

# Kansas Behavioral Risk Factor Surveillance System – Local Data, 2009

## West Central Public Health Initiative



Kansas BRFSS  
Bureau of Health Promotion  
Kansas Department of Health and Environment  
1000 SW Jackson St., Suite 230  
Topeka, Kansas 66612-1274  
[www.kdheks.gov/brfss/index.html](http://www.kdheks.gov/brfss/index.html)

# **Kansas Behavioral Risk Factor Surveillance System – Local Data, 2009**

State of Kansas  
Mark Parkinson, Governor

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## **Project Funding:**

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**Kansas Department of Health and Environment**  
**Bureau of Health Promotion**  
October 2010

**Kansas Department of Health and Environment (KDHE)**  
**Mission**

To protect the health and environment of all Kansans by promoting responsible choices.

Through education, direct services and the assessment of data and trends, coupled with policy development and enforcement, KDHE will improve health and quality of life. We prevent illness, injuries and foster a safe and sustainable environment for the people of Kansas.

[www.kdheks.gov](http://www.kdheks.gov)

## Foreword

The Behavioral Risk Factor Surveillance System (BRFSS) is the largest continuously conducted telephone survey in the world. The Kansas Department of Health and Environment's Bureau of Health Promotion (BHP) first collected state level health risk information in Kansas in 1990 as a point-in-time BRFSS survey. Since 1992, the Bureau has conducted the Kansas BRFSS survey continuously, enabling public health officials the ability to detect and monitor the trends in risk factors and health behaviors of adult Kansans (18 years and older) that are of greatest public health importance to Kansas. Public support of the survey is demonstrated by high response rates, resulting in consistently high data quality with respect to scientific validity and reliability, as indicated by above average CASRO Response Rates and other measures of data quality set by the Centers for Disease Control and Prevention (CDC).

Prior to 2009, the sample size for the Kansas survey was sufficient to produce state level estimates of health risk. Beginning in 2009, the Kansas BRFSS has been expanded in response to a growing demand from local health officials for local level health risk statistics. As a result, the survey will collect adequate sample during odd years (2009, 2011, 2013, 2015, 2017) over a 10 year time period to provide local level estimates from a single year of survey data.

During the 2009 survey year, data were collected from more than 18,000 adult Kansans, providing estimates for 61 of the state's 105 counties and for 16 Public Health Preparedness Regions, with data for 31 health risk indicators analyzed at the subpopulation level. By the conclusion of the 10 year project, the majority of Kansas counties will have county-specific data for use in examining trends in selected health indicators.

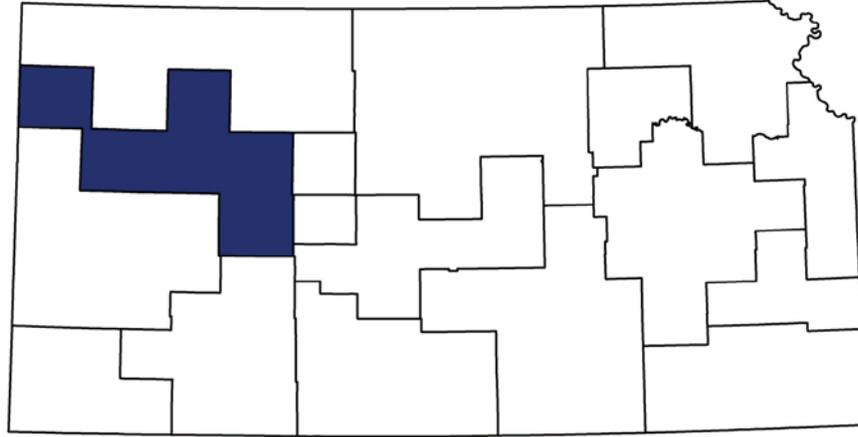
This significant enhancement is made possible by a grant from the Kansas Health Foundation (KHF), a private philanthropy dedicated to improving the health of all Kansans. This report is intended for use by local and regional public health officials, community leaders and policy makers to measure and monitor health conditions and behaviors related to chronic and communicable diseases, disability and injury with ability to compare to state and national statistics.

