



Prevention Research Center for Healthy Neighborhoods
at Case Western Reserve University

2012 Cuyahoga County Youth Risk Behavior Survey: Reproductive Health

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 2012, 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 2012 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

Early sexual activity is associated with a high number of sexual partners,^{i,ii} STI contraction, teenage pregnancy,ⁱ and greater risk for unwanted sex.ⁱⁱⁱ 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.^{iv} While this is a positive trend, there are still risks for teens that are entering into sexual relationships during their adolescent years.^{iv}

Healthy People 2020

Where possible, the Cuyahoga County Youth Risk Behavior Survey (YRBS) data are compared to the Healthy People 2020 benchmarks.^v 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 2012
FP-9: Increase the proportion of adolescents aged 17 years and under who have never had sexual intercourse.	84.2% of Cuyahoga County middle school students reported that they have never had sexual intercourse.

Overall Prevalence

The following table summarizes reproductive health behaviors among the 12,341 middle school students who completed the 2012 Cuyahoga County YRBS. Prevalence estimates and 95% confidence intervals were computed for all variables.

Risk Behavior	% (95% Confidence Interval)
Lifetime sexual intercourse (Had sexual intercourse one or more times during their life.)	15.8% (14.8-16.7)
Used a condom during last sexual intercourse (Among students who had ever had sexual intercourse.)	72.8% (70.3-75.3)
Ever taught in school about AIDS or HIV infection	76.6% (75.5-77.8)

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 2012, we were able to weight to 4 of 6 regions in Cuyahoga County. The columns under Inner Ring—East and Inner Ring—West do not include data because school participation within those regions 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)
Lifetime sexual intercourse (Had sexual intercourse one or more times during their life.)	37.6% (33.8-41.5)	26.3% (23.5-29.1)	N/A	N/A	8.8% (7.1-10.6)	5.2% (4.3-6.1)
Used a condom during last sexual intercourse (Among students who had ever had sexual intercourse.)	78.1% (74.5-81.7)	75.8% (70.7-80.8)	N/A	N/A	63.7% (55.2-72.2)	58.0% (50.2-65.7)
Ever taught in school about AIDS or HIV infection	67.7% (64.7-70.7)	70.3% (66.8-73.8)	N/A	N/A	80.7% (78.2-83.2)	75.5% (73.3-77.7)

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.

Lifetime sexual intercourse		
Category	%	CI
Gender		
Female	9.1	8.1 - 10.1
Male	22.0	20.6 - 23.3
Race/Ethnicity		
Black	27.4	25.5 - 29.3
White	7.1	6.2 - 8.0
Hispanic	26.7	23.1 - 30.2
Other/Multiple	21.8	17.7 - 25.9
Grade		
7th	13.6	12.4 - 14.7
8th	17.2	15.9 - 18.5
Total	15.8	14.8 - 16.7

Used a condom during last sexual intercourse		
Category	%	CI
Gender		
Female	71.7	66.9 - 76.5
Male	73.0	70.2 - 75.8
Race/Ethnicity		
Black	77.7	75.0 - 80.4
White	64.6	58.8 - 70.4
Hispanic	61.9	54.6 - 69.3
Other/Multiple	72.4	63.8 - 80.9
Grade		
7th	74.4	71.1 - 77.6
8th	73.3	69.8 - 76.8
Total	72.8	70.3 - 75.3

Ever taught in school about AIDS or HIV infection			
Category	%	CI	
Gender			
Female	76.2	74.7 -	77.7
Male	77.0	75.6 -	78.5
Race/Ethnicity			
Black	79.0	77.4 -	80.7
White	76.1	74.4 -	77.7
Hispanic	65.8	61.5 -	70.1
Other/Multiple	76.0	71.2 -	80.7
Grade			
7th	70.6	69.0 -	72.1
8th	82.8	81.4 -	84.1
Total	76.6	75.5 -	77.8

Cuyahoga County Trend Data

The following table presents the prevalence of reproductive health behaviors among Cuyahoga County middle school students in 2008, 2010, and 2012. The prevalence for each year is given (when available), with 95% confidence intervals below.

Cuyahoga County, 2008	Cuyahoga County, 2010	Cuyahoga County, 2012
Lifetime sexual intercourse (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)
Used a condom during last sexual intercourse (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)
Ever taught in school about AIDS or HIV infection		
78.9% (77.4-80.4)	78.1% (76.0-80.2)	76.6% (75.5-77.8)

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ⁱ Smith, C. 1997. Factors associated with early sexual activity among urban adolescents. *Social Work*. 42(4):334-346.

ⁱⁱ 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.

ⁱⁱⁱ 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.

^{iv} 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).

^v 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>