



Prevention Research Center for Healthy Neighborhoods
at Case Western Reserve University

2014 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 2014, the PRCHN conducted the YRBS among 7th and 8th grade students in Cuyahoga County middle schools. A more detailed description of the methodology is available at our website, <http://prchn.org/yrbs.apsx>.

Regional Prevalence

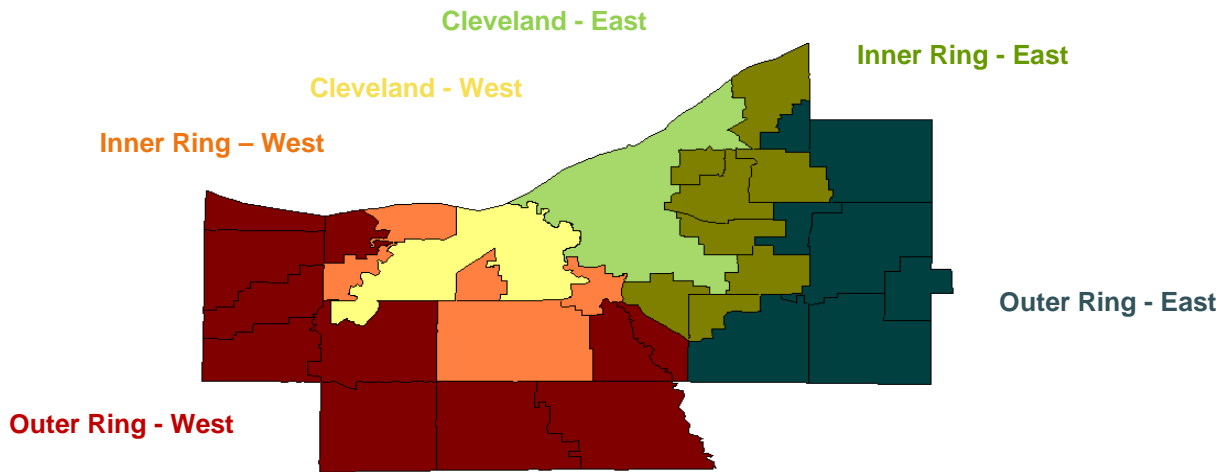
This brief report presents results from the 2014 Cuyahoga County Middle School Youth Risk Behavior Survey and allows for comparison of health risk behaviors by geographic region. In this brief report, we present:

