



Prevention Research Center for Healthy Neighborhoods
at Case Western Reserve University

2013 Cuyahoga County Youth Risk Behavior Survey Tobacco Use

Introduction

The Prevention Research Center for Healthy Neighborhoods (PRCHN) at Case Western Reserve University has administered the Youth Risk Behavior Survey (YRBS) in school districts throughout Cuyahoga County since 2000. The YRBS is a cross-sectional tool developed by the Centers for Disease Control and Prevention (CDC) to track adolescent risk behavior over time. In spring of 2013, the PRCHN conducted the YRBS among 9th through 12th grade students in Cuyahoga County high schools. A more detailed description of the methodology is available at our website, <http://prchn.org/yrbs.aspx>.

This brief report presents results from the 2013 Cuyahoga County High School Youth Risk Behavior Survey, with a particular focus on Tobacco Use. This includes questions pertaining to tobacco use behavior as well as perceptions of tobacco use. In this brief report, we present:

- [Overall Prevalence](#)
- [Regional Prevalence](#)
- [Demographic Prevalence](#)
- [Trend Report](#)
- [Comparison to State and Nation](#)

Data for similar behaviors can be found at our website, <http://prchn.org/yrbs.aspx>.

Tobacco Use

Using tobacco can have serious effects on long-term health. The use of cigarettes is the single leading preventable cause of death in the United States.ⁱ Almost 90% of adult smokers initiate use before or at age 18.ⁱⁱ Hookah smoking can lead to cardiovascular disease and cancer. Per a report from the World Health Organization (WHO), one hookah smoking session may be equivalent to smoking 100 cigarettes.ⁱⁱⁱ Tobacco use in adolescence is associated with many other health risk behaviors, including higher-risk sexual behavior and use of alcohol or other drugs.^{iv}

Healthy People 2020

Where possible, the Cuyahoga County Youth Risk Behavior Survey (YRBS) data are compared to the Healthy People 2020 benchmarks.^v This allows us to consider Cuyahoga County's progress towards the 10-year national objectives aimed at improving the health of all Americans.

Healthy People 2020 Objectives	Cuyahoga County 2013
TU-2.2: Reduce use of cigarettes by adolescents to no more than 16.0%.	10.4% of Cuyahoga County high school students reported using cigarettes in the past 30 days.
TU-2.4: Reduce use of cigars by adolescents to no more than 8.0%	15.1% of Cuyahoga County high school students reported using cigars in the past 30 days.*

* The Cuyahoga County YRBS cigar use item includes product examples (such as Black & Milds, Swisher Sweets, and Phillies) which are not included in the national YRBS item. It is anticipated that the prevalence of current cigar use reported by Cuyahoga County high school students is a more accurate representation of use because of the this inclusion.

Overall Prevalence

The following table summarizes tobacco use among the 16,855 high school students who completed the 2013 Cuyahoga County YRBS. Prevalence estimates and 95% confidence intervals were computed for all variables.

