

# Missouri Behavioral Risk Factor Surveillance System

## 2015 Data Report



Missouri Department of Health and Senior Services  
Randall Williams, Director

AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER  
Services provided on a nondiscriminatory basis.

# Acknowledgements

## Missouri Behavioral Risk Factor Surveillance System 2015 Data Report

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# Backgrounds

## Introduction

The Missouri Behavioral Risk Factor Surveillance System (BRFSS) is an annual telephone survey of adults age 18 and older that collects a range of information on health issues. BRFSS data are used to identify emerging health problems, establish health objectives and track their progress, and develop and evaluate public health policies and programs.

In 2015, 7,307 adults were interviewed January through December by the Health and Behavioral Risk Research Center at the University of Missouri-Columbia. Randomly selected household landline telephone numbers were called and an adult was randomly selected to participate in the survey. Additionally, randomly selected adult cell telephone users participated in the interview. Cell phone interviews were added to the BRFSS because of the growing number of adults that use cell phones rather than landline telephones. Data from the landline and cell telephone interviews were aggregated and weighted by the U.S. Centers for Disease Control and Prevention (CDC) to be representative of non-institutionalized adults in Missouri. This report summarizes key findings from the survey.

**Please note:** In 2011, the CDC began using a new weighting methodology that allows the data to be more representative of the adult population. Previous years of BRFSS data may be found in reports located on the Missouri Department of Health and Senior Services website at <http://www.health.mo.gov/data/brfss/data.php>, but should not be compared to the 2011 to 2015, and subsequent years because of the new weighting method and combining data from landline and cell telephone interviews. A description of the new methodology may be found at the BRFSS web address ([http://www.cdc.gov/brfss/annual\\_data/2014/pdf/weighting-data.pdf](http://www.cdc.gov/brfss/annual_data/2014/pdf/weighting-data.pdf)).

This report presents weighted prevalence estimates and 95% confidence intervals calculated for each topic using SAS statistical software. State and regional prevalence estimates and confidence intervals were produced for the selected indicators. State prevalence estimates were stratified by socio-demographic factors of gender, race, income, and education. The definition for each indicator including the questions asked of respondents is provided at the bottom of the data tables.

## Definitions

**Prevalence:** The proportion (usually a percentage) of a population that has a defined risk factor, disease, or condition at a particular point in time.

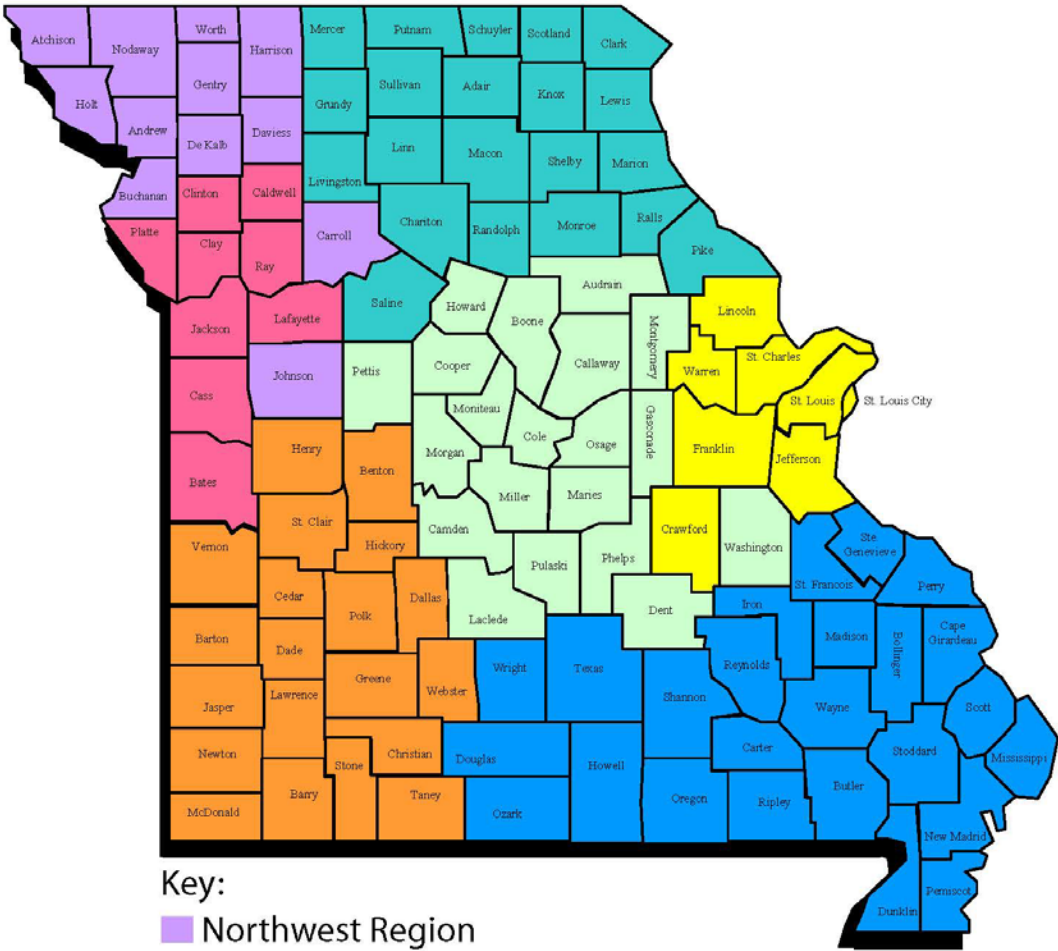
**Age adjustment:** A technique used to compare prevalence of populations when the ages are quite different. **Age-adjusted prevalence** is calculated by weighting the age-specific prevalence for a given year by the age distribution of a standard population (i.e. the 2000 US Standard Population).

**95% Confidence Intervals (CI):** The range of values for which there is 95% confidence that the true value falls within the range, which is reported as lower CI and upper CI.

# BRFSS Regions

Missouri is comprised of 114 counties and the City of St. Louis. The sample size from each county, on an annual basis, is too small to make conclusive estimates by county. In Missouri, therefore, the counties and St. Louis are clustered into the following seven geographical BRFSS regions to examine sub-state level results: Kansas City Metro, St. Louis Metro, Central, Southwest, Southeast, Northwest, and Northeast.

## BRFSS Regions



- Key:
- Northwest Region
  - Northeast Region
  - Kansas City Metro Region
  - Central Region
  - St. Louis Metro Region
  - Southwest Region
  - Southeast Region

## Demographics

The table summarizes the demographic and economic distribution of respondents in Missouri, 2015. The respondents included only adult users of landline telephones or cell phones. The weighted percent may not add to 100 due to rounding.

<b>Distribution of respondents, BRFSS, Missouri, 2015</b>		
	<b>Respondent Number</b>	<b>Weighted Percent</b>
Missouri	7,307	
Gender	7,307	
Male	3,055	48.4
Female	4,252	51.6
Age, year	7,202	
18-24	421	13.0
25-34	695	17.0
35-44	698	15.8
45-54	1,090	16.3
55-64	1,520	17.0
65 and older	2,778	20.9
Race/ethnicity	7,304	
White, Non-Hispanic	6,190	82.0
African-American, Non-Hispanic	659	10.8
Other race, Non-Hispanic	153	2.3
Multiracial, Non-Hispanic	163	1.2
Hispanic	139	3.7
Education	7,277	
Less than high school graduate	686	12.3
High school graduate	2,410	31.5
Some post high school	1,975	32.0
College graduate	2,206	24.2
Marital Status	7,268	
Never married	1,032	21.5
Married	3,753	52.4
Divorced, separated	1,179	14.5
Widowed	1,119	7.2
Unmarried couple	185	4.4
Household Income, \$ per year	5,833	
<15,000	757	10.9
15,000-24,999	981	16.2
25,000-34,999	703	11.2
35,000-49,999	912	15.7
50,000-74,999	926	16.6
75,000 and over	1,554	29.5
Employment	7,274	
Employed or self-employed	3,260	56.6
Out of work	248	4.3
Unable to work	723	8.5
Homemaker	382	5.6
Student	186	4.9
Retired	2,475	20.1

In this report, the sign "--" found in some tables indicates that data is not available.

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Overall Health

### Chapter 1 General Health Status

#### Table 1.1 Poor or fair general health

Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,292	17.8	16.7	19.0	17.0	15.8	18.2
<b>REGION</b>							
Central	677	17.2	13.8	20.6	16.4	13.0	19.9
Kansas City Metro	1,540	16.3	13.9	18.8	15.7	13.1	18.3
Northeast	622	23.0	18.7	27.3	21.2	17.0	25.5
Northwest	602	21.2	16.9	25.6	20.9	16.6	25.2
Southeast	1,195	26.0	22.7	29.3	24.6	21.2	28.1
Southwest	660	20.3	16.2	24.4	19.5	15.0	24.0
St. Louis Metro	1,996	14.6	12.8	16.5	13.9	12.1	15.7
<b>GENDER</b>							
Female	4,243	18.7	17.1	20.3	17.7	16.0	19.4
Male	3,049	16.9	15.2	18.6	16.2	14.5	18.0
<b>RACE</b>							
African-American	658	21.9	17.8	26.0	21.4	17.3	25.4
Other	455	19.6	14.4	24.8	23.1	18.0	28.1
White	6,179	17.1	15.9	18.4	15.9	14.6	17.2
<b>EDUCATION</b>							
< High School	684	35.8	30.6	41.1	34.1	28.5	39.7
High School	2,406	21.9	19.6	24.1	20.9	18.2	23.5
High School +	4,173	11.6	10.4	12.8	11.4	10.2	12.6
<b>INCOME</b>							
<\$15,000	754	41.3	36.1	46.5	41.0	35.7	46.2
\$15,000-24,999	978	28.0	24.0	31.9	28.1	24.2	32.1
\$25,000-34,999	703	21.0	16.8	25.2	20.6	15.6	25.6
\$35,000-49,999	912	14.4	11.1	17.7	13.5	9.9	17.2
\$50,000-74,999	924	10.5	8.1	12.9	9.9	7.6	12.3
\$75,000+	1,553	5.6	4.2	6.9	5.9	4.4	7.4

Definition: "Poor or fair" response to the question "Would you say that in general your health is excellent, very good, good, fair or poor?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 1 General Health Status

### Table 1.2 Good general health

Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,292	31.3	29.8	32.9	31.4	29.7	33.0
<b>REGION</b>							
Central	677	32.6	27.8	37.5	33.9	28.6	39.1
Kansas City Metro	1,540	33.5	30.3	36.7	34.1	30.7	37.6
Northeast	622	25.1	20.4	29.8	24.5	19.4	29.6
Northwest	602	33.9	28.1	39.7	34.7	28.8	40.6
Southeast	1,195	29.4	25.7	33.1	28.6	24.6	32.7
Southwest	660	30.5	25.9	35.1	30.0	25.1	34.8
St. Louis Metro	1,996	31.0	28.2	33.8	30.7	27.8	33.7
<b>GENDER</b>							
Female	4,243	30.1	28.1	32.2	29.9	27.7	32.2
Male	3,049	32.6	30.3	35.0	32.8	30.3	35.3
<b>RACE</b>							
African-American	658	33.5	28.4	38.6	32.9	27.8	38.0
Other	455	36.6	29.5	43.7	36.2	30.0	42.3
White	6,179	30.6	28.9	32.2	30.5	28.7	32.3
<b>EDUCATION</b>							
< High School	684	31.7	26.2	37.2	32.6	26.3	39.0
High School	2,406	34.5	31.8	37.3	33.8	30.6	37.0
High School +	4,173	29.4	27.5	31.4	29.7	27.7	31.8
<b>INCOME</b>							
<\$15,000	754	30.1	25.0	35.2	30.8	25.5	36.2
\$15,000-24,999	978	35.0	30.1	39.8	36.4	31.1	41.7
\$25,000-34,999	703	32.8	27.9	37.6	31.1	25.8	36.5
\$35,000-49,999	912	34.2	29.7	38.6	34.2	29.3	39.0
\$50,000-74,999	924	31.2	26.9	35.4	31.8	27.1	36.6
\$75,000+	1,553	26.0	23.0	29.0	25.7	22.6	28.8

Definition: "Good" response to the question "Would you say that in general your health is excellent, very good, good, fair or poor?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 1 General Health Status

**Table 1.3 Very good or excellent general health**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,292	50.8	49.2	52.5	51.7	49.9	53.5
<b>REGION</b>							
Central	677	50.2	45.1	55.3	49.7	44.4	55.0
Kansas City Metro	1,540	50.2	46.8	53.5	50.2	46.7	53.7
Northeast	622	51.9	46.4	57.4	54.2	48.6	59.8
Northwest	602	44.9	39.0	50.8	44.4	38.9	49.9
Southeast	1,195	44.6	40.5	48.8	46.7	42.4	51.0
Southwest	660	49.2	44.0	54.3	50.6	45.0	56.2
St. Louis Metro	1,996	54.4	51.5	57.3	55.4	52.2	58.5
<b>GENDER</b>							
Female	4,243	51.2	49.0	53.4	52.4	50.0	54.8
Male	3,049	50.5	48.0	52.9	50.9	48.3	53.6
<b>RACE</b>							
African-American	658	44.7	39.0	50.3	45.7	40.3	51.2
Other	455	43.9	37.0	50.8	40.8	34.7	46.9
White	6,179	52.3	50.5	54.0	53.6	51.6	55.5
<b>EDUCATION</b>							
< High School	684	32.5	26.8	38.2	33.3	26.9	39.7
High School	2,406	43.6	40.7	46.6	45.3	41.8	48.8
High School +	4,173	59.0	56.9	61.0	58.9	56.8	61.1
<b>INCOME</b>							
<\$15,000	754	28.6	23.8	33.5	28.2	23.5	32.9
\$15,000-24,999	978	37.1	32.2	41.9	35.5	30.3	40.8
\$25,000-34,999	703	46.3	41.0	51.6	48.3	42.1	54.4
\$35,000-49,999	912	51.4	46.8	56.1	52.3	47.3	57.3
\$50,000-74,999	924	58.3	53.8	62.7	58.3	53.3	63.2
\$75,000+	1,553	68.5	65.4	71.6	68.4	65.2	71.7

Definition: "Very Good or Excellent" response to the question "Would you say that in general your health is excellent, very good, good, fair or poor?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 2 Healthy Days: Health-related Quality of Life

### Table 2.1.1 No poor physical health in the past 30 days

Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,170	64.2	62.6	65.8	64.5	62.8	66.2
<b>REGION</b>							
Central	670	59.2	54.2	64.3	59.3	53.8	64.7
Kansas City Metro	1,512	69.0	65.9	72.0	69.2	66.0	72.4
Northeast	602	66.1	60.9	71.3	67.5	62.0	73.0
Northwest	591	65.2	59.6	70.8	65.3	59.5	71.1
Southeast	1,173	59.9	55.9	63.9	60.8	56.5	65.2
Southwest	647	62.8	57.8	67.8	62.6	57.1	68.2
St. Louis Metro	1,975	64.5	61.7	67.4	64.8	61.8	67.9
<b>GENDER</b>							
Female	4,161	60.0	57.8	62.2	60.2	57.8	62.6
Male	3,009	68.5	66.3	70.8	68.9	66.5	71.3
<b>RACE</b>							
African-American	643	63.2	57.8	68.5	64.6	59.5	69.7
Other	450	63.2	56.1	70.2	59.7	53.1	66.2
White	6,077	64.4	62.7	66.1	64.8	62.9	66.7
<b>EDUCATION</b>							
< High School	656	58.1	52.2	63.9	58.1	51.7	64.4
High School	2,350	62.5	59.7	65.3	64.2	60.9	67.4
High School +	4,134	66.4	64.4	68.4	66.2	64.1	68.3
<b>INCOME</b>							
<\$15,000	734	48.3	42.9	53.7	49.2	43.7	54.7
\$15,000-24,999	955	56.0	51.1	60.9	56.6	51.6	61.7
\$25,000-34,999	696	61.1	56.0	66.2	60.8	54.9	66.6
\$35,000-49,999	901	67.8	63.4	72.2	67.8	63.0	72.7
\$50,000-74,999	921	68.3	64.0	72.5	68.6	63.9	73.3
\$75,000+	1,546	70.8	67.7	73.9	71.4	68.1	74.6

Definition: “0” response to the question “Now thinking about your physical health, which includes physical illness and injury, for how many days during the past 30 days was your physical health not good?”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 2 Healthy Days: Health-related Quality of Life**

**Table 2.1.2 Frequent poor physical health - 14 or more of the past 30 days**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,170	13.9	12.8	14.9	13.3	12.2	14.4
<b>REGION</b>							
Central	670	13.8	10.5	17.1	14.0	10.3	17.7
Kansas City Metro	1,512	12.8	10.5	15.0	12.5	10.1	14.8
Northeast	602	12.7	9.5	15.8	11.2	8.3	14.2
Northwest	591	13.8	10.1	17.5	14.1	10.2	18.0
Southeast	1,173	21.2	18.0	24.4	20.1	16.9	23.4
Southwest	647	14.6	11.1	18.1	13.4	9.6	17.2
St. Louis Metro	1,975	12.4	10.6	14.1	11.8	10.0	13.6
<b>GENDER</b>							
Female	4,161	15.2	13.7	16.7	14.5	12.9	16.1
Male	3,009	12.4	10.9	14.0	12.1	10.4	13.7
<b>RACE</b>							
African-American	643	14.8	11.3	18.3	14.0	10.9	17.1
Other	450	13.9	9.8	18.0	17.1	12.6	21.6
White	6,077	13.7	12.5	14.9	12.9	11.7	14.2
<b>EDUCATION</b>							
< High School	656	23.2	18.5	27.8	22.5	17.4	27.7
High School	2,350	16.9	14.9	18.9	15.8	13.6	18.0
High School +	4,134	10.2	9.0	11.3	9.9	8.7	11.1
<b>INCOME</b>							
<\$15,000	734	31.9	27.0	36.9	30.6	26.0	35.3
\$15,000-24,999	955	17.9	14.7	21.0	17.9	14.6	21.3
\$25,000-34,999	696	15.4	11.7	19.1	15.1	10.8	19.4
\$35,000-49,999	901	11.9	8.7	15.1	12.0	8.3	15.6
\$50,000-74,999	921	8.9	6.3	11.4	8.4	5.7	11.2
\$75,000+	1,546	5.8	4.3	7.3	5.6	4.1	7.1

Definition: “14 or greater” response to the question “Now thinking about your physical health, which includes physical illness and injury, for how many days during the past 30 days was your physical health not good?”



# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 2 Healthy Days: Health-related Quality of Life

### Table 2.2.1 No poor mental health in the past 30 days

Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,190	66.7	65.1	68.3	65.8	64.1	67.5
<b>REGION</b>							
Central	666	65.8	60.8	70.7	66.6	61.6	71.5
Kansas City Metro	1,516	66.8	63.6	70.0	66.1	62.7	69.5
Northeast	611	72.9	68.0	77.8	72.9	67.7	78.2
Northwest	594	67.2	61.4	73.1	66.8	60.9	72.6
Southeast	1,179	66.3	62.5	70.1	64.7	60.4	69.1
Southwest	651	65.1	60.1	70.1	63.9	58.4	69.4
St. Louis Metro	1,973	67.0	64.2	69.8	65.9	62.9	68.9
<b>GENDER</b>							
Female	4,186	61.0	58.8	63.2	59.2	56.8	61.6
Male	3,004	72.8	70.6	75.0	72.6	70.2	74.9
<b>RACE</b>							
African-American	652	65.3	60.0	70.7	65.5	60.2	70.9
Other	444	61.2	54.1	68.3	64.1	58.0	70.3
White	6,094	67.4	65.7	69.1	65.9	64.0	67.8
<b>EDUCATION</b>							
< High School	668	66.7	61.0	72.3	65.5	59.5	71.5
High School	2,351	68.7	66.0	71.5	67.9	64.5	71.2
High School +	4,141	65.5	63.4	67.5	64.9	62.8	67.0
<b>INCOME</b>							
<\$15,000	733	49.9	44.5	55.4	51.7	46.2	57.2
\$15,000-24,999	968	55.8	50.9	60.8	53.9	48.7	59.1
\$25,000-34,999	694	65.7	60.6	70.7	63.1	57.1	69.2
\$35,000-49,999	900	69.0	64.6	73.4	68.1	63.3	73.0
\$50,000-74,999	912	73.4	69.5	77.3	72.7	68.4	77.1
\$75,000+	1,546	71.5	68.3	74.6	71.1	67.8	74.4

Definition: “0” response to the question “Now thinking about your mental health, which includes stress, depression and problems with emotions, for how many days during the past 30 days was your mental health not good?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 2 Healthy Days: Health-related Quality of Life

**Table 2.2.2 Frequent poor mental health - 14 or more of the past 30 days**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,190	12.9	11.7	14.0	13.2	11.9	14.5
<b>REGION</b>							
Central	666	13.5	9.8	17.2	13.4	9.7	17.2
Kansas City Metro	1,516	12.4	10.1	14.7	12.7	10.3	15.2
Northeast	611	9.4	6.2	12.5	8.9	5.6	12.2
Northwest	594	11.3	7.4	15.2	11.0	7.4	14.6
Southeast	1,179	16.3	13.4	19.2	17.1	13.7	20.5
Southwest	651	14.4	10.6	18.2	14.8	10.6	19.0
St. Louis Metro	1,973	11.9	9.9	14.0	12.2	10.0	14.4
<b>GENDER</b>							
Female	4,186	15.8	14.0	17.6	16.6	14.6	18.6
Male	3,004	9.7	8.3	11.2	9.8	8.3	11.3
<b>RACE</b>							
African-American	652	12.5	8.9	16.1	11.9	8.6	15.2
Other	444	18.0	11.6	24.3	17.6	12.4	22.8
White	6,094	12.5	11.2	13.7	13.0	11.6	14.4
<b>EDUCATION</b>							
< High School	668	20.5	15.4	25.6	21.5	16.1	27.0
High School	2,351	14.3	12.3	16.4	14.8	12.3	17.2
High School +	4,141	10.4	9.1	11.8	10.7	9.3	12.2
<b>INCOME</b>							
<\$15,000	733	30.6	25.5	35.8	29.3	24.3	34.3
\$15,000-24,999	968	21.2	16.9	25.5	22.6	18.0	27.2
\$25,000-34,999	694	10.8	7.4	14.1	12.9	8.4	17.5
\$35,000-49,999	900	8.7	6.2	11.3	9.1	6.2	12.0
\$50,000-74,999	912	8.7	6.0	11.4	8.9	6.0	11.7
\$75,000+	1,546	6.6	4.9	8.3	6.7	4.8	8.6

Definition: “14 or greater” response to the question “Now thinking about your mental health, which includes stress, depression and problems with emotions, for how many days during the past 30 days was your mental health not good?”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 2 Healthy Days: Health-related Quality of Life**

**Table 2.3.1 Not kept from usual activities due to poor physical or mental health during the past 30 days**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	3,737	56.9	54.6	59.2	56.9	54.5	59.3
<b>REGION</b>							
Central	366	55.2	48.4	62.0	52.7	45.5	60.0
Kansas City Metro	741	60.5	55.9	65.2	60.3	55.4	65.1
Northeast	297	56.8	48.9	64.7	57.7	49.6	65.9
Northwest	302	57.6	48.9	66.3	58.1	49.5	66.7
Southeast	662	51.9	46.6	57.1	52.4	46.8	58.0
Southwest	345	57.7	50.6	64.8	57.7	50.6	64.8
St. Louis Metro	1,024	56.7	52.6	60.8	56.6	52.4	60.7
<b>GENDER</b>							
Female	2,327	54.7	51.7	57.8	54.2	51.0	57.3
Male	1,410	59.8	56.3	63.3	60.2	56.6	63.8
<b>RACE</b>							
African-American	363	60.4	53.2	67.6	61.4	55.0	67.8
Other	249	50.2	40.1	60.4	50.5	41.7	59.2
White	3,125	57.1	54.6	59.5	57.1	54.4	59.7
<b>EDUCATION</b>							
< High School	384	45.2	37.4	53.0	45.8	37.5	54.1
High School	1,254	56.4	52.4	60.3	57.2	52.5	62.0
High School +	2,086	60.0	57.1	62.9	59.1	56.3	62.0
<b>INCOME</b>							
<\$15,000	527	41.3	35.1	47.5	41.8	35.3	48.4
\$15,000-24,999	596	52.8	46.5	59.0	52.5	46.7	58.3
\$25,000-34,999	374	62.1	55.3	68.9	60.9	53.3	68.5
\$35,000-49,999	446	64.0	57.7	70.3	63.9	57.2	70.7
\$50,000-74,999	445	57.3	50.7	63.8	57.1	50.4	63.9
\$75,000+	653	62.1	57.2	67.1	61.0	56.0	66.0

Definition: “0” response to the question “During the past 30 days, for about how many days did poor physical or mental health keep you from doing your usual activities, such as self-care, work, or recreation?”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 2 Healthy Days: Health-related Quality of Life**

**Table 2.3.2 Kept from usual activities due to poor physical or mental health - 14 or more of the past 30 days**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	3,737	18.6	16.8	20.4	18.5	16.6	20.3
<b>REGION</b>							
Central	366	20.7	15.2	26.2	22.3	16.1	28.5
Kansas City Metro	741	15.6	12.0	19.2	15.6	11.7	19.5
Northeast	297	18.7	13.3	24.2	17.8	12.3	23.3
Northwest	302	13.8	8.9	18.6	13.7	9.1	18.2
Southeast	662	29.3	24.7	34.0	28.0	23.2	32.8
Southwest	345	17.5	12.4	22.6	17.2	12.2	22.2
St. Louis Metro	1,024	17.4	14.1	20.8	17.1	13.8	20.4
<b>GENDER</b>							
Female	2,327	18.8	16.4	21.2	18.6	16.1	21.2
Male	1,410	18.3	15.6	21.0	18.3	15.5	21.0
<b>RACE</b>							
African-American	363	13.8	9.6	18.0	13.8	9.8	17.8
Other	249	22.7	12.8	32.5	24.9	16.5	33.2
White	3,125	18.9	16.9	20.8	18.4	16.5	20.4
<b>EDUCATION</b>							
< High School	384	32.8	25.0	40.5	31.4	23.6	39.2
High School	1,254	21.1	18.0	24.2	20.6	17.1	24.2
High School +	2,086	14.1	12.1	16.1	14.6	12.6	16.6
<b>INCOME</b>							
<\$15,000	527	42.1	35.8	48.4	41.4	34.8	48.0
\$15,000-24,999	596	24.5	18.9	30.0	25.5	19.9	31.0
\$25,000-34,999	374	16.3	11.1	21.5	16.7	10.2	23.2
\$35,000-49,999	446	11.1	7.5	14.8	10.5	7.1	13.8
\$50,000-74,999	445	13.6	9.0	18.1	13.9	9.1	18.7
\$75,000+	653	7.8	5.0	10.6	8.7	5.6	11.7

Definition: “14 or more of the past 30 days” response to the question “During the past 30 days, for about how many days did poor physical or mental health keep you from doing your usual activities, such as self-care, work, or recreation?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 3 Disability

**Table 3.1 Limited in activities because of physical, mental or emotional problems**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,184	25.1	23.7	26.5	24.2	22.7	25.7
<b>REGION</b>							
Central	663	24.9	20.9	29.0	24.9	20.6	29.3
Kansas City Metro	1,522	22.6	19.8	25.3	21.9	19.0	24.7
Northeast	612	22.3	18.3	26.3	20.7	16.9	24.4
Northwest	595	24.5	19.5	29.5	24.9	19.5	30.4
Southeast	1,180	32.5	28.9	36.2	31.0	27.2	34.7
Southwest	655	29.0	24.4	33.6	27.3	22.5	32.2
St. Louis Metro	1,957	23.3	20.8	25.8	22.5	19.8	25.2
<b>GENDER</b>							
Female	4,177	26.7	24.7	28.7	25.7	23.6	27.8
Male	3,007	23.4	21.4	25.4	22.8	20.7	24.9
<b>RACE</b>							
African-American	634	22.6	18.4	26.8	21.7	17.7	25.6
Other	453	23.8	17.3	30.4	26.8	21.0	32.6
White	6,097	25.5	24.0	27.1	24.2	22.6	25.9
<b>EDUCATION</b>							
< High School	668	39.6	33.9	45.3	39.2	32.8	45.6
High School	2,358	25.8	23.4	28.3	24.8	21.9	27.7
High School +	4,131	21.7	20.0	23.4	21.3	19.6	23.0
<b>INCOME</b>							
<\$15,000	745	45.2	39.9	50.5	44.5	39.3	49.8
\$15,000-24,999	966	33.4	28.9	38.0	33.9	29.2	38.7
\$25,000-34,999	697	27.1	22.5	31.7	26.3	21.1	31.5
\$35,000-49,999	903	22.9	18.9	26.8	22.0	17.8	26.2
\$50,000-74,999	921	19.2	15.5	22.9	19.6	15.3	24.0
\$75,000+	1,543	15.1	12.7	17.4	15.0	12.6	17.4

Definition: “Yes” response to the question “Are you limited in any way in any activities because of physical, mental or emotional problems?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 3 Disability

**Table 3.2 Had health problem that required use of special equipment**  
*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,200	10.9	10.0	11.9	10.2	9.2	11.2
<b>REGION</b>							
Central	666	11.1	8.2	14.1	10.9	7.4	14.3
Kansas City Metro	1,525	10.8	8.8	12.8	10.4	8.4	12.5
Northeast	616	11.1	8.3	13.9	9.8	7.2	12.3
Northwest	593	12.7	8.8	16.6	12.8	8.1	17.5
Southeast	1,181	13.3	10.9	15.6	11.4	9.2	13.6
Southwest	654	12.4	9.2	15.6	11.1	7.8	14.3
St. Louis Metro	1,965	9.4	7.9	11.0	8.9	7.3	10.5
<b>GENDER</b>							
Female	4,188	11.7	10.3	13.0	10.5	9.2	11.9
Male	3,012	10.2	8.8	11.5	9.8	8.4	11.3
<b>RACE</b>							
African-American	637	12.9	9.6	16.2	12.3	9.6	15.1
Other	452	11.7	7.4	15.9	15.8	11.0	20.6
White	6,111	10.6	9.6	11.6	9.6	8.5	10.6
<b>EDUCATION</b>							
< High School	670	17.4	13.6	21.2	14.7	11.1	18.2
High School	2,363	11.0	9.3	12.6	9.9	7.9	11.9
High School +	4,140	9.6	8.4	10.7	9.4	8.2	10.6
<b>INCOME</b>							
<\$15,000	747	26.9	22.3	31.4	26.0	21.7	30.3
\$15,000-24,999	965	14.8	12.0	17.7	14.2	11.1	17.3
\$25,000-34,999	698	9.3	6.8	11.9	7.5	5.4	9.6
\$35,000-49,999	905	7.1	5.2	9.0	6.3	4.6	8.1
\$50,000-74,999	922	8.9	6.1	11.8	8.9	5.7	12.1
\$75,000+	1,542	5.5	3.9	7.1	5.5	3.9	7.2

Definition: "Yes" response to the question "Do you now have any health problem that requires you to use special equipment, such as a cane, a wheelchair, a special bed or a special telephone? Include occasional use or use in certain circumstances."

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 6 Disability

**Table 3.3 Blind or had serious difficulty seeing even when wearing glasses**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,187	4.2	3.6	4.8	4.0	3.4	4.6
<b>REGION</b>							
Central	664	3.6	2.0	5.3	3.6	1.9	5.3
Kansas City Metro	1,522	3.3	2.2	4.3	3.1	2.1	4.2
Northeast	615	5.0	2.5	7.5	4.7	2.0	7.4
Northwest	592	4.1	2.4	5.8	4.0	2.2	5.9
Southeast	1,180	6.5	4.8	8.2	5.8	4.2	7.3
Southwest	654	4.5	2.6	6.3	4.5	2.5	6.4
St. Louis Metro	1,960	4.1	2.8	5.3	3.9	2.6	5.2
<b>GENDER</b>							
Female	4,178	4.9	4.0	5.8	4.7	3.8	5.6
Male	3,009	3.4	2.6	4.3	3.3	2.4	4.1
<b>RACE</b>							
African-American	635	6.3	3.6	9.0	5.7	3.5	8.0
Other	451	6.6	2.9	10.3	6.9	3.8	9.9
White	6,101	3.7	3.1	4.3	3.4	2.8	4.0
<b>EDUCATION</b>							
< High School	669	9.0	5.8	12.2	8.1	5.1	11.1
High School	2,359	4.6	3.7	5.6	4.3	3.2	5.4
High School +	4,133	2.9	2.2	3.6	2.9	2.2	3.6
<b>INCOME</b>							
<\$15,000	742	10.6	7.8	13.4	10.7	7.6	13.8
\$15,000-24,999	965	8.2	5.6	10.9	8.2	5.5	10.8
\$25,000-34,999	697	2.7	1.5	3.9	2.1	1.1	3.1
\$35,000-49,999	904	2.4	1.1	3.6	2.0	0.9	3.0
\$50,000-74,999	921	2.8	0.9	4.6	2.5	0.8	4.2
\$75,000+	1,539	1.4	0.6	2.1	1.4	0.6	2.1

Definition: "Yes" response to the question "Are you blind or do you have serious difficulty seeing, even when wearing glasses?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 3 Disability

**Table 3.4 Had serious difficulty concentrating, remembering, or making decisions because of a physical, mental, or emotional condition**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

		Prevalence			Age-adjusted Prevalence		
Demographic	Sample Size	%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,170	11.1	10.1	12.2	11.1	10.0	12.2
<b>REGION</b>							
Central	663	11.3	8.0	14.5	11.7	8.1	15.3
Kansas City Metro	1,515	9.7	7.7	11.8	9.6	7.5	11.7
Northeast	615	10.2	7.3	13.0	9.6	6.7	12.5
Northwest	588	9.0	6.1	11.9	9.0	6.0	12.0
Southeast	1,175	17.4	14.5	20.2	17.3	14.2	20.4
Southwest	654	12.8	9.3	16.4	12.3	8.9	15.7
St. Louis Metro	1,960	9.8	7.9	11.7	9.9	7.9	12.0
<b>GENDER</b>							
Female	4,169	12.8	11.2	14.4	13.0	11.2	14.7
Male	3,001	9.3	8.0	10.7	9.2	7.8	10.6
<b>RACE</b>							
African-American	634	11.2	8.1	14.3	11.0	8.0	14.0
Other	450	15.9	9.7	22.0	16.3	11.1	21.4
White	6,086	10.7	9.6	11.8	10.6	9.4	11.8
<b>EDUCATION</b>							
< High School	669	24.2	19.0	29.3	24.0	18.7	29.3
High School	2,353	12.3	10.5	14.2	12.7	10.6	14.9
High School +	4,121	7.7	6.6	8.8	7.7	6.6	8.9
<b>INCOME</b>							
<\$15,000	744	31.6	26.6	36.6	31.5	26.3	36.6
\$15,000-24,999	962	18.3	14.3	22.3	19.5	15.1	23.8
\$25,000-34,999	696	10.1	6.9	13.2	11.9	7.7	16.2
\$35,000-49,999	900	8.0	5.6	10.5	8.1	5.4	10.7
\$50,000-74,999	921	5.6	3.6	7.6	5.5	3.5	7.6
\$75,000+	1,534	2.9	1.8	4.1	3.1	1.8	4.4

Definition: “Yes” response to the question “Because of a physical, mental, or emotional condition, do you have serious difficulty concentrating, remembering, or making decisions?”



# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 3 Disability

**Table 3.5 Had serious difficulty walking or climbing stairs**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,169	15.7	14.6	16.9	14.8	13.7	16.0
<b>REGION</b>							
Central	663	16.2	13.0	19.4	15.5	12.1	18.8
Kansas City Metro	1,515	14.3	12.1	16.6	13.6	11.3	15.8
Northeast	616	16.7	13.3	20.0	14.9	11.7	18.0
Northwest	591	15.2	11.1	19.2	15.0	10.3	19.7
Southeast	1,174	21.5	18.5	24.6	19.5	16.4	22.5
Southwest	654	18.6	14.7	22.6	18.0	13.7	22.3
St. Louis Metro	1,956	13.5	11.6	15.4	12.7	10.8	14.6
<b>GENDER</b>							
Female	4,172	18.7	17.0	20.4	17.6	15.9	19.3
Male	2,997	12.6	11.1	14.1	11.9	10.3	13.5
<b>RACE</b>							
African-American	634	19.6	15.4	23.7	19.1	15.3	22.9
Other	449	12.6	8.9	16.2	17.6	13.2	21.9
White	6,086	15.5	14.3	16.8	14.2	12.9	15.5
<b>EDUCATION</b>							
< High School	668	29.8	24.7	34.8	27.8	22.4	33.3
High School	2,353	18.7	16.6	20.9	17.2	14.8	19.6
High School +	4,121	11.2	10.0	12.3	10.9	9.7	12.1
<b>INCOME</b>							
<\$15,000	743	34.8	30.1	39.6	34.0	29.8	38.2
\$15,000-24,999	962	21.9	18.4	25.5	22.6	18.8	26.4
\$25,000-34,999	694	18.1	14.1	22.0	16.7	12.2	21.3
\$35,000-49,999	903	14.5	11.2	17.8	13.5	10.0	17.0
\$50,000-74,999	920	10.8	7.8	13.7	10.1	7.0	13.1
\$75,000+	1,536	5.1	3.7	6.5	5.6	3.8	7.3

Definition: "Yes" response to the question "Do you have serious difficulty walking or climbing stairs?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 3 Disability

**Table 3.6 Had difficulty dressing or bathing**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,175	4.6	3.9	5.2	4.4	3.7	5.0
<b>REGION</b>							
Central	664	4.8	3.0	6.6	4.6	2.8	6.3
Kansas City Metro	1,519	3.4	2.1	4.7	3.3	1.9	4.7
Northeast	615	5.3	3.2	7.5	5.0	2.8	7.2
Northwest	591	5.2	2.0	8.4	5.7	1.5	9.9
Southeast	1,176	6.8	5.0	8.6	6.1	4.4	7.7
Southwest	654	4.9	3.0	6.8	4.3	2.5	6.0
St. Louis Metro	1,956	4.3	3.2	5.4	4.2	3.0	5.4
<b>GENDER</b>							
Female	4,172	5.4	4.4	6.4	5.1	4.1	6.0
Male	3,003	3.7	2.9	4.5	3.6	2.7	4.5
<b>RACE</b>							
African-American	634	7.6	4.6	10.5	7.1	4.5	9.7
Other	449	5.0	2.7	7.3	6.7	3.9	9.6
White	6,092	4.2	3.5	4.8	3.9	3.2	4.5
<b>EDUCATION</b>							
< High School	667	8.4	5.6	11.3	8.4	5.3	11.4
High School	2,357	4.7	3.6	5.9	4.3	3.0	5.5
High School +	4,124	3.7	3.0	4.4	3.7	2.9	4.4
<b>INCOME</b>							
<\$15,000	744	14.7	11.3	18.1	14.3	11.0	17.7
\$15,000-24,999	960	5.7	4.0	7.4	5.8	3.9	7.6
\$25,000-34,999	697	3.2	1.5	4.9	3.0	1.2	4.9
\$35,000-49,999	904	3.1	1.7	4.5	2.8	1.5	4.2
\$50,000-74,999	919	3.6	1.6	5.6	3.4	1.5	5.4
\$75,000+	1,537	1.7	0.7	2.7	1.9	0.5	3.3

Definition: "Yes" response to the question "Do you have difficulty dressing or bathing?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 3 Disability

**Table 3.7 Had difficulty doing errands alone such as visiting a doctor's office or shopping because of a physical, mental or emotional condition**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

		Prevalence			Age-adjusted Prevalence		
Demographic	Sample Size	%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,158	8.5	7.5	9.4	8.3	7.3	9.3
<b>REGION</b>							
Central	661	8.0	5.3	10.7	8.4	5.3	11.6
Kansas City Metro	1,514	7.7	5.8	9.7	7.5	5.5	9.6
Northeast	612	6.4	4.2	8.7	5.9	3.6	8.2
Northwest	589	10.0	5.9	14.1	10.3	5.4	15.2
Southeast	1,175	11.5	9.3	13.7	11.0	8.6	13.3
Southwest	652	8.3	5.5	11.0	7.7	5.0	10.4
St. Louis Metro	1,955	8.3	6.6	10.1	8.1	6.3	9.9
<b>GENDER</b>							
Female	4,161	11.1	9.6	12.6	10.8	9.1	12.4
Male	2,997	5.6	4.5	6.7	5.6	4.5	6.8
<b>RACE</b>							
African-American	632	8.9	6.3	11.5	8.3	5.9	10.7
Other	447	14.8	8.5	21.1	14.8	9.7	19.8
White	6,079	7.8	6.9	8.8	7.6	6.5	8.6
<b>EDUCATION</b>							
< High School	664	16.7	12.1	21.2	16.3	11.6	21.0
High School	2,349	10.0	8.2	11.7	10.4	8.2	12.5
High School +	4,118	5.9	5.0	6.8	5.8	4.9	6.8
<b>INCOME</b>							
<\$15,000	738	26.4	21.6	31.2	25.7	21.1	30.3
\$15,000-24,999	958	15.4	11.4	19.4	15.9	11.8	20.1
\$25,000-34,999	695	6.7	4.2	9.2	6.9	3.4	10.3
\$35,000-49,999	902	4.7	2.8	6.5	4.5	2.5	6.5
\$50,000-74,999	919	4.4	2.6	6.1	4.0	2.3	5.8
\$75,000+	1,535	2.3	1.3	3.4	2.4	1.2	3.6

Definition: "Yes" response to the question "Do you have difficulty dressing or bathing?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 4 Health Care Access

**Table 4.1.1 No health care coverage**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,263	12.1	10.8	13.3	12.9	11.6	14.3
<b>REGION</b>							
Central	675	12.9	9.0	16.7	13.0	8.8	17.2
Kansas City Metro	1,535	11.5	9.1	13.8	12.3	9.7	14.9
Northeast	616	15.8	10.8	20.9	17.6	12.1	23.2
Northwest	600	11.4	7.6	15.2	12.8	8.6	17.0
Southeast	1,187	14.4	10.8	18.0	16.4	12.6	20.1
Southwest	659	10.0	6.9	13.1	11.1	7.7	14.5
St. Louis Metro	1,991	12.0	9.7	14.4	12.9	10.4	15.4
<b>GENDER</b>							
Female	4,229	11.4	9.7	13.0	12.5	10.7	14.3
Male	3,034	12.8	10.9	14.6	13.4	11.4	15.4
<b>RACE</b>							
African-American	655	17.9	13.5	22.4	17.3	12.7	21.9
Other	454	24.3	17.3	31.3	19.8	14.6	25.0
White	6,154	10.2	9.0	11.4	11.4	10.0	12.8
<b>EDUCATION</b>							
< High School	679	26.9	21.2	32.6	30.7	24.6	36.9
High School	2,388	14.2	12.1	16.4	17.1	14.4	19.7
High School +	4,170	7.7	6.5	8.9	7.7	6.5	9.0
<b>INCOME</b>							
<\$15,000	752	25.9	21.0	30.8	27.0	22.0	32.1
\$15,000-24,999	976	26.6	21.6	31.5	29.0	23.9	34.1
\$25,000-34,999	701	12.3	8.3	16.2	14.5	9.6	19.4
\$35,000-49,999	909	10.9	7.9	13.9	12.0	8.6	15.4
\$50,000-74,999	925	6.0	3.9	8.2	6.2	3.9	8.6
\$75,000+	1,553	3.0	1.7	4.4	3.3	1.7	4.9

