



2016 Cuyahoga County Youth Risk Behavior Survey: School Related Food Practices

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 2016, 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.aspx>.

This brief report presents results from the 2016 Cuyahoga County Middle School Youth Risk Behavior Survey, with a particular focus on Preventive Health Care. In this brief report, we present:

- [Overall Prevalence](#)
- [Regional Prevalence](#)
- [Demographic Prevalence](#)
- [Trend Report](#)

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

Overall Prevalence

The following table summarizes school related food practices among the 13,261 middle school students who completed the 2016 Cuyahoga County YRBS. Prevalence estimates and 95% confidence intervals were computed for all variables.

Risk Behavior	% (95% Confidence Interval)
Students are allowed to have food in the classroom (sometimes and always)	72.3% (71.6-72.9)
Students are allowed to have beverages in the classroom (sometimes and always)	76.0% (75.4-76.5)
Students are allowed to have snacks in the hallway (sometimes and always)	54.5% (53.9-55.0)
Students are allowed to have beverages in the hallway (sometimes and always)	62.8% (62.2-63.5)
Food or food coupons are used as a reward or incentive for students (sometimes and always)	51.3% (50.8-51.9)
Bought food or beverages from a school fundraiser during school hours on 1 or more days (During the 30 days before the survey.)	46.0% (45.5-46.5)
Bought food or beverages from a vending machine during school hours on 1 or more days (During the 30 days before the survey.)	23.5% (23.1-24.0)
Stopped at a corner, convenience, drug, grocery or other food store to or from school (During an average school week)	46.5% (45.9-47.1)

Regional Prevalence

The table below represents school related food practices in the six regions of Cuyahoga County. This division was conducted to provide a geographic representation of the prevalence of different risk behaviors in Cuyahoga County. In 2016, we were able to weight to 5 of 6 regions in Cuyahoga County. The column under Outer Ring-West does not include data because school participation within this region was insufficient to permit weighting.

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 are allowed to have food in the classroom (sometimes and always)	56.5% (53.6-59.3)	59.2% (55.9-62.4)	67.8% (66.7-68.9)	71.8% (70.7-72.9)	77.0% (75.1-78.8)	N/A
Students are allowed to have beverages in the classroom (sometimes and always)	50.7% (48.1-53.4)	62.2% (59.3-65.0)	70.1% (69.2-70.9)	81.0% (79.9-82.1)	87.1% (85.4-88.7)	N/A
Students are allowed to have snacks in the hallway (sometimes and always)	40.2% (37.5-43.0)	35.1% (32.5-37.8)	45.2% (44.4-45.9)	55.0% (54.2-55.8)	67.4% (65.7-69.0)	N/A
Students are allowed to have beverages in the hallway (sometimes and always)	38.4% (35.8-41.1)	38.3% (35.5-41.2)	51.7% (50.7-52.8)	65.6% (64.1-67.0)	77.8% (75.4-80.1)	N/A
Food or food coupons are used as a reward or incentive for students (sometimes and always)	51.7% (49.0-54.5)	48.2% (44.8-51.6)	51.5% (50.3-52.7)	49.4% (48.4-50.3)	41.5% (40.5-42.4)	N/A
Bought food or beverages from a school fundraiser during school hours on 1 or more days (During the 30 days before the survey.)	54.0% (51.3-56.6)	47.2% (44.2-50.2)	53.0% (51.8-54.2)	40.0% (39.5-40.6)	46.5% (45.6-47.5)	N/A
Bought food or beverages from a vending machine during school hours on 1 or more days (During the 30 days before the survey.)	20.4% (18.3-22.8)	10.5% (8.9-12.4)	41.0% (40.0-42.1)	28.7% (28.1-29.3)	14.8% (13.7-15.9)	N/A
Stopped at a corner, convenience, drug, grocery or other food store to or from school (During an average school week)	77.3% (74.9-79.5)	66.9% (64.4-69.2)	61.5% (60.0-62.9)	40.1% (39.5-40.6)	35.5% (34.0-36.9)	N/A

Demographic Prevalence

The tables below allow for further comparisons of school related food practices between demographic groups. Data are presented by gender, race/ethnicity, and grade level. A statistically significant difference exists between groups if the 95% confidence intervals do not overlap.