- [Alcohol Use](#)
- [Behaviors that Contribute to Unintentional Injuries](#)
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Cuyahoga County school districts are divided into [six regions](#) relative to the Cuyahoga River and the city of Cleveland. In 2014, 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)
Ever used alcohol (Had at least one drink of alcohol on at least 1 day during their life.)	35.6% (32.6-38.8)	34.2% (31.1-37.5)	34.1% (31.8-36.4)	28.8% (25.9-31.8)	18.6% (16.1-21.5)	N/A
Drank alcohol before age 11 years (Other than a few sips.)	9.7% (8.3-11.4)	11.0% (9.8-12.4)	11.9% (10.6-13.4)	8.7% (6.6-11.5)	5.4% (4.3-6.8)	N/A
Current alcohol use (Had at least one drink of alcohol on at least 1 day during the 30 days before the survey.)	10.5% (9.0-12.3)	10.7% (8.8-12.9)	9.6% (8.5-10.9)	10.4% (8.1-13.3)	5.9% (4.6-7.6)	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.)	19.0% (17.1-21.0)	15.2% (13.4-17.2)	15.3% (13.5-17.2)	9.2% (7.4-11.5)	6.6% (5.4-8.0)	N/A
Rarely or never wore a bicycle helmet (Among students who had ridden a bicycle during the 12 months before the survey.)	94.6% (92.9-95.9)	92.1% (90.5-93.4)	86.5% (85.0-87.8)	83.4% (81.2-85.4)	56.0% (51.6-60.2)	N/A
Suffered severe blow to the head (During the 12 months before the survey.)	12.2% (10.6-13.9)	15.2% (13.0-17.5)	15.0% (13.5-16.6)	18.3% (15.8-21.1)	15.5% (13.7-17.4)	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)
Intentional self-harm (Such as cutting or burning self; during 12 months before survey.)	14.8% (13.1-16.6)	18.4% (16.4-20.5)	13.5% (12.2-15.0)	21.8% (19.2-24.6)	12.4% (10.6-14.5)	N/A
Depressive sadness (Almost every day for two weeks or more in a row, during the 12 months before the survey.)	21.2% (19.1-23.6)	26.4% (24.0-28.95)	22.5% (20.7-24.3)	27.9% (25.7-30.1)	19.8% (17.4-22.3)	N/A
Seriously considered attempting suicide (During the 12 months before the survey.)	13.4% (11.5-15.5)	16.0% (14.3-18.0)	15.4% (13.9-17.1)	19.7% (17.5-22.0)	11.8% (10.1-13.7)	N/A
Attempted suicide (One or more times during the 12 months before the survey.)	12.8% (11.1-14.7)	13.8% (12.2-15.7)	10.6% (9.5-11.9)	13.3% (11.4-15.5)	7.2% (6.1-8.6)	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)
Ever used marijuana (Used marijuana one or more times during their life.)	19.1% (16.5-21.9)	17.8% (15.3-20.6)	12.5% (11.1-14.0)	9.9% (7.8-12.4)	5.0% (3.8-6.5)	N/A
Tried marijuana before age 11 years	4.4% (3.2-5.9)	4.6% (3.6-5.8)	2.9% (2.3-3.8)	1.3% (0.7-2.4)	0.9% (0.5-1.6)	N/A
Current marijuana use (Used marijuana one or more times during the 30 days before the survey.)	10.4% (8.6-12.6)	10.6% (8.7-12.9)	6.3% (5.4-7.2)	6.0% (4.6-7.6)	2.3% (1.7-3.1)	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.)	9.1% (7.7-10.7)	9.0% (7.5-10.9)	10.5% (9.4-11.8)	8.0% (6.3-10.0)	6.7% (5.6-8.1)	N/A
Offered, sold, or given drugs on school property (One or more times during the 12 months before the survey.)	10.8% (9.2-12.6)	8.5% (7.1-10.0)	9.4% (8.3-10.6)	8.6% (7.1-10.3)	5.5% (4.4-6.8)	N/A
Ever used inhalants (Sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays one or more times during their life.)	9.4% (7.9-11.2)	7.7% (6.1-9.8)	11.4% (10.1-12.9)	6.7% (5.0-8.9)	4.8% (3.6-6.3)	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 day before the survey.)	17.7% (15.6-20.0)	18.4% (16.3-20.7)	19.5% (18.1-20.9)	21.0% (18.9-23.3)	33.3% (30.6-36.1)	N/A
Ate fast food one or more times (During the 7 days before the survey.)	77.4% (75.5-79.1)	76.4% (73.9-78.8)	71.9% (70.1-73.6)	70.1% (67.4-72.7)	57.7% (55.7-59.7)	N/A
Did not eat breakfast every day (During the 7 days before the survey.)	66.4% (64.0-68.6)	65.9% (63.4-68.2)	68.5% (66.6-70.3)	63.6% (60.6-66.4)	51.8% (48.2-55.4)	N/A
Drank soda or pop at least once (During the day before the survey.)	62.7% (60.4-65.0)	66.7% (64.2-69.1)	58.1% (55.7-60.5)	52.0% (49.2-54.7)	39.0% (36.1-42.1)	N/A
Drank beverages high in caffeine one or more times (During the day before the survey.)	17.2% (15.0-19.5)	19.5% (17.3-22.0)	13.8% (12.2-15.5)	12.5% (10.1-15.3)	6.7% (5.5-8.1)	N/A