Risk Behavior	% (95% Confidence Interval)
Lifetime cigarette use (Smoked a cigarette, even one or two puffs, on at least 1 day during their life.)	30.7 (29.2-32.2)
Smoked a whole cigarette before age 13 years	5.4 (4.8-6.0)
Current cigarette use (Smoked a cigarette on at least 1 day during the 30 days before the survey.)	10.4 (9.4-11.4)
Smoked more than 10 cigarettes per day (On the days smoked; among the students who smoked 30 days before the survey.)	12.2 (9.6-14.9)
Cigarette use on school property (Smoked cigarettes on school property at least 1 day during the 30 days before the survey.)	4.6 (4.0-5.2)
Lifetime cigar use (Smoked a cigar, cigarillo, little cigar, or flavored cigar, even one or two puffs, on at least 1 day during their life.)	38.8 (37.1-40.5)
Smoked a whole cigar before age 13 years (Includes cigars, cigarillos, little cigars, and flavored cigars.)	4.7 (4.2-5.3)
Current cigar use (Smoked a cigar, cigarillo, little cigar, or flavored cigar on at least 1 day during the 30 days before the survey.)	15.1 (14.1-16.2)
Smoked more than 10 cigars per day (On the days smoked; among the students who smoked 30 days before the survey.)	5.4 (3.9-6.9)
Smoked a "freaked" cigar, cigarillo, little cigar, or flavored cigar (In the past 30 days.)	10.9 (10.0-11.9)
Lifetime hookah use (Smoked from a hookah or water pipe, even one or two puffs, on at least 1 day during their life.)	23.9 (22.1-25.6)
Current hookah use (Smoked from a hookah or water pipe on at least 1 day during the 30 days before the survey.)	10.6 (9.5-11.8)
Students believe it is very wrong for someone their age to smoke cigarettes	49.8 (48.1-51.5)
Students believe it is very wrong for someone their age to smoke cigars	44.7 (42.9-46.6)
Students perceive that their parents believe it is very wrong for them to smoke cigarettes	80.1 (78.9-81.3)
Students perceive that their parents believe it is very wrong for them to smoke cigars	78.0 (76.7-79.4)
Students perceive great risk of harm from smoking cigarettes (Physically or in other ways, if smoke one or more packs a day.)	63.5 (62.3-64.7)
Students perceive great risk of harm from smoking cigars regularly (Physically or in other ways.)	51.6 (50.2-53.0)

Regional Prevalence

The table below represents tobacco use in the six regions of Cuyahoga County.

Risk Behavior	CMSD-East % (95% CI)	CMSD- West % (95% CI)	Inner Ring-East % (95% CI)	Inner Ring-West % (95% CI)	Outer Ring-East % (95% CI)	Outer Ring-West % (95% CI)
Lifetime cigarette use (Smoked a cigarette, even one or two puffs, on at least 1 day during their life.)	27.4 (25.4-29.4)	37.7 (35.0-40.4)	30.8 (27.9-33.7)	38.8 (35.0-42.6)	20.8 (18.5-23.0)	n/a
Smoked a whole cigarette before age 13 years	6.3 (5.3-7.2)	9.3 (7.6-10.9)	5.6 (4.2-6.9)	7.6 (5.9-9.2)	1.8 (1.1-2.6)	n/a
Current cigarette use (Smoked a cigarette on at least 1 day during the 30 days before the survey.)	5.5 (4.6-6.4)	10.7 (9.0-12.5)	7.7 (6.3-9.2)	14.9 (12.6-17.3)	5.6 (4.4-6.9)	n/a
Smoked more than 10 cigarettes per day (On the days smoked; among the students who smoked 30 days before the survey.)	10.7 (5.9-15.4)	9.4 (4.8-13.9)	8.0 (4.0-12.0)	12.6 (7.0-18.2)	8.4 (1.9-14.9)	n/a
Cigarette use on school property (Smoked cigarettes on school property at least 1 day during the 30 days before the survey.)	4.5 (3.6-5.4)	7.0 (5.4-8.5)	4.3 (2.9-5.7)	6.9 (5.4-8.4)	2.9 (1.9-3.9)	n/a
Lifetime cigar use (Smoked a cigar, cigarillo, little cigar, or flavored cigar, even one or two puffs, on at least 1 day during their life.)	54.1 (51.2-56.9)	43.3 (39.3-47.2)	45.3 (41.7-48.9)	32.6 (28.5-36.8)	30.4 (27.3-33.5)	n/a
Smoked a whole cigar before age 13 years (Includes cigars, cigarillos, little cigars, and flavored cigars.)	8.7 (7.2-10.1)	8.0 (6.3-9.7)	5.9 (4.6-7.3)	4.1 (2.9-5.4)	2.2 (1.2-3.2)	n/a
Current cigar use (Smoked a cigar, cigarillo, little cigar, or flavored cigar on at least 1 day during the 30 days before the survey.)	21.8 (19.8-23.8)	16.7 (14.3-19.0)	20.0 (17.5-22.5)	11.1 (8.8-13.4)	9.4 (7.5-11.3)	n/a
Smoked more than 10 cigars per day (On the days smoked; among the students who smoked 30 days before the survey.)	4.9 (2.7-7.1)	4.8 (2.2-7.4)	4.2 (2.1-6.2)	7.1 (3.3-11.0)	3.2 (0.0-6.3)	n/a

