (28.4, 34.6)	
Had a concussion from playing sports or physical activity (During the past 12 months before the survey.)						
N/A	13.1* (11.8, 14.4)	17.6 (15.5, 19.7)	N/A	12.7 (11.9, 13.4)	14.4 (13.3, 15.6)	
*Asterisks identify significant differences from either baseline (2013) or the previous year (2018) when compared to the current data for 2023.						

6 Violence & Safety



The 2023 Summit County High School YRBS asked students about violence, including physical fights, carrying weapons, and bullying. Violence can start with verbal harassment and escalate to physical violence or intimate partner violence. Bullying, for both aggressor and victim, is linked to behaviors like carrying weapons, fighting, and getting hurt in fights.

6.1. Physical Violence

Violence among teens, such as bringing weapons to school, fighting, or having access to guns, is a major public health issue. These behaviors create immediate safety risks and can cause long-term harm, including trauma and fear, which can disrupt the school environment. Addressing violence is important for keeping students safe and maintaining a positive learning atmosphere.

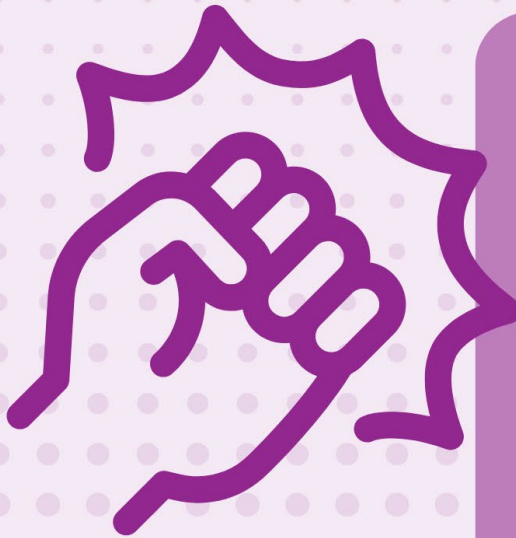
Progress Towards Healthy People 2030 Objectives

Summit County met the HP2030 goal, with fewer than 20.9% of students reporting being involved in a physical fight in the past year. Akron however, needs to continue working toward this goal.

Healthy People 2030 Objectives	Akron City	Summit County	Status
IVP-11: Reduce physical fighting among adolescents to 20.9% or lower	27.1%	18.9%	Objective achieved in Summit County



Key Findings



1 in 6
Akron students
did not attend school
because they
felt unsafe.



1 in 7 students experienced
intimate partner violence.



↑ LGBTQ
students have higher rates of
intimate partner
violence
compared to cisgender/heterosexual.

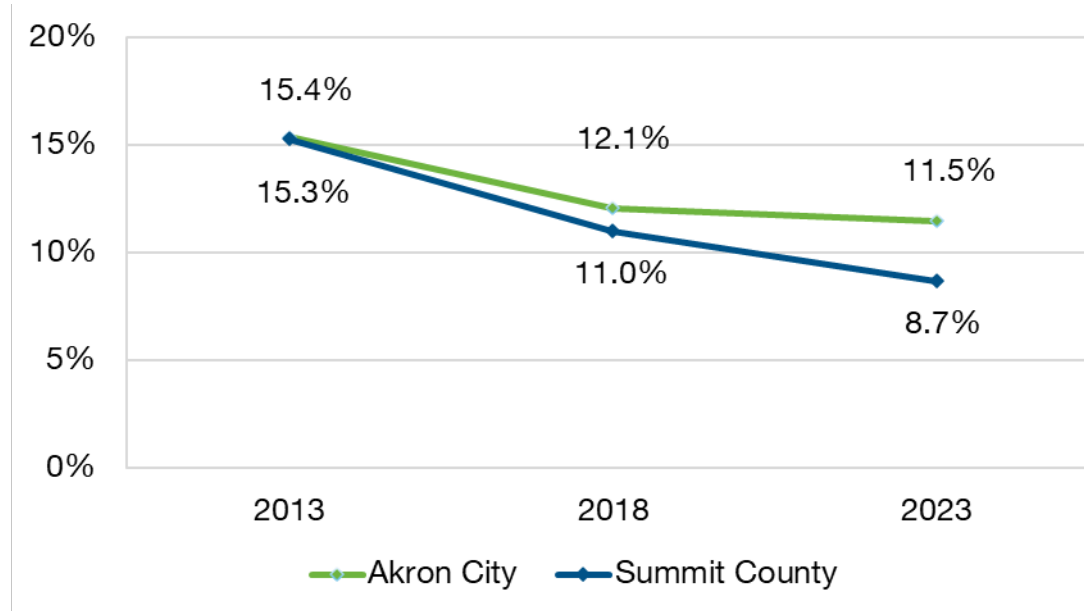
 A quarter
of students
could access
a loaded gun
without their parents'
permission.



Fewer Students Carrying Weapons to School

Since 2013, fewer students reported carrying weapons to school (**Figure 6.1.A**). However, there is a growing disparity between Akron and the county in the number of students reporting carrying weapons. Furthermore, almost one-quarter of students in both Akron (22.4%) and Summit County (24.3%) said they could access a loaded gun without their parents' permission. Of those students, more than two-thirds said they could get one within 24 hours or less.

Figure 6.1.A. Students who Reported Carrying a Weapon, Summit County High School Trends



Physical Fighting Declined

In both areas, the prevalence of students who reported that they had been in a physical fight decreased since 2013 (**Figure 6.1.B**). Despite this change, Akron students reported fighting at a slightly higher rate.

Students Feel Less Safe

Since 2013, more students are staying home because they feel unsafe, with the largest increase happening in Akron. In 2013, 10.4% of Akron students didn't go to school because they felt unsafe. By 2023, this number increased to 16.7%. Similarly, the percentage of Akron students who rarely or never feel safe at school has increased from 16.0% in 2018 to 21.5% in 2023. In Summit County, this number increased slightly from 11.2% to 11.9%. (**Figure 6.1.C**).



Figure 6.1.B. Students who were in a Physical Fight in the Past 12 Months, Summit County High School Trends

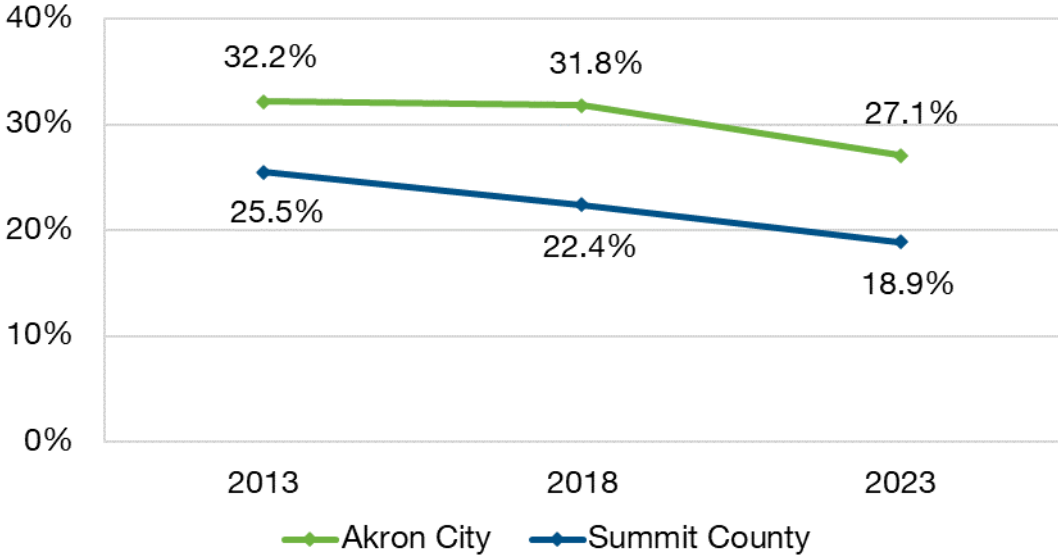
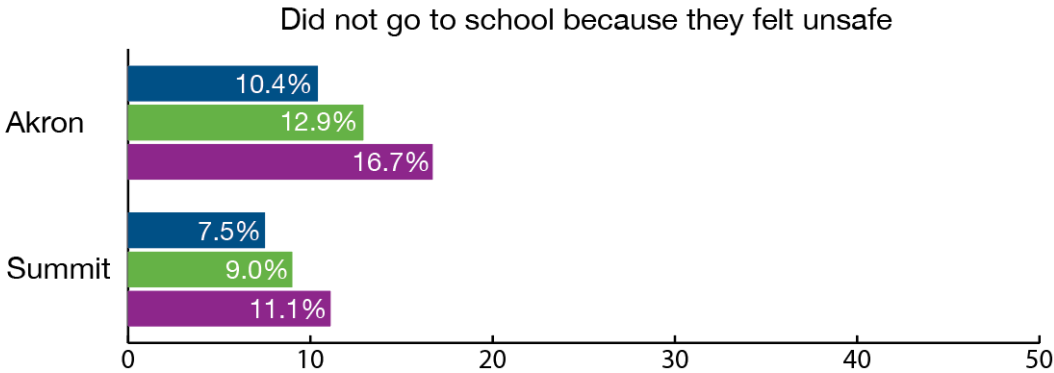


Figure 6.1.C. Students who Missed School Due to Safety Concerns, Summit County High School Trends



Note: graphs have been scaled down for visual clarity



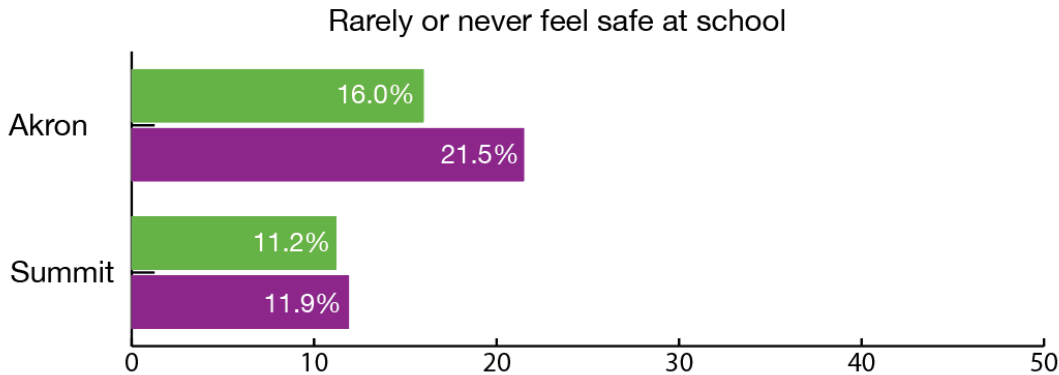
In reviewing this report, keep in mind that Akron data are included in the Summit County sample, which affects direct comparisons. Percentages may not total 100% due to rounding, and some visuals use varying scales to highlight trends or behaviors.



Figure 6.1.D. Students who Do Not Feel Safe at School, Summit County High School Trends

2018 2023
 

Note: graphs have been scaled down for visual clarity



Demographic Prevalence

Grade Level. In Summit County, younger students were more likely to have been in a physical fight in the past 12 months.

Race and Ethnicity. In Akron, Hispanic, White, and multiracial students were more likely to carry a weapon to school compared to other groups. In Summit County, Hispanic and multiracial students had higher rates of carrying weapons. Hispanic, Black, and multiracial students in both Akron and Summit County were more likely to report being in a physical fight over the past year. In Summit County, Hispanic, Black, multiracial, and Asian students were more likely to say they didn't attend school because they felt unsafe, compared to White students.

Sex. Males in both Akron and Summit County were more likely than females to carry a weapon to school or have access to a loaded gun. In Summit County, males were also more likely to have been in a physical fight.

Gender Identity. In Summit County, transgender or non-binary students were twice as likely to carry a weapon to school compared to cisgender students. They were also twice as likely to avoid school because they felt unsafe.

Sexual Orientation. In both Akron and Summit County, students identifying as gay, lesbian, bisexual, or questioning were significantly more likely to avoid school because they felt unsafe compared to heterosexual students.

Demographic data for each metric are available in Appendix B.



Table 6.1. Trends in Physical Violence, Summit County (2013-2023)					
Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
Carried a weapon on school property (Such as a gun, knife, or club; one or more times during the past 30 days before the survey.)					
15.4* (13.9, 16.8)	12.1 (10.6, 13.7)	11.5 (9.9, 13.2)	15.3* (14.5, 16.2)	11.0* (10.2, 11.8)	8.7 (7.8, 9.6)
Could get a loaded gun without a parent's permission					
N/A	N/A	22.4 (20.4, 24.5)	N/A	N/A	24.3 (23.1, 25.6)
Could get a loaded gun within 24 hours without a parent's permission (among those who could get a loaded gun.)					
N/A	N/A	67.5 (63, 72)	N/A	N/A	67.6 (64.7, 70.6)
Did not go to school because they felt unsafe at or on the way to or from school (One or more times during the 30 days before the survey.)					
10.4* (9.3, 11.5)	12.9* (11.6, 14.3)	16.7 (15.1, 18.3)	7.5* (6.9, 8.1)	9.0* (8.3, 9.7)	11.1 (9.8, 12.3)
Rarely or never feel safe and secure at school					
N/A	16.0* (14.5, 17.4)	21.5 (19.3, 23.8)	N/A	11.2 (10.5, 12)	11.9 (10.8, 13.1)
In a physical fight (One or more times during the 12 months before the survey.)					
32.2* (30.4, 34.1)	31.8 (29.4, 34.2)	27.1 (24.7, 29.5)	25.5* (24.5, 26.6)	22.4* (21.2, 23.5)	18.9 (17.6, 20.2)
*Asterisks identify significant differences from either baseline (2013) or the previous year (2018) when compared to the current data for 2023.					



6.2. Intimate Partner Violence

Progress Towards Healthy People 2030 Objectives

Similar to the trends observed with physical fighting, Summit County met the HP2030 target for reducing physical dating violence, while Akron has not yet. The HP2030 objective includes sexual violence in dating, however the 2023 Summit County YRBS did not include this.

Healthy People 2030 Objectives	Akron City	Summit County	Status
IVP-18: Reduce sexual or physical adolescent dating violence to 11.4% or lower	14.0%	9.3%	Objective achieved in Summit County but not in Akron

Physical Dating Violence More Prevalent in Akron

Between 2013 and 2018, trends in physical violence from a dating partner increased, but decreased from 2018 to 2023. Overall, dating violence was more common in Akron (14.0%) than Summit County (9.3%) (**Figure 6.2.A**).

Demographic Prevalence

Grade Level. No differences were observed in physical dating violence by grade level in Akron or Summit County.

Race and Ethnicity. In Summit County only, multiracial students who were dating were significantly more likely to say they experienced physical violence from someone they were dating (14.9%) compared to White students.

Sex. No differences were observed in physical dating violence by sex.

Gender Identity. Transgender or non-binary students in Summit County were more than twice as likely to have experienced physical violence by someone they were dating compared to cisgender students (19.8% vs 8.7%).

Sexual Orientation. Students in both Akron and Summit County who identified as gay, lesbian, bisexual, or questioning or unsure were significantly more likely than those who identified as heterosexual to have experienced physical violence by someone they were dating.

Demographic data for each metric are available in Appendix B.



Figure 6.2.A. Students who were Physically Hurt by Someone they were Dating, Summit County High School Trends

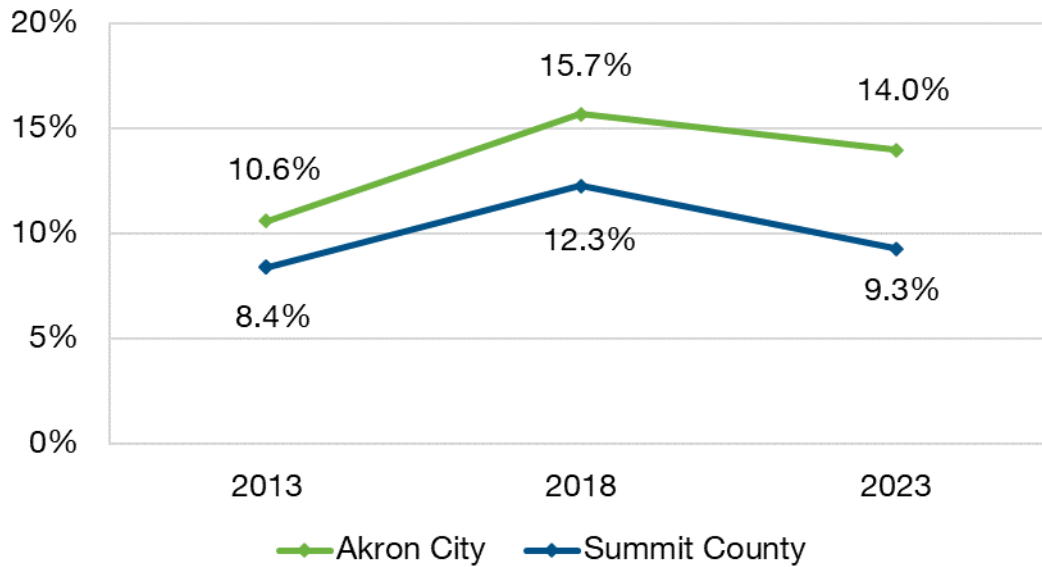


Table 6.2 Intimate Partner Violence, Summit County (2013-2023)					
Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
Physically hurt on purpose by someone they were dating or going out with (Such as being hit, slammed into something, or injured with an object or weapon; one or more times during the 12 months before the survey, among students dating.)					
10.6 (9.4, 11.8)	15.7 (13.9, 17.5)	14.0 (11.8, 16.3)	8.4 (7.8, 9.0)	12.3* (11.4, 13.1)	9.3 (8, 10.5)
*Asterisks identify significant differences from either baseline (2013) or the previous year (2018) when compared to the current data for 2023.					



6.3. Bullying

Bullying has a serious impact on youth’s mental, emotional, and physical health. It can lead to anxiety, depression, poor academic performance, and even suicidal thoughts or behaviors. Bullying affects not only the victim, but also the aggressor and bystanders who may experience long-term consequences like increased aggression and antisocial behavior.⁹ By studying and addressing bullying, schools, parents, and policymakers can create better prevention and intervention programs. This helps create a safer and more supportive environment for all students and encourages empathy and positive social interactions.

Progress Towards Healthy People 2030 Objectives

HP2030 focuses on reducing bullying LGBTQ+ youth experience. Bullying among LGBTQ+ youth in Summit County is nearly double the HP2030 target, highlighting the need for more action. Currently, there is no specific HP2030 goal for students identifying as transgender.

Healthy People 2030 Objectives	Akron City	Summit County	Status
LGBT-05: Reduce bullying of lesbian, gay, or bisexual high school students to 20.7% or lower	33.8%	38.9%	Objective not achieved in Summit County
LGBT-D01: Reduce bullying of transgender students	11.6%	29.4%	This is a preliminary goal

Bullying Decreased Overall

Since 2013, the prevalence of students who reported having been bullied in any form in the past 12 months remained relatively constant in Akron while declining substantially in Summit County (**Figure 6.3.A**). Students who reported being teased or name called for any reason decreased in both regions.

In 2023, bullying on school property was more common in both Akron (17.2%) and Summit County (17.4%) compared to bullying that happened away from school or online. While general teasing decreased in both areas, more students are being teased for their gender, which nearly doubled since 2013. In Akron, the number of students teased for their weight increased from 14.9% in 2013 to 19.2% in 2023, with no change noted in Summit County over the same period.

⁹ The Long-Term Effects of Bullying, Victimization, and Bystander Behavior on Emotion Regulation and Its Physiological Correlates.” *Journal of Interpersonal Violence* 37, no. 3–4 (June 29, 2020). <https://doi.org/10.1177/0886260520934438>



Key Findings



LGBTQ students were twice as likely to report being bullied.

↑ 9th grade students were more likely to report bullying compared to older students.

Increased
Teasing over Weight
Akron
Teasing over Gender
Akron & County

Decreased
Bullying Overall
County
Teasing over Religion
County

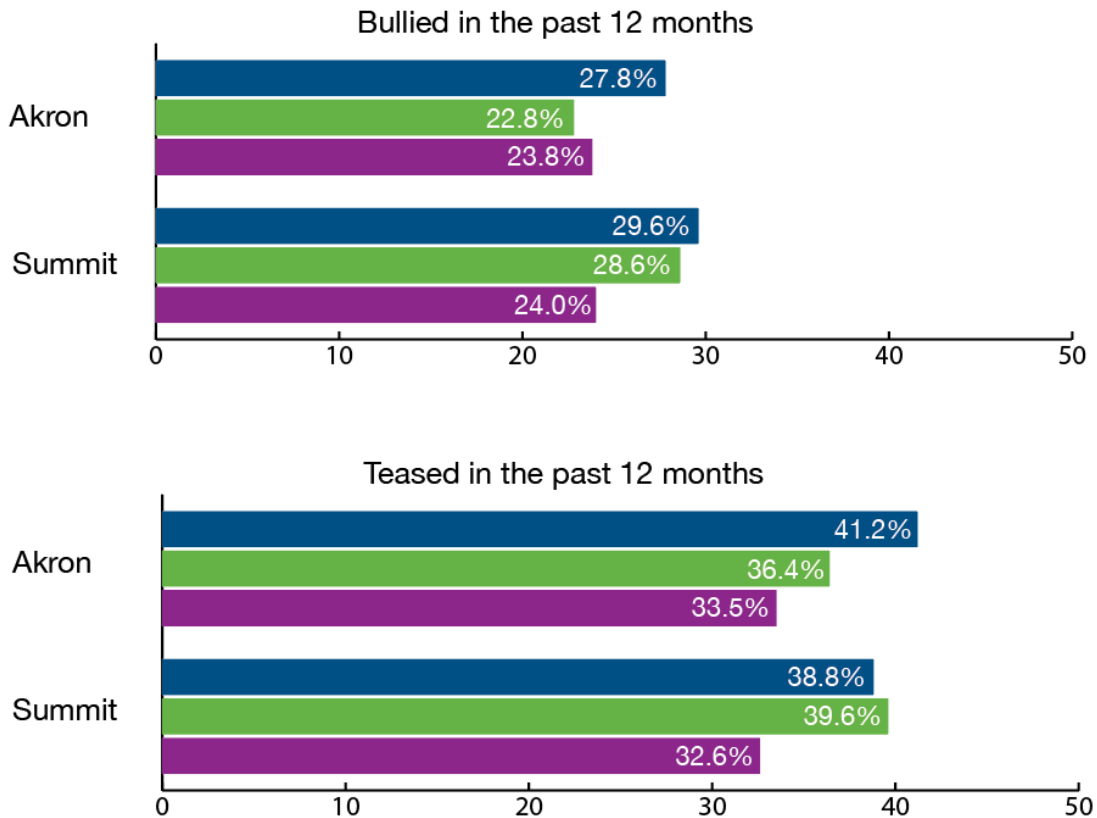


Figure 6.3.A. Students who were Bullied or Teased in the Past 12 Months, Summit County High School Trends

2013 2018 2023



Note: graphs have been scaled down for visual clarity



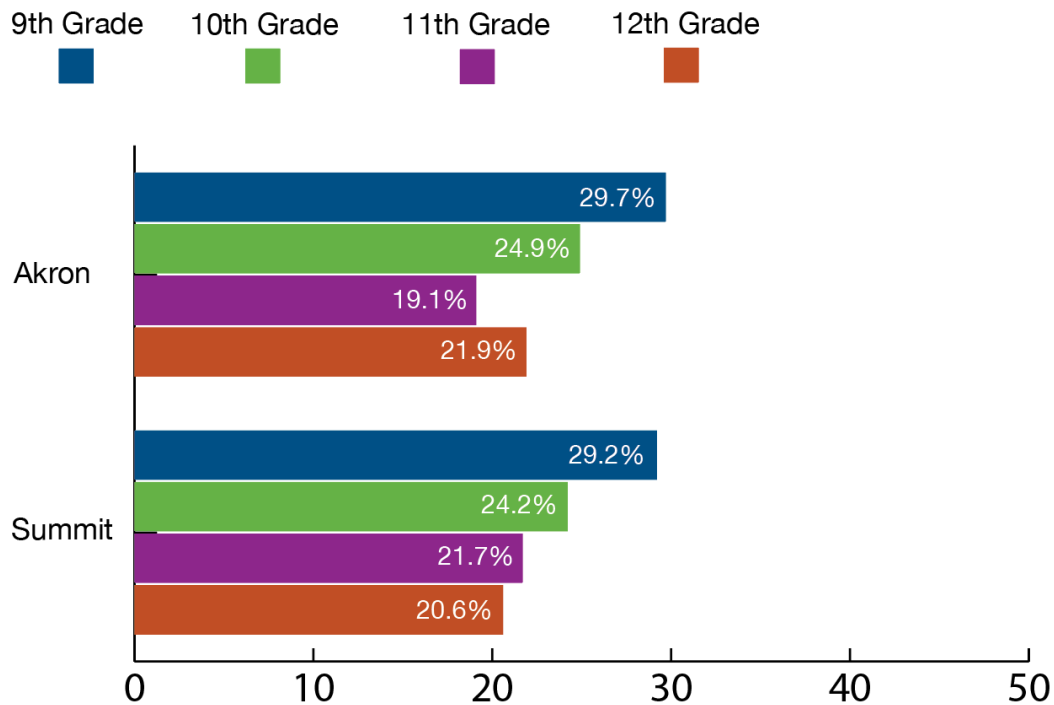
In reviewing this report, keep in mind that Akron data are included in the Summit County sample, which affects direct comparisons. Percentages may not total 100% due to rounding, and some visuals use varying scales to highlight trends or behaviors.



Demographic Prevalence

Grade Level. In both Akron and Summit County, 9th grade students were more likely than older students to report having been bullied, teased or name called in the past 12 months (**Figure 6.3.B**).

Figure 6.3.B. Students who were Bullied in the Past 12 Months by Grade, Summit County High School (2023)



Race and Ethnicity. In Akron, students who identified as White, multiracial, or Hispanic were more likely to report being bullied in the past 12 months. In Summit County, multiracial and Hispanic students were more likely to say they had been bullied compared to other racial and ethnic groups. In both Akron and Summit County, multiracial students were more likely to report being teased or name-called for any reason. Students who identified as Asian were significantly more likely to say they had been teased or name-called for their religion compared to all other racial and ethnic groups in both regions (**Figure 6.3.C**).

Sex. In both Akron and Summit County, females were more likely than males to report being bullied, teased, or name-called. The most common form of teasing was for weight (**Figure 6.3.D**).



Figure 6.3.C. Students who were Bullied in the Past 12 Months by Race and Ethnicity, Summit County High School (2023)

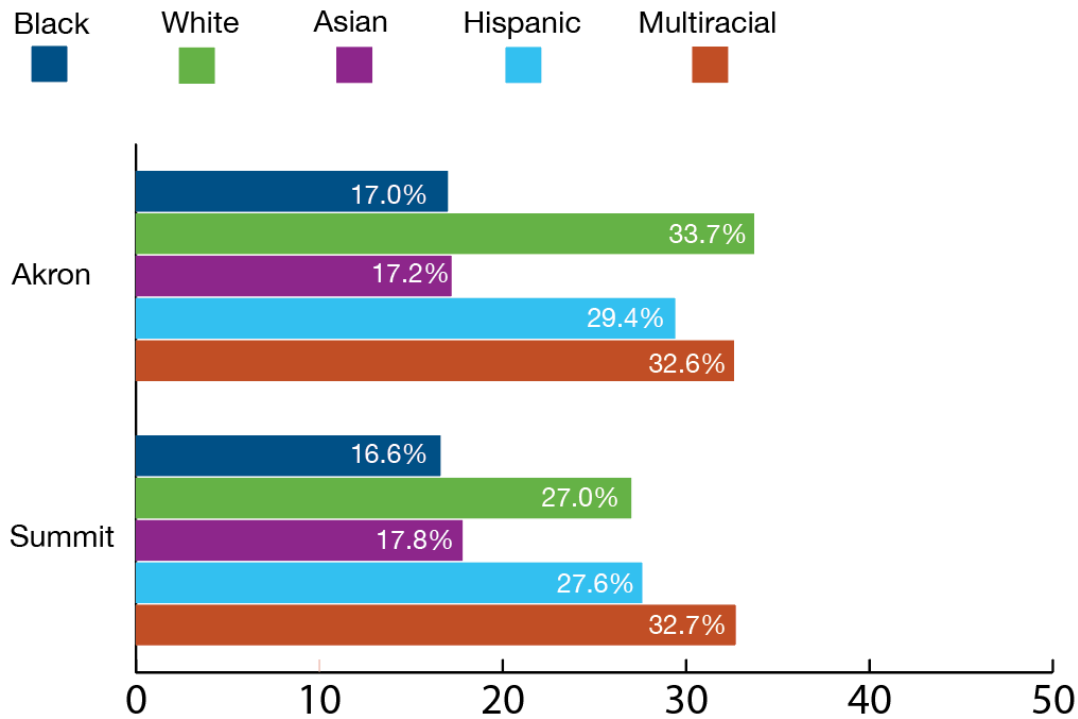
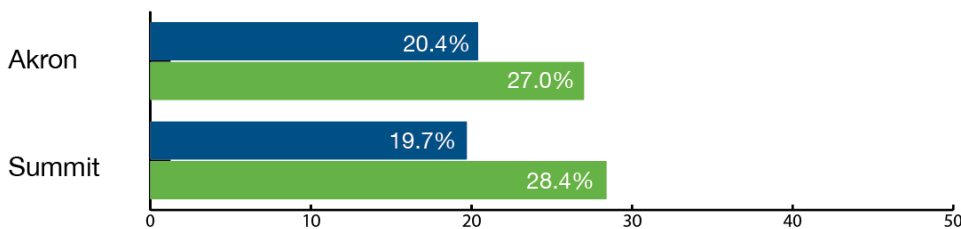


Figure 6.3.D. Students who were Bullied in the Past 12 Months by Sex, Summit County High School (2023)



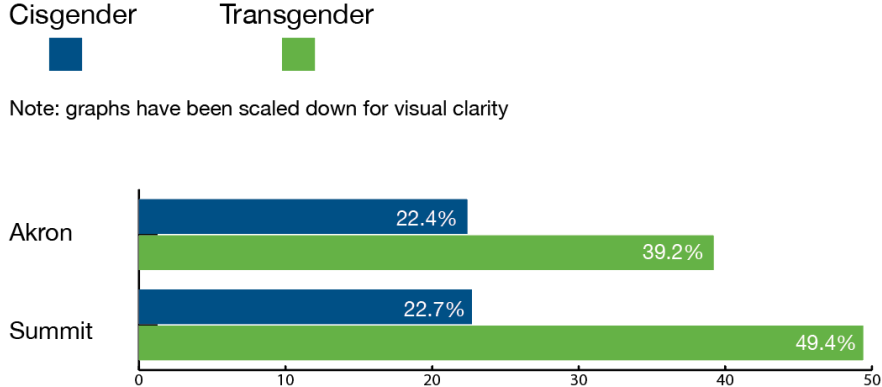
Note: graphs have been scaled down for visual clarity



Gender Identity. In both Akron and Summit County, students who identified as transgender or non-binary were more than twice as likely to report being bullied, teased, or name-called in the past 12 months compared to cisgender students. The most common form of teasing was related to their gender, with 35.9% of transgender students in Akron and 47.0% in Summit County reporting this experience (**Figure 6.3.E**).



Figure 6.3.E. Students who were Bullied in the Past 12 Months by Gender Identity, Summit County High School (2023)



Sexual Orientation. In both Akron and Summit County, students who identified as gay, lesbian, bisexual, questioning or unsure were about twice as likely to say they had been bullied, teased or name called in the past 12 months compared to heterosexual students (Figure 6.3.F.).

Figure 6.3.F. Students who were Bullied in the Past 12 Months by Sexual Orientation, Summit County High School (2023)

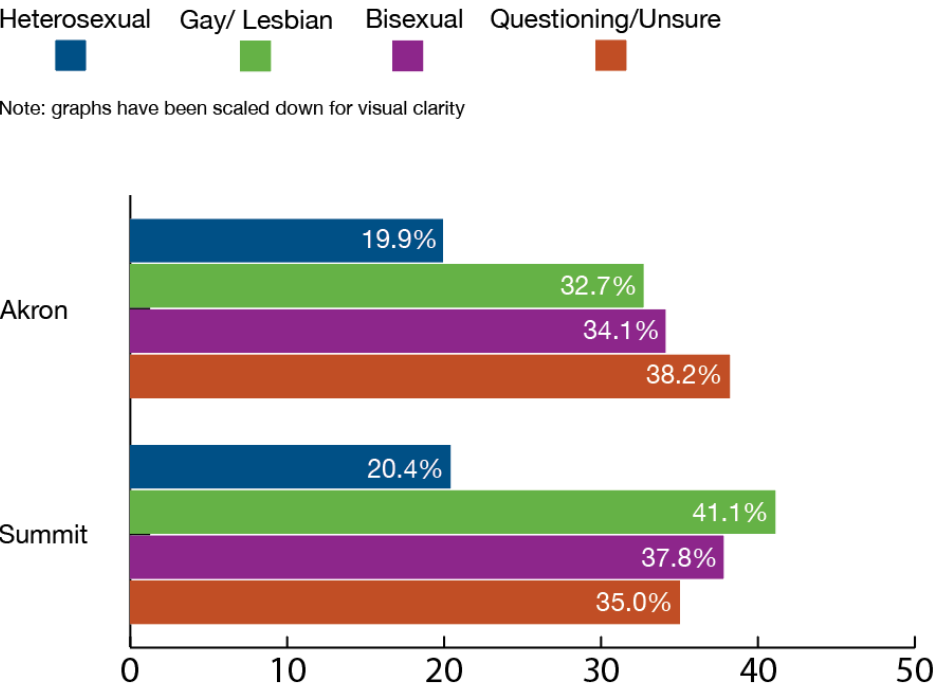




Table 6.3. Trends in Bullying, Summit County (2013-2023)					
Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
Ever bullied (On or off school property or electronically; during the past 12 months before the survey.)					
27.8 (26.1, 29.5)	22.8 (21.1, 24.5)	23.8 (21.3, 26.3)	29.6* (28.6, 30.7)	28.6* (27.6, 29.7)	24.0 (22.7, 25.4)
Ever bullied on school property (During the past 12 months before the survey.)					
18.7 (17.3, 20.2)	15.8 (14.4, 17.3)	17.2 (15.0, 19.5)	20.6* (19.7, 21.6)	20.4* (19.4, 21.3)	17.4 (16.2, 18.7)
Ever bullied away from school property (During the past 12 months before the survey.)					
12.8 (11.7, 14.0)	11.3 (10.0, 12.5)	10.8 (8.9, 12.8)	16.0* (15.2, 16.8)	15.9* (15.1, 16.7)	11.5 (10.5, 12.5)
Ever electronically bullied (Such as through email, chat rooms, instant messaging, websites, or text messaging; during the 12 months before the survey.)					
15.1 (13.8, 16.3)	12.9 (11.6, 14.2)	14.6 (12.4, 16.8)	17.1* (16.3, 17.9)	17.3* (16.5, 18.2)	15.0 (13.8, 16.2)
Teased or name called for any reason (During the past 12 months before the survey)					
41.2* (39.4, 42.9)	36.4 (34.4, 38.4)	33.5 (31.3, 35.8)	38.8* (37.8, 39.9)	39.6* (38.5, 40.7)	32.6 (31.2, 34.1)
Teased or name called for weight (During the past 12 months before the survey).					
14.9* (13.8, 15.9)	15.0* (13.5, 16.5)	19.2 (17.1, 21.3)	15.5 (14.7, 16.3)	16.2 (15.3, 17)	16.2 (15.1, 17.4)
Teased or name called for gender (During the past 12 months before the survey).					
3.1* (2.5, 3.7)	3.1* (2.4, 3.8)	5.7 (4.8, 6.7)	3.6* (3.2, 4.0)	3.8* (3.4, 4.2)	5.2 (4.5, 5.9)



Table 6.3. Trends in Bullying, Summit County (2013-2023)					
Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
Teased or name called for religion (During the past 12 months before the survey).					
4.2 (3.4, 5.0)	3.1 (2.5, 3.8)	4.6 (3.8, 5.4)	5.5* (5.0, 6.0)	4.8 (4.3, 5.2)	3.8 (3.3, 4.4)
Teased or name called for any other reason (During the past 12 months before the survey).					
20.1 (18.8, 21.5)	17.3 (15.8, 18.9)	20.3 (18.4, 22.1)	23.8* (22.9, 24.7)	20.6 (19.7, 21.5)	20.8 (19.6, 21.9)
*Asterisks identify significant differences from either baseline (2013) or the previous year (2018) when compared to the current data for 2023.					

7 Sexual Risk Behaviors



Many sexual behaviors can pose risks to adolescent health. The age adolescents begin having sex is a key factor that affects the number of lifetime sexual partners, contraception use, and the risk of sexually transmitted infections (STIs) and pregnancy. Human immunodeficiency virus (HIV) infection is a particular concern for youth, especially since in 2018, there were 1,739 new HIV infections and 5,035 ongoing cases in people aged 13 to 19 in the U.S.¹⁰ This age group accounted for 21% of all new HIV infections, making HIV and acquired immunodeficiency syndrome (AIDS) education critical in reducing health risks from sexual behaviors.¹⁰

Progress Towards Healthy People 2030 Objectives

Although Akron and Summit County made progress in increasing the number of youths who have never had sex, neither area met the HP2030 goal of 80.8%.

Healthy People 2030 Objectives	Akron City	Summit County	Status
FP-04: Increase the proportion of adolescents who have never had sex to 80.8% or higher	69.0%	76.7%	Objective not achieved in Summit County

Fewer Students Sexually Active

Since 2013, there has been a steady decrease in the number of students who are currently sexually active or have ever had sex (**Figure 7.1**). Additionally, fewer students are reporting having sex before age 13. When considered individually, Akron has higher current and ever had sex activity than Summit County. It's important to note that these numbers don't distinguish between consensual and non-consensual sexual activity.

Condom Use Decreased

Since 2013, fewer sexually active students said they or their partner used condoms during their last sexual encounter (**Figure 7.2**). The gap between Akron and Summit County widened, with 39.8% of Akron students reporting using a condom compared 53.4% of Summit County students.

¹⁰ "HIV Surveillance Report 2018 (UPDATED)." Centers for Disease Control and Prevention. Accessed October 31, 2024. <https://www.cdc.gov/hiv/pdf/library/reports/surveillance/cdc-hiv-surveillance-report-2018-updated-vol-31.pdf>.



Key Findings



 **Sexual intercourse decreased by nearly half**
in Akron and Summit County.

 **Males had higher rates: Having sex before age 13**
Condom use

 **Black, Hispanic & Multiracial**
county students have higher rates
ever having sex
than White & Asian students.

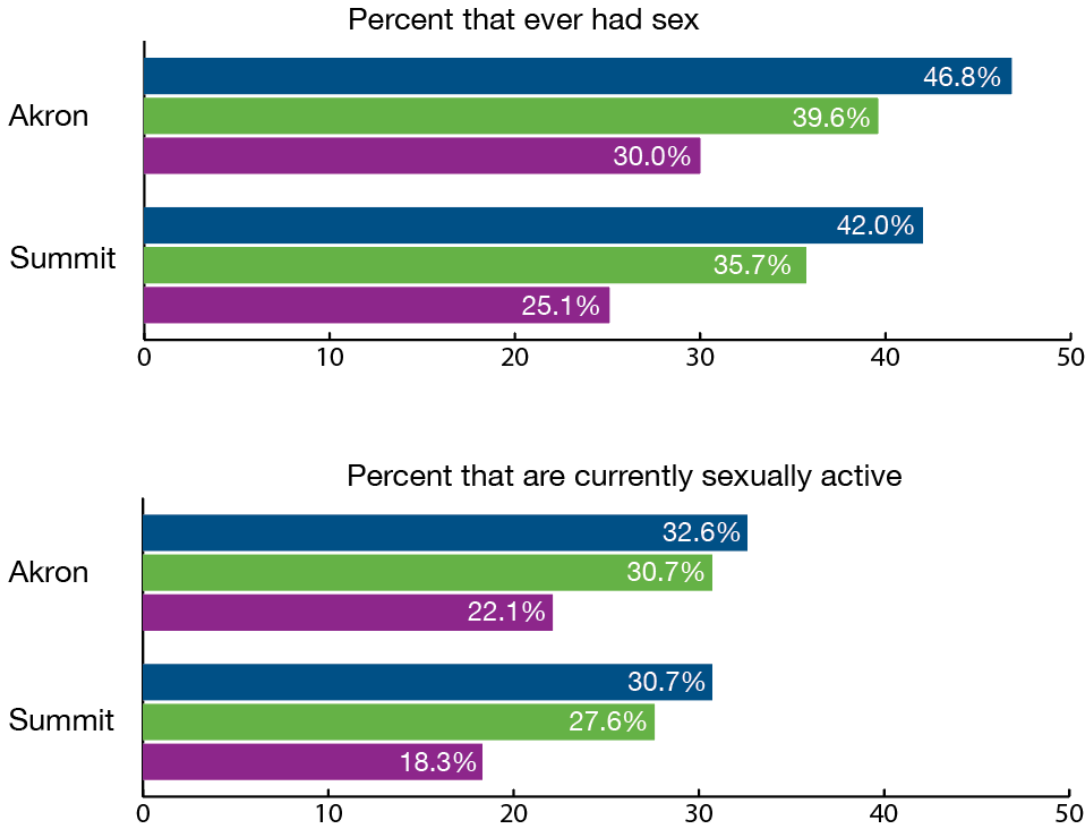
 **A third of students didn't use adequate birth control.**



Figure 7.1. Sexual Risk Behaviors, Summit County High School Trends

2013 2018 2023

Note: graphs have been scaled down for visual clarity



In reviewing this report, keep in mind that Akron data are included in the Summit County sample, which affects direct comparisons. Percentages may not total 100% due to rounding, and some visuals use varying scales to highlight trends or behaviors.

Birth Control Use Decreased

Since 2018, the number of sexually active students in both Akron and Summit County who reported using, or whose opposite-sex partner used, hormonal birth control or an intrauterine device (IUD) to prevent pregnancy decreased (**Figure 7.3**). At the same time, more students are reporting using ineffective methods like no method or withdrawal to prevent pregnancy in both regions.



Pregnancy Prevention

Students in Akron and Summit County reported using condoms the most to prevent pregnancy (39.5% and 45.3%, respectively) (**Figure 7.4**). However, students in Akron were more likely to report using no method (19.8%) compared to those in Summit County (19.3%). Similarly, more students in Akron reported using the withdrawal method (13.4% vs. 14.6%) or using birth control pills compared to Summit County students (11.5% vs 8.6%).

Figure 7.2. Students who Used (or Had a Partner who Used) a Condom During Last Intercourse, Summit County High School Trends

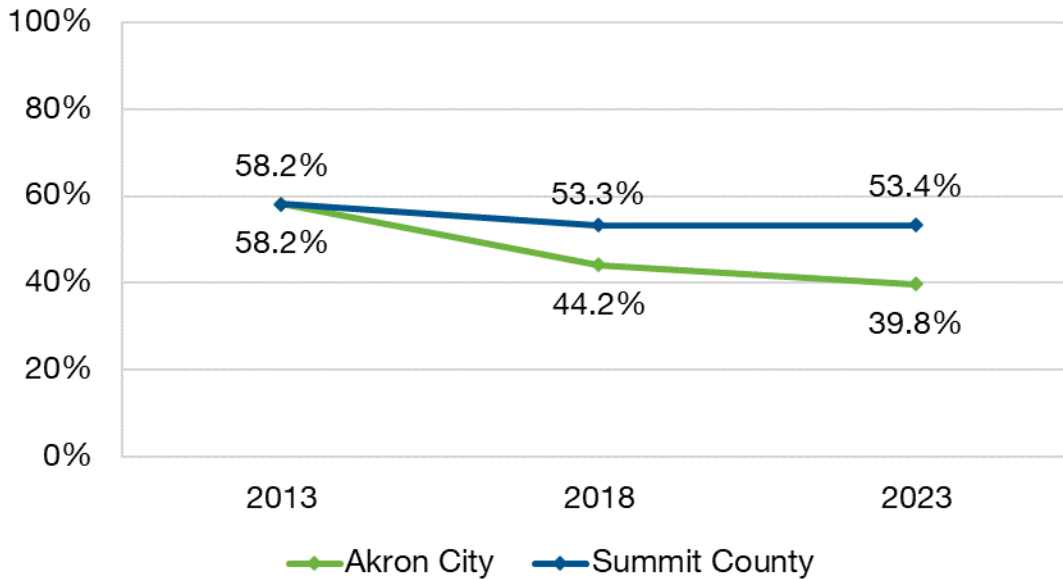




Figure 7.3. Students who Used (or Whose Opposite-Sex Partner Used) Hormonal Birth Control or Intrauterine Device to Prevent Pregnancy, Summit County High School Trends

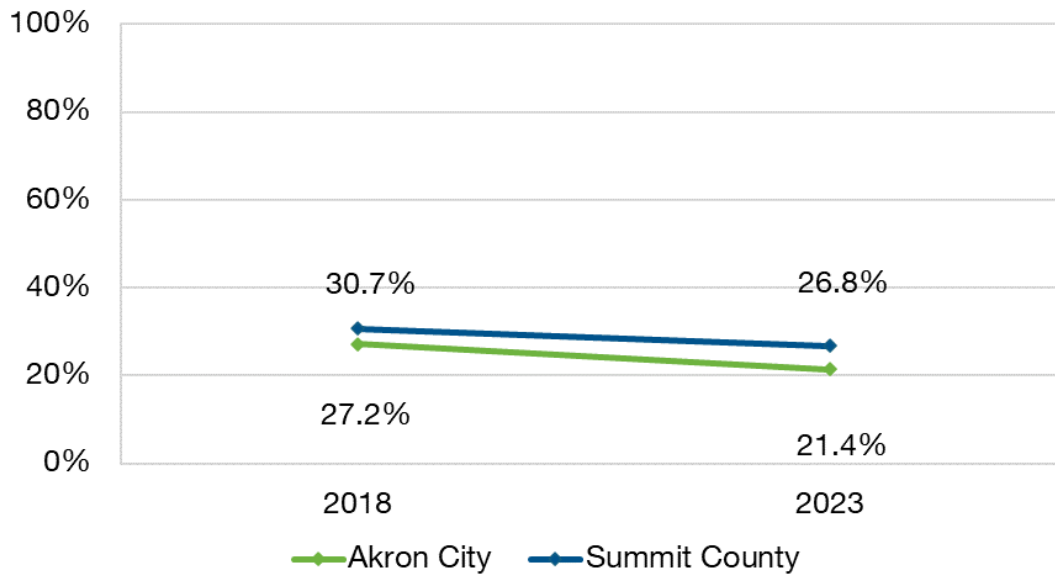
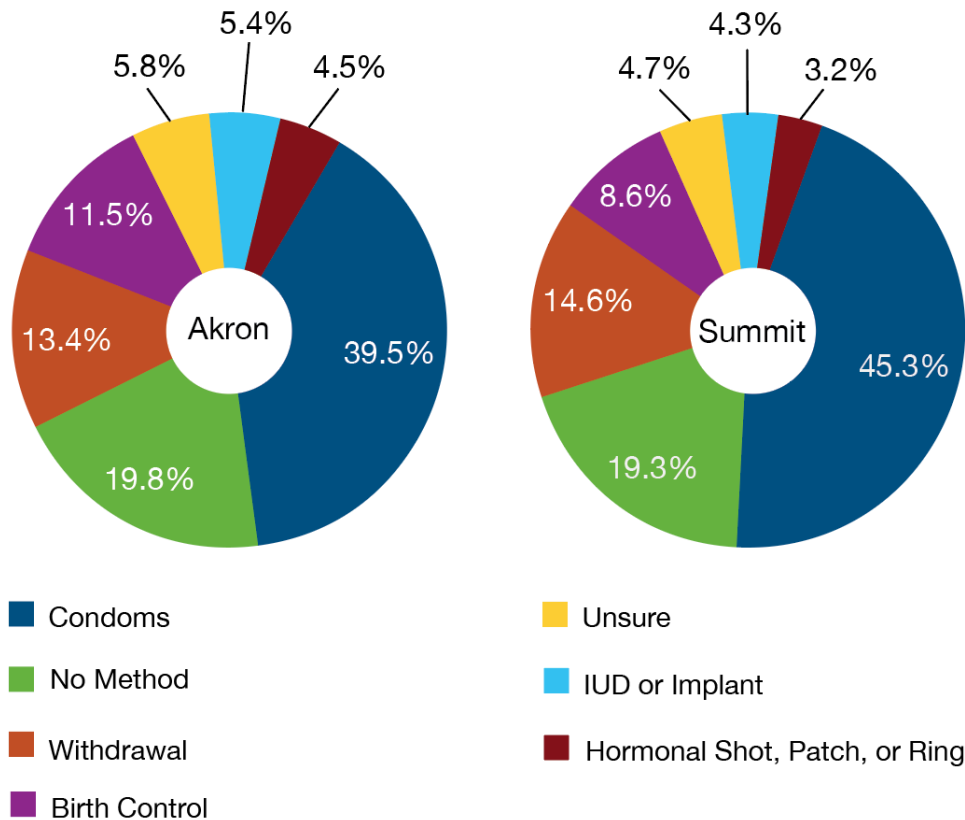


Figure 7.4. Methods of Pregnancy Prevention Among Sexually Active Students, Summit County High School (2023)

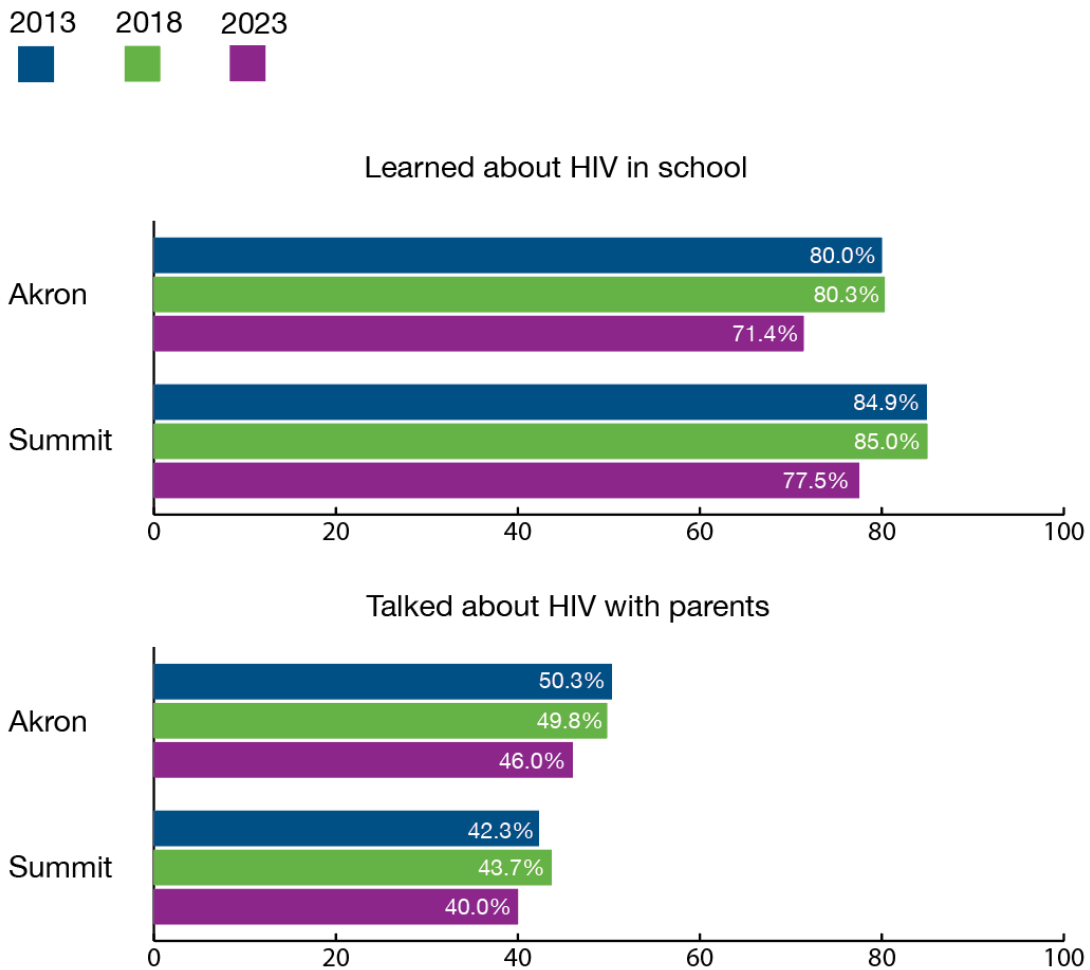




HIV and AIDS Education Decreased

Fewer students in Akron and Summit County report learning about HIV and AIDS in school, with the most noticeable decrease occurring between 2018 and 2023 (**Figure 7.5**). Students in Summit County were more likely to report they learned about HIV/AIDS in school (77.5%) than students in Akron (71.4%). The number of students talking to a parent or other adult about HIV/AIDS also decreased, but students in Akron (46.0%) were more likely to have these conversations than students in Summit County (40.0%).

Figure 7.5. HIV and AIDS Education, Summit County High School Trends





Demographic Prevalence

Grade Level. Sexual activity increased from 9th to 12th grade in both Akron and Summit County. In Akron, 14.0% of 9th grade students have had sex. By 12th grade the percentage increases to 48.4%. In Summit County, 11.2% of 9th grade students reported had sex, increasing to 43.9% by 12th grade. Similarly, older students are more likely to report current sexual activity and having used birth control, especially in Summit County. In both regions, 12th grade students are more likely to report being taught about HIV/AIDS in school and talking to a family member about it.

Race and Ethnicity. Asian students in both regions were the least likely to report ever having sex or were currently sexually active and were also least likely to say they had sex before age 13. Black students in Summit County were more likely reporting having four or more sexual partners compared to other students and White students were more likely to report using condoms.

Sex. Males in both regions were more likely to have had sex before age 13 compared to females. Males in Summit County are also more likely to use condoms, but females are more likely to use birth control to prevent pregnancy.

Gender Identity. There were no significant differences in sexual behaviors between cisgender and transgender/non-binary students.

Sexual Orientation. In Summit County, students who identified as bisexual were more likely to have had sex compared to heterosexual students.

Demographic data for each metric are available in Appendix B.