Sherlock Holmes, the legendary detective created by Sir Arthur Conan Doyle, once said, "It is a capital mistake to theorize before one has data." Unfortunately, such mistakes are made in the practice of public health every day. Now that county- and region-specific BRFSS data are available in Kansas, we who devote our lives to public health practice are in a much better position to theorize about the underlying causes of serious health problems in our communities. And ultimately, we are much better positioned to take targeted action that will significantly improve the health of our communities.

Sincerely,

A handwritten signature in black ink that reads "Jason Eberhart-Phillips". The signature is written in a cursive style with a large initial 'J' and 'P'.

Jason Eberhart-Phillips, M.D., M.P.H.  
State Health Officer and Director of Health  
Kansas Department of Health and Environment



The West Central Public Health Initiative comprises the following counties:  
**Gove, Logan, Ness, Sheridan, Sherman, Trego**

Kansas Behavioral Risk Factor Surveillance System – Local Data, 2009 can also be accessed at <http://www.kdheks.gov/brfss/>

If you have any questions about survey methodology or need assistance interpreting the data, please contact:

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## Percentage of Adults Who Are Binge Drinkers, 2009

### West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	1847	14.5	13.7	15.3
West Central Public Health Initiative County	8	5.0	1.2	8.8
<b>Gender</b>				
Men	5	6.4	0.2	12.7
Women	*	*	*	*
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	5	7.6	0.6	14.6
65 Years and Older	*	*	*	*
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	8	5.5	1.3	9.7
<b>Race</b>				
White	8	5.3	1.3	9.3
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	*	*	*	*
Some College or College Graduate	6	6.4	0.8	12.0
<b>Annual Household Income</b>				
Less than \$35,000 per Year	*	*	*	*
\$35,000 or Higher per Year	*	*	*	*
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	7	6.6	1.2	11.9

**Numerator:** Respondents males having five or more drinks on one occasion in the past 30 days or females having four or more drinks on one occasion in the past 30 days.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

# Percentage of Adults Who Reported Heavy Alcohol Consumption in the Past 30 Days, 2009

## West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	645	4.1	3.6	4.6
West Central Public Health Initiative County	5	2.3	0.2	4.3
<b>Gender</b>				
Men	*	*	*	*
Women	*	*	*	*
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	*	*	*	*
65 Years and Older	*	*	*	*
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	5	2.5	0.3	4.8
<b>Race</b>				
White	5	2.4	0.2	4.6
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	*	*	*	*
Some College or College Graduate	*	*	*	*
<b>Annual Household Income</b>				
Less than \$35,000 per Year	*	*	*	*
\$35,000 or Higher per Year	*	*	*	*
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	*	*	*	*

**Numerator:** Male respondents who reported consuming an average of more than two drinks per day and female respondents who reported consuming an average of more than one drink per day during the past 30 days.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

## Percentage of Adults with Doctor Diagnosed Arthritis, 2009

### West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	6314	24.1	23.4	24.8
West Central Public Health Initiative County	59	31.8	23.6	40.0
<b>Gender</b>				
Men	15	22.6	11.0	34.3
Women	44	40.0	29.0	51.0
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	29	37.8	25.3	50.2
65 Years and Older	27	53.7	38.8	68.7
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	56	32.1	23.5	40.7
<b>Race</b>				
White	58	32.1	23.8	40.5
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	25	37.9	23.2	52.6
Some College or College Graduate	34	28.6	18.8	38.4
<b>Annual Household Income</b>				
Less than \$35,000 per Year	28	34.6	21.4	47.8
\$35,000 or Higher per Year	24	28.2	16.6	39.9
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	32	21.3	13.5	29.2

**Numerator:** Respondents who reported they had been told by a doctor or other health professional that they have some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

**Percentage of Adults with Doctor Diagnosed Arthritis Who Are Limited in Their Usual Activities Because of Arthritis or Joint Symptoms, 2009**

**West Central Public Health Initiative**

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	2867	44.9	43.4	46.5
West Central Public Health Initiative County	26	48.2	33.8	62.6
<b>Gender</b>				
Men	*	*	*	*
Women	*	*	*	*
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	*	*	*	*
65 Years and Older	*	*	*	*
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	24	47.9	33.1	62.7
<b>Race</b>				
White	25	47.6	33.0	62.1
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	*	*	*	*
Some College or College Graduate	*	*	*	*
<b>Annual Household Income</b>				
Less than \$35,000 per Year	*	*	*	*
\$35,000 or Higher per Year	*	*	*	*
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	*	*	*	*

