



Prevention Research Center for Healthy Neighborhoods  
at Case Western Reserve University

# 2014 Cuyahoga County Youth Risk Behavior Survey: Reproductive Health

## 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 2014, 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 2014 Cuyahoga County Middle School Youth Risk Behavior Survey, with a particular focus on Reproductive Health. In this brief report, we present:

- [Healthy People 2020](#)
- [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, 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>

## Healthy People 2020

Where possible, the Cuyahoga County Youth Risk Behavior Survey (YRBS) data are compared to the Healthy People 2020 benchmarks.<sup>v</sup> 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 2014
FP-9: Increase the proportion of adolescents aged 17 years and under who have never had sexual intercourse.	88.1% of Cuyahoga County middle school students reported never having had sexual intercourse

## Overall Prevalence

The following table summarizes reproductive health behaviors among the 12,607 middle school students who completed the 2014 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.)	11.9% (11.2-12.6)
<b>Used a condom during last sexual intercourse</b> (Among students who had ever had sexual intercourse.)	62.0% (59.5-64.4)
<b>Currently sexually active</b> (Had sexual intercourse at least once during the past 3 months.)	7.9% (7.3-8.4)
<b>Ever taught in school about AIDS or HIV infection</b>	68.0% (66.3-69.6)

## 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 2014, 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.)	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
<b>Used a condom during last sexual intercourse</b> (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
<b>Currently sexually active</b> (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
<b>Ever taught in school about AIDS or HIV infection</b>	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

## 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	5.8	5.2- 6.5
Male	17.5	16.3- 18.7
<b>Race/Ethnicity</b>		
White	6.0	5.3- 6.7
Black	21.3	19.7- 22.9
Hispanic	16.8	14.4- 19.5
Other/Multiple	12.6	10.2- 15.5
<b>Grade</b>		
7th	9.3	8.3- 10.3
8th	13.9	12.6- 15.3
<b>Total</b>	<b>11.9</b>	<b>11.2- 12.6</b>

Used a condom during last sexual intercourse		
Category	%	CI
<b>Gender</b>		
Female	56.1	51.2- 60.7
Male	64.2	61.4- 66.9
<b>Race/Ethnicity</b>		
White	49.6	44.4- 54.8
Black	69.4	66.3- 72.3
Hispanic	54.6	46.4- 62.6
Other/Multiple	49.8	40.8- 58.8
<b>Grade</b>		
7th	57.9	53.9- 61.8
8th	65.9	62.7- 68.9
<b>Total</b>	<b>62.0</b>	<b>59.5- 64.4</b>

Currently sexually active			
Category	%	CI	
<b>Gender</b>			
Female	4.2	3.7-	4.8
Male	11.1	10.2-	12.1
<b>Race/Ethnicity</b>			
White	4.2	3.7-	4.7
Black	13.6	12.4-	14.9
Hispanic	10.8	8.8-	13.2
Other/Multiple	7.8	6.3-	9.7
<b>Grade</b>			
7th	5.5	4.9-	6.3
8th	9.7	8.8-	10.7
<b>Total</b>	<b>7.9</b>	<b>7.3-</b>	<b>8.4</b>

Ever taught in school about AIDS or HIV infection			
Category	%	CI	
<b>Gender</b>			
Female	66.8	64.8-	68.7
Male	69.2	67.3-	71.1
<b>Race/Ethnicity</b>			
White	65.2	62.6-	67.7
Black	74.4	72.7-	76.0
Hispanic	58.9	54.4-	63.2
Other/Multiple	63.2	58.2-	67.9
<b>Grade</b>			
7th	59.1	56.5-	61.6
8th	76.3	74.6-	77.9
<b>Total</b>	<b>68.0</b>	<b>66.3-</b>	<b>69.6</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 and 2014. 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
<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)
<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)
<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)

<sup>1</sup> The YRBS questions with two or more data points over 2008-2014 are included. The new 2014 questions are not included for the purpose of demonstrating trends. For those questions not asked in 2014, 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., Gleib, 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).

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† U.S. Department of Health and Human Services. *Family Planning*. Retrieved from 2020 Topics & Objectives:  
<http://www.healthypeople.gov/2020/topicsobjectives2020/objectiveslist.aspx?topicId=40>