Table 7.1. Trends in Sexual Risk Behaviors, Summit County (2013-2023)						
Akron City % (95% CI)			Summit County % (95% CI)			
2013	2018	2023	2013	2018	2023	
Ever had sexual intercourse (Had sexual intercourse 1 or more times during their life.)						
46.8* (44.1, 49.5)	39.6* (36.9, 42.3)	31.0 (28.4, 33.6)	42.0* (40.4, 43.7)	35.7* (33.9, 37.6)	25.1 (23.3, 26.9)	
Had sexual intercourse before age 13 (Among <i>all</i> students.)						
11.2* (10.0, 12.4)	5.7 (4.5, 6.9)	4.5 (3.2, 5.7)	6.8* (6.2, 7.4)	3.4 (2.9, 3.9)	3.1 (2.4, 3.8)	
Had sexual intercourse before age 13 (Among students who have ever had sex.)						
37.4* (34.7, 40.2)	26.1 (22.2, 29.9)	21.9 (17.5, 26.3)	27.7* (26.0, 29.4)	18.9 (16.9, 20.8)	19.5 (16.6, 22.5)	
Currently sexually active (Had sexual intercourse with at least 1 person during the 3 months before the survey.)						
32.6* (30.2, 35.0)	30.7* (28.1, 33.3)	22.1 (19.2, 25.0)	30.7* (29.2, 32.1)	27.6* (26.0, 29.3)	18.3 (16.6, 20.1)	
Have had 4 or more sexual partners (During the 3 months before the survey.)						
13.1 (11.0, 15.3)	10.1 (7.6, 12.7)	10.8 (5.7, 16.0)	10.8 (9.6, 12.1)	7.4 (6.2, 8.5)	9.2 (6.4, 11.9)	
Drank alcohol or used drugs before having sexual intercourse (Among <i>all</i> students.)						
8.2 (7.2, 9.3)	6.8 (5.4, 8.2)	6.6 (4.5, 8.6)	8.3* (7.6, 8.9)	6.0* (5.3, 6.6)	4.1 (3.3, 4.9)	
Drank alcohol or used drugs before having sexual intercourse (Among students who were had sex in the past 3 months.)						
18.7 (16.7, 20.7)	16.8 (13.7, 19.9)	20.6 (14.2, 27.0)	20.5 (19.1, 21.9)	16.8 (15.3, 18.4)	16.1 (13.1, 19.2)	



Table 7.1. Trends in Sexual Risk Behaviors, Summit County (2013-2023)

Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
Condom use (Used a condom most of the time or always during the past 3 months among currently sexually active students.)					
58.2* (55.1, 61.3)	44.2 (40.2, 48.2)	39.8 (34.3, 45.2)	58.2 (56.2, 60.1)	53.3 (50.9, 55.6)	53.4 (49.3, 57.5)
Used or had a partner who used hormonal birth control method or IUD to prevent pregnancy (Among currently sexually active students.)					
N/A	27.2 (23.4, 31.1)	21.4 (17.0, 25.7)	N/A	30.7 (28.6, 32.7)	26.8 (23.4, 30.1)
Did not use or had a partner who did not use effective birth control method (Among currently sexually active students.)					
N/A	32.6 (29.2, 35.9)	39.1 (33.5, 44.7)	N/A	25.3 (23.5, 27.2)	27.9 (24.4, 31.5)
Were taught in school about AIDS or HIV infection^a					
80.0* (77.6, 82.4)	80.3* (78.7, 81.9)	71.4 (67.6, 75.1)	84.9* (83.9, 85.9)	85.0* (84.0, 86.0)	77.5 (75.9, 79.1)
Talked about AIDS or HIV infection with parents or adult in family					
50.3 (48.5, 52.0)	49.8 (47.6, 51.9)	46.0 (42.9, 49.1)	42.3 (41.3, 43.4)	43.7 (42.6, 44.8)	40.0 (38.3, 41.8)
<p>^a In 2013, question was asked "Have you ever been taught about AIDS or HIV infection in school?" In 2018, this question was modified to "Have you ever been taught in school that unprotected sex or sharing needles increases your risk for Aids or HIV infection?"</p> <p>*Asterisks identify significant differences from either baseline (2013) or the previous year (2018) when compared to the current data for 2023.</p>					

8 Nutrition & Physical Activity



Good nutrition and regular physical activity are essential for high school students' healthy development. Eating fruits and vegetables provides essential nutrients like fiber, vitamins, and minerals that help prevent diseases such as cancer, heart disease, and stroke. However, fewer youth regularly eat fruits and vegetables. Higher soft drink consumption can lead to weight gain, tooth decay, and other health problems.¹¹

Physical activity is closely tied to nutrition and helps build strong bones and muscles, maintain a healthy weight, and improve mental health. It also reduces the risk of high blood pressure, heart disease, diabetes, and some cancers.¹² Monitoring these behaviors in Summit County and Akron teens is important to identify areas where students may not be meeting their nutritional and physical activity needs.

8.1 Nutrition-Related Behaviors

Mixed Trends in Nutrition

Since 2013, the percentage of Akron students eating at least one fruit or vegetable daily remained steady, while increasing significantly in Summit County. The number of students who reported not eating any fruit or vegetable increased between 2013 and 2018, then decreased from 2018 to 2023 (**Figure 8.1.A**). Despite these trends, only about 10% of Akron and Summit County students reported eating the recommended five servings of fruits and vegetables daily.

Soda and Fast Food

In both Akron and Summit County, student soda consumption decreased significantly, especially between 2013 and 2018. Conversely, fast-food consumption increased in both regions, with the largest increase occurring during the same period. (**Figure 8.1.B**).

¹¹ Vartanian, Lenny R., Marlene B. Schwartz, and Kelly D. Brownell. "Effects of Soft Drink Consumption on Nutrition and Health: A Systematic Review and Meta-Analysis." ¹² *American Journal of Public Health* 97, no. 4 (April 2007): 667–75.

¹² 2015-2020 Dietary Guidelines." Office of Disease Prevention and Health Promotion. Accessed October 31, 2024. <http://health.gov/dietaryguidelines/2015/guidelines>.



Key Findings



Black students were more likely to experience worse nutrition and food insecurity compared to white students.



Three quarters of students didn't eat breakfast.

Increased

-  Fruits and Vegetables
County
-  Fast Food
Akron & County

Decreased

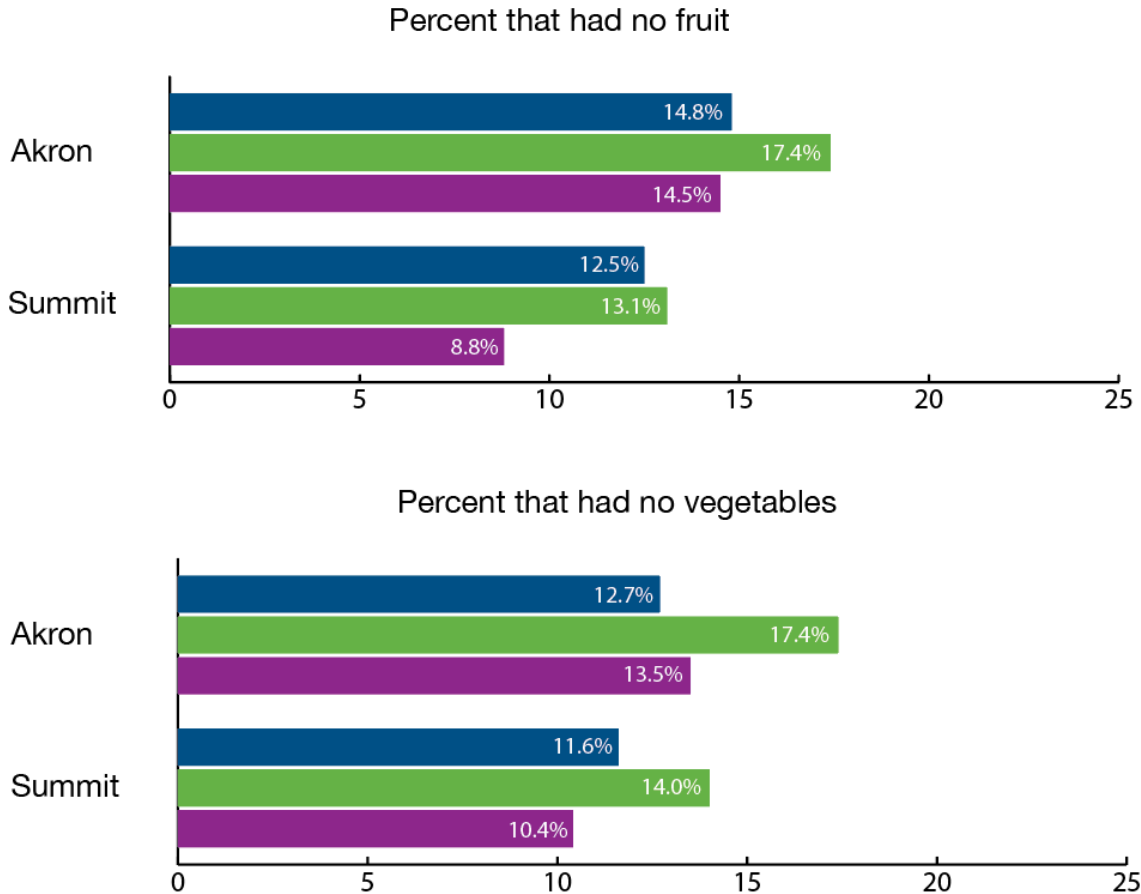
-  Fruit
Akron
-  Soda
Akron & County
-  Breakfast
Akron & County



Figure 8.1.A. Students who had No Fruit or Vegetables in the Past 7 Days, Summit County High School Trends

2013 2018 2023
■ ■ ■

Note: graphs have been scaled down for visual clarity



Soda and Fast Food

Despite a decrease in soda consumption in Akron and Summit County between 2013 and 2018, fast-food consumption increased in both regions, with the largest increase occurring during the same period. **(Figure 8.1.B).**

Fewer Students Eat Breakfast

Eating breakfast daily decreased in both regions, with the steepest decline in Akron (60.3% in 2013 to 46.2% in 2023) **(Figure 8.1.C).** Summit County experienced a less pronounced decrease compared to Akron during the same period.



Figure 8.1.B. Students who Had Any Soda or Fast Food in the Past 7 Days, Summit County High School Trends

2013 2018 2023
■ ■ ■

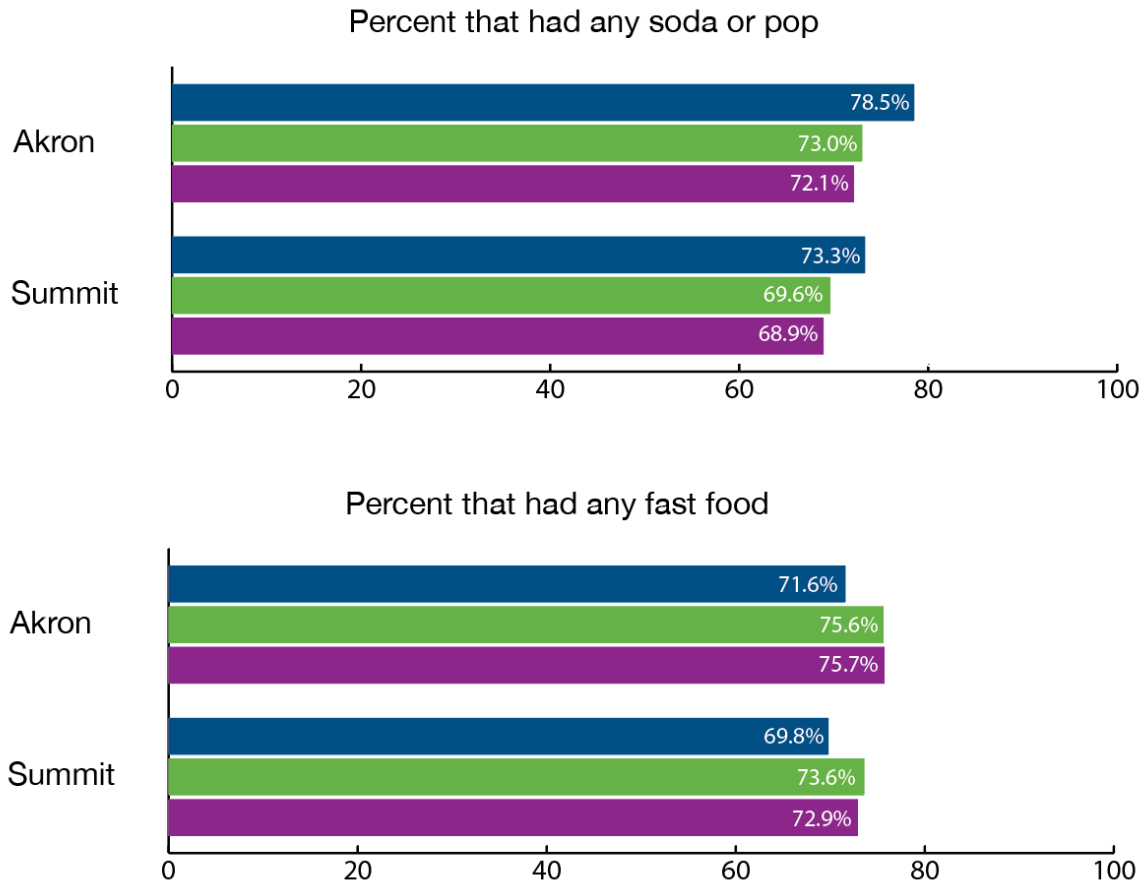
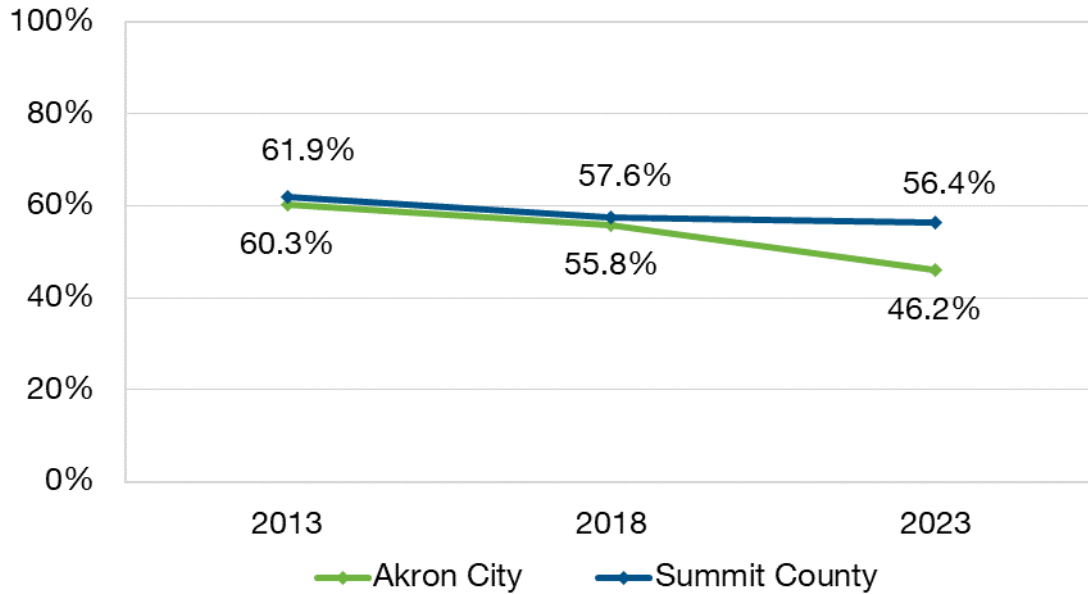




Figure 8.1.C. Students who Ate Breakfast Every Day in the Past 7 Days, Summit County High School Trends



In reviewing this report, keep in mind that Akron data are included in the Summit County sample, which affects direct comparisons. Percentages may not total 100% due to rounding, and some visuals use varying scales to highlight trends or behaviors.



Demographic Prevalence

Grade Level. Overall, younger students were more likely to eat breakfast every day compared to older students in both areas.

Race and Ethnicity. In Akron, Black students were least likely to have eaten five or more fruits and vegetables per day in the past week, and in both regions were more likely to drink soda and eat fast food. Despite this, Black students consumed fast food less often compared to White students. In Summit County, Black and Asian students were more likely to experience food insecurity compared to White students.

Sex. In both Akron and Summit County, male students were more likely than female students to eat fruit and breakfast daily. However, female students in Akron were more likely to eat vegetables regularly. Males in Summit County were more likely to eat fast food daily.

Gender Identity. In Summit County, cisgender students were more likely to eat fruit daily and less likely to drink soda every day compared to transgender and non-binary students.

Sexual Orientation. Heterosexual students in both Akron and Summit County were more likely to eat breakfast daily compared to gay, lesbian, or bisexual students. In both Akron and Summit County, gay and lesbian students were more likely to experience food insecurity compared to heterosexual students.

Demographic data for each metric are available in Appendix B.



Table 8.1. Trends in Nutrition-Related Behaviors, Summit County (2013-2023)					
Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
Had any fruit (In the past 7 days)					
85.2 (83.7, 86.6)	82.6 (80.9, 84.4)	85.5 (83.5, 87.5)	87.5* (86.8, 88.2)	86.9* (86.0, 87.7)	91.2 (90.3, 92.2)
Had at least one fruit every day (In the past 7 days)					
29.0 (27.2, 30.8)	24.1* (22.3, 26.0)	28.9 (26.1, 31.6)	34.1* (33.1, 35.1)	30.8* (29.7, 31.8)	39.6 (38.0, 41.1)
Had any vegetables (including salad) (In the past 7 days)					
87.3 (86.2, 88.4)	82.6* (80.8, 84.5)	86.5 (85.1, 87.8)	88.4 (87.7, 89.1)	86.0* (85.2, 86.8)	89.6 (88.6, 90.7)
Had at least one vegetable or salad every day (In the past 7 days)					
25.8 (24.3, 27.4)	20.6* (19.0, 22.1)	28.6 (25.8, 31.4)	27.5* (26.6, 28.4)	23.2* (22.2, 24.2)	35.4 (33.8, 36.9)
Had 5 or more fruits and vegetables per day (In the past 7 days)					
20.1* (18.5, 21.7)	14.6* (13.2, 16.1)	10.5 (9.0, 11.9)	18.6* (17.8, 19.5)	13.8 (13.1, 14.6)	12.1 (11.0, 13.3)
Had any soda or pop (In the past 7 days)					
78.5* (76.9, 80.1)	73.0 (70.9, 75.0)	72.1 (69.8, 74.3)	73.3* (72.3, 74.2)	69.6 (68.5, 70.7)	68.9 (67.4, 70.4)
Had soda or pop every day (In the past 7 days)					
25.5* (23.7, 27.2)	18.2 (16.5, 20.0)	18.7 (16.6, 20.9)	21.7* (20.8, 22.6)	16.0 (15.1, 16.9)	14.7 (13.5, 15.9)



Table 8.1. Trends in Nutrition-Related Behaviors, Summit County (2013-2023)

Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
No breakfast (In the past 7 days)					
17.5* (15.9, 19.1)	20.9* (19.1, 22.7)	26.4 (24.3, 28.5)	17.8* (16.9, 18.6)	19.3 (18.3, 20.2)	21.0 (19.7, 22.3)
Ate breakfast every day (In the past 7 days)					
60.3* (58.3, 62.3)	55.8* (53.7, 57.9)	46.2 (43.2, 49.2)	61.9* (60.8, 63.0)	57.6 (56.4, 58.8)	56.4 (54.8, 58.1)
Had any fast food (In the past 7 days)					
71.6 (69.8, 73.4)	75.6 (73.6, 77.5)	75.7 (72.9, 78.4)	69.6* (68.5, 70.6)	75.1 (74.0, 76.1)	75.8 (74.3, 77.3)
Had fast food every day (In the past 7 days)					
3.4 (2.7, 4.1)	4.6 (3.7, 5.6)	3.5 (2.7, 4.3)	2.7 (2.3, 3.0)	2.7 (2.3, 3.0)	2.3 (1.8, 2.8)
Experienced food insecurity (In the past 30 days)					
N/A	N/A	14.8 (12.8, 16.7)	N/A	N/A	9.8 (8.7, 10.8)

*Asterisks identify significant differences from either baseline (2013) or the previous year (2018) when compared to the current data for 2023.



8.2 Physical Activity

Physical activity is crucial for youth health and development. Regular exercise helps build strong muscles and bones, supports heart health, and maintains a healthy weight.¹³ It also enhances mental well-being by improving mood, reducing anxiety, and boosting cognitive function. Sports participation offers additional benefits, such as social interaction, teamwork, and developing discipline and leadership skills. Promoting active lifestyles in youth is crucial for their long-term health and success.

Progress Towards Healthy People 2030 Objectives

Both Akron and Summit County met the HP2030 goal for aerobic physical activity, with nearly one-third or more of high school students reported getting the recommended amount of physical activity in the past week. In contrast, neither region met the HP2030 target for percentage of students participating in one or more sports teams in the past year (63.3%).

Healthy People 2030 Objectives	Akron City	Summit County	Status
PA-06: Increase the proportion of adolescents who get enough aerobic physical activity to 30.6% or higher	31.4%	46.3%	Objective achieved in Summit County
PA-12: Increase the proportion of adolescents who play sports to 63.3% or higher	42.1%	58.1%	Objective not achieved in Summit County

Fewer Akron Students Meet Recommended Physical Activity Levels or Play on Sports Teams

Summit County students were more likely than Akron students to meet the guideline of at least 60 minutes being active daily on five of the past seven days (**Figure 8.2.A**). In Summit County, the proportion of students who reported playing on at least one sports team in the past year remained unchanged (**Figure 8.2.B**). In Akron, the decrease was most noticeable between 2018 and 2023.

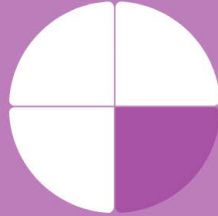
¹³ Scientific Report - 2018 Physical Activity Guidelines .” Office of Disease Prevention and Health Promotion. Accessed October 31, 2024. <https://health.gov/paguidelines/second-edition/report.aspx>.



Key Findings



Three quarters of students do not get adequate sleep.



↑ There were higher rates of participation in sports among white, cisgender, and male students in Summit County.



Transgender, female, bisexual, and questioning Summit County students reported higher levels of screen time.



Akron students have had decreases in physical activity.



Figure 8.2.A. Students who Met Physical Activity Guidelines, Summit County High School Trends

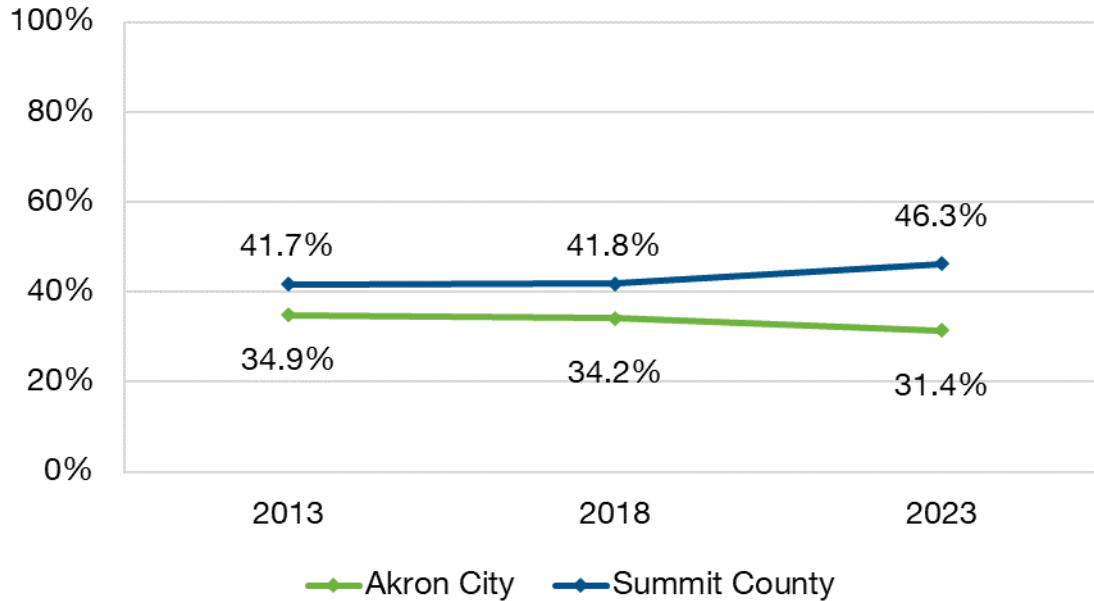
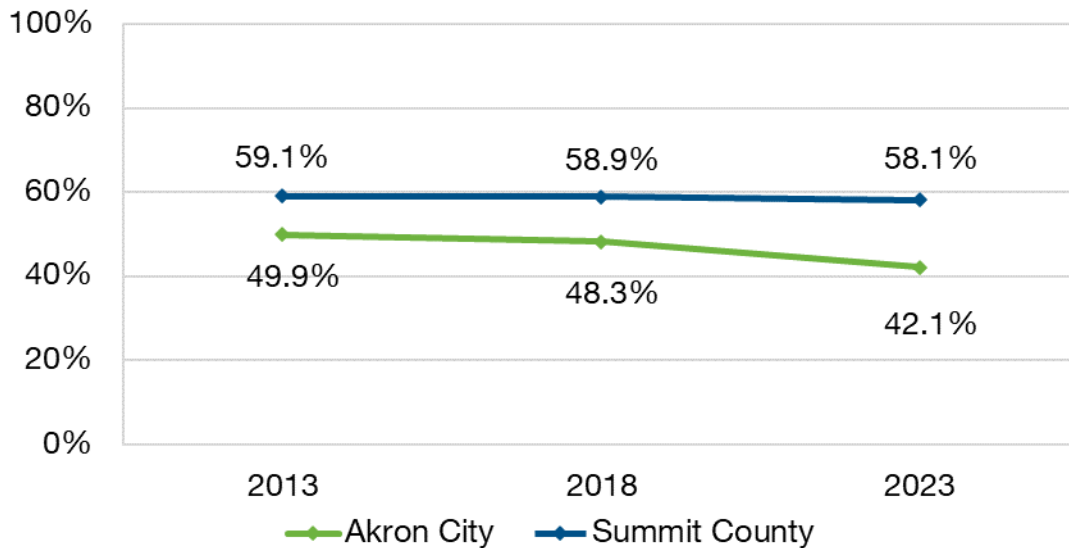


Figure 8.2.B. Students who Participated on a Sports Team, Summit County High School Trends





Demographic Prevalence

Grade Level. In Summit County, 11th grade students (13.1%) were significantly less likely than 12th grade students (22.1%) to report no physical activity. In Akron and Summit County, 12th grade students were less likely than younger students to meet physical activity recommendations or play on sports teams.

Race and Ethnicity. In Akron and the County, White students were more likely to meet physical activity recommendations and play on sports teams compared to students of other races or ethnicities.

Sex. In Summit County, physical activity rates were similar for males and females, but males were more likely to have played on a sports team.

Gender Identity. In Akron and Summit County, cisgender students were more likely than transgender or non-binary students to meet physical activity recommendations, play on sports teams, and report no physical activity.

Sexual Orientation. In both regions, heterosexual students were more likely than students identifying as gay, lesbian, bisexual, or questioning or unsure to meet physical activity recommendations and play on sports teams.

Demographic data for each metric are available in Appendix B.



Table 8.2. Trends in Physical Activity, Summit County (2013-2023)					
Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
Met Physical Activity Recommendations (Were physically active for at least 60 minutes per day on at least 5 out of the past 7 days)					
34.9 (33.1, 36.8)	34.2 (31.7, 36.7)	31.4 (28.9, 33.8)	41.7* (40.5, 42.8)	41.8* (40.5, 43.1)	46.3 (44.4, 48.1)
No Physical Activity (Were not physically active for at least 60 minutes per day in the past 7 days)					
24.1 (22.4, 25.9)	25.9 (23.6, 28.2)	24.6 (21.5, 27.7)	18.5 (17.6, 19.4)	17.9 (16.9, 19.0)	16.3 (14.8, 17.7)
Played on one or more sports teams (In the past 12 months)					
49.9* (47.7, 52.0)	48.3* (45.8, 50.8)	42.1 (39.3, 44.9)	59.1 (57.9, 60.4)	58.9 (57.4, 60.4)	58.1 (56.3, 59.9)
*Asterisks identify significant differences from either baseline (2013) or the previous year (2018) when compared to the current data for 2023.					



8.3 Screen Time and Sleep

Excessive screen time and poor sleep habits can harm youth health, reducing activity, increasing the risk of weight gain and impairing immune function and cognitive performance.¹⁴ Managing screen time and prioritizing sleep are critical for maintaining overall youth well-being.

Progress Towards Healthy People 2030 Objectives

HP2030 aims for one in four youth to get at least eight hours of sleep per night. However, in Summit County and Akron, the percentage of students meeting this goal remains unchanged and below the HP2030 target.

Healthy People 2030 Objectives	Akron City	Summit County	Status
SH-04: Increase the proportion of high school students who get enough sleep to 27.4% or higher	22.2%	22.5%	Objective not achieved in Summit County

High School Students Not Getting Enough Sleep

Only about one in five students in Akron and Summit County reported getting eight or more hours of sleep on an average school night. This decreased in both regions since 2013.

Most Students on Screens Three Hours or More Nightly

Three-quarters of students in both Akron and Summit County reported spending three or more hours using screens on school nights. Nearly all students (more than 90%) used social media. Among those who use social media, most use it at least once daily.

Demographic Prevalence

Grade Level. In both regions, 12th grade students were significantly less likely to get eight or more hours of sleep and more likely to use social media than younger students.

Race and Ethnicity. Multiracial students were least likely to get eight or more hours of sleep and most likely to have three or more hours of screen time, while White students were most likely to use social media daily.

¹⁴ Stiglic, Neza, and Russell M Viner. "Effects of Screen Time on the Health and Well-Being of Children and Adolescents: A Systematic Review of Reviews." *BMJ Open* 9, no. 1 (January 2019). <https://doi.org/10.1136/bmjopen-2018-023191>.

Sex. Summit County males were more likely to get eight or more hours of sleep, while females were more likely to report three or more hours of screen time and daily social media use.



Gender Identity. Transgender and non-binary students in Summit County were more likely to report three or more hours of screen time compared to cisgender students.

Sexual Orientation. Bisexual students in Akron and gay, lesbian and bisexual students in Summit County were less likely to get eight or more hours of sleep compared to heterosexual students. In both regions, bisexual and questioning or unsure students reported three or more hours of screen time more than heterosexual students.

Demographic data for each metric are available in Appendix B.

Table 8.3. Screen Time and Sleep, Summit County (2013-2023)					
Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
Obtained eight or more hours of sleep (On an average school night)					
27.0 (25.1, 29.0)	21.6 (20.0, 23.3)	22.2 (19.9, 24.4)	26.8 (25.8, 27.8)	19.6 (18.6, 20.6)	22.5 (21.0, 24.0)
Had 3 or more hours of screentime (On an average school night)					
N/A	N/A	73.4 (70.4, 76.4)	N/A	N/A	74.5 (73.0, 76.1)
Uses any social media					
N/A	N/A	90.1 (89.0, 91.3)	N/A	N/A	91.5 (90.7, 92.3)
Uses social media at least once per day (among those who use any social media)					
N/A	N/A	85.4 (83.7, 87.1)	N/A	N/A	89.9 (89.0, 90.9)
*Asterisks identify significant differences from either baseline (2013) or the previous year (2018) when compared to the current data for 2023.					



8.4 Obesity and Weight Control

Obesity has reached epidemic levels, with adult rates increasing by more than 60% and rates in children and adolescents tripling over the past 20 years.¹⁵ Adolescent obesity is linked to psychological issues, type 2 diabetes, sleep apnea, high blood pressure, and metabolic syndrome.¹⁶ Overweight teens are likely to become overweight adults, increasing their risk for diabetes, heart disease, stroke, arthritis, and certain cancers.¹⁷

Progress Towards Healthy People 2030 Objectives

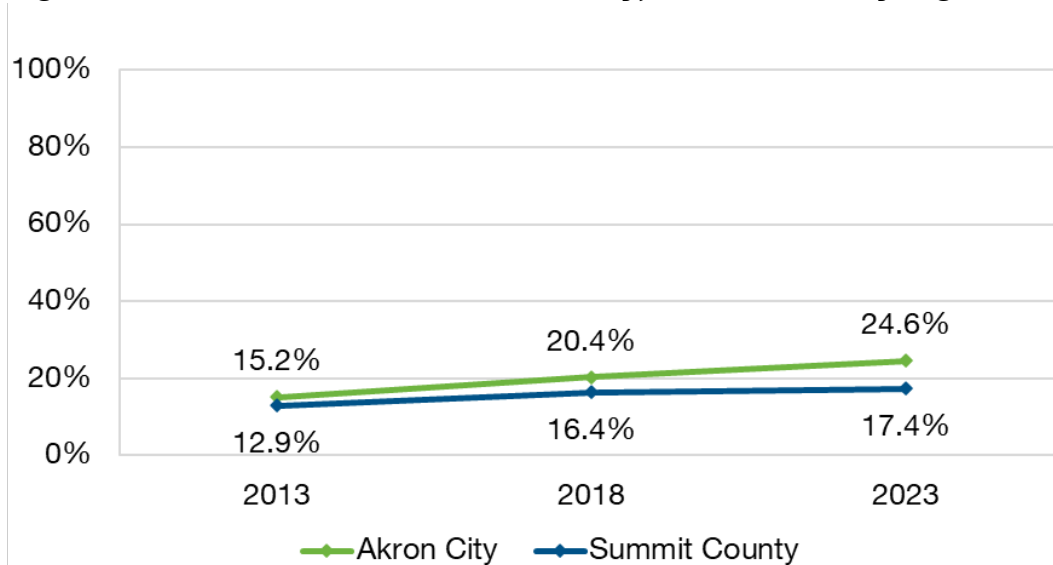
Adolescent obesity rates in Akron and Summit County are drifting further away from the HP2030 target goal.

Healthy People 2030 Objectives	Akron City	Summit County	Status
NWS-04: Reduce the proportion of children and adolescents with obesity to 15.5% or lower	24.6%	17.4%	Objective not been achieved in Summit County

Obesity Increasing

Obesity is rising in both regions with students in Akron disproportionately affected (Figure 8.4.A).

Figure 8.4.A. Students who Have Obesity, Summit County High School Trends



¹⁵ Tiwari, Aditi, and Palanikumar Balasundaram. "Public Health Considerations Regarding Obesity." StatPearls, June 5, 2023. <https://www.ncbi.nlm.nih.gov/books/NBK572122/>.

¹⁶ Halfon, Neal, Kandyce Larson, and Wendy Slusser. "Associations between Obesity and Comorbid Mental Health, Developmental, and Physical Health Conditions in a Nationally Representative Sample of US Children Aged 10 to 17." *Academic Pediatrics* 13, no. 1 (January 2013): 6–13. <https://doi.org/10.1016/j.acap.2012.10.007>.

¹⁷ May, Ashleigh L., Elena V. Kuklina, and Paula W. Yoon. "Prevalence of Cardiovascular Disease Risk Factors among US Adolescents, 1999–2008." *Pediatrics* 129, no. 6 (June 1, 2012): 1035–41. <https://doi.org/10.1542/peds.2011-1082>.



Key Findings



1 in 4
Akron students
identified
as obese.

↑ Black, Hispanic, and
Multiracial county students
had higher rates of obesity.

↑ Increased
Obesity
Akron & County
Weight loss through
vomiting/laxatives
Akron & County

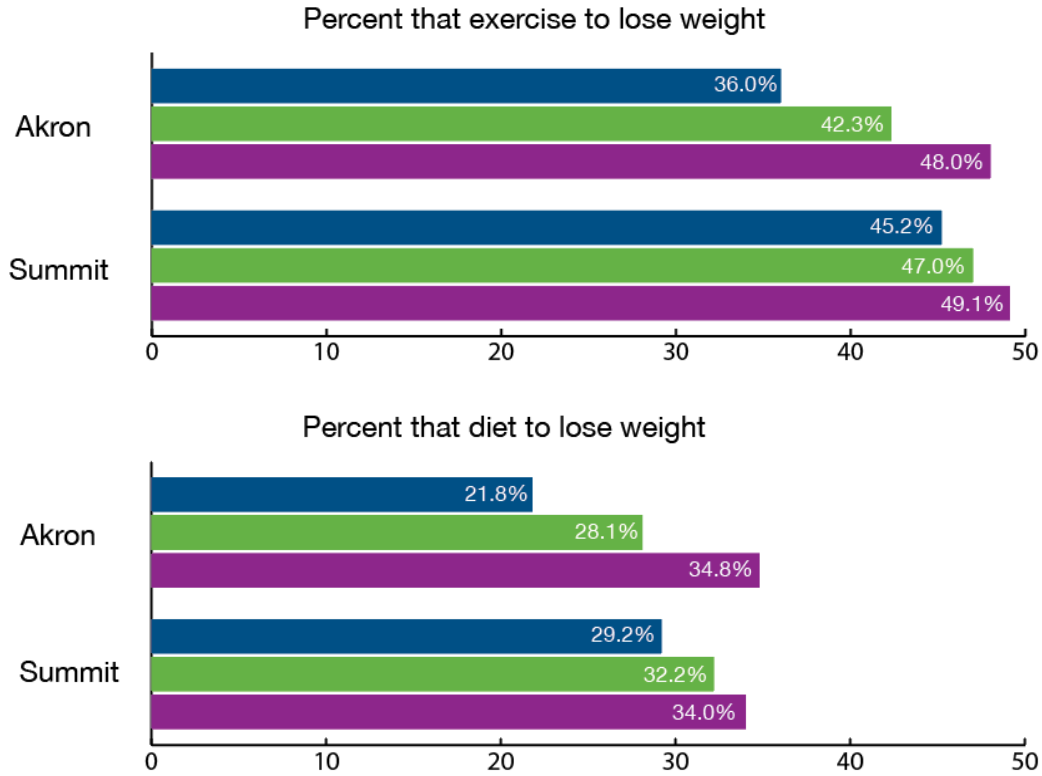
↑ Female
students were more likely
to describe themselves
as overweight
and to use unhealthy
weight loss methods.



Figure 8.4.B. Methods for Losing Weight, Summit County High School Trends

2013 2018 2023

Note: graphs have been scaled down for visual clarity

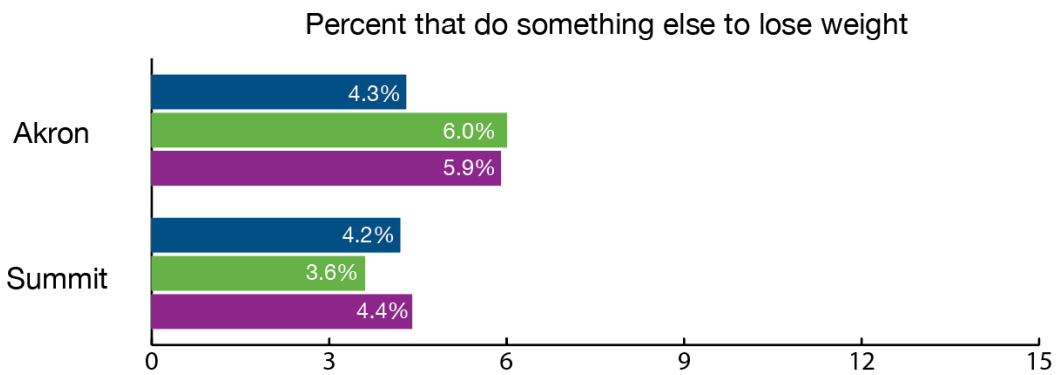
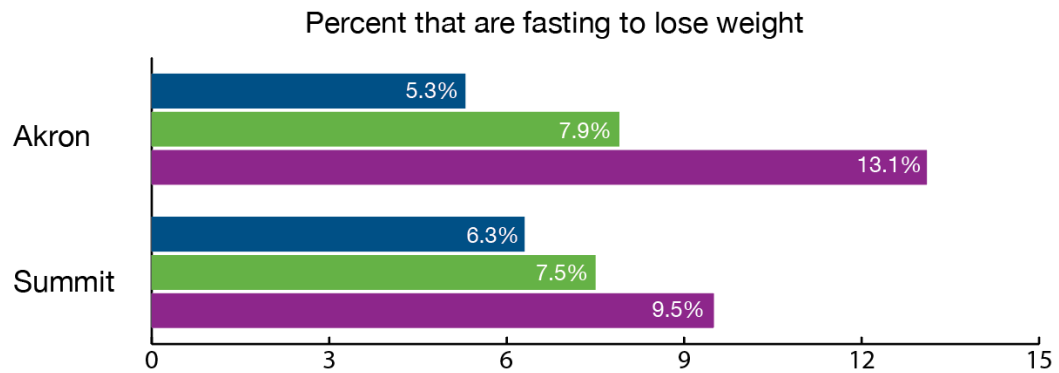


In reviewing this report, keep in mind that Akron data are included in the Summit County sample, which affects direct comparisons. Percentages may not total 100% due to rounding, and some visuals use varying scales to highlight trends or behaviors.



2013 2018 2023

Note: graphs have been scaled down for visual clarity

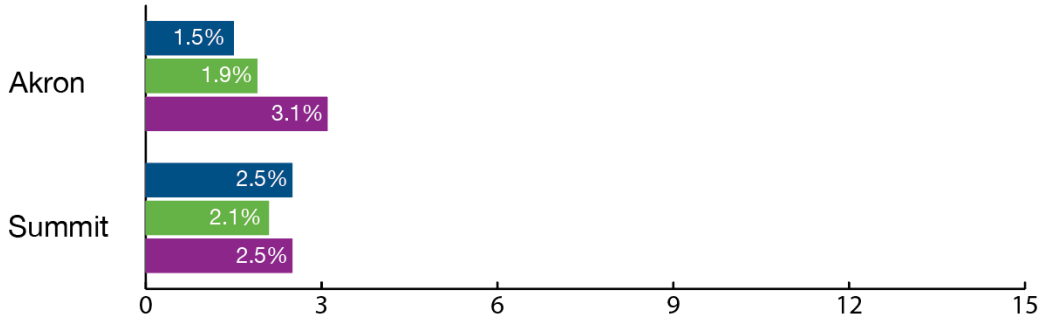




2013 2018 2023

Note: graphs have been scaled down for visual clarity

Percent that vomit to lose weight



Percent that used pills to lose weight





Students Try to Lose Weight by Eating Less or Exercising

Students in Akron and Summit County exercised and ate less to lose or maintain weight (**Figure 8.4.B.**). While overall physical activity decreased since 2013, more students exercised to manage their weight in both regions. In Akron, the use of vomiting or laxatives more than doubled, from 1.5% in 2013 to 3.1% in 2023, with no significant change in Summit County.

Demographic Prevalence

Grade Level. In Akron, 9th graders were more likely than 12th graders to report using diet pills or laxatives to lose weight.

Race and Ethnicity. In both regions, Asian students had the lowest obesity rates, while multiracial students were most likely to describe themselves as overweight and try to lose weight by fasting.

Sex. In both Akron and Summit County, female students were more likely than males to describe themselves as overweight, try to lose weight and use methods like eating less, fasting, or vomiting/laxatives to lose weight compared to males.

Gender Identity. In Summit County, transgender or non-binary students had higher rates of obesity and were more likely to report that they were trying to lose weight compared to cisgender students.

Sexual Orientation. In Akron, heterosexual students had lower obesity rates than bisexual students, while in Summit County, they had lower obesity rates than all LGBTQ+ groups. Heterosexual students were also less likely than LGBTQ+ students to describe themselves as overweight or try to lose weight.

Demographic data for each metric are available in Appendix B.



Table 8.4. Trends in Obesity and Weight Control, Summit County (2013-2023)					
Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
Had obesity					
15.2 (13.9, 16.5)	20.4 (18.5, 22.2)	24.6 (22.3, 27.0)	12.9 (12.2, 13.7)	16.4 (15.4, 17.4)	17.4 (16.0, 18.9)
Were overweight					
17.2 (15.7, 18.6)	18.3 (16.7, 19.9)	17.4 (15.1, 19.8)	16.3 (15.5, 17.1)	17.0 (16.1, 17.8)	16.0 (14.7, 17.3)
Describe themselves as overweight					
29.8 (28.0, 31.6)	32.8 (30.9, 34.7)	31.5 (29.6, 33.5)	30.5 (29.5, 31.5)	32.7 (31.6, 33.8)	28.2 (26.7, 29.6)
Trying to lose weight					
45.8 (43.8, 47.7)	44.2 (42.3, 46.0)	44.7 (42.5, 46.9)	44.6 (43.5, 45.7)	45.7 (44.4, 46.9)	40.2 (38.7, 41.8)
Trying to lose weight or keep from gaining weight in past 30 days					
61.1 (59.4, 62.9)	64.8 (62.9, 66.6)	60.3 (58.2, 62.4)	58.6 (57.5, 59.7)	65.9 (64.9, 66.9)	57.8 (56.2, 59.4)
Trying to lose weight or keep from gaining weight in past 30 days by exercising					
36.0 (34.3, 37.7)	42.3 (40.0, 44.5)	48.0 (45.8, 50.2)	45.2 (44.1, 46.3)	47.0 (45.8, 48.1)	49.1 (47.6, 50.6)
Trying to lose weight or keep from gaining weight in past 30 days by eating less					
21.8 (20.3, 23.3)	28.1 (26.1, 30.2)	34.8 (32.4, 37.2)	29.2 (28.2, 30.3)	32.2 (31.1, 33.4)	34.0 (32.4, 35.5)



Table 8.4. Trends in Obesity and Weight Control, Summit County (2013-2023)						
Akron City % (95% CI)			Summit County % (95% CI)			
2013	2018	2023	2013	2018	2023	
Trying to lose weight or keep from gaining weight in past 30 days by fasting						
5.3* (4.7, 6.0)	7.9* (7.0, 8.9)	13.1 (10.8, 15.4)	6.3* (5.8, 6.8)	7.5* (7.0, 8.1)	9.5 (8.5, 10.5)	
Trying to lose weight or keep from gaining weight in past 30 days by taking diet pills, powders, or liquids						
1.7 (1.3, 2.1)	1.8 (1.3, 2.3)	1.6 (1.1, 2.2)	2.2* (1.9, 2.4)	1.7 (1.4, 2.0)	1.4 (1.1, 1.8)	
Trying to lose weight or keep from gaining weight in past 30 days by vomiting or taking laxatives						
1.5* (1.1, 1.8)	1.9 (1.4, 2.4)	3.1 (2.1, 4.1)	2.5 (2.2, 2.9)	2.1 (1.8, 2.4)	2.5 (2.0, 3.0)	
Trying to lose weight or keep from gaining weight in past 30 days by doing something else						
4.3 (3.6, 4.9)	6.0 (5.0, 7.0)	5.9 (4.8, 7.0)	4.2 (3.8, 4.6)	3.6 (3.1, 4.0)	4.4 (3.8, 5.1)	
*Asterisks identify significant differences from either baseline (2013) or the previous year (2018) when compared to the current data for 2023.						

9 Preventative Health Care



Annual preventative healthcare visits are crucial for addressing current and future health issues. Barriers like cost, stigma, distrust, lack of parental consent or limited adolescent-friendly services can limit access, making it vital to track how adolescents access preventive healthcare to highlight potential risks.

Progress Towards Healthy People 2030 Objectives

Neither Akron nor Summit County met the goal of increasing the proportion of adolescents who had a preventative health visit in the past year.

Healthy People 2030 Objectives	Akron City	Summit County	Status
AH-01: Increase the proportion of adolescents who had a preventative health care visit in the past year to 82.6% or higher	59.9%	71.1%	Objective not achieved for Summit County

More Students Receiving Routine Care

Summit County students were much more likely than Akron students to have a routine medical and dental check-up, with the gap widening since 2013. Routine check-up increased in Summit County but remained constant in Akron (**Figure 9.1.A**). Regarding dental care, the prevalence declined in Akron, especially between 2018 and 2023, but remained stable in Summit County (**Figure 9.1.B**). Since 2013, the number of students seeking mental health care increased in both Akron and Summit County, with no significant difference between the regions (**Figure 9.1.C**).



Key Findings



1 in 4
students
went to the
ER or urgent care
for asthma.

Compared to white students,
 **all other racial groups**
were less likely to have routine check-ups.

 **Decreased**
Seeing a dentist
Akron

 **Increased**
Routine check-ups
County
**Seeing a mental
health professional**
Akron & County



Figure 9.1.A. Students who Saw a Doctor or Nurse in Past 12 Months for a Routine Check-Up, Summit County High School Trends

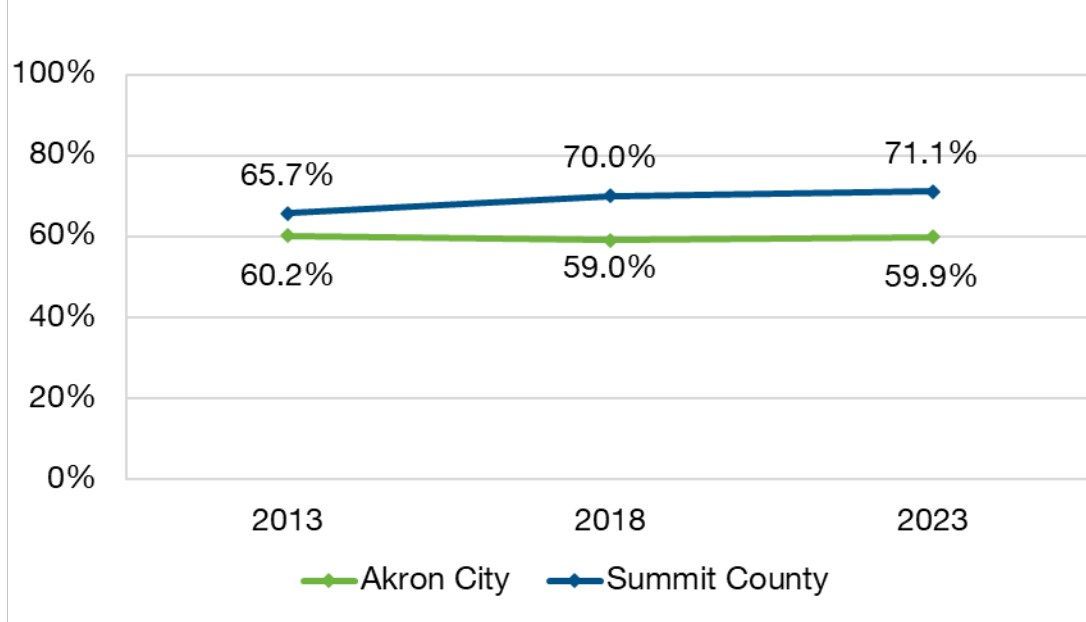


Figure 9.1.B. Students who Saw Dentist in Past 12 Months for a Routine Check-Up, Summit County High School Trends

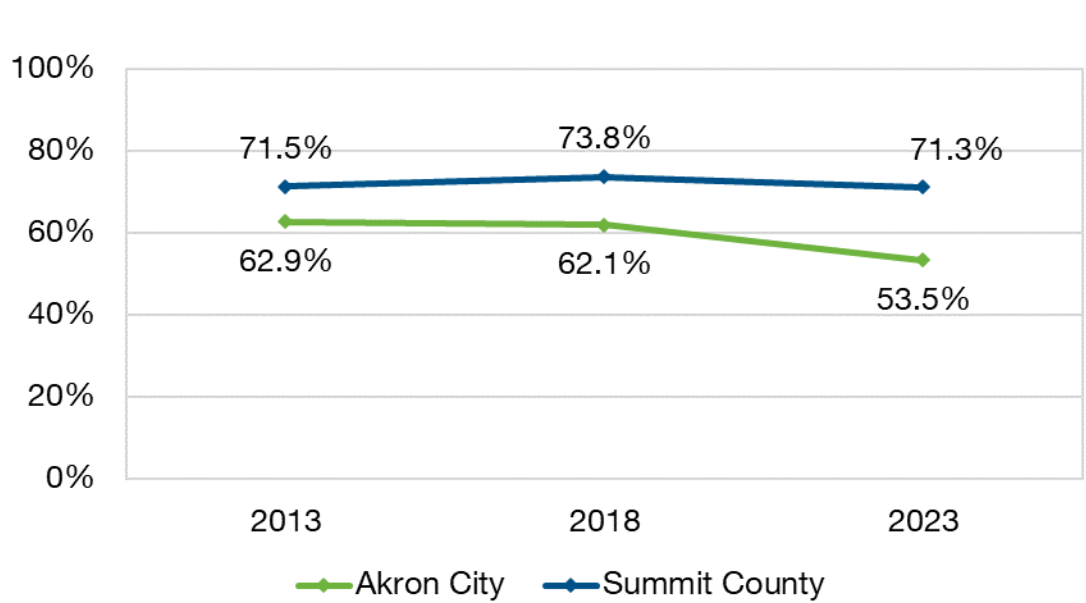
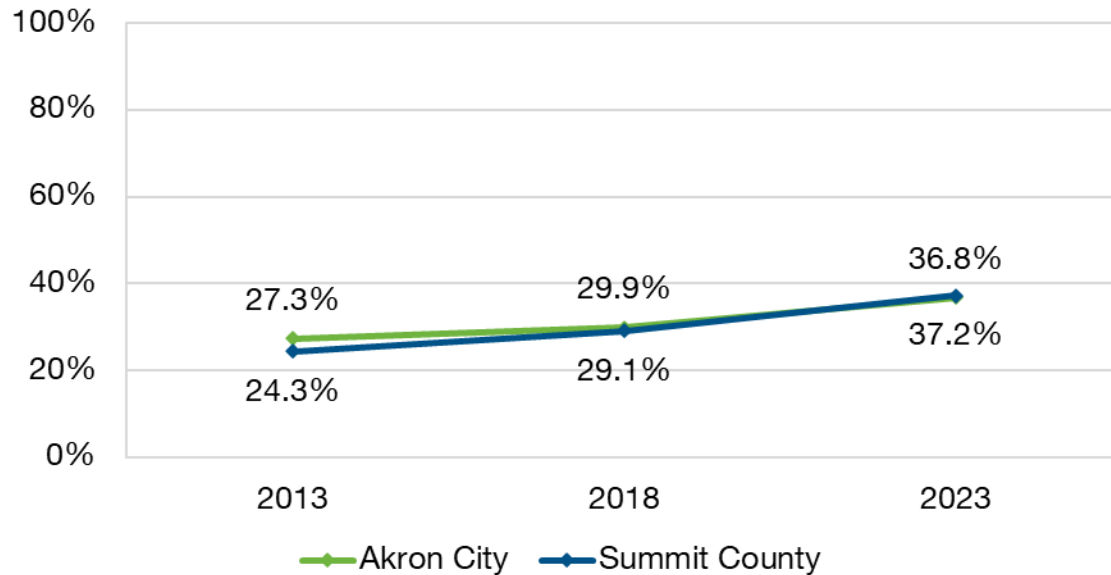




Figure 9.1.C. Students who Saw a Provider for Mental Health in Past 12 Months, Summit County High School Trends



Demographic Prevalence

Grade Level. Among Akron students, 12th grade students were more likely to have a routine medical check-up than younger students.

Race and Ethnicity. In both Akron and Summit County, White students were more likely to report visits to the doctor, dentist, or mental health care provider compared to students of other racial and ethnic identities. In both regions, Black students and multiracial students reported asthma at a higher rate and were more likely to visit the emergency room than all other groups.

Sex. In Summit County, female students (41.4%) were more likely to see a mental health provider than male students (33.1%).

Gender Identity. In Summit County, cisgender students were more likely to have seen a doctor or dentist for a routine check-up compared to transgender or non-binary students. However, transgender and non-binary students were significantly more likely to have seen a mental health professional (57.6%) compared to cisgender students (36.2%).

Sexual Orientation. In Summit County, heterosexual students were more likely to have had a routine check-up or visit a dentist compared to LGBTQ+ students. However, LGBTQ+ students were more likely to have seen a mental health professional compared to heterosexual students.