**Numerator:** Respondents who reported any limitation in their usual activities because of arthritis or joint symptoms

**Denominator:** Respondents with doctor diagnosed arthritis, excluding unknowns and refusals.

\* Insufficient Sample

## Percentage of Adults with Diagnosed Cancer, 2009

### West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	2652	9.9	9.5	10.4
West Central Public Health Initiative County	20	11.5	6.3	16.8
<b>Gender</b>				
Men	7	10.5	2.4	18.5
Women	13	12.5	5.6	19.3
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	6	8.1	1.4	14.9
65 Years and Older	14	30.5	16.6	44.5
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	18	10.9	5.6	16.2
<b>Race</b>				
White	20	11.8	6.4	17.2
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	7	12.8	3.0	22.5
Some College or College Graduate	13	10.9	4.6	17.1
<b>Annual Household Income</b>				
Less than \$35,000 per Year	7	9.9	1.8	17.9
\$35,000 or Higher per Year	8	9.1	2.4	15.8
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	13	8.8	3.8	13.7

**Numerator:** Respondents reporting they had been told by a doctor, nurse or other health professional that they had cancer.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

**Percentage of Adults Who Provide Care or Assistance to a Friend or Family Member Who Has a Health Problem, Long-term Illness, or Disability, 2009**

**West Central Public Health Initiative**

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	5278	26.4	25.5	27.2
West Central Public Health Initiative County	44	23.4	15.9	30.9
<b>Gender</b>				
Men	11	16.1	6.3	26.0
Women	33	30.3	19.2	41.4
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	26	37.3	24.7	49.9
65 Years and Older	12	22.5	10.4	34.6
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	43	25.0	16.9	33.1
<b>Race</b>				
White	43	23.8	16.1	31.5
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	18	25.5	13.1	37.9
Some College or College Graduate	26	22.2	12.7	31.7
<b>Annual Household Income</b>				
Less than \$35,000 per Year	21	28.4	15.1	41.7
\$35,000 or Higher per Year	18	21.0	10.7	31.3
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	32	25.7	16.4	35.0

**Numerator:** Respondents who reported that they provided regular care or assistance to a family member or friend who has a health problem, long-term illness or disability in the past month.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

## Percentage of Adults with Current Asthma, 2009

### West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	1447	8.5	7.9	9.1
West Central Public Health Initiative County	13	9.6	2.8	16.4
<b>Gender</b>				
Men	*	*	*	*
Women	9	9.6	2.8	16.4
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	6	8.3	1.3	15.2
65 Years and Older	*	*	*	*
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	12	7.3	2.8	11.9
<b>Race</b>				
White	12	7.0	2.6	11.3
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	7	20.2	3.6	36.8
Some College or College Graduate	6	3.7	0.6	6.8
<b>Annual Household Income</b>				
Less than \$35,000 per Year	9	11.1	3.0	19.2
\$35,000 or Higher per Year	*	*	*	*
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	7	6.5	1.3	11.6

**Numerator:** Respondents reporting they had been told by a doctor or health care professional that they had asthma and that they currently have asthma.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

## Percentage of Adults with Diagnosed Diabetes, 2009

### West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	2267	8.5	8.1	9.0
West Central Public Health Initiative County	19	9.2	4.6	13.9
<b>Gender</b>				
Men	7	9.7	1.7	17.7
Women	12	8.8	3.8	13.8
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	5	5.1	0.5	9.6
65 Years and Older	12	19.2	8.7	29.7
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	17	8.6	4.1	13.2
<b>Race</b>				
White	18	9.4	4.5	14.2
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	7	10.3	1.6	19.0
Some College or College Graduate	12	8.6	3.2	14.0
<b>Annual Household Income</b>				
Less than \$35,000 per Year	10	10.7	3.0	18.3
\$35,000 or Higher per Year	7	9.2	1.7	16.7
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	12	8.0	3.1	12.8

**Numerator:** Respondents reporting they had been told by a doctor they had diabetes, excluding females told only during pregnancy and pre\*diabetes or borderline diabetes.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

