



Prevention Research Center for Healthy Neighborhoods
at Case Western Reserve University

2013 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 2013, the PRCHN conducted the YRBS among 9th through 12th grade students in Cuyahoga County high 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 2013 Cuyahoga County High 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](#)
- [Comparison to State and Nation](#)

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 2013
FP-8: Reduce pregnancies among adolescent females.	3.9% of Cuyahoga County female high school students reported that they have been pregnant at least once in their life.
FP-9: Increase the proportion of adolescents aged 17 years and under who have never had sexual intercourse.	65.6% of Cuyahoga County high school students reported that they have never had sexual intercourse.

Overall Prevalence

The following table summarizes reproductive health behaviors among the 16,855 high school students who completed the 2013 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.)	44.4 (42.3-46.4)
Had sexual intercourse before age 13 years	7.0 (6.4-7.7)
Had sexual intercourse with four or more people (During their life.)	14.8 (13.7-16.0)
Current sexual intercourse (Had sexual intercourse at least once during the past 3 months.)	32.0 (30.3-33.7)
Used a condom during last sexual intercourse (Among students who had ever had sexual intercourse.)	64.9 (63.1-66.7)
Been pregnant or gotten someone pregnant (One or more times during their life.)	3.9 (3.5-4.3)

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 2013, 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 that 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)
Lifetime sexual intercourse (Had sexual intercourse one or more times during their life.)	63.5 (60.4-66.7)	50.2 (46.3-54.1)	56.6 (52.6-60.7)	40.9 (36.1-45.7)	36.7 (32.4-41.1)	n/a
Had sexual intercourse before age 13 years	16.9 (15.3-18.5)	12.1 (10.4-13.8)	11.5 (9.7-13.3)	2.9 (1.9-4.0)	3.8 (2.6-5.1)	n/a
Had sexual intercourse with four or more people (During their life.)	28.0 (24.9-31.0)	17.7 (15.5-19.9)	23.0 (19.8-26.1)	9.9 (7.6-12.2)	9.6 (7.1-12.0)	n/a
Current sexual intercourse (Had sexual intercourse at least once during the past 3 months.)	44.6 (41.2-48.0)	30.8 (27.9-33.7)	38.8 (35.2-42.5)	30.2 (26.0-34.3)	28.7 (24.8-32.6)	n/a
Used a condom during last sexual intercourse (Among students who had ever had sexual intercourse.)	65.3 (62.5-68.2)	64.4 (60.8-68.0)	65.2 (61.7-68.8)	57.6 (53.1-62.0)	71.9 (67.6-76.3)	n/a
Been pregnant or gotten someone pregnant (One or more times during their life.)	9.6 (8.3-10.9)	5.5 (4.3-6.7)	6.4 (5.0-7.8)	2.1 (1.4-2.9)	1.5 (0.7-2.3)	n/a

Demographic Prevalence

The tables below allow for further comparisons of reproductive health between demographic groups. Data are presented by gender, race/ethnicity, grade level, and family affluence (a proxy for socioeconomic status). A statistically significant difference exists between groups if the 95% confidence intervals do not overlap.

Lifetime sexual intercourse		
Category	%	CI
Gender		
Female	40.9	38.6 - 43.2
Male	47.7	45.2 - 50.1
Race/Ethnicity		
White	33.9	31.0 - 36.8
Black	60.9	58.6 - 63.3
Hispanic	51.7	48.0 - 55.3
Other	34.5	30.8 - 38.1
Grade		
9th	27.5	25.1 - 29.8
10th	38.3	35.7 - 40.8
11th	52.9	49.2 - 56.7
12th	61.5	57.9 - 65.1
Family Affluence		
Low	54.1	51.5 - 56.7
Medium	45.2	42.5 - 48.0
High	36.7	33.9 - 39.5
Total	44.4	42.3 - 46.4

Had sexual intercourse before age 13 years		
Category	%	CI
Gender		
Female	3.2	2.6 - 3.7
Male	10.8	9.8 - 11.8
Race/Ethnicity		
White	2.1	1.6 - 2.6
Black	14.4	13.2 - 15.6
Hispanic	14.0	11.0 - 17.0
Other	5.8	4.2 - 7.4
Grade		
9th	7.2	6.1 - 8.3
10th	8.1	6.7 - 9.5
11th	5.7	4.7 - 6.7
12th	6.5	5.1 - 7.8
Family Affluence		
Low	13.1	11.4 - 14.7
Medium	6.7	5.8 - 7.6
High	4.0	3.3 - 4.7
Total	7.0	6.4 - 7.7

Had sexual intercourse with four or more people		
Category	%	CI
Gender		
Female	10.6	9.5 - 11.8
Male	18.9	17.3 - 20.5
Race/Ethnicity		
White	7.8	6.6 - 9.0
Black	26.0	23.9 - 28.0
Hispanic	17.6	14.7 - 20.6
Other	12.8	10.2 - 15.5
Grade		
9th	7.8	6.6 - 8.9
10th	11.4	9.9 - 13.0
11th	17.0	15.0 - 19.0
12th	23.7	20.9 - 26.6
Family Affluence		
Low	22.4	20.2 - 24.6
Medium	15.2	13.4 - 16.9
High	10.4	9.1 - 11.7
Total	14.8	13.7 - 16.0

