



Prevention Research Center for Healthy Neighborhoods
at Case Western Reserve University

2013 Cuyahoga County Youth Risk Behavior Survey: Regional Prevalence

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.apsx>.

Regional Prevalence

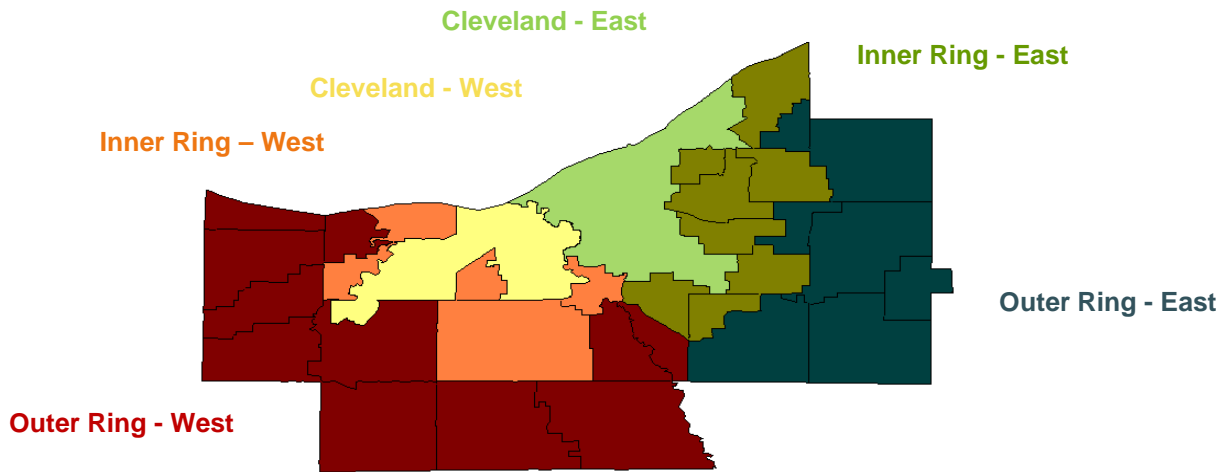
This brief report presents results from the 2013 Cuyahoga County High School Youth Risk Behavior Survey and allows for comparison of health risk behaviors by geographic region. In this brief report, we present:

- [Alcohol Use](#)
- [Behaviors that Contribute to Unintentional Injuries](#)
- [Depression and Suicide](#)
- [Illegal and Prescription Drug Use](#)
- [Nutrition](#)
- [Obesity and Weight Control](#)
- [Physical Activity](#)
- [Positive Youth Development](#)
- [Preventive Health Care](#)
- [Reproductive Health](#)
- [Tobacco Use](#)
- [Violence](#)

Cuyahoga County school districts are divided into [six regions](#) relative to the Cuyahoga River and the city of Cleveland. In 2013, we were able to weight to 5 of 6 regions in Cuyahoga County based on response rate. The column under Outer Ring—West does not include data because school participation within that region was insufficient to permit weighting. A statistically significant difference exists between groups if the 95% confidence intervals do not overlap.

Defining the Geographic Regions

The map below provides a visual representation of the six regions of Cuyahoga County. The division of Cuyahoga County into six regions allows for a geographic examination of the prevalence of different risk behaviors in Cuyahoga County. The six regions are:



- Cleveland/CMSD—East: the portion of the Cleveland Metropolitan School District located east of the Cuyahoga River
- Cleveland/CMSD—West: the portion of the Cleveland Metropolitan School District located west of the Cuyahoga River
- Inner Ring—East: a city on the east side of the Cuyahoga River in Cuyahoga County which shares a border with the city of Cleveland
- Inner Ring—West: a city on the west side of the Cuyahoga River in Cuyahoga County which shares a border with the city of Cleveland
- Outer Ring—East: a city on the east side of the Cuyahoga River in Cuyahoga County which does not share a border with the city of Cleveland, and
- Outer Ring—West: a city on the west side of the Cuyahoga River in Cuyahoga County which does not share a border with the city of Cleveland.