Risk Behavior	CMSD-East % (95% CI)	CMSD- West % (95% CI)	Inner Ring-East % (95% CI)	Inner Ring-West % (95% CI)	Outer Ring-East % (95% CI)	Outer Ring-West % (95% CI)
Smoked a “freaked” cigar, cigarillo, little cigar, or flavored cigar (In the past 30 days.)	17.9 (15.9-19.9)	13.0 (10.7-15.3)	16.8 (13.9-19.7)	9.2 (7.2-11.1)	7.7 (5.9-9.5)	n/a
Lifetime hookah use (Smoked from a hookah or water pipe, even one or two puffs, on at least 1 day during their life.)	18.0 (15.7-20.3)	26.7 (23.5-29.9)	17.5 (15.2-19.7)	31.0 (27.2-34.8)	24.4 (21.1-27.7)	n/a
Current hookah use (Smoked from a hookah or water pipe on at least 1 day during the 30 days before the survey.)	8.2 (6.7-9.7)	11.2 (8.9-13.4)	8.0 (6.4-9.6)	14.2 (11.8-16.7)	8.7 (6.7-10.8)	n/a
Students believe it is very wrong for someone their age to smoke cigarettes	54.2 (51.8-56.7)	47.1 (43.5-50.6)	52.7 (50.1-55.4)	45.0 (40.9-49.0)	60.4 (57.4-63.4)	n/a
Students believe it is very wrong for someone their age to smoke cigars	44.0 (41.2-46.8)	43.5 (38.9-48.1)	43.1 (40.3-45.9)	46.0 (41.8-50.3)	54.9 (51.3-58.4)	n/a
Students perceive that their parents believe it is very wrong for them to smoke cigarettes	74.7 (72.2-77.1)	72.2 (69.4-74.9)	79.0 (76.1-81.9)	78.8 (76.1-81.4)	87.7 (85.4-90.0)	n/a
Students perceive that their parents believe it is very wrong for them to smoke cigars	72.7 (70.3-75.2)	72.4 (69.1-75.7)	77.4 (74.8-80.1)	79.2 (76.4-82.0)	85.2 (82.9-87.4)	n/a
Students perceive great risk of harm from smoking cigarettes (Physically or in other ways, if smoke one or more packs a day.)	48.3 (45.0-51.5)	46.3 (43.3-49.3)	59.6 (56.8-62.5)	63.4 (60.6-66.1)	74.2 (71.0-77.3)	n/a
Students perceive great risk of harm from smoking cigars regularly (Physically or in other ways.)	39.5 (36.4-42.5)	38.7 (34.6-42.8)	48.8 (46.1-51.5)	54.2 (51.0-57.4)	62.1 (58.5-65.7)	n/a

Demographic Prevalence

The tables below allow for further comparisons of tobacco use between demographic groups. Data are presented by gender, race/ethnicity, grade level, and family affluence (a proxy for socioeconomic status). A statistically significant difference exists between groups if the 95% confidence intervals do not overlap.

Lifetime cigarette use		
Category	%	CI
Gender		
Female	29.8	28.0 - 31.5
Male	31.6	29.7 - 33.5
Race/Ethnicity		
White	31.3	28.9 - 33.7
Black	29.4	27.7 - 31.1
Hispanic	36.3	32.9 - 39.7
Other	31.4	27.5 - 35.3
Grade		
9th	23.1	21.1 - 25.1
10th	28.1	25.8 - 30.4
11th	34.0	31.0 - 36.9
12th	38.4	35.3 - 41.4
Family Affluence		
Low	37.9	35.6 - 40.2
Medium	32.5	30.3 - 34.6
High	25.1	23.0 - 27.2
Total	30.7	29.2 - 32.2