## Percentage of Adults Who Reported Living with a Disability, 2009

### West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	4971	20.5	19.7	21.2
West Central Public Health Initiative County	43	30.5	21.4	39.5
<b>Gender</b>				
Men	15	30.5	15.6	45.4
Women	28	30.4	19.7	41.1
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	12	15.9	6.8	24.9
65 Years and Older	22	48.1	33.1	63.0
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	38	27.8	19.1	36.6
<b>Race</b>				
White	41	28.6	20.1	37.1
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	17	35.3	18.7	51.8
Some College or College Graduate	26	27.6	17.1	38.1
<b>Annual Household Income</b>				
Less than \$35,000 per Year	24	36.1	22.4	49.9
\$35,000 or Higher per Year	10	16.6	5.9	27.2

**Numerator:** Respondents who reported they were limited in any activities because of physical, mental, or emotional problems or who reported having a health problem that requires them to use special equipment such as a cane, a wheelchair, a special bed, or a special telephone.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

**Percentage of Adults Who Reported Activity Limitations Due to Physical,  
Mental, or Emotional Problems, 2009**

**West Central Public Health Initiative**

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	4526	18.9	18.1	19.6
West Central Public Health Initiative County	40	28.5	19.6	37.4
<b>Gender</b>				
Men	14	28.7	13.9	43.4
Women	26	28.3	17.7	38.9
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	12	15.9	6.8	24.9
65 Years and Older	19	41.1	26.1	56.0
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	36	26.2	17.7	34.7
<b>Race</b>				
White	38	26.5	18.2	34.9
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	15	31.6	15.1	48.2
Some College or College Graduate	25	26.7	16.3	37.0
<b>Annual Household Income</b>				
Less than \$35,000 per Year	22	32.4	19.2	45.6
\$35,000 or Higher per Year	10	16.6	5.9	27.2

**Numerator:** Respondents who reported they were limited in any activities because of physical, mental, or emotional problems.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

## Percentage of Adults Who Reported Consuming Fruits and Vegetables Less Than 5 Times Per Day, 2009

### West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	14770	81.4	80.6	82.1
West Central Public Health Initiative County	110	78.9	71.8	86.1
<b>Gender</b>				
Men	45	88.5	79.2	97.8
Women	65	70.4	60.0	80.8
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	48	78.2	68.2	88.2
65 Years and Older	36	69.7	56.4	83.0
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	102	77.7	70.0	85.4
<b>Race</b>				
White	107	78.8	71.5	86.1
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	45	87.8	79.0	96.5
Some College or College Graduate	65	74.3	64.5	84.2
<b>Annual Household Income</b>				
Less than \$35,000 per Year	51	79.4	67.2	91.6
\$35,000 or Higher per Year	44	77.6	67.1	88.0
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	77	78.8	70.5	87.0

**Numerator:** Respondents who reported they consumed fruits and vegetables less than 5 times per day.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

## Percentage of Adults Who Have Gambled in Past 12 Months, 2009

### West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	6848	38.4	37.4	39.4
West Central Public Health Initiative County	40	33.6	23.5	43.7
<b>Gender</b>				
Men	*	*	*	*
Women	23	24.9	14.5	35.4
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	19	30.8	18.0	43.5
65 Years and Older	10	18.9	7.3	30.4
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	37	33.9	23.2	44.5
<b>Race</b>				
White	39	34.0	23.7	44.4
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	14	27.2	11.3	43.2
Some College or College Graduate	26	36.9	24.2	49.6
<b>Annual Household Income</b>				
Less than \$35,000 per Year	17	29.4	14.0	44.8
\$35,000 or Higher per Year	23	46.2	31.2	61.3
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	31	36.6	24.3	48.8

**Numerator:** Respondents reporting they had played the lottery, bingo, card games, slot machines, or any other games for money or something else of value in the last 12 months.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

# Percentage of Adults with Fair or Poor Self-Perceived Health Status, 2009

## West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	3019	12.3	11.7	12.9
West Central Public Health Initiative County	26	14.3	8.1	20.4
<b>Gender</b>				
Men	5	7.0	0.2	13.7
Women	21	21.2	11.4	31.0
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	8	8.8	2.6	15.1
65 Years and Older	14	25.0	12.7	37.3
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	24	14.7	8.1	21.3
<b>Race</b>				
White	25	14.7	8.3	21.1
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	13	21.2	9.0	33.3
Some College or College Graduate	13	10.4	3.8	17.0
<b>Annual Household Income</b>				
Less than \$35,000 per Year	16	17.2	7.4	27.0
\$35,000 or Higher per Year	*	*	*	*
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	10	8.1	2.4	13.8

Numerator: Respondents reporting that in general their health is fair or poor.