Alcohol Use

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 alcohol use (Had at least one drink of alcohol on at least 1 day during their life.)	55.8 (53.2-58.5)	56.9 (53.2-60.5)	62.3 (59.4-65.2)	62.8 (59.0-66.6)	60.7 (56.6-64.8)	n/a
Drank alcohol before age 13 years (Other than a few sips.)	20.7 (18.5-22.8)	20.4 (18.0-22.7)	20.8 (17.8-23.8)	14.6 (12.6-16.6)	10.3 (8.4-12.2)	n/a
Current alcohol use (Had at least one drink of alcohol on at least 1 day during the 30 days before the survey.)	25.5 (23.5-27.5)	25.9 (23.2-28.6)	33.5 (30.2-36.9)	35.2 (30.4-40.0)	34.0 (30.4-37.7)	n/a
Had 5 or more drinks of alcohol in a row within a couple of hours (On one or more days during the 30 days before the survey.)	12.2 (10.7-13.8)	15.3 (12.4-18.2)	14.2 (12.0-16.4)	17.9 (14.3-21.4)	16.3 (13.7-19.0)	n/a
Students believe it is very wrong for someone their age to drink alcohol regularly	45.6 (43.1-48.0)	43.8 (40.3-47.2)	41.3 (38.7-43.9)	36.6 (32.7-40.5)	38.1 (35.0-41.2)	n/a
Students perceive that their parents believe it is very wrong for them to drink alcohol regularly	67.4 (64.9-69.8)	64.8 (61.6-67.9)	69.9 (67.0-72.8)	65.8 (62.6-69.1)	67.2 (64.1-70.3)	n/a
Students perceive great risk of harm from drinking alcohol (Physically or in other ways, if drink one or two alcoholic beverages nearly every day.)	43.4 (40.7-46.2)	40.4 (37.3-43.5)	49.2 (46.5-52.0)	45.4 (42.2-48.6)	55.0 (51.6-58.5)	n/a
Students perceive great risk of harm from drinking alcohol (Physically or in other ways, if drink five or more alcoholic beverages in a row, once or twice a week.)	43.6 (40.8-46.4)	40.6 (37.7-43.5)	48.4 (45.5-51.4)	50.1 (46.1-54.2)	55.0 (52.4-58.6)	n/a

Behaviors that Contribute to Unintentional Injuries

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)
Rarely or never wore a seatbelt (When riding in a car driven by someone else.)	22.4 (20.7-24.1)	19.4 (17.0-21.8)	15.5 (13.4-17.6)	9.1 (7.4-10.8)	5.8 (4.5-7.1)	n/a
Rarely or never wore a bicycle helmet (Among students who had ridden a bicycle during the 12 months before the survey.)	95.2 (94.0-96.5)	94.9 (92.3-97.5)	87.9 (86.3-89.5)	94.3 (92.7-96.0)	61.1 (56.6-65.6)	n/a
Rode with a driver who had been drinking alcohol (During the past 30 days.)	26.2 (24.3-28.0)	22.5 (19.2-25.8)	25.0 (22.8-27.2)	21.6 (18.9-24.3)	18.0 (15.8-20.2)	n/a
Drove when drinking alcohol (During the 30 days before the survey.)	6.3 (5.0-7.6)	7.8 (5.9-9.7)	7.2 (5.7-8.7)	8.8 (6.2-11.4)	6.3 (4.5-8.2)	n/a
Texted or e-mailed while driving (Among students who had driven a vehicle during the 30 days before the survey.)	31.2 (28.2-34.1)	24.3 (21.0-27.6)	34.4 (30.4-38.3)	42.0 (35.7-48.2)	51.5 (46.4-56.5)	n/a

Depression and Suicide

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)
Purposely hurt self without wanting to die (Such as cutting or burning self; during 12 months before survey.)	18.7 (17.0-20.4)	24.4 (21.7-27.2)	17.2 (15.3-19.0)	16.9 (15.1-18.8)	14.2 (12.2-16.3)	n/a
Felt sad or hopeless (Almost every day for two weeks or more in a row, during the 12 months before the survey.)	26.3 (24.4-28.2)	35.3 (32.5-38.1)	28.2 (26.0-30.4)	26.8 (24.1-29.5)	21.6 (18.9-24.3)	n/a
Seriously considered attempting suicide (During the 12 months before the survey.)	14.8 (13.4-16.2)	18.8 (16.5-21.1)	14.5 (12.4-16.5)	14.9 (12.9-16.9)	12.3 (10.4-14.2)	n/a
Attempted suicide (One or more times during the 12 months before the survey.)	15.5 (13.9-17.0)	15.9 (13.4-18.3)	11.8 (10.0-13.7)	8.5 (6.9-10.0)	8.2 (6.5-9.8)	n/a