Smoked a whole cigarette before age 13 years		
Category	%	CI
Gender		
Female	4.3	3.6 - 5.0
Male	6.4	5.5 - 7.2
Race/Ethnicity		
White	4.5	3.7 - 5.2
Black	6.1	5.2 - 6.9
Hispanic	13.1	10.3 - 15.8
Other	7.0	5.0 - 9.0
Grade		
9th	5.7	4.8 - 6.6
10th	4.7	3.8 - 5.5
11th	4.7	3.6 - 5.8
12th	5.8	4.5 - 7.2
Family Affluence		
Low	8.7	7.2 - 10.1
Medium	5.4	4.4 - 6.3
High	3.5	2.8 - 4.2
Total	5.4	4.8 - 6.0

Current cigarette use		
Category	%	CI
Gender		
Female	8.8	7.7 - 9.9
Male	12.0	10.6 - 13.4
Race/Ethnicity		
White	13.1	11.4 - 14.7
Black	6.3	5.4 - 7.2
Hispanic	13.7	11.3 - 16.2
Other	10.9	8.4 - 13.4
Grade		
9th	6.4	5.5 - 7.4
10th	7.6	6.4 - 8.8
11th	11.8	9.6 - 14.0
12th	16.0	13.8 - 18.3
Family Affluence		
Low	11.8	10.1 - 13.4
Medium	11.5	10.0 - 13.0
High	8.8	7.5 - 10.1
Total	10.4	9.4 - 11.4

Smoked more than 10 cigarettes per day		
Category	%	CI
Gender		
Female	6.5	3.9 - 9.1
Male	16.2	12.4 - 20.0
Race/Ethnicity		
White	10.7	7.9 - 13.5
Black	13.0	8.9 - 17.1
Hispanic	29.0	18.5 - 39.6
Other	21.4	10.4 - 32.4
Grade		
9th	12.0	7.0 - 17.1
10th	7.0	3.3 - 10.7
11th	9.4	5.8 - 12.9
12th	14.0	8.8 - 19.2
Family Affluence		
Low	19.1	11.4 - 26.9
Medium	10.8	6.9 - 14.7
High	8.5	5.2 - 11.7
Total	12.2	9.6 - 14.9

Cigarette use on school property		
Category	%	CI
Gender		
Female	3.0	2.4 - 3.6
Male	5.9	5.1 - 6.8
Race/Ethnicity		
White	4.1	3.3 - 4.8
Black	4.7	3.8 - 5.5
Hispanic	10.7	8.4 - 13.0
Other	6.3	4.5 - 8.1
Grade		
9th	3.4	2.7 - 4.2
10th	3.2	2.6 - 3.9
11th	3.9	2.9 - 4.9
12th	7.2	5.5 - 8.8
Family Affluence		
Low	6.9	5.6 - 8.3
Medium	4.4	3.5 - 5.3
High	3.3	2.7 - 4.0
Total	4.6	4.0 - 5.2

Lifetime cigar use		
Category	%	CI
Gender		
Female	35.3	33.2 - 37.3
Male	42.2	40.2 - 44.1
Race/Ethnicity		
White	31.7	29.3 - 34.2
Black	49.6	47.6 - 51.7
Hispanic	41.2	37.5 - 45.0
Other	33.6	29.5 - 37.8
Grade		
9th	29.2	26.6 - 31.8
10th	34.9	32.4 - 37.4
11th	42.5	39.9 - 45.1
12th	49.7	46.8 - 52.7
Family Affluence		
Low	49.3	46.9 - 51.7
Medium	38.4	35.9 - 40.9
High	33.2	31.1 - 35.4
Total	38.8	37.1 - 40.5