Demographic data for each metric are available in Appendix B.



Table 9.1. Trends in Preventative Health Care, Summit County (2013-2023)					
Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
Saw a doctor or nurse for routine check-up (During the 12 months before the survey.)					
60.2 (57.9, 62.5)	59.0 (56.5, 61.5)	59.9 (57.5, 62.2)	65.7* (64.6, 66.8)	70.0 (68.8, 71.2)	71.1 (69.6, 72.6)
Saw a dentist for routine check-up (Not including emergencies, during the 12 months before the survey.)					
62.9 (60.7, 65.1)	62.1 (60.1, 64.1)	53.5 (50.6, 56.4)	71.5 (70.6, 72.4)	73.8 (72.6, 74.9)	71.3 (69.7, 72.9)
Saw a doctor, nurse, therapist, social worker, or counselor for a mental health issue (During the 12 months before the survey.)					
27.3* (25.4, 29.2)	29.9* (28.2, 31.7)	36.8 (33.8, 39.9)	24.3* (23.3, 25.3)	29.1* (28.0, 30.2)	37.2 (35.5, 38.9)
Have asthma					
10.4 (9.0, 11.8)	9.1 (7.6, 10.6)	9.7 (7.9, 11.4)	6.6 (6.0, 7.2)	6.2 (5.6, 6.8)	6.0 (5.2, 6.9)
Been to the emergency room or urgent care center because of asthma (One or more times in the past 12 months before the survey; among students with asthma.)					
32.2 (28.6, 35.7)	27.2 (22.9, 31.4)	29.0 (24.0, 33.9)	22.3 (20.5, 24.0)	21.0 (19.1, 22.9)	24.4 (21.4, 27.4)
*Asterisks identify significant differences from either baseline (2013) or the previous year (2018) when compared to the current data for 2023.					

10 Youth Development



Youth development is shaped by various factors that act as either risks or protections for health and health behavior. Risk factors like poverty, family instability, or community violence increase the chances of negative health outcomes or risky behaviors.¹⁸ In contrast, protective factors such as strong family bonds, positive peer relationships, and supportive adults build resilience.¹⁹ The balance between these factors, along with access to resources and opportunities, shapes whether youth follow positive or negative developmental paths, impacting their long-term physical and mental health.

10.1. Domestic & School Environment

Domestic and school environments play critical roles in shaping youth health and health behaviors. A supportive home environment, where children feel safe and nurtured, fosters emotional stability and healthy habits. A positive school environment encourages academic success and social development.²⁰ Together, these environments can either promote protective factors or exacerbate risks, influencing long-term physical, mental, and social well-being.

Housing Instability Increased

Since 2013, more students have moved one or more times since kindergarten (**Figure 10.1.A**). Most students in Akron (80.7%) reported at least one move, higher than in Summit County (70.4%). In 2023, 5.8% of Akron students and 4.2% of Summit County students reported experiencing housing insecurity or homelessness.

Fewer Akron Students Report Getting A's and B's

The proportion of students who reported getting A's and B's remained unchanged in Summit County, but decreased in Akron (**Figure 10.1.B**).

¹⁸ "Effects of Poverty, Hunger and Homelessness on Children and Youth." American Psychological Association. Accessed October 31, 2024. <https://www.apa.org/topics/socioeconomic-status/poverty-hunger-homelessness-children>.

¹⁹ Woolley, Michael E., and Gary L. Bowen. "In the Context of Risk: Supportive Adults and the School Engagement of Middle School Students*." *Family Relations* 56, no. 1 (December 13, 2006): 92–104. <https://doi.org/10.1111/j.1741-3729.2007.00442.x>.

²⁰ Schacter, Hannah L., and Gayla Margolin. "The Interplay of Friends and Parents in Adolescents' Daily Lives: Towards a Dynamic View of Social Support." *Social Development* 28, no. 3 (February 8, 2019): 708–24. <https://doi.org/10.1111/sode.12363>.



Key Findings



Over half
of county students reported
emotional abuse.

1 in 4
reported physical abuse.

Emotional abuse was the
most common adverse childhood experience,
a sense of belonging was
the most common positive childhood experience.

4 in 5
transgender
students faced
discrimination for their
gender identity.

↑ White, male,
cisgender, and
heterosexual
students were more likely to have
positive youth
experiences.



Figure 10.1.A. Students who Have Moved One or More Times Since Kindergarten, Summit County High School Trends

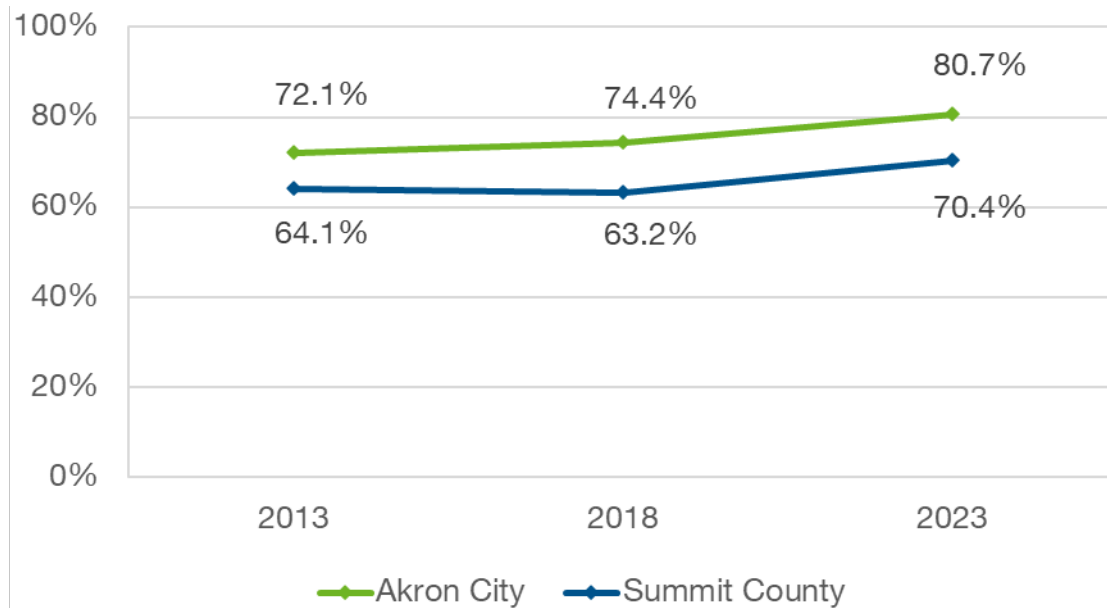
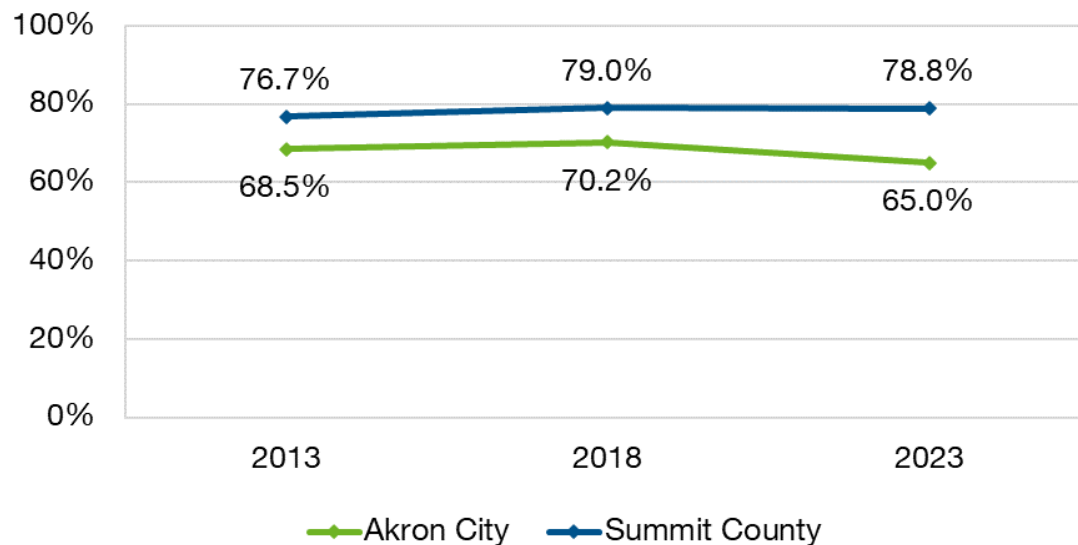


Figure 10.1.B. Students who Report Getting A's and B's in School, Summit County High School Trends



In reviewing this report, keep in mind that Akron data are included in the Summit County sample, which affects direct comparisons. Percentages may not total 100% due to rounding, and some visuals use varying scales to highlight trends or behaviors.



Table 10.1. Trends in Youth Development, Summit County (2013-2023)					
Akron City % (95% CI)			Summit County % (95% CI)		
2013	2018	2023	2013	2018	2023
Experienced housing instability (During the 30 days before the survey.)					
N/A	N/A	5.8 (4.4, 7.1)	N/A	N/A	4.2 (3.4, 5.1)
Moved one or more times since kindergarten					
72.1* (70.1, 74.2)	74.4* (72.4, 76.4)	80.7 (79.0, 82.4)	64.1* (63.1, 65.2)	63.2* (62.0, 64.5)	70.4 (68.9, 71.8)
Parents talk with student almost every day about school					
53.0 (51.2, 54.8)	49.2 (47.0, 51.4)	45.5 (42.5, 48.5)	56.6 (55.6, 57.6)	53.1 (51.9, 54.3)	54.9 (53.1, 56.6)
Had at least one meal with family (During the 7 days before the survey.)					
79.9 (78.6, 81.3)	79.8 (78.2, 81.4)	76.3 (73.9, 78.6)	83.7 (83.0, 84.5)	83.7 (82.8, 84.6)	84.2 (82.9, 85.5)
Described their grades in school as A's and B's (During the 12 months before the survey.)					
68.5 (66.0, 70.9)	70.2 (68.0, 72.5)	65.0 (61.9, 68.1)	76.7 (75.6, 77.8)	79.0 (77.7, 80.3)	78.8 (77.2, 80.3)
One or more teachers or adults at school (Who they can talk to if they have a problem.)					
N/A	60.4 (58.4, 62.4)	59.1 (56.3, 61.8)	N/A	64.8 (63.5, 66.1)	66.5 (64.9, 68.0)
Spent at least one day in clubs or organizations outside of school (During the 7 days before the survey.)					
52.4 (50.1, 54.7)	45.8 (43.4, 48.1)	47.1 (44.1, 50.2)	57.2 (56.0, 58.4)	52.7* (51.2, 54.1)	56.5 (54.7, 58.3)
*Asterisks identify significant differences from either baseline (2013) or the previous year (2018) when compared to the current data for 2023.					



10.2. Adverse Childhood Experiences

The 2023 Summit County YRBS explored family interactions and social support, adding Centers for Disease Control and Prevention (CDC) modules on Adverse Childhood Experiences (ACEs) and Positive Childhood Experiences (PCEs) using CDC modules. ACEs, such as abuse or neglect, increase the risk of negative health and behavior outcomes.^{21, 22} PCEs, like supportive relationships and safe environments, help youth develop resilience and overcome adversity.²³ Understanding the balance between ACEs and PCEs is critical for creating interventions that promote healthy youth development. Healthy People 2030 emphasizes preventing ACEs and encouraging PCEs through early interventions and supportive environments.

The questionnaire includes two ACEs scales. One covers emotional, physical, and sexual abuse, neglect, exposure to intimate partner violence, and living with family members who have substance abuse or mental health issues or have been incarcerated. The expanded version also includes items such as racial and ethnic discrimination, sexual and gender discrimination, and exposure to community violence.

Prevalence of Adverse Childhood Experiences (ACEs)

In 2023, emotional abuse was the most reported ACE in Akron (52.7%) and Summit County (54.1%) (**Figure 10.2.A**). Akron students were significantly more likely than Summit County students to experience physical abuse, sexual abuse, neglect, witnessing intimate partner violence, living with someone struggling with substance abuse or mental illness, having an incarcerated family member, facing racial or ethnic discrimination, and witnessing community violence.

²¹ "About Adverse Childhood Experiences." Centers for Disease Control and Prevention. Accessed October 31, 2024. <https://www.cdc.gov/aces/about/index.html>.

²² "Adverse Childhood Experiences (ACEs)." Centers for Disease Control and Prevention, August 17, 2021. <https://www.cdc.gov/policy/polaris/healthtopics/ace/index.html>.

²³ "Prevalence of Positive Childhood Experiences Among Adults - Behavioral Risk Factor Surveillance System, Four States, 2015–2021." Centers for Disease Control and Prevention, May 2, 2024. <https://www.cdc.gov/mmwr/volumes/73/wr/mm7317a3.htm>.



Figure 10.2.A. Adverse Childhood Experiences (Core ACEs), Summit County High School (2023)



Note: graphs have been scaled down for visual clarity

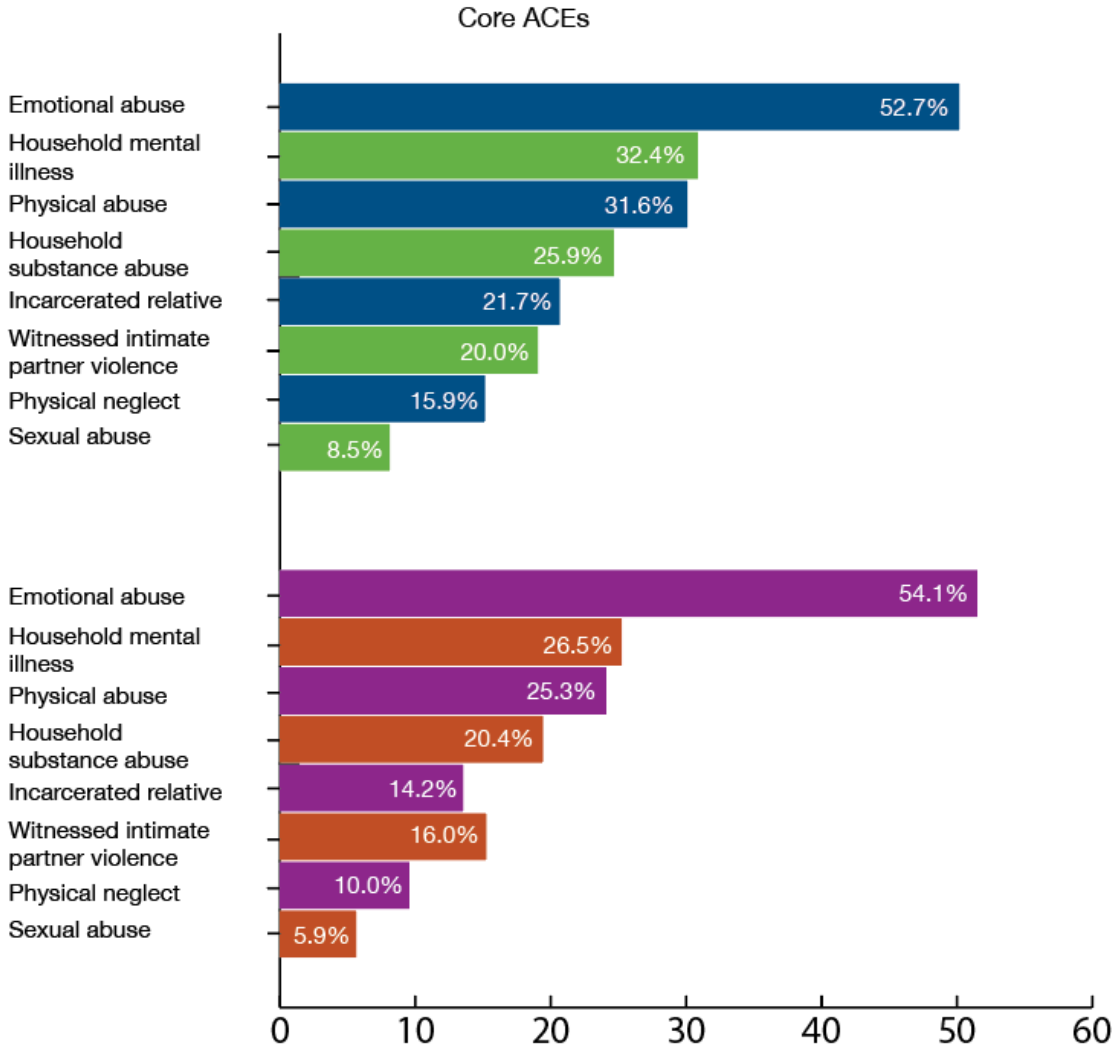
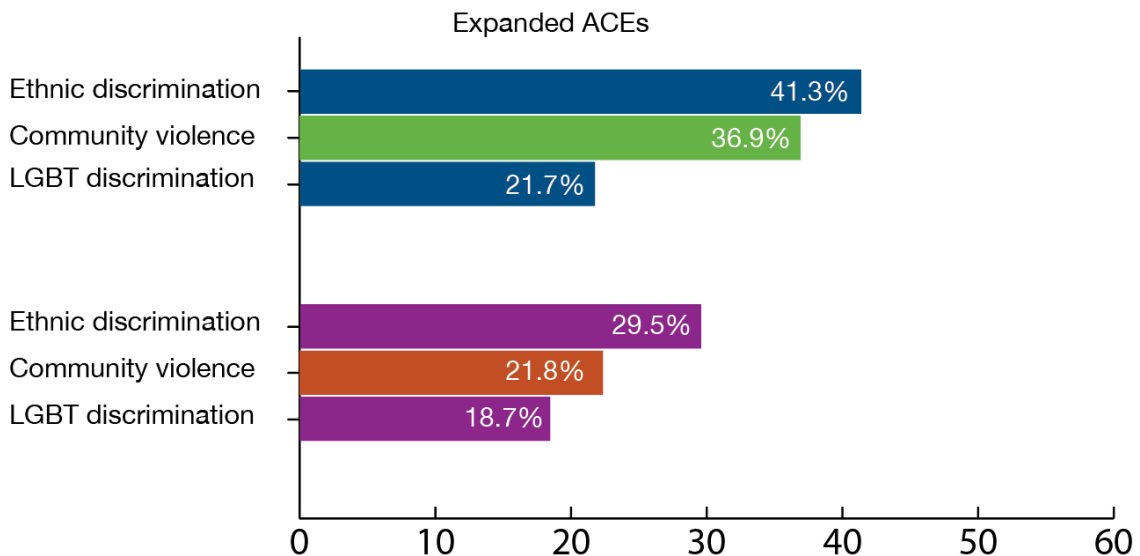




Figure 10.2.B. Adverse Childhood Experiences (Expanded ACEs), Summit County High School (2023)



Note: graphs have been scaled down for visual clarity



Demographic Prevalence

Grade Level. In Akron and Summit County, older students were significantly more likely to report living with someone with a mental illness. In Summit County, 12th grade students had the highest rate of experience four or more ACEs.

Race and Ethnicity. Multiracial students were more like than Asian students to experience four or more ACEs in Akron and Summit County (**Figure 10.2.C**). More than 45% of non-White students in both Akron and Summit County reported racial or ethnic discrimination.

Sex. In Akron and Summit County, females were significantly more likely than males to report experiencing four or more ACEs, with the largest disparities in emotional abuse, sexual abuse, and living with someone with a mental illness (**Figure 10.2.D**).

Gender Identity. Many transgender students in Akron (74.9%) and Summit County (63.1%) reported experiencing four or more ACEs, more than double the rate observed among cisgender students (Figure 10.2.D). Additionally, more than 80% of transgender students in both Akron and Summit County reported facing discrimination based on how others perceived their gender identity.



Sexual Orientation. Students who identified as gay, lesbian, bisexual, or questioning or unsure were two to three times more likely than heterosexual students in Akron and Summit County to experience four or more ACEs (**Figure 10.2.E.**). Among those identifying as gay or lesbian, an overwhelming majority reported having experienced discrimination based on how people perceived their sexual identity.

Demographic data are available for each metric in Appendix B.

Table 10.2. Adverse Childhood Experiences (ACEs)		Akron City	Summit County
		% (95% CI)	% (95% CI)
Core ACEs	Combined lifetime prevalence of emotional abuse	52.7 (50.0, 55.3)	54.1 (52.5, 55.6)
	Combined lifetime prevalence of physical abuse	31.6 (28.9, 34.4)	25.3 (23.8, 26.7)
	Lifetime prevalence of sexual abuse	8.5 (6.9, 10.0)	5.9 (5.1, 6.6)
	Lifetime prevalence of physical neglect	15.9 (12.7, 19.0)	10.0 (8.8, 11.3)
	Lifetime prevalence of witness intimate partner violence	20.0 (17.8, 22.3)	16.0 (14.8, 17.1)
	Lifetime prevalence of household substance abuse	25.9 (22.7, 29.1)	20.4 (18.9, 21.8)
	Lifetime prevalence of household mental illness	32.4 (29.9, 34.9)	26.5 (25.0, 27.9)
	Lifetime prevalence of incarcerated relative	21.7 (18.6, 24.8)	14.2 (13.0, 15.5)
	No ACEs	24.5 (22.1, 26.9)	29.6 (28.1, 31.1)
	1 ACE	20.8 (19.1, 22.4)	25.9 (24.5, 27.2)
	2-3 ACEs	32.7 (29.9, 35.4)	29.1 (27.6, 30.5)
	4 ACEs	22.0 (18.7, 25.4)	15.4 (14.1, 16.7)
	Expanded ACEs	Lifetime prevalence of racial/ethnic discrimination	41.3 (38.9, 43.8)
Lifetime prevalence of sexual minority discrimination		21.7 (19.3, 24.1)	18.7 (17.4, 20.1)
Lifetime exposure to community violence		36.9 (34.9, 38.9)	21.8 (20.5, 23.1)
No ACEs		13.3 (11.7, 14.8)	22.2 (20.8, 23.6)
1 ACE		18.6 (16.3, 20.9)	22.1 (20.9, 23.4)
2-3 ACEs		29.4 (27.3, 31.6)	29.4 (28.0, 30.7)
4+ ACEs		38.7 (35.4, 42.0)	26.3 (24.9, 27.7)



Figure 10.2.C. Adverse Childhood Experiences by Race and Ethnicity, Summit County High School, 2023

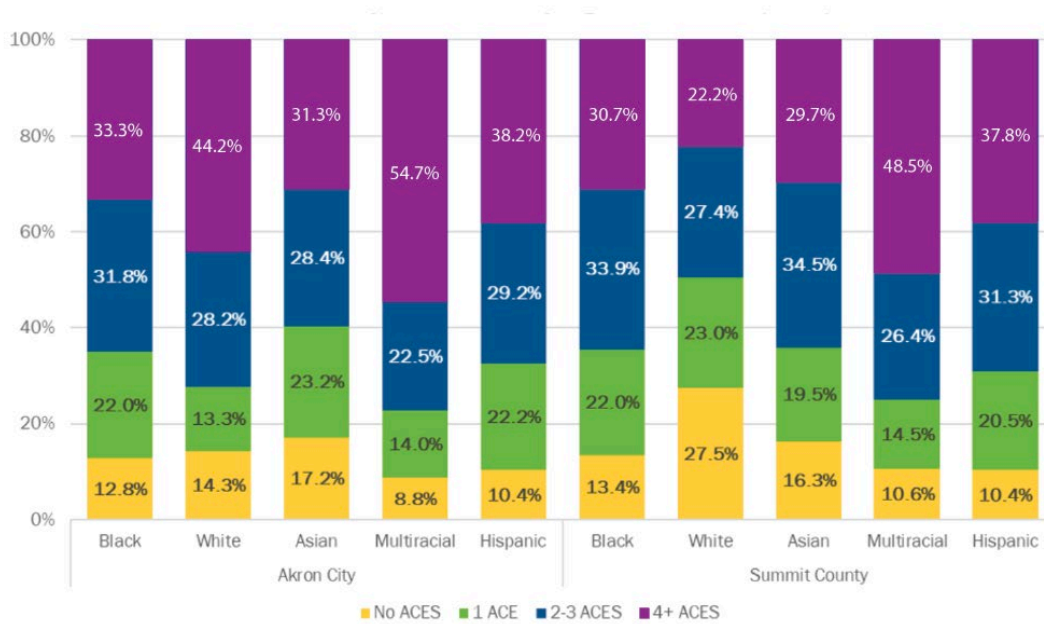


Figure 10.2.D. Adverse Childhood Experiences (Tier 2 Expanded) by Sex, Summit County High School (2023)

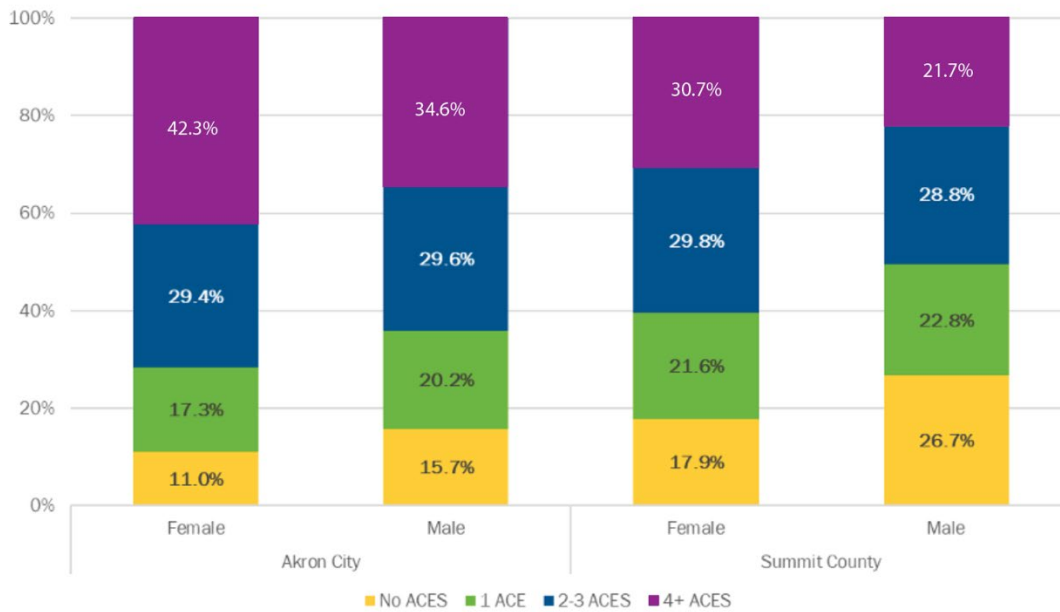




Figure 10.2.E. Adverse Childhood Experiences (Tier 2 Expanded Scale) by Gender Identity, Summit County High School (2023)

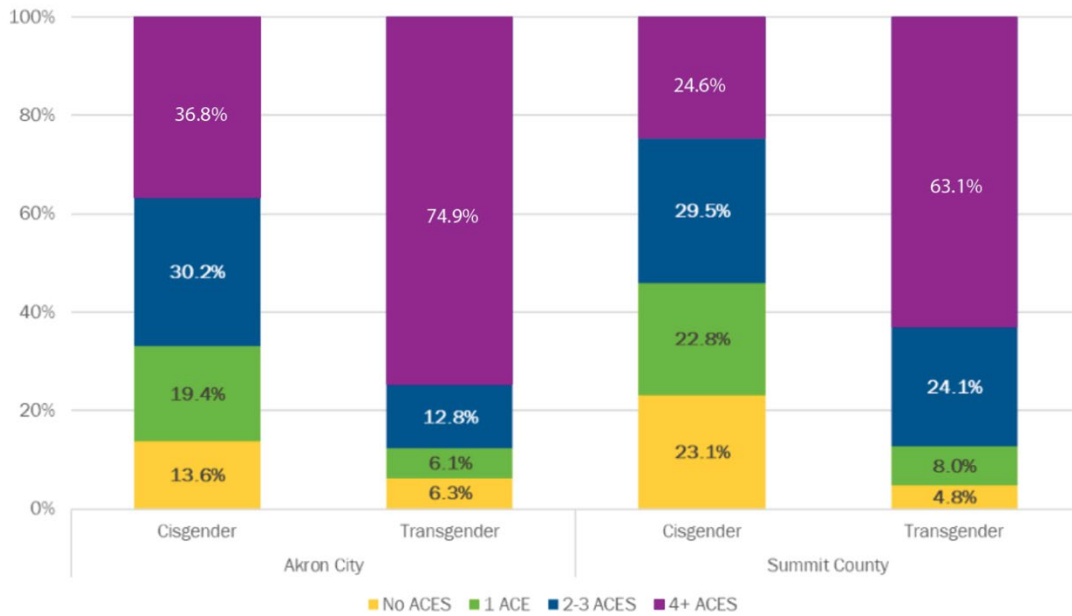
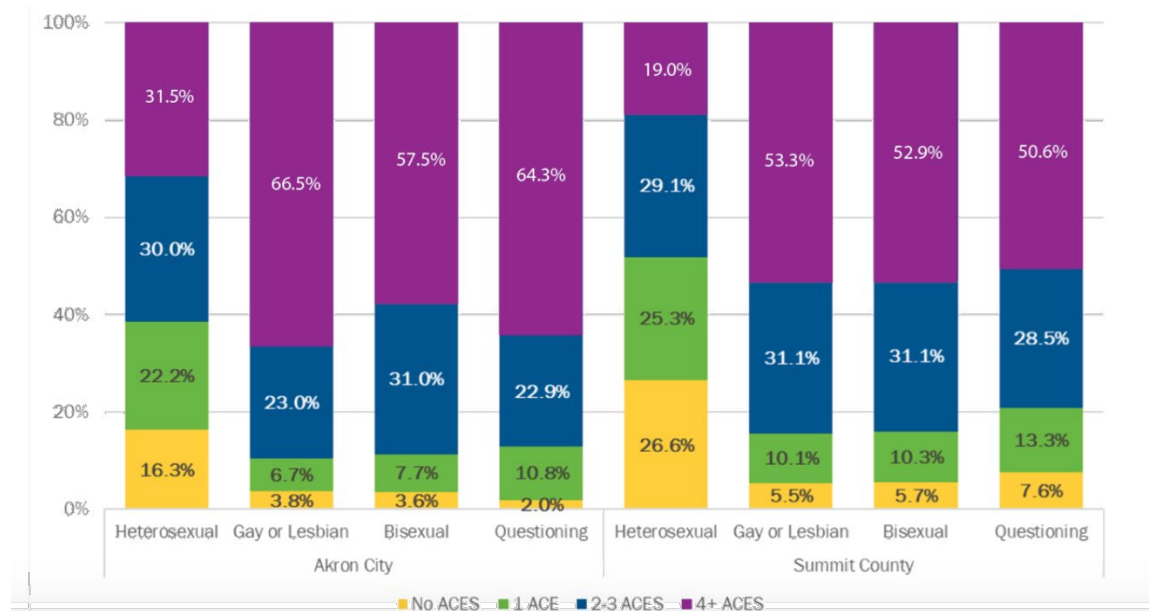


Figure 10.2.F. Adverse Childhood Experiences (Tier 2 Expanded) by Sexual Orientation, Summit County Youth (2023)





10.3. Positive Childhood Experiences (PCEs)

Positive Childhood Experiences (PCEs) are critical for building resilience and promoting long-term mental and emotional well-being.²⁴ Key PCEs, such as having supportive relationships and a sense of belonging, help protect against ACEs' negative effects.²⁴ The YRBS items related to PCEs: having a supportive adult, a supportive peer, and a sense of belonging at school. Akron's most common PCE was a sense of belonging (38.7%), while Summit County's most common PCE was supportive peer (29.4%) (**Figure 10.3.A**).

Figure 10.3.A. Positive Childhood Experiences, Summit County Youth (2023)

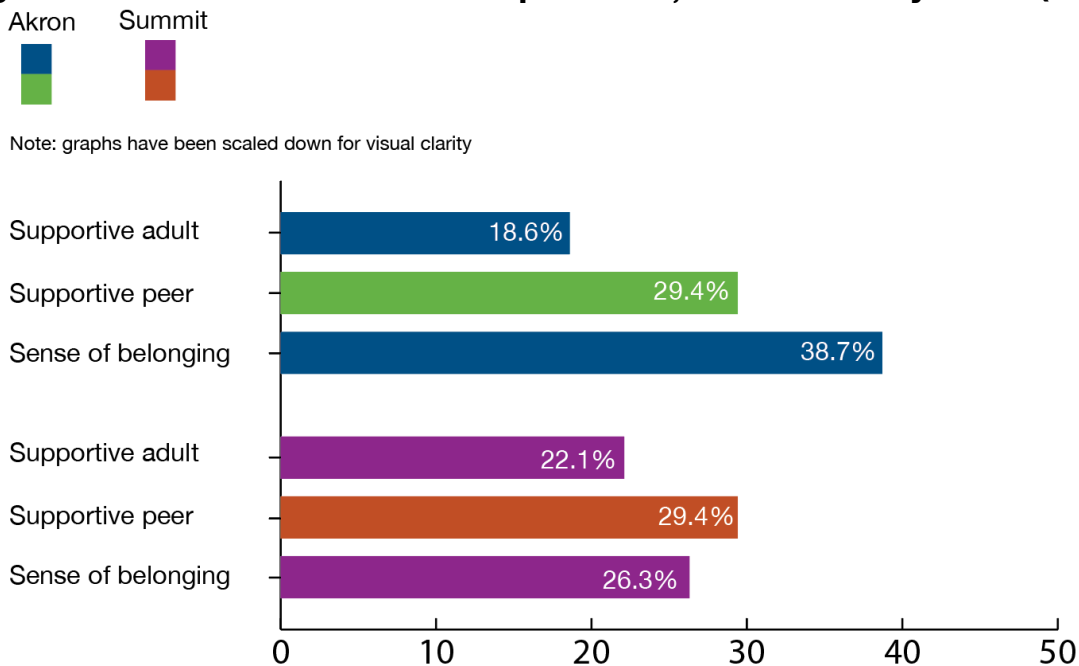


Table 10.3 Positive Childhood Experiences (PCEs)		Akron City % (95% CI)	Summit County % (95% CI)
# of PCEs	0 PCEs	25.9 (23.2, 28.7)	17.1 (15.7, 18.5)
	1 PCE	30.5 (27.9, 33.1)	25.5 (23.9, 27.0)
	2 PCEs	26.2 (24.5, 27.9)	27.4 (26.0, 28.8)
	3 PCEs	17.4 (15.6, 19.2)	30.0 (28.5, 31.6)

²⁴“Prevalence of Positive Childhood Experiences Among Adults - Behavioral Risk Factor Surveillance System, Four States, 2015–2021.” Centers for Disease Control and Prevention, May 2, 2024. <https://www.cdc.gov/mmwr/volumes/73/wr/mm7317a3.htm>.



10.4. Adverse and Positive Childhood Experiences and Risk Behaviors

The Summit County YRBS analyzed the combined impact of ACEs and PCEs on health behaviors and outcomes (**Table 10.4**). Students were grouped into four categories based on their experiences:

1. Those who only experienced PCEs
2. Those who experienced neither ACEs nor PCEs
3. Those who experienced ACEs and PCEs
4. Those who only experienced ACEs

Students who only experienced ACEs had the highest rates of depressive symptoms, suicide-related behaviors, prescription medication misuse, obesity, and inadequate sleep. Those who experienced ACEs, regardless of PCEs, were more likely to engage in risky behaviors, such as substance use (tobacco, marijuana, alcohol, illicit drugs), gambling, carrying weapons, being involved in physical fights, or having four or more sexual partners in the past 3 months.

Table 10.4 shows the impact ACEs and PCEs have on youth. To help understand this data, consider youth who identified as having depressive symptoms. Only 3.4% of students with only positive experiences in childhood (ACE-, PCE+) reported depressive symptoms, compared to 70.8% (ACE+, PCE-) of those students with only adverse experiences. This highlights ACEs' negative effects on mental health and behavior, while positive experiences appear to offset these outcomes.



Table 10.4. Risk Behaviors Associated with Adverse Childhood and Positive Childhood Experiences, Summit County (2023)

	ACEs (-) ^a		ACEs (+) ^a	
	PCEs (+) ^b %	PCEs(-) ^b %	PCEs (+) ^b %	PCEs(-) ^b %
Depressive symptoms	3.4	27.6	51.3	70.8
Suicide ideation	0.5	6.7	24.4	41.9
Suicide plan	0.4	5.7	16.2	36.3
Suicide attempt	-	3.1	10.2	19.3
Current tobacco use	1.1	-	19.2	23.2
Current marijuana use	0.9	1.7	29.6	32.0
Current alcohol use	5.6	-	30.5	27.4
Ever misused prescription medication	0.7	-	7.9	21.8
Ever used illicit drugs	1.3	1.3	18.6	25.5
Current gambling	12.1	7.3	22.9	20.8
Carried a weapon	2.1	4.0	13.6	22.0
Could get a loaded gun without permission	13.2	9.4	35.7	41.6
In a physical fight	3.7	31.2	34.1	32.4
Had obesity	10.9	22.8	24.0	28.4
Obtained 8 or more hours of sleep	38.7	23.7	20.8	9.7
Had 4 or more sexual partners	7.5	10.9	37.0	33.5
Used a condom during last sexual intercourse	77.2	31.4	46.3	40.9
Did not use effective birth control method	7.8	65.7	33.6	42.4

^a ACEs (-) refers to having had no Adverse Childhood Experiences while ACEs(+) refers to having four or more ACEs based on the CDC's Tier 2-DVP expanded ACEs scale
^b PCEs(-) refers to having had no Positive Childhood Experiences while PCEs(+) refers to having all 3 PCEs based on the CDC DVP PCEs Scale.

A. Methodology

A.1. Sampling Methodology

Survey Design

The primary goal of the Summit County Youth Risk Behavior Survey (YRBS) was to collect data on adolescent risk behaviors across four pre-identified clusters within the county. Unlike the CDC's traditional two-stage sampling, this survey sampled all public high schools in Summit County, including students from 9th to 12th grade. All students in selected classrooms were eligible to participate, making the survey available to the entire student body.

Participation was anonymous and voluntary. Parents or guardians who approved took no action, while those who did not wish for their student to participate could opt out. Of the 24 high schools selected, 16 participated. A total of 7,745 usable questionnaires were obtained from 11,243 eligible students, resulting in a school response rate of 66.7% and a student response rate of 68.9%. The overall response rate was 45.9%. Data were weighted to make it representative of the population of 9th to 12th-grade students in Summit County.

Due to insufficient school response rates within the four designated regions, data were analyzed for the City of Akron and Summit County overall. No statistical imputations were made for missing data.

Data Analysis

Weighted data were analyzed using SAS software (v9.4), with prevalence estimates and 95% confidence intervals calculated for all dichotomous variables. Significant differences were determined based on the non-overlapping of confidence intervals. Graphs and narrative descriptions were provided to illustrate the range of responses.

A.2. Measure Descriptions

Demographic Characteristics

Race and Ethnicity

Analysis for race and ethnicity was derived from two questions. The first question asked, “Are you Hispanic or Latino?” (Response options: “yes” or “no”). The second question asked, “What is your race?” (Response options: “American Indian or Alaska Native,” “Asian,” “Black or African American,” “Native Hawaiian or Other Pacific Islander,” or “White”). Students could select more than one response for the second question. For this analysis, students were classified as:

- Hispanic/Latino: Answered "yes" to the first question, regardless of their response to the second question.
- White: Answered "no" to the first question and selected only "White" for the second question.
- Black: Answered "no" to the first question and selected only "Black or African American" for the second question.
- Asian: Answered "no" to the first question and selected only "Asian" for the second question.
- Other: Answered "no" to the first question and selected "American Indian or Alaska Native," "Native Hawaiian or Other Pacific Islander," or selected more than one response for the second question.

Race/ethnicity was classified as missing for students who did not answer the first question or answered "no" to the first question but left the second question blank.

Sex

This was derived from the question, “What is your sex?” with response options: female or male.

Gender Identity

Derived from the question, “What is your gender identity?” which included response options such as male, female, transgender, non-binary, and other. For demographic comparisons in this report, responses were grouped into cisgender and transgender/non-binary. If students identified as male or female in terms of gender identity but reported the opposite sex in the “What is your sex?” question, they were classified as transgender for the analysis.

Appendix A: Methodology

Sexual Orientation

Derived from the question, "Which of the following best describes you?" with response options like heterosexual/straight, gay, lesbian, bisexual, questioning or unsure, or other. For this report, students identifying as gay, or lesbian were combined into one group. Students who chose "Other" were not included in subgroup analysis.

Mental Health & Suicide Behaviors

Felt Sad or Hopeless

Derived from the question, "During the past 12 months, did you ever feel so sad and hopeless almost every day for two weeks or more in a row that you stopped doing some usual activities?"

Hurt Themselves Without Wanting to Die

Derived from the question, "During the past 12 months, how many times did you do something to purposely hurt yourself without wanting to die, such as cutting or burning yourself on purpose?" Students were categorized into two groups: those who reported **0 times** and those who reported **1 or more times**.

Seriously Considered Suicide (Suicide Ideation)

Derived from the question, "During the past 12 months, did you ever seriously consider attempting suicide?"

Made a Plan About How They Would Attempt Suicide (Suicide Plan)

Derived from the question, "During the past 12 months, did you make a plan about how you would attempt suicide?"

Attempted Suicide

Derived from the question, "During the past 12 months, how many times did you actually attempt suicide?" Students were classified into those who reported 0 times and those who reported 1 or more times.

Received Help When Sad, Empty, Hopeless, Angry, or Anxious

Derived from the question, "When you feel sad, empty, hopeless, angry, or anxious, how often do you get the kind of help you need?" Students who answered "do not feel sad, empty, hopeless, angry, or anxious" were excluded from the reporting. The remaining students were grouped into two categories: those who **did not receive help** ("Never" or "Rarely") and those who **did receive help** ("Sometimes," "Most of the time," or "Always").

Tobacco & Substance Use

Have Ever Used Any Tobacco Product

Derived from the question, "How old were you when you used your first tobacco product? (Include such things as cigarettes, electronic vapor products, smokeless tobacco, cigars, shisha or hookah tobacco, and pipe tobacco)." Response options included "I have never used a tobacco product," which allowed the results to be dichotomized into those who **have used** tobacco and those who **have not used** tobacco. Prior to 2023, this question specified the following tobacco or nicotine products: "cigarettes, cigars, little cigars, flavored cigars, shisha or hookah tobacco, and chewing tobacco." Those who reported using tobacco products before age 13 were reported separately under the metric of **having used the first tobacco product before age 13**.

Current Cigarette Use

Derived from the question, "During the past 30 days, on how many days did you smoke cigarettes?" Students who reported use on **one or more days** were included as **current users** of these products.

Current Cigar Use

Derived from the question, "During the past 30 days, on how many days did you smoke cigars, cigarillos, little cigars, or flavored cigars such as Swisher Sweets (including Black & Mild) or Backwoods?" Students who reported use on **one or more days** were included as **current users** of these products. Prior to 2023, examples included **Black & Milds, Swisher Sweets, or Phillies**.

Current Electronic Vapor Product Use

Derived from the question, "During the past 30 days, on how many days did you use an electronic vapor product?" Students who reported use on **one or more days** were included as **current users** of these products.

Current Use of Smokeless Tobacco

Derived from the question, "During the past 30 days, on how many days did you use chewing tobacco, snuff, or dip, nus, or dissolvable tobacco products such as Copenhagen, Grizzly, Skoal, Camel Snus, or Velo Nicotine Lozenges?" Students were prompted not to include electronic vapor products. Students who reported use on **one or more days** were included as **current users** of these products. Prior to 2023, examples included **Redman, Levi Garrett, Beechnut, Skoal, Skoal Bandits, or Copenhagen**.

Appendix A: Methodology

Current Use of Any Tobacco Products

Derived from students who reported use of **one or more days** of any cigarettes, cigar products, electronic vapor products, and/or smokeless tobacco products.

Current Use of Multiple Tobacco or Nicotine Products

Derived from students who reported use of **two or more** products (cigarettes, cigars, electronic vapor products, smokeless tobacco products) on **at least one day**.

Usually Got Tobacco From Someone Who Gave It to Them

Derived from the question, "During the past 30 days, how did you usually get your own tobacco? (Count things such as cigarettes, cigars, cigarillos, little cigars, flavored cigars, chewing tobacco, snuff, or dip, or electronic vapor products)." Response options included: "I bought it at a store (liquor store, convenience store, supermarket, discount store, or gas station)," "I bought it at a restaurant, bar, or club," "I bought it at a public event such as a concert or sporting event," "I gave someone else money to buy it for me," "Someone gave it to me," "I took it from a store or family member," or "I got it some other way." This item was calculated only among those **who currently used** any tobacco products. Those who reported that someone gave it to them were compared to all other responses combined. Prior to 2023, this item **did not** include electronic vapor products.

Parents Feel It Is Very Wrong for Them to Use Tobacco

Derived from the question, "How wrong do your parents/guardians feel it would be for you to use tobacco (for example, cigarettes, cigars, chewing tobacco, hookah, or electronic vapor products)?" Response options included a range of four potential responses from **very wrong** to **not at all wrong**. Students who reported Very Wrong were compared to all other responses combined.

Ever Tried Marijuana

Derived from the question, "During your life, how many times have you used marijuana?" Response options included "I have never tried marijuana," which allowed the results to be dichotomized into those **who have** used marijuana and those **who have not**.

Current Marijuana Use

Derived from the question, "During the past 30 days, how many times did you use marijuana?" Students who reported use on **one or more days** were included as current users of marijuana.

Current Marijuana and Tobacco Use

Derived from questions about any of the tobacco products (cigarettes, cigars, electronic vapor products, smokeless tobacco) **in the past 30 days** and use of marijuana on one or more days.

Tried Marijuana Before Age 13

Derived from the question, "How old were you when you tried marijuana for the first time?" Those who reported having tried marijuana at any age younger than 13 years are included.

Usually Used Marijuana by Smoking It

Derived from the question, "During the past 30 days, how did you usually use marijuana?" and included potential response options: "I smoked it in a joint, bong, pipe, or blunt," "I ate it in food such as brownies, cakes, cookies, or candy," "I drank it in tea, cola, alcohol, or other drinks," "I vaporized it," or "I used it some other way." Students who reported **smoking** it were compared to all other responses combined.

Parents Feel It Is Very Wrong for Them to Use Marijuana

Derived from the question, "How wrong do your parents/guardians feel it would be for you to use marijuana?" Response options included a range of four potential responses from **very wrong** to **not at all wrong**. Students who reported Very Wrong were compared to all other responses combined.

Ever Drank Alcohol

Derived from the question, "How old were you when you had your first drink of alcohol other than a few sips?" Response options included, "I have never had a drink of alcohol," which allowed the results to be dichotomized into those **who have drunk alcohol** and those **who have not**. Those who reported drinking alcohol at **any age younger than 13** years are reported in the metric of **having had their first drink before age 13**.

Appendix A: Methodology

Current Alcohol Use

Derived from the question, "During the past 30 days, on how many days did you have at least one drink of alcohol?" Students who reported drinking on **one or more days** were included as **current users** of alcohol.

Current Binge Drinking

Derived from the question, "During the past 30 days, on how many days did you have 4 or more drinks of alcohol in a row (if you are female) or 5 or more drinks in a row (if you are male)?" Students who reported **binge drinking** on **one or more days** were included as **current binge drinkers**. In 2018, this question did not include the phrase, "that is, within a couple of hours."

Usually Got Alcohol from Someone Who Gave It to Them

Derived from the question, "During the past 30 days, how did you usually get the alcohol you drank?" Response options included: "I bought it at a store such as a liquor store, convenience store, supermarket, discount store, or gas station," "I bought it at a restaurant, bar, or club," "I bought it at a public event such as a concert or sporting event," "I gave someone else money to buy it for me," "Someone gave it to me," "I took it from a store or family member," or "I got it some other way." This item was calculated only among those who currently drank alcohol. Those who reported that someone gave it to them were compared to all other responses combined.

Attended a Party in a Home Where Parents Permitted Underage Alcohol Use

Derived from the question, "During the past 30 days, how often have you been at a party or gathering in a home where parents permitted underage alcohol use?" Students who reported attending one or more times were compared to those who reported 0 times.

Parents Think It Would Be Very Wrong for Them to Drink Alcohol

Derived from the question, "How wrong do your parents/guardians feel it would be for you to drink beer, wine, or hard liquor (for example, vodka, whiskey, or gin)?" Response options included a range of four potential responses from **very wrong** to **not at all wrong**. Students who reported **very wrong** were compared to all other responses combined.

Have Taken Any Prescription Drugs Without a Doctor's Prescription

All prescription medication misuse questions were derived from the question, "During your life, what type of prescription drugs have you taken without a doctor's prescription?" Students could select one or more options from a list including:

"I have never taken prescription drugs without a doctor's prescription,"

"Narcotic pain relievers such as Oxycontin, Percocet, Vicodin, or Lortabs,"

"Tranquilizers or anti-anxiety drugs such as Xanax or Valium,"

"Sleeping pills, sedatives, and other depressants such as Ambien, or Phenobarbital,"

"Stimulants or amphetamines such as Ritalin (also called Vitamin R or Study drug),"

"I have taken multiple prescription drugs without a doctor's prescription at the same time,"

"I have taken prescription drugs without a doctor's prescription, but I am not sure which one(s)."

Items were dichotomized comparing those who selected each option to those who did not.

Have Ever Used Heroin

Derived from the question, "During your life, how many times have you used heroin including fentanyl (also called boy dog, slow, fatty, wop, white, H, or smack)?" In 2018, examples of heroin included smack, junk, tar, dope, and dog food. In 2013, examples included China White. Students who reported using heroin **one or more times** were compared to those who reported **0 times**.

Have Ever Used Cocaine

Derived from the question, "During your life, how many times have you used any form of cocaine, including powder, crack, or freebase?" Students who reported using cocaine **one or more times** were compared to those who reported **0 times**.

Have Ever Used Ecstasy

Derived from the question, "During your life, how many times have you used ecstasy (also called MDMA, Molly)?" In 2018, examples included E, Xtc. Students who reported using ecstasy **one or more times** were compared to those who reported **0 times**.

Appendix A: Methodology

Have Ever Used Methamphetamine

Derived from the question, “During your life, how many times have you used methamphetamines (also called speed, crystal, crank, ice, or meth)?” Prior to 2023, examples did not include meth. Students who reported using methamphetamine **one or more times** were compared to those who reported **0 times**.

Have Ever Used Hallucinogenic Drugs

Derived from the question, “During your life, how many times have you used hallucinogenic drugs such as LSD, acid, PCP, ecstasy, angel dust, mescaline, or mushrooms?” Students who reported using hallucinogens **one or more times** were compared to those who reported **0 times**.

Have Ever Used Inhalants

Derived from the question, “During your life, how many times have you sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high?” Students who reported using inhalants **one or more times** were compared to those who reported **0 times**.

Have Ever Used Steroids

Derived from the question, “During your life, how many times have you taken steroid pills or shots without a doctor's prescription?” Students who reported using steroids **one or more times** were compared to those who reported **0 times**.

Have Ever Taken Synthetic or Designer Drugs

Derived from the question, “During your life, how many times have you used synthetic drugs (also called “designer drugs” such as synthetic marijuana, K2, Spice, or bath salts)?” The question has changed over time. In 2018, it asked about “synthetic drugs such as synthetic marijuana, K2, Spice, fake weed, herbal incense, or bath salts.” In 2013, the item asked if the student had “taken synthetic or designer drugs (such as bath salts, K2, or Spice) to get high.” Students who reported using synthetic or designer drugs **one or more times** were compared to those who reported **0 times**.

Have Ever Used Any Illicit Drugs

This item was derived from students who reported using heroin, cocaine, ecstasy, methamphetamine, hallucinogens, inhalants, steroids, and/or designer drugs **one or more times** during their life.

Offered, Sold, or Given Illegal Drugs on School Property

Derived from the question, “During the past 12 months, has anyone offered, sold, or given you an illegal drug on school property?”

Attended School Under the Influence of Alcohol or Drugs

Derived from the question, “During the past 12 months, how many times did you attend school under the influence of alcohol or other drugs such as marijuana or prescription drugs without a doctor’s prescription?” Students who reported attending school under the influence one or more times were compared to those who reported 0 times.

Gambling Behaviors

Gambled in the Past 12 Months

Past 12-month gambling was derived from the question, “During the past 12 months, how often did you gamble money or personal items such as while playing cards, betting on personal skills or sports teams, buying lottery tickets or scratch-offs, or using the internet?” In 2023, this question was modified to include, “doing anything else.” Students who selected less than once a month, about once a month, about once a week, or daily were considered to have gambled in the past 12 months.

Gambled in the Past 30 Days

All gambling questions were derived from the question, “During the past 30 days, on which of the following did you gamble...” The options included:

1. I did not gamble during the past 30 days,
2. Scratch-offs,
3. Lottery tickets such as Powerball or Megabucks,
4. Dice or coin flips,
5. Playing cards such as poker or blackjack,
6. A sport,
7. A horse or dog race,
8. Games of personal skill such as bowling, video games, or dare,
9. Bingo for money,
10. Money over the internet,
11. Money in other ways.

Appendix A: Methodology

Items were dichotomized by comparing those who selected each gambling option to those who did not.

Injury Prevention

Rarely or Never Wore a Seatbelt

Derived from the question, “How often do you wear a seatbelt when riding in a car driven by someone else?” Response options ranged from “Never” to “Always” on a five-point scale. Students who reported “Never” or “Rarely” were compared to those who reported “Sometimes,” “Most of the time,” or “Always.”

Rode with a Driver Who Had Been Drinking Alcohol

Derived from the question, “During the past 30 days, how many times did you ride in a car or other vehicle driven by someone who had been drinking alcohol?” Students who reported riding with a driver **one or more times** were compared to those who reported **0 times**.

Drove After Drinking Alcohol

Derived from the question, “During the past 30 days, how many times did you drive a car or other vehicle when you had been drinking alcohol?” Students who reported driving after drinking **one or more times** were compared to those who reported **0 times**. The denominator was adjusted to examine the overall prevalence as well as the prevalence among students who drove in the past 30 days.

Texted or Emailed While Driving

Derived from the question, “During the past 30 days, on how many days did you text or e-mail while driving a car or other vehicle?” Students who reported texting or emailing while driving **one or more times** were compared to those who reported **0 times**. The denominator was adjusted to examine the overall prevalence and among students who drove in the past 30 days.

Had a Concussion from Playing Sports or Physical Activity

Derived from the question, “During the past 12 months, how many times did you have a concussion from playing a sport or being physically active?” Students who reported having a concussion **one or more times** were compared to those who reported **0 times**.

Violence

Carried a Weapon

Derived from the question, “During the past 30 days, on how many days did you carry a weapon such as a gun, knife, or club?” Students who reported carrying a weapon on **one or more days** were compared to those who reported **0 days**.

Could Get a Loaded Gun Without Parent’s Permission

Derived from the question, “How long would it take you to get a loaded gun without a parent or other adult’s permission?” Response options included: “I could not get a loaded gun” and several time-based intervals. Students who reported they could not get a gun were compared to those who could, and a second indicator was used to compare those who could get a gun within 24 hours or less to those who could not.

Did Not Go to School Because They Felt Unsafe

Derived from the question, “During the past 30 days, on how many days did you not go to school because you felt you would be unsafe at school or on your way to or from school?” Students who reported one or more days were compared to those who reported 0 days.