Denominator: All respondents, excluding unknowns and refusals.

\* Insufficient Sample

# Percentage of Adults Who Lack Health Care Coverage, 2009

## West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	1641	11.8	11.1	12.6
West Central Public Health Initiative County	21	17.0	8.9	25.2
<b>Gender</b>				
Men	8	17.8	4.5	31.0
Women	13	16.3	6.7	25.9
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	7	9.4	1.9	16.9
65 Years and Older	*	*	*	*
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	20	17.9	9.2	26.7
<b>Race</b>				
White	20	17.1	8.7	25.4
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	12	27.2	11.5	42.9
Some College or College Graduate	9	11.4	3.0	19.8
<b>Annual Household Income</b>				
Less than \$35,000 per Year	15	30.7	14.9	46.6
\$35,000 or Higher per Year	*	*	*	*
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	14	17.4	7.4	27.5

Numerator: Respondents reporting they had no health care coverage.

Denominator: All respondents, excluding unknowns and refusals.

\* Insufficient Sample

# Percentage of Adults with No Personal Doctor or Health Care Provider, 2009

## West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	1912	14.6	13.8	15.5
West Central Public Health Initiative County	20	19.1	9.9	28.3
<b>Gender</b>				
Men	13	32.1	16.2	48.0
Women	7	6.7	1.4	12.1
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	8	14.6	4.4	24.7
65 Years and Older	*	*	*	*
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	17	15.7	7.4	24.0
<b>Race</b>				
White	18	16.1	7.9	24.3
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	7	25.2	6.5	43.9
Some College or College Graduate	13	15.7	6.6	24.8
<b>Annual Household Income</b>				
Less than \$35,000 per Year	12	24.1	9.1	39.1
\$35,000 or Higher per Year	6	12.4	2.7	22.1
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	16	19.8	9.6	29.9

Numerator: Respondents reporting they had no personal doctor or health care provider.

Denominator: All respondents, excluding unknowns and refusals.

\* Insufficient Sample

## Percentage of Adults Who Could Not See Doctor Because of Cost in Past 12 Months, 2009

### West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	1823	11.2	10.5	11.8
West Central Public Health Initiative County	19	13.0	6.4	19.6
<b>Gender</b>				
Men	*	*	*	*
Women	15	17.5	7.8	27.3
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	8	11.1	2.9	19.3
65 Years and Older	*	*	*	*
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	17	13.1	6.1	20.0
<b>Race</b>				
White	17	12.4	5.8	19.1
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	9	16.7	5.1	28.3
Some College or College Graduate	10	10.9	3.2	18.6
<b>Annual Household Income</b>				
Less than \$35,000 per Year	16	24.9	11.7	38.2
\$35,000 or Higher per Year	*	*	*	*
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	13	12.0	4.8	19.3

**Numerator:** Respondents reporting they could not see a doctor because of cost in the past 12 months.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

**Percentage of Adults Who Reported Their Mental Health Was Not Good on 14 or More Days in the Past 30 Days, 2009**

**West Central Public Health Initiative**

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	1630	8.6	8.1	9.2
West Central Public Health Initiative County	10	8.8	0.3	17.3
<b>Gender</b>				
Men	*	*	*	*
Women	9	14.8	0.0	29.8
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	6	6.6	0.9	12.4
65 Years and Older	*	*	*	*
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	10	9.7	0.4	19.1
<b>Race</b>				
White	10	9.3	0.3	18.3
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	*	*	*	*
Some College or College Graduate	7	11.0	0.0	23.4
<b>Annual Household Income</b>				
Less than \$35,000 per Year	7	17.7	0.0	36.3
\$35,000 or Higher per Year	*	*	*	*
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	*	*	*	*

Numerator: Respondents reporting 14 or more days when their mental health was not good.

Denominator: All respondents, excluding unknowns and refusals.