Smoked a whole cigar before age 13 years		
Category	%	CI
Gender		
Female	3.0	2.4 - 3.5
Male	6.4	5.5 - 7.3
Race/Ethnicity		
White	2.7	2.1 - 3.3
Black	7.7	6.6 - 8.7
Hispanic	13.4	10.2 - 16.6
Other	7.8	5.2 - 10.4
Grade		
9th	4.6	3.7 - 5.6
10th	4.3	3.4 - 5.1
11th	4.7	3.5 - 5.9
12th	4.5	3.3 - 5.7
Family Affluence		
Low	7.8	6.4 - 9.2
Medium	4.9	4.0 - 5.8
High	3.0	2.3 - 3.7
Total	4.7	4.2 - 5.3

Current cigar use		
Category	%	CI
Gender		
Female	11.8	10.8 - 12.9
Male	18.2	16.7 - 19.8
Race/Ethnicity		
White	11.4	10.0 - 12.8
Black	20.7	19.1 - 22.3
Hispanic	16.8	14.0 - 19.6
Other	14.8	11.5 - 18.0
Grade		
9th	10.8	9.4 - 12.2
10th	12.9	11.3 - 14.4
11th	15.5	13.8 - 17.2
12th	21.3	19.1 - 23.5
Family Affluence		
Low	21.5	19.5 - 23.5
Medium	14.4	13.0 - 15.9
High	12.1	10.7 - 13.5
Total	15.1	14.1 - 16.2

Smoked more than 10 cigars per day		
Category	%	CI
Gender		
Female	2.6	1.3 - 4.0
Male	6.9	4.8 - 9.0
Race/Ethnicity		
White	3.0	1.5 - 4.4
Black	5.9	3.7 - 8.0
Hispanic	22.9	12.9 - 32.9
Other	10.8	0.7 - 20.9
Grade		
9th	6.5	3.8 - 9.2
10th	4.9	2.4 - 7.4
11th	3.6	2.0 - 5.2
12th	3.3	0.7 - 5.9
Family Affluence		
Low	8.0	4.7 - 11.3
Medium	4.9	2.8 - 6.9
High	3.3	1.7 - 4.8
Total	5.4	3.9 - 6.9

Smoked a "freaked" cigar, cigarillo, little cigar, or flavored cigar		
Category	%	CI
Gender		
Female	9.3	8.2 - 10.3
Male	12.6	11.2 - 13.9
Race/Ethnicity		
White	6.7	5.7 - 7.6
Black	18.4	16.5 - 20.2
Hispanic	14.2	11.2 - 17.2
Other	11.5	9.0 - 14.1
Grade		
9th	9.0	7.5 - 10.4
10th	9.6	8.3 - 10.8
11th	10.9	9.1 - 12.7
12th	14.1	12.0 - 16.2
Family Affluence		
Low	17.6	15.4 - 19.8
Medium	10.9	9.5 - 12.3
High	7.6	6.5 - 8.7
Total	10.9	10.0 - 11.9

Lifetime hookah use		
Category	%	CI
Gender		
Female	21.6	19.6 - 23.5
Male	26.1	23.9 - 28.2
Race/Ethnicity		
White	26.3	23.8 - 28.8
Black	18.2	16.5 - 20.0
Hispanic	33.9	29.7 - 38.1
Other	25.4	21.3 - 29.5
Grade		
9th	13.4	11.5 - 15.3
10th	17.7	15.7 - 19.6
11th	30.2	26.7 - 33.7
12th	35.6	32.4 - 38.7
Family Affluence		
Low	23.8	21.4 - 26.1
Medium	25.3	22.9 - 27.7
High	22.8	20.4 - 25.2
Total	23.9	22.1 - 25.6

Current hookah use		
Category	%	CI
Gender		
Female	9.6	8.3 - 10.9
Male	11.6	10.1 - 13.1
Race/Ethnicity		
White	11.3	9.6 - 13.0
Black	8.6	7.3 - 9.8
Hispanic	17.5	14.4 - 20.6
Other	12.9	9.7 - 16.0
Grade		
9th	5.6	4.6 - 6.6
10th	7.5	6.4 - 8.5
11th	12.6	9.9 - 15.4
12th	17.3	14.4 - 20.1
Family Affluence		
Low	11.9	10.0 - 13.8
Medium	10.4	9.0 - 11.8
High	10.2	8.5 - 12.0
Total	10.6	9.5 - 11.8