Rarely or Never Feel Safe at School

Derived from the question, “How often do you feel safe and secure at school?” Responses were on a five-point scale ranging from “Never” to “Always.” Students who reported “Never” or “Rarely” were compared to those who reported “Sometimes,” “Most of the time,” or “Always.”

In a Physical Fight

Derived from the question, “During the past 12 months, how many times were you in a physical fight?” Students who reported being in one or more fights were compared to those who reported 0 times.

Physically Hurt by Someone They Were Dating

Derived from the question, “During the past 12 months, how many times did someone you were dating or going out with physically hurt you on purpose? (Examples include being hit, slammed into something, or injured with an object or weapon.)” Students who reported that this occurred one or more times were compared to those who reported 0 times.

Appendix A: Methodology

Ever Bullied on School Property

Derived from the question, “During the past 12 months, have you ever been bullied on school property?” Students who responded “Yes” were compared to those who responded “No.”

Ever Bullied Away from School Property

Derived from the question, “During the past 12 months, have you ever been bullied away from school property?” Students who responded “Yes” were compared to those who responded “No.”

Ever Electronically Bullied

Derived from the question, “During the past 12 months, have you ever been electronically bullied? (This includes being bullied through e-mail, chat rooms, instant messaging, websites, or texting.)” Students who responded “Yes” were compared to those who responded “No.”

Ever Bullied

Derived from any affirmative responses to the questions about having been bullied on or off school property or electronically in the past 12 months.

Teased or Name-Called for Any Reason

All questions regarding teasing or name-calling were derived from the question, “During the past 12 months, have you ever been teased or name-called for any of the following reasons?” Students could select from a list of reasons, including “Your weight,” “Your gender,” or “Your religion,” or select “I have not been teased or name-called during the past 12 months.” Each option was dichotomized, comparing those who selected each option to those who did not.

Sexual Risk Behaviors

Ever Had Sexual Intercourse

Derived from the question, “Have you ever had sexual intercourse?” Potential responses included “Yes” and “No.”

Currently Sexually Active

Derived from the question, “During the past 3 months, with how many people did you have sexual intercourse?” Response options included: I have never had sexual intercourse, I have had sexual intercourse but not during the past 3

months, 1 person, 2 people, 3 people, 4 people, 5 people, 6 or more people. Those who indicated **one or more** people were considered currently sexually active. Those who indicated having sexual intercourse with **4 or more** people were compared to those **who had fewer or no sexual partners**.

Had Sexual Intercourse Before Age 13

Derived from the question, “How old were you when you had sexual intercourse for the first time?” Those who reported having had sexual intercourse at any age younger than 13 years were included.

Drank Alcohol or Used Drugs Before Having Sexual Intercourse

Derived from the question, “Did you drink alcohol or use drugs before you had sexual intercourse the last time?” Potential responses included “Yes” and “No.”

Condom Use

Derived from the question, “During the past 3 months, how often did you or your partner use a condom when you had sexual intercourse?” Potential response options included: I have never had sexual intercourse, I have had sexual intercourse but not during the past 3 months, Never, Rarely, Sometimes, Most of the time, and Always. Responses were dichotomized to include among those who have had sexual intercourse in the past 3 months and indicated “Most of the time” or “Always” compared to “Sometimes,” “Rarely,” and “Never.”

Used or Had a Partner Who Used Hormonal Birth Control Method or IUD to Prevent Pregnancy

Derived from the question, “The last time you had sexual intercourse with an opposite-sex partner, what one method did you or your partner use to prevent pregnancy?” and included response options such as: I have never had sexual intercourse with opposite-sex partner, No method was used to prevent pregnancy, Birth control pills, Condoms, An IUD (such as Mirena or ParaGard), A shot (such as Depo-Provera), patch (such as Ortho Evra), or birth control ring (such as NuvaRing), Withdrawal or some other method, and Not sure. Among those who had sex with an opposite-sex partner, respondents who reported “Birth control pills, an IUD (such as Mirena or ParaGard),” or “A shot (such as Depo-Provera), patch (such as Ortho Evra), or birth control ring (such as NuvaRing)” were compared to those who used any other method. To calculate those who did not use or had a partner who did not use an effective birth control

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method, students who reported “No method,” “Withdrawal or some other method,” or “Not sure” were compared to those who used any other method.

Were Taught in School About AIDS or HIV Infection

Derived from the question, “Have you ever been taught in school that unprotected sex or sharing needles increases your risk for AIDS or HIV infection?” In 2013, this question was asked using the phrasing, “Have you ever been taught about AIDS or HIV infection in school?”

Talked About AIDS or HIV Infection With Parents or an Adult in the Family

Derived from the question, “Have you ever been taught about AIDS or HIV infection with your parents or other adults in your family?” Responses were dichotomized into “Yes” and “No”/ “Not Sure.”

Nutrition & Physical Activity

Fruit consumption

Items related to fruit consumption were derived from the question, “During the past 7 days, how many times did you eat fruit? (Do not count fruit juice).” Response options included: I did not eat fruit during the past 7 days, 1 to 3 times during the past 7 days, 4 to 6 times during the past 7 days, 1 time per day, 2 times per days, 3 times per day, 4 or more times per day. Those who reported eating fruit 1 to 3 times during the past 7 days or more frequent were considered to have **had any fruit** and were compared to those who had no fruit. Those who reported having had fruit 1 time per day or more were compared to those who had fruit less frequently to capture whether students **had at least one fruit every day**.

Vegetable consumption

Item was derived from two separate questions: 1) “During the past 7 days, how many times did you eat any vegetables?” and 2) “During the past 7 days, how many times did you eat green salad?” Response options for each of these included I did not eat [vegetables, green salad] during the past 7 days, 1 to 3 times during the past 7 days, 4 to 6 times during the past 7 days, 1 time per day, 2 times per days, 3 times per day, 4 or more times per day. Both items were combined to determine if students **had any vegetables (including salad) or had at least one vegetable (or salad) every day**. On notable change over time was

that prior to 2023, vegetables were captured combining separate questions of a variety of specific vegetables.

Had 5 or more fruits and vegetables

This was derived by combining the number of fruits, vegetables/salad consumed per day in the past week to determine if students reported 5 or more each day in the past 7 days.

Soda or pop consumption

Item was derived from the question, “During the past 7 days, how many times did you drink a can, bottle, or glass of soda or pop, such as Coke, Pepsi, or Sprite? (Do not include diet soda or diet pop).” Response options for each of these included I did not drink soda or pop during the past 7 days, 1 to 3 times during the past 7 days, 4 to 6 times during the past 7 days, 1 time per day, 2 times per day, 3 times per day, 4 or more times per day. This item was used to calculate if students **had any soda or pop** or **had soda or pop every day** (or at least 1 time per day during the past 7 days).

Fast-food consumption

Item was derived from the question, “During the past 7 days, on how many days did you eat at least one meal or snack from a fast-food restaurant, such as McDonalds, Taco Bell, or KFC?” Response options for this included a range of 0 days to 7 days. This item was used to calculate if students **had any fast-food** or **had fast-food every day** out of the past 7 days.

Breakfast consumption

Item derived from the question, “During the past 7 days, on how many days did you eat breakfast?” and included response options that ranged from 0 days to 7 days. This item was used to calculate if students **had any breakfast** or **had breakfast every day**.

Experienced food insecurity

Derived from the question, “During the past 30 days, how often did you go hungry because there was not enough food in your home?” Response options included a 5-item scale of “Never” to “Always.” Students who reported “Sometimes,” “Most of the time,” or “Always,” were compared to those who reported “Never” or “Rarely.”

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Met physical activity recommendations

Derived from the question, “During the past 7 days, on how many days were you physically active for a total of at least 60 minutes per day? (Add up all the time you spend in any kind of physical activity that increases your heart rate and makes you breathe hard some of the time). Response options included a range of 0 days to 7 days. Those who indicated 5 or more days were compared to those who had fewer days of physical activity. Similarly, those who indicated **no physical activity** were compared to those who reported 1 or more days of physical activity.

Played on one or more sports teams

Derived from the question, “During the past 12 months, on how many sports teams did you play? (Include any teams run by your school or community groups.)” Students who reported that they played on one or more sports teams were compared to those who reported having played on 0 sports teams.

Obtained 8 or more hours of sleep

Derived from the question, “On an average school night, how many hours of sleep do you get?” Students who reported 8 or more hours were compared to those who reported fewer than 8 hours.

Had 3 or more hours of screentime

Derived from the question, “On an average school day, how many hours do you spend in front of a TV, computer, smart phone or other device watching shows or videos, playing games, accessing the internet, or using social media (also called "screen time")? (Do not count time spent doing schoolwork).” Students who reported three or more hours of screentime were compared to those who reported fewer than 3 hours of screentime or no screen time.

Uses any social media

Derived from the question, “How often do you use social media?” which included the response options: I do not use social media, A few times a month, About once a week, A few times a week, About once a day, Several times a day, About once an hour, More than once an hour. Any response that did not include missing or “I do not use social media” were considered someone who uses social media. Among those who use social media, those who reported **using social media at least once per day** were compared to those who used social media less frequently.

Obese/Overweight

Classification based on a student's Body Mass Index (BMI) (kg/m²), calculated from self-reported height and weight. BMI values were compared with sex- and age-specific reference data from the 2000 CDC growth charts. Obese was defined as a BMI >95th percentile for age and sex, and overweight was defined as a BMI >85th and <95th percentile. These classifications align with the 2007 recommendations from the Expert Committee on the Assessment, Prevention, and Treatment of Child and Adolescent Overweight and Obesity, convened by the American Medical Association (AMA) and co-funded by AMA, HRSA, and the CDC. These are population estimates and not intended to diagnose individual obesity or overweight.

Describe Themselves as Overweight

Derived from the question, "How would you describe your weight?" with response options: Very underweight, Slightly underweight, About the right weight, Slightly overweight, and Very overweight. Students who described themselves as "Slightly overweight" or "Very overweight" were compared to those who selected other responses.

Trying to Lose Weight

Derived from the question, "Which of the following are you trying to do about your weight?" with options: Lose weight, Gain weight, Stay the same weight, or Not trying to do anything about weight. Students who indicated they were trying to lose weight were compared to those who selected other responses.

Trying to Lose Weight or Keep From Gaining Weight

Derived from the question, "During the past 30 days, which of the following did you do to lose weight or keep from gaining weight?" Students could select: None of the above, Exercise, Eat less food or fewer calories, Go without eating for 24 or more hours (fasting), Take diet pills, powders, or liquids without a doctor's advice, Vomit or take laxatives, or Something else. Responses were compared between those who selected any option and those who did not.

Preventive Health Care

Saw a doctor or nurse for routine check-up

Derived from the question, "When was the last time you saw a doctor or nurse for a check-up or physical exam when you were not sick or injured?" and included response option: During the past 12 months, Between 12 and 24 months ago, More than 24 months ago, Never, or Not sure. Those who reported during the past 12 months were compared to those who had any other response option.

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Saw a dentist for routine check-up

Derived from the question, “When was the last time you went to the dentist for a check-up, exam, teeth cleaning, or other dental work?” and included the following response options: During the past 12 months, Between 12 and 24 months ago, More than 24 months ago, Never, or Not sure. Those who reported during the past 12 months were compared to those who had any other response option.

Saw a Doctor, Nurse, Therapist, Social Worker, or Counselor for a Mental Health Issue

Derived from the question, “When was the last time you saw a doctor, nurse, therapist, social worker, or counselor for a mental health problem?” with the response options: During the past 12 months, Between 12 and 24 months ago, More than 24 months ago, Never, or Not sure. Students who reported During the past 12 months were compared to those with any other response.

Asthma

Derived from the question, “During the past 12 months, how many times did you go to the emergency room or urgent care center because of your asthma?” with response options: I do not have asthma, 0 times, 1 to 3 times, 4 to 9 times, 10 to 12 times, 13 or more times. Students who indicated anything besides I do not have asthma were classified as having asthma. Those with asthma who reported 1 or more times visiting an emergency room were compared to those who reported 0 times.

Youth Development

Experienced Housing Instability

Derived from the question, “During the past 30 days, where did you usually sleep?” with options: In my parents or guardians’ home, In the home of a friend or family member, In a shelter, In a hotel or motel, In a car, park, or other public place, I do not usually have a place to sleep, or Somewhere else. Students who selected anything other than In my parents or guardians’ home were considered to have experienced housing instability.

Moved One or More Times Since Kindergarten

Derived from the question, “How many times have you changed homes (moved) since kindergarten?” Students who reported One or more times were compared to those who reported Never.

Parents Talk with Student Almost Every Day About School

Derived from the question, “How often does one of your parents or guardians talk with you about what you are doing in school?” Students who reported About every day were compared to those reporting less frequently.

Had at Least One Meal with Family

Derived from the question, “During the past 7 days, how many meals did you eat with your family?” Students who reported 1 or more meals were compared to those who reported 0 meals.

Described Their Grades in School as A’s and B’s

Derived from the question, “During the past 12 months, how would you describe your grades in school?” Students who reported Mostly A’s or Mostly B’s were grouped and compared to those who reported Mostly C’s, Mostly D’s, or Mostly F’s.

One or More Teachers or Adults at School

Derived from the question, “Is there at least one teacher or adult in your school that you can talk to if you have a problem?” Students who said Yes were compared to those who reported No or Not sure.

Spent at Least One Day in Clubs or Organizations Outside of School

Derived from the question, “On how many of the last 7 days did you take part in organized after school, evening, or weekend activities (other than sports teams) such as school clubs, community center groups, music/art/dance lessons, drama, church or other supervised activities?” Students reporting activities on 1 or more days were compared to those who reported 0 days.

Adverse Childhood Experiences (ACEs)

Combined lifetime prevalence of emotional abuse

Derived from two separate items from the CDC ACEs questionnaire: 1) “During your life, how often has a parent or other adult in your home insulted you, or put you down?” with a 5-item scale ranging from Never to Always and 2) “During the past 12 months, how many times has a parent or other adult in your home insulted you, or put you down?” with response options including a range of 0 to 6 or more times. Students who reported any response except “Never” to item 1 OR who had said **one or more times** to item 2 were considered to have experienced any form of emotional abuse in their life.

Combined lifetime prevalence of physical abuse

Derived from two separate items from the CDC ACEs questionnaire: 1) “During your life, how often has a parent or other adult in your home hit, beat, kicked, or physically hurt you in any way?” with a 5-item scale ranging from Never to Always and 2) “During the past 12 months, how many times has a parent or other adult in your home hit, beat, kicked, or physically hurt you in any way?” with response options including a range of 0 to 6 or more times. Students who reported any response except “Never” to item 1 OR who had said **one or more**

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times to item 2 were considered to have experienced any form of physical abuse in their life.

Lifetime prevalence of sexual abuse

Derived from a dichotomous question, “Has an adult or person at least 5 years older than you ever made you do sexual things that you did not want to do? (Count such things as kissing, touching, or being made to have sexual intercourse.)”

Lifetime prevalence of physical neglect

Derived from the question, “During your life, how often in your life has there been an adult in your household who tried to make sure that your basic needs were met, such as looking after your safety and making sure you have clean clothes and enough to eat?” which had a 5-item scale ranging from Never to Always. Students who did not report “Always” were considered to have experienced any form of physical neglect.

Lifetime prevalence of witness intimate partner violence

Derived from the question, “During your life, how often have your parents or other adults in your home slapped, hit, kicked, punched, or beat each other up?” which had a 5-item scale for response ranging from Never to Always. Those who reported any answer besides “Never” were considered to have experienced some form of witnessing IPV.

Lifetime prevalence of household substance abuse

Derived from the dichotomous question, “Have you ever lived with someone who was having a problem with alcohol or drug use?”

Lifetime prevalence of household mental illness

Derived from the dichotomous question, “Have you ever lived with a parent or guardian who had severe depression, anxiety, or another mental illness, or was suicidal?”

Lifetime prevalence of incarcerated relative

Derived from the dichotomous question, “Have you ever been separated from a parent or guardian because they went to jail, prison, or a detention center?”

Core ACEs Score

Scores were calculated among those students who answered 5 or more of the eight Core ACEs questions (emotional abuse, physical abuse, sexual abuse, physical neglect, witnessing IPV, living with a family member with substance abuse issues, mental illness or who was incarcerated). Scores were categorized based on presence of 0 ACEs, 1 ACE, 2-3 ACEs, or 4 or more ACEs.

Lifetime prevalence of racial/ethnic discrimination

Derived from the question, “During your life, how often have you felt that you were treated badly or unfairly because of your race or ethnicity?” with response options ranging from Never to Always. Those who responded with anything except “Never” were considered to have experienced some form of discrimination.

Lifetime prevalence of sexual minority discrimination

Derived from the question, “During your life, how often have you felt that you were treated badly or unfairly because you are or people think you are lesbian, gay, bisexual, transgender, or questioning? This could include being treated badly because of who you are sexually attracted to or because you express your gender in a way that is different from what people expect” with response options ranging from Never to Always. Those who responded with anything except “Never” were considered to have experienced some form of discrimination.

Lifetime exposure to community violence

Derived from the dichotomous question, “Have you ever seen someone get physically attacked, beaten, stabbed, or shot in your neighborhood?”

Tier 2 Expanded ACEs Score

Scores were calculated among those students who answered 5 or more of the eight Core ACEs questions (emotional abuse, physical abuse, sexual abuse, physical neglect, witnessing IPV, living with a family member with substance abuse issues, mental illness or who was incarcerated) as well as the three additional items (racial/ethnic discrimination, sexual minority discrimination, community violence). Scores were categorized based on presence of 0 ACEs, 1 ACE, 2-3 ACEs, or 4 or more ACEs.

Positive Childhood Experiences (PCEs)

Presence of a supportive adult

Derived from the question, “During your life, how often have you felt able to talk to an adult in your family or another caring adult about your feelings?” with response options ranging from Never to Always. Those who responded with “Most of the Time” or “Always” were considered to have a supportive adult.

Presence of a peer support

Derived from the question, “During your life, how often have you felt able to talk to a friend about your feelings?” with response options ranging from Never to Always. Those who responded with “Most of the Time” or “Always” were considered to have a supportive peer.

Sense of belonging at school

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Derived from the question, “Do you agree or disagree that you feel close to people at your school?” with response options ranging from Strongly Disagree to Strongly Agree. Those who responded with “Agree” or “Strongly Agree” were considered to feel a sense of belonging.

PCEs Score

Scores for all PCEs were combined into a score of 0 to 3 based on the three indicators.

B. Demographic Tables

The following demographic tables describe differences for each indicator discussed in this report. To evaluate differences within subgroups such as **grade level, race and ethnicity, sex, gender identity, and sexual orientation** within each region, we conducted **Rao-Scott Chi-square tests** to assess differences within each subpopulation. Statistical significance was determined by a **p-value of less than 0.01**. For ease of interpretation, statistically **significant results are denoted with an asterisk (*)** and are placed by the point estimate within each subgroup where differences in prevalence were observed.

Note: Differences between Akron and Summit County were not statistically examined due to the large proportion of the Summit County sample that is comprised of Akron students. All statistical tests are conducted within demographic subpopulations within each geography Please interpret accordingly.

Appendix B: Demographic Tables

Appendix Table 2.1. Felt sad or hopeless			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	36.0 (32.6, 39.4)	28.2 (25.4, 30.9)
	10 th Grade	40.7 (36.6, 44.8)	31.1 (28.3, 34.0)
	11 th Grade	39.6 (34.7, 44.4)	29.9 (26.8, 32.9)
	12 th Grade	41.6 (35.1, 48.1)	35.0 (31.0, 39.0)
Race & Ethnicity	Black	37.8 (33.7, 41.8)	33.2* (29.8, 36.6)
	White	41.8 (37.3, 46.3)	28.8* (27.0, 30.6)
	Asian	32.1 (25.9, 38.3)	28.2* (23.4, 33)
	Multiple Races	47.8 (42.3, 53.3)	42.8* (38.5, 47.0)
	Hispanic	42.1 (33.8, 50.4)	40.2* (32.8, 47.7)
Sex	Female	49.5* (45.4, 53.6)	40.7* (38.4, 43.0)
	Male	29.6* (27.0, 32.2)	21.1* (19.6, 22.7)
Gender Identity	Cisgender	37.9* (35.3, 40.5)	29.2* (27.7, 30.7)
	Transgender / Non-Binary	69.5* (60, 79.1)	69.0* (61.1, 76.8)
Sexual Orientation	Heterosexual	34.2* (31.1, 37.2)	24.7* (23.2, 26.3)
	Gay or Lesbian	51.8* (39.0, 64.7)	49.5* (41.7, 57.3)
	Bisexual	60.8* (54.5, 67.2)	58.0* (53.3, 62.8)
	Questioning / Not Sure	59.6* (49.0, 70.3)	48.7* (40.7, 56.7)

Appendix Table 2.2. Hurt themselves without wanting to die			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	25.5 (22.0, 29.0)	18.8 (16.5, 21.1)
	10 th Grade	23.5 (20, 27.1)	18.7 (16.4, 21)
	11 th Grade	18.6 (15.7, 21.5)	16.5 (14.3, 18.7)
	12 th Grade	16.8 (11.1, 22.4)	17.4 (13.8, 21.1)
Race & Ethnicity	Black	16.3* (13.4, 19.2)	17.5 (14.5, 20.4)
	White	26.3* (22.2, 30.4)	17.3 (16.0, 18.6)
	Asian	20.6* (15.1, 26.2)	18.8 (14.6, 23)
	Multiple Races	26.3* (20.8, 31.8)	24.0 (19.5, 28.4)
	Hispanic	22.7* (16.2, 29.1)	22.7 (14.9, 30.5)
Sex	Female	27.0* (23.0, 30.9)	24.9* (22.8, 27.1)
	Male	14.7* (12.6, 16.7)	10.9* (9.6, 12.2)
Gender Identity	Cisgender	19.5* (17.2, 21.8)	16.2* (15.0, 17.4)
	Transgender / Non-Binary	45.8* (34.4, 57.2)	49.7* (42.4, 57.0)
Sexual Orientation	Heterosexual	14.8* (12.6, 17.0)	12.3* (11.1, 13.4)
	Gay or Lesbian	40.9* (28.9, 52.8)	35.3* (28.2, 42.4)
	Bisexual	37.4* (30.2, 44.6)	39.0* (34.1, 44.0)
	Questioning / Not Sure	46.3* (37.1, 55.5)	35.7* (28.7, 42.8)

Appendix Table 2.3. Seriously considered suicide			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	18.0 (14.5, 21.5)	13.9 (11.7, 16.1)
	10 th Grade	19.1 (16.1, 22.1)	13.7 (11.8, 15.7)
	11 th Grade	18.2 (13.4, 23.0)	12.5 (10.1, 14.8)
	12 th Grade	17.0 (12.4, 21.7)	16.2 (13.1, 19.3)
Race & Ethnicity	Black	15.7 (12.1, 19.4)	15.3 (12.2, 18.5)
	White	21.9 (17.8, 26.0)	12.9 (11.5, 14.3)
	Asian	13.9 (9.2, 18.5)	13.1 (9.6, 16.7)
	Multiple Races	19.9 (14.7, 25.1)	18.0 (14.5, 21.5)
	Hispanic	17.8 (11.5, 24.1)	18.2 (12.8, 23.6)
Sex	Female	22.4* (19.0, 25.8)	18.3* (16.3, 20.2)
	Male	13.4* (11.3, 15.6)	9.8* (8.6, 11.0)
Gender Identity	Cisgender	16.7* (14.5, 18.9)	12.6* (11.3, 13.9)
	Transgender / Non-Binary	42.5* (31.2, 53.9)	44.3* (36.1, 52.4)
Sexual Orientation	Heterosexual	13.3* (10.7, 15.8)	9.1* (8.0, 10.2)
	Gay or Lesbian	31.0* (21.0, 40.9)	27.8* (20.5, 35.2)
	Bisexual	33.0* (25.9, 40.1)	33.9* (29.2, 38.6)
	Questioning / Not Sure	38.4* (29.6, 47.1)	30.2* (23.0, 37.4)

Appendix Table 2.4. Made a plan about how they would attempt suicide			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	15.8 (12.8, 18.9)	11.6 (10, 13.2)
	10 th Grade	15.9 (12.9, 18.9)	11.2 (9.2, 13.1)
	11 th Grade	12.8 (9.1, 16.5)	10.2 (8.2, 12.3)
	12 th Grade	10.2 (6.5, 14.0)	10.9 (8.0, 13.7)
Race & Ethnicity	Black	12.5 (9.9, 15.1)	11.9* (9.4, 14.4)
	White	15.2 (11.6, 18.7)	10.1* (8.9, 11.3)
	Asian	10.2 (6.5, 14.0)	9.8* (6.3, 13.4)
	Multiple Races	15.1 (10.5, 19.6)	14.8* (11.7, 18.0)
	Hispanic	18.5 (13.1, 23.8)	19.6* (11.8, 27.3)
Sex	Female	16.5* (13.9, 19.1)	14.3* (12.5, 16.1)
	Male	10.6* (8.4, 12.7)	7.8* (6.7, 9.0)
Gender Identity	Cisgender	12.6* (10.9, 14.4)	10.1* (9.1, 11.2)
	Transgender / Non-Binary	27.4* (18.6, 36.1)	29.3* (22.3, 36.3)
Sexual Orientation	Heterosexual	10.6* (8.6, 12.6)	7.5* (6.6, 8.4)
	Gay or Lesbian	17.7* (10.5, 24.6)	22.4* (15.3, 29.4)
	Bisexual	23.6* (17.9, 29.2)	24.3* (19.7, 29)
	Questioning / Not Sure	28.4* (19.3, 37.5)	22.1* (16.4, 27.8)

Appendix B: Demographic Tables

Appendix Table 2.5. Made a suicide attempt			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	11.5 (8.6, 14.4)	6.3 (5, 7.6)
	10 th Grade	10.9 (8.1, 13.8)	6.6 (5.1, 8.2)
	11 th Grade	7.3 (5.3, 9.3)	5.7 (4, 7.4)
	12 th Grade	9.5 (6.0, 13.1)	6.8 (4.6, 9.1)
Race & Ethnicity	Black	9.3 (7.3, 11.3)	7.7* (5.8, 9.6)
	White	9.5 (6.4, 12.6)	5.1* (4.2, 6.1)
	Asian	9.9 (5.7, 14.1)	8.4* (5.3, 11.4)
	Multiple Races	12.2 (8.4, 15.9)	10.1* (7.5, 12.8)
	Hispanic	12.0 (7.2, 16.7)	10.7* (7.2, 14.1)
Sex	Female	12.0* (10.1, 13.9)	7.6* (6.4, 8.9)
	Male	7.6* (5.5, 9.7)	5.1* (4.1, 6.1)
Gender Identity	Cisgender	9.1* (7.6, 10.6)	5.8* (5.0, 6.6)
	Transgender / Non-Binary	20.7* (12.1, 29.3)	16.7* (11.4, 21.9)
Sexual Orientation	Heterosexual	8.2* (6.3, 10)	4.6* (3.8, 5.4)
	Gay or Lesbian	17.7* (10.3, 25.0)	13.8* (7.4, 20.2)
	Bisexual	13.3* (9.3, 17.3)	11.6* (8.5, 14.8)
	Questioning / Not Sure	18.4* (9.3, 27.6)	10.6* (6.8, 14.4)

Appendix Table 2.6 Received help when sad, empty, hopeless, angry, or anxious			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	45.5 (40.9, 50.2)	47.1* (43.8, 50.5)
	10 th Grade	44.0 (39.3, 48.7)	49.2* (45.8, 52.6)
	11 th Grade	47.0 (39.2, 54.8)	53.1* (49.4, 56.8)
	12 th Grade	45.5 (37.6, 53.5)	56.0* (50.8, 61.2)
Race & Ethnicity	Black	44.6 (38.4, 50.8)	46.2* (40.8, 51.7)
	White	48.0 (43.3, 52.7)	54.3* (52.0, 56.5)
	Asian	46.3 (39.0, 53.7)	46.6* (40.7, 52.5)
	Multiple Races	44.4 (34.6, 54.2)	45.3* (39.1, 51.4)
	Hispanic	39.9 (30.4, 49.4)	44.7* (37.6, 51.8)
Sex	Female	44.6 (39.7, 49.4)	54.0* (51.4, 56.7)
	Male	47.0 (42.5, 51.6)	48.0* (45.2, 50.8)
Gender Identity	Cisgender	47.0 (42.5, 51.6)	51.3 (49.2, 53.3)
	Transgender / Non-Binary	50.2 (37.2, 63.1)	53.2 (44.8, 61.6)
Sexual Orientation	Heterosexual	46.2 (42.1, 50.4)	51.6 (49.3, 53.9)
	Gay or Lesbian	39.3 (28.2, 50.4)	52.7 (43.8, 61.6)
	Bisexual	49.2 (39.1, 59.3)	54.5 (48.9, 60.1)
	Questioning / Not Sure	39.7 (30, 49.4)	46.7 (38.4, 54.9)

Appendix Table 3.1.A. Have ever used any tobacco product			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	20.8 (16.5, 25.2)	15.0* (12.5, 17.6)
	10 th Grade	22.6 (18.8, 26.5)	17.9* (15.5, 20.4)
	11 th Grade	29.4 (24.1, 34.8)	22.6* (19.5, 25.7)
	12 th Grade	29.8 (22.7, 36.9)	25.9* (21.7, 30.2)
Race & Ethnicity	Black	22.9* (18.4, 27.4)	22.8* (19.0, 26.5)
	White	31.1* (26.5, 35.8)	18.8* (17.0, 20.6)
	Asian	20.9* (15.1, 26.6)	17.4* (13.1, 21.7)
	Multiple Races	30.0* (23.2, 36.8)	25.4* (20.6, 30.1)
	Hispanic	30.8* (22.5, 39.2)	28.4* (22.7, 34.0)
Sex	Female	28.0 (24.0, 32.0)	22.9* (20.9, 24.9)
	Male	24.1 (21.3, 26.9)	17.7* (15.9, 19.5)
Gender Identity	Cisgender	25.3 (22.6, 28.1)	19.5* (18.0, 21.0)
	Transgender / Non-Binary	32.0 (19.9, 44.1)	35.5* (27.7, 43.3)
Sexual Orientation	Heterosexual	23.8* (20.9, 26.6)	17.1* (15.6, 18.6)
	Gay or Lesbian	36.1* (21.4, 50.7)	35.2* (26.3, 44.1)
	Bisexual	36.1* (28.4, 43.8)	33.1* (28.2, 38.0)
	Questioning / Not Sure	37.1* (28.5, 45.6)	33.6* (25.7, 41.5)

Appendix Table 3.1.B. Current use of any tobacco or nicotine products			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	10.5 (7.5, 13.5)	6.8* (5.2, 8.3)
	10 th Grade	9.0 (6.6, 11.4)	7.2* (5.6, 8.8)
	11 th Grade	15.3 (10.2, 20.5)	10.4* (8.2, 12.5)
	12 th Grade	13.0 (8.1, 17.8)	11.9* (9.0, 14.8)
Race & Ethnicity	Black	9.8* (7.1, 12.5)	10.2* (7.4, 13.0)
	White	17.3* (12.1, 22.5)	8.4* (7.1, 9.7)
	Asian	5.6* (2.6, 8.6)	5.0* (2.7, 8.2)
	Multiple Races	12.8* (8.4, 17.1)	13.0* (9.5, 16.5)
	Hispanic	14.6* (9.6, 19.6)	13.8* (9.7, 17.9)
Sex	Female	14.2 (11.3, 17.1)	10.7* (9.1, 12.2)
	Male	10.4 (7.5, 13.2)	7.7* (6.3, 9.0)
Gender Identity	Cisgender	11.5* (9.0, 13.9)	8.7* (7.6, 9.9)
	Transgender / Non-Binary	18.3* (507, 29.7)	16.3* (10.4, 22.2)
Sexual Orientation	Heterosexual	9.6* (7.0, 12.2)	7.0* (5.9, 8.1)
	Gay or Lesbian	22.3* (7.6, 37.0)	20.5* (11.9, 29.0)
	Bisexual	20.6* (13.2, 28.1)	17.3* (13.3, 21.4)
	Questioning / Not Sure	17.7* (10.5, 25.0)	14.8* (9.8, 19.7)

Appendix B: Demographic Tables

Appendix Table 3.1.C. Used tobacco before age 13 (among all students)			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9th Grade	12.6 (9.3, 15.9)	7.1 (5.6, 8.7)
	10th Grade	9.1 (6.6, 11.5)	7.0 (5.5, 8.6)
	11th Grade	7.9 (5.8, 10.1)	5.8 (4.1, 7.4)
	12th Grade	8.3 (4.3, 12.3)	5.4 (3.4, 7.5)
Race & Ethnicity	Black	6.7* (5.1, 8.3)	6.6* (4.8, 8.3)
	White	13.3* (9.6, 17.0)	5.8* (4.8, 6.8)
	Asian	10.0* (5.3, 14.7)	7.8* (4.6, 11.0)
	Multiple Races	12.8* (8.7, 16.9)	11.1* (8.0, 14.3)
	Hispanic	11.7* (7.3, 16.1)	10.0* (6.6, 13.3)
Sex	Female	10.1 (7.9, 12.2)	7.2 (5.9, 8.5)
	Male	9.2 (7.2, 11.2)	5.6 (4.6, 6.7)
Gender Identity	Cisgender	8.9* (7.5, 10.4)	6.1* (5.2, 6.9)
	Transgender / Non-Binary	19.0* (7.2, 30.7)	13.3* (7.3, 19.3)
Sexual Orientation	Heterosexual	8.0* (6.2, 9.9)	5.0* (4.1, 5.9)
	Gay or Lesbian	9.5* (2.9, 16.0)	10.8* (5.9, 15.6)
	Bisexual	15.0* (10.4, 19.5)	12.0* (8.5, 15.4)
	Questioning / Not Sure	18.8* (10.9, 26.6)	10.7* (6.6, 14.7)

Appendix Table 3.1.D. Used tobacco before age 13 (among those who have used tobacco)			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9th Grade	60.3* (53.9, 66.8)	47.5* (40.2, 54.7)
	10th Grade	40* (32.2, 47.8)	39.3* (32.8, 45.8)
	11th Grade	27.0* (19.1, 34.9)	25.5* (18.9, 32.1)
	12th Grade	27.8* (16.5, 39.1)	21.0* (14.0, 27.9)
Race & Ethnicity	Black	29.3 (22.8, 35.9)	28.9 (21.9, 35.9)
	White	42.7 (33.1, 52.3)	30.6 (25.9, 35.4)
	Asian	<30	44.8 (31.3, 58.3)
	Multiple Races	42.7 (31.7, 53.8)	43.8 (34.4, 53.3)
	Hispanic	37.9 (26.7, 49.1)	35.1 (24.9, 45.3)
Sex	Female	35.9 (29.4, 42.5)	31.5 (26.5, 36.5)
	Male	38.1 (31.5, 44.6)	31.8 (26.8, 36.8)
Gender Identity	Cisgender	35.3 (31.1, 39.5)	31.0 (27.3, 34.7)
	Transgender / Non-Binary	<30	37.4 (23.2, 51.6)
Sexual Orientation	Heterosexual	33.8 (27.4, 40.2)	29.3 (24.6, 33.9)
	Gay or Lesbian	<30	30.6 (17.1, 44.1)
	Bisexual	41.4 (29.0, 53.9)	36.1 (27.4, 44.8)
	Questioning / Not Sure	<30	31.8 (19.1, 44.5)

Appendix Table 3.1.E. Usually got tobacco from someone who gave it to them			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	29.1 (20.5, 37.6)	28.9 (19.9, 37.8)
	10 th Grade	29.0 (18.5, 39.4)	34.1 (24.2, 43.9)
	11 th Grade	22.1 (13.9, 30.3)	21.2 (14.1, 28.4)
	12 th Grade	25.3 (9.1, 41.6)	28.4 (17.9, 38.9)
Race & Ethnicity	Black	24.6 (17.4, 31.8)	23.9 (15.5, 32.3)
	White	23.9 (13.2, 34.5)	28.8 (22.8, 34.8)
	Asian	<30	37.9 (13.2, 61.5)
	Multiple Races	24.0 (10.4, 37.5)	20.4 (10.8, 29.9)
	Hispanic	27.1 (7.0, 47.3)	31.7 (12.7, 50.8)
Sex	Female	29.6 (20.4, 38.8)	28.1 (22.0, 34.1)
	Male	18.8 (11.6, 26.0)	25.9 (18.4, 33.5)
Gender Identity	Cisgender	23.2 (17.8, 28.7)	26.8 (22.4, 31.2)
	Transgender / Non-Binary	<30	21.7 (5.4, 38.0)
Sexual Orientation	Heterosexual	22.5 (16, 28.9)	26.5 (21.4, 31.6)
	Gay or Lesbian	<30	26.0 (6.5, 45.5)
	Bisexual	31.2 (18.7, 43.7)	29.8 (19.7, 39.8)
	Questioning / Not Sure	<30	35.3 (16.7, 53.9)

Appendix Table 3.1.F. Current cigarette use			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	1.2 (0.4, 1.9)	1.2 (0.7, 1.7)
	10 th Grade	2.2 (1.0, 3.3)	1.4* (0.8, 1.9)
	11 th Grade	2.3 (1.2, 3.5)	1.7* (1.0, 2.3)
	12 th Grade	3.7 (0.7, 6.8)	2.9* (1.6, 4.3)
Race & Ethnicity	Black	0.9* (0.4, 1.4)	0.7* (0.4, 1.1)
	White	5.7 * (2.7, 8.7)	2.2* (1.6, 2.8)
	Asian	1.1* (0, 2.5)	1.6* (0.4, 2.8)
	Multiple Races	1.1* (0.1, 2.0)	1.9* (0.7, 3.0)
	Hispanic	6.2* (2.1, 10.4)	5.1* (2.4, 7.7)
Sex	Female	2.0 (0.8, 3.2)	1.7 (1.1, 2.2)
	Male	3.4 (1.5, 5.3)	2.0 (1.4, 2.7)
Gender Identity	Cisgender	2.1* (1.1, 3.1)	1.5* (1.2, 1.9)
	Transgender / Non-Binary	14.0* (2.6, 25.4)	9.2* (4.3, 14.1)
Sexual Orientation	Heterosexual	1.6* (0.3, 2.8)	1.1* (0.6, 1.5)
	Gay or Lesbian	7.0* (2.1, 12)	6.4* (2.7, 10)
	Bisexual	3.0* (1.2, 4.8)	2.9* (1.7, 4.1)
	Questioning / Not Sure	8.5* (2.2, 14.8)	6.0* (3.0, 9.1)

Appendix B: Demographic Tables

Appendix Table 3.1.G. Current cigar use			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	4.8 (3.2, 6.4)	2.6* (1.7, 3.5)
	10 th Grade	4.4 (2.5, 6.3)	2.7* (1.7, 3.8)
	11 th Grade	9.4 (3.8, 15.0)	4.4* (2.7, 6.1)
	12 th Grade	8.4 (3.8, 13.0)	6.2* (3.6, 8.7)
Race & Ethnicity	Black	7.2 (4.5, 9.8)	6.7* (4.3, 9.1)
	White	7.8 (3.5, 12.1)	2.7* (1.9, 3.6)
	Asian	1.2 (0, 2.5)	1.2* (0.1, 2.3)
	Multiple Races	4.7 (1.8, 7.6)	4.6* (2.6, 6.6)
	Hispanic	7.7 (3.8, 11.6)	6.4* (3.7, 9.2)
Sex	Female	6.8 (4.3, 9.4)	4.1 (2.9, 5.3)
	Male	6.8 (3.9, 9.7)	3.8 (2.7, 4.8)
Gender Identity	Cisgender	6.7 (4.3, 9.1)	3.8 (2.9, 4.8)
	Transgender / Non-Binary	6.1 (1.1, 11.1)	5.3 (2.4, 8.1)
Sexual Orientation	Heterosexual	5.9* (3.5, 8.2)	3.1* (2.3, 4.0)
	Gay or Lesbian	18.6* (3.3, 33.9)	10.2* (2.7, 17.8)
	Bisexual	7.7* (4.6, 10.8)	4.5* (2.8, 6.1)
	Questioning / Not Sure	9.4* (2.8, 16)	9.1* (4.6, 13.6)

Appendix Table 3.1.H. Current electronic cigarette or vape use			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	10.4 (7.3, 13.5)	6.6* (5.0, 8.3)
	10 th Grade	8.6 (6.1, 11.2)	7.0* (5.4, 8.6)
	11 th Grade	15.0 (9.9, 20.2)	10.1* (7.9, 12.3)
	12 th Grade	13.0 (7.6, 18.3)	10.4* (7.9, 12.9)
Race & Ethnicity	Black	9.3* (6.4, 12.1)	8.8* (6.7, 11.0)
	White	17.5* (12.0, 22.9)	8.2* (6.9, 9.4)
	Asian	5.7* (2.6, 8.8)	5.0* (2.7, 7.3)
	Multiple Races	13.8* (9.1, 18.5)	13.0* (9.4, 16.7)
	Hispanic	14.0* (8.7, 19.3)	13.5* (9.2, 17.9)
Sex	Female	14.3 (11.1, 17.4)	10.1* (8.7, 11.6)
	Male	9.9 (7.1, 12.8)	7.1* (5.8, 8.4)
Gender Identity	Cisgender	11.3 (8.7, 13.9)	8.2* (7.1, 9.2)
	Transgender / Non-Binary	19.7 (7.5, 31.9)	16.8* (10.5, 23.1)
Sexual Orientation	Heterosexual	9.3* (6.6, 11.9)	6.5* (5.5, 7.5)
	Gay or Lesbian	21.9* (8.3, 35.5)	17.2* (9.8, 24.7)
	Bisexual	21.5* (13.3, 29.7)	17.3* (13.0, 21.5)
	Questioning / Not Sure	18.0* (10.5, 25.5)	13.8* (9.0, 18.6)

Appendix Table 3.1.I. Current use of smokeless tobacco			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	1.2 (0.3, 2.0)	0.9 (0.3, 1.4)
	10 th Grade	1.8 (0.8, 2.8)	1.1 (0.6, 1.6)
	11 th Grade	3.5 (0.6, 6.3)	2.1 (1.1, 3.0)
	12 th Grade	3.3 (0.4, 6.3)	2.2 (1.0, 3.5)
Race & Ethnicity	Black	2.6 (1.1, 4.2)	1.6 (0.7, 2.5)
	White	2.6 (0, 5.2)	1.5 (1.0, 2.1)
	Asian	1.3 (0, 2.7)	1.3 (0.2, 2.4)
	Multiple Races	1.7 (0.4, 2.9)	2.2 (0.9, 3.5)
	Hispanic	5.3 (1.2, 9.3)	4.4 (1.8, 7.0)
Sex	Female	2.1 (0.6, 3.6)	1.3 (0.8, 1.9)
	Male	3.0 (1.1, 4.8)	2.0 (1.3, 2.7)
Gender Identity	Cisgender	2.3* (1.2, 3.4)	1.5* (1.1, 1.9)
	Transgender / Non-Binary	5.6* (0.6, 10.5)	3.7* (1.2, 6.2)
Sexual Orientation	Heterosexual	2.1* (0.6, 3.6)	1.4* (0.9, 1.9)
	Gay or Lesbian	5.7* (0.9, 10.4)	2.8* (1.0, 4.7)
	Bisexual	1.4* (0.4, 2.5)	1.3* (0.6, 2.0)
	Questioning / Not Sure	10.5* (4.2, 16.8)	6.4* (3.0, 9.8)

Appendix Table 3.1.J. Current use of two or more tobacco or nicotine products			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	4.9 (3.1, 6.6)	3.1 (2.0, 4.1)
	10 th Grade	4.4 (2.6, 6.2)	2.9 (1.8, 3.9)
	11 th Grade	9.6 (4.0, 15.1)	5.0 (3.2, 6.7)
	12 th Grade	7.6 (3.6, 11.6)	5.4 (3.6, 7.1)
Race & Ethnicity	Black	6.5 (4.1, 9.0)	5.2* (3.6, 6.8)
	White	8.6 (4.3, 13.0)	3.6* (2.7, 4.4)
	Asian	1.9 (0.5, 3.4)	2.1* (0.8, 3.4)
	Multiple Races	5.2 (2.3, 8.1)	5.6* (3.1, 8.0)
	Hispanic	9.6 (5.2, 14.1)	7.1* (4.3, 10)
Sex	Female	7.4 (4.9, 9.8)	4.4 (3.4, 5.5)
	Male	6.5 (3.7, 9.3)	3.9 (2.9, 4.9)
Gender Identity	Cisgender	6.4 (4.2, 8.7)	4.0* (3.1, 4.8)
	Transgender / Non-Binary	14.1 (2.9, 25.3)	8.7* (4.0, 13.4)
Sexual Orientation	Heterosexual	5.4* (3.1, 7.7)	3.2* (2.4, 4.0)
	Gay or Lesbian	19.6* (4.7, 34.5)	10.2* (4.1, 16.2)
	Bisexual	7.6* (4.7, 10.6)	4.9* (3.3, 6.5)
	Questioning / Not Sure	13.9* (6.9, 20.8)	10.5* (6.0, 15.1)

Appendix B: Demographic Tables

Appendix Table 3.1.K. Parents think it would be very wrong for them to use tobacco			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9th Grade	76.4* (72.6, 80.2)	77.7* (75.3, 80.1)
	10th Grade	73.1* (68.9, 77.3)	76.8* (74.3, 79.2)
	11th Grade	68.9* (64.6, 73.2)	74.5* (71.6, 77.5)
	12th Grade	60.1* (54.6, 65.5)	65.8* (62, 69.6)
Race & Ethnicity	Black	71.2* (67.3, 75.2)	71.6* (68.1, 75.1)
	White	62.2* (58.8, 65.7)	74.8* (73.0, 76.5)
	Asian	86.6* (81.2, 92)	87.5* (83.7, 91.4)
	Multiple Races	65.0* (59.3, 70.8)	68.7* (63.9, 73.6)
	Hispanic	71.5* (63.8, 79.3)	69.8* (63.7, 75.9)
Sex	Female	67.5 (64.2, 70.8)	71.8* (69.7, 73.8)
	Male	71.0 (67.5, 74.6)	76.3* (74.4, 78.2)
Gender Identity	Cisgender	70.2 (67.6, 72.7)	74.7* (73.2, 76.2)
	Transgender / Non-Binary	55.5 (43, 68)	57.5* (49.8, 65.3)
Sexual Orientation	Heterosexual	73.1* (70.3, 75.9)	77.8* (76.3, 79.3)
	Gay or Lesbian	55.9* (42.9, 68.8)	58.5* (50.1, 66.9)
	Bisexual	60.1* (52.2, 68.1)	62.6* (57.8, 67.4)
	Questioning / Not Sure	62.1* (52.7, 71.5)	62.8* (55.2, 70.4)

Appendix Table 3.2.A. Ever tried marijuana			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9 th Grade	17.6* (14.1, 21)	11.3* (8.9, 13.6)
	10 th Grade	24.7* (21.0, 28.5)	18.2* (15.8, 20.6)
	11 th Grade	31.8* (26.4, 37.3)	22.3* (19.2, 25.4)
	12 th Grade	40.1* (34.1, 46.1)	31.6* (27.0, 36.3)
Race & Ethnicity	Black	30* (26.1, 33.9)	27.8* (24.0, 31.6)
	White	33.1* (28.0, 38.3)	17.4* (15.7, 19.2)
	Asian	11.7* (6.9, 16.6)	12.3* (8.2, 16.5)
	Multiple Races	31.2* (25.6, 36.9)	26.7* (22.5, 30.9)
	Hispanic	25.1* (19.4, 30.8)	27.6* (19.8, 35.3)
Sex	Female	33.1* (28.5, 37.7)	23.6* (21.4, 25.8)
	Male	25.2* (22.2, 28.2)	17.6* (15.7, 19.4)
Gender Identity	Cisgender	28.4* (25.6, 31.2)	19.9* (18.3, 21.5)
	Transgender / Non-Binary	44.1* (32.2, 56.1)	37.1* (29.3, 44.9)
Sexual Orientation	Heterosexual	25.8* (22.8, 28.8)	16.8* (15.3, 18.3)
	Gay or Lesbian	46.6* (35.2, 58.0)	37.7* (29.1, 46.3)
	Bisexual	44.9* (38.0, 51.8)	38.2* (33.4, 43.1)
	Questioning / Not Sure	39.0* (30.3, 47.7)	28.9* (20.9, 36.8)

Appendix Table 3.2.B. Current marijuana use			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9 th Grade	12.6* (8.9, 16.4)	7.7* (5.7, 9.6)
	10 th Grade	15.8* (13.0, 18.6)	10.3* (8.5, 12.0)
	11 th Grade	20.1* (14.9, 25.2)	13.1* (10.8, 15.4)
	12 th Grade	25.3* (19.3, 31.2)	19.1* (15.4, 22.7)
Race & Ethnicity	Black	19.8* (15.8, 23.9)	17.6* (14.2, 20.9)
	White	22.3* (16.6, 27.9)	10.1* (8.8, 11.5)
	Asian	3.5* (1.6, 5.5)	4.6* (2.6, 6.6)
	Multiple Races	19.6* (14.5, 24.8)	17.0* (13.0, 21.0)
	Hispanic	15.3* (9.7, 21.0)	16.8* (12.3, 21.3)
Sex	Female	21.3* (17.7, 24.8)	14.3* (12.5, 16.0)
	Male	16.4* (13.6, 19.3)	10.3* (8.9, 11.7)
Gender Identity	Cisgender	17.9* (15.0, 20.8)	11.7* (10.4, 13.0)
	Transgender / Non-Binary	34.5* (21.7, 47.3)	26.8* (19.5, 34.2)
Sexual Orientation	Heterosexual	15.7* (12.6, 18.8)	9.5* (8.3, 10.7)
	Gay or Lesbian	33.8* (21.3, 46.4)	25.7* (17.6, 33.8)
	Bisexual	31.0* (23.1, 38.9)	23.7* (19.3, 28.1)
	Questioning / Not Sure	26.8* (18.4, 35.1)	19.6* (12.5, 26.7)

Appendix B: Demographic Tables

Appendix Table 3.2.C. Tried marijuana before age 13 (among all students)			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	9.3 (6.4, 12.2)	5.1 (3.6, 6.5)
	10 th Grade	8.4 (6.2, 10.6)	5.2 (3.9, 6.5)
	11 th Grade	6.9 (4.5, 9.3)	4.2 (3.0, 5.4)
	12 th Grade	8.1 (4.6, 11.5)	5.1 (2.9, 7.3)
Race & Ethnicity	Black	6.9* (5.0, 8.8)	7.0* (5.0, 9.0)
	White	11.2* (8.1, 14.3)	3.7* (3.0, 4.5)
	Asian	1.3* (0, 2.7)	2.6* (0, 5.4)
	Multiple Races	11.2* (7.8, 14.6)	9.0* (6.4, 11.5)
	Hispanic	7.8* (4.1, 11.4)	11.4* (6.2, 16.5)
Sex	Female	7.6 (5.8, 9.4)	5.3 (4.1, 6.4)
	Male	8.6 (6.6, 10.6)	4.7 (3.8, 5.6)
Gender Identity	Cisgender	8.0 (6.7, 9.3)	4.9 (4.1, 5.6)
	Transgender / Non-Binary	6.0 (1.7, 10.2)	6.3 (2.7, 9.9)
Sexual Orientation	Heterosexual	7.3 (5.7, 8.9)	3.9* (3.2, 4.7)
	Gay or Lesbian	12.5 (5.8, 19.1)	9.1* (5.5, 12.8)
	Bisexual	12.2 (7.9, 16.5)	10.2* (6.4, 14.1)
	Questioning / Not Sure	8.1 (2.9, 13.3)	6.3* (2.9, 9.8)

Appendix Table 3.2.D. Tried marijuana before age 13 (among those who have ever tried it)			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	47.1* (38.0, 56.1)	41.7* (33.4, 50)
	10 th Grade	31.3* (25.1, 37.5)	26.6* (20.8, 32.5)
	11 th Grade	20.4* (12.0, 28.7)	17.4* (12.5, 22.4)
	12 th Grade	17.5* (10.5, 24.4)	14.3* (8.5, 20.1)
Race & Ethnicity	Black	20.4* (15.6, 25.2)	22.6 (16.4, 28.8)
	White	31.2* (25.0, 37.4)	20 (16.2, 23.7)
	Asian	<30*	20.2 (1.6, 38.8)
	Multiple Races	33.2* (23.6, 42.8)	31.5 (23.8, 39.2)
	Hispanic	28.6* (16.3, 41.0)	39.3 (28.0, 50.6)
Sex	Female	20.6 (15.7, 25.4)	20.7 (16.2, 25.1)
	Male	31.2 (24.8, 37.6)	24.2 (19.9, 28.5)
Gender Identity	Cisgender	25.3 (21.8, 28.8)	22.4 (19.2, 25.5)
	Transgender / Non-Binary	13.2 (3.1, 23.4)	16.9 (7.3, 26.5)
Sexual Orientation	Heterosexual	25.0 (20.4, 29.5)	20.8 (17.2, 24.4)
	Gay or Lesbian	26.8 (11.7, 41.9)	24.0 (14.4, 33.6)
	Bisexual	25.0 (16.9, 33.1)	25.8 (17.4, 34.1)
	Questioning / Not Sure	19.4 (7.2, 31.6)	20.8 (9.5, 32.0)

Appendix Table 3.2.E. Current marijuana and tobacco co-use			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	7.6 (5.2, 10.1)	4.2* (2.9, 5.6)
	10 th Grade	6.8 (4.7, 9.0)	5.1* (3.7, 6.5)
	11 th Grade	12.4 (7.6, 17.2)	8.1* (6.1, 10.1)
	12 th Grade	9.6 (5.4, 13.8)	7.8* (5.4, 10.2)
Race & Ethnicity	Black	8.3* (5.8, 10.9)	8.0* (5.7, 10.3)
	White	13.2* (8.2, 18.1)	5.6* (4.5, 6.6)
	Asian	1.2* (0, 2.3)	2.0* (0.6, 3.4)
	Multiple Races	9.8* (5.7, 13.9)	9.9* (6.5, 13.3)
	Hispanic	9.3* (5.3, 13.3)	9.9* (6.1, 13.7)
Sex	Female	11.0 (8.4, 13.7)	7.7* (6.3, 9.1)
	Male	7.8 (5.2, 10.4)	5.1* (3.9, 6.3)
Gender Identity	Cisgender	8.7* (6.4, 10.9)	6.1* (5.1, 7.1)
	Transgender / Non-Binary	14.2* (3.2, 25.3)	11.4* (6.1, 16.7)
Sexual Orientation	Heterosexual	7.2* (4.8, 9.6)	4.9* (3.9, 5.8)
	Gay or Lesbian	18.6* (5.6, 31.7)	16.1* (8.4, 23.9)
	Bisexual	17.2* (10, 24.4)	12.8* (9.1, 16.5)
	Questioning / Not Sure	14.1* (7.8, 20.4)	10.0* (5.6, 14.5)