Illegal and Prescription Drug Use

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 marijuana use (Used marijuana one or more times during their life.)	47.4 (44.7-50.1)	42.7 (38.6-46.9)	48.5 (45.3-51.6)	38.5 (33.9-43.0)	36.2 (32.5-39.8)	n/a
Tried marijuana before age 13 years	12.1 (10.7-13.5)	12.1 (9.4-14.8)	8.6 (7.3-9.9)	5.9 (4.3-7.4)	3.6 (2.6-4.6)	n/a
Current marijuana use (Used marijuana one or more times during the 30 days before the survey.)	28.1 (25.9-30.3)	24.7 (21.1-28.3)	27.9 (25.1-30.7)	21.3 (17.9-24.8)	21.0 (18.4-23.6)	n/a
Smoked a cigar, cigarillo, little cigar, or flavored cigar that had marijuana in it ('Blunt') (In the past 30 days.)	23.6 (21.3-25.9)	18.9 (16.0-21.7)	24.2 (21.2-27.1)	17.9 (14.9-21.0)	16.0 (13.9-18.1)	n/a
Lifetime illicit drug use (Used any form of cocaine, heroin, methamphetamines, or ecstasy one or more times during their life.)	5.5 (4.5-6.4)	7.0 (5.7-8.4)	5.6 (4.3-6.8)	7.6 (5.9-9.4)	5.6 (4.2-6.9)	n/a
Current unauthorized prescription drug use (Used prescription drugs without a doctor's prescription one or more times during the 30 days before the survey.)	9.6 (8.3-10.9)	9.4 (7.8-11.1)	9.7 (8.2-11.3)	10.0 (8.1-11.8)	8.1 (6.5-9.7)	n/a
Offered, sold, or given drugs on school property (One or more times during the 12 months before the survey.)	20.4 (18.5-22.2)	20.0 (17.9-22.0)	22.9 (21.1-24.7)	13.5 (11.7-15.3)	15.0 (12.8-17.3)	n/a
Students believe it is very wrong for someone their age to smoke marijuana	42.6 (39.9-45.2)	42.4 (38.7-46.2)	38.3 (35.6-41.1)	42.4 (37.6-47.3)	42.3 (38.7-45.9)	n/a
Students believe it is very wrong for someone their age to use prescription drugs not prescribed to them	62.2 (59.4-65.0)	58.5 (55.4-61.6)	63.4 (60.8-65.9)	65.0 (61.8-68.2)	72.2 (69.1-75.3)	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)
Students perceive that their parents believe it is very wrong for them to smoke marijuana	70.7 (68.4-72.9)	68.9 (65.6-72.2)	71.7 (68.3-75.1)	77.4 (74.6-80.1)	76.8 (74.4-79.3)	n/a
Students perceive that their parents believe it is very wrong for them to use prescription drugs not prescribed to them	73.6 (71.5-75.7)	73.4 (70.2-76.6)	78.1 (75.6-80.6)	85.2 (83.1-87.4)	86.3 (83.8-88.7)	n/a
Students perceive great risk of harm from trying marijuana once or twice (Physically or in other ways.)	26.8 (24.5-29.0)	25.7 (22.2-29.3)	25.6 (22.5-28.7)	22.7 (19.7-25.8)	27.3 (23.8-30.8)	n/a
Students perceive great risk of harm from smoking marijuana regularly (Physically or in other ways.)	37.2 (34.6-39.7)	32.8 (29.5-36.2)	38.4 (35.6-41.3)	40.6 (36.5-44.7)	45.4 (41.9-48.8)	n/a
Students perceive great risk of harm from use of prescription drugs not prescribed to them (Physically or in other ways.)	53.0 (49.7-56.2)	50.8 (48.0-53.5)	61.3 (57.8-64.9)	65.5 (63.3-67.7)	71.2 (68.2-74.2)	n/a

Nutrition

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)
Ate fruits and vegetables five or more times per day (During the 7 days before the survey.)	27.2 (24.9-29.5)	33.6 (31.2-36.1)	20.1 (18.1-22.2)	21.7 (19.0-24.3)	13.6 (11.2-15.9)	n/a
Had a can, bottle, or glass of soda or pop one or more times per day (Not including diet soda or diet pop, during the 7 days before the survey.)	10.2 (8.7-11.6)	12.3 (10.2-14.3)	6.6 (5.2-8.0)	4.9 (3.6-6.2)	2.9 (1.9-3.9)	n/a
Had a can, bottle, or glass of an energy drink one or more times per day (During the 7 days before the survey.)	81.2 (79.6-82.9)	77.8 (75.4-80.2)	78.6 (76.6-80.5)	74.0 (71.3-76.7)	65.9 (63.2-68.6)	n/a
Ate fast food one or more times (During the 7 days before the survey.)	77.3 (75.1-79.4)	75.8 (73.3-78.2)	77.0 (74.7-79.2)	65.6 (62.4-68.8)	63.3 (60.1-66.5)	n/a
Did not eat breakfast every day (During the 7 days before the survey.)	50.0 (47.6-52.3)	41.0 (37.9-44.1)	42.6 (39.5-45.6)	27.0 (24.0-30.0)	25.0 (22.0-27.9)	n/a