Students believe it is very wrong for someone their age to smoke cigarettes		
Category	%	CI
Gender		
Female	52.3	50.2 - 54.3
Male	47.5	45.3 - 49.6
Race/Ethnicity		
White	47.4	44.8 - 50.0
Black	54.0	52.2 - 55.8
Hispanic	48.4	44.5 - 52.3
Other	51.0	46.7 - 55.2
Grade		
9th	57.4	55.2 - 59.5
10th	55.9	53.8 - 58.1
11th	45.2	41.9 - 48.5
12th	39.7	36.6 - 42.8
Family Affluence		
Low	47.6	44.9 - 50.2
Medium	48.6	46.2 - 50.9
High	52.0	49.3 - 54.6
Total	49.8	48.1 - 51.5

Students believe it is very wrong for someone their age to smoke cigars		
Category	%	CI
Gender		
Female	47.3	45.0 - 49.6
Male	42.3	40.1 - 44.4
Race/Ethnicity		
White	45.2	42.4 - 47.9
Black	43.5	41.6 - 45.4
Hispanic	46.0	41.6 - 50.5
Other	50.3	45.9 - 54.6
Grade		
9th	55.3	53.0 - 57.5
10th	50.0	47.5 - 52.4
11th	39.3	36.4 - 42.2
12th	32.8	30.0 - 35.6
Family Affluence		
Low	41.6	38.9 - 44.4
Medium	43.6	41.2 - 46.0
High	47.2	44.4 - 50.0
Total	44.7	42.9 - 46.6

Students perceive that their parents believe it is very wrong for them to smoke cigarettes		
Category	%	CI
Gender		
Female	83.5	82.2 - 84.8
Male	76.8	75.2 - 78.5
Race/Ethnicity		
White	82.3	80.7 - 83.9
Black	76.9	75.0 - 78.9
Hispanic	72.5	68.8 - 76.1
Other	79.7	76.5 - 82.8
Grade		
9th	85.4	83.9 - 86.8
10th	85.5	84.0 - 87.0
11th	78.3	75.9 - 80.6
12th	70.9	68.3 - 73.4
Family Affluence		
Low	73.8	71.3 - 76.2
Medium	78.4	76.6 - 80.2
High	84.7	83.2 - 86.2
Total	80.1	78.9 - 81.3

Students perceive that their parents believe it is very wrong for them to smoke cigars		
Category	%	CI
Gender		
Female	83.1	81.7 - 84.5
Male	73.1	71.3 - 74.9
Race/Ethnicity		
White	80.0	78.1 - 81.9
Black	74.9	73.1 - 76.7
Hispanic	73.4	69.7 - 77.1
Other	77.3	74.0 - 80.6
Grade		
9th	84.1	82.3 - 85.9
10th	83.4	81.8 - 84.9
11th	76.5	73.7 - 79.2
12th	67.7	65.2 - 70.1
Family Affluence		
Low	72.4	69.9 - 74.9
Medium	77.1	75.1 - 79.1
High	81.7	80.0 - 83.4
Total	78.0	76.7 - 79.4

Students perceive great risk of harm from smoking cigarettes		
Category	%	CI
Gender		
Female	67.5	65.9 - 69.1
Male	59.8	58.0 - 61.6
Race/Ethnicity		
White	69.7	68.1 - 71.3
Black	54.0	52.0 - 56.1
Hispanic	45.6	42.3 - 48.8
Other	63.6	59.3 - 68.0
Grade		
9th	59.9	57.7 - 62.1
10th	63.8	61.3 - 66.2
11th	66.9	64.5 - 69.3
12th	64.9	62.2 - 67.5
Family Affluence		
Low	53.7	51.2 - 56.2
Medium	62.0	59.7 - 64.2
High	69.8	68.0 - 71.6
Total	63.5	62.3 - 64.7