Appendix Table 3.2.F. Usually used marijuana by smoking it			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	67.9 (59.3, 76.5)	61.2 (52.4, 69.9)
	10 th Grade	51.0 (40.4, 61.5)	47.5 (39.4, 55.5)
	11 th Grade	63.6 (52.9, 74.3)	50.9 (43.0, 58.8)
	12 th Grade	64.2 (46.9, 81.5)	61.5 (50.1, 72.9)
Race & Ethnicity	Black	72.5* (63.8, 81.2)	75.4* (67.8, 83.0)
	White	49.4* (40.3, 58.5)	41.2* (35.8, 46.6)
	Asian	<30*	44.3* (21.9, 66.7)
	Multiple Races	62.5* (47.9, 77.0)	60.9* (50.5, 71.3)
	Hispanic	44.8* (28.0, 61.6)	51.8* (37.0, 66.7)
Sex	Female	68.0 (61.2, 74.7)	60.7* (54.9, 66.5)
	Male	57.7 (48.3, 67)	50.2* (43.9, 56.5)
Gender Identity	Cisgender	64.3 (57.2, 71.5)	57.5 (52.3, 62.8)
	Transgender / Non-Binary	37.5 (10.2, 64.8)	32.5 (15.8, 49.3)
Sexual Orientation	Heterosexual	67.9 (59.2, 76.6)	58.9 (53.1, 64.7)
	Gay or Lesbian	61.4 (38.5, 84.4)	46.8 (26.6, 67.0)
	Bisexual	52.5 (40.3, 64.7)	45.2 (35.1, 55.3)
	Questioning / Not Sure	42.7 (23.2, 62.3)	60.8 (44.1, 77.4)

Appendix B: Demographic Tables

Appendix Table 3.2.G. Parents think it would be very wrong for them to use marijuana			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9th Grade	70.2* (66.0, 74.4)	75.6* (73.0, 78.2)
	10th Grade	62.4* (57.8, 66.9)	70.1* (67.5, 72.8)
	11th Grade	56.0* (52.1, 60.0)	67.8* (64.3, 71.4)
	12th Grade	45.0* (38.6, 51.4)	52.5* (48.1, 57.0)
Race & Ethnicity	Black	56.2* (51.8, 60.5)	59.2* (54.8, 63.6)
	White	52.3* (47.4, 57.1)	69.5* (67.6, 71.5)
	Asian	90.8* (86.3, 95.2)	91.3* (88.1, 94.4)
	Multiple Races	50.8* (43.9, 57.6)	59.3* (54.4, 64.1)
	Hispanic	67.9* (59.7, 76.1)	69.9* (63.7, 76.1)
Sex	Female	53.7* (50.4, 57.0)	63.5* (61.3, 65.7)
	Male	62.0* (58.5, 65.5)	71.0* (68.9, 73.1)
Gender Identity	Cisgender	58.8* (56.0, 61.6)	68.2* (66.5, 70.0)
	Transgender / Non-Binary	38.6* (28.1, 49.2)	44.7* (36.9, 52.4)
Sexual Orientation	Heterosexual	62.1* (59.3, 65)	72.4* (70.7, 74.2)
	Gay or Lesbian	42.1* (32.9, 51.4)	47.2* (38.7, 55.8)
	Bisexual	43.8* (35.1, 52.4)	49.0* (44.0, 54.0)
	Questioning / Not Sure	51.7* (42.4, 61.0)	49.2* (41.2, 57.2)

Appendix Table 3.3.A. Ever drank alcohol			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	24.0* (20.2, 27.8)	19.4* (17.0, 21.9)
	10 th Grade	29.4* (25.6, 33.1)	27.0* (24.5, 29.5)
	11 th Grade	33.9* (28.6, 39.2)	37.1* (33.3, 40.8)
	12 th Grade	35.0* (28.1, 41.8)	39.1* (34.7, 43.6)
Race & Ethnicity	Black	25.4* (21.3, 29.5)	25.6* (21.8, 29.3)
	White	39.7* (34.8, 44.6)	32.7* (30.4, 34.9)
	Asian	23.4* (17.6, 29.3)	21.5* (16.8, 26.2)
	Multiple Races	36.9* (31.0, 42.8)	36.4* (31.9, 41.0)
	Hispanic	36.3* (28.4, 44.3)	38.2* (30.4, 46.0)
Sex	Female	35.6* (31.0, 40.2)	36.5* (34.1, 39.0)
	Male	26.4* (23.2, 29.5)	24.9* (22.8, 26.9)
Gender Identity	Cisgender	30.3 (27.4, 33.1)	30.2* (28.3, 32.1)
	Transgender / Non-Binary	43.7 (31.3, 56.2)	42.9* (35.0, 50.9)
Sexual Orientation	Heterosexual	28.3* (25.5, 31.2)	28.2* (26.4, 30.1)
	Gay or Lesbian	49.2* (36.1, 62.2)	41.0* (32.2, 49.8)
	Bisexual	39.7* (33.3, 46.1)	42.8* (37.9, 47.7)
	Questioning / Not Sure	42.9* (32.3, 53.4)	34.0* (26.1, 41.9)

Appendix Table 3.3.B. Currently drink alcohol			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	7.6* (5.5, 9.7)	7.0* (5.6, 8.5)
	10 th Grade	11.9* (9.2, 14.7)	12.7* (10.9, 14.5)
	11 th Grade	15.8* (10.1, 21.4)	18.4* (15.4, 21.5)
	12 th Grade	16.8* (11.7, 21.9)	20.7* (16.9, 24.4)
Race & Ethnicity	Black	10.5* (7.9, 13.1)	11.0* (8.3, 13.6)
	White	19.4* (14.2, 24.5)	16.2* (14.5, 18.0)
	Asian	4.4* (1.2, 7.7)	7.7* (4.2, 11.2)
	Multiple Races	16.8* (11.8, 21.9)	19.0* (15.0, 23.0)
	Hispanic	15.5* (9.2, 21.9)	15.5* (11.0, 19.9)
Sex	Female	16.5* (13.2, 19.7)	17.7* (15.7, 19.6)
	Male	10.4* (7.6, 13.2)	11.7* (10.1, 13.3)
Gender Identity	Cisgender	13.1 (10.6, 15.5)	14.3* (12.9, 15.7)
	Transgender / Non-Binary	23.5 (11.2, 35.7)	24.7* (17.2, 32.2)
Sexual Orientation	Heterosexual	12.1* (9.5, 14.7)	13.4* (12.0, 14.8)
	Gay or Lesbian	30* (16.8, 43.2)	26.0* (17.3, 34.8)
	Bisexual	16.8* (12.2, 21.3)	20.5* (16.3, 24.7)
	Questioning / Not Sure	16.7* (9, 24.4)	14.1* (9.5, 18.6)

Appendix B: Demographic Tables

Appendix Table 3.3.C. Current binge drinking			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	3.0* (1.7, 4.3)	2.3* (1.6, 3.1)
	10 th Grade	5.4* (3.6, 7.1)	5.8* (4.5, 7.0)
	11 th Grade	7.1* (3.8, 10.4)	9.1* (7.1, 11.2)
	12 th Grade	9.3* (5.3, 13.3)	11.0* (8.2, 13.8)
Race & Ethnicity	Black	4.5* (2.5, 6.5)	5.2 (3.0, 7.4)
	White	9.6* (6.5, 12.8)	7.8 (6.6, 8.9)
	Asian	1.4* (0, 2.8)	3.8 (0.9, 6.7)
	Multiple Races	8.6* (4.5, 12.8)	9.0 (6.2, 11.7)
	Hispanic	9.0* (4.5, 13.5)	9.0 (5.8, 12.1)
Sex	Female	7.3 (5.0, 9.6)	7.7 (6.3, 9.1)
	Male	5.4 (3.6, 7.3)	6.3 (5.2, 7.4)
Gender Identity	Cisgender	6.1* (4.7, 7.5)	6.9 (6.0, 7.8)
	Transgender / Non-Binary	12.8* (6.2, 19.4)	10.7 (5.9, 15.5)
Sexual Orientation	Heterosexual	5.9 (4.1, 7.7)	6.3* (5.4, 7.2)
	Gay or Lesbian	10.2 (4.2, 16.2)	11.7* (5.0, 18.4)
	Bisexual	8.8 (5.7, 11.9)	10.9* (7.3, 14.4)
	Questioning / Not Sure	7.9 (1.5, 14.4)	8.3* (4.4, 12.2)

Appendix Table 3.3.D. Usually get alcohol from someone who gave it to them			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	31.2 (18.0, 44.3)	40.4 (30, 50.8)
	10 th Grade	31.8 (22.5, 41.1)	40 (32.3, 47.7)
	11 th Grade	44.8 (31.9, 57.7)	52.9 (45.0, 60.8)
	12 th Grade	32.2 (14.9, 49.4)	42.5 (32.8, 52.2)
Race & Ethnicity	Black	35.8 (18.0, 53.6)	41.1 (27.2, 54.9)
	White	32.5 (21.7, 43.3)	45.7 (40.5, 50.9)
	Asian	44.0 (9.7, 78.3)	40.6 (17.9, 63.3)
	Multiple Races	30.3 (17.4, 43.2)	48.3 (35.3, 61.2)
	Hispanic	49.5 (32.0, 67.1)	50.7 (37.2, 64.1)
Sex	Female	39.1 (26.7, 51.5)	47.9 (41.3, 54.5)
	Male	28.2 (17.8, 38.6)	41.5 (34.8, 48.3)
Gender Identity	Cisgender	34.6 (27.1, 42.1)	46.6 (41.9, 51.2)
	Transgender / Non-Binary	34.7 (8.2, 61.2)	28.2 (13.0, 43.4)
Sexual Orientation	Heterosexual	29.2 (17.4, 41.1)	44.9 (39.1, 50.6)
	Gay or Lesbian	56.7 (28.8, 84.7)	47.2 (26.6, 67.8)
	Bisexual	34.5 (21.6, 47.4)	48.8 (38.0, 59.5)
	Questioning / Not Sure	47.7 (24.5, 70.8)	36.9 (20.9, 52.9)

Appendix B: Demographic Tables

Appendix Table 3.3.E Had their first drink before age 13 (among all students)			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	11.8 (9.0, 14.5)	8.4 (7.0, 9.9)
	10 th Grade	11.6 (9.0, 14.3)	8.5 (7.0, 9.9)
	11 th Grade	10.7 (7.5, 13.8)	8.5 (6.5, 10.4)
	12 th Grade	8.6 (4.8, 12.4)	6.8 (4.8, 8.9)
Race & Ethnicity	Black	7.8* (5.8, 9.9)	7.5* (5.6, 9.5)
	White	14.3* (9.6, 19.0)	7.9* (6.7, 9.0)
	Asian	7.0* (3.3, 10.7)	6.3* (3.6, 9.0)
	Multiple Races	14.4* (10.1, 18.7)	12.7* (9.4, 16.0)
	Hispanic	14.1* (8.3, 20)	17.9* (9.7, 26.0)
Sex	Female	10.8 (8.8, 12.9)	8.9 (7.5, 10.2)
	Male	10.3 (7.5, 13.0)	7.5 (6.2, 8.8)
Gender Identity	Cisgender	10.1 (8.2, 12.0)	7.9 (7.0, 8.8)
	Transgender / Non-Binary	15.8 (7.7, 23.8)	12.1 (7.0, 17.2)
Sexual Orientation	Heterosexual	9.7 (7.3, 12.0)	7.1* (6.1, 8.1)
	Gay or Lesbian	16.0 (8.3, 23.8)	13.6* (8.7, 18.6)
	Bisexual	15.1 (11.0, 19.1)	13.5* (9.8, 17.1)
	Questioning / Not Sure	12.5 (5.6, 19.3)	6.6* (3.8, 9.4)

Appendix Table 3.3.F Had their first drink before age 13 (among those who ever drank)			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	49.0* (40.7, 57.4)	43.5* (37.4, 49.5)
	10 th Grade	39.6* (32.5, 46.6)	31.4* (26.9, 35.9)
	11 th Grade	31.5* (24.4, 38.6)	22.8* (17.9, 27.7)
	12 th Grade	24.7* (15.7, 33.7)	17.5* (12.6, 22.3)
Race & Ethnicity	Black	30.9 (24.6, 37.2)	29.5* (22.5, 36.5)
	White	36.1 (26.5, 45.7)	24.1* (20.7, 27.4)
	Asian	30 (17.2, 42.9)	29.3* (18.2, 40.4)
	Multiple Races	39.1 (28.2, 49.9)	34.9* (26.6, 43.2)
	Hispanic	38.9 (26.7, 51.1)	46.8* (32.3, 61.2)
Sex	Female	30.4 (25.4, 35.3)	24.3 (20.6, 27.9)
	Male	38.9 (31.0, 46.8)	30.1 (25.7, 34.5)
Gender Identity	Cisgender	33.3 (28.6, 38.1)	26.1 (23.3, 29.0)
	Transgender / Non-Binary	36.1 (18.2, 54)	28.3 (16.9, 39.7)
Sexual Orientation	Heterosexual	34.0 (27.2, 40.8)	25.1 (21.7, 28.5)
	Gay or Lesbian	32.6 (15.0, 50.2)	33.2 (20.9, 45.6)
	Bisexual	37.9 (29.4, 46.4)	31.5 (24.2, 38.7)
	Questioning / Not Sure	29.1 (13.5, 44.6)	19.4 (10.9, 27.9)

Appendix B: Demographic Tables

Appendix Table 3.3.G. Attended a party where parents permitted alcohol			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	7.4 (5.6, 9.2)	8.1* (6.4, 9.8)
	10 th Grade	9.2 (6.7, 11.7)	12.3* (10.3, 14.2)
	11 th Grade	10.4 (6.7, 14.1)	17.2* (14.3, 20.2)
	12 th Grade	14.5 (9.2, 19.8)	17.6* (14.0, 21.1)
Race & Ethnicity	Black	9.9 (6.9, 12.9)	11.5* (9.0, 14.1)
	White	12.7 (9.3, 16.2)	15.1* (13.4, 16.7)
	Asian	5.3 (2.0, 8.5)	7.2* (3.8, 10.6)
	Multiple Races	11.7 (7.6, 15.8)	14.1* (11.0, 17.2)
	Hispanic	10.8 (6.8, 14.8)	11.7* (8.4, 15.0)
Sex	Female	12.9 (10.1, 15.6)	16.5* (14.6, 18.4)
	Male	8.4 (6.2, 10.5)	10.9* (9.5, 12.4)
Gender Identity	Cisgender	10.6 (8.7, 12.4)	13.9 (12.6, 15.3)
	Transgender / Non-Binary	11.8 (5.3, 18.3)	11.7 (6.8, 16.6)
Sexual Orientation	Heterosexual	10.6 (8.2, 13.0)	13.9 (12.4, 15.4)
	Gay or Lesbian	16.8 (8.7, 24.9)	11.8 (7.6, 16.0)
	Bisexual	10.2 (6.9, 13.5)	14.7 (11.1, 18.3)
	Questioning / Not Sure	18.5 (10.9, 26.2)	15.9 (10.9, 20.9)

Appendix Table 3.3.H. Parents feel it would be very wrong for them to drink alcohol			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	64.7* (60.3, 69.2)	60.2* (57.1, 63.3)
	10 th Grade	62.1* (57.9, 66.3)	56.5* (53.9, 59.1)
	11 th Grade	58.3* (53.6, 63.0)	49.2* (45.3, 53.1)
	12 th Grade	46.8* (40.8, 52.8)	43.4* (39.7, 47.1)
Race & Ethnicity	Black	64.6* (60.1, 69.0)	64.6* (60.7, 68.5)
	White	42.7* (39.1, 46.4)	46.3* (44.1, 48.4)
	Asian	80* (74.1, 85.9)	74.6* (69.7, 79.5)
	Multiple Races	52.0* (45.3, 58.8)	52.2* (47.3, 57.2)
	Hispanic	54.2* (45.9, 62.5)	48.9* (41.0, 56.8)
Sex	Female	55.6 (52.0, 59.3)	49.1* (46.8, 51.5)
	Male	59.7 (56.6, 62.9)	56.1* (53.7, 58.4)
Gender Identity	Cisgender	58.4* (55.7, 61.2)	53.2* (51.3, 55.1)
	Transgender / Non-Binary	35.2* (24.5, 45.8)	37.0* (28.9, 45.1)
Sexual Orientation	Heterosexual	60.8* (57.7, 63.9)	55.2* (53.3, 57.1)
	Gay or Lesbian	36.7* (25.6, 47.8)	39.2* (30.5, 47.9)
	Bisexual	52.1* (43.9, 60.4)	43.5* (38.2, 48.8)
	Questioning / Not Sure	42.4* (32.2, 52.6)	41.1* (32.7, 49.6)

Appendix Table 3.4.A. Ever used any prescription drugs without a doctor's prescription			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	7.9 (5.1, 10.8)	6.3 (4.9, 7.7)
	10 th Grade	9.9 (7.3, 12.4)	7.6 (6.1, 9.2)
	11 th Grade	7.2 (3.9, 10.5)	5.3 (3.7, 6.8)
	12 th Grade	10.3 (4.9, 15.7)	8.7 (5.8, 11.5)
Race & Ethnicity	Black	8.1 (5.0, 11.2)	8.7* (6.3, 11.2)
	White	10.4 (7.0, 13.7)	5.8* (4.9, 6.8)
	Asian	3.7 (1.5, 5.8)	4.3* (2.4, 6.3)
	Multiple Races	11.1 (7.1, 15.1)	9.8* (6.7, 12.8)
	Hispanic	14.4 (8.7, 20.1)	11.0* (7.3, 14.8)
Sex	Female	8.8 (6.2, 11.4)	7.5 (6.2, 8.8)
	Male	8.3 (5.8, 10.8)	5.9 (4.7, 7.0)
Gender Identity	Cisgender	8.3 (6.5, 10.1)	6.3* (5.4, 7.1)
	Transgender / Non-Binary	11.1 (7.1, 15.1)	18.3* (11.7, 25.0)
Sexual Orientation	Heterosexual	7.6* (5.3, 9.8)	5.2* (4.3, 6.1)
	Gay or Lesbian	12.4* (5.9, 18.9)	12.8* (8.4, 17.2)
	Bisexual	14.3* (8.6, 20.1)	11.4* (8.0, 14.9)
	Questioning / Not Sure	13.4* (7.1, 19.7)	13.7* (8.4, 19.0)

Appendix Table 3.4.B. Have taken narcotic pain relievers without a doctor's prescription			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	2.5 (1.2, 3.8)	1.8 (1.1, 2.4)
	10 th Grade	3.5 (2.1, 4.9)	2.1 (1.4, 2.9)
	11 th Grade	2.8 (0, 5.7)	1.5 (0.5, 2.4)
	12 th Grade	2.8 (0, 5.8)	3.1 (1.2, 5.0)
Race & Ethnicity	Black	2.3 (0.6, 3.9)	2.6 (1.1, 4.2)
	White	4.0 (1.3, 6.7)	1.8 (1.3, 2.3)
	Asian	1.1 (0, 2.2)	1.3 (0.2, 2.5)
	Multiple Races	3.6 (1.7, 5.5)	2.5 (1.2, 3.7)
	Hispanic	4.3 (1.8, 6.7)	4.3 (2.1, 6.6)
Sex	Female	3.1 (1.4, 4.7)	2.2 (1.4, 3.0)
	Male	2.6 (0.9, 4.2)	1.9 (1.2, 2.6)
Gender Identity	Cisgender	2.8 (1.5, 4.0)	1.9* (1.4, 2.5)
	Transgender / Non-Binary	3.6 (0, 7.2)	5.4* (1.8, 9.1)
Sexual Orientation	Heterosexual	2.7 (1.2, 4.3)	1.7 (1.2, 2.3)
	Gay or Lesbian	3.0 (0, 6.5)	3.5 (0.5, 6.6)
	Bisexual	3.3 (1.4, 5.1)	3.8 (1.3, 6.3)
	Questioning / Not Sure	2.8 (0.2, 5.5)	2.8 (0.2, 5.4)

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Appendix Table 3.4.C. Have taken tranquilizers or anti-anxiety drugs without a doctor's prescription			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9th Grade	0.8 (0.2, 1.4)	0.5 (0.2, 0.8)
	10th Grade	1.3 (0.3, 2.3)	1.3 (0.6, 2.0)
	11th Grade	1.4 (0.5, 2.2)	1.4 (0.6, 2.2)
	12th Grade	2.1 (0, 5)	1.3 (0.1, 2.4)
Race & Ethnicity	Black	0.5* (0.1, 0.9)	0.9 (0.1, 1.7)
	White	3.0* (0.4, 5.6)	1.2 (0.7, 1.7)
	Asian	0.6* (0, 1.8)	0.4 (0, 1.1)
	Multiple Races	1.8* (0.5, 3.1)	1.5 (0.6, 2.4)
	Hispanic	2.5* (0.3, 4.7)	3.7 (1.3, 6.1)
Sex	Female	0.8 (0.3, 1.3)	0.9 (0.5, 1.4)
	Male	2.0 (0.4, 3.7)	1.3 (0.7, 1.9)
Gender Identity	Cisgender	1.4 (0.5, 2.3)	1.1 (0.7, 1.5)
	Transgender / Non-Binary	1.0 (0, 2.5)	2.1 (0.5, 3.7)
Sexual Orientation	Heterosexual	1.4 (0.2, 2.6)	1.1 (0.6, 1.6)
	Gay or Lesbian	2.3 (0, 5)	1.7 (0, 3.7)
	Bisexual	1.4 (0.3, 2.6)	1.0 (0.4, 1.6)
	Questioning / Not Sure	2.3 (0, 4.9)	2.3 (0.7, 4.0)

Appendix Table 3.4.D. Have taken sleeping pills, sedatives or other depressants without a doctor's prescription			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9th Grade	2.6 (1.4, 3.8)	2.2 (1.5, 2.9)
	10th Grade	3.8 (2.2, 5.3)	3.1 (2.1, 4.2)
	11th Grade	3.2 (0.5, 6.0)	2.5 (1.3, 3.7)
	12th Grade	6.4 (3.1, 9.8)	3.5 (1.7, 5.3)
Race & Ethnicity	Black	4.1 (1.4, 6.8)	3.7 (1.8, 5.6)
	White	5.1 (2.0, 8.3)	2.4 (1.7, 3.1)
	Asian	1.1 (0, 2.3)	0.8 (0.1, 1.5)
	Multiple Races	4.0 (2.1, 6)	3.5 (2.0, 5.0)
	Hispanic	2.7 (0.6, 4.8)	3.8 (1.5, 6.1)
Sex	Female	3.0 (1.3, 4.8)	2.9 (2.0, 3.8)
	Male	5.2 (2.5, 7.8)	2.6 (1.7, 3.5)
Gender Identity	Cisgender	4.0 (2.6, 5.5)	2.6* (2.0, 3.2)
	Transgender / Non-Binary	4.1 (0.5, 7.6)	7.3* (2.8, 11.9)
Sexual Orientation	Heterosexual	4.1 (2.6, 5.7)	2.2* (1.6, 2.8)
	Gay or Lesbian	6.5 (1.3, 11.7)	6.0* (2.2, 9.7)
	Bisexual	2.9 (1.2, 4.6)	2.6* (1.6, 3.7)
	Questioning / Not Sure	5.1 (1.3, 8.9)	6.1* (2.5, 9.7)

Appendix Table 3.4.F. Have taken stimulants or amphetamines without a doctor's prescription			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	1.4 (0.2, 2.5)	0.7 (0.3, 1.2)
	10 th Grade	1.3 (0.5, 2.0)	0.8 (0.4, 1.1)
	11 th Grade	2.4 (0.2, 4.7)	1.7 (0.7, 2.6)
	12 th Grade	4.1 (0.3, 7.8)	1.7 (0.2, 3.2)
Race & Ethnicity	Black	1.2 (0.6, 1.8)	1.0 (0.4, 1.6)
	White	4.6 (0.3, 9)	1.3 (0.6, 2)
	Asian	0.3 (0, 0.9)	0.2 (0, 0.6)
	Multiple Races	3.7 (0.6, 6.8)	2.2 (0.7, 3.8)
	Hispanic	0.9 (0, 2)	2.7 (0.7, 4.7)
Sex	Female	0.9* (0.4, 1.5)*	0.9 (0.5, 1.2)
	Male	3.9* (0.9, 7.0)	1.6 (0.7, 2.5)
Gender Identity	Cisgender	2.4 (0.8, 4.1)	1.2 (0.7, 1.7)
	Transgender / Non-Binary	1.4 (0, 3.5)	1.7 (0.1, 3.3)
Sexual Orientation	Heterosexual	2.6 (0.4, 4.8)	1.1 (0.4, 1.7)
	Gay or Lesbian	3.6 (0.1, 7.1)	3.2 (0.6, 5.7)
	Bisexual	1.7 (0.6, 2.9)	1.6 (0.7, 2.4)
	Questioning / Not Sure	2.1 (0, 4.4)	2.3 (0.2, 4.4)

Appendix Table 3.4.G. Have taken multiple prescription drugs without a doctor's prescription			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	0.6 (0.1, 1.1)	0.6 (0.2, 1.0)
	10 th Grade	1.2 (0.5, 1.9)	0.8 (0.4, 1.2)
	11 th Grade	0.9 (0.2, 1.7)	1.1 (0.4, 1.8)
	12 th Grade	0.8 (0.1, 1.5)	0.8 (0.4, 1.3)
Race & Ethnicity	Black	0.5* (0.1, 0.9)	0.7* (0.1, 1.3)
	White	0.9* (0.1, 1.7)	0.8* (0.5, 1.1)
	Asian	1.2* (0, 2.6)	0.8* (0, 1.6)
	Multiple Races	2.0* (0, 4.0)	1.5* (0.3, 2.7)
	Hispanic	4.6* (0.6, 8.5)	4.8* (2.0, 7.5)
Sex	Female	0.8 (0.3, 1.3)	0.9 (0.5, 1.4)
	Male	1.1 (0.5, 1.6)	0.8 (0.5, 1.1)
Gender Identity	Cisgender	0.9 (0.5, 1.3)	0.8* (0.5, 1.0)
	Transgender / Non-Binary	1.1 (0, 2.5)	3.1* (0.1, 6.2)
Sexual Orientation	Heterosexual	0.6* (0.2, 1.0)	0.5* (0.2, 0.7)
	Gay or Lesbian	3.6* (0.3, 6.9)	3.1* (0.3, 5.8)
	Bisexual	0.2* (0, 0.5)	1.1* (0.3, 1.8)
	Questioning / Not Sure	3.8* (0.3, 7.2)	4.5* (1.7, 7.4)

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Appendix Table 3.4.H. Have taken prescription drugs without a doctor's prescription but unsure which ones			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9th Grade	3.7 (1.7, 5.6)	2.7 (1.7, 3.6)
	10th Grade	3.7 (2.2, 5.2)	3.0 (1.9, 4.0)
	11th Grade	2.7 (1.4, 3.9)	2.1 (1.2, 3.0)
	12th Grade	3.4 (1.1, 5.7)	2.9 (1.8, 4.1)
Race & Ethnicity	Black	3.2 (1.7, 4.8)	3.3* (2.0, 4.6)
	White	3.7 (2.1, 5.2)	2.2* (1.7, 2.7)
	Asian	0.2 (0, 0.7)	1.6* (0.4, 2.8)
	Multiple Races	4.7 (2.0, 7.3)	4.4* (2.0, 6.8)
	Hispanic	6.4 (2.5, 10.4)	5.5* (2.8, 8.2)
Sex	Female	3.2 (2.0, 4.4)	2.9 (2.2, 3.7)
	Male	2.9 (1.5, 4.3)	2.1 (1.5, 2.7)
Gender Identity	Cisgender	3.0 (2.0, 4.0)	2.3* (1.8, 2.8)
	Transgender / Non-Binary	8.4 (0, 19.8)	7.7* (2.5, 12.9)
Sexual Orientation	Heterosexual	2.2* (1.2, 3.2)	1.8* (1.3, 2.3)
	Gay or Lesbian	5.5* (1.1, 9.9)	4.2* (2.0, 6.4)
	Bisexual	7.7* (2.8, 12.7)	5.2* (2.9, 7.5)
	Questioning / Not Sure	7.2* (2.4, 12.0)	7.6* (3.2, 11.9)

Appendix Table 3.5.A. Ever used any illicit drugs			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	9.9 (7.6, 12.2)	7.1 (5.6, 8.5)
	10 th Grade	12.7 (9.6, 15.8)	8.9 (7.3, 10.6)
	11 th Grade	13.5 (9.7, 17.3)	9.4 (7.4, 11.3)
	12 th Grade	14.3 (8.4, 20.3)	10.4 (7.3, 13.5)
Race & Ethnicity	Black	9.9* (5.9, 13.9)	9.0* (6.3, 11.6)
	White	17.9* (13.5, 22.2)	8.4* (7.3, 9.5)
	Asian	6.9* (3.7, 10)	7.8* (5.1, 10.6)
	Multiple Races	16.7* (11.9, 21.4)	14.2* (10.7, 17.7)
	Hispanic	17.4* (11.8, 23.0)	18.6* (10.8, 26.5)
Sex	Female	10.4* (7.8, 12.9)	8.9 (7.4, 10.4)
	Male	15.5* (12.4, 18.6)	9.0 (7.7, 10.4)
Gender Identity	Cisgender	12.2* (9.9, 14.4)	8.4* (7.4, 9.4)
	Transgender / Non-Binary	21.6* (10.4, 32.9)	20.6* (14.0, 27.2)
Sexual Orientation	Heterosexual	12.0 (8.9, 15.1)	7.6* (6.5, 8.8)
	Gay or Lesbian	14.3 (7.7, 20.9)	13.0* (8.0, 18.0)
	Bisexual	16.1 (11.8, 20.4)	12.9* (10.1, 15.8)
	Questioning / Not Sure	16.3 (9.9, 22.7)	13.3* (9.0, 17.5)

Appendix Table 3.5.B. Have ever used heroin			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	0.6 (0.2, 1.1)	0.5 (0.2, 0.9)
	10 th Grade	1.4 (0.2, 2.6)	1.1 (0.5, 1.6)
	11 th Grade	1.3 (0.4, 2.2)	0.9 (0.2, 1.5)
	12 th Grade	1.9 (0.8, 3.0)	1.1 (0.5, 1.6)
Race & Ethnicity	Black	1.2* (0.6, 1.7)	1.1* (0.4, 1.7)
	White	0.9* (0, 1.7)	0.6* (0.3, 0.8)
	Asian	1.2* (0, 2.7)	1.2* (0, 2.3)
	Multiple Races	3.4* (0.4, 6.5)	2.3* (0.7, 3.9)
	Hispanic	5.1* (1.7, 8.5)	4.7* (2.2, 7.1)
Sex	Female	0.6* (0.2, 1.0)	0.4* (0.2, 0.6)
	Male	2.1* (1.2, 3.1)	1.4* (0.9, 1.9)
Gender Identity	Cisgender	1.2* (0.7, 1.7)	0.8* (0.5, 1.1)
	Transgender / Non-Binary	4.6* (0.9, 8.3)	3.1* (1.2, 5.1)
Sexual Orientation	Heterosexual	0.9* (0.4, 1.5)	0.6* (0.3, 0.9)
	Gay or Lesbian	6.4* (1.3, 11.6)	2.2* (0.5, 3.9)
	Bisexual	1.5* (0.3, 2.7)	1.0* (0.4, 1.7)
	Questioning / Not Sure	3.8* (0.3, 7.3)	4.3* (1.9, 6.6)

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Appendix Table 3.5.C. Have ever used cocaine			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	1.8 (0.7, 2.9)	1.0 (0.5, 1.5)
	10 th Grade	2.2 (1.1, 3.4)	1.5 (0.8, 2.2)
	11 th Grade	3.0 (0.1, 5.9)	1.6 (0.5, 2.6)
	12 th Grade	3.4 (0.5, 6.2)	2.0 (0.8, 3.1)
Race & Ethnicity	Black	2.0 (0.4, 3.5)	1.9* (0.7, 3.1)
	White	3.6 (0.9, 6.3)	1.1* (0.6, 1.6)
	Asian	1.2 (0, 2.7)	2.1* (0.4, 3.8)
	Multiple Races	3.7 (0.6, 6.8)	2.8* (1.1, 4.5)
	Hispanic	5.6 (2.2, 9.1)	5.1* (2.5, 7.6)
Sex	Female	2.0 (0.5, 3.4)	1.1 (0.6, 1.7)
	Male	3.3 (1.6, 5)	1.9 (1.3, 2.6)
Gender Identity	Cisgender	2.5 (1.4, 3.6)	1.4* (1.0, 1.9)
	Transgender / Non-Binary	4.7 (0.8, 8.5)	3.5* (1.3, 5.8)
Sexual Orientation	Heterosexual	2.4 (1.0, 3.9)	1.2* (0.7, 1.7)
	Gay or Lesbian	5.5 (1.5, 9.6)	2.8* (1.1, 4.4)
	Bisexual	2.7 (1.1, 4.2)	2.1* (0.9, 3.3)
	Questioning / Not Sure	6.6 (1.9, 11.2)	5.0* (2.5, 7.5)

Appendix Table 3.5.D. Have ever used ecstasy			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	1.1 (0.3, 1.9)	0.6 (0.2, 1.0)
	10 th Grade	2.0 (0.9, 3.2)	1.7 (1.0, 2.5)
	11 th Grade	3.0 (0, 6)	1.8 (0.7, 2.9)
	12 th Grade	4.0 (0.9, 7.1)	2.6 (1.3, 4.0)
Race & Ethnicity	Black	2.5 (0.7, 4.2)	1.8* (0.7, 2.8)
	White	2.8 (0.2, 5.3)	1.4* (0.8, 1.9)
	Asian	0.6 (0, 1.7)	1.0* (0, 2.1)
	Multiple Races	4.0 (0.9, 7.1)	3.9* (1.5, 6.4)
	Hispanic	4.5 (1.8, 7.2)	5.6* (2.0, 9.2)
Sex	Female	1.4 (0.1, 2.8)	1.2 (0.6, 1.8)
	Male	3.8 (2.0, 5.7)	2.1 (1.4, 2.7)
Gender Identity	Cisgender	2.5 (1.4, 3.7)	1.6 (1.1, 2.0)
	Transgender / Non-Binary	5.0 (1.3, 8.8)	3.2 (1.3, 5.1)
Sexual Orientation	Heterosexual	2.7 (1.2, 4.1)	1.3* (0.8, 1.8)
	Gay or Lesbian	5.0 (0.3, 9.7)	3.5* (0.9, 6.1)
	Bisexual	1.4 (0.5, 2.3)	2.1* (0.7, 3.5)
	Questioning / Not Sure	5.3 (1.3, 9.3)	4.4* (2.0, 6.8)

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Appendix Table 3.5.E. Have ever used methamphetamine			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	1.3 (0.5, 2.2)	0.7 (0.4, 1.1)
	10 th Grade	1.8 (0.8, 2.8)	1.2 (0.7, 1.7)
	11 th Grade	2.8 (0, 5.7)	1.3 (0.3, 2.3)
	12 th Grade	3.1 (0.3, 6.0)	1.6 (0.5, 2.7)
Race & Ethnicity	Black	2.0 (0.5, 3.6)	1.8* (0.7, 2.9)
	White	2.5 (0, 5.0)	0.8* (0.3, 1.2)
	Asian	0.6 (0, 1.7)	1.0* (0, 2.0)
	Multiple Races	2.8 (0, 5.9)	2.4* (0.8, 4.0)
	Hispanic	6.8 (3.1, 10.4)	5.4* (2.9, 8.0)
Sex	Female	1.4 (0, 2.8)	0.8 (0.3, 1.3)
	Male	3.2 (1.6, 4.9)	1.7 (1.0, 2.3)
Gender Identity	Cisgender	2.2 (1.1, 3.3)	1.1* (0.8, 1.5)
	Transgender / Non-Binary	4.6 (0.9, 8.3)	3.1* (1.2, 5.0)
Sexual Orientation	Heterosexual	2.1 (0.7, 3.5)	1.0* (0.5, 1.4)
	Gay or Lesbian	5.0 (0.3, 9.8)	2.0* (0.4, 3.6)
	Bisexual	1.8 (0.5, 3.1)	1.1* (0.4, 1.8)
	Questioning / Not Sure	4.5 (0.7, 8.3)	4.0* (1.8, 6.2)

Appendix Table 3.5.F. Have ever used hallucinogenic drugs			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	3.0 (1.7, 4.3)	1.8* (1.1, 2.5)
	10 th Grade	5.4 (3.4, 7.4)	3.4* (2.4, 4.4)
	11 th Grade	8.2 (4.4, 12.1)	4.5* (3.0, 5.9)
	12 th Grade	9.5 (2.9, 16.1)	5.8* (3.1, 8.5)
Race & Ethnicity	Black	4.9 (1.0, 8.8)	3.9 (1.6, 6.1)
	White	10.4 (5.9, 14.9)	3.6 (2.7, 4.5)
	Asian	2.8 (0.7, 4.8)	3.2 (1.4, 5.1)
	Multiple Races	8.5 (4.4, 12.7)	6.0 (3.6, 8.5)
	Hispanic	10.5 (5.8, 15.3)	11.3 (6.1, 16.5)
Sex	Female	5.5 (3.3, 7.7)	3.6 (2.6, 4.5)
	Male	8.3 (5.0, 11.6)	4.3 (3.1, 5.4)
Gender Identity	Cisgender	6.4 (4.1, 8.6)	3.7* (2.9, 4.5)
	Transgender / Non-Binary	14.3 (2.8, 25.7)	7.7* (2.9, 12.4)
Sexual Orientation	Heterosexual	6.7 (3.7, 9.8)	3.5* (2.5, 4.4)
	Gay or Lesbian	7.6 (2.6, 12.7)	5.3* (2.3, 8.2)
	Bisexual	7.1 (4.3, 9.8)	6.0* (4.0, 8.0)
	Questioning / Not Sure	9.7 (4.5, 15)	6.7* (3.6, 9.7)

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Appendix Table 3.5.G. Have ever used inhalants			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	5.8 (4.1, 7.5)	4.1 (3.2, 5.1)
	10 th Grade	6.5 (4.3, 8.7)	4.2 (3.2, 5.2)
	11 th Grade	4.0 (2.2, 5.7)	4.3 (3.0, 5.6)
	12 th Grade	3.7 (2.4, 4.9)	2.7 (1.9, 3.5)
Race & Ethnicity	Black	4.0* (2.8, 5.2)	3.1* (2.2, 4.1)
	White	5.4* (3.7, 7.1)	3.7* (3.1, 4.4)
	Asian	3.1* (0.9, 5.2)	3.5* (1.7, 5.4)
	Multiple Races	8.0* (4.2, 11.7)	8.5* (5.3, 11.6)
	Hispanic	9.1* (4.9, 13.3)	8.1* (5.2, 11.0)
Sex	Female	4.3 (3.2, 5.4)	3.9 (3.1, 4.7)
	Male	5.4 (4.2, 6.7)	3.8 (3.1, 4.4)
Gender Identity	Cisgender	4.3* (3.4, 5.1)	3.4* (2.9, 3.9)
	Transgender / Non-Binary	10.1* (5.0, 15.2)	11.9* (7.1, 16.7)
Sexual Orientation	Heterosexual	3.6* (2.8, 4.5)	2.9* (2.4, 3.4)
	Gay or Lesbian	8.9* (2.7, 15.1)	7.9* (3.9, 12.0)
	Bisexual	7.1* (4.7, 9.6)	5.9* (4.2, 7.7)
	Questioning / Not Sure	10.9* (5, 16.8)	8.7* (5.1, 12.2)

Appendix Table 3.5.H. Have ever used steroids			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	1.2* (0.5, 2.0)	1.1 (0.5, 1.6)
	10 th Grade	2.9* (1.2, 4.5)	1.7 (1.0, 2.4)
	11 th Grade	1.5* (0.6, 2.4)	0.9 (0.3, 1.6)
	12 th Grade	5.5* (2.0, 9.1)	2.6 (1.0, 4.1)
Race & Ethnicity	Black	2.2 (0.8, 3.6)	1.8* (0.8, 2.8)
	White	4.1 (1.0, 7.3)	1.2* (0.7, 1.8)
	Asian	0.9 (0, 2.2)	0.9* (0, 2.0)
	Multiple Races	3.8 (0.7, 6.9)	2.8* (1.1, 4.5)
	Hispanic	5.6 (1.5, 9.7)	4.8* (2.2, 7.5)
Sex	Female	1.0* (0.5, 1.6)	0.6* (0.4, 0.9)
	Male	4.8* (2.3, 7.3)	2.4* (1.5, 3.2)
Gender Identity	Cisgender	2.9 (1.6, 4.2)	1.4 (1.0, 1.9)
	Transgender / Non-Binary	2.4 (0, 5.2)	3.0 (0.8, 5.1)
Sexual Orientation	Heterosexual	3.1 (1.4, 4.8)	1.3* (0.8, 1.8)
	Gay or Lesbian	6.2 (1.3, 11.0)	3.0* (1.1, 4.9)
	Bisexual	1.5 (0.4, 2.5)	1.2* (0.5, 1.9)
	Questioning / Not Sure	3.4 (0.3, 6.5)	3.6* (1.5, 5.8)

Appendix Table 3.5.I. Have ever used synthetic or designer drugs			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	2.8 (1.5, 4.1)	1.9 (1.1, 2.7)
	10 th Grade	3.9 (2.0, 5.7)	3.5 (2.3, 4.7)
	11 th Grade	4.4 (2.2, 6.7)	3.8 (2.6, 5.1)
	12 th Grade	6.3 (2.8, 9.8)	4.2 (2.2, 6.3)
Race & Ethnicity	Black	2.7* (1.3, 4.1)	3.3 (1.8, 4.7)
	White	7.2* (4.0, 10.5)	3.2 (2.4, 4.0)
	Asian	2.6* (0, 5.3)	2.3 (0.4, 4.2)
	Multiple Races	5.4* (2.0, 8.7)	4.8 (2.2, 7.3)
	Hispanic	5.3* (2.0, 8.6)	5.5 (2.8, 8.2)
Sex	Female	2.4* (1.6, 3.2)	3.3 (2.3, 4.2)
	Male	6.4* (4.1, 8.7)	3.2 (2.4, 4.1)
Gender Identity	Cisgender	4.1 (2.9, 5.3)	3.0* (2.4, 3.7)
	Transgender / Non-Binary	7.6 (2.7, 12.5)	8.1* (3.7, 12.5)
Sexual Orientation	Heterosexual	4.1 (2.4, 5.8)	2.7* (2.0, 3.4)
	Gay or Lesbian	5.5 (0.5, 10.4)	5.5* (1.4, 9.7)
	Bisexual	6.6 (3.0, 10.3)	4.7* (2.8, 6.7)
	Questioning / Not Sure	5.6 (1.3, 9.8)	6.8* (3.3, 10.4)

Appendix B: Demographic Tables

Appendix Table 3.6.A. Offered, sold, or given illegal drugs on school property			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	13.8 (10.6, 17.0)	8.8 (6.8, 10.7)
	10 th Grade	13.4 (10.5, 16.3)	11.5 (9.6, 13.3)
	11 th Grade	14.6 (10.5, 18.7)	9.1 (7.1, 11.0)
	12 th Grade	12.4 (8.8, 16.1)	8.3 (6.2, 10.4)
Race & Ethnicity	Black	9.7* (7.2, 12.1)	9.1* (7.0, 11.3)
	White	18.5* (14.9, 22.1)	8.9* (7.8, 10)
	Asian	8.4* (4.8, 12.0)	8.5* (5.6, 11.3)
	Multiple Races	18.2* (13.5, 22.9)	14.6* (11.2, 18.1)
	Hispanic	20.7* (14.2, 27.2)	14.5* (10.4, 18.6)
Sex	Female	12.6 (10.2, 14.9)	9.7 (8.4, 11.0)
	Male	14.5 (11.8, 17.1)	9.1 (7.9, 10.3)
Gender Identity	Cisgender	13.2 (11.5, 15.0)	9.0* (8.1, 10)
	Transgender / Non-Binary	15.0 (8.2, 21.9)	14.0* (8.8, 19.2)
Sexual Orientation	Heterosexual	12.8 (10.7, 14.8)	8.0* (7.0, 9.0)
	Gay or Lesbian	13.9 (7.0, 20.9)	10.5* (6.4, 14.6)
	Bisexual	16.7 (12.3, 21.1)	15.5* (12.2, 18.9)
	Questioning / Not Sure	19.3 (11.5, 27.2)	13.0* (8.3, 17.7)

Appendix Table 3.6.B. Attended school under the influence of alcohol or drugs			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	10.3 (7.2, 13.4)	5.5* (4.1, 6.9)
	10 th Grade	14.0 (11.1, 16.9)	8.7* (7.1, 10.4)
	11 th Grade	15.5 (11.7, 19.2)	9.8* (7.8, 11.8)
	12 th Grade	17.7 (12.8, 22.6)	12.3* (9.3, 15.3)
Race & Ethnicity	Black	12.5* (9.8, 15.2)	11.4* (9.0, 13.8)
	White	20* (15.1, 24.8)	7.4* (6.3, 8.6)
	Asian	3.7* (1.4, 6.0)	4.6* (2.5, 6.8)
	Multiple Races	19.7* (14.9, 24.5)	17.3* (13.4, 21.3)
	Hispanic	17.3* (11.1, 23.4)	17.1* (12.3, 21.8)
Sex	Female	15.6 (12.0, 19.1)	9.8 (8.2, 11.4)
	Male	14.0 (11.2, 16.8)	8.1 (6.8, 9.5)
Gender Identity	Cisgender	13.8* (11.9, 15.7)	8.5* (7.4, 9.5)
	Transgender / Non-Binary	24.9* (12.7, 37.1)	18.6* (12.3, 24.9)
Sexual Orientation	Heterosexual	12.5* (10.3, 14.7)	7.0* (6.1, 8.0)
	Gay or Lesbian	21.1* (12.5, 29.7)	16.5* (10.2, 22.8)
	Bisexual	23.6* (16.4, 30.8)	16.3* (12.3, 20.3)
	Questioning / Not Sure	21.2* (13.7, 28.7)	13.5 (8.7, 18.4)

Appendix Table 4.1. Gambled in the past 12 months			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	14.1 (10.9, 17.4)	13.7 (12.0, 15.5)
	10 th Grade	16.5 (13.6, 19.4)	17.6 (15.2, 20)
	11 th Grade	15.7 (12.6, 18.8)	18.8 (16.1, 21.4)
	12 th Grade	16.4 (12.7, 20.1)	16.2 (13.4, 18.9)
Race & Ethnicity	Black	14.5 (11.6, 17.5)	14.1* (11.0, 17.2)
	White	18.5 (15.0, 22.1)	17.7* (16.3, 19.2)
	Asian	11.5 (7.5, 15.5)	9.9* (7.0, 12.7)
	Multiple Races	15.1 (10.8, 19.5)	18.9* (15.2, 22.7)
	Hispanic	20.9 (14.4, 27.3)	20.4* (15.4, 25.5)
Sex	Female	9.0* (6.9, 11.0)	8.5* (7.3, 9.7)
	Male	23.0* (20.5, 25.5)	24.6* (22.8, 26.5)
Gender Identity	Cisgender	16.1 (14.5, 17.7)	16.6* (15.4, 17.8)
	Transgender / Non-Binary	10.8 (4.3, 17.3)	14.0* (9.3, 18.7)
Sexual Orientation	Heterosexual	16.9 (15.0, 18.8)	17.5 (16.1, 18.9)
	Gay or Lesbian	14.7 (7.8, 21.7)	17.3 (10.9, 23.7)
	Bisexual	12.1 (6.8, 17.4)	11.5 (8.5, 14.5)
	Questioning / Not Sure	21.5 (13.7, 29.2)	18.0 (12.6, 23.3)

Appendix Table 4.2. Gambled in the past 30 days			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	15.4 (12.7, 18.0)	15.7 (13.8, 17.5)
	10 th Grade	17.7 (14.6, 20.9)	18.4 (16.0, 20.8)
	11 th Grade	19.1 (14.1, 24.1)	19.0 (16.1, 22.0)
	12 th Grade	13.6 (9.5, 17.8)	15.8 (12.9, 18.7)
Race & Ethnicity	Black	15.1 (12.4, 17.7)	14.2* (11.3, 17.0)
	White	17.9 (13.9, 21.8)	18.7* (17.3, 20.2)
	Asian	14.0 (9.7, 18.3)	12.4* (9.3, 15.6)
	Multiple Races	15.7 (11.2, 20.1)	17.6* (14.1, 21.2)
	Hispanic	20 (13.2, 26.8)	18.9* (13.9, 23.9)
Sex	Female	9.0* (6.9, 11.0)	10.2* (8.9, 11.5)
	Male	23.0* (20.2, 25.7)	23.9* (22.0, 25.8)
Gender Identity	Cisgender	16.3 (14.3, 18.2)	17.1 (15.8, 18.4)
	Transgender / Non-Binary	16.0 (3.8, 28.1)	17.0 (11.0, 23.0)
Sexual Orientation	Heterosexual	17.0 (14.6, 19.4)	18.1 (16.7, 19.6)
	Gay or Lesbian	13.2 (6.1, 20.2)	17.0 (10.4, 23.5)
	Bisexual	14.9 (8.5, 21.4)	12.7 (9.4, 16.1)
	Questioning / Not Sure	22.8 (15.6, 30)	18.3 (13.5, 23.1)

Appendix B: Demographic Tables

Appendix Table 4.3. Gambled in the past 30 days: Scratch-offs			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	3.4 (2.0, 4.8)	5.6 (4.5, 6.6)
	10 th Grade	4.6 (2.8, 6.4)	6.1 (4.7, 7.5)
	11 th Grade	4.1 (2.6, 5.6)	5.6 (4.0, 7.1)
	12 th Grade	5.2 (2.8, 7.6)	8.0 (5.8, 10.2)
Race & Ethnicity	Black	3.5* (1.9, 5.2)	3.9* (2.2, 5.6)
	White	5.0* (3.5, 6.6)	7.5* (6.6, 8.4)
	Asian	2.0* (0.3, 3.7)	2.2* (0.8, 3.6)
	Multiple Races	5.9* (2.7, 9.2)	4.9* (3.1, 6.8)
	Hispanic	10.6* (5.7, 15.4)	9.4* (5.9, 13.0)
Sex	Female	3.5 (2.5, 4.5)	6.1 (5.0, 7.2)
	Male	4.7 (3.0, 6.4)	6.3 (5.2, 7.4)
Gender Identity	Cisgender	4.1 (3.1, 5.2)	6.2 (5.4, 7.0)
	Transgender / Non-Binary	9.1 (0, 20.5)	7.2 (2.5, 12.0)
Sexual Orientation	Heterosexual	3.7 (2.5, 4.8)	6.2 (5.4, 7.1)
	Gay or Lesbian	7.9 (2.0, 13.8)	10.2 (4.0, 16.5)
	Bisexual	6.0 (1.7, 10.3)	4.6 (2.6, 6.6)
	Questioning / Not Sure	7.6 (2.9, 12.4)	7.5 (3.8, 11.2)

Appendix Table 4.4. Gambled in the past 30 days: Lottery tickets			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	1.7 (0.8, 2.6)	1.6 (1.0, 2.2)
	10 th Grade	2.3 (0.8, 3.7)	2.3 (1.4, 3.2)
	11 th Grade	1.1 (0.4, 1.9)	1.8 (1.0, 2.7)
	12 th Grade	0.4 (0, 0.8)	2.0 (0.7, 3.4)
Race & Ethnicity	Black	1.1 (0.6, 1.7)	1.6 (0.5, 2.6)
	White	1.6 (0.6, 2.5)	2.1 (1.7, 2.6)
	Asian	1.5 (0, 3.1)	1.1 (0, 2.1)
	Multiple Races	1.3 (0, 2.6)	1.3 (0.4, 2.1)
	Hispanic	3.3 (0.6, 6.0)	4.4 (1.9, 6.8)
Sex	Female	0.7* (0.2, 1.1)	1.7 (1.2, 2.2)
	Male	1.9* (1.2, 2.7)	2.2 (1.5, 2.8)
Gender Identity	Cisgender	1.2 (0.8, 1.6)	1.8* (1.4, 2.3)
	Transgender / Non-Binary	3.1 (0, 6.2)	3.1* (1.0, 5.3)
Sexual Orientation	Heterosexual	1.2* (0.7, 1.7)	1.8* (1.3, 2.3)
	Gay or Lesbian	5.1* (0.2, 10.1)	3.5* (1.3, 5.6)
	Bisexual	0.6* (0, 1.3)	0.8* (0.2, 1.5)
	Questioning / Not Sure	2.2* (0, 5.0)	5.7* (2.2, 9.2)

Appendix B: Demographic Tables

Appendix Table 4.5. Gambled in the past 30 days: Pull tabs			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	1.0 (0.2, 1.7)	0.4 (0.1, 0.7)
	10 th Grade	1.6 (0.5, 2.7)	1.1 (0.6, 1.5)
	11 th Grade	0.9 (0.2, 1.6)	0.9 (0.2, 1.6)
	12 th Grade	1.5 (0, 3.6)	1.2 (0.3, 2.1)
Race & Ethnicity	Black	1.4 (0.2, 2.7)	0.9 (0.2, 1.5)
	White	1.3 (0.4, 2.1)	0.9 (0.5, 1.2)
	Asian	0.5 (0, 1.4)	0.4 (0, 1.1)
	Multiple Races	0.8 (0, 1.7)	1.2 (0.3, 2.1)
	Hispanic	1.7 (0, 3.5)	3.0 (0.8, 5.3)
Sex	Female	0.4* (0, 0.7)	0.5* (0.2, 0.8)
	Male	2.1* (0.8, 3.5)	1.3* (0.8, 1.8)
Gender Identity	Cisgender	1.2 (0.5, 1.9)	0.9 (0.6, 1.2)
	Transgender / Non-Binary	2.0 (0, 4.6)	1.3 (0.1, 2.5)
Sexual Orientation	Heterosexual	1.1 (0.2, 2.0)	0.8 (0.5, 1.2)
	Gay or Lesbian	4.5 (0, 9.3)	1.8 (0.2, 3.5)
	Bisexual	1.0 (0, 2.1)	0.7 (0.1, 1.3)
	Questioning / Not Sure	0.3 (0, 0.8)	1.3 (0, 2.7)

Appendix Table 4.6. Gambled in the past 30 days: Dice or coin flips			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	3.9 (2.6, 5.1)	2.9 (2.1, 3.7)
	10 th Grade	3.2 (1.8, 4.5)	3.2 (2.1, 4.3)
	11 th Grade	3.9 (2.3, 5.4)	2.3 (1.4, 3.2)
	12 th Grade	1.4 (0.6, 2.3)	1.9 (0.8, 2.9)
Race & Ethnicity	Black	2.9 (2.0, 3.8)	3.1 (1.8, 4.3)
	White	3.0 (1.8, 4.2)	2.3 (1.9, 2.8)
	Asian	2.6 (0.7, 4.5)	1.7 (0.5, 2.9)
	Multiple Races	3.8 (1.6, 6.0)	3.3 (1.9, 4.8)
	Hispanic	3.3 (0.2, 6.3)	4.1 (1.6, 6.6)
Sex	Female	1.3* (0.6, 1.9)	1.4* (1.0, 1.9)
	Male	4.7* (3.5, 5.9)	3.7* (2.9, 4.6)
Gender Identity	Cisgender	3.0 (2.3, 3.7)	2.5 (2.0, 3.0)
	Transgender / Non-Binary	1.5 (0, 3.5)	2.6 (0.7, 4.6)
Sexual Orientation	Heterosexual	2.7* (2.0, 3.5)	2.6 (2.0, 3.2)
	Gay or Lesbian	6.8* (1.3, 12.3)	3.2 (1.2, 5.3)
	Bisexual	1.6* (0.3, 2.9)	2.2 (1.0, 3.4)
	Questioning / Not Sure	6.3* (1.9, 10.7)	2.7 (1.0, 4.5)