Definition: "No" response to the question "Do you have any kind of health care coverage, including health insurance, prepaid plans such as HMOs or government plans such as Medicare?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 4 Health Care Access

**Table 4.1.2 No health care coverage: Age 18-64**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	4,406	15.1	13.5	16.6	12.7	11.4	14.1
<b>REGION</b>							
Central	395	15.6	10.9	20.4	13.0	8.8	17.1
Kansas City Metro	965	14.2	11.2	17.2	12.1	9.5	14.7
Northeast	344	20.9	14.4	27.5	17.6	12.0	23.2
Northwest	348	14.0	9.2	18.8	12.5	8.3	16.7
Southeast	694	18.8	14.1	23.4	16.2	12.4	20.0
Southwest	383	13.0	8.9	17.0	11.0	7.5	14.4
St. Louis Metro	1,277	14.8	11.9	17.7	12.5	10.1	15.0
<b>GENDER</b>							
Female	2,436	14.4	12.3	16.6	12.3	10.5	14.1
Male	1,970	15.7	13.4	18.0	13.2	11.3	15.2
<b>RACE</b>							
African-American	451	20.6	15.4	25.8	16.8	12.2	21.3
Other	347	26.8	19.1	34.5	19.8	14.6	25.0
White	3,608	13.0	11.5	14.6	11.2	9.8	12.6
<b>EDUCATION</b>							
< High School	318	36.5	28.9	44.0	30.3	24.2	36.5
High School	1,328	18.8	15.9	21.6	16.9	14.3	19.6
High School +	2,754	9.1	7.6	10.6	7.6	6.3	8.8
<b>INCOME</b>							
<\$15,000	488	29.9	24.1	35.6	26.2	21.2	31.2
\$15,000-24,999	536	34.4	28.2	40.6	28.6	23.6	33.7
\$25,000-34,999	348	17.3	11.7	22.8	14.3	9.4	19.2
\$35,000-49,999	550	14.0	10.1	17.8	11.9	8.5	15.4
\$50,000-74,999	634	7.1	4.5	9.7	6.1	3.8	8.4
\$75,000+	1,219	3.4	1.8	4.9	3.3	1.7	4.9

Definition: Among respondents age 18-64: “No” response to the question “Do you have any kind of health care coverage, including health insurance, prepaid plans such as HMOs or government plans such as Medicare?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 4 Health Care Access

**Table 4.2.1 Think of no one person as personal doctor or health care provider**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,294	22.3	20.7	23.9	23.7	22.1	25.4
<b>REGION</b>							
Central	678	25.3	20.3	30.3	26.5	21.2	31.7
Kansas City Metro	1,540	24.2	21.0	27.4	25.9	22.6	29.2
Northeast	623	20.3	15.1	25.5	22.3	16.7	27.9
Northwest	601	16.9	12.5	21.4	17.6	12.9	22.3
Southeast	1,199	22.6	18.6	26.5	24.6	20.6	28.7
Southwest	657	22.5	17.6	27.3	23.5	18.3	28.6
St. Louis Metro	1,996	20.9	18.1	23.6	22.3	19.5	25.2
<b>GENDER</b>							
Female	4,248	17.6	15.7	19.6	18.9	16.9	20.9
Male	3,046	27.3	24.8	29.7	28.6	26.1	31.1
<b>RACE</b>							
African-American	658	28.2	22.7	33.7	27.3	21.7	32.8
Other	457	32.0	24.9	39.2	25.5	20.4	30.5
White	6,179	20.7	19.0	22.3	22.9	21.1	24.7
<b>EDUCATION</b>							
< High School	685	32.6	26.4	38.7	36.9	30.5	43.3
High School	2,405	23.2	20.5	26.0	26.5	23.3	29.7
High School +	4,176	19.6	17.7	21.4	20.1	18.3	22.0
<b>INCOME</b>							
<\$15,000	755	30.7	25.3	36.0	31.0	25.5	36.4
\$15,000-24,999	978	31.4	26.3	36.5	33.2	28.0	38.3
\$25,000-34,999	701	20.4	15.6	25.1	22.5	17.1	27.9
\$35,000-49,999	912	24.0	19.6	28.4	26.7	22.1	31.2
\$50,000-74,999	926	21.8	17.5	26.0	22.7	18.2	27.1
\$75,000+	1,553	14.3	11.7	16.9	15.8	12.9	18.7

Definition: “No” response to “Do you have one person you think of as your personal doctor or health care provider?” AND “No person” response to “Is there more than one, or is there no person who you think of as your personal doctor or health care provider?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 4 Health Care Access

**Table 4.2.2 Think of one person as personal doctor or health care provider**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,294	67.4	65.7	69.0	66.3	64.6	68.1
<b>REGION</b>							
Central	678	63.7	58.6	68.8	63.0	57.6	68.4
Kansas City Metro	1,540	66.1	62.8	69.4	64.6	61.2	68.0
Northeast	623	69.6	64.1	75.0	68.7	62.7	74.6
Northwest	601	71.2	66.1	76.3	71.1	65.8	76.4
Southeast	1,199	67.1	63.0	71.2	66.1	62.0	70.3
Southwest	657	69.9	64.8	74.9	69.2	63.9	74.5
St. Louis Metro	1,996	67.6	64.7	70.5	66.4	63.4	69.5
<b>GENDER</b>							
Female	4,248	70.7	68.6	72.9	69.9	67.7	72.1
Male	3,046	63.8	61.3	66.3	62.7	60.1	65.3
<b>RACE</b>							
African-American	658	60.4	54.8	66.0	61.4	55.6	67.2
Other	457	56.3	49.1	63.4	61.3	55.6	67.0
White	6,179	69.3	67.5	71.0	67.5	65.6	69.4
<b>EDUCATION</b>							
< High School	685	58.1	52.1	64.1	55.1	48.7	61.5
High School	2,405	65.3	62.4	68.2	63.0	59.7	66.4
High School +	4,176	70.5	68.5	72.5	70.1	68.1	72.1
<b>INCOME</b>							
<\$15,000	755	55.7	50.3	61.1	55.8	50.3	61.4
\$15,000-24,999	978	59.7	54.6	64.7	58.3	53.0	63.5
\$25,000-34,999	701	69.3	64.3	74.4	68.3	62.6	74.1
\$35,000-49,999	912	66.9	62.3	71.5	64.8	60.1	69.5
\$50,000-74,999	926	68.5	64.1	73.0	67.7	63.0	72.4
\$75,000+	1,553	75.3	72.2	78.4	73.5	70.2	76.7

Definition: “Yes, only one” response to “Do you have one person you think of as your personal doctor or health care provider?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 4 Health Care Access

**Table 4.2.3 Think of more than one person as personal doctor or health care provider**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

		<i>Prevalence</i>			<i>Age-adjusted Prevalence</i>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	7,294	10.4	9.4	11.3	9.9	9.0	10.9
<b>REGION</b>							
Central	678	11.0	8.5	13.5	10.6	8.1	13.1
Kansas City Metro	1,540	9.7	7.8	11.5	9.5	7.5	11.5
Northeast	623	10.1	7.2	13.1	9.1	6.0	12.2
Northwest	601	11.9	8.7	15.0	11.3	8.4	14.2
Southeast	1,199	10.4	8.1	12.6	9.2	7.0	11.5
Southwest	657	7.7	5.0	10.4	7.4	4.5	10.3
St. Louis Metro	1,996	11.5	9.8	13.3	11.2	9.4	13.1
<b>GENDER</b>							
Female	4,248	11.6	10.3	13.0	11.2	9.8	12.6
Male	3,046	9.0	7.7	10.3	8.7	7.4	10.0
<b>RACE</b>							
African-American	658	11.4	8.1	14.7	11.3	8.1	14.6
Other	457	11.7	7.7	15.8	13.2	9.2	17.3
White	6,179	10.1	9.1	11.1	9.6	8.5	10.6
<b>EDUCATION</b>							
< High School	685	9.3	6.8	11.9	8.0	5.6	10.5
High School	2,405	11.4	9.7	13.2	10.5	8.5	12.5
High School +	4,176	9.9	8.8	11.1	9.8	8.6	11.0
<b>INCOME</b>							
<\$15,000	755	13.7	10.5	16.8	13.2	10.1	16.3
\$15,000-24,999	978	9.0	6.9	11.0	8.6	6.5	10.6
\$25,000-34,999	701	10.3	7.6	13.0	9.1	6.2	12.1
\$35,000-49,999	912	9.1	6.7	11.5	8.6	6.1	11.0
\$50,000-74,999	926	9.7	7.1	12.3	9.6	6.8	12.4
\$75,000+	1,553	10.4	8.4	12.5	10.7	8.5	13.0

Definition: “No” response to the question “Do you have one person you think of as your personal doctor or health care provider?” OR “More than one” response to “Do you have one person you think of as your personal doctor or health care provider?” AND “More than one” response to “Is there more than one, or is there no person who you think of as your personal doctor or health care provider?”



# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2014

## Chapter 4 Health Care Access

**Table 4.3.1 Used health care coverage through employer to pay most of the medical care**  
Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,364	52.6	50.7	54.5	57.6	55.6	59.7
<b>REGION</b>							
Central	505	46.4	40.4	52.4	50.0	43.2	56.8
Kansas City Metro	993	56.1	52.1	60.1	63.6	59.4	67.9
Northeast	493	50.2	44.2	56.3	57.7	52.0	63.4
Northwest	468	49.7	42.8	56.6	53.3	45.6	61.0
Southeast	911	40.7	36.1	45.3	47.0	41.6	52.5
Southwest	493	49.1	43.0	55.2	54.6	48.2	61.0
St. Louis Metro	1,501	58.2	55.1	61.4	61.8	58.7	64.9
<b>GENDER</b>							
Female	3,132	51.9	49.4	54.5	58.0	55.3	60.7
Male	2,232	53.3	50.4	56.2	57.3	54.3	60.3
<b>RACE</b>							
African-American	445	49.4	42.7	56.1	50.5	44.4	56.7
Other	294	51.5	43.0	60.1	48.5	40.6	56.3
White	4,625	53.0	51.0	55.1	59.4	57.1	61.6
<b>EDUCATION</b>							
< High School	472	25.1	18.2	32.0	30.7	22.0	39.5
High School	1,765	45.2	41.6	48.7	52.1	47.9	56.4
High School +	3,112	62.0	59.7	64.3	64.3	62.1	66.6
<b>INCOME</b>							
<\$15,000	481	7.2	2.9	11.5	7.6	3.3	11.8
\$15,000-24,999	685	26.0	20.3	31.7	31.5	24.9	38.1
\$25,000-34,999	530	48.8	42.7	54.9	60.3	54.0	66.5
\$35,000-49,999	690	56.2	50.9	61.5	63.3	58.2	68.4
\$50,000-74,999	705	66.2	61.5	71.0	66.9	62.0	71.9
\$75,000+	1,190	76.9	73.9	79.9	74.2	71.4	77.0

Definition: “Your employer, or Someone else’s employer” response to the question “What type of health care coverage do you use to pay for MOST of your medical care? Is it coverage through: 1) Your employer, 2) Someone else’s employer, 3) A plan that you or someone else buys on your own, 4) Medicare, 5) MC+, Medicaid MO Healthnet or Medical Assistance, 6) The Military, CHAMPUS, Tricare, or the VA or CHAMP-VA, 7) The Indian Health Service, or 8) Some other source?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2014

## Chapter 4 Health Care Access

**Table 4.3.2 Used health care coverage bought by self to pay most of the medical care**  
Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,364	10.6	9.4	11.8	10.8	9.5	12.2
<b>REGION</b>							
Central	505	12.7	8.8	16.7	12.3	8.6	16.1
Kansas City Metro	993	9.9	7.3	12.5	9.8	7.0	12.6
Northeast	493	10.6	7.1	14.0	11.0	6.9	15.1
Northwest	468	7.9	4.1	11.7	8.2	4.2	12.2
Southeast	911	11.3	8.2	14.5	12.1	8.3	15.8
Southwest	493	11.4	7.8	15.0	12.2	7.7	16.7
St. Louis Metro	1,501	10.1	8.0	12.1	10.5	8.1	12.8
<b>GENDER</b>							
Female	3,132	10.3	8.8	11.8	10.1	8.4	11.8
Male	2,232	11.0	9.1	12.8	11.4	9.3	13.5
<b>RACE</b>							
African-American	445	8.7	4.8	12.5	8.5	4.7	12.4
Other	294	11.6	5.9	17.2	11.4	5.9	16.8
White	4,625	10.8	9.5	12.1	11.0	9.5	12.5
<b>EDUCATION</b>							
< High School	472	9.2	5.2	13.1	9.3	4.3	14.4
High School	1,765	11.9	9.6	14.2	12.3	9.3	15.2
High School +	3,112	10.1	8.6	11.6	10.3	8.7	11.9
<b>INCOME</b>							
<\$15,000	481	12.1	7.5	16.7	11.0	6.4	15.6
\$15,000-24,999	685	15.5	11.3	19.7	15.4	10.9	19.8
\$25,000-34,999	530	10.1	6.5	13.6	10.5	6.5	14.6
\$35,000-49,999	690	10.2	6.9	13.5	10.3	6.5	14.1
\$50,000-74,999	705	9.9	6.8	13.1	10.5	6.8	14.2
\$75,000+	1,190	9.3	7.0	11.6	8.3	6.2	10.5

Definition: “A plan that you or someone else buys on your own” response to the question “What type of health care coverage do you use to pay for MOST of your medical care? Is it coverage through: 1) Your employer, 2) Someone else’s employer, 3) A plan that you or someone else buys on your own, 4) Medicare, 5) MC+, Medicaid MO Healthnet or Medical Assistance, 6) The Military, CHAMPUS, Tricare, or the VA or CHAMP-VA, 7) The Indian Health Service, or 8) Some other source?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2014

## Chapter 4 Health Care Access

**Table 4.3.3 Used health care coverage through Medicare to pay most of the medical care**  
Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,364	25.5	24.0	26.9	19.4	18.2	20.6
<b>REGION</b>							
Central	505	27.9	22.8	32.9	23.3	18.1	28.6
Kansas City Metro	993	25.4	22.4	28.5	17.7	15.5	19.8
Northeast	493	29.7	25.0	34.4	21.6	18.4	24.7
Northwest	468	27.1	21.7	32.4	19.5	16.5	22.5
Southeast	911	31.4	27.6	35.2	21.3	19.0	23.6
Southwest	493	25.9	21.5	30.3	18.1	15.5	20.7
St. Louis Metro	1,501	22.3	20.0	24.7	18.1	16.4	19.9
<b>GENDER</b>							
Female	3,132	27.2	25.2	29.1	19.5	18.0	21.0
Male	2,232	23.7	21.5	25.9	19.2	17.4	21.0
<b>RACE</b>							
African-American	445	24.1	18.9	29.2	23.1	18.7	27.5
Other	294	15.1	10.5	19.8	18.5	14.5	22.5
White	4,625	26.4	24.8	28.0	19.0	17.7	20.3
<b>EDUCATION</b>							
< High School	472	42.7	36.1	49.4	32.3	24.4	40.2
High School	1,765	30.1	27.4	32.8	20.8	18.8	22.7
High School +	3,112	19.6	18.0	21.2	16.8	15.8	17.9
<b>INCOME</b>							
<\$15,000	481	42.8	36.0	49.5	38.5	31.2	45.7
\$15,000-24,999	685	39.4	34.0	44.9	30.2	24.1	36.2
\$25,000-34,999	530	31.1	26.1	36.1	17.8	15.1	20.5
\$35,000-49,999	690	24.5	20.7	28.3	17.1	15.1	19.0
\$50,000-74,999	705	16.4	13.3	19.6	14.9	12.7	17.0
\$75,000+	1,190	9.3	7.7	11.0	13.2	11.9	14.4

Definition: "Medicare" response to the question "What type of health care coverage do you use to pay for MOST of your medical care? Is it coverage through: 1) Your employer, 2) Someone else's employer, 3) A plan that you or someone else buys on your own, 4) Medicare, 5) MC+, Medicaid MO Healthnet or Medical Assistance, 6) The Military, CHAMPUS, Tricare, or the VA or CHAMP-VA, 7) The Indian Health Service, or 8) Some other source?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2014

## Chapter 4 Health Care Access

**Table 4.3.4 Used health care coverage through MC+, Medicaid MO Healthnet or Medical Assistance to pay most of the medical care**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,364	5.1	4.2	6.1	6.0	4.9	7.1
<b>REGION</b>							
Central	505	4.0	1.5	6.6	4.9	1.7	8.0
Kansas City Metro	993	3.0	1.4	4.6	3.5	1.2	5.8
Northeast	493	5.5	2.4	8.6	6.4	2.5	10.3
Northwest	468	4.9	1.9	7.8	6.0	2.0	10.0
Southeast	911	10.0	6.7	13.3	13.4	9.0	17.9
Southwest	493	6.8	3.3	10.3	7.3	3.4	11.3
St. Louis Metro	1,501	4.4	3.1	5.7	4.9	3.4	6.4
<b>GENDER</b>							
Female	3,132	7.2	5.7	8.7	8.9	7.0	10.9
Male	2,232	2.9	2.0	3.9	3.1	2.0	4.2
<b>RACE</b>							
African-American	445	8.9	5.7	12.1	9.4	5.8	12.9
Other	294	9.0	3.8	14.2	8.6	4.0	13.3
White	4,625	4.4	3.4	5.4	5.2	4.0	6.4
<b>EDUCATION</b>							
< High School	472	14.5	9.4	19.6	19.4	12.5	26.4
High School	1,765	6.8	5.0	8.5	9.0	6.5	11.6
High School +	3,112	2.5	1.7	3.3	2.7	1.8	3.7
<b>INCOME</b>							
<\$15,000	481	29.6	22.8	36.4	33.8	25.6	42.1
\$15,000-24,999	685	10.5	6.7	14.4	14.0	9.0	19.1
\$25,000-34,999	530	3.3	1.0	5.7	4.4	1.1	7.6
\$35,000-49,999	690	0.9	0.0	1.9	1.0	0.0	2.3
\$50,000-74,999	705	0.8	0.1	1.5	0.9	0.0	1.8
\$75,000+	1,190	0.1	0.0	0.3	0.2	0.0	0.3

Definition: "MC+, Medicaid MO Healthnet or Medical Assistance" response to the question "What type of health care coverage do you use to pay for MOST of your medical care? Is it coverage through: 1) Your employer, 2) Someone else's employer, 3) A plan that you or someone else buys on your own, 4) Medicare, 5) MC+, Medicaid MO Healthnet or Medical Assistance, 6) The Military, CHAMPUS, Tricare, or the VA or CHAMP-VA, 7) The Indian Health Service, or 8) Some other source?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2014

## Chapter 4 Health Care Access

**Table 4.3.5 Used health care coverage through the military, CHAMPUS, TriCare, or the VA or CHAMP-VA to pay most of the medical care**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,364	3.5	2.8	4.1	3.3	2.6	4.0
<b>REGION</b>							
Central	505	6.3	3.3	9.3	6.7	3.1	10.2
Kansas City Metro	993	2.8	1.6	3.9	2.7	1.4	3.9
Northeast	493	2.3	0.8	3.7	1.6	0.5	2.8
Northwest	468	6.1	3.3	9.0	5.6	2.8	8.4
Southeast	911	4.2	2.7	5.8	3.7	2.1	5.2
Southwest	493	3.6	1.3	5.8	4.2	1.0	7.4
St. Louis Metro	1,501	2.5	1.6	3.3	2.1	1.4	2.9
<b>GENDER</b>							
Female	3,132	1.4	0.9	1.9	1.3	0.8	1.8
Male	2,232	5.7	4.4	6.9	5.5	4.1	6.9
<b>RACE</b>							
African-American	445	4.7	2.3	7.2	4.5	2.2	6.7
Other	294	5.7	2.6	8.8	6.2	2.9	9.6
White	4,625	3.1	2.4	3.8	3.0	2.2	3.9
<b>EDUCATION</b>							
< High School	472	3.8	1.6	6.0	2.7	0.7	4.8
High School	1,765	2.9	1.9	3.8	2.6	1.6	3.7
High School +	3,112	3.7	2.8	4.7	3.6	2.6	4.6
<b>INCOME</b>							
<\$15,000	481	4.4	0.8	8.0	4.9	0.1	9.7
\$15,000-24,999	685	4.5	2.3	6.7	4.2	1.9	6.6
\$25,000-34,999	530	5.0	2.7	7.3	5.3	2.1	8.6
\$35,000-49,999	690	3.9	2.2	5.6	3.7	1.8	5.7
\$50,000-74,999	705	3.5	1.4	5.5	3.3	1.1	5.4
\$75,000+	1,190	2.8	1.6	3.9	2.6	1.3	3.9

Definition: "The Military, CHAMPUS, Tricare, or the VA or CHAMP-VA" response to the question "What type of health care coverage do you use to pay for MOST of your medical care? Is it coverage through: 1) Your employer, 2) Someone else's employer, 3) A plan that you or someone else buys on your own, 4) Medicare, 5) MC+, Medicaid MO Healthnet or Medical Assistance, 6) The Military, CHAMPUS, Tricare, or the VA or CHAMP-VA, 7) The Indian Health Service, or 8) Some other source?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2014

## Chapter 4 Health Care Access

**Table 4.3.6 Used health care coverage through Indian Health Service or some other source to pay most of the medical care**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,188	1.9	1.4	2.3	1.9	1.4	2.4
<b>REGION</b>							
Central	663	1.9	0.2	3.6	1.7	0.3	3.2
Kansas City Metro	1,526	1.6	0.7	2.5	1.4	0.5	2.4
Northeast	616	1.2	0.1	2.4	1.3	0.0	2.6
Northwest	594	3.1	0.0	6.4	4.2	0.0	8.5
Southeast	1,167	1.7	0.8	2.7	1.7	0.7	2.6
Southwest	652	2.3	0.8	3.7	2.4	0.8	4.0
St. Louis Metro	1,970	1.8	1.1	2.6	1.8	1.1	2.6
<b>GENDER</b>							
Female	4,172	1.4	0.9	1.9	1.4	0.9	1.9
Male	3,016	2.4	1.6	3.1	2.3	1.5	3.1
<b>RACE</b>							
African-American	645	2.7	1.1	4.3	2.4	1.0	3.9
Other	450	4.1	1.6	6.5	3.7	1.5	6.0
White	6,093	1.6	1.1	2.1	1.6	1.1	2.1
<b>EDUCATION</b>							
< High School	663	2.9	0.9	4.9	3.1	0.9	5.3
High School	2,375	2.2	1.3	3.1	2.1	1.1	3.1
High School +	4,126	1.5	1.0	2.0	1.5	1.0	2.0
<b>INCOME</b>							
<\$15,000	734	2.3	0.7	3.9	2.1	0.6	3.6
\$15,000-24,999	967	2.5	0.9	4.0	2.7	1.0	4.5
\$25,000-34,999	699	1.2	0.3	2.0	1.2	0.2	2.1
\$35,000-49,999	901	3.0	1.2	4.9	3.1	1.1	5.1
\$50,000-74,999	920	2.2	0.8	3.7	2.5	0.5	4.4
\$75,000+	1,548	1.2	0.5	1.9	1.2	0.4	1.9

Definition: “The Indian Health Service, or Some other source” response to the question “What type of health care coverage do you use to pay for MOST of your medical care? Is it coverage through: 1) Your employer, 2) Someone else’s employer, 3) A plan that you or someone else buys on your own, 4) Medicare, 5) MC+, Medicaid MO Healthnet or Medical Assistance, 6) The Military, CHAMPUS, Tricare, or the VA or CHAMP-VA, 7) The Indian Health Service, or 8) Some other source?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 4 Health Care Access

**Table 4.4 Needed to see a doctor in past 12 months but could not due to cost  
Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)**

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,294	13.8	12.5	15.0	14.5	13.1	15.8
<b>REGION</b>							
Central	678	10.8	7.7	13.9	11.2	7.6	14.8
Kansas City Metro	1,538	12.6	10.2	15.0	13.1	10.6	15.7
Northeast	622	11.4	7.8	15.0	12.2	8.0	16.5
Northwest	601	15.0	10.1	19.8	16.3	11.1	21.6
Southeast	1,198	18.7	15.4	21.9	20.8	17.0	24.6
Southwest	658	12.9	9.2	16.7	13.3	9.1	17.4
St. Louis Metro	1,999	14.6	12.2	17.0	15.3	12.8	17.8
<b>GENDER</b>							
Female	4,246	17.1	15.2	18.9	18.1	16.0	20.1
Male	3,048	10.3	8.7	11.9	10.8	9.0	12.6
<b>RACE</b>							
African-American	658	20.8	16.2	25.4	19.9	15.6	24.2
Other	455	22.7	16.2	29.2	21.6	16.1	27.2
White	6,181	12.1	10.8	13.3	13.0	11.6	14.5
<b>EDUCATION</b>							
< High School	685	23.9	18.4	29.4	26.7	20.4	32.9
High School	2,404	13.3	11.3	15.4	14.6	12.2	17.1
High School +	4,176	11.8	10.4	13.2	11.9	10.4	13.4
<b>INCOME</b>							
<\$15,000	756	27.0	22.3	31.8	27.9	22.9	32.9
\$15,000-24,999	977	27.6	22.9	32.2	29.0	24.0	34.0
\$25,000-34,999	703	16.0	12.0	20.0	18.7	13.8	23.7
\$35,000-49,999	911	12.3	8.9	15.8	13.2	9.2	17.2
\$50,000-74,999	925	10.5	7.5	13.5	11.1	7.7	14.6
\$75,000+	1,552	5.1	3.4	6.9	5.3	3.3	7.3

Definition: "Yes" response to the question "Was there a time in the past 12 months when you needed to see a doctor but could not because of cost?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 4 Health Care Access

**Table 4.5.1 Had routine checkup by doctor within past year**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,186	67.4	65.8	69.1	65.7	63.9	67.4
<b>REGION</b>							
Central	671	65.6	60.6	70.6	64.4	59.0	69.8
Kansas City Metro	1,512	66.7	63.4	70.0	65.3	61.9	68.8
Northeast	608	62.8	57.1	68.6	58.8	52.9	64.7
Northwest	588	68.5	62.7	74.4	66.5	60.6	72.5
Southeast	1,172	67.3	63.2	71.4	64.6	60.2	69.0
Southwest	647	67.1	62.0	72.2	65.3	59.8	70.8
St. Louis Metro	1,988	69.0	66.1	72.0	67.4	64.3	70.4
<b>GENDER</b>							
Female	4,176	72.2	70.1	74.3	70.5	68.2	72.8
Male	3,010	62.3	59.8	64.9	60.8	58.2	63.4
<b>RACE</b>							
African-American	656	77.9	73.1	82.7	78.3	73.4	83.2
Other	452	59.9	52.7	67.1	64.6	58.4	70.8
White	6,078	66.7	64.9	68.5	63.8	61.9	65.8
<b>EDUCATION</b>							
< High School	669	62.2	56.1	68.3	57.5	51.1	63.9
High School	2,365	68.4	65.5	71.2	65.1	61.7	68.6
High School +	4,128	68.1	66.0	70.2	67.5	65.4	69.6
<b>INCOME</b>							
<\$15,000	740	66.1	60.7	71.5	65.8	60.3	71.2
\$15,000-24,999	964	61.2	56.1	66.3	59.0	53.7	64.3
\$25,000-34,999	692	69.4	64.3	74.4	64.6	58.6	70.5
\$35,000-49,999	904	67.6	63.0	72.3	65.8	60.9	70.8
\$50,000-74,999	920	66.6	62.0	71.1	65.2	60.3	70.0
\$75,000+	1,546	71.2	68.0	74.3	71.0	67.7	74.3

Definition: “Within past year (anytime less than 12 months ago)” response to the question “About how long has it been since you last visited a doctor for a routine checkup? A routine checkup is a general physical exam, not an exam for a specific injury, illness or condition.”



# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 4 Health Care Access

**Table 4.5.2 Had routine checkup by doctor more than 1 year ago but less than 2 years**  
Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,186	11.7	10.6	12.8	12.1	10.8	13.3
<b>REGION</b>							
Central	671	11.3	8.0	14.7	11.1	7.8	14.4
Kansas City Metro	1,512	12.8	10.5	15.1	13.4	10.8	16.0
Northeast	608	9.6	6.0	13.1	10.4	6.4	14.5
Northwest	588	10.1	6.7	13.5	10.4	6.7	14.0
Southeast	1,172	10.0	7.6	12.4	10.2	7.6	12.9
Southwest	647	11.8	8.0	15.7	13.2	8.6	17.8
St. Louis Metro	1,988	12.0	10.1	14.0	12.1	10.1	14.1
<b>GENDER</b>							
Female	4,176	10.7	9.3	12.1	11.2	9.7	12.8
Male	3,010	12.8	11.0	14.6	12.9	11.0	14.9
<b>RACE</b>							
African-American	656	12.6	8.6	16.6	12.7	8.6	16.9
Other	452	12.2	7.8	16.5	11.4	7.4	15.4
White	6,078	11.5	10.3	12.8	12.2	10.8	13.6
<b>EDUCATION</b>							
< High School	669	10.2	6.2	14.3	11.3	6.4	16.1
High School	2,365	10.3	8.5	12.0	10.5	8.4	12.7
High School +	4,128	12.7	11.2	14.2	12.8	11.2	14.3
<b>INCOME</b>							
<\$15,000	740	7.5	4.8	10.2	7.4	4.8	10.0
\$15,000-24,999	964	12.1	8.8	15.3	12.7	9.1	16.4
\$25,000-34,999	692	9.4	6.7	12.2	10.0	6.8	13.1
\$35,000-49,999	904	12.5	8.8	16.3	12.9	8.7	17.0
\$50,000-74,999	920	12.0	8.8	15.1	11.9	8.7	15.2
\$75,000+	1,546	12.1	9.9	14.4	11.7	9.5	13.9

Definition: “Within past two years (1 year but less than 2 years ago)” response to the question “About how long has it been since you last visited a doctor for a routine checkup? A routine checkup is a general physical exam, not an exam for a specific injury, illness or condition.”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 4 Health Care Access

**Table 4.5.3 Had routine checkup more than 2 years ago but less than 5 years**  
Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,186	9.0	8.0	10.0	9.5	8.4	10.7
<b>REGION</b>							
Central	671	9.7	6.5	12.9	9.8	6.5	13.1
Kansas City Metro	1,512	9.4	7.3	11.6	9.9	7.6	12.2
Northeast	608	11.9	7.9	15.9	12.9	8.3	17.5
Northwest	588	9.9	5.4	14.4	10.9	5.8	16.1
Southeast	1,172	8.5	6.1	10.8	9.6	6.8	12.4
Southwest	647	9.6	6.3	12.9	10.2	6.6	13.8
St. Louis Metro	1,988	8.0	6.2	9.7	8.5	6.5	10.4
<b>GENDER</b>							
Female	4,176	7.5	6.2	8.8	8.0	6.5	9.4
Male	3,010	10.6	9.0	12.3	11.1	9.3	12.9
<b>RACE</b>							
African-American	656	5.8	3.2	8.4	5.6	3.1	8.2
Other	452	10.8	6.9	14.7	9.5	6.1	13.0
White	6,078	9.3	8.1	10.4	10.2	8.9	11.5
<b>EDUCATION</b>							
< High School	669	8.7	5.1	12.3	9.3	5.5	13.2
High School	2,365	8.8	7.0	10.6	9.7	7.5	11.8
High School +	4,128	9.2	7.8	10.5	9.5	8.1	10.9
<b>INCOME</b>							
<\$15,000	740	12.3	8.1	16.4	12.4	8.1	16.8
\$15,000-24,999	964	7.4	5.1	9.8	7.6	5.1	10.2
\$25,000-34,999	692	10.6	6.9	14.4	12.3	7.6	17.1
\$35,000-49,999	904	8.6	5.8	11.4	9.4	6.2	12.5
\$50,000-74,999	920	9.5	6.4	12.6	9.9	6.5	13.3
\$75,000+	1,546	8.6	6.6	10.6	9.2	6.9	11.5

Definition: “Within past 5 years (2 years but less than 5 years ago)” response to the question “About how long has it been since you last visited a doctor for a routine checkup? A routine checkup is a general physical exam, not an exam for a specific injury, illness or condition.”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 4 Health Care Access

**Table 4.5.4 Had routine checkup 5 or more years ago**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,186	10.6	9.5	11.8	11.4	10.1	12.7
<b>REGION</b>							
Central	671	10.9	7.5	14.2	11.4	7.5	15.2
Kansas City Metro	1,512	9.9	7.7	12.1	10.2	7.8	12.5
Northeast	608	13.0	8.6	17.5	14.4	9.7	19.1
Northwest	588	10.4	6.7	14.2	11.2	7.2	15.3
Southeast	1,172	12.8	9.3	16.2	14.1	10.4	17.7
Southwest	647	10.6	7.4	13.9	10.5	7.3	13.7
St. Louis Metro	1,988	10.2	8.0	12.4	11.3	8.8	13.7
<b>GENDER</b>							
Female	4,176	8.6	7.1	10.0	9.2	7.6	10.8
Male	3,010	12.9	11.0	14.7	13.6	11.6	15.7
<b>RACE</b>							
African-American	656	3.4	1.4	5.5	3.0	1.0	5.0
Other	452	16.1	9.3	22.9	13.4	8.4	18.3
White	6,078	11.1	9.9	12.4	12.3	10.8	13.7
<b>EDUCATION</b>							
< High School	669	17.0	11.6	22.4	19.5	13.5	25.5
High School	2,365	11.0	9.0	12.9	12.7	10.3	15.1
High School +	4,128	9.1	7.8	10.4	9.3	8.0	10.7
<b>INCOME</b>							
<\$15,000	740	12.7	8.6	16.8	13.1	8.5	17.6
\$15,000-24,999	964	17.4	12.8	22.1	18.4	13.7	23.2
\$25,000-34,999	692	8.5	5.4	11.7	9.7	5.6	13.8
\$35,000-49,999	904	10.5	7.6	13.4	11.3	8.1	14.5
\$50,000-74,999	920	11.0	8.0	14.0	12.1	8.5	15.7
\$75,000+	1,546	7.2	5.3	9.1	7.1	5.2	9.1

Definition: “5 or more years ago” response to the question “About how long has it been since you last visited a doctor for a routine checkup? A routine checkup is a general physical exam, not an exam for a specific injury, illness or condition.”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 4 Health Care Access

**Table 4.5.5 Never had a routine checkup by a doctor**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,186	1.3	0.9	1.6	1.4	0.9	1.8
<b>REGION</b>							
Central	671	2.5	0.4	4.7	3.4	0.5	6.3
Kansas City Metro	1,512	1.3	0.4	2.1	1.2	0.2	2.3
Northeast	608	2.7	0.4	5.1	3.5	0.3	6.6
Northwest	588	1.1	0.0	2.2	1.0	0.0	1.9
Southeast	1,172	1.5	0.5	2.4	1.6	0.6	2.6
Southwest	647	0.9	0.2	1.6	0.8	0.1	1.4
St. Louis Metro	1,988	0.8	0.3	1.2	0.8	0.3	1.3
<b>GENDER</b>							
Female	4,176	1.1	0.6	1.5	1.1	0.6	1.7
Male	3,010	1.4	0.8	2.1	1.6	0.8	2.4
<b>RACE</b>							
African-American	656	0.3	0.0	0.8	0.3	0.0	0.8
Other	452	1.1	0.0	2.3	1.1	0.0	2.5
White	6,078	1.4	0.9	1.9	1.6	1.0	2.1
<b>EDUCATION</b>							
< High School	669	1.9	0.5	3.4	2.4	0.4	4.5
High School	2,365	1.6	0.8	2.5	2.0	0.6	3.3
High School +	4,128	0.9	0.5	1.3	0.9	0.5	1.3
<b>INCOME</b>							
<\$15,000	740	1.4	0.4	2.4	1.4	0.5	2.3
\$15,000-24,999	964	1.9	0.3	3.5	2.2	0.1	4.4
\$25,000-34,999	692	2.1	0.2	3.9	3.5	0.4	6.6
\$35,000-49,999	904	0.7	0.1	1.4	0.6	0.1	1.2
\$50,000-74,999	920	1.0	0.1	1.9	1.0	0.0	2.1
\$75,000+	1,546	0.9	0.3	1.5	1.0	0.3	1.7

Definition: "Never" response to the question "About how long has it been since you last visited a doctor for a routine checkup? A routine checkup is a general physical exam, not an exam for a specific injury, illness or condition."

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Healthy Behaviors

### Chapter 5 Exercise and Physical Activity

**Table 5.1 No leisure time physical activity in past month**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,851	27.0	25.5	28.5	26.3	24.7	27.8
<b>REGION</b>							
Central	635	26.1	21.6	30.6	25.7	20.9	30.6
Kansas City Metro	1,437	25.5	22.5	28.5	24.9	21.8	28.1
Northeast	590	31.2	25.9	36.5	29.6	23.8	35.3
Northwest	561	31.0	25.3	36.7	30.8	24.8	36.7
Southeast	1,120	36.7	32.7	40.7	35.5	31.0	40.0
Southwest	633	26.3	21.9	30.7	24.6	20.1	29.2
St. Louis Metro	1,875	24.9	22.3	27.6	24.6	21.8	27.5
<b>GENDER</b>							
Female	3,995	27.2	25.2	29.1	26.0	23.9	28.1
Male	2,856	26.9	24.6	29.1	26.5	24.1	28.9
<b>RACE</b>							
African-American	592	34.7	29.3	40.1	33.8	28.5	39.1
Other	422	26.8	20.6	33.0	28.2	22.4	34.0
White	5,837	26.1	24.5	27.7	25.1	23.4	26.8
<b>EDUCATION</b>							
< High School	626	38.9	33.2	44.7	37.1	31.0	43.2
High School	2,215	34.4	31.6	37.3	33.2	29.8	36.5
High School +	3,985	20.7	19.0	22.4	20.4	18.7	22.2
<b>INCOME</b>							
<\$15,000	713	35.4	30.3	40.4	34.3	29.3	39.3
\$15,000-24,999	916	34.2	29.5	38.9	33.9	29.0	38.9
\$25,000-34,999	663	29.6	24.7	34.4	29.0	23.1	34.9
\$35,000-49,999	869	30.4	26.1	34.7	29.8	25.2	34.3
\$50,000-74,999	890	24.8	20.7	29.0	24.0	19.3	28.6
\$75,000+	1,484	17.9	15.2	20.6	17.6	14.9	20.4

Definition: “No” response to the question “During the past month, other than your regular job, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise?”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 5 Exercise and Physical Activity**

**Table 5.2.1 Used walking as the primary source of physical activity among those who participated in any physical activities or exercises in past month**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	4,782	52.2	50.1	54.2	51.9	49.8	54.0
<b>REGION</b>							
Central	451	50.8	44.6	57.0	52.3	45.9	58.6
Kansas City Metro	1,052	54.4	50.4	58.4	54.4	50.3	58.6
Northeast	397	56.9	50.1	63.8	58.6	52.1	65.1
Northwest	380	52.4	44.9	60.0	54.5	47.0	62.1
Southeast	671	54.1	48.6	59.6	53.5	47.8	59.3
Southwest	452	52.3	46.1	58.6	52.6	46.1	59.1
St. Louis Metro	1,379	50.4	46.8	53.9	48.9	45.2	52.5
<b>GENDER</b>							
Female	2,764	59.3	56.6	62.0	59.1	56.3	61.9
Male	2,018	44.6	41.6	47.6	44.6	41.5	47.7
<b>RACE</b>							
African-American	364	55.7	48.2	63.1	56.5	49.3	63.7
Other	298	46.7	38.0	55.4	51.6	43.8	59.4
White	4,120	52.3	50.1	54.4	51.6	49.3	53.9
<b>EDUCATION</b>							
< High School	327	60.3	51.9	68.6	61.1	52.5	69.7
High School	1,370	57.4	53.5	61.2	57.1	52.5	61.6
High School +	3,062	48.5	46.0	50.9	48.5	46.1	51.0
<b>INCOME</b>							
<\$15,000	417	57.2	49.7	64.6	57.4	50.6	64.2
\$15,000-24,999	561	56.1	49.5	62.8	57.0	50.6	63.4
\$25,000-34,999	440	51.8	45.3	58.4	51.0	43.3	58.6
\$35,000-49,999	595	55.8	50.0	61.6	55.5	49.5	61.6
\$50,000-74,999	649	47.6	42.4	52.9	47.2	41.9	52.5
\$75,000+	1,217	47.9	44.1	51.6	47.7	43.7	51.7

Definition: “Yes” response to the question “During the past month, other than your regular job, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise?” AND “Walking” response to “What type of physical activities or exercises did you spend the most time doing during the past month?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 5 Exercise and Physical Activity

**Table 5.2.2 Used aerobics or running as the primary source of physical activity among those who participated in any physical activities or exercises in past month**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	4,782	19.1	17.4	20.8	19.2	17.5	21.0
<b>REGION</b>							
Central	451	20.6	15.1	26.1	19.8	14.4	25.1
Kansas City Metro	1,052	18.0	14.9	21.0	18.2	15.0	21.3
Northeast	397	16.3	10.4	22.3	15.6	10.5	20.7
Northwest	380	22.1	14.9	29.3	19.0	13.8	24.1
Southeast	671	16.2	12.0	20.5	17.3	12.8	21.9
Southwest	452	17.7	12.6	22.7	17.6	12.3	22.9
St. Louis Metro	1,379	20.5	17.5	23.6	21.2	18.1	24.3
<b>GENDER</b>							
Female	2,764	15.1	13.0	17.3	15.2	13.0	17.4
Male	2,018	23.3	20.7	26.0	23.5	20.7	26.2
<b>RACE</b>							
African-American	364	24.3	17.6	31.0	23.4	16.7	30.1
Other	298	28.4	19.4	37.4	21.9	15.9	27.8
White	4,120	17.7	16.0	19.5	18.4	16.6	20.3
<b>EDUCATION</b>							
< High School	327	13.4	6.5	20.4	12.1	6.5	17.7
High School	1,370	16.1	13.0	19.2	17.8	13.9	21.7
High School +	3,062	21.4	19.3	23.6	21.3	19.2	23.3
<b>INCOME</b>							
<\$15,000	417	15.6	9.9	21.2	14.8	9.6	19.9
\$15,000-24,999	561	20.9	14.5	27.4	19.3	13.2	25.3
\$25,000-34,999	440	16.7	11.6	21.9	17.5	11.8	23.3
\$35,000-49,999	595	14.7	10.4	19.0	15.2	10.7	19.6
\$50,000-74,999	649	21.4	16.8	26.1	22.9	18.5	27.4
\$75,000+	1,217	22.1	18.9	25.2	22.6	19.3	26.0

Definition: “Yes” response to the question “During the past month, other than your regular job, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise?” AND “Aerobics or running” response to the question “What type of physical activities or exercises did you spend the most time doing during the past month?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 5 Exercise and Physical Activity

**Table 5.2.3 Used other type of activity as the primary source of physical activity among those who participated in any physical activities or exercises in past month**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	4,782	28.7	26.9	30.6	28.8	26.9	30.8
<b>REGION</b>							
Central	451	28.6	23.0	34.2	28.0	22.3	33.7
Kansas City Metro	1,052	27.7	24.0	31.4	27.4	23.6	31.2
Northeast	397	26.8	20.9	32.7	25.8	19.9	31.8
Northwest	380	25.5	18.8	32.2	26.5	19.4	33.7
Southeast	671	29.7	24.9	34.5	29.2	24.3	34.1
Southwest	452	30.0	24.4	35.7	29.8	23.9	35.7
St. Louis Metro	1,379	29.1	25.9	32.3	30.0	26.5	33.4
<b>GENDER</b>							
Female	2,764	25.6	23.2	27.9	25.7	23.3	28.1
Male	2,018	32.1	29.2	35.0	32.0	28.9	35.1
<b>RACE</b>							
African-American	364	20.0	13.8	26.3	20.1	13.9	26.3
Other	298	24.9	17.7	32.1	26.6	19.5	33.6
White	4,120	30.0	28.0	32.0	30.0	27.8	32.1
<b>EDUCATION</b>							
< High School	327	26.3	19.0	33.6	26.8	19.4	34.2
High School	1,370	26.6	23.3	29.8	25.1	21.5	28.8
High School +	3,062	30.1	27.8	32.4	30.2	27.9	32.5
<b>INCOME</b>							
<\$15,000	417	27.3	20.0	34.6	27.8	20.9	34.7
\$15,000-24,999	561	22.9	17.7	28.2	23.8	18.0	29.5
\$25,000-34,999	440	31.4	25.1	37.7	31.5	23.8	39.2
\$35,000-49,999	595	29.5	24.2	34.8	29.3	23.7	34.9
\$50,000-74,999	649	30.9	26.0	35.8	29.9	24.9	34.9
\$75,000+	1,217	30.1	26.7	33.5	29.7	26.2	33.2

Definition: “Yes” response to the question “During the past month, other than your regular job, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise?” AND “Other types of activities” response to “What type of physical activity or exercise did you spend the most time doing during the past month?”



# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 5 Exercise and Physical Activity

**Table 5.3 Participated in 150 minutes or more of aerobic physical activity per week among adults who participated in physical activity in past month**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,571	50.5	48.8	52.3	50.8	48.9	52.6
<b>REGION</b>							
Central	617	52.1	46.8	57.4	52.6	46.9	58.3
Kansas City Metro	1,370	48.3	44.8	51.8	48.6	44.8	52.3
Northeast	562	50.7	44.9	56.5	52.6	46.5	58.8
Northwest	536	49.0	42.7	55.3	48.1	41.7	54.5
Southeast	1,076	46.2	41.8	50.6	46.7	41.9	51.5
Southwest	611	54.6	49.3	59.9	55.4	49.6	61.2
St. Louis Metro	1,799	50.8	47.7	53.9	50.5	47.1	53.8
<b>GENDER</b>							
Female	3,816	50.4	48.1	52.7	51.0	48.5	53.5
Male	2,755	50.7	48.1	53.3	50.7	47.8	53.5
<b>RACE</b>							
African-American	565	39.9	34.0	45.7	40.9	35.1	46.8
Other	410	52.2	44.8	59.6	51.6	45.1	58.1
White	5,596	51.7	49.8	53.6	51.7	49.6	53.8
<b>EDUCATION</b>							
< High School	595	45.4	39.0	51.8	47.3	40.7	53.9
High School	2,121	46.5	43.4	49.6	47.0	43.3	50.8
High School +	3,842	53.6	51.4	55.8	53.5	51.2	55.8
<b>INCOME</b>							
<\$15,000	674	43.1	37.4	48.8	44.8	39.0	50.6
\$15,000-24,999	881	46.9	41.7	52.2	47.5	42.0	53.0
\$25,000-34,999	645	45.0	39.6	50.5	45.8	39.2	52.4
\$35,000-49,999	842	49.6	44.8	54.4	49.9	44.7	55.1
\$50,000-74,999	876	49.6	44.9	54.3	49.2	44.1	54.4
\$75,000+	1,448	57.5	54.0	60.9	56.9	53.2	60.6

Definition: Calculated from “Yes” response to the question “During the past month, other than your regular job, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise?” AND “What type of physical activity or exercise did you spend the most time doing during the past month?” AND “How many times per week or per month did you take part in this activity during the past month?” AND “And when you took part in this activity, for how many minutes or hours did you usually keep at it?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 5 Exercise and Physical Activity

**Table 5.4 Participated in muscle strengthening exercises twice or more per week among adults who participated in physical activities or exercises in past month**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,770	28.8	27.2	30.4	29.7	28.0	31.4
<b>REGION</b>							
Central	631	31.2	26.2	36.3	30.8	25.9	35.7
Kansas City Metro	1,412	29.4	26.2	32.6	30.0	26.5	33.5
Northeast	587	22.5	17.4	27.6	24.5	19.0	30.1
Northwest	555	25.0	19.5	30.6	24.2	18.9	29.4
Southeast	1,106	22.6	19.1	26.2	23.9	19.8	27.9
Southwest	629	27.2	22.4	32.0	29.6	24.0	35.1
St. Louis Metro	1,850	31.2	28.3	34.0	32.0	28.9	35.1
<b>GENDER</b>							
Female	3,953	25.3	23.3	27.3	26.3	24.1	28.6
Male	2,817	32.5	30.1	35.0	33.1	30.5	35.8
<b>RACE</b>							
African-American	585	35.2	29.4	41.1	36.2	30.3	42.1
Other	414	26.9	20.5	33.2	25.2	19.6	30.7
White	5,771	28.2	26.5	29.9	29.3	27.4	31.2
<b>EDUCATION</b>							
< High School	617	20.9	16.1	25.8	20.7	15.1	26.2
High School	2,186	22.6	19.9	25.4	24.9	21.4	28.5
High School +	3,943	33.8	31.7	35.9	34.0	31.8	36.1
<b>INCOME</b>							
<\$15,000	706	23.1	18.3	27.9	23.1	18.1	28.1
\$15,000-24,999	906	24.6	20.0	29.1	24.6	19.6	29.7
\$25,000-34,999	655	25.1	20.3	29.9	27.3	21.1	33.4
\$35,000-49,999	865	24.2	20.1	28.3	24.5	20.2	28.8
\$50,000-74,999	877	35.1	30.6	39.7	36.7	31.7	41.7
\$75,000+	1,472	37.2	33.9	40.6	38.7	35.2	42.3

Definition: Calculated from “Yes” response to the question “During the past month, other than your regular job, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise?” AND “During the past month, other than your regular job, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise? AND “During the past month, how many times per week or per month did you do physical activities or exercises to STRENGTHEN your muscles? Do NOT count aerobic activities like walking, running, or bicycling. Count activities using your own body weight like yoga, sit-ups or push-ups and those using weight machines, free weights, or elastic bands.”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 5 Exercise and Physical Activity

**Table 5.5 Participated in 150 minutes of aerobic exercises and 2 or more times per week of muscle strengthening exercises among adults who participated in physical activity**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,518	19.1	17.7	20.5	19.6	18.1	21.2
<b>REGION</b>							
Central	614	19.8	15.4	24.1	19.2	15.0	23.5
Kansas City Metro	1,360	18.6	15.8	21.4	19.1	16.0	22.1
Northeast	560	16.0	11.3	20.6	18.2	13.0	23.5
Northwest	532	18.4	13.3	23.6	17.7	13.0	22.5
Southeast	1,065	14.6	11.5	17.6	15.5	12.0	19.1
Southwest	607	21.0	16.5	25.5	23.0	17.7	28.4
St. Louis Metro	1,780	20.0	17.5	22.5	20.2	17.5	22.9
<b>GENDER</b>							
Female	3,790	17.2	15.4	19.0	17.8	15.8	19.8
Male	2,728	21.1	18.9	23.3	21.5	19.1	23.9
<b>RACE</b>							
African-American	561	21.2	16.0	26.4	22.5	17.1	27.9
Other	406	16.4	10.7	22.1	15.1	10.4	19.7
White	5,551	19.1	17.6	20.6	19.6	17.9	21.3
<b>EDUCATION</b>							
< High School	587	12.0	7.9	16.1	12.4	7.6	17.2
High School	2,102	15.9	13.4	18.4	17.7	14.3	21.0
High School +	3,817	22.2	20.4	24.1	22.2	20.3	24.1
<b>INCOME</b>							
<\$15,000	670	14.6	10.3	18.8	14.7	10.2	19.1
\$15,000-24,999	873	18.5	14.2	22.9	18.6	13.9	23.3
\$25,000-34,999	638	15.4	11.4	19.4	16.6	11.1	22.1
\$35,000-49,999	840	15.6	12.1	19.2	16.0	12.2	19.7
\$50,000-74,999	868	22.6	18.7	26.6	23.1	18.8	27.4
\$75,000+	1,443	24.0	21.0	26.9	24.3	21.2	27.4

Definition: Calculated from “Yes” response to the question “During the past month, other than your regular job, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise?” AND “What other type of physical activity gave you the next most exercise during the past month?” AND “How many times per week or per month did you take part in this activity during the past month?” AND “And when you took part in this activity, for how many minutes or hours did you usually keep at it?” AND “During the past month, how many times per week or per month did you do physical activities or exercises to STRENGTHEN your muscles? Do NOT count aerobic activities like walking, running, or bicycling. Count activities using your own body weight like yoga, sit-ups or push-ups and those using weight machines, free weights, or elastic bands.”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 6 Fruit and Vegetable Consumption

### Table 6.1 Ate fruit less than 2 times per day

Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,720	74.8	73.4	76.3	75.3	73.7	76.8
<b>REGION</b>							
Central	629	75.3	70.7	79.8	75.3	70.2	80.5
Kansas City Metro	1,410	75.4	72.5	78.3	76.2	73.3	79.2
Northeast	574	80.6	76.4	84.8	80.9	76.4	85.5
Northwest	548	81.8	77.9	85.7	81.6	77.3	85.8
Southeast	1,086	78.1	74.7	81.5	78.4	74.6	82.1
Southwest	623	79.1	74.9	83.3	79.1	74.6	83.7
St. Louis Metro	1,850	70.2	67.5	73.0	70.5	67.6	73.5
<b>GENDER</b>							
Female	3,916	69.1	67.0	71.3	69.7	67.3	72.0
Male	2,804	80.9	79.0	82.8	81.1	79.1	83.2
<b>RACE</b>							
African-American	576	71.1	66.0	76.2	72.0	66.9	77.1
Other	419	76.9	69.9	83.9	77.0	71.5	82.5
White	5,725	75.1	73.6	76.7	75.6	73.9	77.3
<b>EDUCATION</b>							
< High School	603	77.7	72.2	83.3	78.5	72.9	84.1
High School	2,164	78.7	76.3	81.2	80.0	77.2	82.9
High School +	3,930	72.2	70.3	74.1	72.3	70.4	74.3
<b>INCOME</b>							
<\$15,000	693	80.2	76.1	84.3	80.3	76.0	84.6
\$15,000-24,999	896	76.0	71.4	80.6	76.4	71.7	81.1
\$25,000-34,999	656	74.5	69.8	79.1	75.8	70.2	81.4
\$35,000-49,999	863	75.3	71.2	79.4	76.1	71.9	80.3
\$50,000-74,999	890	76.2	72.5	79.9	76.7	72.9	80.6
\$75,000+	1,478	71.5	68.5	74.6	71.7	68.4	74.9

Definition: Calculated from the responses to “During the past month, how many times per day, week or month did you drink 100% PURE fruit juices? Do not include fruit-flavored drinks with added sugar or fruit juice you made at home and added sugar to. Only include 100% juice AND “During the past month, not counting juice, how many times per day, week, or month did you eat fruit? Count fresh, frozen, or canned fruit.”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 6 Fruit and Vegetable Consumption**

**Table 6.2 Ate fruit 2 or more times per day**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,720	25.2	23.7	26.6	24.7	23.2	26.3
<b>REGION</b>							
Central	629	24.8	20.2	29.3	24.7	19.6	29.8
Kansas City Metro	1,410	24.6	21.8	27.5	23.8	20.8	26.8
Northeast	574	19.4	15.3	23.6	19.1	14.6	23.6
Northwest	548	18.2	14.3	22.2	18.4	14.2	22.7
Southeast	1,086	21.9	18.6	25.3	21.6	17.9	25.4
Southwest	623	20.9	16.7	25.1	20.9	16.3	25.4
St. Louis Metro	1,850	29.8	27.0	32.6	29.5	26.5	32.5
<b>GENDER</b>							
Female	3,916	30.9	28.7	33.0	30.4	28.0	32.7
Male	2,804	19.1	17.2	21.0	18.9	16.8	20.9
<b>RACE</b>							
African-American	576	28.9	23.8	34.0	28.0	22.9	33.1
Other	419	23.1	16.1	30.1	23.0	17.5	28.5
White	5,725	24.9	23.3	26.5	24.4	22.7	26.1
<b>EDUCATION</b>							
< High School	603	22.3	16.7	27.8	21.5	15.9	27.2
High School	2,164	21.3	18.8	23.8	20.0	17.1	22.8
High School +	3,930	27.9	26.0	29.8	27.7	25.7	29.6
<b>INCOME</b>							
<\$15,000	693	19.8	15.7	23.9	19.7	15.5	24.0
\$15,000-24,999	896	24.0	19.4	28.6	23.6	18.9	28.3
\$25,000-34,999	656	25.6	20.9	30.2	24.2	18.7	29.8
\$35,000-49,999	863	24.7	20.6	28.8	23.9	19.7	28.1
\$50,000-74,999	890	23.8	20.1	27.6	23.3	19.4	27.2
\$75,000+	1,478	28.5	25.4	31.5	28.3	25.1	31.6

Definition: Calculated from the responses to “During the past month, how many times per day, week or month did you drink 100% PURE fruit juices? Do not include fruit-flavored drinks with added sugar or fruit juice you made at home and added sugar to. Only include 100% juice AND “During the past month, not counting juice, how many times per day, week, or month did you eat fruit? Count fresh, frozen, or canned fruit.”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 6 Fruit and Vegetable Consumption

### Table 6.3 Ate vegetables less than 3 times per day

Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,576	85.8	84.6	87.0	85.6	84.4	86.9
<b>REGION</b>							
Central	608	84.6	80.7	88.6	83.5	78.9	88.0
Kansas City Metro	1,386	83.5	80.9	86.2	83.6	80.8	86.5
Northeast	562	87.0	83.4	90.5	87.0	83.1	90.8
Northwest	541	87.9	84.4	91.4	87.7	84.1	91.2
Southeast	1,056	86.0	83.1	88.9	85.7	82.5	89.0
Southwest	607	89.2	86.1	92.2	89.1	85.6	92.6
St. Louis Metro	1,816	85.5	83.5	87.6	85.5	83.3	87.7
<b>GENDER</b>							
Female	3,823	82.2	80.5	84.0	81.8	79.9	83.8
Male	2,753	89.6	88.1	91.1	89.7	88.1	91.3
<b>RACE</b>							
African-American	562	86.6	82.8	90.5	86.6	82.9	90.4
Other	412	88.0	84.1	91.9	86.9	82.9	90.9
White	5,602	85.5	84.2	86.8	85.2	83.7	86.6
<b>EDUCATION</b>							
< High School	580	89.8	86.6	93.0	89.9	86.4	93.4
High School	2,100	90.6	88.7	92.5	90.9	88.7	93.1
High School +	3,875	82.5	80.9	84.1	82.5	80.8	84.2
<b>INCOME</b>							
<\$15,000	677	89.7	86.5	92.9	89.6	86.3	92.9
\$15,000-24,999	886	87.1	83.9	90.3	87.4	84.1	90.8
\$25,000-34,999	646	87.9	84.7	91.1	87.7	84.1	91.4
\$35,000-49,999	856	86.9	83.4	90.4	85.8	81.8	89.8
\$50,000-74,999	873	83.1	79.7	86.4	82.6	78.9	86.2
\$75,000+	1,462	82.0	79.4	84.5	82.4	79.6	85.2

Definition: Calculated from the responses to “During the past month, how many times per day, week, or month did you eat cooked or canned beans, such as refried, baked, black, garbanzo beans, beans in soup, soybeans, edamame, tofu or lentils. Do NOT include long green beans.” AND “During the past month, how many times per day, week, or month did you eat dark green vegetables for example broccoli or dark leafy greens including romaine, chard, collard greens or spinach?” “AND During the past month, how many times per day, week, or month did you eat orange-colored vegetables such as sweet potatoes, pumpkin, winter squash, or carrots?” AND “Not counting what you just told me about, during the past month, about how many times per day, week, or month did you eat OTHER vegetables? Examples of other vegetables include tomatoes, tomato juice or V-8 juice, corn, eggplant, peas, lettuce, cabbage, and white potatoes that are not fried such as baked or mashed potatoes.”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 6 Fruit and Vegetable Consumption

### Table 6.4 Ate vegetables 3 or more times per day

Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,576	14.2	13.0	15.4	14.4	13.1	15.6
<b>REGION</b>							
Central	608	15.4	11.5	19.3	16.6	12.0	21.1
Kansas City Metro	1,386	16.5	13.8	19.1	16.4	13.5	19.2
Northeast	562	13.1	9.5	16.6	13.0	9.2	16.9
Northwest	541	12.1	8.6	15.6	12.4	8.8	15.9
Southeast	1,056	14.0	11.1	16.9	14.3	11.0	17.6
Southwest	607	10.9	7.8	13.9	10.9	7.5	14.4
St. Louis Metro	1,816	14.5	12.4	16.5	14.5	12.3	16.7
<b>GENDER</b>							
Female	3,823	17.8	16.0	19.5	18.2	16.3	20.1
Male	2,753	10.4	8.9	11.9	10.3	8.7	11.9
<b>RACE</b>							
African-American	562	13.4	9.5	17.2	13.4	9.6	17.2
Other	412	12.1	8.2	16.0	13.1	9.1	17.1
White	5,602	14.5	13.2	15.8	14.8	13.4	16.3
<b>EDUCATION</b>							
< High School	580	10.2	7.0	13.4	10.1	6.6	13.6
High School	2,100	9.4	7.6	11.3	9.1	6.9	11.3
High School +	3,875	17.5	15.9	19.2	17.5	15.8	19.2
<b>INCOME</b>							
<\$15,000	677	10.3	7.2	13.5	10.4	7.1	13.7
\$15,000-24,999	886	12.9	9.7	16.1	12.6	9.3	16.0
\$25,000-34,999	646	12.1	8.9	15.3	12.3	8.7	15.9
\$35,000-49,999	856	13.1	9.7	16.6	14.2	10.2	18.2
\$50,000-74,999	873	16.9	13.6	20.3	17.5	13.8	21.1
\$75,000+	1,462	18.0	15.5	20.6	17.6	14.8	20.4

Definition: Calculated from the responses to “During the past month, how many times per day, week, or month did you eat cooked or canned beans, such as refried, baked, black, garbanzo beans, beans in soup, soybeans, edamame, tofu or lentils. Do NOT include long green beans.” AND “During the past month, how many times per day, week, or month did you eat dark green vegetables for example broccoli or dark leafy greens including romaine, chard, collard greens or spinach?” “AND During the past month, how many times per day, week, or month did you eat orange-colored vegetables such as sweet potatoes, pumpkin, winter squash, or carrots?” AND “Not counting what you just told me about, during the past month, about how many times per day, week, or month did you eat OTHER vegetables? Examples of other vegetables include tomatoes, tomato juice or V-8 juice, corn, eggplant, peas, lettuce, cabbage, and white potatoes that are not fried such as baked or mashed potatoes.”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 6 Fruit and Vegetable Consumption

### Table 6.5 Ate fruits and vegetables 5 or more times per day

Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,832	13.2	12.0	14.3	13.2	11.9	14.4
<b>REGION</b>							
Central	634	13.8	10.0	17.6	13.8	9.7	18.0
Kansas City Metro	1,438	12.9	10.7	15.1	12.6	10.2	14.9
Northeast	583	12.5	9.0	16.1	12.8	8.8	16.8
Northwest	560	10.0	7.0	12.9	10.5	7.3	13.8
Southeast	1,110	10.9	8.4	13.5	11.0	8.2	13.8
Southwest	633	11.3	8.0	14.6	12.2	8.3	16.2
St. Louis Metro	1,874	14.9	12.8	17.0	15.0	12.7	17.3
<b>GENDER</b>							
Female	3,980	15.9	14.2	17.6	16.0	14.2	17.8
Male	2,852	10.2	8.7	11.8	10.2	8.6	11.8
<b>RACE</b>							
African-American	587	13.7	9.7	17.7	13.4	9.5	17.2
Other	425	12.6	7.8	17.3	12.6	8.5	16.8
White	5,820	13.1	11.9	14.4	13.2	11.8	14.6
<b>EDUCATION</b>							
< High School	624	9.7	6.2	13.1	10.0	6.0	13.9
High School	2,202	9.2	7.3	11.2	9.1	6.7	11.4
High School +	3,983	16.0	14.4	17.5	15.9	14.3	17.5
<b>INCOME</b>							
<\$15,000	706	10.8	7.7	13.8	10.8	7.6	14.1
\$15,000-24,999	918	11.2	8.0	14.3	11.2	7.8	14.6
\$25,000-34,999	663	10.3	7.3	13.3	10.1	6.7	13.4
\$35,000-49,999	875	13.8	10.3	17.4	14.1	10.2	18.1
\$50,000-74,999	897	13.8	10.9	16.8	13.8	10.6	16.9
\$75,000+	1,489	17.5	14.9	20.1	17.3	14.5	20.1

Definition: Calculated from the responses to “During the past month, how many times per day, week, or month did you eat cooked or canned beans, such as refried, baked, black, garbanzo beans, beans in soup, soybeans, edamame, tofu or lentils. Do NOT include long green beans.” AND “During the past month, how many times per day, week, or month did you eat dark green vegetables for example broccoli or dark leafy greens including romaine, chard, collard greens or spinach?” “AND During the past month, how many times per day, week, or month did you eat orange-colored vegetables such as sweet potatoes, pumpkin, winter squash, or carrots?” AND “Not counting what you just told me about, during the past month, about how many times per day, week, or month did you eat OTHER vegetables? Examples of other vegetables include tomatoes, tomato juice or V-8 juice, corn, eggplant, peas, lettuce, cabbage, and white potatoes that are not fried such as baked or mashed potatoes.”



# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 7 Tobacco Use

**Table 7.1.1 Has never smoked cigarettes**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,131	51.9	50.2	53.6	51.8	50.0	53.6
<b>REGION</b>							
Central	659	52.6	47.4	57.7	51.9	46.3	57.5
Kansas City Metro	1,509	54.2	50.8	57.5	54.5	50.9	58.0
Northeast	613	51.0	45.4	56.5	51.3	45.3	57.4
Northwest	589	54.4	48.5	60.3	52.2	46.7	57.7
Southeast	1,169	43.6	39.5	47.7	43.6	39.3	47.9
Southwest	649	47.6	42.4	52.8	47.7	42.2	53.3
St. Louis Metro	1,943	54.2	51.2	57.2	54.3	51.2	57.5
<b>GENDER</b>							
Female	4,146	56.7	54.4	58.9	56.5	54.1	58.9
Male	2,985	46.8	44.3	49.3	46.6	44.0	49.2
<b>RACE</b>							
African-American	628	57.3	51.7	62.8	56.5	50.8	62.2
Other	447	53.8	46.7	60.9	48.4	42.0	54.8
White	6,056	51.0	49.2	52.8	51.2	49.2	53.2
<b>EDUCATION</b>							
< High School	664	31.3	26.0	36.6	28.8	23.4	34.3
High School	2,341	46.6	43.6	49.5	44.9	41.4	48.5
High School +	4,099	59.1	57.0	61.2	59.3	57.1	61.4
<b>INCOME</b>							
<\$15,000	737	42.6	37.2	48.0	41.6	36.5	46.8
\$15,000-24,999	960	40.1	35.4	44.9	36.9	32.2	41.6
\$25,000-34,999	691	44.6	39.3	49.9	44.6	38.4	50.7
\$35,000-49,999	899	51.1	46.4	55.8	51.3	46.2	56.4
\$50,000-74,999	915	51.7	47.1	56.3	51.6	46.6	56.6
\$75,000+	1,530	63.2	59.9	66.4	63.9	60.6	67.1

Definition: "No" response to the question "Have you smoked at least 100 cigarettes in your entire life?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 7 Tobacco Use

### Table 7.1.2 Currently smokes cigarettes

Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,131	22.3	20.8	23.8	23.4	21.8	25.1
<b>REGION</b>							
Central	659	23.5	18.7	28.2	24.8	19.6	30.1
Kansas City Metro	1,509	20.2	17.3	23.1	20.6	17.5	23.6
Northeast	613	22.6	17.8	27.5	24.1	18.7	29.5
Northwest	589	21.5	16.2	26.7	24.0	18.4	29.5
Southeast	1,169	29.4	25.3	33.4	31.2	26.8	35.5
Southwest	649	26.9	22.2	31.7	28.2	23.1	33.4
St. Louis Metro	1,943	19.1	16.4	21.8	20.1	17.3	23.0
<b>GENDER</b>							
Female	4,146	21.0	19.0	23.0	22.1	20.0	24.3
Male	2,985	23.6	21.3	25.9	24.8	22.3	27.2
<b>RACE</b>							
African-American	628	26.1	20.8	31.4	26.7	21.2	32.1
Other	447	24.7	18.1	31.3	25.7	19.8	31.6
White	6,056	21.6	20.0	23.2	23.0	21.2	24.8
<b>EDUCATION</b>							
< High School	664	43.1	37.1	49.1	48.3	41.9	54.6
High School	2,341	26.2	23.5	28.9	30.0	26.7	33.4
High School +	4,099	15.6	14.0	17.2	15.9	14.2	17.6
<b>INCOME</b>							
<\$15,000	737	40.7	35.3	46.1	42.4	37.0	47.7
\$15,000-24,999	960	36.3	31.2	41.3	40.5	35.5	45.6
\$25,000-34,999	691	29.2	24.1	34.2	30.7	25.3	36.1
\$35,000-49,999	899	21.3	17.2	25.4	22.7	18.1	27.2
\$50,000-74,999	915	22.1	17.8	26.5	23.8	18.9	28.7
\$75,000+	1,530	8.9	6.9	10.8	8.4	6.3	10.4

Definition: "Yes" response to "Have you smoked at least 100 cigarettes in your entire life" AND "Every day" OR "Some days" responses to "Do you now smoke cigarettes every day, some days, or not at all?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 7 Tobacco Use

### Table 7.1.3 Formerly smoked cigarettes

Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,131	25.9	24.5	27.3	24.8	23.4	26.2
<b>REGION</b>							
Central	659	23.9	20.0	27.9	23.3	19.2	27.4
Kansas City Metro	1,509	25.6	22.8	28.4	25.0	22.1	27.8
Northeast	613	26.4	21.8	31.0	24.6	20.0	29.3
Northwest	589	24.1	19.7	28.5	23.8	19.4	28.3
Southeast	1,169	27.0	23.4	30.6	25.3	21.4	29.2
Southwest	649	25.5	21.1	29.9	24.0	19.4	28.7
St. Louis Metro	1,943	26.7	24.2	29.1	25.6	23.1	28.0
<b>GENDER</b>							
Female	4,146	22.3	20.6	24.1	21.4	19.5	23.2
Male	2,985	29.6	27.5	31.8	28.7	26.5	30.9
<b>RACE</b>							
African-American	628	16.7	13.1	20.2	16.9	13.4	20.3
Other	447	21.5	16.2	26.9	25.9	20.4	31.4
White	6,056	27.4	25.9	29.0	25.8	24.2	27.5
<b>EDUCATION</b>							
< High School	664	25.6	21.0	30.2	22.9	18.3	27.6
High School	2,341	27.3	24.7	29.8	25.1	22.2	27.9
High School +	4,099	25.3	23.5	27.1	24.8	23.0	26.6
<b>INCOME</b>							
<\$15,000	737	16.7	13.2	20.2	16.0	13.0	19.0
\$15,000-24,999	960	23.6	19.8	27.4	22.6	18.9	26.4
\$25,000-34,999	691	26.3	21.8	30.8	24.8	19.4	30.2
\$35,000-49,999	899	27.6	23.7	31.6	26.1	22.1	30.0
\$50,000-74,999	915	26.1	22.4	29.8	24.7	21.0	28.3
\$75,000+	1,530	28.0	25.0	31.0	27.7	24.9	30.6

Definition: "Yes" response to "Have you smoked at least 100 cigarettes in your entire life" AND "Not at all" response to "Do you now smoke cigarettes every day, some days, or not at all?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 7 Tobacco Use

**Table 7.2 Tried to quit smoking cigarettes during past 12 months**  
*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	1,342	58.3	54.4	62.2	58.1	54.2	62.1
<b>REGION</b>							
Central	118	54.2	42.3	66.2	53.0	41.3	64.6
Kansas City Metro	249	59.2	51.2	67.2	57.9	49.6	66.2
Northeast	113	51.3	38.6	63.9	48.0	36.9	59.0
Northwest	94	63.9	51.1	76.7	59.0	47.3	70.7
Southeast	303	54.5	45.8	63.3	54.9	46.2	63.5
Southwest	149	60.4	50.3	70.4	60.9	50.4	71.4
St. Louis Metro	316	59.9	51.9	67.9	59.7	51.9	67.4
<b>GENDER</b>							
Female	739	57.3	51.8	62.8	56.9	51.3	62.4
Male	603	59.2	53.6	64.8	59.0	53.7	64.3
<b>RACE</b>							
African-American	140	70.4	59.4	81.4	72.0	62.7	81.4
Other	110	49.7	33.7	65.7	48.5	34.8	62.2
White	1,092	57.3	53.0	61.5	57.1	52.7	61.4
<b>EDUCATION</b>							
< High School	214	59.0	48.9	69.0	58.6	49.3	67.9
High School	530	56.3	50.3	62.3	56.7	50.3	63.1
High School +	595	59.3	53.8	64.9	59.8	54.6	65.0
<b>INCOME</b>							
<\$15,000	264	65.4	57.4	73.3	61.2	52.1	70.3
\$15,000-24,999	273	54.3	44.8	63.7	55.6	46.7	64.5
\$25,000-34,999	161	66.6	57.2	76.0	68.2	58.8	77.6
\$35,000-49,999	163	59.8	49.2	70.4	60.1	50.7	69.6
\$50,000-74,999	148	58.2	46.5	69.8	59.3	49.3	69.3
\$75,000+	127	52.0	40.2	63.8	52.3	40.7	63.8

Definition: "Yes" response to "During the past 12 months, have you stopped smoking for one day or longer because you were trying to quit smoking?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 7 Tobacco Use

**Table 7.3 Currently uses smokeless tobacco**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,148	5.5	4.7	6.4	5.7	4.8	6.6
<b>REGION</b>							
Central	662	6.7	3.7	9.6	6.7	3.6	9.8
Kansas City Metro	1,511	5.3	3.8	6.9	5.2	3.6	6.8
Northeast	613	7.8	4.3	11.4	8.0	4.3	11.7
Northwest	587	5.9	3.3	8.4	5.7	3.4	8.1
Southeast	1,173	8.9	5.6	12.3	10.0	6.3	13.7
Southwest	652	8.0	5.0	11.1	8.3	5.0	11.7
St. Louis Metro	1,950	3.0	1.8	4.2	3.2	1.9	4.5
<b>GENDER</b>							
Female	4,155	1.0	0.4	1.6	1.0	0.4	1.5
Male	2,993	10.3	8.7	12.0	10.5	8.8	12.3
<b>RACE</b>							
African-American	629	1.9	0.0	4.0	1.8	0.0	3.6
Other	446	4.9	1.9	7.9	6.5	2.7	10.2
White	6,073	6.1	5.1	7.0	6.4	5.3	7.5
<b>EDUCATION</b>							
< High School	666	8.4	4.6	12.1	8.9	4.7	13.1
High School	2,340	6.5	4.9	8.1	6.8	4.9	8.7
High School +	4,115	4.4	3.4	5.4	4.4	3.4	5.4
<b>INCOME</b>							
<\$15,000	738	4.3	1.9	6.7	4.5	1.8	7.2
\$15,000-24,999	958	5.1	3.0	7.3	4.8	2.7	7.0
\$25,000-34,999	694	4.9	2.1	7.8	5.7	1.8	9.5
\$35,000-49,999	900	7.7	4.8	10.6	8.0	4.7	11.3
\$50,000-74,999	916	5.8	3.4	8.2	5.8	3.3	8.3
\$75,000+	1,535	6.2	4.4	7.9	6.0	4.3	7.8

Definition: "Every day" OR "Some days" response to "Do you now use chewing tobacco, snuff, or snus every day, some days, or not at all?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 8 Secondhand Smoke Exposure

### Table 8.1 Worked indoors most of the time

Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	2,413	80.0	77.7	82.3	79.4	77.0	81.7
<b>REGION</b>							
Central	208	80.0	72.6	87.3	78.9	71.5	86.3
Kansas City Metro	470	82.1	77.3	86.9	82.7	78.0	87.4
Northeast	223	68.2	59.5	76.9	67.3	59.0	75.6
Northwest	217	75.9	67.2	84.7	76.0	68.2	83.8
Southeast	363	76.1	70.2	81.9	76.5	70.5	82.6
Southwest	201	72.6	64.8	80.4	72.3	64.2	80.5
St. Louis Metro	731	84.6	81.1	88.2	83.5	79.5	87.4
<b>GENDER</b>							
Female	1,290	94.8	93.4	96.2	94.5	93.1	95.9
Male	1,123	67.0	63.2	70.8	66.0	62.1	69.9
<b>RACE</b>							
African-American	185	87.6	81.0	94.2	89.5	83.9	95.1
Other	140	79.9	71.0	88.7	73.1	63.6	82.6
White	2,088	79.1	76.6	81.6	78.6	76.1	81.2
<b>EDUCATION</b>							
< High School	100	70.1	58.5	81.7	72.5	62.5	82.4
High School	672	69.6	64.6	74.6	68.6	63.2	73.9
High School +	1,636	85.9	83.7	88.2	85.1	82.7	87.6
<b>INCOME</b>							
<\$15,000	67	93.4	88.1	98.6	92.3	86.4	98.1
\$15,000-24,999	213	79.7	71.5	87.9	79.2	71.6	86.7
\$25,000-34,999	220	81.6	74.4	88.8	77.5	69.5	85.5
\$35,000-49,999	344	76.6	70.5	82.8	76.9	70.8	83.0
\$50,000-74,999	425	75.0	68.9	81.1	74.4	67.5	81.3
\$75,000+	824	82.1	78.5	85.7	80.7	76.5	84.9

Definition: "Yes" response to the question: "While working at your job, are you indoors most of the time?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 8 Secondhand Smoke Exposure

**Table 8.2 Someone smoked in the work area in the past seven days**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	1,965	8.9	7.1	10.7	9.4	7.5	11.3
<b>REGION</b>							
Central	169	11.0	4.9	17.1	9.4	3.9	14.8
Kansas City Metro	385	7.5	4.2	10.8	8.3	4.8	11.8
Northeast	165	8.4	3.2	13.6	9.6	3.7	15.5
Northwest	174	5.7	1.9	9.6	7.0	2.3	11.8
Southeast	286	14.0	8.2	19.9	14.6	8.8	20.4
Southwest	148	3.9	0.0	8.1	3.8	0.2	7.3
St. Louis Metro	638	9.7	6.5	13.0	11.1	7.3	14.8
<b>GENDER</b>							
Female	1,207	6.8	4.6	9.0	7.2	5.0	9.4
Male	758	11.4	8.4	14.5	12.5	9.2	15.8
<b>RACE</b>							
African-American	160	9.0	2.4	15.6	8.5	3.5	13.6
Other	107	7.6	1.8	13.4	6.4	1.5	11.2
White	1,698	9.0	7.0	10.9	9.6	7.5	11.7
<b>EDUCATION</b>							
< High School	71	23.7	9.3	38.0	21.2	9.3	33.0
High School	484	12.2	8.2	16.2	13.2	8.7	17.6
High School +	1,406	6.2	4.6	7.9	7.3	5.4	9.3
<b>INCOME</b>							
<\$15,000	57	27.2	8.6	45.7	20.2	7.0	33.5
\$15,000-24,999	175	9.3	4.1	14.6	12.7	5.7	19.8
\$25,000-34,999	184	16.5	8.5	24.6	12.3	6.8	17.7
\$35,000-49,999	262	11.7	5.7	17.6	12.1	6.8	17.3
\$50,000-74,999	339	4.2	2.1	6.4	5.2	2.4	7.9
\$75,000+	690	6.3	3.7	8.9	8.8	4.7	12.9

Definition: “Yes” response to the two questions: “While working at your job, are you indoors most of the time?”, and “As far as you know, in the past seven days has anyone smoked in your work area?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 9 Electronic Cigarette Use

**Table 9.1 Ever tried using an e-cigarette**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,687	26.4	24.6	28.2	29.2	27.2	31.2
<b>REGION</b>							
Central	540	25.4	20.0	30.9	27.8	21.7	34.0
Kansas City Metro	1,064	21.4	17.9	25.0	24.8	20.5	29.1
Northeast	521	22.0	16.5	27.4	22.7	17.0	28.4
Northwest	480	23.5	17.3	29.8	24.8	17.8	31.8
Southeast	984	29.8	25.6	34.1	33.2	28.3	38.0
Southwest	514	29.3	23.6	34.9	30.8	24.8	36.9
St. Louis Metro	1,584	27.7	24.4	31.0	30.6	27.2	34.0
<b>GENDER</b>							
Female	3,333	25.4	22.9	27.8	28.4	25.7	31.2
Male	2,354	27.5	24.7	30.3	29.8	26.8	32.7
<b>RACE</b>							
African-American	492	19.1	13.9	24.3	19.9	14.2	25.6
Other	324	39.3	29.9	48.8	36.4	29.2	43.7
White	4,871	26.3	24.4	28.3	29.7	27.5	32.0
<b>EDUCATION</b>							
< High School	525	41.9	34.9	48.9	47.3	40.8	53.8
High School	1,872	28.0	24.8	31.1	32.1	28.6	35.6
High School +	3,270	22.1	19.9	24.2	23.8	21.4	26.1
<b>INCOME</b>							
<\$15,000	579	38.0	31.8	44.3	40.0	33.5	46.4
\$15,000-24,999	761	39.4	33.4	45.4	42.8	37.0	48.6
\$25,000-34,999	562	33.7	27.6	39.8	38.4	31.3	45.6
\$35,000-49,999	741	26.9	21.9	32.0	30.3	24.8	35.8
\$50,000-74,999	728	23.1	18.4	27.8	26.1	20.5	31.7
\$75,000+	1,192	15.3	12.3	18.3	17.2	13.8	20.6

Definition: "Yes" response to the question "Have you ever tried smoking an electronic, or E-cigarette, even just once?"



# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 9 Electronic Cigarette Use

**Table 9.2 Used e-cigarettes every day or some days (Current e-cigarette user)**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,686	6.3	5.3	7.2	6.9	5.7	8.0
<b>REGION</b>							
Central	540	6.5	3.1	10.0	7.3	3.2	11.4
Kansas City Metro	1,064	5.9	3.9	7.9	6.6	4.1	9.1
Northeast	521	6.4	3.0	9.8	6.8	3.1	10.6
Northwest	480	4.6	0.3	8.8	6.8	1.1	12.4
Southeast	984	11.0	7.7	14.3	12.3	8.5	16.2
Southwest	514	6.8	3.7	9.9	7.0	3.8	10.3
St. Louis Metro	1,583	5.0	3.6	6.3	5.3	3.8	6.8
<b>GENDER</b>							
Female	3,332	6.5	5.2	7.9	7.2	5.7	8.7
Male	2,354	5.9	4.5	7.3	6.4	4.8	8.1
<b>RACE</b>							
African-American	492	4.0	1.7	6.3	4.0	1.6	6.3
Other	323	7.0	3.4	10.6	6.6	3.2	9.9
White	4,871	6.5	5.4	7.6	7.3	5.9	8.6
<b>EDUCATION</b>							
< High School	525	8.9	5.2	12.5	10.0	5.9	14.0
High School	1,871	7.7	5.9	9.5	9.0	6.7	11.4
High School +	3,270	4.8	3.7	5.9	5.1	3.8	6.3
<b>INCOME</b>							
<\$15,000	579	8.4	5.0	11.8	8.4	4.5	12.4
\$15,000-24,999	761	9.7	6.5	13.0	10.9	7.1	14.7
\$25,000-34,999	562	10.2	6.5	14.0	11.9	7.3	16.5
\$35,000-49,999	741	6.6	4.0	9.3	6.7	3.9	9.6
\$50,000-74,999	728	6.4	3.6	9.1	7.3	3.7	10.9
\$75,000+	1,192	2.4	1.4	3.5	2.6	1.3	3.9

Definition: Among adults age 18 and older: “Every day or Some days” responses to the question “Do you currently use e-cigarettes every day, some days, or not at all?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 9 Electronic Cigarette Use

**Table 9.3.1 Used e-cigarettes to try to quit smoking regular cigarettes**  
*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	1,090	45.0	40.8	49.2	46.9	42.9	50.9
<b>REGION</b>							
Central	95	35.5	23.9	47.1	39.3	28.8	49.7
Kansas City Metro	174	45.3	35.6	54.9	48.1	39.4	56.9
Northeast	84	55.9	40.8	70.9	52.9	40.5	65.4
Northwest	81	40.8	25.7	55.9	42.5	29.0	56.0
Southeast	228	52.5	43.6	61.4	53.5	45.6	61.4
Southwest	115	40.7	29.1	52.4	41.5	30.7	52.3
St. Louis Metro	313	46.6	39.1	54.0	47.7	40.3	55.2
<b>GENDER</b>							
Female	618	51.1	45.3	57.0	52.7	47.4	58.1
Male	472	39.1	33.1	45.1	40.3	34.1	46.4
<b>RACE</b>							
African-American	84	46.6	31.5	61.8	45.7	33.1	58.4
Other	90	38.3	22.9	53.8	50.3	39.4	61.3
White	916	45.6	41.2	50.1	47.2	42.8	51.6
<b>EDUCATION</b>							
< High School	142	47.3	35.1	59.4	49.8	38.7	60.8
High School	397	47.3	40.4	54.2	49.3	42.5	56.0
High School +	547	42.2	36.7	47.7	43.8	38.6	49.1
<b>INCOME</b>							
<\$15,000	178	51.9	41.1	62.6	49.5	40.7	58.2
\$15,000-24,999	202	38.2	28.6	47.7	39.0	30.0	48.0
\$25,000-34,999	122	49.9	38.0	61.8	52.9	42.1	63.8
\$35,000-49,999	149	46.7	35.1	58.3	49.5	39.2	59.8
\$50,000-74,999	122	47.1	35.1	59.2	48.4	38.1	58.6
\$75,000+	138	39.4	28.8	50.0	46.7	35.0	58.5

Definition: "Trying to quit using regular tobacco products" response to the question "What [is] [was] the primary reason for using e-cigarettes? (Select one response only): 1) Trying to quit using regular tobacco products, 2) Use in places that do not allow smoking regular tobacco products, 3) To try a new way of smoking tobacco, 4) Costs less than other tobacco products, 5) Is better for my health, 6) Other"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 9 Electronic Cigarette Use

**Table 9.3.2 Used e-cigarettes to smoke in places that do not allow smoking tobacco products**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	1,090	5.2	3.4	7.0	5.6	3.7	7.5
<b>REGION</b>							
Central	95	7.7	0.0	15.7	8.0	0.3	15.7
Kansas City Metro	174	6.5	0.9	12.0	5.9	1.6	10.2
Northeast	84	6.5	0.0	16.3	4.2	0.0	9.2
Northwest	81	4.4	0.0	9.2	3.8	0.0	7.9
Southeast	228	5.5	1.8	9.2	5.2	1.8	8.7
Southwest	115	3.6	0.3	6.9	5.8	0.3	11.2
St. Louis Metro	313	4.6	1.7	7.4	5.1	2.1	8.2
<b>GENDER</b>							
Female	618	4.3	2.2	6.5	4.4	2.3	6.5
Male	472	6.0	3.1	9.0	6.9	3.6	10.3
<b>RACE</b>							
African-American	84	1.6	0.0	4.6	1.2	0.0	3.4
Other	90	3.8	0.0	7.8	3.4	0.3	6.4
White	916	5.7	3.5	7.8	6.2	3.9	8.5
<b>EDUCATION</b>							
< High School	142	3.3	0.0	7.5	3.1	0.0	6.2
High School	397	4.5	1.7	7.3	5.2	2.2	8.2
High School +	547	6.6	3.7	9.4	7.0	3.9	10.0
<b>INCOME</b>							
<\$15,000	178	0.8	0.0	2.0	0.6	0.0	1.5
\$15,000-24,999	202	6.6	1.4	11.7	7.2	1.9	12.4
\$25,000-34,999	122	10.3	2.6	17.9	9.8	3.7	15.9
\$35,000-49,999	149	7.6	2.7	12.6	7.1	2.6	11.6
\$50,000-74,999	122	3.5	0.0	7.4	3.5	0.0	7.4
\$75,000+	138	5.6	0.4	10.8	4.2	0.7	7.6

Definition: “Use in places that do not allow smoking regular tobacco products” response to the question “What [is] [was] the primary reason for using e-cigarettes? (Select one response only): 1) Trying to quit using regular tobacco products, 2) Use in places that do not allow smoking regular tobacco products, 3) To try a new way of smoking tobacco, 4) Costs less than other tobacco products, 5) Is better for my health, 6) Other”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 9 Electronic Cigarette Use

**Table 9.3.3 Used e-cigarettes to try a new way of smoking**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	1,090	24.5	20.6	28.4	22.4	18.9	25.8
<b>REGION</b>							
Central	95	29.6	16.9	42.3	27.7	16.3	39.0
Kansas City Metro	174	27.5	18.1	36.9	24.6	16.6	32.6
Northeast	84	16.5	4.3	28.7	19.5	7.7	31.2
Northwest	81	28.4	14.2	42.6	25.1	15.1	35.1
Southeast	228	14.7	8.6	20.9	14.5	8.4	20.7
Southwest	115	33.2	21.9	44.5	32.4	21.6	43.2
St. Louis Metro	313	21.8	15.0	28.5	18.7	13.4	24.0
<b>GENDER</b>							
Female	618	21.6	16.1	27.1	20.4	15.7	25.1
Male	472	27.4	21.8	32.9	24.0	18.9	29.1
<b>RACE</b>							
African-American	84	22.3	9.8	34.8	20.3	10.6	30.0
Other	90	37.3	18.3	56.4	26.9	15.7	38.1
White	916	23.2	19.4	27.1	21.7	18.1	25.3
<b>EDUCATION</b>							
< High School	142	26.8	14.8	38.8	24.9	15.0	34.8
High School	397	24.5	18.5	30.6	21.6	16.3	26.9
High School +	547	23.8	18.6	28.9	22.2	17.5	26.9
<b>INCOME</b>							
<\$15,000	178	22.5	13.0	32.0	21.7	12.4	31.0
\$15,000-24,999	202	28.5	17.4	39.5	26.5	17.6	35.4
\$25,000-34,999	122	19.7	10.2	29.3	18.8	9.4	28.1
\$35,000-49,999	149	25.9	15.0	36.8	23.5	14.1	32.9
\$50,000-74,999	122	29.5	18.2	40.7	27.0	18.4	35.7
\$75,000+	138	20.2	11.3	29.2	16.4	9.2	23.7

Definition: "To try a new way of smoking tobacco" response to the question "What [is] [was] the primary reason for using e-cigarettes? (Select one response only): 1) Trying to quit using regular tobacco products, 2) Use in places that do not allow smoking regular tobacco products, 3) To try a new way of smoking tobacco, 4) Costs less than other tobacco products, 5) Is better for my health, 6) Other"

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 9 Electronic Cigarette Use**

**Table 9.3.4 Used e-cigarettes because of costing less than other tobacco products**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	1,090	0.9	0.2	1.6	1.1	0.0	2.3
<b>REGION</b>							
Central	95	0.0	0.0	0.0	0.0	--	--
Kansas City Metro	174	0.6	0.0	1.4	0.6	0.0	1.4
Northeast	84	0.1	0.0	0.3	0.2	0.0	0.7
Northwest	81	0.4	0.0	1.1	0.6	0.0	2.0
Southeast	228	2.9	0.0	6.3	3.2	0.0	6.7
Southwest	115	0.0	0.0	0.0	0.0	--	--
St. Louis Metro	313	1.1	0.0	2.6	2.5	0.0	6.5
<b>GENDER</b>							
Female	618	0.3	0.0	0.7	0.3	0.0	0.6
Male	472	1.4	0.0	2.8	1.9	0.0	4.1
<b>RACE</b>							
African-American	84	0.0	0.0	0.0	0.0	--	--
Other	90	0.0	0.0	0.0	0.0	--	--
White	916	1.1	0.2	1.9	1.3	0.0	2.7
<b>EDUCATION</b>							
< High School	142	2.5	0.0	5.7	3.0	0.0	7.1
High School	397	0.1	0.0	0.3	0.1	0.0	0.3
High School +	547	0.7	0.0	1.5	0.6	0.1	1.2
<b>INCOME</b>							
<\$15,000	178	0.1	0.0	0.3	0.1	0.0	0.3
\$15,000-24,999	202	0.7	0.0	1.4	0.7	0.0	1.5
\$25,000-34,999	122	3.7	0.0	8.8	4.0	0.0	9.5
\$35,000-49,999	149	0.1	0.0	0.2	0.0	0.0	0.1
\$50,000-74,999	122	1.4	0.0	4.0	1.1	0.0	2.9
\$75,000+	138	0.8	0.0	1.8	0.6	0.0	1.6

Definition: “Costs less than other tobacco products” response to the question “What [is] [was] the primary reason for using e-cigarettes? (Select one response only): 1) Trying to quit using regular tobacco products, 2) Use in places that do not allow smoking regular tobacco products, 3) To try a new way of smoking tobacco, 4) Costs less than other tobacco products, 5) Is better for my health, 6) Other”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 9 Electronic Cigarette Use

**Table 9.3.5 Used e-cigarettes because it is better for my health**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	1,090	6.2	3.9	8.4	6.0	4.1	8.0
<b>REGION</b>							
Central	95	4.6	0.0	10.5	3.6	0.0	7.5
Kansas City Metro	174	5.5	2.0	9.0	5.7	1.9	9.5
Northeast	84	11.0	0.8	21.3	11.0	1.7	20.2
Northwest	81	3.2	0.2	6.1	4.8	0.2	9.4
Southeast	228	7.3	2.1	12.5	7.1	2.3	12.0
Southwest	115	10.7	1.2	20.1	7.8	2.6	13.0
St. Louis Metro	313	4.4	1.6	7.3	5.6	2.0	9.3
<b>GENDER</b>							
Female	618	5.2	2.3	8.0	4.9	2.5	7.4
Male	472	7.1	3.7	10.5	7.5	4.0	10.9
<b>RACE</b>							
African-American	84	2.5	0.0	6.9	1.9	0.0	5.1
Other	90	4.1	0.0	8.5	3.6	0.0	7.6
White	916	6.7	4.1	9.3	6.6	4.3	9.0
<b>EDUCATION</b>							
< High School	142	9.6	2.1	17.0	8.8	2.8	14.8
High School	397	4.7	2.3	7.2	5.0	2.5	7.4
High School +	547	5.8	2.7	8.9	5.9	3.1	8.6
<b>INCOME</b>							
<\$15,000	178	4.1	0.9	7.3	4.3	0.8	7.8
\$15,000-24,999	202	5.2	0.0	10.8	4.6	0.8	8.5
\$25,000-34,999	122	5.3	0.0	10.7	5.6	0.9	10.2
\$35,000-49,999	149	5.4	1.0	9.9	5.2	0.9	9.4
\$50,000-74,999	122	8.2	0.4	16.0	9.5	2.2	16.7
\$75,000+	138	3.9	0.4	7.5	7.7	0.0	16.0

Definition: “Is better for my health” response to the question “What [is] [was] the primary reason for using e-cigarettes? (Select one response only): 1) Trying to quit using regular tobacco products, 2) Use in places that do not allow smoking regular tobacco products, 3) To try a new way of smoking tobacco, 4) Costs less than other tobacco products, 5) Is better for my health, 6) Other”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 9 Electronic Cigarette Use

**Table 9.3.6 Used e-cigarettes for other reasons**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	1,090	18.3	15.0	21.5	18.0	14.8	21.2
<b>REGION</b>							
Central	95	22.6	11.4	33.8	21.5	11.4	31.7
Kansas City Metro	174	14.6	8.4	20.9	15.1	8.7	21.5
Northeast	84	10.1	3.0	17.1	12.2	4.2	20.2
Northwest	81	22.8	7.3	38.3	23.1	10.8	35.5
Southeast	228	17.1	11.1	23.2	16.4	10.9	22.0
Southwest	115	11.8	5.3	18.3	12.6	6.2	18.9
St. Louis Metro	313	21.6	15.2	27.9	20.3	14.0	26.6
<b>GENDER</b>							
Female	618	17.5	13.3	21.7	17.2	13.3	21.1
Male	472	19.0	13.9	24.2	19.5	14.0	25.0
<b>RACE</b>							
African-American	84	27.0	10.5	43.6	30.9	17.9	44.0
Other	90	16.4	3.9	28.9	15.8	7.6	24.0
White	916	17.7	14.4	21.1	17.1	13.8	20.3
<b>EDUCATION</b>							
< High School	142	10.6	2.0	19.1	10.5	3.4	17.6
High School	397	18.8	13.6	24.1	18.9	13.2	24.6
High School +	547	21.0	16.2	25.8	20.5	16.0	25.1
<b>INCOME</b>							
<\$15,000	178	20.7	12.1	29.3	23.9	15.4	32.4
\$15,000-24,999	202	20.9	11.3	30.6	22.0	13.4	30.5
\$25,000-34,999	122	11.1	4.2	17.9	9.0	4.1	13.9
\$35,000-49,999	149	14.3	6.5	22.1	14.7	7.8	21.7
\$50,000-74,999	122	10.3	3.1	17.4	10.6	3.8	17.3
\$75,000+	138	30.1	20.5	39.6	24.3	16.3	32.3

Definition: "Other" response to the question "What [is] [was] the primary reason for using e-cigarettes? (Select one response only): 1) Trying to quit using regular tobacco products, 2) Use in places that do not allow smoking regular tobacco products, 3) To try a new way of smoking tobacco, 4) Costs less than other tobacco products, 5) Is better for my health, 6) Other"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 10 Support for Smoke-free Laws

**Table 10.1 Would support a local law that would make all indoor workplaces smoke-free by prohibiting smoking**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,398	75.1	73.3	76.9	74.8	72.7	76.8
<b>REGION</b>							
Central	512	75.1	69.6	80.6	74.1	67.8	80.3
Kansas City Metro	1,011	79.0	75.7	82.3	79.8	76.2	83.4
Northeast	489	76.2	71.1	81.3	75.9	70.3	81.4
Northwest	453	73.8	68.0	79.6	74.1	67.8	80.3
Southeast	930	67.6	63.3	71.9	67.4	62.5	72.3
Southwest	492	71.4	65.6	77.1	70.2	63.9	76.4
St. Louis Metro	1,511	77.0	73.8	80.1	76.3	72.8	79.8
<b>GENDER</b>							
Female	3,156	82.4	80.3	84.5	82.8	80.4	85.1
Male	2,242	67.4	64.5	70.3	66.5	63.3	69.7
<b>RACE</b>							
African-American	465	79.5	74.3	84.7	79.7	74.3	85.2
Other	312	73.0	63.9	82.1	72.3	64.2	80.4
White	4,621	74.8	72.9	76.7	74.1	71.9	76.4
<b>EDUCATION</b>							
< High School	489	64.7	57.8	71.6	64.9	57.0	72.7
High School	1,779	70.4	67.2	73.6	69.3	65.3	73.3
High School +	3,115	79.9	77.8	82.0	79.5	77.1	81.8
<b>INCOME</b>							
<\$15,000	546	65.2	59.0	71.4	65.4	58.5	72.2
\$15,000-24,999	717	65.3	59.0	71.5	64.0	57.4	70.6
\$25,000-34,999	523	74.6	69.2	80.0	74.7	68.8	80.6
\$35,000-49,999	707	74.6	70.0	79.2	74.5	69.1	79.8
\$50,000-74,999	705	74.6	69.7	79.5	73.5	67.8	79.2
\$75,000+	1,153	84.7	81.7	87.7	84.5	81.3	87.8

Definition: “Yes” response to “Some cities and towns are considering laws that would make workplaces smoke-free by prohibiting smoking in all indoor workplaces, including restaurants, bars and casinos. Would you support such a law in your community?”



# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 10 Support for Smoke-free Laws

**Table 10.2 Would support a change in Missouri law that would make all indoor workplaces smoke-free by prohibiting smoking**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,397	68.3	66.4	70.1	68.2	66.1	70.3
<b>REGION</b>							
Central	509	68.6	63.0	74.2	67.9	61.5	74.3
Kansas City Metro	1,024	71.7	68.1	75.3	73.5	69.6	77.3
Northeast	485	69.9	64.5	75.3	70.3	64.6	75.9
Northwest	453	66.0	59.7	72.3	66.3	59.7	72.8
Southeast	944	59.4	54.9	63.9	59.4	54.4	64.5
Southwest	485	62.3	56.2	68.4	61.9	55.1	68.8
St. Louis Metro	1,497	71.5	68.2	74.8	70.7	67.1	74.3
<b>GENDER</b>							
Female	3,139	75.3	72.9	77.6	75.5	72.8	78.1
Male	2,258	60.9	58.0	63.8	60.7	57.5	64.0
<b>RACE</b>							
African-American	466	73.8	68.1	79.4	73.9	67.9	79.8
Other	308	65.6	56.2	75.1	64.9	56.6	73.1
White	4,623	67.8	65.8	69.8	67.8	65.5	70.1
<b>EDUCATION</b>							
< High School	492	60.2	53.2	67.2	60.1	52.2	68.1
High School	1,759	60.1	56.6	63.5	58.9	54.6	63.1
High School +	3,130	74.5	72.3	76.6	74.5	72.1	76.8
<b>INCOME</b>							
<\$15,000	544	60.5	54.2	66.8	60.9	54.7	67.2
\$15,000-24,999	726	62.0	55.9	68.1	60.9	54.3	67.5
\$25,000-34,999	530	65.2	59.3	71.2	65.1	58.3	71.9
\$35,000-49,999	707	63.8	58.6	68.9	64.3	58.8	69.8
\$50,000-74,999	699	67.1	61.9	72.3	66.9	60.9	73.0
\$75,000+	1,164	80.1	77.0	83.3	80.2	76.8	83.7

Definition: “Yes” response to “Missouri state law allows designated smoking areas in restaurants and other public places. Would you support a change in the state law that would make all workplaces smoke-free by prohibiting smoking in all indoor workplaces, including restaurants, bars and casinos?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 11 Alcohol Consumption

**Table 11.1 Had at least one drink of alcohol in past 30 days**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,073	51.3	49.6	52.9	52.8	51.1	54.6
<b>REGION</b>							
Central	660	53.1	48.0	58.2	54.5	49.1	59.9
Kansas City Metro	1,492	54.2	50.9	57.5	55.7	52.3	59.2
Northeast	605	39.9	34.3	45.5	41.7	35.6	47.8
Northwest	584	46.3	40.2	52.3	48.7	42.7	54.7
Southeast	1,162	32.9	28.9	36.9	33.4	29.0	37.8
Southwest	646	45.7	40.5	50.9	47.9	42.3	53.5
St. Louis Metro	1,924	58.3	55.4	61.3	59.5	56.4	62.7
<b>GENDER</b>							
Female	4,116	44.7	42.4	47.0	46.7	44.3	49.2
Male	2,957	58.2	55.7	60.7	59.3	56.7	61.9
<b>RACE</b>							
African-American	618	42.4	36.7	48.0	43.1	37.3	48.9
Other	437	55.1	48.1	62.1	51.3	44.9	57.6
White	6,018	52.1	50.3	53.9	54.1	52.2	56.1
<b>EDUCATION</b>							
< High School	661	35.2	29.2	41.2	38.9	32.3	45.5
High School	2,308	41.2	38.2	44.2	44.4	40.7	48.0
High School +	4,078	60.5	58.4	62.5	60.8	58.7	62.9
<b>INCOME</b>							
<\$15,000	732	36.4	30.9	41.9	37.5	31.9	43.1
\$15,000-24,999	952	40.0	34.9	45.1	42.7	37.4	47.9
\$25,000-34,999	688	46.9	41.5	52.2	49.7	43.5	55.9
\$35,000-49,999	896	50.2	45.5	54.9	51.2	46.0	56.3
\$50,000-74,999	911	58.6	54.1	63.0	58.9	54.0	63.8
\$75,000+	1,525	67.6	64.4	70.8	67.6	64.2	71.1

Definition: "At least one drink," calculated from the responses to the questions "During the past 30 days, how many days per week or per month did you have at least one drink of any alcoholic beverage such as beer, wine, a malt beverage or liquor?" AND "One drink is equivalent to a 12-ounce beer, a 5-ounce glass of wine, or a drink with one shot of liquor. During the past 30 days, on the days when you drank, about how many drinks did you drink on the average?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 11 Alcohol Consumption

**Table 11.2.1 Women who had more than 1 drink per day in past 30 days (heavy drinking)**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	4,085	4.4	3.5	5.4	4.6	3.6	5.6
<b>REGION</b>							
Central	363	5.6	2.5	8.7	6.0	2.7	9.4
Kansas City Metro	855	6.1	3.6	8.7	6.0	3.5	8.4
Northeast	356	3.8	0.2	7.4	3.5	0.1	6.9
Northwest	360	3.9	0.6	7.2	4.2	0.7	7.7
Southeast	680	2.2	0.6	3.8	2.3	0.5	4.1
Southwest	347	2.0	0.0	4.2	1.9	0.0	3.9
St. Louis Metro	1,124	4.9	3.3	6.4	4.9	3.2	6.6
<b>GENDER</b>							
Female	4,085	4.4	3.5	5.4	4.6	3.6	5.6
Male	0				0.0		
<b>RACE</b>							
African-American	387	4.0	0.3	7.7	4.0	0.3	7.6
Other	223	7.5	1.8	13.2	6.6	2.3	10.9
White	3,475	4.2	3.3	5.1	4.4	3.4	5.4
<b>EDUCATION</b>							
< High School	390	2.8	0.4	5.1	2.8	0.3	5.3
High School	1,343	3.7	1.8	5.5	4.1	1.8	6.4
High School +	2,333	5.2	4.0	6.4	5.2	4.0	6.5
<b>INCOME</b>							
<\$15,000	487	3.9	1.5	6.4	4.1	1.6	6.6
\$15,000-24,999	606	5.4	2.1	8.7	5.6	2.4	8.8
\$25,000-34,999	400	6.2	2.2	10.2	6.9	2.2	11.7
\$35,000-49,999	486	3.2	0.9	5.4	3.1	0.8	5.3
\$50,000-74,999	452	4.4	2.0	6.8	3.6	1.8	5.5
\$75,000+	730	6.1	4.1	8.1	5.4	3.5	7.4

Definition: Among all female respondents: “More than 1 drink per day” response to the questions “During the past 30 days, how many days per week or per month did you have at least one drink of any alcoholic beverage such as beer, wine, a malt beverage or liquor?” AND “During the past 30 days, on the days when you drank, about how many drinks did you drink on the average?”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 11 Alcohol Consumption**

**Table 11.2.2 Men who had more than 2 drinks per day in past 30 days (heavy drinking)**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	2,916	8.0	6.5	9.6	8.5	6.7	10.3
<b>REGION</b>							
Central	291	9.6	4.6	14.6	11.0	5.1	16.8
Kansas City Metro	620	8.9	5.5	12.3	8.9	5.4	12.4
Northeast	244	6.4	1.5	11.4	5.8	1.6	10.1
Northwest	220	10.2	3.2	17.2	13.7	5.0	22.3
Southeast	469	5.4	2.7	8.1	5.3	2.2	8.5
Southwest	294	3.9	0.5	7.3	4.2	0.1	8.3
St. Louis Metro	778	9.5	6.4	12.6	9.9	6.6	13.2
<b>GENDER</b>							
Female	0						
Male	2,916	8.0	6.5	9.6	8.5	6.7	10.3
<b>RACE</b>							
African-American	222	4.9	0.0	10.0	5.2	0.0	10.7
Other	209	8.3	3.1	13.4	9.1	3.7	14.5
White	2,485	8.4	6.6	10.1	9.1	7.1	11.2
<b>EDUCATION</b>							
< High School	259	12.3	5.5	19.1	13.8	6.1	21.4
High School	941	8.3	5.5	11.0	9.2	5.7	12.7
High School +	1,710	7.0	5.2	8.8	7.3	5.3	9.2
<b>INCOME</b>							
<\$15,000	235	8.6	1.6	15.7	11.3	1.0	21.5
\$15,000-24,999	339	9.7	3.6	15.7	10.6	3.9	17.2
\$25,000-34,999	282	4.9	0.8	9.0	4.3	0.9	7.7
\$35,000-49,999	401	8.2	4.8	11.5	9.0	4.8	13.1
\$50,000-74,999	455	9.8	5.6	13.9	10.9	5.9	16.0
\$75,000+	783	8.8	5.8	11.8	9.4	6.2	12.6

Definition: Among all male respondents: “More than 2 drinks per day” response to the questions “During the past 30 days, how many days per week or per month did you have at least one drink of any alcoholic beverage such as beer, wine, a malt beverage or liquor?” AND “During the past 30 days, on the days when you drank, about how many drinks did you drink on the average?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 11 Alcohol Consumption

**Table 11.3.1 Men who drank 5 or more drinks on 1 or more occasions in past 30 days (binge drinking)**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	2,921	22.0	19.8	24.2	22.8	20.4	25.2
<b>REGION</b>							
Central	291	26.4	18.8	34.0	27.4	19.6	35.1
Kansas City Metro	620	25.6	20.8	30.3	25.9	20.9	30.8
Northeast	243	20.1	12.6	27.7	20.7	13.0	28.4
Northwest	219	23.8	15.5	32.2	29.1	20.0	38.2
Southeast	473	15.2	10.6	19.8	15.7	10.2	21.3
Southwest	296	11.4	6.7	16.1	11.5	6.3	16.8
St. Louis Metro	779	25.1	20.9	29.3	25.4	21.1	29.6
<b>GENDER</b>							
Female	0						
Male	2,921	22.0	19.8	24.2	22.8	20.4	25.2
<b>RACE</b>							
African-American	223	13.4	6.8	20.1	13.0	6.3	19.7
Other	207	19.0	11.1	26.9	19.4	11.6	27.2
White	2,491	23.3	20.9	25.7	24.7	22.0	27.4
<b>EDUCATION</b>							
< High School	260	17.2	9.8	24.6	19.6	11.2	28.1
High School	940	19.5	15.8	23.3	21.1	16.7	25.5
High School +	1,714	24.6	21.6	27.5	24.5	21.6	27.5
<b>INCOME</b>							
<\$15,000	236	18.5	9.8	27.2	20.8	9.9	31.7
\$15,000-24,999	340	22.0	14.8	29.1	23.9	16.2	31.7
\$25,000-34,999	281	18.1	11.2	24.9	18.0	9.8	26.1
\$35,000-49,999	403	20.9	15.3	26.5	22.0	15.7	28.2
\$50,000-74,999	454	26.3	20.6	32.0	27.0	20.6	33.5
\$75,000+	784	26.6	22.3	30.9	28.2	23.7	32.6

Definition: Among all male respondents: “1 or more times” response to the question “Considering all types of alcoholic beverages, how many times during the past 30 days did you have 5 or more drinks on an occasion?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 11 Alcohol Consumption

**Table 11.3.2 Women who drank 4 or more drinks on 1 or more occasions in past 30 days (binge drinking)**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	4,090	11.6	10.0	13.3	12.7	10.9	14.5
<b>REGION</b>							
Central	362	12.2	7.2	17.3	12.4	7.3	17.4
Kansas City Metro	859	14.4	11.0	17.8	15.2	11.5	18.9
Northeast	357	8.8	4.0	13.6	8.7	4.2	13.3
Northwest	358	12.4	6.9	17.9	13.1	7.4	18.8
Southeast	679	6.9	3.9	9.8	7.7	4.4	11.1
Southwest	347	8.2	4.1	12.2	8.7	4.5	12.9
St. Louis Metro	1,128	12.9	9.6	16.1	14.6	11.1	18.1
<b>GENDER</b>							
Female	4,090	11.6	10.0	13.3	12.7	10.9	14.5
Male	0						
<b>RACE</b>							
African-American	387	8.3	4.3	12.3	8.9	4.7	13.1
Other	223	20.4	9.1	31.8	13.9	7.5	20.2
White	3,480	11.3	9.7	13.0	12.9	11.0	14.8
<b>EDUCATION</b>							
< High School	392	9.8	2.8	16.8	10.6	4.2	17.0
High School	1,344	7.7	5.3	10.1	9.2	6.1	12.3
High School +	2,335	14.2	12.0	16.3	14.7	12.5	16.9
<b>INCOME</b>							
<\$15,000	491	11.8	6.8	16.8	11.6	6.9	16.3
\$15,000-24,999	607	14.3	8.1	20.5	14.8	9.2	20.3
\$25,000-34,999	398	9.0	4.8	13.2	10.6	5.5	15.7
\$35,000-49,999	487	10.3	6.1	14.4	10.6	6.5	14.7
\$50,000-74,999	452	14.0	9.3	18.7	14.6	9.2	19.9
\$75,000+	732	15.2	11.8	18.7	14.1	10.8	17.5

Definition: Among all female respondents: “1 or more times” response to “Considering all types of alcoholic beverages, how many times during the past 30 days did you have 4 or more drinks on an occasion?”

Definition: “1 or greater” to the question, “During the past 30 days, how many times have you driven when you’ve had perhaps too much to drink?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 12 Seatbelt Use

**Table 12.1 Always uses a seatbelt when driving or riding in a vehicle**  
*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,767	79.8	78.3	81.3	78.9	77.3	80.6
<b>REGION</b>							
Central	631	78.4	73.7	83.0	77.3	72.2	82.5
Kansas City Metro	1,419	84.2	81.5	87.0	83.3	80.2	86.3
Northeast	587	67.4	61.8	72.9	65.6	59.5	71.7
Northwest	551	69.6	63.5	75.6	68.5	62.2	74.8
Southeast	1,101	72.8	68.9	76.6	72.3	68.0	76.6
Southwest	626	76.4	71.6	81.1	74.8	69.4	80.2
St. Louis Metro	1,852	83.8	81.2	86.3	83.1	80.3	85.9
<b>GENDER</b>							
Female	3,954	85.3	83.6	87.1	84.6	82.7	86.6
Male	2,813	73.8	71.4	76.2	72.8	70.2	75.4
<b>RACE</b>							
African-American	582	79.7	74.8	84.6	78.9	73.6	84.1
Other	416	73.3	65.4	81.2	76.6	70.4	82.8
White	5,769	80.3	78.8	81.9	79.4	77.6	81.2
<b>EDUCATION</b>							
< High School	613	65.0	58.7	71.3	61.1	54.2	67.9
High School	2,192	77.0	74.4	79.7	74.4	71.0	77.8
High School +	3,938	84.3	82.7	86.0	84.0	82.2	85.7
<b>INCOME</b>							
<\$15,000	696	72.0	66.7	77.3	70.9	65.2	76.6
\$15,000-24,999	902	67.9	62.6	73.3	66.7	61.2	72.2
\$25,000-34,999	658	79.5	75.1	84.0	77.2	71.1	83.2
\$35,000-49,999	862	82.1	78.6	85.5	81.9	78.0	85.7
\$50,000-74,999	882	81.0	77.1	84.8	80.3	76.0	84.5
\$75,000+	1,469	86.9	84.4	89.3	86.4	83.8	88.9

Definition: "Always" response to "How often do you use seatbelts when you drive or ride in a car? Would you say Always, Nearly Always, Sometimes, Seldom, Never, or Never drive or ride in a car?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 12 Seatbelt Use

**Table 12.2 Nearly always uses a seatbelt when driving or riding in a vehicle**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,767	10.6	9.5	11.8	11.0	9.7	12.3
<b>REGION</b>							
Central	631	12.8	8.8	16.8	13.7	9.1	18.3
Kansas City Metro	1,419	9.8	7.5	12.2	10.6	7.9	13.2
Northeast	587	18.8	14.0	23.5	19.4	14.2	24.6
Northwest	551	15.1	10.5	19.7	16.1	11.1	21.1
Southeast	1,101	12.6	9.8	15.4	12.2	9.1	15.4
Southwest	626	12.1	8.5	15.8	12.5	8.4	16.5
St. Louis Metro	1,852	7.7	5.8	9.6	7.8	5.8	9.8
<b>GENDER</b>							
Female	3,954	7.6	6.2	9.0	7.9	6.4	9.4
Male	2,813	13.9	12.0	15.8	14.3	12.2	16.4
<b>RACE</b>							
African-American	582	7.5	4.7	10.4	7.3	4.4	10.2
Other	416	14.6	7.4	21.8	12.6	6.9	18.2
White	5,769	10.7	9.5	11.9	11.2	9.8	12.5
<b>EDUCATION</b>							
< High School	613	13.2	8.3	18.2	14.4	8.8	19.9
High School	2,192	12.0	9.9	14.0	13.4	10.6	16.2
High School +	3,938	9.3	8.0	10.7	9.6	8.1	11.0
<b>INCOME</b>							
<\$15,000	696	11.7	7.9	15.5	11.5	7.9	15.2
\$15,000-24,999	902	15.0	10.4	19.6	15.6	10.9	20.3
\$25,000-34,999	658	12.7	8.8	16.5	15.0	9.5	20.5
\$35,000-49,999	862	9.2	6.6	11.8	9.2	6.4	11.9
\$50,000-74,999	882	9.4	6.7	12.0	9.3	6.4	12.3
\$75,000+	1,469	8.5	6.4	10.6	9.1	6.9	11.2

Definition: "Nearly Always" response to the question "How often do you use seatbelts when you drive or ride in a car? Would you say Always, Nearly Always, Sometimes, Seldom, Never, or Never drive or ride in a car?"



# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 12 Seatbelt Use

**Table 12.3 Sometimes uses a seatbelt when driving or riding in a vehicle**  
*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,767	4.3	3.6	5.0	4.5	3.7	5.3
<b>REGION</b>							
Central	631	4.3	2.3	6.4	4.5	2.3	6.7
Kansas City Metro	1,419	2.6	1.4	3.7	2.8	1.5	4.0
Northeast	587	6.7	3.6	9.7	7.2	3.4	11.0
Northwest	551	6.9	3.7	10.0	6.8	3.7	9.9
Southeast	1,101	7.5	5.3	9.7	8.1	5.4	10.7
Southwest	626	4.4	2.1	6.8	4.7	1.9	7.5
St. Louis Metro	1,852	3.7	2.5	4.9	3.9	2.5	5.3
<b>GENDER</b>							
Female	3,954	3.0	2.3	3.7	3.1	2.3	3.9
Male	2,813	5.6	4.4	6.9	6.0	4.5	7.4
<b>RACE</b>							
African-American	582	6.9	3.9	10.0	8.2	4.4	11.9
Other	416	4.3	1.9	6.7	4.5	2.0	7.1
White	5,769	3.9	3.2	4.7	4.1	3.2	4.9
<b>EDUCATION</b>							
< High School	613	8.0	4.6	11.3	9.3	5.2	13.3
High School	2,192	5.4	4.0	6.8	6.0	4.0	7.9
High School +	3,938	2.9	2.2	3.5	2.9	2.2	3.5
<b>INCOME</b>							
<\$15,000	696	6.6	4.0	9.2	7.2	4.2	10.1
\$15,000-24,999	902	6.0	3.6	8.3	6.4	3.6	9.2
\$25,000-34,999	658	4.5	2.2	6.8	4.7	1.8	7.5
\$35,000-49,999	862	3.8	2.3	5.4	3.8	2.2	5.4
\$50,000-74,999	882	4.7	2.5	6.9	5.7	2.9	8.5
\$75,000+	1,469	2.2	1.2	3.3	2.1	1.1	3.0

Definition: "Sometimes" response to the question "How often do you use seatbelts when you drive or ride in a car? Would you say Always, Nearly Always, Sometimes, Seldom, Never, or Never drive or ride in a car?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 12 Seatbelt Use

**Table 12.4 Seldom uses a seatbelt when driving or riding in a vehicle**  
*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,767	1.9	1.5	2.4	2.0	1.5	2.6
<b>REGION</b>							
Central	631	1.4	0.1	2.8	1.7	0.0	3.3
Kansas City Metro	1,419	1.9	0.8	3.0	2.0	0.8	3.3
Northeast	587	3.4	1.3	5.5	3.9	1.1	6.6
Northwest	551	1.6	0.1	3.1	1.7	0.0	3.4
Southeast	1,101	2.8	1.4	4.3	2.8	1.3	4.3
Southwest	626	2.4	0.9	4.0	2.4	0.9	3.9
St. Louis Metro	1,852	1.5	0.7	2.3	1.6	0.8	2.5
<b>GENDER</b>							
Female	3,954	1.4	0.9	1.8	1.5	0.9	2.1
Male	2,813	2.6	1.7	3.4	2.6	1.7	3.5
<b>RACE</b>							
African-American	582	1.1	0.1	2.0	1.2	0.0	2.4
Other	416	1.0	0.0	2.0	1.0	0.1	2.0
White	5,769	2.1	1.6	2.7	2.3	1.6	2.9
<b>EDUCATION</b>							
< High School	613	3.2	1.0	5.4	3.6	0.9	6.4
High School	2,192	2.3	1.5	3.2	2.8	1.6	4.0
High School +	3,938	1.5	0.9	2.0	1.5	0.9	2.0
<b>INCOME</b>							
<\$15,000	696	2.3	0.7	4.0	2.7	0.6	4.9
\$15,000-24,999	902	2.9	1.3	4.6	3.2	1.4	5.0
\$25,000-34,999	658	0.8	0.2	1.5	0.6	0.0	1.2
\$35,000-49,999	862	1.7	0.7	2.7	1.6	0.6	2.6
\$50,000-74,999	882	2.2	0.9	3.6	2.2	0.8	3.6
\$75,000+	1,469	1.2	0.5	2.0	1.3	0.5	2.0

Definition: "Seldom" response to the question "How often do you use seatbelts when you drive or ride in a car? Would you say Always, Nearly Always, Sometimes, Seldom, Never, or Never drive or ride in a car?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 12 Seatbelt Use

**Table 12.5 Never uses a seatbelt when driving or riding in a vehicle**  
*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,767	3.4	2.7	4.2	3.6	2.7	4.4
<b>REGION</b>							
Central	631	3.1	1.2	5.0	2.8	1.1	4.5
Kansas City Metro	1,419	1.5	0.8	2.1	1.4	0.8	2.0
Northeast	587	3.8	1.5	6.1	4.0	1.6	6.4
Northwest	551	6.9	2.8	11.0	7.0	2.4	11.7
Southeast	1,101	4.3	2.3	6.3	4.6	2.4	6.7
Southwest	626	4.7	2.1	7.2	5.7	2.4	9.0
St. Louis Metro	1,852	3.4	1.9	4.9	3.6	1.9	5.2
<b>GENDER</b>							
Female	3,954	2.7	1.8	3.7	2.9	1.8	3.9
Male	2,813	4.1	3.0	5.3	4.3	3.0	5.6
<b>RACE</b>							
African-American	582	4.8	1.6	8.0	4.5	1.6	7.4
Other	416	6.8	1.8	11.8	5.3	2.1	8.6
White	5,769	3.0	2.3	3.7	3.1	2.3	4.0
<b>EDUCATION</b>							
< High School	613	10.6	6.0	15.1	11.7	6.5	16.9
High School	2,192	3.3	2.2	4.4	3.5	2.1	4.9
High School +	3,938	2.0	1.4	2.7	2.1	1.4	2.9
<b>INCOME</b>							
<\$15,000	696	7.4	3.7	11.0	7.7	3.3	12.0
\$15,000-24,999	902	8.2	4.6	11.8	8.2	4.5	11.8
\$25,000-34,999	658	2.5	0.9	4.0	2.6	0.9	4.3
\$35,000-49,999	862	3.2	1.4	5.0	3.6	1.3	5.9
\$50,000-74,999	882	2.8	0.7	4.8	2.5	0.7	4.4
\$75,000+	1,469	1.2	0.4	2.0	1.3	0.5	2.1

Definition: "Never" response to the question "How often do you use seatbelts when you drive or ride in a car? Would you say Always, Nearly Always, Sometimes, Seldom, Never, or Never drive or ride in a car?"

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**  
**Chronic Conditions and Diseases**  
**Chapter 13 Cholesterol Awareness**

**Table 13.1 Ever had blood cholesterol checked**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,123	80.3	78.8	81.8	78.5	77.0	80.1
<b>REGION</b>							
Central	664	73.6	68.5	78.8	73.1	68.4	77.8
Kansas City Metro	1,497	80.1	77.0	83.2	78.1	75.2	81.1
Northeast	608	79.2	73.4	85.0	77.0	71.1	82.8
Northwest	588	84.7	79.9	89.4	85.2	81.0	89.5
Southeast	1,167	77.2	73.1	81.4	73.0	68.8	77.2
Southwest	647	83.1	78.7	87.5	82.7	78.0	87.4
St. Louis Metro	1,952	81.9	79.4	84.5	79.8	77.1	82.4
<b>GENDER</b>							
Female	4,130	82.6	80.6	84.5	80.6	78.7	82.5
Male	2,993	77.9	75.6	80.3	76.5	74.1	78.9
<b>RACE</b>							
African-American	642	76.3	71.0	81.6	77.8	73.1	82.5
Other	447	74.6	68.4	80.7	80.4	76.2	84.6
White	6,034	81.3	79.7	83.0	78.5	76.8	80.2
<b>EDUCATION</b>							
< High School	657	69.4	63.5	75.3	65.4	59.1	71.7
High School	2,334	78.1	75.4	80.8	74.0	70.9	77.1
High School +	4,104	83.9	82.1	85.7	82.8	81.1	84.5
<b>INCOME</b>							
<\$15,000	725	71.4	66.0	76.8	70.2	64.9	75.5
\$15,000-24,999	950	73.9	69.3	78.5	72.9	68.2	77.6
\$25,000-34,999	692	75.8	70.7	80.9	73.6	68.3	78.9
\$35,000-49,999	896	82.7	78.8	86.5	80.1	75.6	84.5
\$50,000-74,999	912	82.3	78.1	86.5	80.7	76.4	85.0
\$75,000+	1,534	88.3	85.9	90.8	84.6	81.9	87.2

Definition: "Yes" response to the question "Blood cholesterol is a fatty substance found in the blood. Have you EVER had your blood cholesterol checked?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 13 Cholesterol Awareness

**Table 13.2.1 Had blood cholesterol checked within the past year**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,273	73.8	72.2	75.4	70.1	68.0	72.2
<b>REGION</b>							
Central	570	69.9	64.7	75.1	64.6	57.8	71.5
Kansas City Metro	1,316	75.8	72.7	78.9	72.5	68.4	76.6
Northeast	555	70.2	64.8	75.7	64.1	56.6	71.6
Northwest	537	70.5	64.3	76.7	67.2	60.1	74.3
Southeast	994	73.7	69.8	77.6	67.0	61.6	72.3
Southwest	570	74.1	69.1	79.2	71.3	65.3	77.2
St. Louis Metro	1,731	74.5	71.7	77.3	71.4	67.8	75.0
<b>GENDER</b>							
Female	3,696	74.7	72.6	76.7	70.9	68.1	73.6
Male	2,577	72.8	70.3	75.3	69.3	66.2	72.5
<b>RACE</b>							
African-American	549	81.7	77.3	86.1	80.1	74.9	85.3
Other	367	71.5	64.7	78.3	72.6	66.2	79.1
White	5,357	73.0	71.2	74.7	68.4	66.0	70.8
<b>EDUCATION</b>							
< High School	533	75.1	69.4	80.8	68.4	59.9	76.9
High School	2,010	75.0	72.1	77.9	69.5	65.1	73.9
High School +	3,708	73.1	71.1	75.2	70.6	68.1	73.1
<b>INCOME</b>							
<\$15,000	597	74.1	68.8	79.5	71.3	64.9	77.8
\$15,000-24,999	799	74.4	69.6	79.1	69.7	63.7	75.7
\$25,000-34,999	594	77.3	72.5	82.0	71.3	64.4	78.3
\$35,000-49,999	790	75.3	70.8	79.8	73.3	68.1	78.5
\$50,000-74,999	824	73.7	69.4	78.0	70.6	65.1	76.1
\$75,000+	1,424	72.3	69.1	75.5	71.4	67.0	75.7

Definition: “Yes” response to the question “Have you EVER had your blood cholesterol checked?” AND “Within past year (anytime less than 12 months)” response to the question “About how long has it been since you last had your blood cholesterol checked?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 13 Cholesterol Awareness

**Table 13.2.2 Had blood cholesterol checked more than 1 year, but less than 2 years ago**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,273	11.0	9.9	12.1	11.9	10.5	13.3
<b>REGION</b>							
Central	570	9.3	6.0	12.6	10.9	6.3	15.5
Kansas City Metro	1,316	10.0	8.0	12.1	10.7	8.2	13.2
Northeast	555	11.7	8.0	15.4	13.7	8.3	19.1
Northwest	537	16.4	10.9	22.0	18.8	11.8	25.9
Southeast	994	8.9	6.7	11.2	9.7	6.6	12.8
Southwest	570	9.4	6.0	12.7	9.8	5.8	13.7
St. Louis Metro	1,731	12.6	10.5	14.6	13.3	10.8	15.8
<b>GENDER</b>							
Female	3,696	11.7	10.2	13.2	13.1	11.1	15.1
Male	2,577	10.2	8.6	11.8	10.6	8.7	12.6
<b>RACE</b>							
African-American	549	10.8	7.3	14.3	12.2	7.9	16.5
Other	367	8.3	3.9	12.7	8.4	4.2	12.6
White	5,357	11.2	10.0	12.4	12.3	10.7	13.9
<b>EDUCATION</b>							
< High School	533	9.0	5.4	12.6	12.2	5.9	18.4
High School	2,010	9.7	7.8	11.6	10.9	8.0	13.7
High School +	3,708	11.8	10.4	13.3	12.4	10.7	14.1
<b>INCOME</b>							
<\$15,000	597	6.9	4.0	9.7	9.0	4.9	13.0
\$15,000-24,999	799	10.3	7.0	13.7	12.0	7.8	16.1
\$25,000-34,999	594	11.7	7.8	15.7	14.5	8.5	20.6
\$35,000-49,999	790	10.5	7.4	13.5	10.9	7.4	14.4
\$50,000-74,999	824	9.9	7.3	12.5	10.2	7.1	13.4
\$75,000+	1,424	13.2	10.9	15.6	12.3	9.8	14.7

Definition: “Yes” response to the question “Have you ever had your blood cholesterol checked?” AND “Within past 2 years (1 year but less than 2 years ago)” response to the question “About how long has it been since you last had your blood cholesterol checked?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 13 Cholesterol Awareness

**Table 13.2.3 Had blood cholesterol checked more than 2 years, but less than 5 years ago**  
Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,273	8.3	7.3	9.4	10.3	8.8	11.8
<b>REGION</b>							
Central	570	9.5	6.2	12.7	11.7	7.1	16.3
Kansas City Metro	1,316	8.7	6.6	10.8	11.5	8.2	14.8
Northeast	555	9.7	5.9	13.4	11.9	6.6	17.2
Northwest	537	7.4	3.8	10.9	8.4	4.4	12.4
Southeast	994	8.7	6.0	11.3	11.0	7.2	14.9
Southwest	570	8.4	5.0	11.9	10.4	6.0	14.8
St. Louis Metro	1,731	7.6	5.9	9.4	9.0	6.6	11.5
<b>GENDER</b>							
Female	3,696	8.0	6.7	9.2	9.5	7.7	11.3
Male	2,577	8.8	7.0	10.5	11.0	8.6	13.3
<b>RACE</b>							
African-American	549	4.7	2.2	7.2	4.9	2.3	7.6
Other	367	12.5	7.7	17.2	12.5	7.7	17.3
White	5,357	8.5	7.3	9.6	10.9	9.1	12.6
<b>EDUCATION</b>							
< High School	533	7.3	3.7	10.9	8.9	4.3	13.6
High School	2,010	7.6	5.8	9.4	9.4	6.6	12.1
High School +	3,708	9.0	7.6	10.4	10.4	8.6	12.3
<b>INCOME</b>							
<\$15,000	597	9.7	5.9	13.5	11.3	6.6	16.0
\$15,000-24,999	799	8.6	5.7	11.4	10.3	6.5	14.1
\$25,000-34,999	594	6.7	4.0	9.3	8.9	4.9	13.0
\$35,000-49,999	790	7.1	4.4	9.7	8.5	5.0	12.0
\$50,000-74,999	824	9.7	6.4	13.1	11.8	7.3	16.4
\$75,000+	1,424	8.6	6.5	10.7	9.8	6.5	13.2

Definition: "Yes" response to the question "Have you ever had your blood cholesterol checked?" AND "Within past 5 years (2 years but less than 5 years ago)" response to the question "About how long has it been since you last had your blood cholesterol checked?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 13 Cholesterol Awareness

**Table 13.2.4 Had blood cholesterol checked 5 or more years ago**  
*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,273	5.5	4.6	6.4	6.2	5.1	7.4
<b>REGION</b>							
Central	570	8.7	5.2	12.2	9.9	5.4	14.4
Kansas City Metro	1,316	3.9	2.4	5.4	3.9	2.3	5.5
Northeast	555	6.4	3.2	9.6	8.5	3.6	13.5
Northwest	537	3.8	1.6	6.0	3.6	1.4	5.8
Southeast	994	7.5	4.9	10.2	11.2	6.6	15.8
Southwest	570	6.5	3.7	9.3	7.2	3.8	10.5
St. Louis Metro	1,731	4.5	3.0	5.9	5.3	3.3	7.4
<b>GENDER</b>							
Female	3,696	4.4	3.4	5.4	5.2	3.7	6.7
Male	2,577	6.7	5.2	8.2	7.4	5.6	9.3
<b>RACE</b>							
African-American	549	2.3	0.5	4.0	2.2	0.3	4.1
Other	367	7.2	3.2	11.2	5.9	2.5	9.2
White	5,357	5.7	4.7	6.7	6.8	5.4	8.2
<b>EDUCATION</b>							
< High School	533	6.1	2.6	9.5	8.4	3.3	13.5
High School	2,010	5.5	3.9	7.1	7.2	4.6	9.9
High School +	3,708	5.3	4.2	6.4	5.9	4.5	7.3
<b>INCOME</b>							
<\$15,000	597	7.7	4.2	11.2	6.8	3.3	10.3
\$15,000-24,999	799	5.4	2.5	8.3	6.9	3.0	10.9
\$25,000-34,999	594	3.6	1.9	5.3	4.6	2.0	7.2
\$35,000-49,999	790	6.0	3.4	8.6	6.1	3.3	8.9
\$50,000-74,999	824	5.8	3.6	8.0	6.7	3.7	9.8
\$75,000+	1,424	5.0	3.2	6.7	5.7	2.8	8.5

Definition: “Yes” response to the question “Have you ever had your blood cholesterol checked?” AND “Five or more years ago” response to the question “About how long has it been since you last had your blood cholesterol checked?”



# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 13 Cholesterol Awareness

**Table 13.3 Ever been told by a doctor, nurse or other health professional that blood cholesterol is high**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,206	37.1	35.4	38.7	31.4	29.7	33.1
<b>REGION</b>							
Central	565	38.0	33.0	43.0	32.1	26.7	37.4
Kansas City Metro	1,303	40.8	37.4	44.2	34.3	31.0	37.5
Northeast	551	36.7	31.7	41.7	28.3	24.0	32.7
Northwest	531	35.7	30.2	41.3	30.5	25.9	35.1
Southeast	977	41.4	37.2	45.6	33.6	29.1	38.1
Southwest	565	37.3	32.1	42.4	33.1	27.8	38.4
St. Louis Metro	1,714	33.8	30.9	36.7	28.6	25.9	31.4
<b>GENDER</b>							
Female	3,661	36.2	34.1	38.4	30.4	28.2	32.7
Male	2,545	38.0	35.5	40.6	32.6	30.0	35.1
<b>RACE</b>							
African-American	545	34.0	28.6	39.4	29.3	24.8	33.9
Other	364	31.3	24.6	38.0	33.4	27.3	39.6
White	5,297	37.9	36.1	39.7	31.5	29.6	33.4
<b>EDUCATION</b>							
< High School	520	46.6	40.3	53.0	37.8	31.3	44.3
High School	1,984	38.4	35.4	41.4	30.0	26.5	33.4
High School +	3,681	34.9	32.8	37.0	31.3	29.2	33.4
<b>INCOME</b>							
<\$15,000	594	45.5	39.6	51.3	40.4	34.6	46.2
\$15,000-24,999	789	41.8	36.6	47.0	34.7	29.3	40.1
\$25,000-34,999	589	45.1	39.4	50.8	37.7	30.7	44.7
\$35,000-49,999	785	36.3	31.6	41.1	30.3	25.7	34.9
\$50,000-74,999	817	35.8	31.5	40.2	31.8	27.0	36.6
\$75,000+	1,416	30.5	27.4	33.7	27.6	24.7	30.5

Definition: “Yes” responses to question “Have you ever had your blood cholesterol checked” AND “Have you ever been told by a doctor, nurse or other health professional that your blood cholesterol is high?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 14 Overweight and Obesity

**Table 14.1 Overweight (BMI 25.0-29.9)**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,764	33.9	32.3	35.5	33.5	31.8	35.2
<b>REGION</b>							
Central	621	33.1	28.0	38.2	33.3	27.8	38.7
Kansas City Metro	1,421	32.6	29.4	35.7	32.1	28.8	35.4
Northeast	577	35.1	29.6	40.6	33.6	27.9	39.2
Northwest	553	35.8	29.9	41.8	36.2	30.1	42.3
Southeast	1,119	37.0	32.8	41.1	36.6	32.0	41.1
Southwest	617	31.7	26.7	36.6	31.2	25.7	36.7
St. Louis Metro	1,856	34.7	31.9	37.6	34.0	31.1	37.0
<b>GENDER</b>							
Female	3,814	28.5	26.4	30.5	27.7	25.5	29.8
Male	2,950	39.2	36.8	41.7	39.2	36.5	41.8
<b>RACE</b>							
African-American	611	35.9	30.4	41.4	36.2	30.5	41.8
Other	421	27.0	21.1	32.9	29.3	23.8	34.8
White	5,732	34.2	32.5	36.0	33.8	31.9	35.7
<b>EDUCATION</b>							
< High School	634	30.0	24.5	35.4	29.7	23.6	35.9
High School	2,231	34.5	31.7	37.3	33.9	30.5	37.2
High School +	3,890	34.5	32.4	36.6	34.3	32.1	36.4
<b>INCOME</b>							
<\$15,000	709	26.0	21.6	30.5	25.8	21.1	30.6
\$15,000-24,999	928	33.6	28.9	38.3	32.7	27.6	37.8
\$25,000-34,999	678	36.3	31.1	41.5	36.2	30.0	42.4
\$35,000-49,999	871	37.0	32.5	41.6	36.1	31.1	41.1
\$50,000-74,999	896	36.9	32.4	41.4	36.3	31.4	41.3
\$75,000+	1,481	35.4	32.2	38.7	34.7	31.3	38.1

Definition: Adult reported height and weight converted to Body Mass Index (BMI). Overweight is a BMI of 25.0 through 29.99.

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 14 Overweight and Obesity

### Table 14.2 Obese (BMI 30 and greater)

Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,764	32.4	30.8	34.0	32.8	31.1	34.5
<b>REGION</b>							
Central	621	31.2	26.4	36.1	32.4	27.2	37.6
Kansas City Metro	1,421	35.0	31.7	38.3	34.8	31.2	38.3
Northeast	577	38.1	32.6	43.6	39.0	32.9	45.0
Northwest	553	34.3	28.4	40.2	34.8	28.9	40.8
Southeast	1,119	33.1	29.2	37.0	33.3	29.1	37.5
Southwest	617	33.9	29.0	38.9	35.8	30.3	41.4
St. Louis Metro	1,856	29.5	26.7	32.3	29.9	27.0	32.9
<b>GENDER</b>							
Female	3,814	31.2	29.1	33.4	31.7	29.4	34.1
Male	2,950	33.5	31.1	35.9	33.8	31.3	36.3
<b>RACE</b>							
African-American	611	36.9	31.4	42.4	37.3	31.6	42.9
Other	421	29.0	22.7	35.3	31.3	25.4	37.1
White	5,732	32.0	30.3	33.8	32.4	30.5	34.3
<b>EDUCATION</b>							
< High School	634	38.5	32.7	44.3	40.4	34.3	46.5
High School	2,231	32.7	29.9	35.5	33.5	30.1	36.9
High School +	3,890	30.9	28.9	32.9	31.0	28.9	33.0
<b>INCOME</b>							
<\$15,000	709	39.5	34.0	45.1	40.6	34.8	46.3
\$15,000-24,999	928	34.5	29.9	39.1	35.8	30.7	40.9
\$25,000-34,999	678	32.0	27.0	37.1	33.2	27.1	39.4
\$35,000-49,999	871	31.9	27.4	36.4	32.2	27.2	37.2
\$50,000-74,999	896	31.8	27.6	36.0	31.0	26.5	35.4
\$75,000+	1,481	33.4	30.1	36.7	32.3	29.0	35.7

Definition: Adult reported height and weight converted to Body Mass Index (BMI). Obesity is a BMI of 30.0 and greater.

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 15 Chronic Diseases

**Table 15.1 Ever been told by a health professional that they had a heart attack**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,264	5.3	4.7	5.9	4.7	4.1	5.2
<b>REGION</b>							
Central	675	4.7	2.5	6.9	4.8	2.0	7.7
Kansas City Metro	1,534	4.7	3.6	5.8	4.1	3.2	5.0
Northeast	615	5.1	3.3	6.9	4.1	2.6	5.6
Northwest	599	7.0	4.6	9.4	6.6	4.3	8.8
Southeast	1,192	8.5	6.4	10.6	7.6	5.5	9.7
Southwest	657	4.2	2.7	5.7	3.1	2.0	4.2
St. Louis Metro	1,992	5.2	4.1	6.3	4.7	3.7	5.7
<b>GENDER</b>							
Female	4,228	4.0	3.3	4.7	3.4	2.8	4.0
Male	3,036	6.6	5.6	7.7	6.1	5.1	7.2
<b>RACE</b>							
African-American	654	5.8	3.6	7.9	5.5	3.5	7.6
Other	453	5.7	2.5	8.9	7.9	4.2	11.7
White	6,157	5.2	4.5	5.8	4.3	3.7	4.8
<b>EDUCATION</b>							
< High School	673	8.7	6.3	11.2	6.7	4.6	8.8
High School	2,400	6.6	5.5	7.7	5.2	4.2	6.1
High School +	4,162	3.8	3.1	4.5	3.7	3.0	4.5
<b>INCOME</b>							
<\$15,000	748	8.1	5.7	10.6	7.8	5.5	10.1
\$15,000-24,999	973	8.2	6.3	10.1	7.5	5.7	9.3
\$25,000-34,999	699	6.7	4.4	8.9	5.2	3.1	7.3
\$35,000-49,999	909	4.0	2.6	5.3	3.2	2.2	4.3
\$50,000-74,999	924	4.0	2.5	5.5	3.6	2.2	4.9
\$75,000+	1,554	3.1	1.9	4.3	3.4	2.1	4.6

Definition: "Yes" response to the question "Has a doctor, nurse or other health professional EVER told you that you had a heart attack, also called a myocardial infarction?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 15 Chronic Diseases

**Table 15.2 Ever been told by a health professional that they had angina or coronary heart disease**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,207	4.8	4.3	5.4	4.2	3.7	4.8
<b>REGION</b>							
Central	673	6.1	3.8	8.5	6.1	3.2	9.1
Kansas City Metro	1,521	3.7	2.8	4.5	3.3	2.5	4.1
Northeast	612	3.6	2.1	5.2	2.7	1.7	3.8
Northwest	595	5.0	3.1	7.0	4.6	2.9	6.3
Southeast	1,176	7.0	5.1	9.0	6.3	4.3	8.2
Southwest	652	5.0	3.2	6.8	3.7	2.3	5.0
St. Louis Metro	1,978	4.5	3.6	5.5	4.0	3.2	4.8
<b>GENDER</b>							
Female	4,197	4.2	3.4	4.9	3.5	2.9	4.2
Male	3,010	5.6	4.6	6.5	5.1	4.2	6.1
<b>RACE</b>							
African-American	653	4.5	2.8	6.3	4.7	2.9	6.5
Other	443	4.1	1.1	7.1	6.0	2.4	9.6
White	6,111	5.0	4.3	5.6	4.0	3.5	4.5
<b>EDUCATION</b>							
< High School	665	7.3	5.1	9.5	5.6	3.9	7.3
High School	2,365	5.5	4.5	6.6	4.3	3.4	5.3
High School +	4,148	3.9	3.2	4.7	3.8	3.0	4.5
<b>INCOME</b>							
<\$15,000	739	8.2	5.6	10.7	8.1	5.6	10.5
\$15,000-24,999	963	5.8	4.1	7.5	5.2	3.8	6.7
\$25,000-34,999	692	7.4	4.9	9.9	5.7	3.4	8.1
\$35,000-49,999	906	4.1	2.7	5.4	3.3	2.3	4.4
\$50,000-74,999	920	3.2	2.0	4.4	3.0	2.0	4.1
\$75,000+	1,550	2.8	1.7	3.9	3.1	2.0	4.2

Definition: “Yes” response to the question “Has a doctor, nurse or other health professional EVER told you that you had angina or coronary heart disease?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 15 Chronic Diseases

**Table 15.3 Ever been told by a health professional that they had a stroke**  
Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,281	4.5	3.9	5.1	4.2	3.5	4.8
<b>REGION</b>							
Central	674	2.3	1.3	3.3	2.2	1.2	3.1
Kansas City Metro	1,541	3.9	2.7	5.2	3.8	2.5	5.1
Northeast	621	5.4	3.0	7.8	5.2	2.5	7.9
Northwest	598	4.7	2.6	6.9	4.4	2.5	6.3
Southeast	1,195	7.8	5.8	9.8	7.1	5.0	9.2
Southwest	659	5.5	3.3	7.6	4.8	2.6	7.0
St. Louis Metro	1,993	4.1	3.1	5.1	3.8	2.7	4.8
<b>GENDER</b>							
Female	4,235	4.5	3.6	5.3	4.1	3.3	5.0
Male	3,046	4.5	3.6	5.4	4.2	3.3	5.1
<b>RACE</b>							
African-American	658	6.1	3.9	8.3	6.5	4.1	8.8
Other	455	3.1	1.6	4.5	4.6	2.6	6.6
White	6,168	4.4	3.7	5.1	3.9	3.2	4.6
<b>EDUCATION</b>							
< High School	682	9.5	6.7	12.3	8.4	5.6	11.2
High School	2,403	4.3	3.3	5.2	3.6	2.7	4.4
High School +	4,167	3.5	2.8	4.3	3.5	2.7	4.3
<b>INCOME</b>							
<\$15,000	753	8.9	6.3	11.5	9.3	6.3	12.2
\$15,000-24,999	977	6.6	4.4	8.8	6.5	4.0	9.0
\$25,000-34,999	699	5.5	3.2	7.7	4.8	2.5	7.1
\$35,000-49,999	909	2.9	1.8	4.0	2.5	1.5	3.4
\$50,000-74,999	926	2.9	1.6	4.3	2.6	1.4	3.8
\$75,000+	1,551	2.5	1.4	3.5	2.5	1.5	3.4

Definition: "Yes" response to the question "Has a doctor, nurse or other health professional EVER told you that you had a stroke?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 15 Chronic Diseases

**Table 15.4 Ever been told by a health professional that they had asthma**  
Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,275	14.5	13.2	15.7	14.9	13.6	16.3
<b>REGION</b>							
Central	674	11.5	8.2	14.8	11.6	7.9	15.3
Kansas City Metro	1,538	15.6	13.0	18.1	15.8	13.0	18.5
Northeast	621	11.7	8.6	14.8	11.7	8.2	15.1
Northwest	600	13.1	9.4	16.9	12.5	9.1	16.0
Southeast	1,190	15.8	12.4	19.3	16.4	12.7	20.1
Southwest	660	15.4	11.3	19.6	16.2	11.7	20.8
St. Louis Metro	1,992	14.5	12.5	16.6	15.0	12.8	17.3
<b>GENDER</b>							
Female	4,230	16.7	15.0	18.4	17.3	15.5	19.2
Male	3,045	12.1	10.4	13.8	12.4	10.5	14.3
<b>RACE</b>							
African-American	658	14.6	11.0	18.2	14.5	10.9	18.2
Other	456	18.4	13.0	23.9	18.1	13.1	23.1
White	6,161	14.1	12.8	15.4	14.8	13.3	16.3
<b>EDUCATION</b>							
< High School	683	20.7	15.8	25.7	21.6	16.0	27.3
High School	2,398	11.6	9.8	13.3	11.4	9.4	13.4
High School +	4,165	14.8	13.2	16.4	15.1	13.5	16.8
<b>INCOME</b>							
<\$15,000	751	23.6	19.1	28.2	23.9	19.1	28.6
\$15,000-24,999	979	18.1	14.4	21.7	18.4	14.5	22.3
\$25,000-34,999	700	12.6	9.3	16.0	13.6	9.4	17.8
\$35,000-49,999	908	11.5	8.2	14.8	11.5	7.7	15.4
\$50,000-74,999	924	12.2	9.1	15.3	12.5	9.1	15.9
\$75,000+	1,553	12.9	10.6	15.2	13.1	10.7	15.6

Definition: "Yes" response to the question "Have you ever been told by a doctor, nurse or other health professional that you had asthma?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 15 Chronic Diseases

**Table 15.5 Ever been told by a health professional they still have asthma**  
Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,250	9.6	8.6	10.6	9.8	8.7	10.9
<b>REGION</b>							
Central	671	7.7	5.0	10.4	8.0	4.7	11.2
Kansas City Metro	1,533	9.7	7.6	11.8	9.5	7.3	11.6
Northeast	619	7.3	5.0	9.6	6.9	4.4	9.4
Northwest	597	9.5	6.2	12.7	8.8	6.0	11.7
Southeast	1,185	10.2	7.8	12.7	10.3	7.7	12.8
Southwest	660	10.6	7.0	14.3	11.2	7.1	15.3
St. Louis Metro	1,985	9.9	8.2	11.6	10.1	8.2	11.9
<b>GENDER</b>							
Female	4,214	12.3	10.8	13.9	12.7	11.0	14.4
Male	3,036	6.7	5.5	8.0	6.8	5.4	8.3
<b>RACE</b>							
African-American	658	9.6	6.6	12.6	9.2	6.3	12.0
Other	455	13.2	8.2	18.2	13.1	8.5	17.8
White	6,137	9.3	8.2	10.4	9.6	8.3	10.8
<b>EDUCATION</b>							
< High School	676	16.8	12.2	21.4	17.5	12.3	22.8
High School	2,390	7.5	6.1	8.9	7.3	5.7	8.9
High School +	4,155	9.3	8.0	10.5	9.4	8.1	10.7
<b>INCOME</b>							
<\$15,000	748	17.4	13.4	21.4	17.3	13.3	21.3
\$15,000-24,999	977	11.8	9.0	14.7	12.1	8.9	15.3
\$25,000-34,999	697	6.6	4.3	9.0	6.9	3.8	10.0
\$35,000-49,999	903	7.4	4.7	10.2	7.3	4.0	10.6
\$50,000-74,999	921	7.8	5.2	10.5	7.8	5.0	10.7
\$75,000+	1,551	8.3	6.4	10.2	8.0	6.2	9.9

Definition: “Yes” or “No” response to the question “Have you ever been told by a doctor, nurse or other health professional that you had asthma?” AND “Yes” response to the question “Do you still have asthma?”



# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 15 Chronic Diseases

**Table 15.6 Ever been told by a health professional that they had skin cancer**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,281	6.8	6.1	7.4	5.9	5.3	6.5
<b>REGION</b>							
Central	675	6.5	4.8	8.2	5.9	4.4	7.5
Kansas City Metro	1,540	7.0	5.5	8.4	6.4	5.0	7.7
Northeast	622	7.2	5.2	9.2	5.4	4.0	6.7
Northwest	601	8.2	5.9	10.6	7.3	5.3	9.3
Southeast	1,189	7.8	6.0	9.6	6.3	4.7	7.9
Southwest	656	8.0	5.7	10.3	6.8	4.8	8.8
St. Louis Metro	1,998	5.7	4.6	6.8	4.9	3.9	5.8
<b>GENDER</b>							
Female	4,239	6.3	5.4	7.2	5.3	4.5	6.1
Male	3,042	7.3	6.3	8.3	6.6	5.7	7.5
<b>RACE</b>							
African-American	657	0.3	0.0	0.6	0.3	0.0	0.7
Other	455	2.0	0.9	3.0	2.8	1.4	4.3
White	6,169	8.0	7.2	8.8	6.7	6.0	7.4
<b>EDUCATION</b>							
< High School	681	6.7	4.6	8.8	5.1	3.2	6.9
High School	2,403	7.9	6.6	9.2	6.1	5.1	7.1
High School +	4,168	6.1	5.3	7.0	5.8	5.0	6.6
<b>INCOME</b>							
<\$15,000	754	4.0	2.5	5.6	4.0	2.5	5.5
\$15,000-24,999	977	6.1	4.4	7.8	5.1	3.6	6.7
\$25,000-34,999	698	6.8	5.0	8.7	4.6	3.1	6.1
\$35,000-49,999	910	6.6	4.7	8.6	5.7	4.0	7.4
\$50,000-74,999	923	7.6	5.5	9.8	7.2	5.1	9.2
\$75,000+	1,553	7.1	5.6	8.5	7.5	6.1	8.9

Definition: "Yes" response to the question "(Ever told) you had skin cancer?"

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 15 Chronic Diseases**

**Table 15.7 Ever been told by a health professional they had any other types of cancer**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,287	7.4	6.7	8.1	6.8	6.1	7.4
<b>REGION</b>							
Central	675	6.8	4.9	8.8	6.1	4.4	7.8
Kansas City Metro	1,540	7.0	5.6	8.4	6.4	5.1	7.7
Northeast	622	7.5	5.3	9.6	6.5	4.5	8.5
Northwest	600	10.5	7.2	13.8	10.1	6.9	13.3
Southeast	1,194	8.3	6.6	10.0	7.6	5.8	9.4
Southwest	660	8.2	5.7	10.6	7.9	5.2	10.5
St. Louis Metro	1,996	7.0	5.8	8.2	6.2	5.2	7.3
<b>GENDER</b>							
Female	4,238	9.1	8.0	10.2	8.3	7.2	9.3
Male	3,049	5.7	4.8	6.5	5.2	4.4	6.0
<b>RACE</b>							
African-American	659	7.0	4.8	9.3	7.6	5.3	9.9
Other	455	5.2	3.0	7.4	7.3	4.4	10.2
White	6,173	7.7	6.9	8.5	6.7	6.0	7.5
<b>EDUCATION</b>							
< High School	684	9.1	6.6	11.6	7.4	5.4	9.5
High School	2,403	8.2	6.9	9.4	6.9	5.7	8.0
High School +	4,172	6.7	5.8	7.6	6.5	5.6	7.5
<b>INCOME</b>							
<\$15,000	751	6.8	4.7	9.0	7.0	4.7	9.3
\$15,000-24,999	980	10.5	7.9	13.1	10.4	7.5	13.3
\$25,000-34,999	701	11.1	8.2	14.1	9.1	6.5	11.7
\$35,000-49,999	910	6.4	4.6	8.2	5.5	3.8	7.2
\$50,000-74,999	926	6.8	5.1	8.5	6.3	4.8	7.8
\$75,000+	1,553	3.7	2.8	4.7	4.3	3.3	5.3

Definition: “Yes” response to the question “(Ever told) you had any other types of cancer?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 15 Chronic Diseases

**Table 15.8 Ever been told by a health professional that they had chronic obstructive pulmonary disease, emphysema or chronic bronchitis**  
Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

		Prevalence			Age-adjusted Prevalence		
Demographic	Sample Size	%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,259	8.4	7.5	9.2	7.9	7.0	8.8
<b>REGION</b>							
Central	673	8.6	5.6	11.6	8.7	5.1	12.2
Kansas City Metro	1,531	7.1	5.5	8.6	6.7	5.2	8.2
Northeast	618	7.8	5.5	10.0	7.3	4.9	9.6
Northwest	599	10.5	7.1	13.9	9.9	6.6	13.2
Southeast	1,190	13.9	11.4	16.5	12.8	10.3	15.3
Southwest	657	11.3	7.8	14.8	11.0	7.1	14.8
St. Louis Metro	1,991	6.1	4.9	7.2	5.5	4.5	6.5
<b>GENDER</b>							
Female	4,230	9.6	8.3	10.9	9.1	7.7	10.4
Male	3,029	7.0	5.9	8.2	6.8	5.5	8.1
<b>RACE</b>							
African-American	652	6.7	4.6	8.9	6.6	4.6	8.7
Other	452	7.7	4.0	11.4	10.2	5.9	14.5
White	6,155	8.6	7.7	9.6	7.9	6.9	9.0
<b>EDUCATION</b>							
< High School	676	19.4	15.1	23.8	18.8	14.0	23.6
High School	2,391	8.7	7.4	10.0	7.7	6.4	8.9
High School +	4,163	5.7	4.7	6.6	5.6	4.7	6.6
<b>INCOME</b>							
<\$15,000	747	20.8	16.7	24.9	20.4	16.5	24.4
\$15,000-24,999	976	10.8	8.1	13.5	11.1	8.1	14.2
\$25,000-34,999	701	10.1	7.2	13.1	9.1	5.8	12.4
\$35,000-49,999	911	8.2	5.5	11.0	7.7	4.6	10.9
\$50,000-74,999	921	4.5	3.0	5.9	4.4	2.8	5.9
\$75,000+	1,549	3.1	1.8	4.3	3.3	2.0	4.6

Definition: "Yes" response to the question "(Ever told) you have Chronic Obstructive Pulmonary Disease or COPD, emphysema or chronic bronchitis?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 15 Chronic Diseases

**Table 15.9 Ever been told by a health professional that they had some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,264	29.3	27.9	30.7	27.3	25.9	28.7
<b>REGION</b>							
Central	672	28.3	24.1	32.4	27.3	23.2	31.5
Kansas City Metro	1,535	28.4	25.6	31.2	26.6	23.9	29.2
Northeast	621	31.3	26.9	35.8	28.0	24.0	32.0
Northwest	599	29.2	24.4	33.9	28.2	23.7	32.7
Southeast	1,191	37.6	33.8	41.4	33.5	30.0	37.0
Southwest	656	32.3	27.7	36.8	30.7	26.0	35.4
St. Louis Metro	1,990	26.5	24.1	29.0	24.5	22.1	26.9
<b>GENDER</b>							
Female	4,226	33.3	31.3	35.3	30.7	28.7	32.7
Male	3,038	25.2	23.2	27.1	23.8	21.8	25.7
<b>RACE</b>							
African-American	656	27.9	23.3	32.5	27.3	23.0	31.5
Other	454	22.7	16.4	28.9	27.5	21.8	33.3
White	6,154	30.1	28.6	31.6	27.1	25.6	28.6
<b>EDUCATION</b>							
< High School	679	37.0	31.6	42.5	34.0	28.2	39.8
High School	2,398	33.5	30.9	36.1	29.4	26.6	32.1
High School +	4,160	25.5	23.8	27.2	25.1	23.5	26.7
<b>INCOME</b>							
<\$15,000	750	37.4	32.6	42.3	37.0	32.6	41.5
\$15,000-24,999	976	36.6	32.0	41.3	36.3	31.3	41.4
\$25,000-34,999	697	32.1	27.4	36.8	28.2	23.4	33.1
\$35,000-49,999	911	27.0	23.1	30.9	24.6	20.7	28.5
\$50,000-74,999	922	26.4	22.7	30.2	24.9	21.2	28.5
\$75,000+	1,549	22.0	19.4	24.6	21.8	19.3	24.4

Definition: “Yes” response to the question “(Ever told) you have some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia?” Arthritis diagnoses include: rheumatism, polymyalgia rheumatica; osteoarthritis (not osteoporosis); tendonitis, bursitis, bunion, tennis elbow; carpal tunnel syndrome, tarsal tunnel syndrome; joint infection, Reiter’s syndrome; ankylosing spondylitis; spondylosis; rotator cuff syndrome; connective tissue disease, scleroderma, polymyositis, Raynaud’s syndrome; vasculitis (giant cell arteritis, Henoch-Schonlein purpura, Wegener’s granulomatosis, polyarteritis nodosa)

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 15 Chronic Diseases**

**Table 15.10 Ever been told by a health professional that they had a depressive disorder**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,279	21.8	20.4	23.2	22.2	20.7	23.7
<b>REGION</b>							
Central	676	22.5	18.4	26.6	23.3	18.8	27.7
Kansas City Metro	1,534	19.2	16.6	21.7	19.2	16.5	21.8
Northeast	621	17.2	13.5	20.9	16.9	13.0	20.8
Northwest	599	16.3	12.2	20.4	16.9	12.6	21.1
Southeast	1,196	26.2	22.8	29.6	27.0	23.2	30.8
Southwest	661	26.5	21.9	31.1	27.7	22.6	32.7
St. Louis Metro	1,992	20.9	18.4	23.3	21.4	18.7	24.1
<b>GENDER</b>							
Female	4,236	28.4	26.4	30.5	29.6	27.3	31.9
Male	3,043	14.7	13.0	16.4	14.7	12.9	16.5
<b>RACE</b>							
African-American	658	17.7	13.7	21.6	17.6	13.7	21.5
Other	454	27.2	20.3	34.1	27.1	21.1	33.0
White	6,167	21.8	20.4	23.3	22.3	20.7	24.0
<b>EDUCATION</b>							
< High School	681	29.4	23.9	34.9	29.9	24.2	35.7
High School	2,399	19.6	17.3	21.8	19.9	17.2	22.6
High School +	4,170	21.5	19.7	23.2	21.8	20.0	23.6
<b>INCOME</b>							
<\$15,000	749	39.6	34.4	44.8	39.4	34.0	44.8
\$15,000-24,999	978	30.6	26.0	35.2	32.7	27.7	37.7
\$25,000-34,999	702	22.6	18.3	26.9	25.5	20.1	30.9
\$35,000-49,999	911	19.2	15.6	22.9	19.0	15.2	22.8
\$50,000-74,999	926	18.3	14.7	21.9	18.7	14.9	22.6
\$75,000+	1,552	14.0	11.7	16.4	13.5	11.1	15.9

Definition: “Yes” response to the question “(Ever told) you have a depressive disorder (including depression, major depression, dysthymia, or minor depression)?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 15 Chronic Diseases

**Table 15.11 Ever been told by a health professional that they had kidney disease**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,269	2.7	2.2	3.3	2.6	2.0	3.1
<b>REGION</b>							
Central	674	1.6	0.0	3.1	2.0	0.0	4.2
Kansas City Metro	1,538	3.3	2.2	4.4	2.9	1.9	3.9
Northeast	621	3.1	1.8	4.4	2.6	1.4	3.7
Northwest	600	3.1	1.4	4.9	3.0	1.2	4.8
Southeast	1,189	4.0	2.4	5.5	3.8	2.1	5.6
Southwest	655	3.7	1.8	5.6	3.5	1.6	5.4
St. Louis Metro	1,992	2.0	1.3	2.7	1.8	1.1	2.5
<b>GENDER</b>							
Female	4,228	3.1	2.4	3.8	2.8	2.1	3.5
Male	3,041	2.3	1.6	3.1	2.3	1.5	3.0
<b>RACE</b>							
African-American	655	2.4	1.2	3.6	2.3	1.2	3.4
Other	455	2.9	0.7	5.1	3.5	1.5	5.5
White	6,159	2.8	2.2	3.3	2.6	2.0	3.2
<b>EDUCATION</b>							
< High School	680	3.6	1.6	5.6	3.3	1.2	5.3
High School	2,395	3.1	2.2	4.1	2.9	1.7	4.2
High School +	4,166	2.4	1.8	2.9	2.3	1.7	2.9
<b>INCOME</b>							
<\$15,000	748	5.0	2.6	7.4	5.0	2.6	7.4
\$15,000-24,999	973	3.6	1.6	5.6	3.8	1.4	6.3
\$25,000-34,999	698	2.8	1.3	4.2	2.6	0.8	4.3
\$35,000-49,999	909	2.0	1.1	2.9	1.7	1.0	2.5
\$50,000-74,999	924	2.0	1.1	2.9	1.8	1.0	2.7
\$75,000+	1,553	1.4	0.8	2.1	1.5	0.8	2.2

Definition: "Yes" response to the question "(Ever told) you have kidney disease? Do NOT include kidney stones, bladder infection or incontinence."

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 15 Chronic Diseases

**Table 15.12 Ever been told by a health professional that they had diabetes**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,297	11.5	10.5	12.4	10.5	9.6	11.4
<b>REGION</b>							
Central	678	12.8	9.8	15.9	12.9	9.3	16.5
Kansas City Metro	1,540	10.7	9.0	12.5	9.8	8.2	11.3
Northeast	623	12.1	9.3	14.9	10.0	7.7	12.4
Northwest	602	11.7	8.5	15.0	10.5	7.7	13.4
Southeast	1,195	16.1	13.4	18.8	14.4	11.7	17.2
Southwest	660	10.2	7.5	12.8	9.4	6.7	12.2
St. Louis Metro	1,999	10.6	9.0	12.3	9.7	8.2	11.2
<b>GENDER</b>							
Female	4,247	10.7	9.5	11.9	10.0	8.7	11.3
Male	3,050	12.3	10.9	13.7	11.3	10.0	12.5
<b>RACE</b>							
African-American	657	16.0	12.4	19.6	15.9	12.6	19.2
Other	457	11.4	7.5	15.2	16.6	12.2	21.1
White	6,183	10.9	9.9	11.8	9.6	8.6	10.5
<b>EDUCATION</b>							
< High School	686	16.8	13.3	20.3	14.2	11.0	17.4
High School	2,407	12.4	10.8	14.0	10.6	9.0	12.2
High School +	4,175	9.8	8.6	10.9	9.6	8.4	10.7
<b>INCOME</b>							
<\$15,000	757	19.7	16.0	23.4	19.8	16.1	23.6
\$15,000-24,999	980	14.7	11.8	17.6	13.5	10.5	16.5
\$25,000-34,999	700	12.9	9.8	15.9	10.8	7.3	14.4
\$35,000-49,999	912	10.4	8.1	12.7	8.9	6.9	10.9
\$50,000-74,999	924	12.1	9.2	15.0	11.1	8.2	13.9
\$75,000+	1,553	6.9	5.3	8.5	7.0	5.4	8.6

Definition: "Yes" response to the question "(Ever told) you have diabetes?" If "Yes" and respondent is female, ask: "Was this only when you were pregnant?" If respondent says pre-diabetes or borderline diabetes, use response code 4. 1) Yes; 2) Yes, but female told only during pregnancy; 3) No; 4) No, pre-diabetes or borderline diabetes.

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 16 Age at Diabetic Diagnosis

**Table 16.1 Told they had diabetes at age 18-44 among adults with diabetes**

*Prevalence With 95% Confidence Intervals (CI)*

		<i>Prevalence</i>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	1,060	33.2	28.7	37.6
<b>REGION</b>				
Central	107	35.2	20.9	49.6
Kansas City Metro	209	29.3	20.8	37.8
Northeast	100	21.8	10.3	33.3
Northwest	89	27.3	13.4	41.2
Southeast	220	36.8	26.9	46.6
Southwest	80	33.4	18.8	47.9
St. Louis Metro	255	35.4	27.2	43.6
<b>GENDER</b>				
Female	554	37.7	31.0	44.4
Male	506	29.2	23.3	35.1
<b>RACE</b>				
African-American	133	45.3	32.0	58.7
Other	74	51.0	32.5	69.5
White	853	29.2	24.6	33.8
<b>EDUCATION</b>				
< High School	147	33.4	21.3	45.6
High School	410	29.3	22.7	36.0
High School +	502	36.0	29.3	42.6
<b>INCOME</b>				
<\$15,000	177	48.4	37.6	59.2
\$15,000-24,999	197	27.2	16.0	38.4
\$25,000-34,999	121	30.8	17.1	44.5
\$35,000-49,999	125	31.6	20.2	43.0
\$50,000-74,999	133	30.6	17.4	43.8
\$75,000+	124	40.1	27.0	53.2

Definition: “Yes” response to “Have you ever been told by a doctor you have diabetes?” AND “18-44 years old” response to “How old were you when you were told you have diabetes?”