Students perceive great risk of harm from smoking cigars regularly		
Category	%	CI
Gender		
Female	54.7	52.8 - 56.5
Male	48.9	47.0 - 50.7
Race/Ethnicity		
White	56.3	54.4 - 58.3
Black	44.1	42.0 - 46.1
Hispanic	39.8	36.3 - 43.4
Other	53.5	49.6 - 57.4
Grade		
9th	52.6	50.1 - 55.0
10th	53.3	50.9 - 55.7
11th	52.2	49.5 - 54.9
12th	48.9	46.0 - 51.8
Family Affluence		
Low	44.1	41.6 - 46.7
Medium	50.4	48.2 - 52.5
High	56.5	54.2 - 58.7
Total	51.6	50.2 - 53.0

Cuyahoga County Trend Data

The following table presents the prevalence of tobacco use behaviors and attitudes among Cuyahoga County high school students in 2009, 2011, and 2013. The prevalence for each year is given (when available), with 95% confidence intervals below.

Cuyahoga County, 2009	Cuyahoga County, 2011	Cuyahoga County, 2013
Lifetime cigarette use (Smoked a cigarette, even one or two puffs, on at least 1 day during their life.)		
39.4 (37.1-41.7)	30.6 (29.2-32.0)	30.7 (29.2-32.2)
Smoked a whole cigarette before age 13 years		
6.5 (5.4-7.6)	6.0 (5.3-6.7)	5.4 (4.8-6.0)
Current cigarette use (Smoked a cigarette on at least 1 day during the 30 days before the survey.)		
12.5 (10.7-14.3)	11.4 (10.5-12.3)	10.4 (9.4-11.4)
Smoked more than 10 cigarettes per day (On the days smoked; among the students who smoked 30 days before the survey.)		
n/a	9.3 (7.3-11.3)	12.2 (9.6-14.9)
Cigarette use on school property (Smoked cigarettes on school property at least 1 day during the 30 days before the survey.)		
4.1 (3.3-5.0)	n/a	4.6 (4.0-5.2)
Lifetime cigar use (Smoked a cigar, cigarillo, little cigar, or flavored cigar, even one or two puffs, on at least 1 day during their life.)		
n/a	35.3 (33.4-37.2)	38.8 (37.1-40.5)
Smoked a whole cigar before age 13 years (Includes cigars, cigarillos, little cigars, and flavored cigars.)		
n/a	8.3 (7.4-9.2)	4.7 (4.2-5.3)
Current cigar use (Smoked a cigar, cigarillo, little cigar, or flavored cigar on at least 1 day during the 30 days before the survey.)		
n/a	16.9 (15.6-18.2)	15.1 (14.1-16.2)
Smoked more than 10 cigars per day (On the days smoked; among the students who smoked 30 days before the survey.)		
n/a	5.2 (3.5-6.9)	5.4 (3.9-6.9)
Smoked a "freaked" cigar, cigarillo, little cigar, or flavored cigar (In the past 30 days.)		
n/a	9.6 (8.2-11.0)	10.9 (10.0-11.9)

Cuyahoga County, 2009	Cuyahoga County, 2011	Cuyahoga County, 2013
Lifetime hookah use (Smoked from a hookah or water pipe, even one or two puffs, on at least 1 day during their life.)		
n/a	15.9 (14.7-17.1)	23.9 (22.1-25.6)
Current hookah use (Smoked from a hookah or water pipe on at least 1 day during the 30 days before the survey.)		
n/a	9.1 (8.3-9.9)	10.6 (9.5-11.8)
Students believe it is very wrong for someone their age to smoke cigarettes		
46.1 (43.4-48.8)	46.0 (44.6-47.4)	49.8 (48.1-51.5)
Students believe it is very wrong for someone their age to smoke cigars		
n/a	44.3 (42.8-45.8)	44.7 (42.9-46.6)
Students perceive that their parents believe it is very wrong for them to smoke cigarettes		
76.3 (74.3-78.3)	76.4 (75.2-77.6)	80.1 (78.9-81.3)
Students perceive that their parents believe it is very wrong for them to smoke cigars		
n/a	76.2 (75.0-77.4)	78.0 (76.7-79.4)
Students perceive great risk of harm from smoking cigarettes (Physically or in other ways, if smoke one or more packs a day.)		
66.1 (63.7-68.4)	62.1 (60.7-63.5)	63.5 (62.3-64.7)
Students perceive great risk of harm from smoking cigars regularly (Physically or in other ways.)		
n/a	52.9 (51.5-54.3)	51.6 (50.2-53.0)