Appendix B: Demographic Tables

Appendix Table 4.7. Gambled in the past 30 days: Playing cards			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9th Grade	4.4 (2.7, 6.1)	3.3* (2.5, 4.1)
	10th Grade	5.1 (3.4, 6.8)	5.7* (4.4, 7.0)
	11th Grade	6.6 (3.8, 9.4)	6.9* (5.3, 8.6)
	12th Grade	3.3 (2.0, 4.5)	4.5* (3.2, 5.8)
Race & Ethnicity	Black	4.1 (2.5, 5.7)	4.2 (2.7, 5.7)
	White	5.4 (3.6, 7.2)	5.7 (4.9, 6.5)
	Asian	3.8 (1.5, 6.0)	3.0 (1.4, 4.5)
	Multiple Races	6.9 (3.4, 10.4)	6.4 (4.1, 8.6)
	Hispanic	5.7 (1.9, 9.5)	6.2 (3.5, 9.0)
Sex	Female	2.3* (1.5, 3.1)	1.9* (1.3, 2.4)
	Male	7.1* (5.4, 8.8)	8.5* (7.3, 9.6)
Gender Identity	Cisgender	4.7 (3.7, 5.7)	5.2 (4.5, 5.9)
	Transgender / Non-Binary	2.7 (0, 5.4)	3.3 (1.3, 5.4)
Sexual Orientation	Heterosexual	5.0 (3.7, 6.3)	5.8 (5.0, 6.7)
	Gay or Lesbian	7.9 (2.3, 13.6)	4.7 (2.4, 7.1)
	Bisexual	2.5 (1.0, 3.9)	2.6 (1.1, 4.1)
	Questioning / Not Sure	5.6 (1.3, 10)	4.9 (2.4, 7.5)

Appendix Table 4.8. Gambled in the past 30 days: Sports			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9th Grade	4.8 (3.2, 6.4)	5.0 (3.9, 6.1)
	10th Grade	6.9 (4.5, 9.2)	6.8 (5.3, 8.2)
	11th Grade	6.4 (3.5, 9.3)	7.7 (5.9, 9.5)
	12th Grade	4.1 (0.9, 7.3)	5.4 (3.5, 7.3)
Race & Ethnicity	Black	5.6 (3.9, 7.3)	5.4 (3.5, 7.2)
	White	5.5 (2.6, 8.5)	6.8 (5.8, 7.7)
	Asian	3.5 (1.5, 5.4)	3.5 (2.0, 5.1)
	Multiple Races	5.2 (2.9, 7.5)	6.1 (4.0, 8.1)
	Hispanic	10.3 (5.0, 15.6)	9.5 (5.9, 13.1)
Sex	Female	1.5* (0.8, 2.1)	1.7* (1.2, 2.2)
	Male	9.4* (7.2, 11.7)	10.8* (9.3, 12.2)
Gender Identity	Cisgender	5.7 (4.3, 7.0)	6.5* (5.7, 7.3)
	Transgender / Non-Binary	1.3 (0, 3.2)	1.9* (0.5, 3.2)
Sexual Orientation	Heterosexual	6.7* (4.9, 8.5)	7.6* (6.5, 8.6)
	Gay or Lesbian	5.8* (0.6, 10.9)	2.7* (0.8, 4.6)
	Bisexual	1.8* (0.6, 3.1)	1.6* (0.5, 2.6)
	Questioning / Not Sure	4.6* (0.6, 8.6)	3.8* (1.7, 5.9)

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Appendix Table 4.9. Gambled in the past 30 days: Horse or dog race			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	0.4 (0, 0.9)	0.6 (0.2, 0.9)
	10 th Grade	1.3 (0.3, 2.3)	0.6 (0.3, 1.0)
	11 th Grade	0.1 (0, 0.3)	0.2 (0, 0.5)
	12 th Grade	0.5 (0, 1.2)	0.8 (0.3, 1.3)
Race & Ethnicity	Black	0.6 (0.1, 1.0)	0.3 (0, 0.5)
	White	0.7 (0, 1.5)	0.6 (0.4, 0.9)
	Asian	-	-
	Multiple Races	0.8 (0, 1.7)	1.2 (0.3, 2.2)
	Hispanic	1.7 (0, 3.5)	2.1 (0.4, 3.9)
Sex	Female	0.2 (0, 0.6)	0.2* (0, 0.5)
	Male	1.0 (0.4, 1.6)	0.9* (0.6, 1.2)
Gender Identity	Cisgender	0.6 (0.2, 0.9)	0.5 (0.3, 0.7)
	Transgender / Non-Binary	1.8 (0, 3.9)	1.5 (0.3, 2.7)
Sexual Orientation	Heterosexual	0.3 (0.1, 0.5)	0.5 (0.3, 0.7)
	Gay or Lesbian	5.5 (0.5, 10.5)	2.1 (0.5, 3.8)
	Bisexual	-	-
	Questioning / Not Sure	1.2 (0, 3.2)	1.7 (0.1, 3.2)

Appendix Table 4.10. Gambled in the past 30 days: Games of skill			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	7.4 (5.3, 9.5)	5.4 (4.3, 6.5)
	10 th Grade	9.4 (7.1, 11.7)	7.1 (5.7, 8.6)
	11 th Grade	8.8 (3.7, 13.9)	7.2 (5.3, 9.2)
	12 th Grade	5.5 (2.5, 8.5)	4.3 (2.6, 6.0)
Race & Ethnicity	Black	7.9 (5.2, 10.7)	7.5 (5.4, 9.6)
	White	6.8 (4.3, 9.2)	5.4 (4.6, 6.2)
	Asian	8.0 (4.8, 11.3)	5.8 (3.6, 8.0)
	Multiple Races	7.6 (4.7, 10.5)	7.3 (4.9, 9.6)
	Hispanic	8.8 (3.9, 13.7)	6.6 (3.5, 9.7)
Sex	Female	3.2* (1.8, 4.7)	3.0* (2.2, 3.8)
	Male	12.1* (9.3, 14.8)	9.1* (7.8, 10.5)
Gender Identity	Cisgender	7.9 (6.2, 9.6)	6.0 (5.2, 6.8)
	Transgender / Non-Binary	2.9 (0, 6.1)	6.5 (3.2, 9.7)
Sexual Orientation	Heterosexual	8.0 (5.9, 10.2)	6.0 (5.1, 7.0)
	Gay or Lesbian	9.3 (3.1, 15.4)	6.4 (3.4, 9.5)
	Bisexual	5.7 (1.3, 10.2)	5.4 (2.8, 7.9)
	Questioning / Not Sure	12.1 (6.3, 17.9)	8.3 (4.7, 11.9)

Appendix B: Demographic Tables

Appendix Table 4.11. Gambled in the past 30 days: Bingo for money			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	1.5 (0.6, 2.5)	1.3 (0.7, 1.8)
	10 th Grade	2.1 (0.9, 3.2)	1.4 (0.6, 2.2)
	11 th Grade	1.4 (0.5, 2.3)	0.7 (0.3, 1.1)
	12 th Grade	2.4 (0.3, 4.6)	1.2 (0.3, 2.1)
Race & Ethnicity	Black	2.3 (0.9, 3.7)	1.4 (0.6, 2.3)
	White	1.3 (0.2, 2.4)	0.9 (0.6, 1.3)
	Asian	0.7 (0, 1.7)	0.5 (0, 1.1)
	Multiple Races	2.9 (0, 6.0)	2.6 (0.8, 4.3)
	Hispanic	2.7 (0, 5.4)	2.6 (0.7, 4.6)
Sex	Female	1.3 (0.6, 1.9)	0.8 (0.5, 1.2)
	Male	2.5 (1.1, 3.9)	1.5 (0.9, 2.0)
Gender Identity	Cisgender	1.9 (1.1, 2.7)	1.1 (0.8, 1.4)
	Transgender / Non-Binary	0.8 (0, 2.2)	1.6 (0.2, 3.0)
Sexual Orientation	Heterosexual	1.8 (0.9, 2.8)	1.0 (0.7, 1.4)
	Gay or Lesbian	4.5 (0, 9.3)	2.2 (0.4, 4.0)
	Bisexual	0.7 (0, 1.4)	0.9 (0.2, 1.6)
	Questioning / Not Sure	3.6 (0.1, 7.0)	2.1 (0.5, 3.7)

Appendix Table 4.12. Gambled in the past 30 days: Internet			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	1.9 (0.9, 2.9)	1.6 (0.9, 2.4)
	10 th Grade	3.2 (1.6, 4.8)	3.1 (2.0, 4.2)
	11 th Grade	1.7 (0.7, 2.7)	2.1 (1.1, 3.1)
	12 th Grade	3.0 (0.6, 5.3)	2.0 (0.9, 3.0)
Race & Ethnicity	Black	2.7 (1.2, 4.2)	2.6 (1.4, 3.8)
	White	1.8 (0.7, 3.0)	1.8 (1.3, 2.4)
	Asian	2.7 (0.5, 4.9)	2.5 (0.8, 4.1)
	Multiple Races	2.7 (0.9, 4.5)	4.1 (2.4, 5.8)
	Hispanic	3.8 (0.3, 7.3)	4.2 (1.7, 6.6)
Sex	Female	0.9* (0.3, 1.5)	0.8* (0.4, 1.1)
	Male	3.7* (2.2, 5.2)	3.6* (2.7, 4.5)
Gender Identity	Cisgender	2.4 (1.5, 3.2)	2.1 (1.6, 2.6)
	Transgender / Non-Binary	0.8 (0, 2.2)	2.9 (0.8, 5.1)
Sexual Orientation	Heterosexual	2.4 (1.4, 3.5)	2.2* (1.6, 2.8)
	Gay or Lesbian	5.0 (0.1, 9.9)	2.7* (0.8, 4.7)
	Bisexual	0.9 (0, 1.8)	0.8* (0, 1.5)
	Questioning / Not Sure	2.9 (0, 6.3)	4.7* (1.8, 7.7)

Appendix Table 4.13. Gambled in the past 30 days: Other			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	2.3* (1.1, 3.4)	2.7* (1.7, 3.7)
	10 th Grade	4.9* (3.1, 6.7)	4.6* (3.3, 6.0)
	11 th Grade	3.8* (2.3, 5.3)	2.8* (1.7, 4.0)
	12 th Grade	1.9* (0.7, 3.0)	1.6* (1.0, 2.3)
Race & Ethnicity	Black	2.9 (1.8, 3.9)	3.6 (2.2, 5.0)
	White	3.8 (2.5, 5.1)	2.8 (2.1, 3.4)
	Asian	1.3 (0, 2.7)	1.3 (0.2, 2.4)
	Multiple Races	3.1 (1.2, 4.9)	4.2 (1.9, 6.5)
	Hispanic	7.1 (2.6, 11.6)	6.3 (3.2, 9.4)
Sex	Female	1.6* (0.8, 2.3)	1.1 (0.7, 1.4)
	Male	4.8* (3.6, 6.1)	4.9 (3.9, 5.9)
Gender Identity	Cisgender	3.2 (2.5, 4.0)	2.9* (2.3, 3.4)
	Transgender / Non-Binary	2.4 (0, 5.4)	5.3* (2.4, 8.3)
Sexual Orientation	Heterosexual	3.0 (2.2, 3.7)	3.0 (2.4, 3.6)
	Gay or Lesbian	5.2 (0.2, 10.2)	2.9 (0.8, 4.9)
	Bisexual	3.5 (1.6, 5.3)	3.0 (1.4, 4.6)
	Questioning / Not Sure	2.9 (0, 6.0)	3.0 (1.0, 5.0)

Appendix B: Demographic Tables

Appendix Table 5.1. Rarely or never wore a seatbelt			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9th Grade	13.0 (10.8, 15.2)	6.9 (5.7, 8.2)
	10th Grade	12.2 (9.6, 14.9)	6.7 (5.3, 8.1)
	11th Grade	11.0 (7.9, 14.1)	6.1 (4.4, 7.7)
	12th Grade	9.8 (6.0, 13.7)	5.8 (3.8, 7.9)
Race & Ethnicity	Black	13.1 (11.1, 15.1)	11.3* (9.4, 13.2)
	White	8.3 (4.1, 12.4)	3.3* (2.4, 4.1)
	Asian	11.8 (8.0, 15.6)	13.2* (9.5, 16.8)
	Multiple Races	12.1 (7.8, 16.3)	9.6* (6.9, 12.4)
	Hispanic	11.7 (6.5, 16.9)	11.5* (7.6, 15.4)
Sex	Female	9.6* (8.0, 11.2)	6.0 (5.0, 7.0)
	Male	13.2* (10.6, 15.8)	6.8 (5.8, 7.9)
Gender Identity	Cisgender	11.6 (9.9, 13.4)	6.3 (5.5, 7.1)
	Transgender / Non-Binary	6.5 (2.6, 10.4)	8.7 (4.5, 12.8)
Sexual Orientation	Heterosexual	11.9* (9.4, 14.4)	6.1 (5.2, 7.0)
	Gay or Lesbian	10.1* (3.5, 16.7)	4.7 (2.2, 7.2)
	Bisexual	5.2* (3.1, 7.4)	5.2 (3.1, 7.3)
	Questioning / Not Sure	10.7* (5.1, 16.3)	5.8 (3.4, 8.3)

Appendix 5.2. Rode with a driver who had been drinking alcohol			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9th Grade	14.2 (11.6, 16.7)	11.6 (10, 13.3)
	10th Grade	14.8 (11.6, 18.0)	10.5 (8.9, 12.1)
	11th Grade	13.5 (9.9, 17.1)	9.8 (7.8, 11.7)
	12th Grade	15.9 (11.3, 20.4)	11.8 (9.2, 14.3)
Race & Ethnicity	Black	15.4 (12.6, 18.1)	13.1* (10.9, 15.3)
	White	12.4 (9.3, 15.4)	9.3* (8.3, 10.4)
	Asian	16.5 (11.2, 21.8)	13.7* (9.6, 17.8)
	Multiple Races	14.6 (9.6, 19.5)	12.6* (9.4, 15.9)
	Hispanic	16.2 (9.7, 22.8)	17.8* (13.0, 22.5)
Sex	Female	15.6 (12.5, 18.8)	11.9 (10.4, 13.3)
	Male	13.7 (11.4, 15.9)	10.0 (8.8, 11.3)
Gender Identity	Cisgender	14.8 (12.9, 16.6)	10.8 (9.9, 11.8)
	Transgender / Non-Binary	11.8 (6.4, 17.2)	13.1 (8.1, 18.1)
Sexual Orientation	Heterosexual	14.7 (12.2, 17.1)	9.7* (8.7, 10.8)
	Gay or Lesbian	18.9 (11.1, 26.6)	15.8* (9.7, 21.9)
	Bisexual	11.3 (8.0, 14.5)	10.7* (8.1, 13.4)
	Questioning / Not Sure	19.6 (12.5, 26.6)	15.4* (10.1, 20.7)

Appendix Table 5.3. Drove after drinking alcohol			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	16.1 (6.9, 25.3)	18.7* (8.9, 28.5)
	10 th Grade	11.6 (6.8, 16.3)	4.2* (2.8, 5.6)
	11 th Grade	7.6 (1.3, 13.9)	2.2* (0.9, 3.5)
	12 th Grade	5.1 (2.5, 7.8)	4.2* (2.0, 6.4)
Race & Ethnicity	Black	9.7* (4.4, 15.0)	8.5* (4.4, 12.7)
	White	2.7* (0.9, 4.4)	2.2* (1.5, 2.9)
	Asian	14.0* (6.5, 21.5)	15.9* (6.7, 25.0)
	Multiple Races	10.7* (3.0, 18.3)	6.4* (2.3, 10.5)
	Hispanic	19.3* (9.3, 29.4)	14.3* (8.2, 20.5)
Sex	Female	7.2 (2.3, 12.1)	4.4 (2.6, 6.2)
	Male	8.8 (6.0, 11.6)	4.1 (3.0, 5.3)
Gender Identity	Cisgender	7.9 (5.2, 10.7)	4.0* (2.9, 5.1)
	Transgender / Non-Binary	13.2 (1.1, 25.3)	12.0* (3.5, 20.5)
Sexual Orientation	Heterosexual	8.3 (4.8, 11.7)	3.4 (2.4, 4.4)
	Gay or Lesbian	7.0 (0, 14.8)	3.0 (0.3, 5.7)
	Bisexual	3.1 (0.5, 5.8)	2.9 (0.5, 5.2)
	Questioning / Not Sure	7.9 (0, 17.1)	7.9 (2.2, 13.6)

Appendix Table 5.4. Texted or emailed while driving			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	28.0* (18.2, 37.7)	22.9* (11.3, 34.4)
	10 th Grade	16.1* (10.1, 22.1)	13.9* (11.1, 16.7)
	11 th Grade	20.4* (13.1, 27.7)	34.0* (28.9, 39.1)
	12 th Grade	33.7* (27.1, 40.2)	40.3* (35.0, 45.5)
Race & Ethnicity	Black	26.5 (19.8, 33.2)	26.0 (18.5, 33.5)
	White	24.1 (17.6, 30.7)	32.8 (29.2, 36.5)
	Asian	29.2 (15.6, 42.8)	32.4 (22.1, 42.7)
	Multiple Races	23.2 (14.9, 31.4)	29.5 (22.7, 36.4)
	Hispanic	26.4 (12.1, 40.6)	28.6 (19.6, 37.7)
Sex	Female	24.3 (17.8, 30.8)	33.2 (28.5, 37.8)
	Male	26.3 (20, 32.6)	30 (26.2, 33.8)
Gender Identity	Cisgender	26.0 (21.9, 30)	31.7 (28.5, 34.9)
	Transgender / Non-Binary	19.1 (3.4, 34.8)	29.7 (16.8, 42.6)
Sexual Orientation	Heterosexual	25.5 (20.5, 30.6)	32.4 (28.7, 36.1)
	Gay or Lesbian	33.6 (17.1, 50)	34.8 (22.8, 46.7)
	Bisexual	27.3 (15.8, 38.8)	29.0 (22.0, 35.9)
	Questioning / Not Sure	27.7 (13.0, 42.4)	24.1 (12.9, 35.3)

Appendix B: Demographic Tables

Appendix Table 5.5. Had a concussion from playing sports or physical activity			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9th Grade	23.7* (19.6, 27.9)	17.2 (14.8, 19.5)
	10th Grade	19.0* (15.9, 22.0)	14.0 (12.0, 16.0)
	11th Grade	17.6* (13.6, 21.5)	13.8 (11.7, 15.9)
	12th Grade	11.8* (7.8, 15.7)	12.4 (9.5, 15.3)
Race & Ethnicity	Black	18.3* (15.4, 21.1)	17.2* (14.6, 19.8)
	White	12.8* (9.5, 16.1)	12.3* (11.0, 13.6)
	Asian	21.0* (15.4, 26.7)	19.3* (14.8, 23.8)
	Multiple Races	22.8* (15.6, 30)	17.5* (13.4, 21.5)
	Hispanic	28.5* (21.5, 35.6)	21.3* (16.4, 26.2)
Sex	Female	14.0* (11.8, 16.2)	12.4* (10.9, 13.9)
	Male	20.8* (18.1, 23.5)	16.3* (14.6, 18.0)
Gender Identity	Cisgender	17.7 (15.5, 19.9)	14.5 (13.3, 15.7)
	Transgender / Non-Binary	17.8 (6.7, 28.8)	14.5 (8.8, 20.2)
Sexual Orientation	Heterosexual	17.3 (14.3, 20.2)	14.3 (12.9, 15.6)
	Gay or Lesbian	16.1 (9.8, 22.3)	9.9 (6.0, 13.8)
	Bisexual	12.9 (7.8, 18.0)	12.3 (9.1, 15.6)
	Questioning / Not Sure	19.2 (10.8, 27.5)	12.4 (6.3, 18.6)

Appendix B: Demographic Tables

Appendix Table 6.1.A. Carried a weapon			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	12.0 (9.6, 14.3)	8.8 (7.4, 10.1)
	10 th Grade	11.4 (9.1, 13.7)	7.8 (6.5, 9.2)
	11 th Grade	12.6 (8.8, 16.5)	8.6 (6.7, 10.4)
	12 th Grade	10.2 (6.3, 14.2)	9.2 (6.8, 11.6)
Race & Ethnicity	Black	9.0* (6.7, 11.3)	7.4* (5.3, 9.4)
	White	15.5* (12.2, 18.9)	8.7* (7.6, 9.7)
	Asian	4.0* (2.0, 6.0)	4.9* (2.0, 7.8)
	Multiple Races	14.7* (10.8, 18.6)	14.4* (11.1, 17.8)
	Hispanic	21.8* (15.2, 28.3)	16.5* (12.3, 20.8)
Sex	Female	7.1* (5.2, 9.0)	5.6* (4.5, 6.7)
	Male	15.9* (13.3, 18.6)	11.6* (10.3, 12.8)
Gender Identity	Cisgender	11.4 (9.6, 13.1)	8.3* (7.3, 9.2)
	Transgender / Non-Binary	14.7 (8.3, 21.2)	16.9* (11.4, 22.4)
Sexual Orientation	Heterosexual	11.3 (9.2, 13.5)	7.5 (6.6, 8.4)
	Gay or Lesbian	10.2 (4.4, 16.0)	11.9 (4.8, 18.9)
	Bisexual	12.4 (8.8, 16.0)	11.8 (8.5, 15.2)
	Questioning / Not Sure	20.8 (12.4, 29.2)	11.9 (7.1, 16.7)

Appendix Table 6.1.B. In a physical fight			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	32.3 (28.2, 36.4)	22.7* (20.2, 25.3)
	10 th Grade	28.2 (23.7, 32.7)	20.5* (17.8, 23.2)
	11 th Grade	24.9 (21.2, 28.5)	15.2* (12.8, 17.6)
	12 th Grade	22.9 (17.5, 28.2)	16.4* (13.0, 19.7)
Race & Ethnicity	Black	34.1* (30.8, 37.3)	30.8* (27.6, 33.9)
	White	17.4* (13.8, 21.1)	12.6* (11.3, 13.8)
	Asian	14.5* (9.7, 19.4)	16.0* (11.9, 20.2)
	Multiple Races	31.4* (24.0, 38.9)	26.7* (21.9, 31.4)
	Hispanic	26.6* (18.7, 34.4)	25.6* (20.4, 30.7)
Sex	Female	24.9 (21.6, 28.1)	14.9* (13.2, 16.6)
	Male	29.3 (26.1, 32.5)	22.6* (20.7, 24.4)
Gender Identity	Cisgender	27.5 (25.0, 30)	18.6 (17.3, 20)
	Transgender / Non-Binary	18.8 (11.8, 25.8)	22.5 (16.1, 28.9)
Sexual Orientation	Heterosexual	27.3 (24.3, 30.3)	17.9 (16.5, 19.3)
	Gay or Lesbian	29.5 (17.4, 41.6)	25.0 (16.7, 33.3)
	Bisexual	20.3 (15.6, 25.1)	15.4 (12.3, 18.5)
	Questioning / Not Sure	25.4 (16.9, 33.8)	17.6 (12.0, 23.1)

Appendix B: Demographic Tables

Appendix Table 6.1.C. Could get a loaded gun without a parent's permission			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	21.5 (17.5, 25.4)	23.4 (21.1, 25.7)
	10 th Grade	21.7 (18.5, 25.0)	22.8 (20.6, 24.9)
	11 th Grade	21.8 (17.2, 26.4)	26.1 (23.5, 28.8)
	12 th Grade	24.7 (20.6, 28.8)	24.7 (21.5, 28.0)
Race & Ethnicity	Black	18.2* (15.1, 21.3)	19.8* (16.8, 22.9)
	White	30.9* (26.2, 35.7)	26.9* (25.3, 28.5)
	Asian	9.1* (5.9, 12.4)	11.5* (7.9, 15.0)
	Multiple Races	25.8* (18.7, 33.0)	26.6* (22.0, 31.2)
	Hispanic	30.1* (24.0, 36.3)	25.0* (20.2, 29.8)
Sex	Female	17.8* (15.1, 20.5)	21.3* (19.4, 23.1)
	Male	27.1* (24.1, 30.2)	27.3* (25.3, 29.2)
Gender Identity	Cisgender	22.3 (20.1, 24.4)	24.1 (22.8, 25.5)
	Transgender / Non-Binary	27.3 (18.4, 36.1)	26.9 (20.7, 33.1)
Sexual Orientation	Heterosexual	22.1 (19.3, 24.9)	23.5 (22.0, 24.9)
	Gay or Lesbian	22.4 (13.4, 31.4)	27.6 (20, 35.2)
	Bisexual	22.4 (16.9, 28.0)	25.9 (21.5, 30.2)
	Questioning / Not Sure	27.5 (19.2, 35.8)	32.4 (24.7, 40)

Appendix Table 6.1.D. Could get a loaded gun within 24 hours without a parent's permission			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	67.2 (59.2, 75.1)	65.5 (59.7, 71.4)
	10 th Grade	69.5 (62.7, 76.2)	63.7 (58.2, 69.3)
	11 th Grade	70.9 (63.3, 78.5)	70.6 (65.0, 76.2)
	12 th Grade	63.2 (52.5, 73.8)	69.9 (63.5, 76.2)
Race & Ethnicity	Black	70 (61.5, 78.5)	66.1 (57.9, 74.2)
	White	63.7 (56.3, 71.2)	68.4 (65.0, 71.7)
	Asian	57.5 (37.2, 77.9)	55.0 (36.5, 73.5)
	Multiple Races	68.1 (54.1, 82.0)	67.0 (58.2, 75.7)
	Hispanic	82.3 (72.1, 92.4)	74.6 (65.2, 84.1)
Sex	Female	70.6 (64.3, 76.8)	71.0 (66.6, 75.4)
	Male	65.4 (59.6, 71.3)	65.0 (61.1, 68.9)
Gender Identity	Cisgender	67.5 (62.7, 72.2)	68.0 (64.9, 71.0)
	Transgender / Non-Binary	64.6 (46.8, 82.5)	56.3 (42.9, 69.6)
Sexual Orientation	Heterosexual	67.7 (61.4, 74.0)	66.8 (63.3, 70.4)
	Gay or Lesbian	75.6 (60.1, 91.1)	70.2 (53.4, 87.0)
	Bisexual	63.1 (50.6, 75.6)	69.4 (60.8, 78.1)
	Questioning / Not Sure	78.0 (60.2, 95.8)	75.3 (62.8, 87.8)

Appendix Table 6.1.E. Did not go to school because they felt unsafe at or on the way to or from school			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	17.4 (14.1, 20.7)	11.5 (9.5, 13.4)
	10 th Grade	17.8 (14.6, 20.9)	11.9 (9.9, 13.8)
	11 th Grade	15.9 (13.0, 18.9)	9.2 (7.4, 11.0)
	12 th Grade	15.7 (11.5, 19.8)	11.6 (7.3, 15.9)
Race & Ethnicity	Black	17.4 (15.0, 19.8)	15.1* (11.7, 18.5)
	White	15.4 (12.3, 18.4)	8.5* (7.6, 9.5)
	Asian	15.3 (9.9, 20.8)	13.3* (9.0, 17.5)
	Multiple Races	15.9 (11.3, 20.5)	13.6* (10.2, 17.0)
	Hispanic	23.1 (16.6, 29.6)	17.0* (12.7, 21.3)
Sex	Female	18.7 (16.1, 21.3)	12.8* (10.9, 14.6)
	Male	14.2 (12.2, 16.2)	9.0* (7.8, 10.1)
Gender Identity	Cisgender	15.9 (14.4, 17.4)	10.4* (9.2, 11.6)
	Transgender / Non-Binary	21.1 (9.9, 32.3)	21.4* (14.6, 28.3)
Sexual Orientation	Heterosexual	14.2* (12.3, 16.0)	8.7* (7.7, 9.8)
	Gay or Lesbian	22.8* (14.8, 30.9)	17.3* (11.7, 22.8)
	Bisexual	22.6* (16.1, 29.1)	15.2* (11.9, 18.5)
	Questioning / Not Sure	20.8* (13.1, 28.6)	12.3* (8.1, 16.5)

Appendix Table 6.1.F. Rarely or never feel safe and secure at school			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	20.7 (17.0, 24.4)	10.6 (8.7, 12.6)
	10 th Grade	21.4 (17.5, 25.3)	13.6 (11.6, 15.7)
	11 th Grade	19.7 (15.7, 23.7)	10.7 (8.7, 12.8)
	12 th Grade	24.0 (18.9, 29.1)	13.2 (10, 16.5)
Race & Ethnicity	Black	23.9 (20.7, 27.0)	18.6* (15.5, 21.7)
	White	19.2 (14.3, 24.0)	8.8* (7.6, 10)
	Asian	14.2 (8.6, 19.9)	12.3* (8.3, 16.3)
	Multiple Races	20.4 (14.4, 26.3)	13.9* (10.4, 17.4)
	Hispanic	31.7 (23.0, 40.3)	20.2* (14.5, 25.8)
Sex	Female	19.4 (16.6, 22.2)	11.4 (9.8, 13.0)
	Male	23.7 (20.7, 26.7)	12.4 (11.0, 13.9)
Gender Identity	Cisgender	21.3 (18.9, 23.7)	11.6 (10.4, 12.8)
	Transgender / Non-Binary	19.4 (10.8, 28.0)	14.1 (9.5, 18.8)
Sexual Orientation	Heterosexual	20.6 (18.4, 22.7)	11.3 (10, 12.5)
	Gay or Lesbian	23.8 (16.0, 31.7)	11.1 (7.5, 14.8)
	Bisexual	22.3 (16.1, 28.4)	14.6 (10.8, 18.4)
	Questioning / Not Sure	22.0 (14.5, 29.4)	11.6 (7.5, 15.7)

Appendix B: Demographic Tables

Appendix Table 6.2.A. Physically hurt on purpose by someone they were dating or going out with			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9th Grade	13.7 (10.2, 17.1)	9.7 (7.5, 11.9)
	10th Grade	12.3 (9.3, 15.3)	8.5 (6.5, 10.4)
	11th Grade	12.7 (9.5, 15.9)	8.8 (6.7, 10.9)
	12th Grade	16.6 (11.1, 22.1)	9.8 (6.8, 12.9)
Race & Ethnicity	Black	14.2 (10.9, 17.5)	11.1* (7.9, 14.2)
	White	13.4 (8.5, 18.2)	7.6* (6.3, 9.0)
	Asian	8.7 (0, 17.4)	11.3* (2.6, 20)
	Multiple Races	18.9 (12.4, 25.4)	14.9* (10.3, 19.5)
	Hispanic	14.1 (7.0, 21.1)	12.5* (7.7, 17.3)
Sex	Female	14.2 (10.9, 17.5)	10.5 (8.6, 12.4)
	Male	13.8 (10.5, 17.1)	7.8 (6.3, 9.4)
Gender Identity	Cisgender	13.6 (11.3, 15.9)	8.7* (7.4, 9.9)
	Transgender / Non-Binary	17.6 (8.1, 27.2)	19.8* (11.0, 28.7)
Sexual Orientation	Heterosexual	10.5* (7.5, 13.5)	6.4* (5.2, 7.6)
	Gay or Lesbian	19.7* (7.9, 31.5)	25.2* (12.2, 38.2)
	Bisexual	17.6* (8.9, 26.2)	14.9* (10.6, 19.3)
	Questioning / Not Sure	30.3* (17.0, 43.6)	20.7* (12.4, 29.1)

Appendix Table 6.3.A. Ever bullied			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	29.7* (26.3, 33.1)	29.2* (26.8, 31.7)
	10 th Grade	24.9* (21.7, 28.2)	24.2* (21.9, 26.5)
	11 th Grade	19.1* (15.0, 23.2)	21.7* (19.1, 24.3)
	12 th Grade	21.9* (15.7, 28.1)	20.6* (17.1, 24.2)
Race & Ethnicity	Black	17.0* (13.5, 20.4)	16.6* (13.6, 19.6)
	White	33.7* (29.4, 38.0)	27.0* (25.3, 28.6)
	Asian	17.2* (11.9, 22.5)	17.8* (13.6, 21.9)
	Multiple Races	32.6* (26.4, 38.8)	32.7* (28.3, 37.0)
	Hispanic	29.4* (21.7, 37.1)	27.6* (22.0, 33.2)
Sex	Female	27.0* (23.5, 30.6)	28.4* (26.4, 30.4)
	Male	20.4* (17.7, 23.1)	19.7* (18.0, 21.5)
Gender Identity	Cisgender	22.4* (19.8, 25.1)	22.7* (21.3, 24.1)
	Transgender / Non-Binary	39.2* (28.5, 50)	49.4* (41.2, 57.6)
Sexual Orientation	Heterosexual	19.9* (16.9, 22.9)	20.4* (18.9, 21.9)
	Gay or Lesbian	32.7* (22.9, 42.6)	41.1* (32.9, 49.3)
	Bisexual	34.1* (27.4, 40.8)	37.8* (33.2, 42.4)
	Questioning / Not Sure	38.2* (29.2, 47.1)	35.0* (28.0, 42.0)

Appendix Table 6.3.B. Ever bullied on school property			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	23.3* (20.5, 26.2)	22.9* (20.5, 25.2)
	10 th Grade	17.9* (15.1, 20.8)	18.1* (16.0, 20.2)
	11 th Grade	14.4* (10.7, 18.2)	15.1* (12.7, 17.5)
	12 th Grade	14.1* (9.2, 19.0)	12.9* (10.5, 15.4)
Race & Ethnicity	Black	13.2* (10, 16.4)	11.7* (9.3, 14.0)
	White	24.1* (20.4, 27.7)	19.7* (18.2, 21.2)
	Asian	10.6* (6.5, 14.8)	11.2* (7.8, 14.6)
	Multiple Races	22.4* (16.5, 28.4)	25.2* (20.9, 29.5)
	Hispanic	20.0* (13.9, 26.2)	19.3* (14.1, 24.4)
Sex	Female	20.0* (16.6, 23.3)	19.9* (18.1, 21.6)
	Male	14.5* (12.3, 16.8)	15.0* (13.5, 16.5)
Gender Identity	Cisgender	16.4* (14.2, 18.7)	16.3* (15.1, 17.5)
	Transgender / Non-Binary	27.9* (18.9, 36.8)	40.8* (32.9, 48.7)
Sexual Orientation	Heterosexual	14.0* (11.4, 16.6)	14.7* (13.3, 16.0)
	Gay or Lesbian	25.3* (16.3, 34.3)	31.3* (23.9, 38.6)
	Bisexual	25.5* (18.9, 32.0)	26.2* (22.1, 30.2)
	Questioning / Not Sure	23.3* (20.5, 26.2)	22.9* (20.5, 25.2)

Appendix B: Demographic Tables

Appendix Table 6.3.C. Ever bullied away from school property			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	11.7 (9.3, 14.1)	13.4* (11.6, 15.1)
	10 th Grade	12.5 (10, 15.0)	12.5* (10.8, 14.2)
	11 th Grade	10.1 (6.8, 13.4)	11.2* (9.1, 13.4)
	12 th Grade	9.3 (4.9, 13.8)	8.4* (6.1, 10.6)
Race & Ethnicity	Black	6.5* (4.5, 8.5)	6.9* (5.1, 8.8)
	White	18.0* (14.3, 21.7)	13.4* (12.1, 14.6)
	Asian	5.9* (2.4, 9.4)	6.7* (4.0, 9.4)
	Multiple Races	13.0* (8.9, 17.0)	15.9* (12.7, 19.2)
	Hispanic	13.6* (8.2, 18.9)	11.8* (8.1, 15.5)
Sex	Female	12.6 (9.5, 15.7)	14.3* (12.7, 15.9)
	Male	9.0 (7.2, 10.9)	8.7* (7.6, 9.8)
Gender Identity	Cisgender	9.7* (7.7, 11.8)	10.7* (9.6, 11.7)
	Transgender / Non-Binary	23.5* (14.7, 32.3)	27.4* (20.2, 34.5)
Sexual Orientation	Heterosexual	8.4* (6.6, 10.2)	9.1* (8.1, 10.2)
	Gay or Lesbian	17.2* (9.5, 24.9)	22.6* (16.0, 29.3)
	Bisexual	17.6* (12.1, 23.2)	19.2* (15.6, 22.8)
	Questioning / Not Sure	18.7* (10.4, 27.1)	17.1* (12.0, 22.1)

Appendix Table 6.3.D. Ever electronically bullied			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	16.3 (13.1, 19.6)	16.2 (14.2, 18.2)
	10 th Grade	16.0 (13.4, 18.6)	15.1 (13.3, 16.9)
	11 th Grade	11.5 (8.0, 14.9)	14.7 (12.4, 17.0)
	12 th Grade	14.9 (8.9, 20.9)	13.8 (10.3, 17.4)
Race & Ethnicity	Black	9.8* (6.7, 12.9)	10.4* (7.7, 13.2)
	White	22.3* (18.2, 26.3)	17.1* (15.7, 18.5)
	Asian	11.7* (6.3, 17.1)	9.4* (5.7, 13.0)
	Multiple Races	19.3* (14.5, 24.1)	18.9* (15.5, 22.3)
	Hispanic	17.2* (11.2, 23.3)	16.1* (11.8, 20.3)
Sex	Female	17.4* (13.9, 20.8)	19.2* (17.3, 21.2)
	Male	11.8* (9.6, 14.1)	10.8* (9.5, 12.1)
Gender Identity	Cisgender	13.4* (11.1, 15.7)	14.1* (12.9, 15.3)
	Transgender / Non-Binary	30.5* (21.1, 39.8)	32.2* (25.4, 39.0)
Sexual Orientation	Heterosexual	12.1* (9.5, 14.7)	12.4* (11.2, 13.6)
	Gay or Lesbian	20.6* (13.0, 28.3)	24.8* (18.0, 31.6)
	Bisexual	23.6* (17.5, 29.6)	26.6* (22.4, 30.8)
	Questioning / Not Sure	28.0* (19.0, 36.9)	21.3* (15.6, 27.0)

Appendix Table 6.3.E. Teased or name called for any reason			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	39.7 (35.5, 43.9)	37.9* (35.1, 40.7)
	10 th Grade	34.1 (30.5, 37.7)	31.1* (28.4, 33.8)
	11 th Grade	30.5 (25.5, 35.5)	31.1* (28.1, 34.2)
	12 th Grade	31.0 (26.3, 35.8)	30.1* (26.4, 33.7)
Race & Ethnicity	Black	27.6* (24.2, 30.9)	28.6* (25.2, 32.0)
	White	39.5* (34.9, 44.1)	33.2* (31.4, 35.0)
	Asian	35.4* (28.7, 42.0)	32.7* (27.7, 37.6)
	Multiple Races	45.1* (38.5, 51.7)	44.3* (39.7, 48.8)
	Hispanic	37.5* (30.3, 44.8)	39.2* (33.5, 44.8)
Sex	Female	38.4* (35.3, 41.6)	36.3* (34.3, 38.3)
	Male	28.7* (25.9, 31.5)	28.8* (26.9, 30.7)
Gender Identity	Cisgender	32.0* (29.5, 34.4)	31.0* (29.6, 32.5)
	Transgender / Non-Binary	57.3* (45.8, 68.8)	68.2* (61.3, 75.2)
Sexual Orientation	Heterosexual	28.3* (25.4, 31.3)	27.6* (26.1, 29.2)
	Gay or Lesbian	48.8* (36.7, 60.9)	56.3* (48.6, 64.0)
	Bisexual	45.2* (39.0, 51.5)	48.6* (44.0, 53.2)
	Questioning / Not Sure	52.1* (43.6, 60.6)	50.0* (42.1, 58.0)

Appendix Table 6.3.F. Teased or name called for weight			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	20.1 (17.3, 22.9)	17.9 (15.7, 20)
	10 th Grade	21.0 (18.2, 23.8)	16.0 (13.9, 18.2)
	11 th Grade	19.3 (15.9, 22.8)	15.6 (13.2, 17.9)
	12 th Grade	17.0 (12.0, 22.0)	15.4 (12.4, 18.4)
Race & Ethnicity	Black	15.9* (13.4, 18.4)	16.0 (13.5, 18.5)
	White	22.2* (18.5, 26.0)	15.8 (14.4, 17.2)
	Asian	20.4* (13.4, 27.3)	17.3 (12.6, 22.0)
	Multiple Races	25.6* (20.1, 31.1)	21.9 (18.0, 25.8)
	Hispanic	22.1* (15.5, 28.8)	19.4 (14.5, 24.3)
Sex	Female	23.0* (19.3, 26.6)	18.5* (16.8, 20.1)
	Male	15.5* (13.4, 17.6)	14.0* (12.5, 15.5)
Gender Identity	Cisgender	18.3* (16.2, 20.4)	15.7* (14.5, 16.9)
	Transgender / Non-Binary	31.5* (22.9, 40)	26.6* (20.3, 32.9)
Sexual Orientation	Heterosexual	16.5* (14.2, 18.9)	14.1* (12.8, 15.4)
	Gay or Lesbian	22.8* (14.7, 30.8)	20.9* (14.3, 27.6)
	Bisexual	27.4* (21.0, 33.7)	24.6* (20.7, 28.4)
	Questioning / Not Sure	34.9* (25.7, 44.0)	28.8* (21.1, 36.5)

Appendix B: Demographic Tables

Appendix Table 6.3.G. Teased or name called for gender			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	8.1 (6.3, 9.9)	5.2 (4.2, 6.3)
	10 th Grade	6.5 (4.6, 8.4)	5.3 (4.1, 6.4)
	11 th Grade	3.7 (2.4, 5.0)	4.8 (3.4, 6.3)
	12 th Grade	4.7 (2.3, 7.1)	5.5 (3.8, 7.3)
Race & Ethnicity	Black	3.5* (2.6, 4.4)	3.1* (1.9, 4.3)
	White	9.7* (6.9, 12.4)	6.0* (5.1, 7.0)
	Asian	3.3* (0.2, 6.5)	2.7* (0.6, 4.8)
	Multiple Races	6.4* (3.9, 9.0)	7.4* (4.7, 10.2)
	Hispanic	5.0* (1.8, 8.2)	4.4* (2.3, 6.6)
Sex	Female	7.5* (5.8, 9.2)	7.3* (6.2, 8.4)
	Male	3.9* (2.8, 4.9)	2.8* (2.1, 3.5)
Gender Identity	Cisgender	3.6* (2.9, 4.3)	3.2* (2.7, 3.7)
	Transgender / Non-Binary	35.9* (25.7, 46.0)	47.5* (40.3, 54.7)
Sexual Orientation	Heterosexual	2.4* (1.7, 3.1)	2.0* (1.5, 2.4)
	Gay or Lesbian	19.9* (11.8, 28.1)	22.3* (15.5, 29.0)
	Bisexual	10.2* (6.0, 14.3)	14.4* (10.9, 17.9)
	Questioning / Not Sure	13.9* (6.4, 21.4)	12.0* (6.9, 17.2)

Appendix Table 6.3.H. Teased or name called for religion			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	4.6 (3.4, 5.9)	3.5 (2.7, 4.3)
	10 th Grade	5.3 (3.9, 6.7)	4.3 (3.2, 5.3)
	11 th Grade	4.4 (2.8, 6.0)	3.9 (2.8, 5.1)
	12 th Grade	3.8 (1.7, 5.9)	3.5 (2.0, 5.0)
Race & Ethnicity	Black	2.2* (1.4, 3.0)	2.1* (1.0, 3.2)
	White	4.9* (3.5, 6.3)	3.7* (3.0, 4.4)
	Asian	13.4* (7.9, 18.9)	10.9* (7.1, 14.6)
	Multiple Races	7.6* (4.1, 11.1)	7.4* (4.6, 10.3)
	Hispanic	7.9 (3.8, 12.0)	7.7* (4.8, 10.6)
Sex	Female	3.7 (2.6, 4.9)	3.5 (2.7, 4.4)
	Male	5.4 (4.3, 6.5)	4.0 (3.2, 4.8)
Gender Identity	Cisgender	4.4 (3.6, 5.3)	3.6* (3.0, 4.1)
	Transgender / Non-Binary	6.4 (2.3, 10.6)	8.3* (4.1, 12.5)
Sexual Orientation	Heterosexual	4.6 (3.5, 5.6)	3.8 (3.1, 4.5)
	Gay or Lesbian	5.2 (1.4, 9.0)	3.8 (1.5, 6.2)
	Bisexual	3.5 (1.7, 5.4)	3.7 (2.4, 5.0)
	Questioning / Not Sure	5.9 (1.5, 10.2)	3.0 (1.3, 4.7)

Appendix Table 6.3.I. Teased or name called for any other reason			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	25.2 (21.5, 28.8)	25.3* (22.9, 27.6)
	10 th Grade	20.4 (17.7, 23.2)	19.6* (17.6, 21.6)
	11 th Grade	19.1 (14.4, 23.8)	20.3* (17.7, 22.9)
	12 th Grade	17.4 (12.9, 21.9)	17.0* (14.3, 19.7)
Race & Ethnicity	Black	17.0* (14.0, 20.1)	16.8* (14.2, 19.5)
	White	24.7* (21.2, 28.3)	21.8* (20.3, 23.3)
	Asian	16.2* (10.4, 22.1)	16.2* (11.9, 20.6)
	Multiple Races	27.9* (22.0, 33.8)	30.8* (26.5, 35.1)
	Hispanic	21.3* (15.5, 27.2)	24.6* (19.1, 30)
Sex	Female	22.0 (19.3, 24.6)	22.2 (20.5, 23.8)
	Male	18.5 (16.3, 20.7)	19.3 (17.7, 20.9)
Gender Identity	Cisgender	19.1 (17.1, 21.1)	19.7* (18.5, 20.9)
	Transgender / Non-Binary	28.9 (19.1, 38.8)	37.5* (30.8, 44.2)
Sexual Orientation	Heterosexual	16.3* (14.0, 18.6)	17.4* (16.1, 18.7)
	Gay or Lesbian	29.5* (20.1, 39.0)	36.9* (29.8, 44.0)
	Bisexual	29.2* (23.9, 34.5)	33.2* (29.1, 37.3)
	Questioning / Not Sure	33.9* (24.7, 43.2)	27.2* (20.9, 33.4)

Appendix B: Demographic Tables

Appendix Table 7.1. Ever had sexual intercourse			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	14.0* (10.7, 17.3)	11.2* (9.3, 13.1)
	10 th Grade	23.8* (19.9, 27.6)	19.3* (16.9, 21.7)
	11 th Grade	32.7* (28.0, 37.3)	28.6* (25.0, 32.2)
	12 th Grade	48.4* (42.4, 54.4)	43.9* (39.9, 48.0)
Race & Ethnicity	Black	34.1* (29.4, 38.8)	32.8* (28.3, 37.2)
	White	30.4* (25.8, 35.1)	22.0* (19.9, 24.1)
	Asian	13.3* (8.7, 17.9)	12.8* (9.2, 16.4)
	Multiple Races	31.4* (25.6, 37.2)	30.1* (25.9, 34.3)
	Hispanic	33.3* (25.0, 41.5)	33.3* (27.7, 39.0)
Sex	Female	30.5 (26.3, 34.7)	24.7 (22.3, 27.2)
	Male	31.7 (28.5, 34.9)	25.5 (23.2, 27.8)
Gender Identity	Cisgender	30.7 (28.1, 33.3)	24.7 (22.8, 26.6)
	Transgender / Non-Binary	39.1 (25.4, 52.7)	34.9 (26.5, 43.2)
Sexual Orientation	Heterosexual	30.4 (27.7, 33.1)	23.6* (21.5, 25.7)
	Gay or Lesbian	29.4 (19.2, 39.7)	32.2* (23.5, 40.9)
	Bisexual	40.9 (31.6, 50.2)	35.3* (30.2, 40.4)
	Questioning / Not Sure	25.8 (17.4, 34.2)	25.8* (17.9, 33.6)

Appendix Table 7.2. Currently sexually active			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	8.5* (5.5, 11.4)	6.0* (4.6, 7.3)
	10 th Grade	16.0* (12.9, 19.0)	14.7* (12.5, 16.8)
	11 th Grade	23.6* (17.9, 29.3)	22.0* (18.6, 25.4)
	12 th Grade	36.3* (28.8, 43.7)	32.8* (28.3, 37.4)
Race & Ethnicity	Black	24.8* (19.7, 30)	24.7* (20, 29.4)
	White	22.1* (16.6, 27.6)	16.1* (14.1, 18.1)
	Asian	8.3* (4.3, 12.4)	8.9* (5.6, 12.2)
	Multiple Races	21.3* (15.9, 26.7)	20.8* (17.1, 24.6)
	Hispanic	24.1* (15.8, 32.3)	26.4* (20.5, 32.3)
Sex	Female	23.2 (18.8, 27.6)	18.3 (16.0, 20.6)
	Male	21.2 (17.3, 25.2)	18.4 (16.1, 20.6)
Gender Identity	Cisgender	21.8 (19.1, 24.6)	18.2 (16.3, 20)
	Transgender / Non-Binary	27.6 (13.9, 41.3)	23.2 (15.2, 31.1)
Sexual Orientation	Heterosexual	21.7 (19.1, 24.2)	17.9 (16.0, 19.8)
	Gay or Lesbian	21.0 (11.3, 30.6)	24.8 (15.8, 33.7)
	Bisexual	27.5 (16.9, 38.2)	22.5 (17.6, 27.4)
	Questioning / Not Sure	13.4 (6.1, 20.7)	15.8 (8.6, 23.1)

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Appendix Table 7.3. Had sexual intercourse before age 13 (Among all students.)			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	4.2 (2.4, 6.0)	2.6 (1.7, 3.6)
	10 th Grade	4.2 (2.2, 6.3)	2.6 (1.7, 3.6)
	11 th Grade	4.1 (1.3, 6.8)	3.3 (1.7, 5.0)
	12 th Grade	4.0 (1.4, 6.6)	3.6 (1.8, 5.5)
Race & Ethnicity	Black	4.7 (2.7, 6.7)	5.5* (3.5, 7.5)
	White	4.7 (2.2, 7.1)	2.1* (1.5, 2.8)
	Asian	0.9 (0, 2.3)	0.8* (0, 1.8)
	Multiple Races	4.5 (2.3, 6.8)	3.3* (1.8, 4.8)
	Hispanic	7.2 (3.2, 11.1)	7.0* (3.8, 10.2)
Sex	Female	2.2* (1.3, 3.1)	2.3* (1.4, 3.1)
	Male	6.7* (4.5, 9.0)	4.0* (3.0, 5.0)
Gender Identity	Cisgender	4.0 (2.8, 5.3)	2.9* (2.2, 3.6)
	Transgender / Non-Binary	7.4 (2.2, 12.6)	6.8* (2.8, 10.7)
Sexual Orientation	Heterosexual	4.1 (2.5, 5.6)	2.5* (1.8, 3.2)
	Gay or Lesbian	10.3 (3.2, 17.3)	6.6* (2.9, 10.4)
	Bisexual	5.0 (2.7, 7.3)	4.6* (1.8, 7.5)
	Questioning / Not Sure	4.9 (1.0, 8.7)	5.4* (2.0, 8.9)

Appendix Table 7.4. Had sexual intercourse before age 13 (Among students who have had sex.)			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	32.4* (19.9, 45.0)	32.4* (19.9, 45.0)
	10 th Grade	17.6* (10.3, 24.9)	17.6* (10.3, 24.9)
	11 th Grade	12.5* (4.6, 20.5)	12.5* (4.6, 20.5)
	12 th Grade	7.9* (3.0, 12.7)	7.9* (3.0, 12.7)
Race & Ethnicity	Black	13.7 (8.7, 18.6)	13.7 (8.7, 18.6)
	White	14.8 (7.8, 21.9)	14.8 (7.8, 21.9)
	Asian	<30	<30
	Multiple Races	14.0 (6.7, 21.3)	14.0 (6.7, 21.3)
	Hispanic	19.9 (10.7, 29.0)	19.9 (10.7, 29.0)
Sex	Female	7.2* (4.2, 10.2)	7.2* (4.2, 10.2)
	Male	20.8* (14.2, 27.4)	20.8* (14.2, 27.4)
Gender Identity	Cisgender	13.0 (9.0, 16.9)	13.0 (9.0, 16.9)
	Transgender / Non-Binary	18.3 (4.3, 32.3)	18.3 (4.3, 32.3)
Sexual Orientation	Heterosexual	13.1 (8.0, 18.2)	13.1 (8.0, 18.2)
	Gay or Lesbian	32.1 (13.3, 50.9)	32.1 (13.3, 50.9)
	Bisexual	12.7 (6.7, 18.7)	12.7 (6.7, 18.7)
	Questioning / Not Sure	<30	<30

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Appendix Table 7.5. Have had 4 or more sexual partners			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	9.7 (1.4, 18.0)	9.5 (3.5, 15.5)
	10 th Grade	10.2 (3.5, 16.9)	12.5 (6.2, 18.7)
	11 th Grade	12.1 (1.6, 22.5)	7.3 (2.8, 11.9)
	12 th Grade	11.0 (1.8, 20.3)	9.1 (3.6, 14.7)
Race & Ethnicity	Black	12.1 (4.1, 20.1)	15.3* (8.5, 22.2)
	White	9.1 (0.7, 17.5)	5.3* (3.0, 7.7)
	Asian	<30	10.4* (0, 21.4)
	Multiple Races	8.3 (1.8, 14.8)	6.6* (2.2, 11.0)
	Hispanic	12.8 (1.9, 23.7)	16.0* (7.2, 24.7)
Sex	Female	6.5 (0, 13.9)	5.1 (1.1, 9.0)
	Male	15.7 (9.9, 21.5)	13.1 (9.0, 17.2)
Gender Identity	Cisgender	11.0 (5.6, 16.4)	9.2 (6.3, 12.0)
	Transgender / Non-Binary	<30	6.6 (0.7, 12.6)
Sexual Orientation	Heterosexual	11.4 (4.9, 18.0)	8.6 (5.5, 11.7)
	Gay or Lesbian	<30	20.7 (0, 44.5)
	Bisexual	3.5 (0, 7.6)	5.0 (1.6, 8.4)
	Questioning / Not Sure	<30	12.6 (1.4, 23.8)