Took a multivitamin every day (During the week before the survey.)	6.4% (5.3-7.8)	6.9% (5.7-8.2)	7.2% (6.3-8.1)	10.4% (8.8-12.3)	11.5% (10.1-12.9)	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.)	16.8% (14.3-19.5)	18.1% (16.1-20.3)	15.1% (13.6-16.7)	11.9% (9.9-14.3)	8.7% (6.9-11.0)	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.)	22.8% (20.7-25.0)	20.6% (18.6-22.8)	19.7% (18.0-21.6)	18.4% (15.9-21.2)	13.7% (11.5-16.3)	N/A
Describes self as slightly or very overweight	21.9% (19.7-24.2)	27.8% (25.3-30.4)	24.9% (23.3-26.6)	33.4% (30.7-36.2)	23.8% (21.6-26.0)	N/A
Trying to lose weight	39.5% (36.7-42.4)	46.2% (43.0-49.3)	41.3% (39.3-43.2)	46.4% (44.0-48.8)	37.3% (35.0-39.8)	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.)	33.2% (30.5-35.9)	29.9% (27.0-33.0)	48.9% (46.6-51.1)	54.3% (52.0-56.6)	60.6% (57.6-63.4)	N/A
Did not participate in 60 or more minutes of physical activity on any day (During the 7 days before the survey.)	18.1% (16.2-20.1)	17.9% (15.3-20.9)	11.1% (9.8-12.4)	7.2% (5.7-8.9)	5.9% (4.4-7.7)	N/A
Watched television 3 or more hours per day (On an average school day.)	56.5% (54.0-59.0)	43.2% (40.9-45.5)	44.0% (41.9-46.0)	23.6% (21.4-26.0)	23.4% (21.2-25.8)	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.)	60.3% (57.6-62.8)	59.4% (56.7-62.0)	51.0% (49.0-53.0)	48.4% (45.8-51.0)	38.1% (35.6-40.7)	N/A
Played on one or more sports teams (During the past 12 months.)	62.3% (59.9-64.7)	59.3% (56.2-62.4)	66.8% (64.8-68.7)	61.6% (58.1-65.0)	78.5% (76.1-80.7)	N/A
Walked or rode bike to school every day (In an average school week)	33.6% (30.9-36.4)	28.1% (25.7-30.6)	23.4% (21.7-25.1)	21.1% (18.7-23.7)	7.6% (6.3-9.0)	N/A
Walked or rode bike home from school every day (In an average school week)	35.0% (32.5-37.6)	29.2% (26.5-32.0)	31.0% (29.3-32.7)	33.4% (30.6-36.3)	10.1% (8.8-11.6)	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 hour in clubs or organizations outside of school (During an average week.)	48.6% (45.9-51.3)	42.6% (40.2-45.1)	49.5% (47.6-51.5)	44.6% (41.5-47.8)	58.0% (55.3-60.6)	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 an average week.)	40.0% (37.7-42.3)	38.1% (35.5-40.8)	39.8% (37.8-41.7)	41.3% (38.1-44.6)	42.4% (40.1-44.7)	N/A
Parents talk with student about school almost every day	54.6% (51.6-57.5)	51.0% (48.6-53.5)	50.9% (48.7-53.0)	49.2% (46.2-52.3)	59.2% (56.5-61.9)	N/A
Students help decide what goes on in school (Agree and strongly agree)	39.1% (36.6-41.8)	37.4% (35.1-39.6)	39.9% (37.9-42.0)	41.3% (38.5-44.2)	47.4% (44.0-50.8)	N/A
Students feel like they matter to people in their community (Agree and strongly agree)	48.2% (45.7-50.8)	43.5% (40.9-46.1)	41.7% (39.3-44.2)	36.2% (32.9-39.5)	48.3% (45.8-50.9)	N/A
Described their grades in school as A's and B's (During the 12 months before the survey.)	50.6% (47.4-53.8)	59.1% (55.7-62.4)	54.7% (52.3-57.1)	65.9% (62.5-69.2)	78.7% (76.5-80.7)	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.)	81.4% (79.0-83.6)	79.0% (76.8-81.1)	82.7% (81.1-84.2)	80.3% (77.9-82.5)	82.9% (80.8-84.8)	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.)	81.7% (79.4-83.8)	84.3% (81.9-86.3)	85.3% (83.8-86.7)	89.7% (87.4-91.7)	91.1% (89.4-92.5)	N/A
Ate least one meal with family (On one or more days of the 7 days before the survey.)	87.2% (85.3-88.9)	87.9% (85.9-89.7)	86.4% (84.9-87.7)	89.6% (87.2-91.5)	93.6% (92.1-94.8)	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	9.4% (8.1-10.9)	11.4% (9.8-13.1)	9.5% (8.5-10.6)	9.9% (8.6-11.4)	5.5% (4.4-6.8)	N/A
Saw a doctor or nurse for check-up (During the 12 months before the survey.)	56.3% (53.8-58.8)	55.1% (52.6-57.6)	62.1% (60.0-64.1)	67.9% (64.6-71.1)	76.1% (73.5-78.5)	N/A
Saw a doctor, nurse, therapist, social worker, or counselor for a mental health issue (During the 12 months before the survey.)	33.5% (31.3-35.8)	32.3% (29.5-35.2)	33.4% (31.4-35.4)	33.2% (30.5-36.0)	26.7% (23.7-29.8)	N/A
Saw a dentist for routine check-up (Not including emergencies, during the 12 months before the survey.)	56.0% (53.6-58.3)	57.9% (55.1-60.6)	65.1% (62.8-67.3)	72.6% (69.1-76.0)	82.5% (79.6-85.0)	N/A