Comparison to State and Nation

The following table presents the prevalence of tobacco use among Cuyahoga County high school students, the state of Ohio high school students, and United States high school students. The columns provide the prevalence for Cuyahoga County as reported in 2013 and the state of Ohio and the United States as reported in 2011 (when available).

Cuyahoga County, 2013	Ohio, 2011	United States, 2011
Lifetime cigarette use (Smoked a cigarette, even one or two puffs, on at least 1 day during their life.)		
30.7 (29.2-32.2)	51.5 (45.1-57.9)	44.7 (42.3-47.2)
Smoked a whole cigarette before age 13 years		
5.4 (4.8-6.0)	14.2 (11.0-18.2)	10.3 (9.3-11.5)
Current cigarette use (Smoked a cigarette on at least 1 day during the 30 days before the survey.)		
10.4 (9.4-11.4)	21.1 (16.1-27.1)	18.1 (16.7-19.5)
Smoked more than 10 cigarettes per day (On the days smoked; among the students who smoked 30 days before the survey.)		
12.2 (9.6-14.9)	13.5 (8.7-20.4)	7.8 (6.3-9.7)
Cigarette use on school property (Smoked cigarettes on school property at least 1 day during the 30 days before the survey.)		
4.6 (4.0-5.2)	5.7 (4.1-8.0)	4.9 (4.4-5.4)
Lifetime cigar use (Smoked a cigar, cigarillo, little cigar, or flavored cigar, even one or two puffs, on at least 1 day during their life.)		
38.8 (37.1-40.5)	n/a	n/a
Smoked a whole cigar before age 13 years (Includes cigars, cigarillos, little cigars, and flavored cigars.)		
4.7 (4.2-5.3)	n/a	n/a
Current cigar use (Smoked a cigar, cigarillo, little cigar, or flavored cigar on at least 1 day during the 30 days before the survey.)		
15.1 (14.1-16.2)	n/a	n/a
Smoked more than 10 cigars per day (On the days smoked; among the students who smoked 30 days before the survey.)		
5.4 (3.9-6.9)	n/a	n/a
Smoked a "freaked" cigar, cigarillo, little cigar, or flavored cigar (In the past 30 days.)		
10.9 (10.0-11.9)	n/a	n/a

Cuyahoga County, 2013	Ohio, 2011	United States, 2011
Lifetime hookah use (Smoked from a hookah or water pipe, even one or two puffs, on at least 1 day during their life.)		
23.9 (22.1-25.6)	n/a	n/a
Current hookah use (Smoked from a hookah or water pipe on at least 1 day during the 30 days before the survey.)		
10.6 (9.5-11.8)	n/a	n/a
Students believe it is very wrong for someone their age to smoke cigarettes		
49.8 (48.1-51.5)	n/a	n/a
Students believe it is very wrong for someone their age to smoke cigars		
44.7 (42.9-46.6)	n/a	n/a
Students perceive that their parents believe it is very wrong for them to smoke cigarettes		
80.1 (78.9-81.3)	n/a	n/a
Students perceive that their parents believe it is very wrong for them to smoke cigars		
78.0 (76.7-79.4)	n/a	n/a
Students perceive great risk of harm from smoking cigarettes (Physically or in other ways, if smoke one or more packs a day.)		
63.5 (62.3-64.7)	n/a	n/a
Students perceive great risk of harm from smoking cigars regularly (Physically or in other ways.)		
51.6 (50.2-53.0)	n/a	n/a

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