Appendix Table 7.6. Drank alcohol or used drugs before having sexual intercourse			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	17.3 (9.0, 25.7)	11.2 (6.1, 16.4)
	10 th Grade	20.3 (14.0, 26.6)	17.1 (12.2, 22.0)
	11 th Grade	26.6 (16.3, 36.9)	17.8 (12.3, 23.4)
	12 th Grade	18.7 (7.8, 29.7)	15.7 (10.2, 21.3)
Race & Ethnicity	Black	20.4 (11.6, 29.2)	18.3 (11.9, 24.8)
	White	22.5 (9.0, 36.1)	14.9 (11.1, 18.8)
	Asian	<30	24.4 (9.5, 39.3)
	Multiple Races	16.5 (9.0, 24.0)	12.9 (7.9, 17.8)
	Hispanic	20.5 (8.7, 32.4)	17.5 (9.0, 26.0)
Sex	Female	17.2 (9.9, 24.6)	15.4 (11.2, 19.5)
	Male	24.1 (15.0, 33.2)	16.9 (12.5, 21.2)
Gender Identity	Cisgender	20.9 (14.1, 27.6)	16.2 (13.0, 19.3)
	Transgender / Non-Binary	10.6 (0.5, 20.7)	14.9 (5.0, 24.7)
Sexual Orientation	Heterosexual	19.8 (12.1, 27.4)	14.3 (11.0, 17.5)
	Gay or Lesbian	29.2 (10.5, 48.0)	29.3 (12.2, 46.4)
	Bisexual	23.0 (7.9, 38.1)	18.1 (10.1, 26.1)
	Questioning / Not Sure	<30	25.8 (11.0, 40.6)

Appendix Table 7.7. Used or partner used a condom during last intercourse			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	35.6 (22.1, 49.1)	54.5 (43.4, 65.7)
	10 th Grade	48.5 (38.6, 58.4)	58.7 (50.9, 66.5)
	11 th Grade	42.8 (32.7, 52.8)	51.9 (44.5, 59.4)
	12 th Grade	35.5 (25.7, 45.2)	52.1 (45.1, 59.1)
Race & Ethnicity	Black	39.2 (31.1, 47.3)	42.4* (34.0, 50.7)
	White	38.0 (24.2, 51.8)	60.1* (54.5, 65.7)
	Asian	<30	54.4* (31.7, 77.1)
	Multiple Races	40.9 (25.7, 56.1)	51.3* (40.1, 62.6)
	Hispanic	51.5 (28.9, 74.1)	58.2* (43.5, 72.9)
Sex	Female	31.3 (22.8, 39.9)	47.1* (41.2, 53.1)
	Male	49.0 (37.9, 60)	60.1* (54.2, 65.9)
Gender Identity	Cisgender	40.7 (35.1, 46.3)	54.7 (50.5, 59.0)
	Transgender / Non-Binary	<30	34.1 (18.2, 50)
Sexual Orientation	Heterosexual	42.5 (35.1, 50)	56.8 (52.1, 61.6)
	Gay or Lesbian	<30	32.0 (10.1, 53.9)
	Bisexual	31.4 (15.6, 47.2)	49.8 (37.1, 62.5)
	Questioning / Not Sure	<30	43.7 (19.5, 67.8)

Appendix Table 7.8. Used or had a partner who used hormonal birth control method or IUD to prevent pregnancy			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	11.0* (3.3, 18.7)	15.1* (9.0, 21.3)
	10 th Grade	8.2* (3.7, 12.7)	19.4* (13.9, 24.8)
	11 th Grade	21.1* (15.0, 27.2)	25.3* (19.9, 30.7)
	12 th Grade	27.7* (19.4, 35.9)	34.5* (28.2, 40.8)
Race & Ethnicity	Black	14.0 (6.9, 21.0)	21.2 (13.0, 29.5)
	White	30.1 (20.4, 39.9)	30.4 (26.2, 34.6)
	Asian	<30	15.6 (3.3, 27.9)
	Multiple Races	30.3 (16.2, 44.4)	25.8 (16.9, 34.7)
	Hispanic	27.1 (12.2, 42.0)	19.4 (11.0, 27.8)
Sex	Female	29.2* (21.2, 37.1)	35.9* (30.3, 41.6)
	Male	14.1* (10.1, 18.1)	18.4* (14.8, 22.0)
Gender Identity	Cisgender	20.4 (15.6, 25.3)	27.1 (23.5, 30.6)
	Transgender / Non-Binary	37.8 (8.9, 66.7)	22.6 (6.1, 39.1)
Sexual Orientation	Heterosexual	18.7 (13.6, 23.8)	26.6 (22.6, 30.5)
	Gay or Lesbian	<30	21.6 (3.4, 39.7)
	Bisexual	24.2 (12.0, 36.3)	29.7 (21.2, 38.2)
	Questioning / Not Sure	<30	15.9 (3.5, 28.3)

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Appendix Table 7.9. Did not use or had a partner who did not use effective birth control method			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9th Grade	41.7 (29.5, 53.9)	36.7 (27.5, 46.0)
	10th Grade	44.9 (36.1, 53.7)	32.0 (25.6, 38.4)
	11th Grade	35.9 (25.6, 46.2)	27.9 (21.6, 34.2)
	12th Grade	40 (28.0, 51.9)	24.0 (17.0, 30.9)
Race & Ethnicity	Black	42.6 (33.8, 51.4)	38.2* (29.7, 46.6)
	White	36.8 (23.9, 49.8)	21.8* (17.5, 26.2)
	Asian	<30	47.6* (27.8, 67.5)
	Multiple Races	27.0 (16.8, 37.3)	25.3* (17.1, 33.5)
	Hispanic	34.7 (21.4, 48.0)	32.6* (21.9, 43.2)
Sex	Female	40.3 (30.2, 50.4)	26.7 (21.0, 32.4)
	Male	37.6 (28.1, 47.2)	28.6 (23.8, 33.5)
Gender Identity	Cisgender	39.9 (33.8, 46.0)	27.3 (23.7, 30.9)
	Transgender / Non-Binary	23.5 (6.6, 40.5)	37.5 (20.6, 54.3)
Sexual Orientation	Heterosexual	36.8 (29.1, 44.6)	25.0* (20.8, 29.3)
	Gay or Lesbian	<30	63.9* (38.0, 89.9)
	Bisexual	53.0 (34.4, 71.7)	33.9* (22.2, 45.6)
	Questioning / Not Sure	<30	44.1* (26.1, 62.1)

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Appendix Table 7.10. Were taught in school about AIDS or HIV infection			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	63.6 (59.1, 68.0)	71.2* (68.6, 73.8)
	10 th Grade	69.5 (65.4, 73.7)	77.4* (74.9, 79.9)
	11 th Grade	73.9 (69.3, 78.4)	79.9* (77.1, 82.6)
	12 th Grade	77.1 (64.3, 89.9)	82.8* (77.2, 88.3)
Race & Ethnicity	Black	71.2 (66.0, 76.4)	76.2* (72.5, 79.8)
	White	75.2 (70.8, 79.6)	79.0* (77.3, 80.7)
	Asian	62.7 (55.1, 70.3)	65.8* (60.1, 71.5)
	Multiple Races	69.5 (61.7, 77.3)	77.3* (72.9, 81.8)
	Hispanic	67.7 (58.5, 76.8)	72.7* (66.3, 79.1)
Sex	Female	71.7 (66.1, 77.2)	77.4 (75.1, 79.7)
	Male	71.5 (68.6, 74.4)	77.8 (76.1, 79.5)
Gender Identity	Cisgender	71.3 (67.7, 74.9)	77.6 (76.0, 79.1)
	Transgender / Non-Binary	72.0 (59.4, 84.6)	77.6 (70.6, 84.6)
Sexual Orientation	Heterosexual	72.8 (69.1, 76.4)	78.4 (76.7, 80.1)
	Gay or Lesbian	67.1 (53.3, 81.0)	75.3 (68.4, 82.3)
	Bisexual	74.8 (67.9, 81.8)	80.9 (77.1, 84.7)
	Questioning / Not Sure	69.2 (59.6, 78.8)	73.6 (67.4, 79.8)

Appendix Table 7.11. Talked about AIDS or HIV infection with parents or adult in family			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	36.0* (32.2, 39.9)	34.9* (32.4, 37.3)
	10 th Grade	41.4* (38.1, 44.8)	37.6* (34.9, 40.2)
	11 th Grade	42.7* (37.5, 47.9)	40.1* (36.7, 43.5)
	12 th Grade	60.6* (53.9, 67.2)	49.0* (44.4, 53.6)
Race & Ethnicity	Black	13.3* (7.9, 18.8)	15.0* (10.6, 19.5)
	White	55.4* (50.9, 59.8)	51.2* (46.7, 55.7)
	Asian	39.0* (31.2, 46.7)	43.5* (37.6, 49.5)
	Multiple Races	42.0* (37.7, 46.3)	36.7* (34.9, 38.5)
	Hispanic	43.6* (37.1, 50.2)	43.0* (38.5, 47.6)
Sex	Female	49.5* (45.8, 53.2)	40.9 (38.3, 43.5)
	Male	42.7* (38.4, 47.0)	39.5 (37.1, 41.8)
Gender Identity	Cisgender	46.1 (42.7, 49.5)	40.5 (38.6, 42.4)
	Transgender / Non-Binary	46.1 (33.0, 59.2)	32.1 (24.7, 39.5)
Sexual Orientation	Heterosexual	46.6 (42.5, 50.7)	40.7 (38.7, 42.7)
	Gay or Lesbian	38.6 (27.8, 49.5)	34.0 (26.6, 41.4)
	Bisexual	52.4 (44.8, 60)	43.8 (38.8, 48.9)
	Questioning / Not Sure	33.4 (24.9, 41.8)	32.7 (24.4, 41.0)

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Appendix Table 8.1.A. Had any fruit in the past 7 days			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	85.1 (82.1, 88.2)	91.5 (90, 92.9)
	10 th Grade	88.0 (85.3, 90.8)	92.4 (90.8, 94.0)
	11 th Grade	85.7 (82.8, 88.7)	91.8 (90, 93.6)
	12 th Grade	83.2 (78.0, 88.5)	88.9 (86.1, 91.6)
Race & Ethnicity	Black	83.3 (80.1, 86.5)	88.0* (85.6, 90.4)
	White	89.0 (86.6, 91.4)	92.9* (91.9, 93.9)
	Asian	86.7 (81.5, 92.0)	89.9* (86.3, 93.5)
	Multiple Races	83.6 (77.7, 89.5)	88.9* (85.6, 92.3)
	Hispanic	85.8 (80.5, 91.2)	88.8* (85.2, 92.4)
Sex	Female	84.3 (81.0, 87.7)	90.2 (88.6, 91.7)
	Male	86.7 (84.5, 88.8)	92.3 (91.2, 93.4)
Gender Identity	Cisgender	85.7 (83.6, 87.8)	91.5 (90.6, 92.5)
	Transgender / Non-Binary	84.9 (77.1, 92.8)	85.9 (80.6, 91.2)
Sexual Orientation	Heterosexual	86.8 (84.4, 89.3)	92.6* (91.6, 93.6)
	Gay or Lesbian	84.4 (77.1, 91.7)	85.8* (79.0, 92.6)
	Bisexual	85.7 (80.6, 90.9)	89.6* (86.7, 92.4)
	Questioning / Not Sure	84.2 (76.7, 91.8)	87.0* (82.2, 91.8)

Appendix Table 8.1.B. Had at least one fruit every day in the past 7 days			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	29.6 (25.9, 33.4)	42.1* (39.0, 45.3)
	10 th Grade	29.2 (26.2, 32.2)	41.3* (38.7, 43.9)
	11 th Grade	29.4 (24.2, 34.7)	39.6* (36.5, 42.7)
	12 th Grade	26.4 (20.5, 32.3)	34.1* (29.8, 38.3)
Race & Ethnicity	Black	25.1* (21.8, 28.3)	30.5* (27.1, 33.9)
	White	32.3* (26.4, 38.1)	43.2* (41.2, 45.2)
	Asian	32.9* (25.5, 40.3)	37.9* (32.5, 43.3)
	Multiple Races	29.8* (22.9, 36.6)	38.7* (33.4, 44.1)
	Hispanic	40.7* (32.4, 49.1)	41.9* (35.7, 48.0)
Sex	Female	23.8* (20.9, 26.8)	35.5* (33.2, 37.8)
	Male	33.7* (29.6, 37.8)	43.4* (41.1, 45.7)
Gender Identity	Cisgender	28.8 (25.9, 31.7)	40.1* (38.5, 41.7)
	Transgender / Non-Binary	30.6 (17.4, 43.8)	26.8* (19.1, 34.4)
Sexual Orientation	Heterosexual	29.7 (26.6, 32.8)	41.7* (39.9, 43.5)
	Gay or Lesbian	22.3 (14.1, 30.4)	27.6* (21.4, 33.9)
	Bisexual	23.4 (15.9, 31.0)	31.0* (26.1, 35.8)
	Questioning / Not Sure	28.2 (19.6, 36.8)	30.9* (23.6, 38.3)

Appendix Table 8.1.C. Had any vegetables or salad in the past 7 days			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	84.2 (81.5, 86.8)	88.5 (86.8, 90.3)
	10 th Grade	86.6 (84.3, 89.0)	90.2 (88.3, 92.2)
	11 th Grade	88.7 (86.0, 91.5)	90.8 (88.9, 92.7)
	12 th Grade	86.1 (82.7, 89.5)	88.7 (85.8, 91.7)
Race & Ethnicity	Black	83.6* (81.4, 85.9)	84.9* (81.9, 87.8)
	White	87.4* (84.6, 90.3)	91.2* (90.1, 92.3)
	Asian	93.4* (90.5, 96.3)	93.9* (91.7, 96.2)
	Multiple Races	91.6* (88.2, 95.1)	90.6* (88.0, 93.2)
	Hispanic	88.4* (83.5, 93.2)	89.9* (86.6, 93.3)
Sex	Female	88.9* (86.9, 90.8)	90.6 (89.0, 92.3)
	Male	84.4* (82.3, 86.4)	88.7 (87.5, 90)
Gender Identity	Cisgender	87.3 (86.0, 88.6)	90.0* (88.9, 91.1)
	Transgender / Non-Binary	79.6 (67.3, 91.9)	82.8* (76.2, 89.4)
Sexual Orientation	Heterosexual	86.3 (84.8, 87.8)	89.9 (88.6, 91.1)
	Gay or Lesbian	87.9 (81.7, 94.2)	90.1 (85.6, 94.6)
	Bisexual	86.7 (81.4, 92.0)	88.6 (84.9, 92.4)
	Questioning / Not Sure	87.3 (80.5, 94.2)	87.0 (81.7, 92.3)

Appendix Table 8.1.D. Had at least one vegetable or salad every day in the past 7 days			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	28.8 (25.1, 32.5)	30.5 (23.2, 37.8)
	10 th Grade	26.4 (22.4, 30.3)	27.5 (20.3, 34.8)
	11 th Grade	26.9 (22.6, 31.2)	27.1 (21.1, 33.2)
	12 th Grade	31.4 (24.0, 38.8)	33.0 (22.1, 43.8)
Race & Ethnicity	Black	23.9* (20.1, 27.8)	27.8* (21.3, 34.3)
	White	31.3* (27.8, 34.8)	31.6* (23.3, 40)
	Asian	39.9* (32.0, 47.7)	43.3* (29.1, 57.5)
	Multiple Races	30.2* (22.4, 38.0)	25.7* (15.6, 35.8)
	Hispanic	34.4* (26.2, 42.7)	39.7* (28.0, 51.5)
Sex	Female	25.1* (20.5, 29.7)	23.1* (16.0, 30.1)
	Male	32.3* (29.6, 35.0)	36.9* (30.8, 43.0)
Gender Identity	Cisgender	29.2 (26.2, 32.2)	30.8 (25.5, 36.1)
	Transgender / Non-Binary	17.6 (10.3, 25.0)	19.3 (7.3, 31.4)
Sexual Orientation	Heterosexual	28.7 (25.8, 31.7)	29.6* (24.1, 35.1)
	Gay or Lesbian	23.2 (15.0, 31.5)	22.2* (9.3, 35.1)
	Bisexual	24.7 (17.8, 31.6)	28.0* (15.4, 40.6)
	Questioning / Not Sure	29.7 (20.8, 38.6)	26.9* (11.0, 42.9)

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Appendix Table 8.1.E. Had five or more fruits and vegetables per day in the past 7 days			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9th Grade	11.4 (9.1, 13.7)	13.2 (11.3, 15.0)
	10th Grade	10.1 (7.7, 12.6)	12.3 (10.3, 14.3)
	11th Grade	9.5 (7.3, 11.7)	10.8 (8.7, 13.0)
	12th Grade	10.6 (6.8, 14.5)	12.4 (9.5, 15.3)
Race & Ethnicity	Black	8.9* (6.8, 10.9)	11.2 (8.8, 13.7)
	White	10.2* (7.1, 13.4)	12.0 (10.6, 13.4)
	Asian	16.1* (11.2, 21.1)	16.3 (12.7, 20)
	Multiple Races	11.6* (8.0, 15.3)	12.4 (9.3, 15.5)
	Hispanic	17.7* (12.1, 23.4)	15.2 (10.7, 19.8)
Sex	Female	8.0* (6.2, 9.9)	10.3* (8.9, 11.7)
	Male	13.1* (10.8, 15.3)	13.9* (12.4, 15.4)
Gender Identity	Cisgender	10.7 (9.2, 12.2)	12.2 (11.1, 13.3)
	Transgender / Non-Binary	5.3 (1.3, 9.3)	6.7 (2.9, 10.4)
Sexual Orientation	Heterosexual	11.3 (9.4, 13.2)	13.1* (11.8, 14.4)
	Gay or Lesbian	8.1 (3.2, 13.0)	9.5* (5.7, 13.3)
	Bisexual	6.6 (4.1, 9.1)	6.9* (4.9, 8.9)
	Questioning / Not Sure	12.3 (6.3, 18.4)	10.6* (7.1, 14.1)

Appendix B: Demographic Tables

Appendix Table 8.1.F. Had any soda or pop in the past 7 days			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	73.0 (69.1, 76.8)	71.4 (68.9, 74.0)
	10 th Grade	72.0 (68.6, 75.4)	69.3 (66.8, 71.8)
	11 th Grade	68.8 (64.3, 73.4)	67.4 (64.3, 70.4)
	12 th Grade	74.0 (68.7, 79.3)	67.2 (63.1, 71.3)
Race & Ethnicity	Black	70.9 (67.8, 73.9)	73.1* (69.7, 76.5)
	White	74.0 (69.5, 78.6)	66.9* (65.1, 68.7)
	Asian	66.9 (60.6, 73.2)	61.3* (56.1, 66.5)
	Multiple Races	76.4 (71.2, 81.7)	76.8* (72.8, 80.8)
	Hispanic	69.4 (61.5, 77.3)	70.9* (65.0, 76.7)
Sex	Female	71.6 (68.6, 74.5)	66.7* (64.5, 69.0)
	Male	72.4 (68.5, 76.4)	71.0* (68.9, 73.1)
Gender Identity	Cisgender	71.7 (69.3, 74.1)	68.4 (66.9, 70)
	Transgender / Non-Binary	80.9 (72.9, 88.9)	76.5 (69.8, 83.1)
Sexual Orientation	Heterosexual	72.4 (69.2, 75.6)	68.8 (67.1, 70.5)
	Gay or Lesbian	75.8 (66.6, 85.0)	64.5 (55.7, 73.4)
	Bisexual	73.6 (67.5, 79.7)	71.2 (66.7, 75.7)
	Questioning / Not Sure	76.8 (68.4, 85.2)	71.6 (64.3, 78.9)

Appendix Table 8.1.G. Had soda or pop every day in the past 7 days			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	19.1 (15.9, 22.4)	13.4 (11.5, 15.3)
	10 th Grade	17.5 (14.6, 20.3)	14.7 (12.5, 16.9)
	11 th Grade	17.4 (12.9, 21.9)	14.3 (11.8, 16.8)
	12 th Grade	20.8 (15.5, 26.2)	16.5 (13.5, 19.5)
Race & Ethnicity	Black	14.7* (12.2, 17.1)	15.7 (12.9, 18.4)
	White	24.1* (19.4, 28.9)	14.0 (12.5, 15.4)
	Asian	17.8* (12.6, 23.0)	14.3 (10.6, 18.1)
	Multiple Races	21.6* (15.9, 27.4)	19.0 (15.0, 23.1)
	Hispanic	17.9* (10.8, 24.9)	18.3 (13.3, 23.3)
Sex	Female	16.0* (13.4, 18.6)	12.3* (10.8, 13.8)
	Male	21.1* (17.6, 24.7)	17.0* (15.2, 18.7)
Gender Identity	Cisgender	18.0 (15.8, 20.2)	14.0* (12.8, 15.2)
	Transgender / Non-Binary	27.8 (14.4, 41.2)	26.7* (19.0, 34.4)
Sexual Orientation	Heterosexual	17.6 (14.9, 20.4)	13.9 (12.5, 15.3)
	Gay or Lesbian	21.9 (13.5, 30.2)	18.3 (12.5, 24.0)
	Bisexual	23.0 (15.4, 30.6)	17.1 (13.2, 21.1)
	Questioning / Not Sure	20.4 (12.5, 28.3)	17.8 (12.2, 23.4)

Appendix B: Demographic Tables

Appendix Table 8.1.H. Had any fastfood in the past 7 days			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	73.6 (69.7, 77.5)	75.4 (73.0, 77.7)
	10 th Grade	73.6 (70.1, 77.1)	74.1 (71.4, 76.7)
	11 th Grade	77.8 (73.0, 82.7)	77.0 (74.3, 79.8)
	12 th Grade	77.0 (70.1, 83.8)	76.6 (72.3, 81.0)
Race & Ethnicity	Black	79.8* (76.4, 83.1)	80.8* (77.7, 83.9)
	White	74.6* (70.1, 79.1)	74.8* (73.0, 76.7)
	Asian	60.3* (53.5, 67.0)	59.7* (54.6, 64.8)
	Multiple Races	77.6* (71.4, 83.7)	78.1* (73.7, 82.4)
	Hispanic	66.3* (57.0, 75.6)	72.8* (66.4, 79.2)
Sex	Female	76.4 (71.9, 80.9)	75.1 (72.8, 77.4)
	Male	75.0 (71.2, 78.8)	76.6 (74.6, 78.5)
Gender Identity	Cisgender	75.6 (72.7, 78.5)	76.0 (74.4, 77.5)
	Transgender / Non-Binary	79.4 (70.5, 88.2)	72.5 (65.6, 79.5)
Sexual Orientation	Heterosexual	76.7 (73.7, 79.7)	76.5 (74.8, 78.3)
	Gay or Lesbian	81.1 (73.1, 89.0)	69.9 (62.7, 77.2)
	Bisexual	77.2 (70.5, 83.9)	77.4 (73.3, 81.5)
	Questioning / Not Sure	73.8 (65.5, 82.2)	76.8 (70.8, 82.8)

Appendix Table 8.1.I. Had fastfood every day in the past 7 days			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	4.3 (3.0, 5.6)	1.9 (1.2, 2.7)
	10 th Grade	3.5 (2.2, 4.9)	2.1 (1.4, 2.9)
	11 th Grade	2.3 (1.2, 3.5)	2.1 (0.9, 3.3)
	12 th Grade	3.8 (1.3, 6.4)	3.1 (1.4, 4.8)
Race & Ethnicity	Black	5.1* (3.5, 6.6)	4.7* (3.2, 6.2)
	White	1.7* (0.8, 2.7)	1.2* (0.7, 1.7)
	Asian	2.1* (0.3, 3.8)	2.0* (0.8, 3.3)
	Multiple Races	2.6* (0.9, 4.3)	2.8* (0.9, 4.8)
	Hispanic	5.0* (1.6, 8.4)	5.4* (2.7, 8.1)
Sex	Female	2.6 (1.8, 3.4)	1.3* (0.8, 1.8)
	Male	4.5 (3.0, 5.9)	3.2* (2.3, 4.2)
Gender Identity	Cisgender	3.5 (2.6, 4.3)	2.3 (1.7, 2.8)
	Transgender / Non-Binary	4.4 (0.3, 8.5)	2.4 (0.6, 4.2)
Sexual Orientation	Heterosexual	3.9 (2.8, 5.0)	2.5 (1.8, 3.2)
	Gay or Lesbian	3.3 (0.1, 6.4)	2.0 (0.6, 3.5)
	Bisexual	1.9 (0.5, 3.3)	1.1 (0.4, 1.7)
	Questioning / Not Sure	2.9 (0, 6.3)	2.2 (0.5, 4.0)

Appendix Table 8.1.L. Were hungry sometimes, most of the time or always because there was not enough food to eat			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	14.0 (11.1, 17.0)	9.3 (7.7, 11.0)
	10 th Grade	16.0 (13.0, 19.0)	9.4 (7.7, 11.1)
	11 th Grade	16.0 (12.6, 19.3)	10.2 (7.9, 12.6)
	12 th Grade	13.4 (9.2, 17.7)	10.1 (7.5, 12.8)
Race & Ethnicity	Black	23.6* (20.0, 26.8)	23.2* (20.5, 25.5)
	White	22.5* (18.9, 26.2)	19.0* (16.5, 20.5)
	Asian	30.7* (24.2, 27.2)	28.9* (23.2, 23.3)
	Multiple Races	26.5* (21.8, 22.8)	23.9* (20.0, 27.3)
	Hispanic	23.9* (17.5, 20.2)	22.9* (18.0, 26.7)
Sex	Female	15.4 (13.0, 17.8)	10.6 (9.1, 12.2)
	Male	14.2 (11.9, 16.5)	9.0 (7.8, 10.2)
Gender Identity	Cisgender	23.5* (22.3, 23.5)	20.8 (19.5, 22.5)
	Transgender / Non-Binary	17.0 (9.9, 28.0)	20.9 (10.5, 20.3)
Sexual Orientation	Heterosexual	12.8* (10.9, 14.7)	8.1* (7.1, 9.0)
	Gay or Lesbian	28.6* (16.3, 40.8)	16.2* (9.5, 22.8)
	Bisexual	18.0* (13.6, 22.4)	16.2* (12.4, 20.1)
	Questioning / Not Sure	20.8* (13.0, 28.5)	16.0* (10.7, 21.3)

Appendix Table 8.1.K. Had breakfast every day in the past 7 days			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	54.2* (50.6, 57.8)	60.6* (58.0, 63.3)
	10 th Grade	43.3* (38.9, 47.8)	54.0* (50.8, 57.3)
	11 th Grade	45.2* (40.6, 49.9)	59.1* (55.8, 62.4)
	12 th Grade	42.3* (36.0, 48.7)	50.1* (45.7, 54.5)
Race & Ethnicity	Black	42.7* (39.4, 46.0)	51.2* (47.6, 54.9)
	White	51.9* (46.5, 57.3)	59.8* (57.9, 61.7)
	Asian	43.3* (34.5, 52.2)	49.4* (43.2, 55.6)
	Multiple Races	45.4* (39.3, 51.5)	49.2* (45.0, 53.4)
	Hispanic	50.0* (42.9, 57.1)	50.1* (44.5, 55.7)
Sex	Female	39.6 (35.9, 43.3)	51.4* (48.9, 53.8)
	Male	53.4 (49.6, 57.1)	61.7* (59.6, 63.8)
Gender Identity	Cisgender	46.3 (43.4, 49.3)	56.8 (55.1, 58.4)
	Transgender / Non-Binary	44.5 (31.1, 57.9)	51.8 (42.9, 60.8)
Sexual Orientation	Heterosexual	49.1* (45.8, 52.3)	59.1* (57.3, 60.8)
	Gay or Lesbian	35.9* (26.1, 45.7)	44.3* (35.6, 53.1)
	Bisexual	35.6* (27.8, 43.4)	42.8* (37.9, 47.8)
	Questioning / Not Sure	44.4* (34.4, 54.4)	58.8* (51.0, 66.6)

Appendix B: Demographic Tables

Appendix Table 8.2.A. Met physical activity recommendations in the past 7 days			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	35.4* (31.1, 39.8)	50.0* (46.5, 53.5)
	10 th Grade	35.0* (31.3, 38.8)	46.6* (43.5, 49.7)
	11 th Grade	31.0* (26.2, 35.7)	48.6* (44.9, 52.2)
	12 th Grade	25.5* (20.2, 30.8)	38.2* (33.7, 42.7)
Race & Ethnicity	Black	28.0* (25.0, 31.1)	36.3* (32.5, 40.1)
	White	36.0* (31.4, 40.6)	51.9* (49.8, 54.0)
	Asian	31.1* (24.1, 38.1)	34.2* (28.8, 39.6)
	Multiple Races	32.4* (27.4, 37.4)	37.2* (32.8, 41.6)
	Hispanic	31.1* (23.5, 38.6)	38.8* (31.4, 46.1)
Sex	Female	24.7* (21.9, 27.4)	37.5* (35.1, 39.8)
	Male	38.8* (35.2, 42.4)	55.2* (52.8, 57.6)
Gender Identity	Cisgender	32.0 (29.5, 34.5)	47.4* (45.6, 49.3)
	Transgender / Non-Binary	20.3 (12.2, 28.3)	23.8* (16.8, 30.7)
Sexual Orientation	Heterosexual	34.0 (31.0, 37.1)	51.2* (49.2, 53.2)
	Gay or Lesbian	31.4 (21.6, 41.3)	31.7* (25.0, 38.4)
	Bisexual	25.5 (20.4, 30.6)	31.1* (26.3, 35.9)
	Questioning / Not Sure	24.5 (16.5, 32.6)	31.6* (23.2, 39.9)

Appendix Table 8.2.B. Had no physical activity in the past 7 days			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	24.9 (20.8, 29.0)	15.7* (13.5, 17.9)
	10 th Grade	21.3 (17.9, 24.7)	15.6* (13.2, 17.9)
	11 th Grade	22.2 (18.2, 26.1)	13.1* (10.7, 15.5)
	12 th Grade	29.6 (21.0, 38.2)	22.1* (17.4, 26.9)
Race & Ethnicity	Black	28.9* (23.8, 34.0)	27.0* (23.1, 30.9)
	White	18.6* (15.6, 21.5)	11.2* (9.9, 12.4)
	Asian	27.8* (21.4, 34.1)	23.5* (18.8, 28.2)
	Multiple Races	18.4* (12.6, 24.1)	19.8* (15.7, 23.9)
	Hispanic	26.7* (17.1, 36.2)	19.1* (13.2, 25.0)
Sex	Female	26.6 (21.1, 32.1)	17.9 (15.6, 20.3)
	Male	21.9 (18.5, 25.2)	14.5 (12.7, 16.3)
Gender Identity	Cisgender	23.9 (21.0, 26.7)	15.7* (14.3, 17.1)
	Transgender / Non-Binary	34.1 (20.9, 47.3)	28.4* (21.3, 35.5)
Sexual Orientation	Heterosexual	23.0 (20.2, 25.7)	14.2* (12.8, 15.6)
	Gay or Lesbian	33.8 (19.6, 47.9)	26.2* (18.3, 34.2)
	Bisexual	19.4 (13.8, 25.1)	17.6* (13.6, 21.6)
	Questioning / Not Sure	26.3 (17.3, 35.3)	23.3* (15.9, 30.7)

Appendix Table 8.2.C. Played on one or more sports teams in the past 12 months			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	48.5* (45.0, 51.9)	64.1* (61.0, 67.2)
	10 th Grade	45.6* (42.2, 49.0)	60.1* (56.9, 63.2)
	11 th Grade	39.1* (32.7, 45.6)	60.2* (56.3, 64.1)
	12 th Grade	36.5* (30.8, 42.2)	45.5* (41.2, 49.9)
Race & Ethnicity	Black	44.1 (39.6, 48.7)	50.5* (46.2, 54.7)
	White	36.9 (33.0, 40.8)	62.9* (60.8, 65.0)
	Asian	46.3 (38.5, 54.2)	44.8* (38.9, 50.8)
	Multiple Races	44.8 (37.5, 52.1)	50.7* (45.8, 55.6)
	Hispanic	46.2 (37.0, 55.4)	52.8* (46.5, 59.1)
Sex	Female	39.1 (34.6, 43.6)	54.5* (51.8, 57.2)
	Male	45.5 (41.6, 49.5)	62.0* (59.8, 64.2)
Gender Identity	Cisgender	43.5* (40.7, 46.2)	59.7* (58.0, 61.5)
	Transgender / Non-Binary	23.7* (14.2, 33.2)	27.0* (20.3, 33.7)
Sexual Orientation	Heterosexual	46.4* (43.3, 49.4)	64.8* (62.8, 66.8)
	Gay or Lesbian	36.7* (26.3, 47.0)	39.0* (31.2, 46.8)
	Bisexual	33.5* (25.8, 41.3)	36.9* (32.1, 41.6)
	Questioning / Not Sure	36.5* (26.1, 46.9)	37.7* (30.5, 44.8)

Appendix B: Demographic Tables

Appendix Table 8.3.A. Obtained eight or more hours of sleep			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	31.0* (26.9, 35.0)	31.0* (27.8, 34.1)
	10 th Grade	21.9* (18.6, 25.2)	22.6* (20.2, 25.1)
	11 th Grade	24.6* (20.3, 28.8)	22.0* (19.7, 24.3)
	12 th Grade	12.3* (9.0, 15.6)	11.9* (9.5, 14.2)
Race & Ethnicity	Black	22.0 (19.1, 25.0)	20.5 (17.4, 23.6)
	White	21.4 (17.4, 25.5)	23.5 (21.6, 25.4)
	Asian	27.0 (19.5, 34.5)	25.6 (20, 31.2)
	Multiple Races	18.3 (13.1, 23.5)	17.4 (14.0, 20.8)
	Hispanic	25.4 (18.7, 32.1)	20.5 (15.3, 25.7)
Sex	Female	20.3 (17.6, 23.0)	19.1* (17.5, 20.7)
	Male	24.4 (21.3, 27.6)	26.1* (24.0, 28.2)
Gender Identity	Cisgender	22.5 (20.3, 24.8)	22.8 (21.3, 24.4)
	Transgender / Non-Binary	16.1 (4.0, 28.2)	15.0 (8.3, 21.6)
Sexual Orientation	Heterosexual	23.8* (21.1, 26.5)	24.3* (22.5, 26.1)
	Gay or Lesbian	17.6* (10.5, 24.7)	16.1* (11.0, 21.2)
	Bisexual	14.8* (10.5, 19.2)	14.8* (11.1, 18.4)
	Questioning / Not Sure	20.9* (13.0, 28.9)	20.8* (14.6, 27.1)

Appendix Table 8.3.B. Had 3 or more hours of screentime			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	71.3 (67.4, 75.1)	74.0 (71.3, 76.7)
	10 th Grade	74.3 (70, 78.6)	73.4 (70.7, 76.1)
	11 th Grade	75.3 (69.9, 80.7)	75.1 (72.2, 78.0)
	12 th Grade	72.8 (65.2, 80.5)	75.8 (71.6, 79.9)
Race & Ethnicity	Black	72.2 (68.8, 75.6)	74.4 (71.0, 77.8)
	White	75.3 (70.8, 79.7)	74.3 (72.5, 76.0)
	Asian	74.0 (66.4, 81.6)	76.9 (71.7, 82.1)
	Multiple Races	77.6 (70.7, 84.6)	80.3 (76.3, 84.2)
	Hispanic	64.1 (52.8, 75.3)	69.0 (61.6, 76.3)
Sex	Female	75.5 (71.1, 80)	76.9* (74.8, 79.0)
	Male	71.2 (67.9, 74.4)	72.1* (70.1, 74.2)
Gender Identity	Cisgender	72.9 (69.8, 76.1)	74.0* (72.4, 75.6)
	Transgender / Non-Binary	82.7 (75.6, 89.8)	85.5* (80.1, 90.9)
Sexual Orientation	Heterosexual	72.0* (69.0, 74.9)	73.2* (71.4, 74.9)
	Gay or Lesbian	74.8* (66.1, 83.5)	79.3* (73.8, 84.8)
	Bisexual	82.8* (76.6, 89.0)	80.7* (76.9, 84.4)
	Questioning / Not Sure	84.2* (77.5, 90.9)	82.2* (76.8, 87.6)

Appendix Table 8.3.C. Uses any social media			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	88.6 (86.4, 90.9)	88.4* (86.7, 90)
	10 th Grade	91.5 (89.9, 93.1)	91.3* (89.7, 92.9)
	11 th Grade	88.2 (85.3, 91.2)	92.6* (90.9, 94.2)
	12 th Grade	92.1 (89.8, 94.5)	94.3* (92.6, 96.0)
Race & Ethnicity	Black	91.1 (89.0, 93.2)	92.7 (90.8, 94.5)
	White	89.2 (87.0, 91.4)	91.1 (90, 92.2)
	Asian	93.2 (89.3, 97.0)	92.7 (89.5, 95.9)
	Multiple Races	86.9 (81.3, 92.5)	91.3 (88.3, 94.3)
	Hispanic	90.2 (85.0, 95.4)	90.6 (87.2, 94.0)
Sex	Female	92.2* (90.4, 94.0)	94.3* (93.3, 95.2)
	Male	88.1* (86.1, 90)	88.8* (87.5, 90.2)
Gender Identity	Cisgender	90.2 (89.0, 91.5)	91.7 (90.8, 92.5)
	Transgender / Non-Binary	90.9 (84.6, 97.2)	89.3 (84.2, 94.5)
Sexual Orientation	Heterosexual	91.3 (89.8, 92.7)	92.1 (91.3, 93.0)
	Gay or Lesbian	90.7 (85.2, 96.3)	88.9 (84.1, 93.8)
	Bisexual	90 (85.4, 94.6)	92.4 (90, 94.9)
	Questioning / Not Sure	91.0 (85.3, 96.6)	90.2 (85.4, 95.1)

Appendix Table 8.3.D. Uses social media at least once per day (among those who use any social media)			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	83.7 (80.9, 86.4)	89.5 (87.6, 91.4)
	10 th Grade	84.9 (81.6, 88.2)	88.8 (86.7, 90.9)
	11 th Grade	87.0 (82.9, 91.2)	90.6 (88.7, 92.4)
	12 th Grade	85.5 (81.9, 89.2)	90.8 (88.5, 93.0)
Race & Ethnicity	Black	85.4 (83.0, 87.8)	87.7* (85.4, 89.9)
	White	85.0 (81.7, 88.3)	91.2* (90.1, 92.4)
	Asian	87.5 (83.1, 92.0)	89.6* (86.5, 92.7)
	Multiple Races	87.7 (83.3, 92.1)	90.3* (87.3, 93.3)
	Hispanic	83.3 (76.7, 89.8)	83.9* (78.9, 88.9)
Sex	Female	87.1 (84.1, 90.2)	92.3* (90.9, 93.7)
	Male	83.3 (80.9, 85.8)	87.5* (85.9, 89.1)
Gender Identity	Cisgender	85.2 (83.5, 86.9)	90.1 (89.1, 91.0)
	Transgender / Non-Binary	87.7 (81.2, 94.1)	86.6 (80.6, 92.6)
Sexual Orientation	Heterosexual	84.6 (82.7, 86.5)	90.4 (89.4, 91.5)
	Gay or Lesbian	86.9 (79.5, 94.2)	86.8 (81.7, 91.8)
	Bisexual	88.6 (82.5, 94.6)	90.3 (87.1, 93.6)
	Questioning / Not Sure	89.7 (84.1, 95.3)	89.7 (84.6, 94.9)

Appendix B: Demographic Tables

Appendix Table 8.3.A. Body Mass Index (BMI) Categories					
		Akron City		Summit County	
		Had Obesity % (95% CI)	Were Overweight % (95% CI)	Had Obesity % (95% CI)	Were Overweight % (95% CI)
Grade Level	9 th Grade	24.0 (21.3, 26.8)	16.0 (13.3, 18.7)	17.1 (14.9, 19.3)	15.2 (13.3, 17.2)
	10 th Grade	22.1 (19.0, 25.1)	19.8 (16.0, 23.7)	16.9 (14.7, 19.1)	17.8 (15.3, 20.3)
	11 th Grade	29.0 (23.3, 34.7)	14.1 (10.8, 17.4)	15.6 (13.0, 18.3)	15.2 (12.9, 17.6)
	12 th Grade	23.7 (17.9, 29.4)	18.8 (13.2, 24.5)	20.7 (17.1, 24.3)	15.4 (12.4, 18.4)
Race & Ethnicity	Black	26.0* (22.7, 29.2)	17.8* (13.8, 21.8)	23.1* (19.4, 26.7)	18.6* (15.2, 22.0)
	White	22.4* (18.2, 26.6)	16.1* (12.8, 19.3)	14.3* (12.9, 15.7)	14.6* (13.3, 16.0)
	Asian	15.5* (9.3, 21.8)	17.8* (12.1, 23.5)	14.6* (10, 19.1)	17.2* (12.9, 21.6)
	Multiple Races	31.8* (24.9, 38.7)	19.2* (14.1, 24.2)	26.0* (21.5, 30.6)	16.9* (13.0, 20.7)
	Hispanic	31.9* (24.0, 39.8)	23.7* (15.5, 31.9)	25.0* (18.7, 31.2)	22.1* (15.7, 28.5)
Sex	Female	24.5 (20.9, 28.0)	19.5 (16.2, 22.8)	16.4* (14.5, 18.3)	15.2* (13.5, 16.9)
	Male	24.8 (22.2, 27.4)	15.4 (12.9, 17.9)	18.4* (16.6, 20.2)	16.7* (14.9, 18.4)
Gender Identity	Cisgender	24.2 (21.7, 26.7)	17.2 (14.7, 19.7)	16.8* (15.4, 18.2)	15.7* (14.3, 17.1)
	Transgender / Non-Binary	35.0 (22.7, 47.4)	19.1 (10.3, 28.0)	31.5* (23.7, 39.3)	20.1* (13.2, 26.9)
Sexual Orientation	Heterosexual	22.2* (19.1, 25.2)	17.3* (14.7, 19.8)	14.6* (13.3, 15.9)	15.6* (14.1, 17.1)
	Gay or Lesbian	35.6* (22.4, 48.8)	11.3* (5.0, 17.6)	26.4* (18.1, 34.7)	19.3* (13.4, 25.2)
	Bisexual	34.2* (26.8, 41.5)	17.3* (10.1, 24.5)	25.2* (20.6, 29.8)	15.3* (11.5, 19.0)
	Questioning / Not Sure	28.8* (19.2, 38.4)	24.4* (13.9, 34.9)	25.3* (17.4, 33.2)	19.8* (13.2, 26.3)

Note: Only those with obesity or who were overweight are included in this table but chi-square tests capture within demographic group differences across all four BMI categories in each region respectively. More information about measurement of these metrics is available in Appendix A.

Appendix B: Demographic Tables

Appendix Table 8.3.B. Describe themselves as overweight			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	27.4 (24.1, 30.7)	25.9 (23.5, 28.3)
	10 th Grade	32.4 (29.0, 35.8)	29.9 (27.1, 32.8)
	11 th Grade	34.0 (29.7, 38.3)	27.3 (24.5, 30.1)
	12 th Grade	31.8 (26.6, 37.0)	29.9 (26.3, 33.5)
Race & Ethnicity	Black	27.6* (24.4, 30.7)	25.7 (22.2, 29.2)
	White	37.2* (33.0, 41.4)	28.6 (26.9, 30.3)
	Asian	28.1* (21.2, 35.0)	30.3 (25.0, 35.5)
	Multiple Races	37.3* (30.3, 44.2)	35.6 (31.0, 40.2)
	Hispanic	31.7* (24.6, 38.8)	28.7 (22.7, 34.6)
Sex	Female	34.9* (31.9, 37.9)	31.4* (29.3, 33.6)
	Male	28.4* (25.4, 31.4)	25.0* (23.0, 26.9)
Gender Identity	Cisgender	31.0 (29.0, 33.1)	27.2* (25.8, 28.7)
	Transgender / Non-Binary	44.0 (32.9, 55.1)	49.5* (41.7, 57.4)
Sexual Orientation	Heterosexual	27.3* (25.2, 29.4)	24.0* (22.5, 25.5)
	Gay or Lesbian	41.4* (29.6, 53.2)	43.6* (34.9, 52.3)
	Bisexual	43.3* (37.2, 49.4)	40.4* (35.9, 44.9)
	Questioning / Not Sure	52.3* (43.1, 61.5)	47.3* (39.0, 55.6)

Appendix Table 8.3.C. Trying to lose weight			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	45.3 (41.1, 49.4)	41.5 (38.7, 44.3)
	10 th Grade	45.2 (41.1, 49.3)	41.3 (38.5, 44.2)
	11 th Grade	45.8 (41.6, 49.9)	38.3 (35.0, 41.5)
	12 th Grade	43.1 (39.2, 47.1)	40.2 (36.8, 43.7)
Race & Ethnicity	Black	43.5 (40.2, 46.8)	41.8* (38.0, 45.7)
	White	44.5 (40.1, 48.8)	38.5* (36.7, 40.4)
	Asian	49.5 (42.7, 56.2)	47.3* (42.1, 52.4)
	Multiple Races	46.9 (39.8, 53.9)	46.6* (41.8, 51.5)
	Hispanic	52.7 (44.8, 60.6)	47.4* (40.3, 54.6)
Sex	Female	53.0* (49.3, 56.6)	50.6* (48.4, 52.8)
	Male	36.5* (33.6, 39.4)	30.0* (27.9, 32.1)
Gender Identity	Cisgender	44.7 (42.4, 47.0)	39.6* (37.9, 41.2)
	Transgender / Non-Binary	48.5 (37.2, 59.7)	57.7* (50.6, 64.8)
Sexual Orientation	Heterosexual	43.2* (40.9, 45.5)	36.8* (35.0, 38.7)
	Gay or Lesbian	39.4* (28.6, 50.1)	52.5* (45.0, 60.1)
	Bisexual	52.3* (46.1, 58.4)	54.1* (49.4, 58.8)
	Questioning / Not Sure	52.7* (43.2, 62.3)	50.4* (42.9, 57.9)

Appendix B: Demographic Tables

Appendix Table 8.3.D. Did anything to lose weight or keep from gaining weight in past 30 days			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9th Grade	60.4 (57.2, 63.6)	58.9 (56.0, 61.8)
	10th Grade	62.2 (58.3, 66.2)	57.0 (54.1, 59.8)
	11th Grade	60.2 (56.2, 64.1)	58.0 (54.6, 61.5)
	12th Grade	58.9 (54.1, 63.7)	57.2 (53.3, 61.1)
Race & Ethnicity	Black	59.5 (56.3, 62.8)	57.1 (53.2, 61.0)
	White	60.5 (55.8, 65.1)	56.9 (55.0, 58.9)
	Asian	62.7 (56.9, 68.6)	62.0 (57.2, 66.7)
	Multiple Races	60.7 (53.9, 67.5)	62.5 (57.7, 67.3)
	Hispanic	63.0 (55.6, 70.4)	64.4 (58.6, 70.3)
Sex	Female	61.2 (57.1, 65.2)	60.6* (58.5, 62.8)
	Male	59.2 (55.8, 62.5)	54.8* (52.5, 57.2)
Gender Identity	Cisgender	60.7 (58.7, 62.7)	57.5* (55.9, 59.1)
	Transgender / Non-Binary	58.5 (45.7, 71.3)	67.3* (60.5, 74.1)
Sexual Orientation	Heterosexual	61.0 (58.6, 63.4)	56.2* (54.4, 58.0)
	Gay or Lesbian	54.2 (42.4, 65.9)	60.6* (53.1, 68.2)
	Bisexual	60.9 (54.3, 67.5)	65.6* (61.0, 70.3)
	Questioning / Not Sure	69.2 (58.7, 79.6)	66.1* (58.5, 73.8)

Appendix Table 8.3.E. Trying to lose weight or keep from gaining weight by exercising			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9th Grade	48.7 (45.3, 52.0)	49.7 (47.2, 52.2)
	10th Grade	48.2 (43.9, 52.4)	47.5 (45.0, 49.9)
	11th Grade	48.9 (44.7, 53.1)	51.9 (48.3, 55.4)
	12th Grade	46.5 (40.6, 52.3)	46.6 (42.9, 50.3)
Race & Ethnicity	Black	46.1 (41.9, 50.2)	46.0 (42.2, 49.7)
	White	49.0 (44.2, 53.8)	49.6 (47.6, 51.5)
	Asian	52.3 (46.2, 58.5)	54.2 (49.2, 59.2)
	Multiple Races	49.4 (41.6, 57.1)	50.4 (45.5, 55.3)
	Hispanic	50.9 (42.1, 59.7)	52.4 (44.6, 60.2)
Sex	Female	41.5* (38.2, 44.8)	46.8* (44.6, 48.9)
	Male	54.8* (51.2, 58.4)	51.4* (49.1, 53.7)
Gender Identity	Cisgender	48.9* (46.6, 51.2)	49.6 (48.0, 51.1)
	Transgender / Non-Binary	31.3* (21.6, 40.9)	41.1 (33.4, 48.9)
Sexual Orientation	Heterosexual	51.1 (48.1, 54.2)	50.9 (49.2, 52.7)
	Gay or Lesbian	40.5 (30.2, 50.8)	39.6 (32.6, 46.6)
	Bisexual	41.9 (36.1, 47.7)	47.9 (43.0, 52.7)
	Questioning / Not Sure	48.0 (38.1, 57.8)	44.5 (36.3, 52.7)

Appendix Table 8.3.F. Trying to lose weight or keep from gaining weight by eating less			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	30.1 (27.0, 33.3)	31.6 (29.0, 34.2)
	10 th Grade	37.9 (34.0, 41.8)	34.8 (32.2, 37.4)
	11 th Grade	34.5 (30.1, 39.0)	34.6 (31.5, 37.7)
	12 th Grade	36.0 (30.4, 41.7)	35.3 (31.5, 39.2)
Race & Ethnicity	Black	30.8* (26.5, 35.1)	29.8* (25.7, 33.9)
	White	36.5* (32.5, 40.5)	34.7* (32.8, 36.6)
	Asian	40.0* (32.8, 47.1)	40.3* (34.9, 45.8)
	Multiple Races	41.2* (35.1, 47.2)	40.3* (35.6, 44.9)
	Hispanic	47.4* (39.9, 54.9)	40.0* (34.3, 45.7)
Sex	Female	40.0* (35.9, 44.1)	41.9* (39.6, 44.2)
	Male	29.6* (27.3, 31.9)	26.4* (24.4, 28.3)
Gender Identity	Cisgender	34.4 (31.7, 37.0)	33.3* (31.7, 34.9)
	Transgender / Non-Binary	45.1 (33.5, 56.7)	51.1* (43.6, 58.6)
Sexual Orientation	Heterosexual	32.8* (30.2, 35.4)	31.1* (29.5, 32.8)
	Gay or Lesbian	39.4* (28.6, 50.3)	42.6* (35.4, 49.9)
	Bisexual	40.5* (33.3, 47.8)	47.4* (42.5, 52.3)
	Questioning / Not Sure	48.7* (39.6, 57.9)	46.6* (38.9, 54.4)

Appendix Table 8.3.G. Trying to lose weight or keep from gaining weight by fasting			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	14.0 (11.4, 16.6)	9.5 (8.0, 11.0)
	10 th Grade	12.7 (10.4, 15.0)	9.4 (7.9, 10.8)
	11 th Grade	14.6 (9.6, 19.6)	9.9 (7.7, 12.0)
	12 th Grade	11.2 (7.1, 15.3)	8.9 (6.7, 11.1)
Race & Ethnicity	Black	12.3 (8.1, 16.4)	10.3* (7.4, 13.1)
	White	13.4 (10.6, 16.1)	8.4* (7.4, 9.4)
	Asian	11.1 (6.3, 15.9)	9.7* (6.2, 13.1)
	Multiple Races	18.0 (12.7, 23.2)	16.8* (13.2, 20.5)
	Hispanic	15.8 (10.6, 21.0)	12.4* (8.8, 16.0)
Sex	Female	18.5* (15.2, 21.9)	13.2* (11.6, 14.8)
	Male	7.6* (5.2, 10)	5.9* (4.8, 7.0)
Gender Identity	Cisgender	12.6 (10.2, 15.1)	9.1* (8.1, 10.2)
	Transgender / Non-Binary	17.5 (10.4, 24.6)	14.5* (10.3, 18.8)
Sexual Orientation	Heterosexual	10.4* (8.0, 12.8)	7.0* (6.0, 7.9)
	Gay or Lesbian	20.1* (12.3, 27.9)	18.2* (13.3, 23.1)
	Bisexual	21.9* (16.6, 27.1)	18.4* (15.0, 21.7)
	Questioning / Not Sure	23.7* (15.3, 32.2)	19.1* (12.1, 26.0)

Appendix B: Demographic Tables

Appendix Table 8.3.H. Trying to lose weight or keep from gaining weight by taking diet pills, powders, or liquids			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	1.5 (0.6, 2.4)	1.2 (0.6, 1.8)
	10 th Grade	2.1 (0.9, 3.3)	1.4 (0.9, 2.0)
	11 th Grade	1.0 (0.3, 1.7)	1.5 (0.6, 2.4)
	12 th Grade	1.8 (0.5, 3.1)	1.5 (0.8, 2.2)
Race & Ethnicity	Black	1.5 (0.7, 2.4)	1.6 (0.7, 2.5)
	White	1.2 (0.5, 2.0)	1.2 (0.8, 1.6)
	Asian	2.1 (0, 5.0)	2.1 (0.1, 4.0)
	Multiple Races	2.8 (1.1, 4.5)	2.4 (1.0, 3.9)
	Hispanic	3.6 (0.9, 6.2)	2.3 (0.7, 3.8)
Sex	Female	2.0 (1.2, 2.9)	1.3 (0.9, 1.8)
	Male	1.2 (0.6, 1.9)	1.5 (0.9, 2.1)
Gender Identity	Cisgender	1.3* (0.9, 1.8)	1.3 (1.0, 1.7)
	Transgender / Non-Binary	4.0* (0.6, 7.4)	2.5 (0.7, 4.3)
Sexual Orientation	Heterosexual	1.0* (0.5, 1.4)	1.1* (0.7, 1.5)
	Gay or Lesbian	4.6* (0.9, 8.2)	2.6* (0.9, 4.2)
	Bisexual	2.1* (0.4, 3.7)	1.5* (0.5, 2.6)
	Questioning / Not Sure	8.6* (2.1, 15.2)	4.4* (1.4, 7.5)

Appendix Table 8.3.I. Trying to lose weight or keep from gaining weight by vomiting or taking laxatives			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	4.2 (2.8, 5.6)	2.5 (1.7, 3.2)
	10 th Grade	3.9 (2.5, 5.3)	2.5 (1.8, 3.2)
	11 th Grade	3.3 (0.2, 6.4)	3.0 (1.7, 4.3)
	12 th Grade	1.5 (0.2, 2.7)	1.8 (1.0, 2.6)
Race & Ethnicity	Black	2.4 (0.8, 4.1)	1.9 (0.8, 3.0)
	White	3.9 (2.6, 5.2)	2.6 (2.0, 3.2)
	Asian	2.0 (0, 4.9)	2.5 (0.4, 4.6)
	Multiple Races	5.0 (1.9, 8.1)	3.9 (1.9, 5.8)
	Hispanic	4.4 (1.7, 7.1)	5.0 (2.6, 7.4)
Sex	Female	5.2* (3.3, 7.0)	3.8* (2.9, 4.6)
	Male	1.0* (0.5, 1.6)	1.3* (0.8, 1.8)
Gender Identity	Cisgender	2.7 (1.8, 3.7)	2.3 (1.9, 2.8)
	Transgender / Non-Binary	4.7 (0.6, 8.8)	3.7 (1.5, 6.0)
Sexual Orientation	Heterosexual	1.5* (0.4, 2.6)	1.4* (1.0, 1.9)
	Gay or Lesbian	8.8* (2.6, 15.1)	8.1* (4.2, 12.1)
	Bisexual	5.5* (3.3, 7.8)	4.9* (3.4, 6.4)
	Questioning / Not Sure	14.3* (7.5, 21.0)	8.9* (5.0, 12.8)