Obesity and Weight Control

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)
Obese (Having a BMI of >95 th percentile for age and sex. Calculated from self- reported height and weight, adjusted for sex and age.)	19.0 (17.5-20.6)	18.6 (16.6-20.6)	16.6 (14.7-18.4)	13.1 (11.2-15.0)	8.5 (6.8-10.3)	n/a
Overweight (Having a BMI >85 th percentile and <95 th percentile for age and sex. Calculated from self- reported height and weight, adjusted for sex and age.)	19.6 (18.0-21.2)	19.0 (16.6-21.3)	16.4 (14.7-18.0)	16.6 (14.8-18.4)	14.7 (12.7-16.8)	n/a
Describes self as slightly or very overweight	26.5 (24.5-28.4)	30.7 (27.2-34.3)	28.3 (25.7-30.9)	34.4 (31.8-37.0)	27.5 (24.8-30.2)	n/a
Trying to lose weight	41.0 (38.8-43.2)	46.4 (43.8-49.0)	42.9 (40.4-45.3)	47.8 (45.2-50.4)	42.1 (39.1-45.0)	n/a

Physical Activity

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)
Participated in 60 or more minutes of physical activity on 5 or more days (During the 7 days before the survey.)	32.8 (30.6-35.0)	31.4 (28.9-34.0)	43.4 (40.4-46.5)	46.4 (43.3-49.5)	49.9 (46.7-53.1)	n/a
Did not participate in 60 or more minutes of physical activity on any day (During the 7 days before the survey.)	24.6 (22.6-26.6)	25.5 (22.8-28.2)	18.1 (16.2-20.0)	12.7 (11.2-14.1)	14.0 (12.0-15.9)	n/a
Walk or ride bike to school 3 or more times in an average school week (When the weather allows.)	29.9 (27.7-32.1)	33.1 (29.4-36.7)	36.0 (33.6-38.5)	25.5 (22.7-28.2)	10.3 (8.3-12.3)	n/a
Walk or ride bike from school 3 or more times in an average school week (When the weather allows.)	32.2 (30.1-34.2)	38.5 (34.2-42.8)	44.2 (41.0-47.5)	34.1 (30.8-37.3)	14.9 (12.7-17.1)	n/a
Watched television 3 or more hours per day (On an average school day.)	50.0 (47.6-52.3)	41.0 (37.9-44.1)	42.6 (39.5-45.6)	27.0 (24.0-30.0)	25.0 (22.0-27.9)	n/a
Used computers 3 or more hours per day (Played video or computer games or used a computer for something that was not school work on an average school day.)	48.6 (45.9-51.3)	51.8 (49.0-54.6)	40.7 (38.2-43.2)	39.7 (36.7-42.8)	35.6 (32.7-38.4)	n/a
Played on one or more sports teams (During the past 12 months.)	51.8 (49.5-54.2)	43.7 (40.2-47.2)	57.3 (54.8-59.9)	57.0 (53.6-60.4)	69.8 (66.9-72.8)	n/a