Brush teeth twice a day (On a typical day.)	66.8% (63.9-69.5)	67.4% (64.9-69.9)	62.3% (60.2-64.2)	57.4% (54.0-60.7)	69.0% (67.1-70.8)	N/A
Had at least one toothache (During the 30 days before the survey.)	30.4% (28.1-32.7)	26.5% (24.1-29.1)	27.1% (25.5-28.9)	27.6% (25.3-30.1)	26.4% (23.6-29.3)	N/A
Missed school due to a toothache (During the 12 months before the survey.)	8.3% (6.9-9.9)	6.4% (5.4-7.6)	6.0% (4.9-7.3)	4.2% (2.9-5.9)	2.8% (2.0-3.8)	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)
Ever had sexual intercourse (Had sexual intercourse one or more times during their life.)	27.1% (23.7-30.8)	17.2% (14.4-20.5)	17.1% (15.5-18.9)	7.2% (5.4-9.6)	6.6% (5.3-8.2)	N/A
Used a condom during last sexual intercourse (Among students who had ever had sexual intercourse.)	71.4% (65.9-76.3)	66.5% (60.4-72.1)	66.6% (62.5-70.5)	61.3% (48.9-72.4)	60.6% (50.4-69.9)	N/A
Currently sexually active (Had sexual intercourse at least once during the past 3 months.)	17.3% (14.6-20.4)	9.7% (7.6-12.1)	11.6% (10.5-12.8)	5.0% (3.7-6.7)	4.2% (3.2-5.6)	N/A
Ever taught in school about AIDS or HIV infection	63.2% (60.2-66.1)	59.3% (54.6-63.8)	82.2% (80.0-84.2)	62.7% (58.0-67.3)	63.6% (57.0-69.7)	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)
Ever smoked cigarettes (Smoked a cigarette, even one or two puffs, on at least 1 day during their life.)	13.8% (11.6-16.4)	17.7% (15.8-19.8)	14.3% (12.7-16.0)	17.5% (15.4-19.9)	6.8% (5.4-8.4)	N/A
Smoked first tobacco product before age 11 years	7.6% (6.3-9.1)	7.2% (6.0-8.6)	6.0% (5.1-7.1)	4.8% (3.6-6.4)	2.4% (1.7-3.4)	N/A
Current cigarette use (Smoked a cigarette on at least 1 day during the 30 days before the survey.)	2.4% (1.6-3.5)	4.1% (3.1-5.2)	3.9% (3.2-4.7)	5.9% (4.9-7.1)	1.3% (0.7-2.4)	N/A
Current hookah use (Smoked hookah at least 1 day during the 30 days before the survey.)	3.4% (2.4-4.7)	6.2% (4.7-8.1)	3.3% (2.5-4.4)	7.6% (6.1-9.4)	2.3% (1.7-3.0)	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.)	10.8% (9.2-12.7)	7.0% (5.7-8.6)	6.5% (5.6-7.6)	3.9% (3.0-5.1)	2.3% (1.5-3.4)	N/A
Current e-cigarette use (Smoked an e-cigarette at least 1 day during the 30 days before the survey.)	5.6% (4.4-7.1)	5.2% (4.1-6.6)	6.0% (4.9-7.2)	7.2% (5.3-9.8)	2.4% (1.8-3.2)	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 on school property (Such as a gun, knife, or club; one or more times during the 30 days before the survey.)	5.9% (4.7-7.5)	4.1% (3.2-5.3)	3.6% (2.9-4.4)	3.3% (2.3-4.7)	2.2% (1.5-3.4)	N/A
Did not go to school because of safety concerns (One or more times during the 30 days before the survey.)	9.8% (8.3-11.6)	8.1% (6.8-9.6)	7.9% (6.8-9.2)	8.9% (6.9-11.4)	5.3% (4.3-6.5)	N/A
In a physical fight (One or more times during the 12 months before the survey.)	49.2% (46.9-51.6)	40.4% (37.5-43.4)	38.2% (36.1-40.3)	29.2% (26.8-31.8)	26.9% (24.6-29.3)	N/A
In a physical fight on school property (One or more times during the 12 months before the survey.)	27.8% (25.8-29.9)	20.0% (17.7-22.5)	20.8% (18.9-22.8)	10.1% (8.3-12.1)	9.0% (7.7-10.4)	N/A
Harassed or picked on at school (During the 30 days before the survey.)	23.9% (21.9-26.0)	26.5% (24.3-29.0)	26.8% (24.7-29.1)	39.1% (36.4-41.9)	31.1% (28.3-34.0)	N/A
Electronically bullied (Such as through e-mail, chat rooms, instant messaging, websites, or text messaging; during the 12 months before the survey.)	19.4% (17.5-21.5)	19.0% (17.4-20.8)	20.3% (18.7-22.0)	25.9% (23.3-28.6)	19.2% (17.2-21.3)	N/A

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Partners & Funding

This work is funded either in whole or in part by a grant awarded by the Ohio Department of Health, Bureau of Child & Family Health Services, Child & Family Health Services Program as a sub-award of a grant issued by the Health Resources and Services Administration (HRSA) under the Maternal and Child Health Block Grant, grant award number B04MC26688, and CFDA number 93.994 and Am. Sub. H.B. 5. This work was also funded by 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.



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