



Prevention Research Center for Healthy Neighborhoods  
at Case Western Reserve University

# 2016 Cuyahoga County Youth Risk Behavior Survey: Sexual Behavior

## Introduction

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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 7<sup>th</sup> and 8<sup>th</sup> 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 Reproductive Health. 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>.

## Reproductive Health

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Early sexual activity is associated with a high number of sexual partners,<sup>i, ii</sup> STI contraction, teenage pregnancy,<sup>i</sup> and greater risk for unwanted sex.<sup>iii</sup> Since 1990, teen pregnancy and birth rates in the United States have declined significantly. Researchers cite two main factors: fewer teens are having sex, and among those who are, more are using contraceptives.<sup>iv</sup> While this is a positive trend, there are still risks for teens that are entering into sexual relationships during their adolescent years.<sup>iv</sup>

## Overall Prevalence

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The following table summarizes reproductive health behaviors 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)
<b>Ever had sexual intercourse</b> (Had sexual intercourse one or more times during their life.)	9.3 (8.8-9.7)
<b>Currently sexually active</b> (Had sexual intercourse at least once during the past 3 months.)	5.3 (4.9-5.6)
<b>Used a condom during last sexual intercourse</b> (Among students who are currently sexually active.)	63.5 (61.3-65.7)
<b>Ever taught in school about AIDS or HIV infection</b>	58.2 (57.5-58.9)

## Regional Prevalence

The table below represents reproductive health behaviors 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)
<b>Ever had sexual intercourse</b> (Had sexual intercourse one or more times during their life.)	23.1% (20.5-25.9)	13.8% (11.5-16.6)	14.5% (14.0-15.1)	6.5% (6.3-6.8)	4.0% (3.3-4.7)	N/A
<b>Currently sexually active</b> (Had sexual intercourse at least once during the past 3 months.)	12.9% (10.8-15.3)	7.7% (5.9-9.9)	7.3% (7.0-7.7)	3.6% (3.4-3.8)	2.7% (2.0-3.5)	N/A
<b>Used a condom during last sexual intercourse</b> (Among students who are currently sexually active.)	61.5% (54.1-68.4)	59.7% (46.3-71.9)	67.7% (66.2-69.1)	52.8% (49.6-55.9)	47.8% (36.8-59.0)	N/A
<b>Ever taught in school about AIDS or HIV infection</b>	54.6% (51.2-57.8)	41.1% (37.0-45.3)	76.5% (75.7-77.3)	59.1% (58.3-59.9)	58.3% (57.2-59.5)	N/A

## Demographic Prevalence

The tables below allow for further comparisons of reproductive health 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.

Ever had sexual intercourse		
Category	%	CI
<b>Gender</b>		
Female	4.4	4.0 - 4.8
Male	14.1	13.3 - 14.9
<b>Race/Ethnicity</b>		
White	3.4	3.2 - 3.6
Black	18.1	17.1 - 19.2
Hispanic	13.7	11.4 - 16.4
Other/Multiple	8.6	7.9 - 9.5
<b>Grade</b>		
7th	7.8	7.1 - 8.6
8th	10.3	9.5 - 11.1
<b>Total</b>	<b>9.1</b>	<b>8.7 - 9.5</b>

Current sexually active		
Category	%	CI
<b>Gender</b>		
Female	2.9	2.6 - 3.2
Male	7.6	7.0 - 8.2
<b>Race/Ethnicity</b>		
White	2.2	2.1 - 2.4
Black	9.6	8.8 - 10.4
Hispanic	8.3	6.8 - 10.1
Other/Multiple	6.3	5.7 - 7.0
<b>Grade</b>		
7th	4.3	3.8 - 4.9
8th	5.9	5.3 - 6.5
<b>Total</b>	<b>5.1</b>	<b>4.8 - 5.5</b>

Used a condom during last sexual intercourse			
Category	%	CI	
<b>Gender</b>			
Female	46.8	42.2	- 51.5
Male	64.4	60.9	- 67.8
<b>Race/Ethnicity</b>			
White	59.6	56.6	- 62.5
Black	63.4	59.3	- 67.3
Hispanic	32.0	22.1	- 43.7
Other/Multiple	39.3	34.6	- 44.3
<b>Grade</b>			
7th	64.1	60.7	- 67.4
8th	59.6	55.4	- 63.7
<b>Total</b>	<b>61.4</b>	<b>58.5</b>	<b>- 64.3</b>

Ever taught in school about AIDS or HIV infection			
Category	%	CI	
<b>Gender</b>			
Female	55.8	54.9	- 56.7
Male	60.5	59.7	- 61.4
<b>Race/Ethnicity</b>			
White	54.9	54.4	- 55.4
Black	66.1	64.9	- 67.4
Hispanic	42.2	37.9	- 46.6
Other/Multiple	57.6	55.9	- 59.2
<b>Grade</b>			
7th	49.4	47.9	- 50.9
8th	66.6	65.5	- 67.7
<b>Total</b>	<b>58.3</b>	<b>57.6</b>	<b>- 59.0</b>

## Cuyahoga County Trend Data

The following table presents the prevalence of reproductive health behaviors 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.<sup>1</sup>

Cuyahoga County, 2008	Cuyahoga County, 2010	Cuyahoga County, 2012	Cuyahoga County, 2014	Cuyahoga County, 2016
<b>Ever had sexual intercourse</b> (Had sexual intercourse one or more times during their life.)				
18.1% (16.9-19.3)	19.2% (17.6-20.8)	15.8% (14.8-16.7)	11.9% (11.2-12.6)	9.3% (8.8-9.7)
<b>Currently sexually active</b> (Had sexual intercourse at least once during the past 3 months.)				
N/A	N/A	N/A	7.9% (7.3-8.4)	5.3% (4.9-5.6)
<b>Used a condom during last sexual intercourse</b> (Among students who had ever had sexual intercourse.)				
76.2% (73.6-78.8)	71.6% (68.3-74.9)	72.8% (70.3-75.3)	62.0% (59.5-64.4)	63.5% (61.3-65.7)
<b>Ever taught in school about AIDS or HIV infection</b>				
78.9% (77.4-80.4)	78.1% (76.0-80.2)	76.6% (75.5-77.8)	68.0% (66.3-69.6)	58.2% (57.5-58.9)

<sup>1</sup> 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.aspx](http://www.prchn.org.aspx) for more detailed information.

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- <sup>i</sup> Smith, C. 1997. Factors associated with early sexual activity among urban adolescents. *Social Work*. 42(4):334-346.
- <sup>ii</sup> Santelli, J., Brener, N., Lowry, R., Bhatt, A., Zabin, L. 1998. Multiple sexual partners among U.S. adolescents and young adults. *Family Planning Perspectives*. 30(6):271-275.
- <sup>iii</sup> Moore, K., Manlove, J., Glej, D., Morrison, D. 1998. Nonmarital school-age motherhood: family, individual, and school characteristics. *Journal of Adolescent Research*. 13(4):433-457.
- <sup>iv</sup> Martin, J., Hamilton, B., Sutton, P., Ventura, S., Menacker, F., Kirmeyer, S., Munson, M. 2007. Births: final data for 2005. *National Vital Statistics Reports*. 56(6).