Positive Youth Development

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)
Spent at least one day in clubs or organizations outside of school (During the 7 days before the survey.)	47.1 (44.8-49.3)	37.1 (34.4-39.8)	50.0 (46.8-53.2)	49.5 (44.9-54.1)	58.5 (54.5-62.4)	n/a
Spent at least one hour helping other people without getting paid to make one's community a better place for people to live (During the 7 days before the survey.)	42.0 (39.8-44.1)	37.9 (35.0-40.8)	40.1 (37.3-42.8)	35.4 (32.7-38.1)	35.9 (33.4-38.3)	n/a
Parents talk with student about school almost every day	47.6 (45.5-49.8)	44.7 (41.6-47.8)	50.2 (46.8-53.6)	52.8 (49.8-55.8)	62.1 (58.9-65.2)	n/a
Students help decide what goes on in school (Agree and strongly agree)	40.7 (38.4-42.9)	42.0 (38.7-45.2)	43.9 (41.2-46.6)	43.7 (40.6-46.8)	48.2 (45.1-51.4)	n/a
Students feel like they matter to people in their community (Agree and strongly agree)	37.5 (35.4-39.5)	35.0 (32.1-38.0)	36.5 (34.0-39.0)	32.8 (29.9-35.8)	42.4 (39.6-45.1)	n/a
Described their grades in school as A's and B's (During the 12 months before the survey.)	56.4 (53.7-59.2)	50.4 (44.6-56.2)	59.1 (55.0-63.1)	74.2 (70.6-77.9)	85.3 (82.6-87.9)	n/a
Supportive adult (One or more adults, other than a parent, who they would feel comfortable seeking help from if there was an important issue or question affecting their life.)	78.8 (76.9-80.8)	72.7 (70.6-74.9)	79.6 (77.2-82.1)	81.9 (79.7-84.2)	80.8 (78.4-83.1)	n/a
Trusted friend (One or more friends who would offer good advice if there was a really important secret or problem affecting their life.)	82.2 (80.1-84.2)	84.0 (80.9-87.1)	85.2 (83.3-87.1)	91.1 (89.3-92.9)	91.6 (90.0-93.3)	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)
Obtained enough or too much sleep per night (Self-reported response of “too much” or “the right amount”.)	46.6 (44.7-48.6)	44.2 (40.4-48.0)	37.4 (34.4-40.4)	40.7 (37.9-43.5)	30.9 (28.4-33.5)	n/a
Ate dinner with family (On one or more days of the 7 days before the survey.)	75.9 (74.2-77.7)	79.8 (77.2-82.3)	72.6 (69.7-75.6)	84.4 (82.4-86.5)	86.7 (84.3-89.0)	n/a

Preventive Health Care

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)
Described health in general as fair or poor	22.9 (20.9-24.8)	20.2 (16.4-24.0)	20.6 (18.3-22.8)	18.0 (15.8-20.2)	11.6 (9.6-13.6)	n/a
Saw a doctor or nurse for check-up (During the 12 months before the survey.)	59.9 (57.5-62.4)	60.2 (57.5-62.9)	67.4 (64.5-70.3)	71.3 (68.8-73.9)	83.1 (80.9-85.4)	n/a
Saw a dentist for check-up, exam, teeth cleaning or other routine dental work (Not including emergencies, during the 12 months before the survey.)	69.4 (66.8-71.9)	70.2 (67.3-73.2)	73.3 (70.4-76.2)	81.3 (78.6-83.9)	87.7 (85.6-89.9)	n/a
Brush teeth at least once a day	88.6 (87.1-90.2)	88.4 (86.2-90.7)	92.4 (90.8-93.9)	91.1 (89.4-92.9)	93.8 (92.4-95.2)	n/a
Floss teeth at least once a day	38.1 (35.6-40.7)	43.5 (40.7-46.3)	30.1 (27.6-32.6)	22.6 (20.2-25.0)	22.4 (19.9-24.9)	n/a
Stayed home from school because of a toothache (During the 12 months before the survey.)	11.4 (9.8-12.9)	11.8 (9.6-14.1)	9.8 (7.9-11.7)	5.3 (3.9-6.8)	5.0 (3.8-6.2)	n/a

Reproductive Health

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 sexual intercourse (Had sexual intercourse one or more times during their life.)	63.5 (60.4-66.7)	50.2 (46.3-54.1)	56.6 (52.6-60.7)	40.9 (36.1-45.7)	36.7 (32.4-41.1)	n/a
Had sexual intercourse before age 13 years	16.9 (15.3-18.5)	12.1 (10.4-13.8)	11.5 (9.7-13.3)	2.9 (1.9-4.0)	3.8 (2.6-5.1)	n/a
Had sexual intercourse with four or more people (During their life.)	28.0 (24.9-31.0)	17.7 (15.5-19.9)	23.0 (19.8-26.1)	9.9 (7.6-12.2)	9.6 (7.1-12.0)	n/a
Current sexual intercourse (Had sexual intercourse at least once during the past 3 months.)	44.6 (41.2-48.0)	30.8 (27.9-33.7)	38.8 (35.2-42.5)	30.2 (26.0-34.3)	28.7 (24.8-32.6)	n/a
Used a condom during last sexual intercourse (Among students who had ever had sexual intercourse.)	65.3 (62.5-68.2)	64.4 (60.8-68.0)	65.2 (61.7-68.8)	57.6 (53.1-62.0)	71.9 (67.6-76.3)	n/a
Been pregnant or gotten someone pregnant (One or more times during their life.)	9.6 (8.3-10.9)	5.5 (4.3-6.7)	6.4 (5.0-7.8)	2.1 (1.4-2.9)	1.5 (0.7-2.3)	n/a