Bought food or beverages from a school fundraiser during school hours on 1 or more days			
Category	%	CI	
Gender			
Female	46.4	45.7	47.2
Male	45.5	44.8	46.2
Race/Ethnicity			
White	39.7	39.3	40.1
Black	55.5	54.4	56.6
Hispanic	48.5	44.8	52.2
Other/Multiple	48.6	47.0	50.2
Grade			
7th	47.6	46.6	48.6
8th	44.3	43.3	45.4
Total	46.0	45.5	46.5

Bought food or beverages from a vending machine during school hours on 1 or more days			
Category	%	CI	
Gender			
Female	21.9	21.3	22.4
Male	25.1	24.5	25.8
Race/Ethnicity			
White	19.5	19.2	19.8
Black	31.7	30.6	32.8
Hispanic	11.8	10.2	13.7
Other/Multiple	25.0	23.9	26.1
Grade			
7th	22.8	22.0	23.5
8th	24.0	23.2	24.8
Total	23.5	23.1	24.0

Stopped at a corner, convenience, drug, grocery or other food store to or from school			
Category	%	CI	
Gender			
Female	44.6	43.8	- 45.4
Male	48.5	47.7	- 49.3
Race/Ethnicity			
White	29.8	29.4	- 30.1
Black	71.2	70.1	- 72.3
Hispanic	62.7	59.2	- 66.1
Other/Multiple	43.2	41.3	- 45.2
Grade			
7th	45.8	44.5	- 47.1
8th	46.9	45.4	- 48.3
Total	46.5	45.9	- 47.1

Cuyahoga County Trend Data

The following table presents the prevalence of school-related food practices among Cuyahoga County middle school students in 2008, 2010, 2012, 2014 and 2016. The prevalence for each year is given (when available), with 95% confidence intervals below.¹

Cuyahoga County, 2008	Cuyahoga County, 2010	Cuyahoga County, 2012	Cuyahoga County, 2014	Cuyahoga County, 2016
Students are allowed to have food in the classroom (sometimes and always)				
N/A	N/A	67.0% (65.7-68.3)	68.8% (67.6-70.1)	72.3% (71.6-72.9)
Students are allowed to have beverages in the classroom (sometimes and always)				
N/A	N/A	65.2% (63.9-66.6)	69.4% (68.1-70.6)	76.0% (75.4-76.5)
Students are allowed to have snacks in the hallway (sometimes and always)				
N/A	N/A	46.4% (45.2-47.7)	51.8% (50.7-52.9)	54.5% (53.9-55.0)
Students are allowed to have beverages in the hallway (sometimes and always)				
N/A	N/A	49.2% (47.9-50.5)	54.9% (53.7-56.1)	62.8% (62.2-63.5)
Food or food coupons are used as a reward or incentive for students (sometimes and always)				
N/A	N/A	47.0% (45.8-48.2)	46.9% (46.0-47.9)	51.3% (50.8-51.9)
Bought food or beverages from a school fundraiser during school hours on 1 or more days (During the 30 days before the survey.)				
N/A	N/A	N/A	46.5% (45.4-47.5)	46.0% (45.5-46.5)
Bought food or beverages from a vending machine during school hours on 1 or more days (During the 30 days before the survey.)				
N/A	N/A	N/A	24.1% (23.2-25.1)	23.5% (23.1-24.0)
Stopped at a corner, convenience, drug, grocery or other food store to or from school (During an average school week)				
N/A	N/A	31.4% (29.7-33.1)	50.2% (49.1-51.2)	46.5% (45.9-47.1)

¹ The YRBS questions with two or more data points over 2008-2016 are included. The new 2016 questions are not included for the purpose of demonstrating trends. For those questions not asked in 2016, refer to the PRCHN archives at www.prchn.org/asp for more detailed information.

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