**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 16 Age at Diabetic Diagnosis**

**Table 16.2 Told they had diabetes at age 45-64 among adults with diabetes**

*Prevalence with 95% Confidence Intervals (CI)*

		<i>Prevalence</i>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	1,060	51.9	47.6	56.3
<b>REGION</b>				
Central	107	48.7	36.0	61.4
Kansas City Metro	209	54.7	45.8	63.5
Northeast	100	55.3	42.9	67.7
Northwest	89	54.6	40.3	68.9
Southeast	220	49.3	39.8	58.8
Southwest	80	49.3	35.0	63.6
St. Louis Metro	255	53.2	45.0	61.4
<b>GENDER</b>				
Female	554	47.4	41.1	53.6
Male	506	56.0	50.1	61.9
<b>RACE</b>				
African-American	133	45.1	32.6	57.5
Other	74	34.8	19.5	50.0
White	853	54.9	50.2	59.6
<b>EDUCATION</b>				
< High School	147	45.4	34.1	56.7
High School	410	53.1	46.5	59.7
High School +	502	53.4	46.9	59.9
<b>INCOME</b>				
<\$15,000	177	41.1	31.0	51.2
\$15,000-24,999	197	53.9	42.9	64.8
\$25,000-34,999	121	46.6	33.6	59.5
\$35,000-49,999	125	60.6	49.0	72.1
\$50,000-74,999	133	59.4	46.7	72.0
\$75,000+	124	52.9	40.2	65.6

Definition: “Yes” response to “Have you ever been told by a doctor you have diabetes?” AND “45-64 years old” response to “How old were you when you were told you have diabetes?”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 16 Age at Diabetic Diagnosis**

**Table 16.3 Told they had diabetes at age 65 or older among adults with diabetes**

*Prevalence with 95% Confidence Intervals (CI)*

		<i>Prevalence</i>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	1,060	14.9	12.4	17.4
<b>REGION</b>				
Central	107	16.0	8.3	23.7
Kansas City Metro	209	16.0	10.6	21.5
Northeast	100	22.8	14.4	31.2
Northwest	89	18.2	8.7	27.6
Southeast	220	13.9	8.5	19.4
Southwest	80	17.4	9.0	25.8
St. Louis Metro	255	11.4	7.0	15.8
<b>GENDER</b>				
Female	554	15.0	11.6	18.4
Male	506	14.8	11.1	18.5
<b>RACE</b>				
African-American	133	9.6	3.7	15.5
Other	74	14.2	3.0	25.4
White	853	16.0	13.1	18.8
<b>EDUCATION</b>				
< High School	147	21.1	13.1	29.1
High School	410	17.5	13.3	21.8
High School +	502	10.6	7.5	13.8
<b>INCOME</b>				
<\$15,000	177	10.5	4.7	16.4
\$15,000-24,999	197	19.0	11.9	26.0
\$25,000-34,999	121	22.7	13.3	32.0
\$35,000-49,999	125	7.8	3.6	12.0
\$50,000-74,999	133	10.0	4.0	16.1
\$75,000+	124	7.1	2.3	11.8

Definition: Age 65 and older: “Yes” response to “Have you ever been told by a doctor you have diabetes?” AND “65 years or older” response to “How old were you when you were told you have diabetes?”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 17 Arthritis Burden and Management**

**Table 17.1 Limited in usual activities because of arthritis or joint symptoms**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	2,614	54.6	51.8	57.4	60.2	54.9	65.5
<b>REGION</b>							
Central	234	59.3	51.2	67.4	61.3	49.0	73.7
Kansas City Metro	516	48.5	42.7	54.3	58.6	50.9	66.4
Northeast	254	52.9	45.2	60.7	57.3	44.6	69.9
Northwest	215	55.9	46.9	64.9	52.9	42.3	63.5
Southeast	491	57.9	51.7	64.2	57.1	46.4	67.8
Southwest	257	59.0	51.1	66.9	55.4	44.0	66.9
St. Louis Metro	647	53.1	47.7	58.5	65.2	58.4	72.1
<b>GENDER</b>							
Female	1,662	58.2	54.7	61.7	67.9	63.4	72.4
Male	952	49.6	45.2	54.1	49.3	39.7	58.9
<b>RACE</b>							
African-American	230	50.2	40.7	59.7	36.2	24.7	47.7
Other	131	72.3	61.1	83.6	75.7	68.2	83.3
White	2,253	54.0	51.1	56.9	59.3	53.4	65.1
<b>EDUCATION</b>							
< High School	308	64.2	56.0	72.5	68.8	59.7	77.9
High School	947	55.5	51.0	60.0	58.1	49.6	66.6
High School +	1,355	51.2	47.4	54.9	41.8	37.6	46.0
<b>INCOME</b>							
<\$15,000	354	77.3	71.3	83.2	80.3	73.7	86.9
\$15,000-24,999	432	66.5	59.9	73.1	77.0	71.3	82.7
\$25,000-34,999	269	53.7	45.2	62.2	54.4	41.8	67.1
\$35,000-49,999	313	53.7	46.2	61.1	55.1	42.9	67.2
\$50,000-74,999	299	40.3	32.3	48.3	59.0	51.7	66.4
\$75,000+	396	43.8	37.0	50.5	33.6	26.2	41.0

Definition: “Yes” responses to the question “(Ever told) you have some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia?” AND “Arthritis can cause symptoms like pain, aching, or stiffness in or around a joint. Are you now limited in any way in any of your usual activities because of arthritis or joint symptoms?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 17 Arthritis Burden and Management

**Table 17.2 Arthritis or joint symptoms affected ability to work**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	2,597	35.8	33.0	38.7	43.0	36.9	49.1
<b>REGION</b>							
Central	233	38.0	29.3	46.7	39.7	26.3	53.1
Kansas City Metro	511	27.9	22.7	33.2	35.3	25.7	44.9
Northeast	250	35.1	27.6	42.6	42.8	30.1	55.5
Northwest	213	42.6	33.3	51.9	45.2	33.2	57.2
Southeast	488	39.7	33.8	45.6	42.0	34.6	49.4
Southwest	256	40.0	31.8	48.3	42.8	31.3	54.4
St. Louis Metro	646	35.5	29.7	41.2	47.4	37.7	57.2
<b>GENDER</b>							
Female	1,651	38.1	34.4	41.9	48.4	41.7	55.2
Male	946	32.6	28.4	36.9	35.8	26.1	45.5
<b>RACE</b>							
African-American	227	43.4	34.0	52.9	32.4	20.9	43.8
Other	129	52.6	35.7	69.4	57.7	47.8	67.5
White	2,241	33.8	30.9	36.8	40.4	34.1	46.7
<b>EDUCATION</b>							
< High School	306	53.2	44.3	62.1	59.9	49.8	70.1
High School	945	37.6	33.0	42.2	36.4	28.0	44.7
High School +	1,342	29.5	26.0	33.0	24.2	20.3	28.0
<b>INCOME</b>							
<\$15,000	350	63.2	56.1	70.2	60.8	52.9	68.7
\$15,000-24,999	425	50.7	42.7	58.8	53.9	47.0	60.8
\$25,000-34,999	270	31.0	22.4	39.5	35.5	20.7	50.2
\$35,000-49,999	312	35.3	27.9	42.7	42.5	29.6	55.3
\$50,000-74,999	296	26.9	18.5	35.4	42.0	31.6	52.3
\$75,000+	396	22.1	16.3	27.8	14.9	9.3	20.4

Definition: “Yes” responses to the question “(Ever told) you have some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia?” AND “Do arthritis or joint symptoms now affect whether you work, the type of work you do, or the amount of work you do? (Note: Work refers to work for pay)”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 17 Arthritis Burden and Management

**Table 17.3.1 Arthritis or joint symptoms interfered with social activities a lot in past 30 days**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	2,603	20.2	17.9	22.5	24.1	18.8	29.4
<b>REGION</b>							
Central	234	17.0	10.8	23.3	16.4	8.1	24.8
Kansas City Metro	511	18.7	14.0	23.5	25.3	16.3	34.3
Northeast	253	18.9	12.9	24.9	16.1	6.9	25.3
Northwest	214	24.0	15.7	32.3	22.8	12.2	33.4
Southeast	490	27.0	21.9	32.1	23.1	16.7	29.5
Southwest	255	18.4	12.0	24.9	19.6	9.1	30.1
St. Louis Metro	646	20.3	15.8	24.8	29.1	21.6	36.6
<b>GENDER</b>							
Female	1,654	23.4	20.3	26.5	28.5	21.9	35.1
Male	949	15.7	12.5	19.0	16.5	9.0	24.0
<b>RACE</b>							
African-American	230	26.8	19.0	34.5	18.3	10.9	25.8
Other	128	19.8	9.6	29.9	18.3	9.7	26.8
White	2,245	19.4	17.0	21.9	25.9	19.9	31.9
<b>EDUCATION</b>							
< High School	302	22.2	16.2	28.2	27.6	18.5	36.6
High School	943	23.3	19.2	27.3	20.8	14.6	26.9
High School +	1,354	17.5	14.5	20.5	16.0	12.5	19.5
<b>INCOME</b>							
<\$15,000	350	46.5	39.1	54.0	45.2	36.4	54.0
\$15,000-24,999	431	26.4	19.8	33.1	24.7	17.4	32.1
\$25,000-34,999	268	14.9	9.3	20.5	22.5	8.8	36.2
\$35,000-49,999	313	13.9	8.9	18.9	22.0	12.4	31.5
\$50,000-74,999	298	15.2	8.1	22.2	28.7	16.3	41.1
\$75,000+	398	11.1	6.0	16.2	8.3	3.3	13.3

Definition: “Yes” response to the question “(Ever told) you have some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia?” AND “A lot” response to the question “During the past 30 days, to what extent has your arthritis or joint symptoms interfered with your normal social activities, such as going shopping, to the movies or to religious or social gatherings: A lot, A little, Not at all?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 17 Arthritis Burden and Management

**Table 17.3.2 Arthritis or joint symptoms interfered with social activities a little in past 30 days**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	2,603	25.0	22.3	27.6	26.4	21.1	31.8
<b>REGION</b>							
Central	234	29.5	20.6	38.3	38.3	25.8	50.8
Kansas City Metro	511	21.7	17.0	26.3	22.8	13.8	31.7
Northeast	253	26.2	19.5	33.0	25.4	12.5	38.4
Northwest	214	22.2	14.9	29.5	13.4	9.1	17.7
Southeast	490	21.3	16.2	26.4	25.7	15.1	36.4
Southwest	255	26.8	19.4	34.1	27.0	14.5	39.6
St. Louis Metro	646	25.9	20.4	31.5	25.7	16.9	34.6
<b>GENDER</b>							
Female	1,654	27.3	23.7	31.0	29.2	22.0	36.4
Male	949	21.7	18.0	25.5	23.4	16.1	30.7
<b>RACE</b>							
African-American	230	23.2	14.2	32.3	14.8	7.3	22.2
Other	128	47.3	29.6	65.1	52.7	43.5	61.9
White	2,245	23.7	21.1	26.3	22.2	17.6	26.8
<b>EDUCATION</b>							
< High School	302	35.9	25.6	46.1	34.6	25.8	43.5
High School	943	24.0	19.9	28.1	27.0	19.1	35.0
High School +	1,354	22.5	19.5	25.5	16.9	14.0	19.8
<b>INCOME</b>							
<\$15,000	350	27.1	19.8	34.3	36.6	27.9	45.4
\$15,000-24,999	431	36.2	27.5	45.0	49.4	40.1	58.8
\$25,000-34,999	268	31.5	22.8	40.2	27.5	16.3	38.7
\$35,000-49,999	313	23.4	17.1	29.6	19.9	11.7	28.0
\$50,000-74,999	298	20.1	12.9	27.4	20.1	9.1	31.1
\$75,000+	398	17.3	12.7	21.9	13.1	8.2	18.0

Definition: “Yes” response to the question “(Ever told) you have some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia?” AND “A little” response to the question “During the past 30 days, to what extent has your arthritis or joint symptoms interfered with your normal social activities, such as going shopping, to the movies or to religious or social gatherings: A lot, A little, Not at all?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 17 Arthritis Burden and Management

**Table 17.3.3 Arthritis or joint symptoms did not interfere at all with social activities in past 30 days**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	2,603	54.8	52.0	57.7	49.5	43.6	55.3
<b>REGION</b>							
Central	234	53.5	44.8	62.2	45.3	33.8	56.8
Kansas City Metro	511	59.6	53.9	65.4	52.0	42.5	61.4
Northeast	253	54.9	47.2	62.7	58.5	43.0	73.9
Northwest	214	53.8	44.7	63.0	63.8	53.2	74.4
Southeast	490	51.7	45.5	57.9	51.2	39.3	63.1
Southwest	255	54.8	46.6	63.0	53.4	41.7	65.2
St. Louis Metro	646	53.8	48.2	59.4	45.2	35.0	55.4
<b>GENDER</b>							
Female	1,654	49.3	45.6	52.9	42.3	35.9	48.7
Male	949	62.6	58.2	66.9	60.1	50.6	69.6
<b>RACE</b>							
African-American	230	50.0	40.5	59.5	66.9	57.4	76.5
Other	128	32.9	18.9	46.9	29.1	19.8	38.4
White	2,245	56.9	53.9	59.8	51.9	45.8	58.1
<b>EDUCATION</b>							
< High School	302	42.0	33.3	50.7	37.8	27.3	48.3
High School	943	52.7	48.1	57.4	52.2	43.7	60.7
High School +	1,354	60.0	56.3	63.6	50.2	46.2	54.1
<b>INCOME</b>							
<\$15,000	350	26.4	20.1	32.7	18.2	13.4	23.0
\$15,000-24,999	431	37.3	30.4	44.3	25.9	19.2	32.5
\$25,000-34,999	268	53.7	45.0	62.3	50.0	35.8	64.2
\$35,000-49,999	313	62.8	55.6	69.9	58.1	45.9	70.4
\$50,000-74,999	298	64.7	56.2	73.3	51.3	41.0	61.5
\$75,000+	398	71.7	65.5	77.8	61.6	54.8	68.4

Definition: “Yes” response to the question “(Ever told) you have some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia?” AND “Not at all” response to the question “During the past 30 days, to what extent has your arthritis or joint symptoms interfered with your normal social activities, such as going shopping, to the movies or to religious or social gatherings: A lot, A little, Not at all?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 17 Arthritis Burden and Management

**Table 17.4.1 Joint pain was 7 or greater on a scale of 0 - 10 with 10 being the worse Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)**

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	2,562	30.1	27.5	32.8	34.9	28.9	40.8
<b>REGION</b>							
Central	227	25.7	18.3	33.1	25.7	16.4	35.1
Kansas City Metro	506	26.0	20.4	31.5	36.9	26.6	47.2
Northeast	247	31.2	24.0	38.5	27.0	14.4	39.6
Northwest	209	28.5	20.1	36.9	31.6	18.7	44.6
Southeast	487	37.0	31.0	43.1	39.9	28.3	51.5
Southwest	250	30.9	23.2	38.7	30.5	17.7	43.4
St. Louis Metro	636	31.2	26.2	36.2	40.1	32.9	47.3
<b>GENDER</b>							
Female	1,627	32.9	29.5	36.4	36.9	29.5	44.3
Male	935	26.2	22.1	30.2	30.6	21.8	39.4
<b>RACE</b>							
African-American	225	46.1	36.6	55.7	50.2	39.8	60.7
Other	129	41.1	25.2	56.9	38.4	25.5	51.3
White	2,208	27.5	24.8	30.2	33.6	27.3	39.9
<b>EDUCATION</b>							
< High School	299	47.9	38.6	57.1	53.7	42.4	65.1
High School	921	32.1	27.6	36.5	26.4	20.8	32.0
High School +	1,338	23.7	20.5	26.9	21.4	17.6	25.3
<b>INCOME</b>							
<\$15,000	344	63.7	56.9	70.5	58.9	50.1	67.7
\$15,000-24,999	422	42.6	34.8	50.4	50.3	39.9	60.8
\$25,000-34,999	262	28.8	20.9	36.7	34.8	19.7	49.9
\$35,000-49,999	307	19.9	13.4	26.3	25.0	12.5	37.5
\$50,000-74,999	299	20.4	12.9	28.0	39.5	27.6	51.3
\$75,000+	395	12.1	7.4	16.9	9.4	4.6	14.2

Definition: “Yes” response to the question “(Ever told) you have some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia?” AND “7, 8, 9, or 10” response to “Please think about the past 30 days, keeping in mind all of your joint pain or aching and whether or not you have taken medication. During the past 30 days, how bad was your joint pain ON AVERAGE? Please answer on a scale of 0 to 10 where 0 is no pain or aching and 10 is pain or aching as bad as it can be.”



# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 17 Arthritis Burden and Management

**Table 17.4.2 Joint pain was 1-6 on a scale of 0 - 10 with 10 being the worse Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)**

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	2,562	64.6	61.9	67.3	60.9	54.9	67.0
<b>REGION</b>							
Central	227	71.2	63.6	78.7	72.8	63.4	82.2
Kansas City Metro	506	65.7	59.7	71.7	55.0	44.2	65.7
Northeast	247	61.4	53.7	69.1	65.8	52.0	79.7
Northwest	209	67.0	58.4	75.6	65.9	52.9	78.9
Southeast	487	57.3	51.1	63.5	55.1	43.2	66.9
Southwest	250	65.6	57.7	73.4	66.9	53.9	79.8
St. Louis Metro	636	63.9	58.7	69.0	57.1	49.8	64.3
<b>GENDER</b>							
Female	1,627	62.2	58.7	65.7	59.5	52.0	67.1
Male	935	67.9	63.6	72.2	63.6	54.1	73.2
<b>RACE</b>							
African-American	225	45.2	35.6	54.9	37.4	25.0	49.7
Other	129	55.6	39.3	71.9	58.8	45.7	71.8
White	2,208	67.5	64.7	70.2	62.9	56.6	69.2
<b>EDUCATION</b>							
< High School	299	48.6	39.2	58.0	43.0	31.5	54.6
High School	921	60.7	56.1	65.4	66.2	59.8	72.6
High School +	1,338	71.8	68.5	75.1	58.2	54.3	62.1
<b>INCOME</b>							
<\$15,000	344	33.3	26.7	39.9	39.1	30.3	47.9
\$15,000-24,999	422	55.2	47.3	63.2	48.2	37.8	58.7
\$25,000-34,999	262	67.4	59.2	75.5	60.6	45.3	75.9
\$35,000-49,999	307	75.3	68.5	82.0	72.1	59.5	84.7
\$50,000-74,999	299	75.0	67.3	82.6	57.4	45.5	69.3
\$75,000+	395	80.8	75.5	86.1	68.2	63.0	73.4

Definition: "Yes" response to the question "(Ever told) you have some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia?" AND "1, 2, 3, 4 or 6" response to "Please think about the past 30 days, keeping in mind all of your joint pain or aching and whether or not you have taken medication. During the past 30 days, how bad was your joint pain ON AVERAGE? Please answer on a scale of 0 to 10 where 0 is no pain or aching and 10 is pain or aching as bad as it can be."

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 17 Arthritis Burden and Management

**Table 17.4.3 Joint pain was 0 on a scale of 0 - 10 with 10 being the worse**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	2,562	5.3	4.2	6.5	4.2	2.4	6.0
<b>REGION</b>							
Central	227	3.1	0.9	5.3	1.5	0.4	2.6
Kansas City Metro	506	8.3	4.2	12.4	8.1	1.2	15.1
Northeast	247	7.4	2.9	11.9	7.2	0.1	14.2
Northwest	209	4.5	1.8	7.2	2.5	1.0	3.9
Southeast	487	5.7	2.6	8.8	5.1	0.5	9.7
Southwest	250	3.5	1.4	5.6	2.6	0.6	4.7
St. Louis Metro	636	4.9	3.1	6.7	2.8	1.6	4.0
<b>GENDER</b>							
Female	1,627	4.9	3.7	6.1	3.6	2.1	5.0
Male	935	5.9	3.7	8.2	5.8	1.3	10.4
<b>RACE</b>							
African-American	225	8.6	1.5	15.8	12.4	2.4	22.4
Other	129	3.4	0.0	7.2	2.8	0.0	6.0
White	2,208	5.1	4.0	6.1	3.5	2.3	4.8
<b>EDUCATION</b>							
< High School	299	3.5	1.0	6.1	3.3	0.0	6.5
High School	921	7.2	4.5	9.9	7.4	2.6	12.3
High School +	1,338	4.5	3.4	5.7	3.3	2.5	4.2
<b>INCOME</b>							
<\$15,000	344	3.0	0.4	5.7	2.0	0.3	3.7
\$15,000-24,999	422	2.2	1.0	3.4	1.4	0.6	2.3
\$25,000-34,999	262	3.9	0.9	6.8	4.6	0.0	9.5
\$35,000-49,999	307	4.9	2.0	7.8	2.9	1.3	4.6
\$50,000-74,999	299	4.6	2.2	7.1	3.1	1.6	4.7
\$75,000+	395	7.1	4.2	9.9	5.3	3.2	7.5

Definition: "Yes" response to the question "(Ever told) you have some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia?" AND "0" response to "Please think about the past 30 days, keeping in mind all of your joint pain or aching and whether or not you have taken medication. During the past 30 days, how bad was your joint pain ON AVERAGE? Please answer on a scale of 0 to 10 where 0 is no pain or aching and 10 is pain or aching as bad as it can be."

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 17 Arthritis Burden and Management

**Table 17.5.1 Could do most or everything they would like to do**

Prevalence with 95% Confidence Intervals (CI)

		Prevalence		
Demographic	Sample Size	%	Lower CI	Upper CI
OVERALL	2,486	64.6	61.9	67.4
<b>REGION</b>				
Central	224	66.0	57.8	74.2
Kansas City Metro	457	71.9	66.2	77.5
Northeast	248	65.2	57.9	72.5
Northwest	210	57.9	48.6	67.2
Southeast	479	53.6	47.4	59.8
Southwest	236	62.2	53.8	70.6
St. Louis Metro	632	66.5	61.4	71.6
<b>GENDER</b>				
Female	1,595	63.0	59.4	66.5
Male	891	67.0	62.7	71.2
<b>RACE</b>				
African-American	222	52.1	42.8	61.4
Other	121	68.8	55.4	82.2
White	2,143	65.9	63.0	68.7
<b>EDUCATION</b>				
< High School	291	53.8	44.7	62.9
High School	912	61.8	57.2	66.5
High School +	1,279	69.8	66.3	73.4
<b>INCOME</b>				
<\$15,000	333	29.7	22.5	36.9
\$15,000-24,999	412	55.3	47.2	63.4
\$25,000-34,999	255	62.5	53.8	71.2
\$35,000-49,999	305	68.8	61.9	75.7
\$50,000-74,999	282	76.6	69.0	84.2
\$75,000+	364	82.4	76.7	88.2

Definition: “Yes” response to the question “(Ever told) you have some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia?” AND “Can do everything” AND “Can do most things I would like to do” responses to “Earlier you indicated that you had arthritis or joint symptoms. Think about your arthritis or joint symptoms, which of the following best describes you today?” I can do everything I would like to do. I can do most things I would like to do. I can do some things I would like to do. I can hardly do anything I would like to do”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 17 Arthritis Burden and Management**

**Table 17.5.2 Could do some things they would like to do**

*Prevalence with 95% Confidence Intervals (CI)*

		<i>Prevalence</i>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	2,486	24.9	22.4	27.4
<b>REGION</b>				
Central	224	21.7	15.2	28.2
Kansas City Metro	457	19.3	14.7	24.0
Northeast	248	24.8	18.1	31.4
Northwest	210	36.1	26.9	45.4
Southeast	479	29.1	23.6	34.5
Southwest	236	28.9	20.9	36.9
St. Louis Metro	632	24.1	19.4	28.8
<b>GENDER</b>				
Female	1,595	24.7	21.5	27.8
Male	891	25.2	21.3	29.1
<b>RACE</b>				
African-American	222	33.3	24.8	41.8
Other	121	25.4	13.5	37.3
White	2,143	23.9	21.3	26.5
<b>EDUCATION</b>				
< High School	291	31.5	23.7	39.4
High School	912	24.4	20.5	28.4
High School +	1,279	23.3	19.9	26.7
<b>INCOME</b>				
<\$15,000	333	44.3	36.8	51.9
\$15,000-24,999	412	32.1	24.6	39.5
\$25,000-34,999	255	28.3	20.4	36.3
\$35,000-49,999	305	24.0	17.9	30.2
\$50,000-74,999	282	20.3	12.7	27.8
\$75,000+	364	12.2	7.4	16.9

Definition: “Yes” response to the question “(Ever told) you have some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia?” AND “Can do some things” response to “Earlier you indicated that you had arthritis or joint symptoms. Think about your arthritis or joint symptoms, which of the following best describes you today?” I can do everything I would like to do. I can do most things I would like to do. I can do some things I would like to do. I can hardly do anything I would like to do”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 17 Arthritis Burden and Management

**Table 17.5.3 Could hardly do anything they would like to do**

Prevalence with 95% Confidence Intervals (CI)

		Prevalence		
Demographic	Sample Size	%	Lower CI	Upper CI
OVERALL	2,486	10.5	8.8	12.2
<b>REGION</b>				
Central	224	12.3	5.7	18.9
Kansas City Metro	457	8.8	4.7	12.9
Northeast	248	10.0	5.7	14.4
Northwest	210	6.0	2.5	9.5
Southeast	479	17.4	13.2	21.5
Southwest	236	8.9	4.2	13.6
St. Louis Metro	632	9.4	6.5	12.3
<b>GENDER</b>				
Female	1,595	12.4	9.9	14.8
Male	891	7.8	5.6	10.1
<b>RACE</b>				
African-American	222	14.6	8.2	21.0
Other	121	5.8	1.3	10.3
White	2,143	10.3	8.4	12.1
<b>EDUCATION</b>				
< High School	291	14.7	9.4	20.0
High School	912	13.7	10.3	17.2
High School +	1,279	6.9	5.1	8.7
<b>INCOME</b>				
<\$15,000	333	25.9	19.6	32.3
\$15,000-24,999	412	12.6	8.5	16.8
\$25,000-34,999	255	9.2	3.3	15.0
\$35,000-49,999	305	7.2	2.7	11.7
\$50,000-74,999	282	3.2	1.2	5.1
\$75,000+	364	5.4	1.7	9.1

Definition: “Yes” response to the question “(Ever told) you have some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia?” AND “Can hardly do anything” response to “Earlier you indicated that you had arthritis or joint symptoms. Think about your arthritis or joint symptoms, which of the following best describes you today?” I can do everything I would like to do. I can do most things I would like to do. I can do some things I would like to do. I can hardly do anything I would like to do”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 17 Arthritis Burden and Management

**Table 17.6 Doctor suggested losing weight to help with arthritis or joint symptoms**

Prevalence with 95% Confidence Intervals (CI)

		Prevalence		
Demographic	Sample Size	%	Lower CI	Upper CI
OVERALL	2,487	37.4	34.6	40.2
<b>REGION</b>				
Central	224	37.2	28.9	45.6
Kansas City Metro	455	36.8	30.7	43.0
Northeast	249	39.6	31.8	47.3
Northwest	209	33.4	24.7	42.0
Southeast	482	31.1	25.7	36.4
Southwest	236	38.2	29.7	46.6
St. Louis Metro	632	40.0	34.7	45.3
<b>GENDER</b>				
Female	1,593	39.2	35.6	42.9
Male	894	34.9	30.6	39.2
<b>RACE</b>				
African-American	221	40.1	30.7	49.5
Other	121	37.1	20.9	53.2
White	2,145	37.1	34.2	40.0
<b>EDUCATION</b>				
< High School	293	27.0	19.6	34.4
High School	915	33.4	29.0	37.9
High School +	1,275	43.4	39.5	47.2
<b>INCOME</b>				
<\$15,000	334	38.5	31.2	45.7
\$15,000-24,999	410	36.5	28.9	44.2
\$25,000-34,999	258	38.2	29.5	46.8
\$35,000-49,999	305	37.5	30.2	44.8
\$50,000-74,999	282	51.1	42.9	59.4
\$75,000+	361	39.2	32.2	46.2

Definition: “Yes” responses to the question “(Ever told) you have some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia?” AND “Has a doctor or other health professional EVER suggested losing weight to help your arthritis or joint symptoms?”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 17 Arthritis Burden and Management**

**Table 17.7 Doctor suggested physical activity or exercise to help with arthritis or joint symptoms**

*Prevalence with 95% Confidence Intervals (CI)*

		<b>Prevalence</b>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	2,471	57.8	54.9	60.7
<b>REGION</b>				
Central	221	52.6	43.7	61.5
Kansas City Metro	453	61.3	55.3	67.2
Northeast	249	60.3	52.9	67.6
Northwest	209	55.0	45.8	64.1
Southeast	478	50.3	44.0	56.7
Southwest	234	54.3	45.6	63.0
St. Louis Metro	627	62.2	56.6	67.7
<b>GENDER</b>				
Female	1,583	60.2	56.4	63.9
Male	888	54.4	49.9	59.0
<b>RACE</b>				
African-American	221	70.4	62.4	78.4
Other	120	54.2	35.0	73.4
White	2,130	56.5	53.5	59.5
<b>EDUCATION</b>				
< High School	291	48.1	38.8	57.4
High School	906	51.7	47.0	56.4
High School +	1,270	65.1	61.5	68.7
<b>INCOME</b>				
<\$15,000	332	58.1	50.5	65.7
\$15,000-24,999	409	50.2	41.7	58.6
\$25,000-34,999	256	52.4	43.7	61.0
\$35,000-49,999	303	67.0	60.3	73.6
\$50,000-74,999	281	65.8	58.4	73.2
\$75,000+	361	61.5	54.6	68.4

Definition: “Yes” responses to the question “(Ever told) you have some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia?” AND “Has a doctor or other health professional ever suggested physical activity or exercise to help you arthritis or joint symptoms?”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 17 Arthritis Burden and Management**

**Table 17.8 Had ever taken a class or course to learn how to manage arthritis or joint symptoms**

*Prevalence with 95% Confidence Intervals (CI)*

		<i>Prevalence</i>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	2,487	13.5	11.6	15.4
<b>REGION</b>				
Central	224	11.9	6.6	17.2
Kansas City Metro	454	15.2	9.9	20.5
Northeast	249	15.0	9.0	20.9
Northwest	210	18.2	10.7	25.8
Southeast	481	11.4	7.8	15.0
Southwest	236	11.7	6.5	16.8
St. Louis Metro	633	14.1	10.8	17.4
<b>GENDER</b>				
Female	1,595	15.8	13.3	18.3
Male	892	10.2	7.4	13.1
<b>RACE</b>				
African-American	220	20.1	11.5	28.6
Other	120	19.0	8.5	29.4
White	2,147	12.4	10.5	14.2
<b>EDUCATION</b>				
< High School	293	8.4	4.1	12.7
High School	917	10.6	7.6	13.7
High School +	1,273	17.1	14.4	19.9
<b>INCOME</b>				
<\$15,000	332	14.0	9.3	18.7
\$15,000-24,999	412	11.6	7.5	15.6
\$25,000-34,999	258	17.7	10.8	24.6
\$35,000-49,999	305	16.4	10.7	22.2
\$50,000-74,999	282	12.3	7.3	17.2
\$75,000+	361	11.5	7.5	15.4

Definition: “Yes” responses to the question “(Ever told) you have some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia?” AND “Have you EVER taken an educational course or class to teach you how to manage problems related to your arthritis or joint symptoms?”



# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 18 Hypertension Awareness

**Table 18.1 Ever been told by a doctor have high blood pressure**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	7,281	34.1	32.6	35.6	32.1	30.6	33.5
<b>REGION</b>							
Central	676	33.3	28.8	37.8	32.7	27.9	37.5
Kansas City Metro	1,536	32.2	29.3	35.1	30.4	27.7	33.1
Northeast	620	36.0	31.0	40.9	31.9	27.3	36.6
Northwest	602	37.7	32.3	43.0	35.6	31.2	40.0
Southeast	1,195	41.0	37.1	44.9	38.3	34.3	42.2
Southwest	656	35.3	30.7	40.0	32.3	27.7	36.9
St. Louis Metro	1,996	32.4	29.8	35.0	30.6	28.1	33.2
<b>GENDER</b>							
Female	4,240	31.2	29.3	33.0	28.1	26.3	29.8
Male	3,041	37.2	34.9	39.6	36.2	33.8	38.5
<b>RACE</b>							
African-American	657	38.3	33.2	43.3	39.0	34.3	43.6
Other	457	25.1	19.6	30.6	31.9	26.4	37.5
White	6,167	34.3	32.7	36.0	31.3	29.6	32.9
<b>EDUCATION</b>							
< High School	679	43.6	38.0	49.2	41.1	35.5	46.8
High School	2,399	36.6	33.9	39.2	32.0	29.3	34.8
High School +	4,175	30.8	29.0	32.7	30.3	28.5	32.1
<b>INCOME</b>							
<\$15,000	752	41.8	36.6	46.9	42.5	37.7	47.2
\$15,000-24,999	978	36.2	31.8	40.6	35.2	31.2	39.3
\$25,000-34,999	701	38.4	33.4	43.4	33.8	28.3	39.3
\$35,000-49,999	909	36.3	31.9	40.7	33.5	28.9	38.0
\$50,000-74,999	924	33.3	29.2	37.3	32.3	28.0	36.6
\$75,000+	1,554	27.3	24.4	30.1	27.5	24.8	30.1

Definition: "Yes" response to question "Have you EVER been told by a doctor, nurse or other health professional that you have high blood pressure? If "Yes" and respondent is female, ask: "Was this only when you were pregnant?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 18 Hypertension Awareness

**Table 18.2 Currently taking medication for high blood pressure**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	3,231	79.7	77.3	82.0	62.0	58.1	65.9
<b>REGION</b>							
Central	286	75.4	67.7	83.1	63.1	55.7	70.6
Kansas City Metro	641	80.6	75.9	85.3	58.1	51.2	64.9
Northeast	294	79.1	70.9	87.2	65.3	55.1	75.5
Northwest	291	77.7	70.3	85.1	66.0	56.0	75.9
Southeast	600	79.6	74.5	84.7	65.3	58.1	72.4
Southwest	293	79.0	71.9	86.2	65.4	53.3	77.5
St. Louis Metro	826	81.4	77.1	85.7	59.6	54.3	64.8
<b>GENDER</b>							
Female	1,821	84.5	81.7	87.2	67.4	60.5	74.4
Male	1,410	75.4	71.8	79.1	58.7	54.3	63.2
<b>RACE</b>							
African-American	360	82.8	75.6	89.9	61.9	55.5	68.3
Other	168	63.5	51.7	75.3	51.6	44.1	59.1
White	2,703	80.3	77.8	82.8	62.5	57.9	67.1
<b>EDUCATION</b>							
< High School	383	77.6	70.1	85.1	65.1	52.8	77.3
High School	1,167	84.6	81.2	88.0	68.5	61.1	75.8
High School +	1,673	77.1	73.8	80.4	59.3	55.5	63.0
<b>INCOME</b>							
<\$15,000	401	77.3	69.9	84.6	68.9	60.9	77.0
\$15,000-24,999	476	77.2	71.1	83.4	57.2	48.5	65.9
\$25,000-34,999	345	83.1	76.3	89.8	64.3	54.7	73.8
\$35,000-49,999	406	79.5	72.1	86.9	63.8	52.1	75.5
\$50,000-74,999	400	73.8	66.8	80.9	56.3	50.0	62.6
\$75,000+	522	79.6	74.5	84.7	62.4	56.2	68.5

Definition: “Yes” responses to the question “Have you ever been told by a doctor or other health professional that you have high blood pressure” AND “Are you currently taking medication for your high blood pressure?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 19 Actions to Control High Blood Pressure

**Table 19.1 Changing eating habits to help lower or control high blood pressure**

*Prevalence With 95% Confidence Intervals (CI)*

		<i>Prevalence</i>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	2,602	71.2	68.6	73.7
<b>REGION</b>				
Central	241	71.3	63.8	78.9
Kansas City Metro	481	71.5	66.1	76.9
Northeast	247	74.2	67.0	81.3
Northwest	232	68.7	60.3	77.1
Southeast	492	69.2	63.5	74.8
Southwest	239	68.0	60.0	75.9
St. Louis Metro	670	73.0	68.2	77.7
<b>GENDER</b>				
Female	1,477	70.5	67.1	73.9
Male	1,125	71.8	68.0	75.6
<b>RACE</b>				
African-American	272	93.4	90.1	96.7
Other	125	81.2	72.6	89.9
White	2,205	67.6	64.7	70.5
<b>EDUCATION</b>				
< High School	304	63.6	55.2	72.0
High School	937	70.1	65.9	74.3
High School +	1,355	74.2	70.9	77.5
<b>INCOME</b>				
<\$15,000	323	71.1	62.5	79.7
\$15,000-24,999	386	71.6	64.9	78.3
\$25,000-34,999	290	72.8	66.0	79.6
\$35,000-49,999	351	70.8	63.9	77.7
\$50,000-74,999	321	70.6	63.6	77.7
\$75,000+	416	73.7	68.0	79.4

Definition: “Yes” responses to the questions ”Have you ever been told by a doctor or other health professional that you have high blood pressure“ AND “(Are you) changing your eating habits (to help lower or control your high blood pressure)?”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 19 Actions to Control High Blood Pressure**

**Table 19.2 Cutting down on salt to help lower or control high blood pressure**

*Prevalence With 95% Confidence Intervals (CI)*

		<i>Prevalence</i>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	2,613	71.6	69.0	74.1
<b>REGION</b>				
Central	241	69.0	61.1	76.9
Kansas City Metro	487	71.4	65.8	76.9
Northeast	247	68.8	61.2	76.5
Northwest	236	67.8	59.5	76.0
Southeast	492	71.6	66.0	77.1
Southwest	238	67.1	58.8	75.4
St. Louis Metro	672	75.4	70.8	79.9
<b>GENDER</b>				
Female	1,485	71.2	67.7	74.7
Male	1,128	71.9	68.2	75.6
<b>RACE</b>				
African-American	271	81.4	75.0	87.7
Other	126	74.1	62.6	85.6
White	2,216	70.1	67.3	73.0
<b>EDUCATION</b>				
< High School	305	64.2	55.4	72.9
High School	940	73.9	70.0	77.9
High School +	1,362	72.3	68.9	75.6
<b>INCOME</b>				
<\$15,000	324	74.3	65.8	82.8
\$15,000-24,999	387	72.2	65.3	79.1
\$25,000-34,999	291	77.6	71.2	83.9
\$35,000-49,999	351	68.6	61.3	75.9
\$50,000-74,999	322	74.1	67.7	80.5
\$75,000+	418	73.0	67.5	78.6

Definition: “Yes” response to the questions ”Have you ever been told by a doctor or other health professional that you have high blood pressure“ AND “(Are you) cutting down on salt (to help lower or control your high blood pressure)?”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 19 Actions to Control High Blood Pressure**

**Table 19.3 Reducing alcohol use to help lower or control high blood pressure**

*Prevalence With 95% Confidence Intervals (CI)*

		<i>Prevalence</i>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	2,617	29.5	26.9	32.2
<b>REGION</b>				
Central	241	30.6	22.6	38.5
Kansas City Metro	489	28.9	23.4	34.4
Northeast	247	26.7	18.7	34.7
Northwest	237	28.0	20.2	35.8
Southeast	494	23.6	18.1	29.1
Southwest	239	23.9	16.0	31.8
St. Louis Metro	670	34.6	29.6	39.6
<b>GENDER</b>				
Female	1,487	25.2	21.7	28.7
Male	1,130	33.5	29.6	37.4
<b>RACE</b>				
African-American	271	40.5	32.5	48.5
Other	127	42.3	28.3	56.4
White	2,219	27.3	24.5	30.2
<b>EDUCATION</b>				
< High School	305	26.0	18.1	33.9
High School	942	27.7	23.6	31.8
High School +	1,364	31.8	28.1	35.5
<b>INCOME</b>				
<\$15,000	324	31.1	23.3	38.9
\$15,000-24,999	388	30.0	22.7	37.3
\$25,000-34,999	292	20.5	14.4	26.7
\$35,000-49,999	352	33.1	25.7	40.6
\$50,000-74,999	322	30.2	23.1	37.3
\$75,000+	417	34.6	28.2	41.0

Definition: “Yes” responses to the questions ”Have you ever been told by a doctor or other health professional that you have high blood pressure“ AND ”(Are you) reducing alcohol use (to help lower or control high blood pressure?)”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 19 Actions to Control High Blood Pressure**

**Table 19.4 Exercising to help lower or control high blood pressure**

*Prevalence With 95% Confidence Intervals (CI)*

		<i>Prevalence</i>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	2,612	63.3	60.6	66.0
<b>REGION</b>				
Central	241	67.4	59.8	75.0
Kansas City Metro	487	61.0	55.2	66.9
Northeast	246	67.6	60.3	75.0
Northwest	236	54.3	45.4	63.2
Southeast	492	56.1	49.9	62.4
Southwest	239	62.7	54.4	70.9
St. Louis Metro	671	66.4	61.4	71.4
<b>GENDER</b>				
Female	1,483	61.1	57.5	64.7
Male	1,129	65.4	61.4	69.3
<b>RACE</b>				
African-American	270	75.7	69.2	82.2
Other	127	73.4	63.0	83.8
White	2,215	61.1	58.1	64.1
<b>EDUCATION</b>				
< High School	303	60.8	52.4	69.2
High School	939	59.0	54.4	63.5
High School +	1,364	67.0	63.5	70.6
<b>INCOME</b>				
<\$15,000	324	58.9	50.3	67.6
\$15,000-24,999	388	63.8	57.1	70.5
\$25,000-34,999	291	64.0	56.4	71.6
\$35,000-49,999	352	59.1	51.5	66.6
\$50,000-74,999	322	63.9	56.1	71.6
\$75,000+	417	70.6	64.6	76.7

Definition: “Yes” responses to the questions ”Have you ever been told by a doctor or other health professional that you have high blood pressure“ AND ”(Are you) exercising (to help lower or control your high blood pressure)?”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 19 Actions to Control High Blood Pressure**

**Table 19.5 Advised by a doctor or healthcare professional to change eating habits to lower or control high blood pressure**

*Prevalence With 95% Confidence Intervals (CI)*

		<b>Prevalence</b>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	2,597	56.6	53.8	59.4
<b>REGION</b>				
Central	239	55.2	46.6	63.7
Kansas City Metro	485	56.0	50.1	62.0
Northeast	244	56.7	48.4	65.0
Northwest	235	58.1	49.4	66.7
Southeast	490	54.3	48.0	60.7
Southwest	237	54.1	45.6	62.5
St. Louis Metro	667	59.0	53.9	64.2
<b>GENDER</b>				
Female	1,479	54.0	50.3	57.6
Male	1,118	59.0	54.9	63.2
<b>RACE</b>				
African-American	269	71.1	63.8	78.5
Other	126	57.8	44.2	71.4
White	2,202	54.6	51.5	57.6
<b>EDUCATION</b>				
< High School	303	56.4	47.9	64.9
High School	931	55.5	50.9	60.0
High School +	1,357	57.5	53.8	61.3
<b>INCOME</b>				
<\$15,000	323	54.2	45.6	62.7
\$15,000-24,999	387	63.1	56.2	70.1
\$25,000-34,999	290	58.9	50.8	67.0
\$35,000-49,999	349	60.0	52.8	67.2
\$50,000-74,999	317	57.0	49.1	65.0
\$75,000+	417	57.1	50.5	63.7

Definition: “Yes” responses to the questions ”Have you ever been told by a doctor or other health professional that you have high blood pressure“ AND “Has a doctor or other health care professional ever advised you to change your eating habits (to help lower or control your high blood pressure)?”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 19 Actions to Control High Blood Pressure**

**Table 19.6 Advised by a doctor to cut down on salt to lower or control high blood pressure**

*Prevalence With 95% Confidence Intervals (CI)*

		<i>Prevalence</i>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	2,589	64.0	61.3	66.7
<b>REGION</b>				
Central	238	64.8	56.5	73.0
Kansas City Metro	486	62.4	56.5	68.3
Northeast	244	64.9	57.0	72.9
Northwest	235	64.0	55.3	72.6
Southeast	487	64.4	58.3	70.6
Southwest	236	61.4	53.2	69.6
St. Louis Metro	663	65.4	60.4	70.3
<b>GENDER</b>				
Female	1,472	60.9	57.3	64.5
Male	1,117	66.8	62.9	70.8
<b>RACE</b>				
African-American	269	75.7	68.9	82.5
Other	127	62.4	49.2	75.7
White	2,193	62.5	59.5	65.5
<b>EDUCATION</b>				
< High School	302	62.4	53.9	70.8
High School	933	66.0	61.7	70.3
High School +	1,348	63.2	59.6	66.9
<b>INCOME</b>				
<\$15,000	320	56.7	48.0	65.5
\$15,000-24,999	386	68.3	61.6	74.9
\$25,000-34,999	286	63.6	55.4	71.8
\$35,000-49,999	351	68.0	61.2	74.8
\$50,000-74,999	318	67.1	60.2	74.1
\$75,000+	413	67.4	61.3	73.5

Definition: “Yes” responses to the questions ”Have you ever been told by a doctor or other health professional that you have high blood pressure“ AND “Has a doctor or other health care professional ever advised you to cut down on salt (to help lower or control your high blood pressure)?”