Tobacco Use

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

Violence

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)
Carried a weapon (Such as a gun, knife, or club; one or more times during the 30 days before the survey.)	15.0 (13.5-16.5)	15.7 (13.2-18.1)	11.3 (9.6-13.1)	12.2 (10.1-14.3)	8.3 (6.6-10.0)	n/a
Carried a weapon on school property (Such as a gun, knife, or club; one or more times during the 30 days before the survey.)	6.3 (5.2-7.5)	6.3 (4.7-7.8)	4.0 (2.9-5.0)	4.0 (2.6-5.3)	2.7 (1.8-3.6)	n/a
Did not go to school because of safety concerns (One or more times during the 30 days before the survey.)	10.2 (9.1-11.4)	14.0 (12.0-15.9)	8.6 (7.0-10.2)	8.7 (7.0-10.3)	4.2 (3.1-5.2)	n/a
Threatened or injured with a weapon on school property (Such as a gun, knife, or club; one or more times during the 12 months before the survey.)	10.7 (9.4-12.1)	9.4 (7.9-10.9)	7.8 (6.5-9.2)	6.9 (5.2-8.6)	4.3 (3.0-5.5)	n/a
In a physical fight (One or more times during the 12 months before the survey.)	40.2 (38.0-42.4)	36.4 (33.3-39.6)	33.1 (30.3-35.8)	21.3 (19.0-23.6)	20.3 (17.8-22.9)	n/a
In a physical fight on school property (One or more times during the 12 months before the survey.)	20.4 (18.6-22.2)	18.3 (15.8-20.8)	15.0 (12.9-17.3)	6.8 (5.3-8.2)	7.6 (6.1-9.1)	n/a
Forced to have sexual intercourse	10.7 (9.3-12.1)	11.1 (9.0-13.3)	9.3 (7.9-10.7)	6.9 (5.4-8.4)	7.1 (5.5-8.6)	n/a
Physically injured by significant other (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 the students dating.)	12.5 (11.0-14.0)	10.5 (8.3-12.6)	13.0 (11.2-14.8)	12.5 (9.9-15.1)	7.7 (5.9-9.4)	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)
Forced to do sexual things by significant other (Such as kissing, touching, or being physically forced to have sexual intercourse; one or more times during the 12 months before the survey, among the students dating.)	8.8 (7.6-10.1)	10.9 (9.0-12.9)	10.7 (9.0-12.4)	10.7 (8.6-12.7)	9.8 (7.7-11.9)	n/a
Bullied on school property (During the 12 months before the survey.)	13.3 (11.9-14.8)	18.8 (16.8-20.7)	15.4 (13.3-17.5)	23.3 (20.4-26.3)	19.6 (17.2-22.0)	n/a
Electronically bullied (Such as through e-mail, chat rooms, instant messaging, websites, or text messaging; during the 12 months before the survey.)	9.3 (8.1-10.5)	14.4 (12.6-16.2)	10.9 (9.5-12.3)	18.4 (16.3-20.5)	14.3 (12.4-16.3)	n/a

Contact Information

Prepared by:
Prevention Research Center for Healthy Neighborhoods
Case Western Reserve University
10900 Euclid Avenue
Cleveland, Ohio 44106-7069
www.prchn.org

For more information please contact:
Erika S. Trapl, PhD
Assistant Professor, Department of Epidemiology and Biostatistics
Associate Director, Prevention Research Center for Healthy Neighborhoods
Case Western Reserve University
Erika.trapl@case.edu
216-368-0098

Jean L. Frank, MPH
Manager of Community Initiatives
Prevention Research Center for Healthy Neighborhoods
Case Western Reserve University
Jean.frank@case.edu
216-368-5913

Partners & Funding

This project was made possible by funding by the Ohio Department of Health/Federal Government, Bureau of Child and Family Health Services, Child and Family Health Services Program through the Cuyahoga County Board of Health's Child and Family Health Service Program, as well as Cooperative Agreement #1-U48-DP-001930 from the Centers for Disease Control and Prevention (CDC). Its contents are solely the responsibility of the PRCHN and do not necessarily represent the official views of the CDC. This work was approved by the Institutional Review Board at Case Western Reserve University, Protocol #2012-274.



CUYAHOGA COUNTY
BOARD OF HEALTH