Current sexual intercourse		
Category	%	CI
Gender		
Female	30.9	28.9 - 32.9
Male	33.0	30.9 - 35.1
Race/Ethnicity		
White	25.8	23.4 - 28.2
Black	42.1	39.8 - 44.4
Hispanic	34.6	31.1 - 38.0
Other	24.5	21.3 - 27.7
Grade		
9th	16.7	15.0 - 18.4
10th	26.5	24.4 - 28.6
11th	40.0	37.0 - 43.0
12th	47.0	43.6 - 50.5
Family Affluence		
Low	38.9	36.3 - 41.4
Medium	32.7	30.2 - 35.2
High	27.7	25.2 - 30.2
Total	32.0	30.3 - 33.7

Used a condom during last sexual intercourse		
Category	%	CI
Gender		
Female	59.3	56.6 - 62.1
Male	69.6	67.4 - 71.8
Race/Ethnicity		
White	66.0	63.0 - 68.9
Black	64.7	62.4 - 67.1
Hispanic	55.2	49.9 - 60.4
Other	65.2	59.3 - 71.2
Grade		
9th	69.9	66.4 - 73.5
10th	71.4	68.2 - 74.5
11th	62.4	59.1 - 65.7
12th	60.9	58.0 - 63.7
Family Affluence		
Low	60.8	57.8 - 63.8
Medium	64.9	62.0 - 67.9
High	68.3	65.2 - 71.4
Total	64.9	63.1 - 66.7

Been pregnant or gotten someone pregnant		
Category	%	CI
Gender		
Female	3.9	3.3 - 4.4
Male	3.9	3.2 - 4.5
Race/Ethnicity		
White	1.3	1.0 - 1.7
Black	7.5	6.6 - 8.5
Hispanic	7.9	5.8 - 10.1
Other	5.0	3.1 - 7.0
Grade		
9th	2.1	1.6 - 2.6
10th	3.4	2.7 - 4.0
11th	4.3	3.5 - 5.0
12th	5.7	4.5 - 6.8
Family Affluence		
Low	6.9	5.9 - 8.0
Medium	3.6	2.9 - 4.2
High	2.5	2.0 - 3.0
Total	3.9	3.5 - 4.3

Cuyahoga County Trend Data

The following table presents the prevalence of reproductive health behaviors among Cuyahoga County high school students in 2009, 2011, and 2013. The prevalence for each year is given (when available), with 95% confidence intervals below.

Cuyahoga County, 2009	Cuyahoga County, 2011	Cuyahoga County, 2013
Lifetime sexual intercourse (Had sexual intercourse one or more times during their life.)		
55.5 (52.2-58.8)	45.2 (43.3-47.1)	44.4 (42.3-46.4)
Had sexual intercourse before age 13 years		
11.0 (8.5-13.5)	7.4 (6.5-8.3)	7.0 (6.4-7.7)
Had sexual intercourse with four or more people (During their life.)		
20.0 (17.5-22.5)	15.8 (14.6-17.0)	14.8 (13.7-16.0)
Current sexual intercourse (Had sexual intercourse at least once during the past 3 months.)		
33.6 (31.3-35.9)	33.0 (31.4-34.6)	32.0 (30.3-33.7)
Used a condom during last sexual intercourse (Among students who had ever had sexual intercourse.)		
63.2 (60.5-65.9)	64.7 (62.8-66.6)	64.9 (63.1-66.7)
Been pregnant or gotten someone pregnant (One or more times during their life.)		
6.2 (5.0-7.4)	5.1 (4.5-5.7)	3.9 (3.5-4.3)

Comparison to State and Nation

The following table presents the prevalence of reproductive health behaviors among Cuyahoga County high school students, the state of Ohio high school students, and United States high school students. The columns provide the prevalence for Cuyahoga County as reported in 2013 and the state of Ohio and the United States as reported in 2011 (when available).

Cuyahoga County, 2013	Ohio, 2011	United States, 2011
Lifetime sexual intercourse (Had sexual intercourse one or more times during their life.)		
44.4 (42.3-46.4)	n/a	47.4 (45.0-49.9)
Had sexual intercourse before age 13 years		
7.0 (6.4-7.7)	6.1 (4.4-8.4)	6.2 (5.6-6.9)
Had sexual intercourse with four or more people (During their life.)		
14.8 (13.7-16.0)	17.5 (13.6-22.2)	15.3 (14.2-16.4)
Current sexual intercourse (Had sexual intercourse at least once during the past 3 months.)		
32.0 (30.3-33.7)	41.8 (34.7-49.3)	33.7 (31.8-35.7)
Used a condom during last sexual intercourse (Among students who had ever had sexual intercourse.)		
64.9 (63.1-66.7)	n/a	60.2 (57.5-62.9)
Been pregnant or gotten someone pregnant (One or more times during their life.)		
3.9 (3.5-4.3)	n/a	n/a

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Partners & Funding

This project was made possible by funding by the Ohio Department of Health/Federal Government, Bureau of Child and Family Health Services, Child and Family Health Services Program through the Cuyahoga County Board of Health's Child and Family Health Service Program, as well as 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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