**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 19 Actions to Control High Blood Pressure**

**Table 19.7 Advised by a doctor to reduce alcohol use to lower or control high blood pressure**

*Prevalence With 95% Confidence Intervals (CI)*

		<b>Prevalence</b>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	2,608	25.6	23.1	28.1
<b>REGION</b>				
Central	241	24.8	17.6	31.9
Kansas City Metro	484	26.1	20.5	31.8
Northeast	246	24.7	17.2	32.2
Northwest	237	31.3	22.9	39.7
Southeast	493	24.9	19.4	30.4
Southwest	235	23.6	15.7	31.4
St. Louis Metro	672	26.2	21.7	30.8
<b>GENDER</b>				
Female	1,484	18.7	15.5	21.9
Male	1,124	32.0	28.2	35.9
<b>RACE</b>				
African-American	270	31.2	23.6	38.7
Other	126	28.6	16.6	40.6
White	2,212	24.7	22.0	27.5
<b>EDUCATION</b>				
< High School	304	24.3	16.6	32.0
High School	939	26.9	22.8	31.0
High School +	1,359	25.3	21.9	28.7
<b>INCOME</b>				
<\$15,000	322	23.0	16.2	29.7
\$15,000-24,999	388	29.8	22.7	36.9
\$25,000-34,999	290	25.7	17.7	33.7
\$35,000-49,999	351	33.9	26.4	41.5
\$50,000-74,999	320	27.7	20.6	34.9
\$75,000+	416	23.3	18.0	28.5

Definition: “Yes” responses to the questions ”Have you ever been told by a doctor or other health professional that you have high blood pressure“ AND “Has a doctor or other health care professional ever advised you to reduce alcohol use (to help lower or control your high blood pressure)?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 19 Actions to Control High Blood Pressure

**Table 19.8 Advised by a doctor to exercise to lower or control high blood pressure**

*Prevalence With 95% Confidence Intervals (CI)*

		<i>Prevalence</i>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	2,589	69.9	67.3	72.5
<b>REGION</b>				
Central	239	72.6	65.0	80.2
Kansas City Metro	480	67.3	61.4	73.2
Northeast	245	71.9	64.7	79.1
Northwest	235	73.7	66.2	81.2
Southeast	489	67.9	62.2	73.7
Southwest	236	65.3	57.2	73.4
St. Louis Metro	665	72.1	67.3	77.0
<b>GENDER</b>				
Female	1,470	67.7	64.3	71.2
Male	1,119	71.9	67.9	75.8
<b>RACE</b>				
African-American	270	78.3	71.8	84.9
Other	125	70.6	58.2	83.1
White	2,194	68.7	65.8	71.6
<b>EDUCATION</b>				
< High School	301	63.1	54.5	71.7
High School	931	66.2	61.8	70.6
High School +	1,351	74.3	71.1	77.6
<b>INCOME</b>				
<\$15,000	322	62.1	53.5	70.8
\$15,000-24,999	385	67.7	60.5	74.9
\$25,000-34,999	287	67.1	59.2	75.1
\$35,000-49,999	352	80.4	75.3	85.4
\$50,000-74,999	314	70.4	62.9	78.0
\$75,000+	414	77.7	72.2	83.2

Definition: “Yes” responses to the questions ”Have you ever been told by a doctor or other health professional that you have high blood pressure“ AND “Has a doctor or other health care professional ever advised you to exercise (to help lower or control your high blood pressure)?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 19 Actions to Control High Blood Pressure

**Table 19.9 Advised by a doctor to take medication to lower or control high blood pressure**

*Prevalence With 95% Confidence Intervals (CI)*

		<i>Prevalence</i>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	2,609	90.2	88.1	92.2
<b>REGION</b>				
Central	241	87.4	80.7	94.1
Kansas City Metro	485	90.9	86.8	95.0
Northeast	247	90.9	84.1	97.6
Northwest	235	89.0	82.1	95.9
Southeast	493	93.2	89.5	96.9
Southwest	238	87.1	80.8	93.4
St. Louis Metro	670	91.1	87.3	94.9
<b>GENDER</b>				
Female	1,485	92.0	89.6	94.4
Male	1,124	88.4	85.2	91.7
<b>RACE</b>				
African-American	270	95.4	91.7	99.0
Other	127	75.8	62.6	89.0
White	2,212	90.3	88.0	92.5
<b>EDUCATION</b>				
< High School	305	85.8	78.4	93.2
High School	936	92.8	90.0	95.6
High School +	1,362	89.7	86.9	92.4
<b>INCOME</b>				
<\$15,000	323	87.6	79.6	95.5
\$15,000-24,999	386	88.2	82.4	94.0
\$25,000-34,999	291	92.1	86.5	97.8
\$35,000-49,999	351	92.9	88.4	97.3
\$50,000-74,999	321	90.0	84.6	95.4
\$75,000+	418	88.2	83.4	92.9

Definition: “Yes” responses to the questions ”Have you ever been told by a doctor or other health professional that you have high blood pressure“ AND “Has a doctor or other health care professional ever advised you to take medication (to help lower or control your high blood pressure)?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 19 Actions to Control High Blood Pressure

**Table 19.10 Ever been told had high blood pressure on two or more different visits with a doctor or health professional**

*Prevalence With 95% Confidence Intervals (CI)*

		<i>Prevalence</i>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	2,567	79.9	77.5	82.4
<b>REGION</b>				
Central	237	83.1	77.5	88.7
Kansas City Metro	483	77.5	72.0	83.0
Northeast	240	76.3	68.6	84.1
Northwest	233	87.6	81.6	93.5
Southeast	487	85.4	80.8	90.0
Southwest	230	77.8	70.2	85.5
St. Louis Metro	657	78.5	73.7	83.3
<b>GENDER</b>				
Female	1,447	81.7	78.9	84.5
Male	1,120	78.4	74.5	82.2
<b>RACE</b>				
African-American	267	82.3	76.5	88.1
Other	126	78.4	66.5	90.4
White	2,174	79.7	77.0	82.4
<b>EDUCATION</b>				
< High School	300	72.4	63.8	81.0
High School	919	81.6	77.5	85.6
High School +	1,342	81.1	78.1	84.0
<b>INCOME</b>				
<\$15,000	321	81.8	73.7	90.0
\$15,000-24,999	377	81.0	74.6	87.4
\$25,000-34,999	287	78.4	70.8	86.0
\$35,000-49,999	347	79.1	72.4	85.8
\$50,000-74,999	317	76.7	69.3	84.0
\$75,000+	414	82.9	78.2	87.5

Definition: “Yes” responses to the questions ”Have you ever been told by a doctor or other health professional that you have high blood pressure“ AND “Were you told on two or more different visits to a doctor or other health professional that you had high blood pressure?”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 20 Childhood Asthma**

**Table 20.1 Children age 17 years and younger: Ever been told by a health professional that the child had asthma**

*Prevalence With 95% Confidence Intervals (CI)*

		<i>Prevalence</i>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	1,330	11.1	8.9	13.2
<b>REGION</b>				
Central	135	13.8	7.5	20.2
Kansas City Metro	249	10.3	5.7	14.8
Northeast	111	11.7	4.8	18.6
Northwest	106	9.8	3.1	16.5
Southeast	210	12.2	5.6	18.8
Southwest	120	6.2	1.1	11.3
St. Louis Metro	399	12.4	8.3	16.5
<b>GENDER</b>				
Female	653	9.9	6.9	12.8
Male	664	12.4	9.2	15.6
<b>RACE</b>				
African-American	139	18.4	10.3	26.6
Other	129	8.1	3.5	12.6
White	1,062	10.3	7.9	12.6
<b>EDUCATION</b>				
< High School	107	11.4	3.6	19.3
High School	347	7.9	4.4	11.5
High School +	874	12.2	9.5	15.0
<b>INCOME</b>				
<\$15,000	114	16.4	7.9	24.9
\$15,000-24,999	168	16.4	9.1	23.7
\$25,000-34,999	97	9.7	1.5	18.0
\$35,000-49,999	174	8.3	2.7	13.9
\$50,000-74,999	195	9.9	4.0	15.8
\$75,000+	420	9.6	6.4	12.8

Definition: Children 17 years and younger: “Yes” response to “Has a doctor, nurse or other health professional EVER said that the child has asthma? Question asked of adult respondent about a randomly selected child under age of 18 in household. Gender and race are of the child as reported by the adult respondent. Education level is of the adult respondent and household income was reported by adult respondent.”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 20 Childhood Asthma**

**Table 20.2 Children age 17 and younger: Ever been told by a health professional that the child still had asthma**

*Prevalence With 95% Confidence Intervals (CI)*

		<i>Prevalence</i>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	1,329	8.7	6.7	10.6
<b>REGION</b>				
Central	135	8.8	3.6	14.1
Kansas City Metro	249	7.0	3.4	10.7
Northeast	111	9.1	2.8	15.5
Northwest	105	7.4	1.4	13.4
Southeast	210	9.8	3.6	16.1
Southwest	120	4.8	0.1	9.6
St. Louis Metro	399	10.9	6.9	15.0
<b>GENDER</b>				
Female	652	7.8	5.1	10.5
Male	664	9.5	6.6	12.5
<b>RACE</b>				
African-American	139	16.2	8.4	24.0
Other	129	7.0	2.6	11.3
White	1,061	7.5	5.4	9.7
<b>EDUCATION</b>				
< High School	107	11.4	3.6	19.3
High School	347	7.9	4.4	11.5
High School +	873	12.2	9.5	15.0
<b>INCOME</b>				
<\$15,000	114	14.3	6.3	22.2
\$15,000-24,999	168	15.9	8.6	23.2
\$25,000-34,999	97	8.1	0.1	16.2
\$35,000-49,999	174	6.6	1.2	11.9
\$50,000-74,999	195	7.3	2.1	12.4
\$75,000+	419	6.5	3.9	9.2

Definition: Children 17 years and younger: “Yes” response to “Has a doctor, nurse or other health professional EVER said that the child has asthma?” AND “Yes” response to “Does the child still have asthma? Question asked of adult respondent about a randomly selected child under age of 18 in household. Gender and race are of the child as reported by the adult respondent. Education level is of the adult respondent and household income was reported by adult respondent.”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**  
**Immunization and Testing**

**Chapter 21 Flu, Pneumonia and Shingles**

**Table 21.1 Age 18 and older: Had either a seasonal flu shot or a seasonal flu vaccine sprayed in the nose in past 12 months**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,661	45.5	43.8	47.2	44.0	42.2	45.8
<b>REGION</b>							
Central	624	42.3	37.2	47.5	40.8	35.5	46.1
Kansas City Metro	1,393	45.8	42.4	49.3	44.8	41.1	48.4
Northeast	583	44.1	38.5	49.7	41.9	36.0	47.8
Northwest	545	44.4	38.3	50.5	42.7	36.9	48.6
Southeast	1,084	43.5	39.1	47.8	40.7	35.8	45.5
Southwest	616	43.5	38.4	48.7	41.5	35.9	47.1
St. Louis Metro	1,816	48.2	45.1	51.2	47.1	43.9	50.3
<b>GENDER</b>							
Female	3,877	49.2	46.9	51.5	47.4	44.9	49.8
Male	2,784	41.7	39.2	44.2	40.7	38.1	43.4
<b>RACE</b>							
African-American	575	44.2	38.5	50.0	44.0	38.0	49.9
Other	408	41.4	34.3	48.5	44.7	38.3	51.2
White	5,678	46.0	44.2	47.9	43.8	41.9	45.8
<b>EDUCATION</b>							
< High School	606	39.1	33.4	44.8	35.6	29.6	41.6
High School	2,168	42.7	39.7	45.7	37.9	34.6	41.3
High School +	3,876	48.5	46.3	50.7	48.1	45.9	50.3
<b>INCOME</b>							
<\$15,000	694	38.7	33.4	43.9	37.7	32.5	42.9
\$15,000-24,999	894	41.3	36.4	46.2	38.9	33.9	43.8
\$25,000-34,999	652	50.5	45.1	56.0	45.4	39.1	51.8
\$35,000-49,999	855	41.8	37.1	46.4	39.8	34.8	44.7
\$50,000-74,999	874	41.5	37.0	46.0	41.7	36.7	46.7
\$75,000+	1,455	52.0	48.5	55.5	53.2	49.6	56.8

Definition: Age 18 and older: “Yes” response to the question “During the past 12 months, have you had a seasonal flu shot?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 21 Flu, Pneumonia and Shingles

**Table 21.2 Age 65 and older: Had a seasonal flu shot or flu vaccine sprayed in the nose in the past 12 months**

Prevalence with 95% Confidence Intervals (CI)

		<i>Prevalence</i>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	2,587	68.6	66.2	71.0
<b>REGION</b>				
Central	255	70.0	63.2	76.7
Kansas City Metro	515	71.1	66.4	75.7
Northeast	254	64.1	56.8	71.4
Northwest	219	64.1	55.1	73.1
Southeast	446	67.0	60.8	73.2
Southwest	254	66.2	59.0	73.4
St. Louis Metro	644	69.7	65.2	74.2
<b>GENDER</b>				
Female	1,618	68.5	65.5	71.5
Male	969	68.7	64.9	72.6
<b>RACE</b>				
African-American	179	58.9	48.7	69.1
Other	93	60.2	46.1	74.4
White	2,315	69.7	67.2	72.2
<b>EDUCATION</b>				
< High School	320	63.4	56.2	70.6
High School	955	67.4	63.4	71.4
High School +	1,306	71.4	68.2	74.7
<b>INCOME</b>				
<\$15,000	244	65.9	57.7	74.1
\$15,000-24,999	405	67.0	60.9	73.1
\$25,000-34,999	337	69.8	62.8	76.8
\$35,000-49,999	333	66.8	60.2	73.4
\$50,000-74,999	275	70.7	63.3	78.1
\$75,000+	313	75.1	68.9	81.3

Definition: Ages 65 and older: “Yes” response to the question “During the past 12 months, have you had either a seasonal flu shot or a seasonal flu vaccine that was sprayed in your nose?” AND “65 or greater” response to “What is your age?”



**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 21 Flu, Pneumonia and Shingles**

**Table 21.3 Age 65 and older: Ever had a pneumonia vaccination**

*Prevalence with 95% Confidence Intervals (CI)*

		<b>Prevalence</b>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	2,503	73.2	70.9	75.5
<b>REGION</b>				
Central	253	70.6	63.9	77.2
Kansas City Metro	503	77.1	72.6	81.6
Northeast	248	70.8	63.8	77.7
Northwest	211	66.7	57.5	76.0
Southeast	431	67.7	61.2	74.2
Southwest	251	67.4	60.0	74.7
St. Louis Metro	606	78.0	73.9	82.0
<b>GENDER</b>				
Female	1,579	73.9	71.0	76.8
Male	924	72.3	68.6	76.1
<b>RACE</b>				
African-American	168	65.0	54.9	75.2
Other	93	61.5	47.5	75.5
White	2,242	74.3	71.9	76.7
<b>EDUCATION</b>				
< High School	315	69.0	62.0	76.0
High School	932	72.1	68.3	76.0
High School +	1,251	75.6	72.5	78.7
<b>INCOME</b>				
<\$15,000	240	64.3	55.3	73.3
\$15,000-24,999	397	73.1	67.4	78.9
\$25,000-34,999	325	80.3	74.1	86.4
\$35,000-49,999	326	74.1	68.1	80.1
\$50,000-74,999	261	70.2	62.5	77.9
\$75,000+	307	72.9	66.3	79.4

Definition: Age 65 and older: “Yes” response to “Have you ever had a pneumonia shot?” AND “65 or greater” response to “What is your age?” Note: A pneumonia shot or pneumococcal vaccine is usually given only once or twice in a person’s lifetime and is different from the flu shot.”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 21 Flu, Pneumonia and Shingles

**Table 21.4 Age 50 and older: Ever had the shingles or Zoster vaccine**

Prevalence with 95% Confidence Intervals (CI)

		<i>Prevalence</i>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	4,392	22.6	21.1	24.1
<b>REGION</b>				
Central	417	22.2	17.9	26.5
Kansas City Metro	833	21.7	18.5	24.9
Northeast	421	26.0	20.8	31.1
Northwest	374	20.3	15.0	25.7
Southeast	758	19.9	16.2	23.7
Southwest	402	23.2	18.5	27.9
St. Louis Metro	1,187	23.4	20.7	26.2
<b>GENDER</b>				
Female	2,644	23.2	21.2	25.2
Male	1,748	21.9	19.6	24.2
<b>RACE</b>				
African-American	356	11.4	7.4	15.4
Other	205	13.4	7.5	19.3
White	3,831	24.2	22.5	25.9
<b>EDUCATION</b>				
< High School	442	15.0	11.0	18.9
High School	1,583	21.1	18.6	23.6
High School +	2,360	25.5	23.3	27.7
<b>INCOME</b>				
<\$15,000	458	13.9	9.9	18.0
\$15,000-24,999	594	17.6	13.7	21.4
\$25,000-34,999	465	22.5	17.8	27.3
\$35,000-49,999	571	24.9	20.2	29.5
\$50,000-74,999	557	22.9	18.7	27.0
\$75,000+	822	22.2	19.0	25.5

Definition: Age 50 and older: “Yes” response to “Have you ever had the shingles or zoster vaccine?” AND “50 or greater” response to “What is your age?” Note: Shingles is caused by the chicken pox virus. It is an outbreak of rash or blisters on the skin that may be associated with severe pain. A vaccine for shingles has been available since May 2006; it is called Zostavax®, the zoster vaccine, or the shingles vaccine.”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 22 Tetanus Diphtheria

**Table 22.1 Had received TDaP**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,599	22.6	20.9	24.3	24.7	22.7	26.7
<b>REGION</b>							
Central	539	24.3	18.9	29.7	25.8	20.0	31.6
Kansas City Metro	1,072	22.4	19.1	25.8	24.8	20.6	28.9
Northeast	514	22.9	17.6	28.3	25.0	18.9	31.1
Northwest	467	22.0	16.4	27.6	21.9	16.1	27.8
Southeast	961	18.4	14.9	21.9	20.6	16.3	24.9
Southwest	495	19.6	14.3	24.8	22.4	16.3	28.5
St. Louis Metro	1,551	24.4	21.4	27.5	26.5	23.1	29.9
<b>GENDER</b>							
Female	3,292	24.9	22.6	27.3	28.0	25.2	30.7
Male	2,307	20.1	17.6	22.6	21.5	18.7	24.3
<b>RACE</b>							
African-American	481	22.6	16.8	28.4	24.6	18.3	30.9
Other	310	23.1	13.6	32.6	21.8	14.4	29.3
White	4,808	22.6	20.8	24.3	24.8	22.7	27.0
<b>EDUCATION</b>							
< High School	494	17.8	11.3	24.4	20.4	13.3	27.5
High School	1,882	16.0	13.3	18.7	18.4	14.9	21.8
High School +	3,203	27.3	25.1	29.5	28.8	26.4	31.3
<b>INCOME</b>							
<\$15,000	586	15.8	11.3	20.3	17.3	12.2	22.4
\$15,000-24,999	766	19.1	13.6	24.6	20.2	14.3	26.1
\$25,000-34,999	544	18.1	13.1	23.1	22.2	15.4	28.9
\$35,000-49,999	725	19.0	14.9	23.0	21.2	16.2	26.1
\$50,000-74,999	736	23.3	18.8	27.8	26.0	20.5	31.5
\$75,000+	1,193	32.7	29.0	36.4	34.0	30.0	38.0

Definition: "Yes, received TDaP" response to "Since 2005, have you had a tetanus shot? If yes, ask: "Was this TDaP, the tetanus shot that also has pertussis or whooping cough vaccine?" 1) Yes, received TDaP; 2) Yes, received tetanus shot, but not TDaP; 3) Yes, received tetanus shot but not sure what type; 4) No, did not receive any tetanus shot since 2005.

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 22 Tetanus Diphtheria

**Table 22.2 Had received tetanus shot, but not TDaP**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,599	9.7	8.6	10.7	9.2	8.1	10.3
<b>REGION</b>							
Central	539	8.8	6.1	11.5	7.7	5.2	10.2
Kansas City Metro	1,072	10.9	8.5	13.4	10.8	8.0	13.6
Northeast	514	7.7	4.4	11.0	7.5	3.9	11.0
Northwest	467	10.1	6.3	13.8	10.1	6.1	14.1
Southeast	961	11.4	8.6	14.3	11.1	7.7	14.4
Southwest	495	13.7	9.5	17.9	13.4	8.8	18.0
St. Louis Metro	1,551	7.6	6.0	9.1	7.1	5.5	8.7
<b>GENDER</b>							
Female	3,292	10.9	9.3	12.5	10.6	8.8	12.4
Male	2,307	8.4	7.0	9.8	7.8	6.5	9.2
<b>RACE</b>							
African-American	481	6.5	3.7	9.2	6.1	3.5	8.8
Other	310	11.5	6.2	16.9	10.7	6.0	15.3
White	4,808	9.9	8.8	11.1	9.4	8.2	10.7
<b>EDUCATION</b>							
< High School	494	10.1	6.0	14.3	9.8	5.6	14.0
High School	1,882	10.0	8.1	11.8	9.2	7.1	11.3
High School +	3,203	9.4	8.1	10.7	8.9	7.6	10.3
<b>INCOME</b>							
<\$15,000	586	9.0	5.3	12.8	8.5	4.7	12.3
\$15,000-24,999	766	10.0	6.9	13.1	10.1	6.7	13.5
\$25,000-34,999	544	12.0	8.1	16.0	10.9	6.9	14.9
\$35,000-49,999	725	12.0	8.7	15.3	10.5	7.5	13.5
\$50,000-74,999	736	9.4	6.7	12.0	8.6	5.9	11.4
\$75,000+	1,193	8.9	6.8	11.0	8.5	6.3	10.8

Definition: “Yes, received tetanus shot, but not TDaP” response to “Since 2005, have you had a tetanus shot? If yes, ask: “Was this TDaP, the tetanus shot that also has pertussis or whooping cough vaccine?” 1) Yes, received TDaP; 2) Yes, received tetanus shot, but not TDaP; 3) Yes, received tetanus shot but not sure what type; 4) No, did not receive any tetanus shot since 2005.

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 22 Tetanus Diphtheria

**Table 22.3 Had received tetanus shot, but not sure what type**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,599	32.2	30.4	34.0	31.9	29.9	33.9
<b>REGION</b>							
Central	539	34.9	29.5	40.3	35.2	29.3	41.2
Kansas City Metro	1,072	33.3	29.5	37.1	32.4	28.0	36.8
Northeast	514	33.4	27.4	39.3	32.0	25.7	38.2
Northwest	467	37.0	30.4	43.7	38.4	31.5	45.4
Southeast	961	33.9	29.3	38.5	33.4	28.3	38.5
Southwest	495	31.0	25.4	36.5	30.8	24.4	37.1
St. Louis Metro	1,551	30.1	27.1	33.2	29.8	26.5	33.1
<b>GENDER</b>							
Female	3,292	26.2	24.0	28.4	25.5	23.1	28.0
Male	2,307	38.6	35.8	41.4	38.6	35.4	41.7
<b>RACE</b>							
African-American	481	24.2	18.9	29.5	22.3	17.4	27.1
Other	310	33.8	25.8	41.7	34.6	27.4	41.8
White	4,808	33.0	31.1	35.0	33.0	30.8	35.2
<b>EDUCATION</b>							
< High School	494	27.6	21.7	33.4	27.1	20.9	33.3
High School	1,882	34.8	31.6	37.9	34.4	30.5	38.3
High School +	3,203	31.8	29.5	34.2	31.9	29.3	34.4
<b>INCOME</b>							
<\$15,000	586	34.1	28.3	40.0	34.1	28.0	40.2
\$15,000-24,999	766	28.6	23.6	33.7	28.8	23.2	34.4
\$25,000-34,999	544	32.2	26.6	37.8	31.8	24.9	38.6
\$35,000-49,999	725	35.1	30.1	40.1	34.9	29.3	40.6
\$50,000-74,999	736	35.4	30.4	40.3	34.2	28.6	39.9
\$75,000+	1,193	31.0	27.5	34.6	30.9	27.2	34.6

Definition: “Yes, received tetanus shot, but not sure what type” response to the question “Since 2005, have you had a tetanus shot? If yes, ask: “Was this TDaP, the tetanus shot that also has pertussis or whooping cough vaccine?” 1) Yes, received TDaP; 2) Yes, received tetanus shot, but not TDaP; 3) Yes, received tetanus shot but not sure what type; 4) No, did not receive any tetanus shot since 2005.

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 22 Tetanus Diphtheria

**Table 22.4 Had not received tetanus shot since 2005**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,599	35.5	33.8	37.3	34.2	32.2	36.2
<b>REGION</b>							
Central	539	32.0	26.9	37.2	31.3	25.6	36.9
Kansas City Metro	1,072	33.3	29.6	37.0	32.1	27.8	36.5
Northeast	514	36.0	30.6	41.5	35.6	29.7	41.4
Northwest	467	31.0	25.2	36.8	29.6	23.2	35.9
Southeast	961	36.3	32.0	40.5	35.0	30.2	39.7
Southwest	495	35.8	30.1	41.4	33.5	27.3	39.6
St. Louis Metro	1,551	37.9	34.7	41.1	36.6	33.2	40.1
<b>GENDER</b>							
Female	3,292	38.0	35.6	40.4	36.0	33.3	38.6
Male	2,307	32.9	30.3	35.6	32.1	29.2	35.0
<b>RACE</b>							
African-American	481	46.8	40.5	53.1	47.1	40.2	53.9
Other	310	31.6	23.7	39.5	32.9	26.0	39.8
White	4,808	34.5	32.6	36.4	32.7	30.6	34.9
<b>EDUCATION</b>							
< High School	494	44.5	37.7	51.3	42.7	35.3	50.0
High School	1,882	39.2	36.1	42.4	38.0	34.1	42.0
High School +	3,203	31.5	29.3	33.7	30.4	28.1	32.7
<b>INCOME</b>							
<\$15,000	586	41.1	35.1	47.0	40.1	34.1	46.1
\$15,000-24,999	766	42.2	36.7	47.8	40.8	34.9	46.8
\$25,000-34,999	544	37.7	32.1	43.3	35.1	28.3	42.0
\$35,000-49,999	725	33.9	29.2	38.7	33.4	28.0	38.7
\$50,000-74,999	736	32.0	27.5	36.5	31.2	25.9	36.5
\$75,000+	1,193	27.4	23.9	30.8	26.6	23.0	30.1

Definition: “No, did not receive any tetanus shot since 2005” response to the question “Since 2005, have you had a tetanus shot? If yes, ask: “Was this TDaP, the tetanus shot that also has pertussis or whooping cough vaccine?” 1) Yes, received TDaP; 2) Yes, received tetanus shot, but not TDaP; 3) Yes, received tetanus shot but not sure what type; 4) No, did not receive any tetanus shot since 2005.

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 23 Human Papilloma Virus**

**Table 23 Ever had the HPV vaccination**

*Prevalence With 95% Confidence Intervals (CI)*

		<i>Prevalence</i>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	1,592	15.6	13.1	18.0
<b>REGION</b>				
Central	156	14.5	8.2	20.9
Kansas City Metro	291	12.4	7.4	17.4
Northeast	131	15.8	6.9	24.6
Northwest	130	18.7	9.3	28.0
Southeast	273	10.8	6.7	15.0
Southwest	137	17.6	8.6	26.6
St. Louis Metro	474	17.3	13.0	21.5
<b>GENDER</b>				
Female	920	23.5	19.6	27.5
Male	672	6.8	4.4	9.2
<b>RACE</b>				
African-American	154	23.2	14.5	31.9
Other	124	27.1	15.8	38.4
White	1,314	13.3	10.7	15.8
<b>EDUCATION</b>				
< High School	108	16.0	6.2	25.8
High School	421	18.4	12.9	23.9
High School +	1,060	14.2	11.6	16.9
<b>INCOME</b>				
<\$15,000	160	17.2	8.8	25.6
\$15,000-24,999	214	18.2	11.0	25.5
\$25,000-34,999	130	14.0	6.5	21.4
\$35,000-49,999	198	21.0	13.2	28.8
\$50,000-74,999	226	13.8	8.3	19.2
\$75,000+	455	12.9	8.7	17.0

Definition: “Yes” response to the question “A vaccine to prevent the human papilloma virus or HPV infection is available and is called the cervical cancer or genital warts vaccine, HPV shot. Have you ever had the HPV vaccination?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 24 HIV Testing

**Table 24.1 Had ever been tested for HIV**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,520	32.6	30.9	34.3	33.7	31.8	35.5
<b>REGION</b>							
Central	607	28.3	23.2	33.4	29.6	24.1	35.1
Kansas City Metro	1,362	35.7	32.2	39.1	32.0	27.9	36.0
Northeast	571	20.7	15.9	25.5	19.8	13.3	26.3
Northwest	533	36.2	29.8	42.5	18.7	12.5	24.8
Southeast	1,057	30.7	26.3	35.1	29.2	24.6	33.8
Southwest	604	31.8	26.5	37.2	31.2	26.6	35.8
St. Louis Metro	1,786	34.2	31.1	37.3	34.8	28.0	41.7
<b>GENDER</b>							
Female	3,822	34.1	31.8	36.5	37.1	34.6	39.5
Male	2,698	30.9	28.4	33.5	30.1	27.5	32.8
<b>RACE</b>							
African-American	566	62.3	56.7	67.8	59.3	54.2	64.4
Other	399	41.7	34.1	49.3	36.6	29.7	43.4
White	5,555	28.1	26.3	29.9	27.7	24.5	30.9
<b>EDUCATION</b>							
< High School	584	34.0	27.5	40.5	38.7	31.8	45.6
High School	2,116	26.4	23.4	29.4	30.8	26.3	35.3
High School +	3,799	35.7	33.5	37.8	26.1	23.5	28.6
<b>INCOME</b>							
<\$15,000	667	45.9	40.2	51.6	45.0	39.3	50.7
\$15,000-24,999	873	39.0	33.6	44.5	42.0	35.9	48.1
\$25,000-34,999	630	24.4	19.5	29.2	27.5	21.6	33.3
\$35,000-49,999	832	33.5	28.9	38.2	25.3	18.9	31.7
\$50,000-74,999	853	34.7	30.0	39.5	24.0	20.4	27.6
\$75,000+	1,429	33.4	30.0	36.8	32.6	27.6	37.7

Definition: Among respondents age 64 and younger, “Yes” response to the question “Have you ever been tested for HIV? Do not count tests you may have had as part of a blood donation. Include testing fluid from your mouth.”



# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 24 HIV Testing

**Table 24.2.1 Had last HIV test at a private doctor or HMO office**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	1,649	50.0	46.6	53.4	41.5	38.5	44.6
<b>REGION</b>							
Central	127	48.8	37.7	59.9	40.9	31.9	49.9
Kansas City Metro	389	54.3	48.0	60.6	44.5	35.8	53.2
Northeast	93	49.6	36.1	63.0	41.8	30.0	53.7
Northwest	129	54.4	42.6	66.1	52.6	42.8	62.5
Southeast	255	41.4	32.8	49.9	35.0	23.7	46.3
Southwest	139	50.7	39.8	61.5	32.9	26.3	39.4
St. Louis Metro	517	49.1	43.2	55.0	45.0	35.3	54.7
<b>GENDER</b>							
Female	951	57.1	52.7	61.5	47.4	43.6	51.1
Male	698	41.7	36.6	46.7	34.0	29.2	38.8
<b>RACE</b>							
African-American	288	45.9	38.0	53.8	37.1	29.9	44.3
Other	154	56.4	43.7	69.0	44.5	34.1	54.9
White	1,207	50.3	46.4	54.2	43.3	36.1	50.4
<b>EDUCATION</b>							
< High School	134	46.8	33.7	59.9	39.3	28.1	50.4
High School	398	51.2	44.3	58.1	42.6	34.5	50.8
High School +	1,112	49.9	46.0	53.9	43.9	38.4	49.5
<b>INCOME</b>							
<\$15,000	244	42.8	34.0	51.6	36.2	28.9	43.6
\$15,000-24,999	241	52.6	42.7	62.5	45.7	35.8	55.5
\$25,000-34,999	126	47.3	35.5	59.0	37.6	28.9	46.3
\$35,000-49,999	228	46.9	38.2	55.5	37.3	26.4	48.2
\$50,000-74,999	232	46.2	37.2	55.2	38.1	30.2	46.0
\$75,000+	386	58.2	51.8	64.6	39.1	30.4	47.7

Definition: Among respondents age 64 and younger, “Yes” response to the question “Have you ever been tested for HIV? AND “Private doctor or HMO office” response to “Where did you have your last HIV test—at a private doctor or HMO office, at a counseling and testing site, at a hospital, at a clinic, in a jail or prison, at a drug treatment facility, at home, or somewhere else?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 24 HIV Testing

**Table 24.2.2 Had last HIV test at a hospital inpatient, clinic or Emergency Room**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	1,649	33.5	30.3	36.7	27.8	25.0	30.6
<b>REGION</b>							
Central	127	34.8	24.8	44.9	29.4	21.0	37.8
Kansas City Metro	389	30.1	24.2	36.1	29.3	20.9	37.7
Northeast	93	30.2	16.5	43.9	26.5	19.5	33.6
Northwest	129	32.8	21.1	44.6	17.5	8.7	26.4
Southeast	255	35.3	25.5	45.0	34.0	21.0	47.1
Southwest	139	34.8	24.7	45.0	30.2	23.0	37.5
St. Louis Metro	517	34.4	29.0	39.8	25.6	16.3	34.8
<b>GENDER</b>							
Female	951	32.5	28.3	36.6	26.8	23.2	30.3
Male	698	34.8	29.8	39.7	29.0	24.5	33.5
<b>RACE</b>							
African-American	288	40.9	33.1	48.7	34.3	27.3	41.3
Other	154	30.9	20.1	41.7	23.5	15.0	32.1
White	1,207	31.8	28.1	35.5	27.6	20.8	34.5
<b>EDUCATION</b>							
< High School	134	35.0	22.9	47.1	26.4	17.1	35.8
High School	398	33.6	27.1	40.0	30.1	22.3	37.8
High School +	1,112	33.3	29.6	37.1	25.9	20.8	30.9
<b>INCOME</b>							
<\$15,000	244	43.4	34.8	52.0	34.5	27.5	41.4
\$15,000-24,999	241	32.2	23.4	41.1	25.2	17.1	33.4
\$25,000-34,999	126	33.6	22.6	44.6	25.3	15.0	35.5
\$35,000-49,999	228	36.6	28.2	45.0	34.8	24.3	45.3
\$50,000-74,999	232	39.9	30.9	49.0	26.2	19.4	33.0
\$75,000+	386	21.3	16.1	26.5	31.1	23.6	38.6

Definition: Among respondents age 64 and younger, “Yes” response to the question “Have you ever been tested for HIV? AND “Hospital inpatient, clinic or Emergency Room” response to “Where did you have your last HIV test—at a private doctor or HMO office, at a counseling and testing site, at a hospital, at a clinic, in a jail or prison, at a drug treatment facility, at home, or somewhere else?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 24 HIV Testing

**Table 24.2.3 Had last HIV test at a jail or prison (or other correctional facility)**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	1,628	1.5	0.7	2.2	1.2	0.6	1.8
<b>REGION</b>							
Central	126	0.8	0.0	2.0	0.7	0.0	1.9
Kansas City Metro	383	0.6	0.0	1.3	0.4	0.0	1.1
Northeast	90	2.4	0.0	5.2	0.4	0.0	1.2
Northwest	127	1.7	0.0	3.7	1.3	0.0	2.8
Southeast	252	5.2	0.8	9.6	1.2	0.0	2.7
Southwest	139	0.9	0.0	2.1	4.2	0.9	7.6
St. Louis Metro	511	1.5	0.0	2.9	0.0		
<b>GENDER</b>							
Female	938	0.5	0.0	1.1	0.3	0.0	0.7
Male	690	2.6	1.2	4.1	2.1	0.9	3.3
<b>RACE</b>							
African-American	283	2.2	0.0	4.8	1.9	0.0	4.0
Other	153	1.7	0.0	4.0	0.9	0.0	2.6
White	1,192	1.2	0.6	1.9	0.9	0.0	2.0
<b>EDUCATION</b>							
< High School	130	6.5	1.0	12.0	5.9	0.9	10.9
High School	395	1.9	0.7	3.1	0.5	0.0	1.2
High School +	1,098	0.4	0.1	0.7	1.3	0.0	2.8
<b>INCOME</b>							
<\$15,000	237	4.6	1.6	7.6	4.1	1.5	6.7
\$15,000-24,999	239	1.5	0.0	3.5	1.3	0.0	3.1
\$25,000-34,999	125	2.0	0.0	4.2	0.0		
\$35,000-49,999	225	0.5	0.0	1.5	3.5	0.0	7.7
\$50,000-74,999	228	0.1	0.0	0.2	2.5	0.0	7.2
\$75,000+	383	1.2	0.0	3.1	0.1	0.0	0.2

Definition: Among respondents age 64 and younger, “Yes” response to the question “Have you ever been tested for HIV? AND “Jail or prison (or other correctional facility)” response to “Where did you have your last HIV test—at a private doctor or HMO office, at a counseling and testing site, at a hospital, at a clinic, in a jail or prison, at a drug treatment facility, at home, or somewhere else?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 24 HIV Testing

**Table 24.2.4 Had last HIV test at a drug treatment facility, counseling and testing site**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	1,649	3.1	2.0	4.2	2.8	1.7	3.8
<b>REGION</b>							
Central	127	3.7	0.0	8.1	2.6	0.0	5.5
Kansas City Metro	389	2.4	0.8	3.9	0.3	0.0	0.7
Northeast	93	2.0	0.0	5.2	1.2	0.3	2.1
Northwest	129	1.5	0.0	3.2	1.1	0.0	3.0
Southeast	255	2.0	0.0	4.3	1.8	0.0	3.8
Southwest	139	1.0	0.0	2.4	1.3	0.0	2.7
St. Louis Metro	517	4.8	2.4	7.1	0.1	0.0	0.3
<b>GENDER</b>							
Female	951	2.6	1.2	4.0	2.3	1.0	3.6
Male	698	3.8	2.1	5.4	3.4	1.7	5.1
<b>RACE</b>							
African-American	288	4.2	1.1	7.2	3.6	0.9	6.3
Other	154	0.2	0.0	0.5	0.0		
White	1,207	3.2	1.9	4.5	2.2	0.7	3.7
<b>EDUCATION</b>							
< High School	134	0.4	0.0	1.1	0.2	0.0	0.6
High School	398	3.5	1.1	5.9	2.0	0.0	4.1
High School +	1,112	3.5	2.1	4.9	2.5	0.8	4.1
<b>INCOME</b>							
<\$15,000	244	1.5	0.0	3.1	1.1	0.0	2.3
\$15,000-24,999	241	3.4	0.5	6.4	2.1	0.0	4.6
\$25,000-34,999	126	2.8	0.0	6.2	4.9	0.0	10.4
\$35,000-49,999	228	4.5	0.6	8.5	3.0	0.0	7.4
\$50,000-74,999	232	3.4	0.6	6.2	2.7	0.0	5.4
\$75,000+	386	2.7	0.9	4.6	2.8	0.5	5.2

Definition: Among all adult respondents: “Yes” response to the question “Have you ever been tested for HIV? AND “Drug treatment facility, counseling and testing site” response to “Where did you have your last HIV test—at a private doctor or HMO office, at a counseling and testing site, at a hospital, at a clinic, in a jail or prison, at a drug treatment facility, at home, or somewhere else?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 24 HIV Testing

**Table 24.2.5 Had last HIV test at home or somewhere else**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	1,649	12.0	9.8	14.1	9.7	7.7	11.7
<b>REGION</b>							
Central	127	12.0	4.3	19.6	9.3	3.4	15.3
Kansas City Metro	389	12.7	9.0	16.4	8.6	4.4	12.8
Northeast	93	15.9	6.7	25.2	13.0	3.5	22.5
Northwest	129	9.6	4.0	15.3	10.4	4.6	16.3
Southeast	255	16.3	10.5	22.2	10.9	4.1	17.7
Southwest	139	12.6	5.8	19.5	14.5	8.4	20.7
St. Louis Metro	517	10.2	6.3	14.1	12.3	4.3	20.3
<b>GENDER</b>							
Female	951	7.4	5.7	9.2	6.2	4.6	7.8
Male	698	17.3	13.1	21.4	14.5	10.5	18.6
<b>RACE</b>							
African-American	288	6.9	2.1	11.7	6.2	1.2	11.2
Other	154	10.8	1.9	19.8	14.1	6.4	21.9
White	1,207	13.5	11.0	16.1	9.0	5.6	12.4
<b>EDUCATION</b>							
< High School	134	11.6	2.0	21.2	11.5	3.3	19.7
High School	398	9.8	6.4	13.2	7.7	3.9	11.6
High School +	1,112	12.9	10.3	15.5	9.5	6.4	12.6
<b>INCOME</b>							
<\$15,000	244	8.0	2.6	13.3	7.3	2.6	12.0
\$15,000-24,999	241	10.3	3.1	17.5	8.6	0.7	16.6
\$25,000-34,999	126	14.4	5.7	23.1	15.2	5.7	24.8
\$35,000-49,999	228	11.5	6.0	17.0	4.4	1.7	7.1
\$50,000-74,999	232	10.4	6.1	14.7	13.5	7.8	19.2
\$75,000+	386	16.6	11.9	21.3	9.9	4.3	15.4

Definition: Among all adult respondent: “Yes” response to the question “Have you ever been tested for HIV? AND “At home or somewhere else” response to “Where did you have your last HIV test—at a private doctor or HMO office, at a counseling and testing site, at a hospital, at a clinic, in a jail or prison, at a drug treatment facility, at home, or somewhere else?”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**  
**Health Literacy, Social Context and Sexual Orientation**

**Chapter 25 Health Literacy**

**Table 25.1.1 Extremely confident in their ability to fill out health forms by themselves**  
*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,588	66.9	65.1	68.8	66.9	64.9	69.0
<b>REGION</b>							
Central	535	62.8	57.2	68.5	63.6	57.5	69.7
Kansas City Metro	1,043	69.7	65.9	73.4	67.3	63.2	71.5
Northeast	509	65.3	59.4	71.1	65.8	59.4	72.1
Northwest	472	61.9	55.3	68.6	65.0	58.5	71.4
Southeast	963	61.9	57.6	66.3	62.5	57.5	67.5
Southwest	502	67.7	62.1	73.2	69.5	63.3	75.6
St. Louis Metro	1,564	68.9	65.6	72.1	68.1	64.5	71.7
<b>GENDER</b>							
Female	3,277	73.0	70.6	75.3	72.9	70.2	75.6
Male	2,311	60.5	57.6	63.3	60.6	57.5	63.8
<b>RACE</b>							
African-American	480	67.0	61.1	72.9	67.5	61.5	73.4
Other	318	55.4	46.2	64.6	57.3	49.3	65.3
White	4,790	67.8	65.9	69.7	67.7	65.4	69.9
<b>EDUCATION</b>							
< High School	497	48.8	41.9	55.7	49.2	41.4	56.9
High School	1,833	57.6	54.2	60.9	56.9	52.6	61.1
High School +	3,240	76.0	73.9	78.1	75.5	73.3	77.8
<b>INCOME</b>							
<\$15,000	553	50.6	44.2	57.1	52.7	45.9	59.6
\$15,000-24,999	746	60.5	54.7	66.3	61.6	55.3	67.8
\$25,000-34,999	556	70.5	65.2	75.7	72.8	67.4	78.2
\$35,000-49,999	739	69.6	64.9	74.2	69.7	64.5	75.0
\$50,000-74,999	721	70.2	65.2	75.1	68.3	62.4	74.2
\$75,000+	1,187	77.2	73.8	80.6	75.9	72.2	79.7

Definition: “Extremely confident” response to the question: “Health forms include insurance forms, questionnaires, doctor’s office forms, and other forms related to health and healthcare. In general, how confident are you in your ability to fill out health forms yourself?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 25 Health Literacy

**Table 25.1.2 Somewhat confident in their ability to fill out health forms by themselves**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,588	28.9	27.1	30.6	29.0	27.0	31.0
<b>REGION</b>							
Central	535	32.8	27.3	38.3	32.3	26.3	38.2
Kansas City Metro	1,043	27.5	23.8	31.1	29.7	25.5	33.9
Northeast	509	28.3	22.9	33.7	27.7	21.8	33.6
Northwest	472	33.2	26.8	39.5	31.0	24.6	37.3
Southeast	963	30.6	26.5	34.7	30.1	25.4	34.7
Southwest	502	30.1	24.7	35.5	28.1	22.1	34.1
St. Louis Metro	1,564	26.8	23.7	30.0	27.7	24.2	31.2
<b>GENDER</b>							
Female	3,277	24.0	21.7	26.3	24.2	21.5	26.8
Male	2,311	34.0	31.2	36.7	34.0	30.9	37.1
<b>RACE</b>							
African-American	480	29.0	23.4	34.7	28.6	22.9	34.4
Other	318	35.9	26.6	45.2	33.9	26.2	41.7
White	4,790	28.3	26.4	30.2	28.5	26.4	30.7
<b>EDUCATION</b>							
< High School	497	40.1	33.2	47.0	40.6	33.0	48.2
High School	1,833	36.6	33.3	39.8	36.8	32.7	40.9
High School +	3,240	22.1	20.1	24.2	22.6	20.4	24.8
<b>INCOME</b>							
<\$15,000	553	38.1	31.7	44.5	37.5	30.8	44.2
\$15,000-24,999	746	32.6	27.0	38.1	31.6	25.7	37.6
\$25,000-34,999	556	26.0	20.9	31.0	23.9	18.7	29.1
\$35,000-49,999	739	27.1	22.6	31.6	26.2	21.3	31.1
\$50,000-74,999	721	28.1	23.1	33.1	30.1	24.2	35.9
\$75,000+	1,187	21.0	17.7	24.3	22.5	18.8	26.2

Definition: “Somewhat confident” response to the question: “Health forms include insurance forms, questionnaires, doctor’s office forms, and other forms related to health and healthcare. In general, how confident are you in your ability to fill out health forms yourself?”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 25 Health Literacy**

**Table 25.1.3 Not at all confident in their ability to fill out health forms by themselves**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,588	4.2	3.5	5.0	4.1	3.3	5.0
<b>REGION</b>							
Central	535	4.4	2.0	6.8	4.1	1.7	6.6
Kansas City Metro	1,043	2.9	1.5	4.2	3.0	1.4	4.6
Northeast	509	6.4	3.1	9.8	6.5	3.1	10.0
Northwest	472	4.9	1.9	7.9	4.1	1.7	6.5
Southeast	963	7.5	5.0	10.0	7.5	4.7	10.3
Southwest	502	2.2	0.6	3.8	2.5	0.5	4.4
St. Louis Metro	1,564	4.3	2.8	5.8	4.2	2.7	5.7
<b>GENDER</b>							
Female	3,277	3.0	2.2	3.8	3.0	2.1	3.8
Male	2,311	5.6	4.2	6.9	5.4	4.0	6.7
<b>RACE</b>							
African-American	480	4.0	1.7	6.2	3.9	1.6	6.2
Other	318	8.7	3.2	14.2	8.8	4.1	13.6
White	4,790	3.9	3.1	4.7	3.8	3.0	4.6
<b>EDUCATION</b>							
< High School	497	11.1	7.1	15.1	10.3	6.5	14.1
High School	1,833	5.9	4.3	7.4	6.3	4.4	8.3
High School +	3,240	1.9	1.2	2.5	1.8	1.2	2.5
<b>INCOME</b>							
<\$15,000	553	11.3	7.4	15.1	9.8	6.7	12.9
\$15,000-24,999	746	6.9	3.5	10.4	6.8	3.5	10.2
\$25,000-34,999	556	3.6	1.7	5.4	3.3	1.4	5.2
\$35,000-49,999	739	3.4	1.6	5.2	4.1	1.7	6.5
\$50,000-74,999	721	1.7	0.7	2.8	1.6	0.5	2.8
\$75,000+	1,187	1.8	0.6	2.9	1.6	0.6	2.5

Definition: “Not at all confident” response to the question: “Health forms include insurance forms, questionnaires, doctor’s office forms, and other forms related to health and healthcare. In general, how confident are you in your ability to fill out health forms yourself?”



# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 25 Health Literacy

**Table 25.2.1 Health information written in an easily understood way: Always or nearly always**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,552	73.0	71.3	74.7	73.7	71.8	75.5
<b>REGION</b>							
Central	524	73.5	68.2	78.7	73.9	68.0	79.7
Kansas City Metro	1,036	74.9	71.4	78.4	75.7	71.7	79.6
Northeast	509	66.7	61.0	72.3	66.6	60.5	72.6
Northwest	472	70.2	63.2	77.1	71.3	63.9	78.8
Southeast	957	64.3	60.0	68.7	65.0	60.1	69.9
Southwest	496	76.1	71.1	81.2	75.8	70.1	81.5
St. Louis Metro	1,558	74.3	71.4	77.1	75.1	72.0	78.2
<b>GENDER</b>							
Female	3,265	75.0	72.8	77.2	75.7	73.2	78.2
Male	2,287	70.9	68.3	73.5	71.4	68.6	74.2
<b>RACE</b>							
African-American	477	71.8	66.2	77.3	72.0	66.3	77.7
Other	316	70.9	63.3	78.5	70.1	63.2	77.0
White	4,759	73.3	71.5	75.1	74.0	72.0	76.1
<b>EDUCATION</b>							
< High School	491	58.5	51.9	65.1	58.8	51.7	65.9
High School	1,832	66.5	63.4	69.6	66.7	62.8	70.6
High School +	3,211	79.9	77.9	81.8	80.3	78.2	82.4
<b>INCOME</b>							
<\$15,000	558	61.1	55.0	67.3	63.6	57.2	69.9
\$15,000-24,999	739	68.6	63.5	73.8	68.7	63.1	74.2
\$25,000-34,999	546	74.0	69.0	79.0	74.4	68.0	80.8
\$35,000-49,999	732	71.7	66.9	76.4	71.5	66.0	77.0
\$50,000-74,999	720	76.5	72.2	80.8	77.8	73.1	82.5
\$75,000+	1,179	80.3	77.1	83.5	80.6	77.0	84.1

Definition: “Always or nearly always” response to the question: “You can find written health information on the internet, in newspapers and magazines, on medications, at the doctor’s office, in clinics, and many other places. How often is health information written in a way that is easy for you to understand?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 25 Health Literacy

**Table 25.2.2 Health information written in an easily understood way: Sometimes Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)**

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,552	21.4	19.9	23.0	21.0	19.2	22.7
<b>REGION</b>							
Central	524	23.8	18.6	29.0	23.8	18.0	29.6
Kansas City Metro	1,036	20.1	16.9	23.4	19.7	16.0	23.3
Northeast	509	24.8	19.6	30.0	24.9	19.2	30.7
Northwest	472	24.4	17.5	31.3	23.4	16.1	30.8
Southeast	957	24.2	20.5	28.0	24.0	19.6	28.3
Southwest	496	19.1	14.4	23.7	19.3	14.0	24.5
St. Louis Metro	1,558	20.7	18.0	23.4	19.9	17.0	22.7
<b>GENDER</b>							
Female	3,265	21.2	19.1	23.4	20.7	18.4	23.1
Male	2,287	21.6	19.3	24.0	21.3	18.7	23.9
<b>RACE</b>							
African-American	477	22.8	17.7	27.9	22.6	17.4	27.9
Other	316	21.2	14.6	27.8	21.6	15.5	27.7
White	4,759	21.3	19.6	23.0	20.9	19.0	22.9
<b>EDUCATION</b>							
< High School	491	30.8	24.8	36.7	30.3	23.8	36.7
High School	1,832	25.9	22.9	28.8	25.7	22.0	29.3
High School +	3,211	16.8	15.0	18.7	16.5	14.6	18.5
<b>INCOME</b>							
<\$15,000	558	31.6	25.6	37.6	29.9	23.7	36.1
\$15,000-24,999	739	22.6	18.3	27.0	22.2	17.5	26.9
\$25,000-34,999	546	21.5	16.7	26.2	21.6	15.4	27.7
\$35,000-49,999	732	23.8	19.3	28.4	24.5	19.1	29.9
\$50,000-74,999	720	18.3	14.3	22.3	18.0	13.5	22.6
\$75,000+	1,179	15.9	12.9	18.9	15.8	12.4	19.2

Definition: “Sometimes” response to the question: “You can find written health information on the internet, in newspapers and magazines, on medications, at the doctor’s office, in clinics, and many other places. How often is health information written in a way that is easy for you to understand?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 25 Health Literacy

**Table 25.2.3 Health information written in an easily understood way: Seldom or never**  
Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,552	5.6	4.8	6.4	5.4	4.5	6.2
<b>REGION</b>							
Central	524	2.7	1.6	3.9	2.3	1.3	3.4
Kansas City Metro	1,036	5.0	3.3	6.6	4.7	2.8	6.5
Northeast	509	8.6	5.7	11.5	8.5	5.3	11.8
Northwest	472	5.4	2.6	8.2	5.2	2.5	8.0
Southeast	957	11.5	8.3	14.7	11.0	7.6	14.4
Southwest	496	4.8	2.3	7.3	4.9	2.0	7.8
St. Louis Metro	1,558	5.1	3.7	6.5	5.1	3.6	6.5
<b>GENDER</b>							
Female	3,265	3.8	2.9	4.7	3.6	2.6	4.5
Male	2,287	7.5	6.1	8.9	7.3	5.9	8.7
<b>RACE</b>							
African-American	477	5.5	2.5	8.4	5.3	2.4	8.3
Other	316	7.9	3.5	12.4	8.3	4.2	12.4
White	4,759	5.4	4.6	6.2	5.1	4.2	6.0
<b>EDUCATION</b>							
< High School	491	10.8	7.0	14.6	11.0	6.8	15.1
High School	1,832	7.7	6.0	9.3	7.7	5.8	9.6
High School +	3,211	3.3	2.6	4.1	3.2	2.4	3.9
<b>INCOME</b>							
<\$15,000	558	7.3	4.8	9.8	6.5	4.3	8.8
\$15,000-24,999	739	8.8	5.3	12.2	9.1	5.3	12.9
\$25,000-34,999	546	4.6	2.5	6.7	4.1	1.9	6.2
\$35,000-49,999	732	4.5	2.7	6.4	4.0	2.2	5.8
\$50,000-74,999	720	5.1	3.1	7.2	4.2	2.6	5.8
\$75,000+	1,179	3.8	2.4	5.2	3.6	2.3	5.0

Definition: “Seldom or never” response to the question: “You can find written health information on the internet, in newspapers and magazines, on medications, at the doctor’s office, in clinics, and many other places. How often is health information written in a way that is easy for you to understand?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 25 Health Literacy

**Table 25.3.1 Had someone to help them read health information: Always or nearly always**  
Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,628	9.2	8.1	10.3	8.9	7.7	10.1
<b>REGION</b>							
Central	539	9.4	6.2	12.5	8.9	5.6	12.1
Kansas City Metro	1,051	8.0	5.8	10.2	7.6	5.3	10.0
Northeast	510	9.4	5.9	12.9	8.6	5.2	12.1
Northwest	477	10.9	6.4	15.5	9.6	5.7	13.5
Southeast	974	12.5	9.5	15.6	12.6	9.2	16.1
Southwest	506	11.2	7.3	15.0	11.9	7.4	16.3
St. Louis Metro	1,571	7.9	6.1	9.7	7.7	5.7	9.6
<b>GENDER</b>							
Female	3,293	7.7	6.3	9.2	7.6	6.0	9.2
Male	2,335	10.8	9.1	12.6	10.4	8.6	12.2
<b>RACE</b>							
African-American	487	10.0	6.3	13.7	9.5	6.0	13.0
Other	320	15.1	8.3	21.8	14.1	8.5	19.8
White	4,821	8.7	7.6	9.8	8.2	7.0	9.4
<b>EDUCATION</b>							
< High School	512	17.2	12.6	21.8	16.3	11.7	20.9
High School	1,853	12.0	9.7	14.2	12.5	9.5	15.5
High School +	3,244	6.0	4.9	7.1	5.8	4.6	7.0
<b>INCOME</b>							
<\$15,000	568	14.4	10.2	18.6	12.9	9.1	16.7
\$15,000-24,999	752	13.9	10.0	17.8	13.6	9.6	17.6
\$25,000-34,999	557	7.1	4.4	9.7	6.3	3.3	9.3
\$35,000-49,999	738	8.5	5.7	11.2	7.9	4.9	10.8
\$50,000-74,999	724	6.8	3.9	9.8	7.9	3.9	11.9
\$75,000+	1,189	5.2	3.5	7.0	5.8	3.7	8.0

Definition: “Always or nearly always” response to the question: “People who might help you read health information include family members, friends, caregivers, doctors, nurses, or other health professionals. How often do you have someone help you read health information?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 25 Health Literacy

**Table 25.3.2 Had someone to help them read health information: Sometimes  
Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)**

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,628	21.0	19.4	22.7	20.8	19.0	22.6
<b>REGION</b>							
Central	539	23.7	18.7	28.7	23.1	17.6	28.7
Kansas City Metro	1,051	18.2	15.0	21.4	18.9	14.9	22.8
Northeast	510	22.1	17.1	27.1	21.6	16.3	27.0
Northwest	477	20.0	14.9	25.0	18.7	13.6	23.8
Southeast	974	23.3	19.4	27.1	23.6	19.1	28.0
Southwest	506	22.4	17.2	27.7	21.6	16.2	27.0
St. Louis Metro	1,571	20.2	17.3	23.1	20.0	16.9	23.1
<b>GENDER</b>							
Female	3,293	20.5	18.3	22.8	20.8	18.2	23.4
Male	2,335	21.5	19.2	23.9	21.0	18.5	23.5
<b>RACE</b>							
African-American	487	24.0	18.8	29.3	23.6	18.1	29.0
Other	320	26.8	17.7	35.8	26.3	18.6	34.1
White	4,821	20.2	18.5	21.9	20.2	18.3	22.2
<b>EDUCATION</b>							
< High School	512	30.6	24.0	37.3	30.5	23.3	37.6
High School	1,853	22.6	19.9	25.3	22.1	18.7	25.4
High School +	3,244	17.9	15.9	19.9	18.2	16.1	20.3
<b>INCOME</b>							
<\$15,000	568	27.5	21.8	33.3	26.7	20.6	32.9
\$15,000-24,999	752	23.4	18.1	28.7	23.0	17.2	28.9
\$25,000-34,999	557	18.3	13.6	23.0	17.1	12.1	22.0
\$35,000-49,999	738	19.2	15.0	23.3	18.8	14.3	23.3
\$50,000-74,999	724	17.0	13.3	20.7	16.6	12.7	20.6
\$75,000+	1,189	18.4	15.2	21.7	19.6	16.0	23.2

Definition: “Sometimes” response to the question: “People who might help you read health information include family members, friends, caregivers, doctors, nurses, or other health professionals. How often do you have someone help you read health information?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 25 Health Literacy

**Table 25.3.3 Had someone to help them read health information: Seldom or never**  
Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,628	69.8	67.9	71.6	70.3	68.3	72.2
<b>REGION</b>							
Central	539	66.9	61.5	72.4	68.0	62.0	73.9
Kansas City Metro	1,051	73.8	70.2	77.4	73.5	69.2	77.8
Northeast	510	68.5	62.9	74.1	69.8	63.8	75.7
Northwest	477	69.1	62.9	75.3	71.7	65.8	77.6
Southeast	974	64.2	59.9	68.6	63.8	59.0	68.7
Southwest	506	66.4	60.6	72.2	66.5	60.5	72.5
St. Louis Metro	1,571	71.9	68.8	75.1	72.4	69.0	75.7
<b>GENDER</b>							
Female	3,293	71.7	69.3	74.2	71.6	68.9	74.4
Male	2,335	67.6	65.0	70.3	68.6	65.8	71.4
<b>RACE</b>							
African-American	487	66.0	60.1	71.9	66.9	61.0	72.9
Other	320	58.2	48.9	67.5	59.6	51.8	67.3
White	4,821	71.1	69.2	73.0	71.6	69.5	73.7
<b>EDUCATION</b>							
< High School	512	52.1	45.3	58.9	53.3	45.9	60.7
High School	1,853	65.5	62.3	68.6	65.4	61.4	69.5
High School +	3,244	76.1	74.0	78.2	76.0	73.7	78.2
<b>INCOME</b>							
<\$15,000	568	58.1	51.8	64.4	60.4	54.0	66.8
\$15,000-24,999	752	62.8	57.0	68.5	63.3	57.2	69.5
\$25,000-34,999	557	74.6	69.5	79.8	76.7	71.2	82.1
\$35,000-49,999	738	72.4	67.8	77.0	73.4	68.3	78.4
\$50,000-74,999	724	76.2	71.8	80.6	75.5	70.2	80.8
\$75,000+	1,189	76.4	72.9	79.9	74.6	70.8	78.4

Definition: “Seldom or never” response to the question: “People who might help you read health information include family members, friends, caregivers, doctors, nurses, or other health professionals. How often do you have someone help you read health information?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 26 Social Context

**Table 26.1.1 Always or usually worried about having enough money to pay rent or mortgage in the past 12 months**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,788	15.5	14.0	17.0	17.0	15.2	18.9
<b>REGION</b>							
Central	561	14.4	10.1	18.7	15.0	10.1	19.9
Kansas City Metro	1,086	14.9	11.9	18.0	17.2	12.8	21.5
Northeast	537	14.3	10.3	18.2	13.6	9.5	17.8
Northwest	492	19.7	13.5	26.0	21.1	14.9	27.3
Southeast	959	17.0	13.7	20.2	17.9	14.0	21.8
Southwest	523	15.8	11.4	20.2	16.7	11.3	22.0
St. Louis Metro	1,630	15.4	12.7	18.1	18.5	15.0	21.9
<b>GENDER</b>							
Female	3,438	16.7	14.6	18.7	18.6	16.1	21.2
Male	2,350	14.3	12.1	16.5	15.3	12.6	18.0
<b>RACE</b>							
African-American	497	23.9	18.3	29.5	25.1	18.9	31.2
Other	315	30.2	20.7	39.7	29.1	21.1	37.0
White	4,976	13.4	12.0	14.9	14.8	13.0	16.6
<b>EDUCATION</b>							
< High School	509	32.2	25.4	39.0	34.9	26.7	43.1
High School	1,907	14.7	12.4	17.1	16.9	13.7	20.2
High School +	3,361	12.6	10.9	14.2	13.6	11.6	15.6
<b>INCOME</b>							
<\$15,000	573	45.4	39.1	51.7	46.0	39.0	52.9
\$15,000-24,999	773	32.8	27.1	38.5	35.9	29.5	42.2
\$25,000-34,999	584	17.6	12.6	22.5	21.8	14.9	28.6
\$35,000-49,999	771	13.3	9.6	17.0	14.5	10.1	19.0
\$50,000-74,999	771	5.5	3.5	7.5	5.7	3.3	8.0
\$75,000+	1,266	4.5	2.7	6.3	7.7	4.1	11.2

Definition: “Always or usually” response to the question “How often in the past 12 months would you say you were worried or stressed about having enough money to pay your rent/mortgage?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 26 Social Context

**Table 26.1.2 Sometimes worried about having enough money to pay rent or mortgage in the past 12 months**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,788	16.7	15.2	18.2	17.8	15.9	19.6
<b>REGION</b>							
Central	561	17.8	13.2	22.4	18.8	13.5	24.1
Kansas City Metro	1,086	14.0	11.2	16.9	14.2	11.0	17.4
Northeast	537	14.4	9.6	19.1	14.6	9.6	19.6
Northwest	492	15.1	10.2	20.1	16.0	10.4	21.6
Southeast	959	19.1	14.7	23.4	21.2	16.0	26.4
Southwest	523	16.8	12.0	21.7	18.6	13.3	24.0
St. Louis Metro	1,630	17.2	14.6	19.8	17.0	14.0	19.9
<b>GENDER</b>							
Female	3,438	18.4	16.3	20.5	19.6	17.0	22.2
Male	2,350	14.7	12.5	16.9	15.6	13.0	18.3
<b>RACE</b>							
African-American	497	20.1	15.4	24.8	19.7	14.8	24.6
Other	315	17.5	11.0	23.9	17.0	11.0	23.0
White	4,976	16.2	14.5	17.9	17.7	15.6	19.9
<b>EDUCATION</b>							
< High School	509	21.8	16.2	27.4	23.9	17.0	30.8
High School	1,907	17.1	14.3	19.8	17.9	14.2	21.7
High School +	3,361	15.4	13.5	17.3	16.4	14.1	18.6
<b>INCOME</b>							
<\$15,000	573	24.2	18.8	29.5	25.6	19.3	31.9
\$15,000-24,999	773	20.7	16.2	25.2	20.9	16.0	25.9
\$25,000-34,999	584	18.7	13.9	23.5	20.1	14.3	25.9
\$35,000-49,999	771	15.6	11.7	19.5	16.9	12.2	21.6
\$50,000-74,999	771	17.0	12.7	21.2	20.0	13.7	26.3
\$75,000+	1,266	9.2	6.9	11.6	9.5	6.5	12.4

Definition: “Sometimes” response to the question “How often in the past 12 months would you say you were worried or stressed about having enough money to pay your rent/mortgage?”



# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 26 Social Context

**Table 26.1.3 Rarely or never worried about having enough money to pay rent or mortgage in the past 12 months**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	5,788	67.8	66.0	69.7	65.2	63.0	67.5
<b>REGION</b>							
Central	561	67.8	62.3	73.4	66.2	59.9	72.4
Kansas City Metro	1,086	71.0	67.3	74.8	68.7	63.7	73.7
Northeast	537	71.4	65.8	76.9	71.8	65.8	77.7
Northwest	492	65.2	58.4	71.9	62.9	56.0	69.8
Southeast	959	64.0	59.3	68.7	60.9	55.3	66.5
Southwest	523	67.4	61.7	73.1	64.7	57.9	71.5
St. Louis Metro	1,630	67.4	64.1	70.7	64.6	60.7	68.5
<b>GENDER</b>							
Female	3,438	64.9	62.4	67.4	61.7	58.8	64.7
Male	2,350	71.0	68.3	73.8	69.1	65.8	72.4
<b>RACE</b>							
African-American	497	56.0	49.7	62.2	55.3	48.4	62.2
Other	315	52.4	43.2	61.5	53.9	45.9	61.9
White	4,976	70.4	68.4	72.3	67.5	65.1	69.9
<b>EDUCATION</b>							
< High School	509	46.0	39.3	52.8	41.3	33.3	49.2
High School	1,907	68.2	65.0	71.4	65.2	60.9	69.4
High School +	3,361	72.0	69.8	74.3	70.0	67.4	72.6
<b>INCOME</b>							
<\$15,000	573	30.4	24.9	36.0	28.5	22.4	34.6
\$15,000-24,999	773	46.5	40.9	52.2	43.2	37.0	49.4
\$25,000-34,999	584	63.7	57.9	69.6	58.2	50.9	65.4
\$35,000-49,999	771	71.1	66.3	75.9	68.6	62.9	74.3
\$50,000-74,999	771	77.5	73.1	82.0	74.4	68.0	80.7
\$75,000+	1,266	86.3	83.4	89.1	82.9	78.8	87.0

Definition: "Rarely or never" response to the question "How often in the past 12 months would you say you were worried or stressed about having enough money to pay your rent/mortgage?"

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 26 Social Context**

**Table 26.2.1 Always or usually worried about having enough money to buy nutritious meals in the past 12 months**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,264	11.4	10.1	12.7	12.2	10.7	13.7
<b>REGION</b>							
Central	600	11.2	7.6	14.9	12.1	7.9	16.4
Kansas City Metro	1,184	11.0	8.3	13.7	12.8	9.5	16.2
Northeast	567	9.5	6.0	12.9	9.2	5.6	12.8
Northwest	526	15.6	9.6	21.6	17.3	11.3	23.3
Southeast	1,067	13.8	10.2	17.4	14.1	10.1	18.1
Southwest	557	13.2	9.2	17.2	14.0	9.3	18.7
St. Louis Metro	1,763	10.1	7.9	12.4	10.9	8.4	13.4
<b>GENDER</b>							
Female	3,687	13.7	11.9	15.6	15.1	12.9	17.4
Male	2,577	8.9	7.2	10.7	9.3	7.3	11.2
<b>RACE</b>							
African-American	547	14.8	10.4	19.2	15.1	10.4	19.8
Other	350	27.8	18.9	36.7	26.0	18.7	33.2
White	5,367	9.8	8.6	11.0	10.6	9.1	12.1
<b>EDUCATION</b>							
< High School	577	23.7	17.6	29.8	24.7	18.2	31.2
High School	2,090	11.5	9.4	13.6	13.0	10.3	15.7
High School +	3,575	8.7	7.4	10.1	9.1	7.6	10.7
<b>INCOME</b>							
<\$15,000	649	34.6	29.1	40.1	33.7	27.9	39.4
\$15,000-24,999	838	24.4	19.2	29.5	26.1	20.5	31.6
\$25,000-34,999	616	13.6	8.8	18.4	17.3	10.7	23.8
\$35,000-49,999	802	7.6	4.4	10.8	8.3	4.8	11.9
\$50,000-74,999	807	4.7	2.5	6.8	5.2	2.7	7.7
\$75,000+	1,323	2.3	0.9	3.7	3.1	1.2	5.0

Definition: “Always or usually” response to the question “How often in the past 12 months would you say you were worried or stressed about having enough money to buy nutritious meals?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 26 Social Context

**Table 26.2.2 Sometimes worried about having enough money to buy nutritious meals in the past 12 months**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,264	13.1	11.8	14.4	14.0	12.5	15.5
<b>REGION</b>							
Central	600	15.6	11.3	19.8	16.2	11.4	21.0
Kansas City Metro	1,184	9.9	7.6	12.1	10.8	8.2	13.5
Northeast	567	10.4	6.4	14.3	10.5	6.5	14.4
Northwest	526	12.1	8.0	16.2	11.5	7.5	15.4
Southeast	1,067	16.0	12.8	19.2	17.6	13.7	21.5
Southwest	557	13.0	8.6	17.4	12.9	8.1	17.7
St. Louis Metro	1,763	13.4	11.2	15.6	14.1	11.6	16.6
<b>GENDER</b>							
Female	3,687	14.3	12.6	16.1	15.1	13.1	17.1
Male	2,577	11.8	9.9	13.7	12.7	10.5	15.0
<b>RACE</b>							
African-American	547	19.5	14.9	24.1	19.6	14.5	24.7
Other	350	18.0	11.4	24.5	17.9	12.3	23.6
White	5,367	12.0	10.6	13.3	12.9	11.3	14.5
<b>EDUCATION</b>							
< High School	577	18.2	13.6	22.8	19.5	14.1	24.9
High School	2,090	13.0	10.7	15.4	14.6	11.4	17.7
High School +	3,575	12.0	10.4	13.6	12.8	11.0	14.6
<b>INCOME</b>							
<\$15,000	649	18.9	14.5	23.3	19.4	14.5	24.2
\$15,000-24,999	838	22.3	17.9	26.8	23.4	18.3	28.4
\$25,000-34,999	616	14.4	10.4	18.5	14.6	10.4	18.9
\$35,000-49,999	802	13.1	9.6	16.6	14.0	9.9	18.2
\$50,000-74,999	807	8.9	5.8	12.1	10.2	6.5	13.9
\$75,000+	1,323	6.4	4.3	8.5	6.6	4.4	8.8

Definition: “Sometimes” response to the question “How often in the past 12 months would you say you were worried or stressed about having enough money to buy nutritious meals?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 26 Social Context

**Table 26.2.3 Rarely or never worried about having enough money to buy nutritious meals in the past 12 months**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,264	75.5	73.8	77.1	73.8	71.9	75.7
<b>REGION</b>							
Central	600	73.2	68.1	78.3	71.7	66.0	77.4
Kansas City Metro	1,184	79.2	75.9	82.4	76.3	72.3	80.3
Northeast	567	80.2	75.3	85.1	80.4	75.4	85.3
Northwest	526	72.3	65.8	78.7	71.3	65.1	77.4
Southeast	1,067	70.2	66.0	74.5	68.3	63.5	73.0
Southwest	557	73.8	68.5	79.2	73.1	67.1	79.2
St. Louis Metro	1,763	76.4	73.6	79.3	75.0	71.8	78.2
<b>GENDER</b>							
Female	3,687	72.0	69.7	74.3	69.8	67.2	72.4
Male	2,577	79.2	76.8	81.6	78.0	75.3	80.7
<b>RACE</b>							
African-American	547	65.7	60.0	71.4	65.3	59.2	71.4
Other	350	54.3	45.6	63.0	56.1	48.5	63.7
White	5,367	78.2	76.5	79.9	76.5	74.5	78.5
<b>EDUCATION</b>							
< High School	577	58.1	51.6	64.5	55.8	48.7	62.9
High School	2,090	75.5	72.6	78.3	72.4	68.7	76.1
High School +	3,575	79.3	77.3	81.3	78.1	75.9	80.2
<b>INCOME</b>							
<\$15,000	649	46.5	40.6	52.4	47.0	40.8	53.2
\$15,000-24,999	838	53.3	47.8	58.8	50.6	44.8	56.4
\$25,000-34,999	616	72.0	66.4	77.5	68.1	61.0	75.2
\$35,000-49,999	802	79.3	74.9	83.7	77.6	72.5	82.7
\$50,000-74,999	807	86.4	82.8	90.1	84.6	80.5	88.8
\$75,000+	1,323	91.3	88.8	93.7	90.3	87.6	93.1

Definition: "Rarely or never" response to the question "How often in the past 12 months would you say you were worried or stressed about having enough money to buy nutritious meals?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 26 Social Context

**Table 26.3.1 At the main job or business, generally paid by salary**  
*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	2,701	30.3	28.0	32.6	28.4	26.1	30.7
<b>REGION</b>							
Central	232	31.1	23.8	38.3	26.7	20.0	33.4
Kansas City Metro	534	31.6	26.8	36.4	30.3	25.4	35.2
Northeast	244	27.5	20.3	34.6	26.3	19.6	33.0
Northwest	242	28.2	20.0	36.5	25.9	18.5	33.2
Southeast	407	19.3	14.5	24.0	18.6	13.9	23.3
Southwest	220	31.1	23.6	38.6	31.8	24.1	39.6
St. Louis Metro	822	32.4	28.4	36.3	29.8	26.0	33.5
<b>GENDER</b>							
Female	1,442	30.6	27.4	33.7	28.2	25.2	31.2
Male	1,259	30.0	26.7	33.3	28.5	25.2	31.8
<b>RACE</b>							
African-American	215	17.0	11.0	23.1	18.6	11.8	25.5
Other	150	32.1	21.1	43.1	32.5	22.3	42.8
White	2,336	31.8	29.3	34.3	29.4	27.0	31.9
<b>EDUCATION</b>							
< High School	118	12.8	5.0	20.6	11.3	4.7	18.0
High School	766	18.4	14.9	21.9	16.4	12.8	19.9
High School +	1,813	38.2	35.2	41.1	35.7	32.8	38.7
<b>INCOME</b>							
<\$15,000	82	7.2	0.0	15.0	6.8	0.5	13.0
\$15,000-24,999	235	11.7	5.7	17.6	11.4	5.8	16.9
\$25,000-34,999	244	20.2	13.7	26.8	19.4	12.9	26.0
\$35,000-49,999	384	22.0	16.5	27.4	20.3	15.3	25.3
\$50,000-74,999	481	35.0	29.2	40.8	31.5	25.6	37.4
\$75,000+	932	47.1	42.8	51.3	44.0	39.4	48.6

Definition: "Paid by salary" response to the question "At your main job or business, how are you generally paid for the work you do?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 26 Social Context

**Table 26.3.2 At the main job or business, generally paid by hour**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	2,701	54.2	51.7	56.8	53.8	51.2	56.5
<b>REGION</b>							
Central	232	51.3	43.1	59.5	52.0	44.1	59.9
Kansas City Metro	534	57.0	51.7	62.4	56.8	51.5	62.1
Northeast	244	54.6	46.3	62.8	52.9	45.0	60.9
Northwest	242	57.4	48.7	66.0	57.7	49.9	65.4
Southeast	407	61.3	54.9	67.7	60.1	53.8	66.4
Southwest	220	49.7	41.2	58.2	46.7	38.3	55.1
St. Louis Metro	822	53.5	49.1	57.8	53.7	49.1	58.2
<b>GENDER</b>							
Female	1,442	58.8	55.3	62.2	59.9	56.5	63.2
Male	1,259	50.3	46.5	54.1	48.6	44.8	52.4
<b>RACE</b>							
African-American	215	74.1	66.6	81.6	70.1	61.9	78.4
Other	150	41.3	30.4	52.1	38.1	27.7	48.6
White	2,336	52.8	50.0	55.6	53.1	50.3	55.9
<b>EDUCATION</b>							
< High School	118	65.8	54.2	77.3	66.9	56.3	77.4
High School	766	63.8	59.2	68.4	62.5	57.4	67.5
High School +	1,813	48.2	45.1	51.3	48.4	45.2	51.5
<b>INCOME</b>							
<\$15,000	82	83.3	73.4	93.2	77.0	66.3	87.7
\$15,000-24,999	235	68.1	58.9	77.2	66.2	57.5	74.9
\$25,000-34,999	244	68.8	61.3	76.2	67.0	59.3	74.6
\$35,000-49,999	384	64.7	58.4	70.9	65.3	59.1	71.4
\$50,000-74,999	481	49.1	42.9	55.2	50.4	43.7	57.2
\$75,000+	932	36.8	32.7	40.9	37.2	33.0	41.5

Definition: "Paid by hour" response to the question "At your main job or business, how are you generally paid for the work you do?"

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 26 Social Context**

**Table 26.3.3 At the main job or business, generally paid by the job, task or other way  
Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)**

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	2,701	15.5	13.5	17.4	17.8	15.7	19.9
<b>REGION</b>							
Central	232	17.7	11.3	24.0	21.3	14.8	27.8
Kansas City Metro	534	11.4	7.8	14.9	12.9	9.1	16.6
Northeast	244	18.0	11.5	24.5	20.8	14.3	27.3
Northwest	242	14.4	8.9	19.9	16.5	10.9	22.1
Southeast	407	19.4	14.3	24.6	21.3	16.1	26.6
Southwest	220	19.2	12.4	26.1	21.5	14.1	28.8
St. Louis Metro	822	14.2	11.0	17.3	16.6	13.0	20.2
<b>GENDER</b>							
Female	1,442	10.7	8.5	12.9	12.0	9.7	14.3
Male	1,259	19.7	16.6	22.8	22.9	19.6	26.2
<b>RACE</b>							
African-American	215	8.9	3.7	14.1	11.2	3.7	18.8
Other	150	26.6	15.1	38.1	29.4	19.1	39.7
White	2,336	15.5	13.4	17.5	17.5	15.3	19.6
<b>EDUCATION</b>							
< High School	118	21.4	11.4	31.5	21.8	12.6	31.1
High School	766	17.8	14.0	21.7	21.2	16.7	25.7
High School +	1,813	13.6	11.5	15.8	15.9	13.5	18.2
<b>INCOME</b>							
<\$15,000	82	9.5	3.0	16.1	16.3	6.9	25.7
\$15,000-24,999	235	20.3	12.1	28.5	22.5	14.4	30.5
\$25,000-34,999	244	11.0	6.5	15.5	13.6	8.2	19.0
\$35,000-49,999	384	13.4	9.4	17.3	14.5	10.1	18.8
\$50,000-74,999	481	15.9	11.3	20.6	18.1	12.6	23.6
\$75,000+	932	16.1	12.7	19.6	18.8	15.0	22.5

Definition: “By the job, task (commission, piecework) or some other way” response to the question “At your main job or business, how are you generally paid for the work you do?”

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 26 Social Context

**Table 26.4.1 Worked less than 40 hours per week on all of their jobs and businesses combined**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	2,641	22.7	20.6	24.9	27.4	25.1	29.7
<b>REGION</b>							
Central	228	15.7	10.1	21.3	22.0	16.0	28.1
Kansas City Metro	521	20.4	16.3	24.5	25.0	20.3	29.7
Northeast	238	18.2	11.9	24.4	20.9	15.1	26.7
Northwest	233	26.6	17.6	35.6	30.0	21.7	38.3
Southeast	395	27.0	21.1	32.9	29.8	23.7	36.0
Southwest	215	17.4	11.1	23.8	19.3	12.5	26.1
St. Louis Metro	811	26.8	22.9	30.7	33.0	28.9	37.0
<b>GENDER</b>							
Female	1,405	31.7	28.3	35.0	37.1	33.6	40.5
Male	1,236	14.9	12.2	17.6	18.9	15.8	21.9
<b>RACE</b>							
African-American	212	26.8	18.7	34.8	33.2	24.9	41.5
Other	145	24.0	14.0	34.0	21.4	12.0	30.8
White	2,284	22.1	19.9	24.4	26.9	24.4	29.3
<b>EDUCATION</b>							
< High School	111	31.5	19.5	43.5	38.2	27.8	48.6
High School	746	23.2	19.3	27.2	26.5	22.2	30.8
High School +	1,779	21.5	19.0	23.9	26.5	23.7	29.2
<b>INCOME</b>							
<\$15,000	76	68.4	54.9	81.8	70.7	59.5	81.9
\$15,000-24,999	228	31.8	23.2	40.3	37.0	28.9	45.1
\$25,000-34,999	245	21.6	15.4	27.8	28.5	22.6	34.5
\$35,000-49,999	375	21.9	16.6	27.3	28.0	22.4	33.6
\$50,000-74,999	472	18.0	13.4	22.5	22.3	16.8	27.9
\$75,000+	918	14.2	11.3	17.0	18.0	14.1	21.9

Definition: Number of hours responded to the question “About how many hours do you work per week on all of your jobs and businesses combined?”



# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 26 Social Context

**Table 26.4.2 Worked 40 hours per week on all of their jobs and businesses combined**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	2,641	32.5	30.0	35.0	30.4	28.0	32.9
<b>REGION</b>							
Central	228	38.7	30.7	46.8	36.3	28.2	44.5
Kansas City Metro	521	39.0	33.5	44.5	36.5	30.9	42.1
Northeast	238	28.6	21.0	36.3	27.5	20.2	34.7
Northwest	233	29.0	21.5	36.5	27.0	20.2	33.8
Southeast	395	29.1	22.2	36.0	28.8	22.4	35.1
Southwest	215	28.0	20.0	36.0	26.5	18.9	34.1
St. Louis Metro	811	31.2	27.1	35.2	28.1	24.3	31.9
<b>GENDER</b>							
Female	1,405	37.4	33.9	40.9	34.8	31.3	38.3
Male	1,236	28.2	24.7	31.7	26.7	23.3	30.0
<b>RACE</b>							
African-American	212	39.0	30.0	47.9	36.3	27.7	44.9
Other	145	34.8	24.1	45.4	34.0	24.8	43.2
White	2,284	31.6	28.9	34.2	29.7	27.1	32.4
<b>EDUCATION</b>							
< High School	111	32.7	20.4	44.9	29.0	18.6	39.4
High School	746	32.9	28.3	37.6	31.2	26.2	36.1
High School +	1,779	32.3	29.3	35.3	30.1	27.2	33.0
<b>INCOME</b>							
<\$15,000	76	20.6	9.3	31.9	18.0	9.2	26.8
\$15,000-24,999	228	43.6	33.9	53.3	39.8	31.3	48.2
\$25,000-34,999	245	39.4	30.7	48.0	36.5	28.3	44.7
\$35,000-49,999	375	34.5	27.8	41.1	32.0	25.3	38.7
\$50,000-74,999	472	28.8	23.3	34.2	26.6	20.9	32.3
\$75,000+	918	30.1	26.2	34.0	29.9	25.4	34.5

Definition: Number of hours responded to the question “About how many hours do you work per week on all of your jobs and businesses combined?”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 26 Social Context**

**Table 26.4.3 Worked more than 40 hours per week on all of their jobs and businesses combined**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

		<i>Prevalence</i>			<i>Age-adjusted Prevalence</i>		
<b>Demographic</b>	<b>Sample Size</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>	<b>%</b>	<b>Lower CI</b>	<b>Upper CI</b>
OVERALL	3,180	35.0	32.7	37.2	33.5	31.3	35.7
<b>REGION</b>							
Central	265	37.3	29.9	44.8	34.9	27.7	42.1
Kansas City Metro	754	24.6	20.9	28.3	24.2	20.3	28.0
Northeast	258	47.4	39.3	55.4	45.9	38.3	53.5
Northwest	264	37.5	29.7	45.3	37.1	29.9	44.3
Southeast	440	39.1	32.8	45.3	37.4	31.3	43.5
Southwest	258	42.9	35.3	50.6	43.0	35.3	50.8
St. Louis Metro	941	34.8	31.0	38.7	32.5	28.7	36.4
<b>GENDER</b>							
Female	1,646	24.8	22.0	27.6	22.9	20.2	25.6
Male	1,534	43.4	40.1	46.7	42.4	39.1	45.7
<b>RACE</b>							
African-American	264	25.0	18.3	31.7	22.6	16.7	28.5
Other	207	26.0	17.3	34.6	29.4	20.1	38.7
White	2,709	37.1	34.6	39.5	35.1	32.7	37.5
<b>EDUCATION</b>							
< High School	140	26.6	17.1	36.1	24.4	15.9	32.8
High School	877	35.9	31.7	40.2	35.1	30.5	39.7
High School +	2,157	35.5	32.9	38.2	34.3	31.6	37.0
<b>INCOME</b>							
<\$15,000	97	8.6	1.7	15.5	9.4	2.5	16.2
\$15,000-24,999	279	19.0	12.3	25.8	18.3	12.1	24.5
\$25,000-34,999	299	30.5	23.7	37.4	27.3	21.2	33.3
\$35,000-49,999	452	33.4	27.5	39.3	30.4	25.0	35.8
\$50,000-74,999	549	42.0	36.3	47.7	41.0	35.2	46.9
\$75,000+	1,108	43.8	39.9	47.6	41.9	37.7	46.0

Definition: Number of hours responded to the question “About how many hours do you work per week on all of your jobs and businesses combined?”

**MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015**

**Chapter 27 Sexual Orientation and Gender Identity**

**Table 27.1 Consider oneself to be lesbian or gay, bisexual, or other non-straight**

*Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)*

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,163	4.2	3.2	5.1	4.6	3.5	5.7
<b>REGION</b>							
Central	588	3.1	1.2	5.0	3.0	1.2	4.8
Kansas City Metro	1,161	2.9	1.7	4.0	3.3	1.8	4.7
Northeast	558	3.0	0.8	5.2	3.7	0.8	6.6
Northwest	514	2.8	0.8	4.7	3.0	0.8	5.2
Southeast	1,054	2.3	0.8	3.7	2.7	0.9	4.5
Southwest	556	6.6	3.2	10.0	7.9	3.8	12.0
St. Louis Metro	1,732	4.9	3.1	6.8	5.3	3.2	7.4
<b>GENDER</b>							
Female	3,626	4.9	3.4	6.4	5.9	4.0	7.7
Male	2,537	3.4	2.3	4.4	3.3	2.2	4.4
<b>RACE</b>							
African-American	543	2.8	0.9	4.7	3.0	1.0	5.0
Other	337	15.4	6.0	24.8	12.6	6.6	18.6
White	5,283	3.5	2.7	4.3	3.9	2.9	4.8
<b>EDUCATION</b>							
< High School	563	7.7	2.5	12.9	7.7	2.9	12.6
High School	2,048	3.2	1.9	4.5	3.7	2.0	5.4
High School +	3,534	3.8	2.9	4.8	4.1	3.0	5.1
<b>INCOME</b>							
<\$15,000	633	2.8	1.4	4.1	2.8	1.3	4.2
\$15,000-24,999	821	7.3	2.8	11.8	7.6	3.2	12.1
\$25,000-34,999	611	3.6	1.2	6.0	3.5	1.1	6.0
\$35,000-49,999	795	3.8	1.8	5.7	4.5	2.1	6.9
\$50,000-74,999	804	3.5	1.7	5.3	3.9	1.5	6.4
\$75,000+	1,316	2.6	1.5	3.8	2.9	1.4	4.4

Definition: "Lesbian or gay, bisexual, or other" response to the question "Do you consider yourself to be: ?"

# MISSOURI BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM - 2015

## Chapter 27 Sexual Orientation and Gender Identity

### Table 27.2 Consider oneself to be transgender

Prevalence and Age-adjusted Prevalence with 95% Confidence Intervals (CI)

Demographic	Sample Size	Prevalence			Age-adjusted Prevalence		
		%	Lower CI	Upper CI	%	Lower CI	Upper CI
OVERALL	6,193	0.7	0.2	1.1	0.7	0.2	1.1
<b>REGION</b>							
Central	590	0.6	0.0	1.4	0.5	0.0	1.2
Kansas City Metro	1,173	0.2	0.0	0.4	0.2	0.0	0.5
Northeast	556	0.6	0.0	1.3	0.8	0.0	1.9
Northwest	518	0.5	0.0	1.0	0.4	0.0	0.9
Southeast	1,058	0.5	0.0	1.2	0.4	0.0	0.9
Southwest	554	1.0	0.0	2.6	0.8	0.0	2.3
St. Louis Metro	1,744	0.9	0.0	1.7	0.9	0.0	1.9
<b>GENDER</b>							
Female	3,650	0.6	0.0	1.1	0.6	0.0	1.3
Male	2,543	0.8	0.1	1.4	0.7	0.1	1.4
<b>RACE</b>							
African-American	548	0.8	0.0	2.0	0.8	0.0	2.0
Other	346	2.8	0.0	7.1	2.3	0.0	5.4
White	5,299	0.5	0.1	0.9	0.5	0.1	0.9
<b>EDUCATION</b>							
< High School	566	3.0	0.0	6.2	2.7	0.1	5.3
High School	2,052	0.6	0.2	0.9	0.5	0.2	0.7
High School +	3,555	0.2	0.0	0.4	0.2	0.0	0.4
<b>INCOME</b>							
<\$15,000	640	0.3	0.0	0.6	0.2	0.0	0.5
\$15,000-24,999	825	1.3	0.0	3.3	1.2	0.0	3.0
\$25,000-34,999	610	0.4	0.0	1.2	0.2	0.0	0.6
\$35,000-49,999	794	0.6	0.0	1.3	0.5	0.0	1.0
\$50,000-74,999	801	0.2	0.0	0.4	0.2	0.0	0.6
\$75,000+	1,319	0.2	0.0	0.5	0.2	0.0	0.5

Definition: “Yes, transgender, male-to-female; yes, transgender, female to male; or yes, transgender, gender nonconforming” response to the question “Do you consider yourself to be transgender?”