Appendix Table 8.3.I. Trying to lose weight or keep from gaining weight in past 30 days by doing something else			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	3.9 (2.4, 5.4)	3.9 (2.9, 4.9)
	10 th Grade	6.7 (4.9, 8.6)	4.9 (3.8, 6.1)
	11 th Grade	5.8 (4.0, 7.7)	4.7 (3.4, 6.0)
	12 th Grade	6.7 (4.1, 9.2)	4.1 (2.6, 5.5)
Race & Ethnicity	Black	6.3 (4.7, 7.9)	4.7* (3.4, 6.0)
	White	4.8 (3.2, 6.4)	3.9* (3.2, 4.7)
	Asian	4.4 (1.1, 7.7)	3.6* (1.4, 5.8)
	Multiple Races	10.2 (4.4, 15.9)	9.3* (5.7, 12.9)
	Hispanic	4.1 (1.4, 6.7)	4.6* (2.1, 7.1)
Sex	Female	6.8 (5.3, 8.2)	4.8 (3.9, 5.7)
	Male	4.4 (3.3, 5.6)	3.9 (3.1, 4.7)
Gender Identity	Cisgender	5.4 (4.4, 6.3)	4.2 (3.6, 4.7)
	Transgender / Non-Binary	13.6 (1.1, 26.2)	8.8 (3.5, 14.2)
Sexual Orientation	Heterosexual	4.4* (3.5, 5.4)	3.3* (2.8, 3.9)
	Gay or Lesbian	8.6* (2.7, 14.4)	4.6* (1.9, 7.3)
	Bisexual	9.0* (4.0, 14.0)	6.7* (4.3, 9.1)
	Questioning / Not Sure	11.0* (4.3, 17.6)	11.2* (6.0, 16.3)

Appendix B: Demographic Tables

Appendix Table 9.1. Saw a doctor or nurse for routine check-up in the past 12 months			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	54.7* (50.4, 59.1)	69.2 (66.5, 71.9)
	10 th Grade	55.9* (51.3, 60.5)	68.6 (65.5, 71.6)
	11 th Grade	62.3* (57.2, 67.4)	74.8 (71.6, 77.9)
	12 th Grade	65.2* (59.6, 70.9)	72.0 (68.2, 75.7)
Race & Ethnicity	Black	57.3* (53.5, 61.1)	61.7* (57.9, 65.6)
	White	67.8* (63.7, 71.8)	76.9* (75.2, 78.5)
	Asian	49.7* (40.7, 58.8)	57.8* (50.7, 64.9)
	Multiple Races	55.9* (48.3, 63.4)	63.3* (58.5, 68.1)
	Hispanic	57.1* (47.6, 66.5)	59.0* (52.5, 65.5)
Sex	Female	61.4 (57.4, 65.3)	72.2 (70, 74.3)
	Male	58.6 (55.1, 62.1)	70.3 (68.3, 72.4)
Gender Identity	Cisgender	60 (57.5, 62.5)	71.9* (70.4, 73.4)
	Transgender / Non-Binary	59.1 (45.5, 72.7)	55.0* (46.3, 63.8)
Sexual Orientation	Heterosexual	61.2 (58.5, 64.0)	73.9* (72.3, 75.5)
	Gay or Lesbian	60 (48.4, 71.6)	64.7* (57.1, 72.2)
	Bisexual	59.7 (49.3, 70.1)	66.2* (60.5, 71.9)
	Questioning / Not Sure	57.2 (47.5, 66.9)	54.3* (45.6, 63.0)

Appendix Table 9.2. Saw a dentist for routine check-up in the past 12 months			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	54.7 (49.9, 59.4)	71.6 (68.7, 74.6)
	10 th Grade	55.7 (51.2, 60.2)	71.6 (68.7, 74.5)
	11 th Grade	56.1 (51.2, 60.9)	74.4 (71.1, 77.8)
	12 th Grade	47.8 (40.4, 55.3)	66.7 (61.7, 71.8)
Race & Ethnicity	Black	50.7* (45.9, 55.6)	57.8* (53.8, 61.8)
	White	64.3* (60.2, 68.3)	80.1* (78.6, 81.7)
	Asian	37.2* (29.2, 45.2)	46.0* (39.5, 52.4)
	Multiple Races	44.6* (37.4, 51.8)	56.0* (50.8, 61.1)
	Hispanic	50.6* (40.2, 61.0)	56.3* (47.6, 65.0)
Sex	Female	55.0 (51.2, 58.8)	72.3 (70.1, 74.5)
	Male	52.5 (48.7, 56.2)	70.5 (68.3, 72.7)
Gender Identity	Cisgender	53.5 (50.4, 56.6)	72.0* (70.5, 73.6)
	Transgender / Non-Binary	53.0 (39.8, 66.3)	59.2* (50.9, 67.5)
Sexual Orientation	Heterosexual	54.4 (50.8, 58.0)	73.9* (72.1, 75.6)
	Gay or Lesbian	56.4 (46.4, 66.4)	65.2* (57.8, 72.7)
	Bisexual	51.2 (40.3, 62.1)	64.7* (58.9, 70.6)
	Questioning / Not Sure	64.0 (55.3, 72.7)	64.0* (56.5, 71.5)

Appendix Table 9.3. Saw a doctor, nurse, therapist, social worker, or counselor for a mental health issue in the past 12 months			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	39.4 (35.1, 43.8)	38.1 (35.6, 40.5)
	10 th Grade	35.1 (31.5, 38.7)	36.9 (34.2, 39.7)
	11 th Grade	34.9 (29.2, 40.6)	34.6 (31.2, 38.0)
	12 th Grade	38.3 (30.8, 45.9)	40.2 (35.9, 44.5)
Race & Ethnicity	Black	37.2 (31.7, 42.6)	37.4* (32.8, 42.0)
	White	42.2 (37.4, 47.0)	38.3* (36.3, 40.2)
	Asian	24.0 (17.4, 30.5)	22.7* (18.0, 27.4)
	Multiple Races	31.0 (24.4, 37.5)	36.6* (31.7, 41.4)
	Hispanic	30.8 (23.8, 37.9)	36.1* (29.8, 42.4)
Sex	Female	39.5 (35.1, 44.0)	41.4* (39.0, 43.9)
	Male	34.2 (31.3, 37.1)	33.1* (31.0, 35.1)
Gender Identity	Cisgender	35.8 (32.8, 38.8)	36.2* (34.5, 37.9)
	Transgender / Non-Binary	48.5 (36.1, 60.9)	57.6* (49.4, 65.8)
Sexual Orientation	Heterosexual	35.5 (32.5, 38.5)	34.8* (32.9, 36.6)
	Gay or Lesbian	39.6 (29.6, 49.6)	50.5* (42.0, 58.9)
	Bisexual	44.6 (35.2, 54.0)	47.9* (42.6, 53.1)
	Questioning / Not Sure	37.1 (27.0, 47.2)	41.6* (33.1, 50.1)

Appendix B: Demographic Tables

Appendix Table 9.4. Have asthma			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	8.4 (6.2, 10.6)	5.2 (4.0, 6.5)
	10 th Grade	9.3 (6.7, 11.9)	5.6 (4.2, 7.0)
	11 th Grade	8.7 (5.8, 11.6)	6.1 (4.6, 7.5)
	12 th Grade	11.8 (7.5, 16.1)	7.2 (4.8, 9.5)
Race & Ethnicity	Black	13.2* (10, 16.3)	10.5* (8.0, 12.9)
	White	4.3* (2.9, 5.7)	3.9* (3.1, 4.6)
	Asian	5.5* (2.7, 8.2)	5.8* (2.6, 9.0)
	Multiple Races	13.9* (8.8, 18.9)	8.3* (5.6, 11.0)
	Hispanic	11.1* (6.5, 15.6)	8.8* (5.6, 12.0)
Sex	Female	9.8 (7.0, 12.6)	5.5 (4.3, 6.6)
	Male	9.6 (7.5, 11.7)	6.7 (5.5, 7.9)
Gender Identity	Cisgender	10.1* (8.2, 11.9)	6.0 (5.2, 6.9)
	Transgender / Non-Binary	3.2* (0.6, 5.8)	6.3 (1.9, 10.6)
Sexual Orientation	Heterosexual	10.3 (8.0, 12.6)	6.1 (5.1, 7.1)
	Gay or Lesbian	9.7 (3.6, 15.8)	6.1 (3.4, 8.7)
	Bisexual	8.3 (2.6, 14.1)	6.0 (3.3, 8.7)
	Questioning / Not Sure	11.8 (5.7, 18.0)	6.5 (3.8, 9.3)

Appendix Table 9.5. Been to the emergency room or urgent care center because of asthma in the past 12 months (among those with asthma)			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	33.5 (26.3, 40.7)	24.3 (19.0, 29.6)
	10 th Grade	28.5 (22.1, 34.9)	23.2 (18.4, 28.0)
	11 th Grade	28.8 (21.0, 36.6)	25.4 (20, 30.8)
	12 th Grade	27.1 (16.3, 37.8)	23.7 (16.3, 31.0)
Race & Ethnicity	Black	33.0* (25.8, 40.3)	29.9* (23.6, 36.2)
	White	16.8* (10.8, 22.9)	19.4* (15.9, 22.9)
	Asian	<30	<30*
	Multiple Races	37.2* (27.2, 47.2)	26.1* (19.0, 33.1)
	Hispanic	<30	23.2* (14.5, 31.8)
Sex	Female	29.9 (20.8, 38.9)	23.6 (18.8, 28.5)
	Male	28.2 (23.8, 32.5)	25.2 (21.4, 29.1)
Gender Identity	Cisgender	29.7 (24.3, 35.1)	24.3 (21.2, 27.4)
	Transgender / Non-Binary	<30	<30
Sexual Orientation	Heterosexual	31.4 (25.5, 37.3)	24.9 (21.4, 28.4)
	Gay or Lesbian	<30	<30
	Bisexual	22.9 (6.6, 39.1)	21.7 (11.8, 31.7)
	Questioning / Not Sure	<30	<30

Appendix Table 10.1.A. Experienced housing insecurity			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	4.2 (2.6, 5.8)	3.1 (1.9, 4.2)
	10 th Grade	4.5 (2.9, 6.1)	3.8 (2.6, 5.1)
	11 th Grade	5.3 (3.4, 7.2)	4.0 (2.5, 5.5)
	12 th Grade	8.4 (4.8, 12.0)	6.0 (3.5, 8.4)
Race & Ethnicity	Black	6.6* (4.2, 9.0)	7.1* (4.7, 9.5)
	White	3.6* (2.0, 5.2)	2.4* (1.7, 3.2)
	Asian	2.7* (0.8, 4.6)	4.0* (0.7, 7.3)
	Multiple Races	9.3* (4.8, 13.8)	8.1* (4.9, 11.3)
	Hispanic	8.8* (4.3, 13.3)	6.7* (3.7, 9.6)
Sex	Female	5.1 (3.0, 7.2)	3.6 (2.4, 4.9)
	Male	6.5 (5.0, 7.9)	4.7 (3.6, 5.8)
Gender Identity	Cisgender	5.8 (4.4, 7.3)	4.1 (3.2, 4.9)
	Transgender / Non-Binary	5.7 (1.7, 9.6)	7.9 (3.3, 12.6)
Sexual Orientation	Heterosexual	4.5 (3.4, 5.5)	3.5 (2.8, 4.3)
	Gay or Lesbian	10.6 (4.6, 16.6)	7.9 (1.6, 14.2)
	Bisexual	6.6 (1.1, 12.0)	4.6 (1.4, 7.9)
	Questioning / Not Sure	7.4 (2.5, 12.4)	5.7 (2.4, 9.0)

Appendix Table 10.1.B. Moved one or more times since kindergarten			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	78.8 (75.2, 82.3)	69.8* (66.8, 72.8)
	10 th Grade	80.5 (77.0, 83.9)	70.4* (67.6, 73.2)
	11 th Grade	78.9 (75.5, 82.3)	66.7* (63.4, 70)
	12 th Grade	83.4 (79.7, 87.1)	75.2* (71.8, 78.7)
Race & Ethnicity	Black	85.8* (83.3, 88.4)	87.1* (84.9, 89.4)
	White	70.9* (67.4, 74.4)	60.9* (58.9, 62.8)
	Asian	81.7* (76.0, 87.4)	82.9* (78.9, 86.9)
	Multiple Races	83.6* (78.8, 88.4)	80.6* (77.3, 83.8)
	Hispanic	81.5* (76.1, 87.0)	79.3* (74.5, 84.1)
Sex	Female	81.0 (78.9, 83.1)	70.6 (68.7, 72.5)
	Male	80.2 (77.3, 83.1)	70.2 (68.2, 72.2)
Gender Identity	Cisgender	81.0 (79.2, 82.8)	70.4 (68.9, 71.9)
	Transgender / Non-Binary	76.3 (67.5, 85.2)	68.7 (61.5, 76.0)
Sexual Orientation	Heterosexual	80.5 (77.9, 83.0)	68.5* (66.5, 70.4)
	Gay or Lesbian	77.2 (70, 84.4)	71.7* (64.9, 78.5)
	Bisexual	84.7 (80.6, 88.8)	77.1* (73.2, 81.0)
	Questioning / Not Sure	78.0 (70.2, 85.8)	69.9* (62.7, 77.1)

Appendix B: Demographic Tables

Appendix Table 10.1.C. Parents talk with student almost every day about school			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	45.0 (40.8, 49.3)	55.1 (52.4, 57.9)
	10 th Grade	44.2 (40.4, 48.1)	55.2 (52.4, 58.1)
	11 th Grade	46.1 (40.3, 52.0)	57.3 (53.4, 61.2)
	12 th Grade	45.9 (36.2, 55.7)	51.3 (46.0, 56.5)
Race & Ethnicity	Black	47.6* (42.6, 52.7)	49.9* (45.7, 54.1)
	White	49.3* (45.1, 53.6)	59.6* (57.6, 61.7)
	Asian	28.7* (22.4, 35.1)	31.4* (26.2, 36.6)
	Multiple Races	38.8* (31.9, 45.8)	43.9* (38.8, 49.0)
	Hispanic	39.6* (32.1, 47.1)	43.8* (37.8, 49.8)
Sex	Female	43.6 (39.8, 47.4)	54.5 (52.1, 57.0)
	Male	47.3 (43.9, 50.8)	55.3 (53.1, 57.5)
Gender Identity	Cisgender	46.1 (43.1, 49.1)	55.6* (53.8, 57.3)
	Transgender / Non-Binary	40.3 (27.5, 53.2)	41.7* (33.3, 50.2)
Sexual Orientation	Heterosexual	47.7 (43.3, 52.1)	56.9* (54.9, 58.9)
	Gay or Lesbian	31.8 (19.4, 44.2)	44.0* (36.0, 51.9)
	Bisexual	41.8 (35.1, 48.4)	49.7* (44.9, 54.4)
	Questioning / Not Sure	43.8 (34.5, 53.2)	45.0* (37.2, 52.8)

Appendix Table 10.1.D. Had at least one meal with family in the past 7 days			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	80.3* (77.6, 83.0)	80.3* (77.6, 83.0)
	10 th Grade	79.9* (77.1, 82.8)	79.9* (77.1, 82.8)
	11 th Grade	72.8* (67.6, 78.1)	72.8* (67.6, 78.1)
	12 th Grade	72.4* (67.4, 77.5)	72.4* (67.4, 77.5)
Race & Ethnicity	Black	74.3 (71.2, 77.4)	74.3 (71.2, 77.4)
	White	79.2 (74.7, 83.7)	79.2 (74.7, 83.7)
	Asian	78.1 (71.9, 84.4)	78.1 (71.9, 84.4)
	Multiple Races	74.3 (68.4, 80.2)	74.3 (68.4, 80.2)
	Hispanic	79.7 (72.5, 86.9)	79.7 (72.5, 86.9)
Sex	Female	74.3 (70.3, 78.4)	74.3 (70.3, 78.4)
	Male	78.3 (74.8, 81.8)	78.3 (74.8, 81.8)
Gender Identity	Cisgender	76.9 (74.2, 79.5)	76.9 (74.2, 79.5)
	Transgender / Non-Binary	73.5 (63.8, 83.1)	73.5 (63.8, 83.1)
Sexual Orientation	Heterosexual	78.3 (75.8, 80.8)	78.3 (75.8, 80.8)
	Gay or Lesbian	74.6 (62.1, 87.2)	74.6 (62.1, 87.2)
	Bisexual	73.2 (66.9, 79.5)	73.2 (66.9, 79.5)
	Questioning / Not Sure	74.4 (66.7, 82.0)	74.4 (66.7, 82.0)

Appendix Table 10.1.E. Described their grades in school as A's and B's			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	66.1 (60.6, 71.6)	80.1 (77.2, 83.0)
	10 th Grade	65.8 (61.0, 70.6)	77.8 (75.2, 80.4)
	11 th Grade	69.2 (63.6, 74.7)	80.6 (77.4, 83.8)
	12 th Grade	59.3 (51.5, 67.1)	76.0 (71.2, 80.8)
Race & Ethnicity	Black	59.2* (54.8, 63.5)	64.8* (61.3, 68.4)
	White	72.6* (67.3, 78.0)	85.6* (84.2, 87.1)
	Asian	73.8* (66.5, 81.0)	79.0* (73.8, 84.3)
	Multiple Races	64.0* (55.6, 72.3)	71.8* (67.0, 76.6)
	Hispanic	57.1* (47.6, 66.6)	68.3* (61.5, 75.0)
Sex	Female	68.6* (64.3, 73.0)	80.7* (78.5, 82.9)
	Male	61.0* (57.2, 64.8)	76.8* (74.8, 78.8)
Gender Identity	Cisgender	64.9 (61.6, 68.2)	79.2* (77.6, 80.9)
	Transgender / Non-Binary	65.6 (55.2, 75.9)	70.2* (63.2, 77.3)
Sexual Orientation	Heterosexual	63.7 (59.4, 68.0)	80.7 (78.8, 82.7)
	Gay or Lesbian	71.6 (61.1, 82.2)	80 (72.1, 87.9)
	Bisexual	70.7 (63.3, 78.0)	75.4 (70.8, 79.9)
	Questioning / Not Sure	71.8 (62.1, 81.4)	73.5 (65.7, 81.4)

Appendix Table 10.1.F. Have one or more teachers or adults at school who they can talk to if they have a problem			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	60.5 (56.5, 64.5)	65.3 (62.1, 68.5)
	10 th Grade	59.0 (54.4, 63.6)	63.4 (60.3, 66.5)
	11 th Grade	60.5 (53.7, 67.3)	68.3 (65.2, 71.5)
	12 th Grade	56.4 (50, 62.8)	68.8 (64.8, 72.9)
Race & Ethnicity	Black	53.8* (48.6, 59.0)	56.3* (52.1, 60.6)
	White	69.0* (64.5, 73.6)	72.1* (70.3, 74.0)
	Asian	54.2* (46.8, 61.6)	52.2* (46.7, 57.7)
	Multiple Races	59.8* (51.8, 67.7)	62.1* (57.0, 67.2)
	Hispanic	51.0* (43.7, 58.3)	60.1* (54.2, 65.9)
Sex	Female	57.9 (53.6, 62.2)	66.9 (64.5, 69.4)
	Male	60.9 (57.7, 64.1)	66.3 (64.2, 68.4)
Gender Identity	Cisgender	58.9 (56.2, 61.7)	66.9 (65.3, 68.5)
	Transgender / Non-Binary	59.6 (46.1, 73.0)	60.3 (52.1, 68.4)
Sexual Orientation	Heterosexual	60.1 (57.1, 63.1)	68.3* (66.6, 70.0)
	Gay or Lesbian	66.0 (54.7, 77.4)	65.6* (57.6, 73.7)
	Bisexual	57.2 (50.9, 63.4)	60.4* (55.7, 65.2)
	Questioning / Not Sure	53.8 (44.9, 62.8)	62.1* (55.4, 68.7)

Appendix B: Demographic Tables

Appendix Table 10.1.G. Spent at least one day in clubs or organizations outside of school in the past 7 days			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9th Grade	49.3 (44.1, 54.5)	59.6* (56.2, 62.9)
	10th Grade	51.8 (46.0, 57.5)	56.2* (53.1, 59.2)
	11th Grade	49.1 (41.6, 56.5)	59.9* (55.9, 63.9)
	12th Grade	39.8 (34.5, 45.1)	48.7* (44.5, 52.8)
Race & Ethnicity	Black	45.4 (41.1, 49.8)	45.5* (41.6, 49.4)
	White	49.7 (45.5, 53.9)	61.6* (59.7, 63.6)
	Asian	50.9 (42.2, 59.6)	54.8* (48.2, 61.4)
	Multiple Races	43.3 (36.7, 49.8)	52.0* (46.7, 57.3)
	Hispanic	45.6 (36.8, 54.4)	54.6* (48.2, 61.0)
Sex	Female	48.6 (44.5, 52.7)	59.9* (57.5, 62.3)
	Male	45.4 (41.6, 49.3)	53.1* (50.7, 55.5)
Gender Identity	Cisgender	47.1 (44.1, 50.2)	56.4 (54.6, 58.3)
	Transgender / Non-Binary	47.8 (34.3, 61.2)	58.2 (49.5, 66.8)
Sexual Orientation	Heterosexual	46.5 (43.3, 49.6)	57.4 (55.3, 59.4)
	Gay or Lesbian	52.1 (41.1, 63.1)	53.8 (46.1, 61.5)
	Bisexual	49.8 (40.5, 59.1)	50.5 (44.9, 56.1)
	Questioning / Not Sure	58.3 (48.6, 68.0)	60.4 (52.1, 68.7)

Appendix B: Demographic Tables

Appendix Table 10.2.A. Combined lifetime prevalence of emotional abuse			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	53.6 (49.3, 57.9)	53.3 (50.8, 55.8)
	10 th Grade	53.2 (48.8, 57.7)	52.5 (49.6, 55.3)
	11 th Grade	54.9 (50.2, 59.6)	57.0 (53.7, 60.3)
	12 th Grade	50.5 (44.0, 57.0)	53.5 (49.2, 57.7)
	Race & Ethnicity		
	Black	43.3* (39.4, 47.3)	45.5* (42.0, 48.9)
	White	64.4* (60.5, 68.3)	56.6* (54.7, 58.5)
	Asian	50.8* (44.4, 57.3)	55.8* (50.7, 60.9)
	Multiple Races	66.5* (60.2, 72.7)	66.1* (61.6, 70.7)
	Hispanic	52.7* (44.7, 60.8)	57.5* (50.4, 64.6)
Sex	Female	58.6* (54.5, 62.7)	61.1* (58.9, 63.3)
	Male	46.7* (43.6, 49.8)	47.1* (45.0, 49.2)
Gender Identity	Cisgender	51.6* (48.7, 54.4)	52.8* (51.2, 54.4)
	Transgender / Non-Binary	71.4* (60.0, 82.7)	77.1* (70.0, 84.2)
Sexual Orientation	Heterosexual	47.5* (44.3, 50.8)	48.7* (46.9, 50.6)
	Gay or Lesbian	71.9* (63.3, 80.5)	72.5* (65.9, 79.1)
	Bisexual	71.3* (64.8, 77.9)	77.3* (73.0, 81.5)
	Questioning / Not Sure	81.0* (74.0, 87.9)	77.3* (70.9, 83.6)

Appendix Table 10.2.B. Combined lifetime prevalence of physical abuse			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	30.8 (27.7, 34.0)	24.4 (21.9, 26.9)
	10 th Grade	34.0 (29.4, 38.5)	27.1 (24.3, 29.9)
	11 th Grade	36.3 (31.5, 41.1)	24.6 (21.7, 27.6)
	12 th Grade	26.7 (21.1, 32.4)	25.1 (21.6, 28.5)
Race & Ethnicity	Black	29.0 (25.3, 32.8)	28.9* (25.6, 32.1)
	White	31.9 (27.1, 36.7)	21.3* (19.6, 22.9)
	Asian	36.7 (28.7, 44.7)	40.4* (34.3, 46.4)
	Multiple Races	37.6 (31.4, 43.8)	37.6* (32.9, 42.4)
	Hispanic	41.4 (33.8, 49.0)	34.3* (29.2, 39.4)
	Sex	Female	32.3 (28.7, 35.8)
	Male	30.9 (27.8, 34.0)	25.0 (23.2, 26.9)
Gender Identity	Cisgender	30.8* (27.9, 33.6)	24.2* (22.8, 25.7)
	Transgender / Non-Binary	47.1* (36.3, 57.9)	45.0* (37.6, 52.5)
Sexual Orientation	Heterosexual	28.9* (25.9, 31.8)	21.4* (19.8, 22.9)
	Gay or Lesbian	44.0* (32.0, 55.9)	42.8* (34.8, 50.7)
	Bisexual	37.7* (30.7, 44.7)	37.4* (32.7, 42.0)
	Questioning / Not Sure	58.9* (48.9, 68.9)	40.2* (32.2, 48.1)

Appendix B: Demographic Tables

Appendix Table 10.2.C. Lifetime prevalence of sexual abuse			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	7.2 (5.4, 8.9)	4.9 (3.7, 6.1)
	10 th Grade	7.3 (5.6, 9.0)	5.4 (4.3, 6.6)
	11 th Grade	8.8 (5.4, 12.2)	6.3 (4.7, 7.9)
	12 th Grade	9.4 (6.1, 12.7)	6.7 (4.9, 8.5)
Race & Ethnicity	Black	7.1 (4.8, 9.4)	6.5* (4.6, 8.4)
	White	9.8 (7.0, 12.7)	4.9* (4.1, 5.7)
	Asian	8.9 (4.3, 13.6)	6.4* (3.4, 9.5)
	Multiple Races	9.8 (5.8, 13.9)	10.8* (7.6, 14.0)
	Hispanic	10.5 (6.3, 14.8)	10.7* (6.8, 14.6)
Sex	Female	12.4* (9.4, 15.3)	9.2* (7.9, 10.6)
	Male	4.6* (3.4, 5.9)	2.6* (2.0, 3.2)
Gender Identity	Cisgender	7.4* (6.1, 8.7)	5.0* (4.3, 5.7)
	Transgender / Non-Binary	25.2* (14.1, 36.4)	23.4* (16.8, 30)
Sexual Orientation	Heterosexual	5.3* (3.9, 6.7)	3.2* (2.6, 3.8)
	Gay or Lesbian	17.0* (10.0, 24.0)	13.9* (10, 17.8)
	Bisexual	16.0* (10.4, 21.6)	15.8* (12.0, 19.5)
	Questioning / Not Sure	21.1* (13.0, 29.3)	12.5* (8.2, 16.7)

Appendix Table 10.2.D. Lifetime prevalence of physical neglect			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	12.2 (9.2, 15.1)	8.2 (6.7, 9.7)
	10 th Grade	12.5 (9.2, 15.9)	10.4 (8.5, 12.3)
	11 th Grade	14.2 (10, 18.3)	8.2 (6.3, 10.1)
	12 th Grade	22.5 (13.4, 31.5)	14.0 (9.6, 18.5)
Race & Ethnicity	Black	17.5 (13.6, 21.5)	14.8 (11.9, 17.7)
	White	13.4 (8.9, 17.9)	7.8 (6.6, 9.0)
	Asian	14.3 (9.2, 19.5)	13.5 (9.5, 17.6)
	Multiple Races	15.3 (7.3, 23.2)	9.9 (6.0, 13.9)
	Hispanic	19.3 (13.3, 25.3)	13.8 (9.8, 17.8)
Sex	Female	14.5 (9.9, 19.1)	8.1 (6.4, 9.9)
	Male	17.1 (14.0, 20.2)	11.9 (10.3, 13.6)
Gender Identity	Cisgender	16.0 (12.7, 19.4)	10.2 (8.9, 11.5)
	Transgender / Non-Binary	12.9 (5.8, 20.1)	7.1 (3.9, 10.4)
Sexual Orientation	Heterosexual	15.4 (12.2, 18.5)	10.1 (8.7, 11.5)
	Gay or Lesbian	14.5 (7.7, 21.4)	6.9 (4.2, 9.7)
	Bisexual	13.8 (7.1, 20.4)	8.2 (5.1, 11.2)
	Questioning / Not Sure	15.3 (8.0, 22.6)	8.9 (5.2, 12.7)

Appendix Table 10.2.E. Lifetime prevalence of witness intimate partner violence			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	22.2 (19.3, 25.1)	15.3 (13.4, 17.2)
	10 th Grade	20.9 (17.6, 24.2)	15.7 (13.6, 17.8)
	11 th Grade	21.4 (17.0, 25.8)	16.3 (13.7, 18.8)
	12 th Grade	15.6 (10.6, 20.5)	16.2 (13.0, 19.5)
Race & Ethnicity	Black	18.0* (14.5, 21.4)	18.5* (15.5, 21.6)
	White	20.4* (17.0, 23.8)	13.4* (12.1, 14.6)
	Asian	20.2* (15.4, 25.1)	20.7* (16.6, 24.8)
	Multiple Races	29.7* (23.9, 35.6)	26.7* (22.7, 30.8)
	Hispanic	24.0* (17.3, 30.7)	24.6* (17.0, 32.3)
Sex	Female	22.2* (19.1, 25.2)	18.8* (17.0, 20.6)
	Male	18.0* (15.6, 20.3)	13.1* (11.7, 14.6)
Gender Identity	Cisgender	19.2* (17.0, 21.5)	15.3* (14.1, 16.5)
	Transgender / Non-Binary	33.9* (23.3, 44.6)	30.0* (23.0, 37.1)
Sexual Orientation	Heterosexual	17.4* (14.6, 20.2)	12.5* (11.3, 13.8)
	Gay or Lesbian	25.1* (17.0, 33.1)	28.9* (20.8, 37.1)
	Bisexual	29.6* (23.6, 35.6)	25.7* (21.8, 29.5)
	Questioning / Not Sure	33.3* (24.2, 42.5)	30.1* (22.0, 38.1)

Appendix Table 10.2.F. Lifetime prevalence of household substance abuse			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	23.3 (19.5, 27.0)	19.6 (17.3, 21.8)
	10 th Grade	24.5 (21.3, 27.8)	18.4 (16.4, 20.5)
	11 th Grade	26.2 (20.9, 31.4)	20.2 (17.2, 23.2)
	12 th Grade	28.1 (19.9, 36.4)	23.5 (19.6, 27.4)
Race & Ethnicity	Black	18.0* (13.2, 22.8)	15.9* (12.3, 19.5)
	White	37.7* (33.7, 41.7)	21.4* (19.7, 23.1)
	Asian	16.6* (12.0, 21.2)	14.1* (10.4, 17.9)
	Multiple Races	31.7* (25.2, 38.2)	30.4* (25.7, 35.0)
	Hispanic	26.7* (19.2, 34.2)	31.8* (25.9, 37.8)
Sex	Female	27.1 (21.8, 32.5)	23.0* (20.6, 25.4)
	Male	24.5 (21.4, 27.6)	17.8* (16.1, 19.4)
Gender Identity	Cisgender	25.3* (22.3, 28.3)	19.6* (18.1, 21.0)
	Transgender / Non-Binary	40.7* (28.1, 53.3)	38.3* (30.3, 46.4)
Sexual Orientation	Heterosexual	22.4* (19.5, 25.4)	16.5* (15.1, 17.9)
	Gay or Lesbian	34.2* (23.3, 45.2)	29.2* (22.9, 35.6)
	Bisexual	39.4* (28.7, 50.2)	37.6* (31.9, 43.3)
	Questioning / Not Sure	37.7* (27.8, 47.6)	36.6* (28.7, 44.5)

Appendix B: Demographic Tables

Appendix Table 10.2.G. Lifetime prevalence of household mental illness			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	26.2* (22.3, 30)	21.9* (19.4, 24.3)
	10 th Grade	30.0* (26.2, 33.8)	25.1* (22.7, 27.4)
	11 th Grade	32.8* (28.5, 37.2)	27.9* (24.9, 30.9)
	12 th Grade	38.9* (31.9, 45.8)	31.9* (28.2, 35.6)
Race & Ethnicity	Black	25.9* (22.4, 29.4)	22.9* (19.6, 26.3)
	White	46.9* (42.7, 51.2)	28.0* (26.3, 29.7)
	Asian	10.5* (6.3, 14.7)	9.7* (6.6, 12.9)
	Multiple Races	38.5* (31.3, 45.7)	37.8* (32.8, 42.8)
	Hispanic	24.6* (17.1, 32.1)	28.8* (23.1, 34.5)
Sex	Female	39.0* (34.7, 43.3)	33.5* (31.3, 35.7)
	Male	25.4* (22.7, 28.0)	19.4* (17.8, 21.0)
Gender Identity	Cisgender	30.6* (28.1, 33.1)	25.0* (23.5, 26.4)
	Transgender / Non-Binary	60.6* (50, 71.1)	57.4* (49.4, 65.5)
Sexual Orientation	Heterosexual	24.7* (22.3, 27.1)	20.1* (18.7, 21.5)
	Gay or Lesbian	58.3* (48.3, 68.2)	50.8* (42.5, 59.0)
	Bisexual	59.8* (52.0, 67.7)	54.0* (49.1, 58.9)
	Questioning / Not Sure	45.1* (33.9, 56.2)	41.4* (33.2, 49.6)

Appendix Table 10.2.H. Lifetime prevalence of incarcerated relative			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	18.8 (15.5, 22.1)	13.8 (11.5, 16.1)
	10 th Grade	20.2 (17.0, 23.4)	13.2 (11.2, 15.2)
	11 th Grade	23.9 (18.5, 29.4)	13.6 (10.9, 16.3)
	12 th Grade	22.5 (14.1, 30.9)	16.3 (12.1, 20.5)
Race & Ethnicity	Black	22.9* (17.3, 28.4)	21.8* (18.1, 25.5)
	White	22.3* (18.5, 26.1)	10.5* (9.3, 11.8)
	Asian	5.0* (2.6, 7.5)	4.3* (2.4, 6.2)
	Multiple Races	28.7* (22.9, 34.6)	26.0* (21.6, 30.3)
	Hispanic	20.6* (14.3, 26.9)	21.4* (16.5, 26.4)
Sex	Female	23.3 (18.5, 28.0)	15.1 (13.0, 17.1)
	Male	20 (16.7, 23.3)	13.4 (11.8, 15.1)
Gender Identity	Cisgender	21.4 (18.4, 24.4)	14.0 (12.8, 15.2)
	Transgender / Non-Binary	30.2 (18.3, 42.1)	20.3 (13.5, 27.0)
Sexual Orientation	Heterosexual	18.4* (15.8, 21.0)	12.5* (11.2, 13.7)
	Gay or Lesbian	40.0* (28.1, 52.0)	21.5* (14.2, 28.7)
	Bisexual	31.7* (21.1, 42.3)	21.8* (16.8, 26.7)
	Questioning / Not Sure	23.4* (15.1, 31.7)	19.0* (11.9, 26.1)

Appendix Table 10.2.I. Lifetime prevalence of racial/ethnic discrimination			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	42.2 (38.7, 45.6)	29.1 (26.0, 32.1)
	10 th Grade	43.1 (38.8, 47.4)	32.0 (29.1, 34.9)
	11 th Grade	40.8 (35.6, 46.1)	26.9 (23.9, 29.9)
	12 th Grade	40.1 (34.3, 45.9)	30.5 (26.0, 35.0)
Race & Ethnicity	Black	44.7* (41.1, 48.4)	51.5* (47.7, 55.2)
	White	25.6* (21.0, 30.2)	14.6* (13.1, 16.0)
	Asian	56.7* (49.6, 63.9)	60.5* (55.1, 66.0)
	Multiple Races	57.4* (50.7, 64.1)	56.0* (51.1, 61.0)
	Hispanic	53.5* (46.7, 60.4)	60.6* (54.1, 67.2)
Sex	Female	45.3* (41.9, 48.8)	31.3 (28.9, 33.6)
	Male	37.1* (34.1, 40.2)	27.7 (25.9, 29.5)
Gender Identity	Cisgender	41.6 (39.0, 44.1)	29.6 (28.0, 31.2)
	Transgender / Non-Binary	36.5 (25.8, 47.2)	25.2 (19.0, 31.3)
Sexual Orientation	Heterosexual	40.6 (36.9, 44.3)	27.9 (26.2, 29.6)
	Gay or Lesbian	46.0 (33.4, 58.6)	28.8 (20.3, 37.4)
	Bisexual	44.3 (38.9, 49.6)	34.8 (30.5, 39.1)
	Questioning / Not Sure	56.6 (47.6, 65.6)	31.3 (24.3, 38.3)

Appendix Table 10.2.J. Lifetime prevalence of sexual minority discrimination			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	20.8* (17.4, 24.1)	18.4 (16.3, 20.5)
	10 th Grade	20.4* (17.0, 23.9)	16.5 (14.3, 18.7)
	11 th Grade	25.5* (20.4, 30.6)	19.9 (17.0, 22.8)
	12 th Grade	19.5* (14.8, 24.3)	19.8 (16.5, 23.0)
Race & Ethnicity	Black	17.2* (14.5, 19.9)	15.7* (12.6, 18.7)
	White	28.6* (24.1, 33.1)	19.7* (17.9, 21.4)
	Asian	14.8* (9.5, 20)	13.6* (9.7, 17.4)
	Multiple Races	28.5* (21.9, 35.1)	26.9* (22.6, 31.3)
	Hispanic	22.1* (16.5, 27.8)	21.0* (16.5, 25.5)
Sex	Female	27.4* (23.5, 31.4)	24.6* (22.4, 26.8)
	Male	15.2* (13.1, 17.3)	12.4* (11.0, 13.8)
Gender Identity	Cisgender	18.1* (15.7, 20.5)	15.6* (14.3, 16.9)
	Transgender / Non-Binary	80.8* (73.1, 88.4)	80.6* (74.3, 86.8)
Sexual Orientation	Heterosexual	8.3* (6.5, 10.0)	6.6* (5.7, 7.5)
	Gay or Lesbian	74.0* (65.0, 83.0)	80.0* (74.1, 85.8)
	Bisexual	54.4* (45.5, 63.2)	59.0* (53.8, 64.2)
	Questioning / Not Sure	45.8* (35.6, 56.1)	49.5* (41.3, 57.8)

Appendix B: Demographic Tables

Appendix Table 10.2.K. Lifetime exposure to community violence			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9th Grade	34.1 (30.6, 37.5)	21.7 (18.9, 24.4)
	10th Grade	36.1 (32.4, 39.8)	22.2 (19.6, 24.8)
	11th Grade	38.6 (34.0, 43.2)	19.2 (16.0, 22.5)
	12th Grade	38.4 (32.6, 44.2)	24.3 (20.2, 28.3)
Race & Ethnicity	Black	38.0* (34.4, 41.6)	33.4* (30, 36.8)
	White	36.7* (31.8, 41.6)	15.2* (13.8, 16.7)
	Asian	22.1* (15.9, 28.2)	18.1* (13.4, 22.8)
	Multiple Races	44.1* (38.7, 49.5)	34.7* (30.9, 38.5)
	Hispanic	36.5* (28.8, 44.3)	31.2* (25.9, 36.5)
Sex	Female	33.1* (30, 36.2)	19.6* (17.8, 21.5)
	Male	40.8* (37.9, 43.8)	23.9* (22.1, 25.8)
Gender Identity	Cisgender	36.9 (34.8, 39.1)	21.3* (20.0, 22.7)
	Transgender / Non-Binary	35.9 (26.2, 45.6)	30.9* (24.3, 37.5)
Sexual Orientation	Heterosexual	37.1 (34.7, 39.5)	19.4* (17.9, 20.8)
	Gay or Lesbian	37.3 (26.5, 48.2)	23.7* (17.1, 30.3)
	Bisexual	37.3 (30, 44.7)	27.8* (23.5, 32.2)
	Questioning / Not Sure	39.5 (29.2, 49.8)	27.3* (19.4, 35.1)

Appendix Table 10.2.L. Centers for Disease Control and Prevention Tier 2 Core Adverse Childhood Experiences (ACEs) Scale					
		Akron City		Summit County	
		No ACEs % (95% CI)	4+ ACEs % (95% CI)	No ACEs % (95% CI)	4+ ACEs % (95% CI)
Grade Level	9 th Grade	25.9 (22.4, 29.4)	34.5 (30.5, 38.6)	25.7* (22.9, 28.5)	13.7 (11.7, 15.7)
	10 th Grade	27.2 (23.2, 31.3)	38.1 (34.0, 42.2)	21.8* (19.5, 24.2)	14.1 (12.0, 16.2)
	11 th Grade	23.4 (19.2, 27.6)	41.0 (35.6, 46.3)	23.2* (20.1, 26.3)	15.0 (12.4, 17.5)
	12 th Grade	22.5 (17.1, 27.9)	40.3 (30.9, 49.7)	17.2* (13.9, 20.5)	19.2 (14.8, 23.6)
Race & Ethnicity	Black	28.8* (24.2, 33.3)	33.3* (28.1, 38.5)	13.4* (10.8, 16.0)	16.5* (12.9, 20.2)
	White	19.5* (16.0, 23.0)	44.2* (39.2, 49.2)	27.5* (25.7, 29.3)	13.8* (12.5, 15.2)
	Asian	30.1* (23.8, 36.4)	31.3* (24.2, 38.4)	16.3* (12.4, 20.2)	11.9* (8.2, 15.5)
	Multiple Races	16.6* (11.2, 22.0)	54.7* (47.7, 61.7)	10.6* (7.6, 13.6)	28.9* (24.2, 33.6)
	Hispanic	21.0* (14.0, 27.9)	38.2* (30.2, 46.1)	10.4* (6.4, 14.3)	22.9* (18.2, 27.7)
Sex	Female	22.1* (18.7, 25.5)	42.3* (37.7, 46.9)	17.9* (16.0, 19.8)	18.9* (16.9, 20.9)
	Male	27.2* (24.4, 29.9)	34.6* (30.6, 38.5)	26.7* (24.7, 28.6)	11.9* (10.4, 13.4)
Gender Identity	Cisgender	25.4* (22.8, 28.0)	36.8* (33.5, 40)	23.1* (21.7, 24.6)	14.4* (13.1, 15.8)
	Transgender / Non-Binary	8.0* (2.4, 13.5)	74.9* (65.5, 84.3)	4.8* (1.1, 8.6)	35.5* (27.5, 43.5)
Sexual Orientation	Heterosexual	29.8* (27.0, 32.7)	31.5* (27.9, 35.1)	26.6* (24.9, 28.3)	10.8* (9.6, 12.1)
	Gay or Lesbian	11.9* (6.2, 17.6)	66.5* (57.2, 75.8)	5.5* (2.0, 9.0)	31.7* (22.9, 40.5)
	Bisexual	8.9* (4.9, 12.8)	57.7* (49.1, 66.4)	5.7* (3.1, 8.3)	31.9* (26.5, 37.3)
	Questioning / Not Sure	6.7* (1.8, 11.6)	64.3* (54.6, 74.0)	7.6* (3.4, 11.8)	33.5* (25.2, 41.8)

Note: Only those with no Tier 2 ACEs or 4 or more ACEs are included in this table but chi-square tests capture within demographic group differences across all four categories in each region respectively. More information about measurement of these Tier 2 ACEs metrics is available in Appendix A.

Appendix B: Demographic Tables

Appendix Table 10.2.M. Centers for Disease Control and Prevention’s (CDC) Division of Violence Prevention (DVP) -Expanded Adverse Childhood Experiences (ACEs) Scale					
		Akron City		Summit County	
		No ACEs % (95% CI)	4+ ACEs % (95% CI)	No ACEs % (95% CI)	4+ ACEs % (95% CI)
Grade Level	9 th Grade	15.3 (12.4, 18.1)	34.5 (30.5, 38.6)	25.7* (22.9, 28.5)	25.6* (22.9, 28.3)
	10 th Grade	15.6 (12.3, 18.8)	38.1 (34.0, 42.2)	21.8* (19.5, 24.2)	25.3* (22.7, 28.0)
	11 th Grade	12.3 (9.4, 15.2)	41.0 (35.6, 46.3)	23.2* (20.1, 26.3)	25.6* (22.3, 28.9)
	12 th Grade	10.7 (7.9, 13.6)	40.3 (30.9, 49.7)	17.2* (13.9, 20.5)	29.0* (24.5, 33.4)
Race & Ethnicity	Black	12.8* (10.5, 15.2)	33.3* (28.1, 38.5)	13.4* (10.8, 16.0)	30.7* (26.7, 34.7)
	White	14.3* (11.6, 17.0)	44.2* (39.2, 49.2)	27.5* (25.7, 29.3)	22.2* (20.4, 23.9)
	Asian	17.2* (11.7, 22.6)	31.3* (24.2, 38.4)	16.3* (12.4, 20.2)	29.7* (24.5, 34.9)
	Multiple Races	8.8* (4.5, 13.2)	54.7* (47.7, 61.7)	10.6* (7.6, 13.6)	48.5* (43.3, 53.7)
	Hispanic	10.4* (5.5, 15.3)	38.2* (30.2, 46.1)	10.4* (6.4, 14.3)	37.8* (31.9, 43.7)
Sex	Female	11.0* (9.0, 13.0)	42.3* (37.7, 46.9)	17.9* (16.0, 19.8)	30.7* (28.5, 33.0)
	Male	15.7* (13.5, 17.9)	34.6* (30.6, 38.5)	26.7* (24.7, 28.6)	21.7* (19.8, 23.6)
Gender Identity	Cisgender	13.6* (12.1, 15.2)	36.8* (33.5, 40)	23.1* (21.7, 24.6)	24.6* (23.2, 26.1)
	Transgender / Non-Binary	6.3* (1.2, 11.3)	74.9* (65.5, 84.3)	4.8* (1.1, 8.6)	63.1* (55.0, 71.2)
Sexual Orientation	Heterosexual	16.3* (14.4, 18.2)	31.5* (27.9, 35.1)	26.6* (24.9, 28.3)	19.0* (17.6, 20.4)
	Gay or Lesbian	3.8* (0.5, 7.1)	66.5* (57.2, 75.8)	5.5* (2.0, 9.0)	53.3* (45.3, 61.2)
	Bisexual	3.6* (1.8, 5.4)	57.7* (49.1, 66.4)	5.7* (3.1, 8.3)	52.9* (47.9, 58.0)
	Questioning / Not Sure	2.0* (0, 4.7)	64.3* (54.6, 74.0)	7.6* (3.4, 11.8)	50.6* (42.6, 58.7)

Note: Only those with no DVP-Expanded ACEs or 4 or more ACEs are included in this table but chi-square tests capture within demographic group differences across all four categories in each region respectively. More information about measurement of these expanded metrics is available in Appendix A.

Appendix Table 10.3.A. Presence of a supportive adult			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	47.5* (43.1, 51.9)	61.1* (58.1, 64.2)
	10 th Grade	44.6* (40.9, 48.3)	55.7* (53.1, 58.4)
	11 th Grade	42.3* (37.2, 47.5)	59.0* (55.0, 63.0)
	12 th Grade	34.6* (29.7, 39.4)	50.0* (45.6, 54.4)
Race & Ethnicity	Black	41.6 (38.2, 45.0)	44.9* (41.2, 48.5)
	White	45.6 (41.2, 50.1)	64.0* (62.1, 65.8)
	Asian	38.1 (31.7, 44.6)	42.5* (37.2, 47.8)
	Multiple Races	38.7 (31.7, 45.8)	45.2* (40.0, 50.3)
	Hispanic	30.8 (24.0, 37.5)	42.3* (34.8, 49.9)
Sex	Female	35.8* (32.2, 39.5)	52.9* (50.6, 55.1)
	Male	48.8* (45.6, 52.1)	61.3* (59.0, 63.6)
Gender Identity	Cisgender	42.7 (40.3, 45.1)	58.0* (56.3, 59.7)
	Transgender / Non-Binary	34.4 (21.3, 47.5)	41.5* (32.8, 50.2)
Sexual Orientation	Heterosexual	47.0* (44.5, 49.4)	62.3* (60.5, 64.2)
	Gay or Lesbian	32.0* (21.2, 42.7)	49.2* (40.5, 57.9)
	Bisexual	29.8* (23.0, 36.6)	38.8* (34.0, 43.7)
	Questioning / Not Sure	27.0* (17.8, 36.2)	37.0* (29.3, 44.7)

Appendix Table 10.3.B. Presence of peer support			
		Akron City % (95% CI)	Summit County % (95% CI)
Grade Level	9 th Grade	48.5 (44.6, 52.5)	59.2 (56.1, 62.2)
	10 th Grade	45.7 (42.3, 49.2)	53.5 (50.4, 56.6)
	11 th Grade	49.5 (44.6, 54.4)	59.6 (56.3, 62.9)
	12 th Grade	42.0 (34.1, 50.0)	53.8 (49.1, 58.4)
Race & Ethnicity	Black	43.1 (38.9, 47.3)	43.9* (40.3, 47.6)
	White	48.7 (44.7, 52.7)	62.6* (60.7, 64.5)
	Asian	47.2 (39.6, 54.8)	52.6* (46.9, 58.3)
	Multiple Races	51.3 (44.7, 57.9)	52.5* (47.4, 57.5)
	Hispanic	46.9 (38.0, 55.9)	50.0* (41.8, 58.1)
Sex	Female	45.3 (41.3, 49.3)	58.0 (55.6, 60.4)
	Male	47.5 (43.9, 51.1)	55.7 (53.3, 58.0)
Gender Identity	Cisgender	46.3 (43.4, 49.2)	56.9* (55.2, 58.6)
	Transgender / Non-Binary	45.8 (33.9, 57.6)	56.7* (48.5, 64.8)
Sexual Orientation	Heterosexual	47.3 (44.0, 50.7)	58.5* (56.7, 60.4)
	Gay or Lesbian	52.6 (41.9, 63.3)	60.4* (53.3, 67.5)
	Bisexual	43.3 (36.7, 49.8)	52.9* (47.8, 58.1)
	Questioning / Not Sure	45.3 (35.9, 54.7)	45.3* (36.9, 53.7)

Appendix B: Demographic Tables

Appendix Table 10.3.C. Sense of belonging at school			
		Akron City	Summit County
		% (95% CI)	% (95% CI)
Grade Level	9th Grade	54.8* (50.2, 59.4)	62.1* (58.9, 65.4)
	10th Grade	49.8* (45.2, 54.5)	58.7* (56.0, 61.4)
	11th Grade	45.6* (40.6, 50.6)	56.8* (53.0, 60.7)
	12th Grade	39.7* (33.0, 46.4)	47.9* (43.4, 52.5)
Race & Ethnicity	Black	43.1 (38.1, 48.2)	45.9* (41.4, 50.3)
	White	51.3 (47.2, 55.4)	62.2* (60.3, 64.1)
	Asian	50.0 (42.6, 57.3)	51.6* (45.8, 57.3)
	Multiple Races	47.3 (40.4, 54.2)	49.9* (45.2, 54.5)
	Hispanic	49.4 (40.8, 58.0)	46.7* (39.3, 54.1)
Sex	Female	43.0* (39.3, 46.6)	53.9* (51.4, 56.3)
	Male	51.6* (48.1, 55.1)	59.9* (57.5, 62.2)
Gender Identity	Cisgender	47.7 (44.7, 50.6)	57.6* (55.8, 59.5)
	Transgender / Non-Binary	38.1 (27.6, 48.7)	41.5* (34.0, 49.0)
Sexual Orientation	Heterosexual	48.7 (45.0, 52.3)	59.9* (57.8, 62.0)
	Gay or Lesbian	40.4 (30.6, 50.1)	49.7* (42.1, 57.2)
	Bisexual	42.4 (36.6, 48.2)	49.4* (44.5, 54.4)
	Questioning / Not Sure	45.9 (36.1, 55.7)	40.7* (32.9, 48.5)

Appendix Table 10.3.D. Centers for Disease Control and Prevention's (CDC) Division of Violence Prevention (DVP) Positive Childhood Experiences (PCEs) Scale					
		Akron City		Summit County	
		No PCEs % (95% CI)	3 PCEs	No PCEs % (95% CI)	3 PCEs
Grade Level	9 th Grade	19.7* (16.9, 22.4)	20.4* (16.8, 24.0)	14.5* (12.5, 16.6)	34.1* (30.9, 37.3)
	10 th Grade	23.9* (20.5, 27.2)	18.7* (16.0, 21.5)	16.9* (14.7, 19.1)	29.6* (26.9, 32.2)
	11 th Grade	24.2* (19.0, 29.4)	16.9* (13.3, 20.4)	15.4* (12.6, 18.1)	31.4* (27.8, 35.0)
	12 th Grade	34.5* (27.3, 41.7)	14.5* (10.2, 18.9)	22.6* (18.2, 27.0)	23.9* (20.4, 27.3)
Race & Ethnicity	Black	28.5 (24.0, 33.0)	15.3 (12.2, 18.3)	25.2* (21.6, 28.8)	16.6* (13.7, 19.6)
	White	23.8 (19.7, 27.8)	21.4 (18.1, 24.8)	13.0* (11.6, 14.3)	37.0* (35.1, 38.8)
	Asian	24.7 (18.5, 30.8)	16.1 (11.2, 20.9)	22.4* (17.8, 27.1)	19.5* (15.5, 23.5)
	Multiple Races	21.6 (16.3, 26.8)	15.6 (10.9, 20.3)	21.6* (17.3, 25.8)	20.4* (16.6, 24.2)
	Hispanic	24.8 (18.5, 31.1)	14.1 (8.4, 19.9)	24.7* (16.2, 33.2)	19.3* (13.5, 25.2)
Sex	Female	29.7* (25.8, 33.6)	14.2* (11.4, 17.0)	19.1* (17.0, 21.1)	28.3* (26.1, 30.5)
	Male	21.3* (18.9, 23.8)	21.0* (18.6, 23.4)	14.8* (13.1, 16.4)	32.0* (29.9, 34.2)
Gender Identity	Cisgender	25.3 (22.7, 27.9)	18.1 (16.2, 20)	16.5* (15.1, 17.9)	30.9* (29.3, 32.5)
	Transgender / Non-Binary	31.6 (18.3, 44.9)	8.7 (3.4, 14.0)	25.0* (17.6, 32.5)	17.1* (10.4, 23.9)
Sexual Orientation	Heterosexual	23.4* (20.6, 26.2)	19.3* (17.0, 21.7)	14.5* (13.1, 15.9)	34.0* (32.1, 35.8)
	Gay or Lesbian	23.0* (14.0, 32.0)	12.0* (6.1, 17.8)	13.5* (9.1, 18.0)	22.6* (16.2, 29.0)
	Bisexual	34.2* (27.0, 41.3)	12.8* (8.2, 17.3)	26.2* (21.6, 30.9)	18.9* (14.9, 22.9)
	Questioning / Not Sure	31.3* (22.6, 39.9)	14.5* (7.9, 21.0)	28.2* (19.7, 36.8)	14.5* (9.3, 19.6)

Note: Only those with no PCEs 3 PCEs are included in this table but chi-square tests capture within demographic group differences across all four categories in each region respectively. More information about measurement of these metrics is available in Appendix A.