\* Insufficient Sample

## Percentage of Adults Who Had a Heart Attack, 2009

### West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	1037	3.7	3.4	4.0
West Central Public Health Initiative County	*	*	*	*
<b>Gender</b>				
Men	*	*	*	*
Women	*	*	*	*
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	*	*	*	*
65 Years and Older	*	*	*	*
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	*	*	*	*
<b>Race</b>				
White	*	*	*	*
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	*	*	*	*
Some College or College Graduate	*	*	*	*
<b>Annual Household Income</b>				
Less than \$35,000 per Year	*	*	*	*
\$35,000 or Higher per Year	*	*	*	*
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	*	*	*	*

**Numerator:** Respondents who reported that a doctor, nurse, or other health professional EVER told them that they had ever had a heart attack, also called a myocardial infarction.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

# Percentage of Adults Tested and Diagnosed with High Cholesterol, 2009

## West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	7158	38.6	37.6	39.5
West Central Public Health Initiative County	55	38.7	29.1	48.2
<b>Gender</b>				
Men	*	*	*	*
Women	40	45.5	33.4	57.5
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	30	50.8	36.3	65.3
65 Years and Older	*	*	*	*
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	53	40.7	30.5	50.9
<b>Race</b>				
White	54	38.9	29.2	48.6
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	*	*	*	*
Some College or College Graduate	30	30.4	19.8	41.1
<b>Annual Household Income</b>				
Less than \$35,000 per Year	*	*	*	*
\$35,000 or Higher per Year	23	32.3	19.6	45.1
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	34	31.0	20.6	41.4

**Numerator:** Respondents reporting they had been told by a doctor or health care professional that they have high blood cholesterol.

**Denominator:** Respondents who had ever had their cholesterol checked, excluding unknowns and refusals.

\* Insufficient Sample

## Percentage of Adults with Diagnosed Hypertension, 2009

### West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	7332	28.7	27.9	29.5
West Central Public Health Initiative County	57	30.5	22.1	38.8
<b>Gender</b>				
Men	21	28.7	16.3	41.1
Women	36	32.2	21.3	43.1
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	25	38.5	25.6	51.4
65 Years and Older	29	55.2	40.4	70.0
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	52	30.9	22.1	39.6
<b>Race</b>				
White	55	31.4	22.9	40.0
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	27	45.5	29.2	61.9
Some College or College Graduate	30	22.1	13.6	30.7
<b>Annual Household Income</b>				
Less than \$35,000 per Year	31	35.7	21.6	49.7
\$35,000 or Higher per Year	19	25.5	14.0	36.9
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	36	26.8	17.9	35.8

**Numerator:** Respondents reporting they had been told by a doctor or health care professional that they have high blood pressure.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

## Percentage of Adults Ages 18 Years and Older Who Did Not Receive a Flu Shot During the Past 12 Months, 2009

### West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	9542	58.9	58.0	59.9
West Central Public Health Initiative County	86	63.7	54.8	72.6
<b>Gender</b>				
Men	31	62.8	48.2	77.5
Women	55	64.5	54.1	74.9
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	42	64.7	51.9	77.4
65 Years and Older	18	37.4	22.8	52.1
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	80	63.3	53.9	72.7
<b>Race</b>				
White	83	62.7	53.6	71.8
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	34	71.1	57.9	84.4
Some College or College Graduate	52	59.5	48.1	70.9
<b>Annual Household Income</b>				
Less than \$35,000 per Year	38	67.9	55.9	79.9
\$35,000 or Higher per Year	39	65.1	51.7	78.5
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	60	61.7	50.9	72.5

**Numerator:** Respondents who reported they did not have a flu shot during the past 12 months.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

**Percentage of Adults Not Participating in Any Physical Activity (Leisure Time Physical Activity), 2009**

**West Central Public Health Initiative**

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	4969	23.2	22.3	24.0
West Central Public Health Initiative County	50	32.8	23.6	42.0
<b>Gender</b>				
Men	22	39.5	24.4	54.7
Women	28	26.4	16.2	36.5
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	17	26.6	14.5	38.7
65 Years and Older	22	42.9	28.7	57.2
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	47	34.3	24.5	44.1
<b>Race</b>				
White	47	32.6	23.2	42.0
African American	*	*	*	*
Other	*	*	*	*
Multi- Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	21	36.4	21.3	51.5
Some College or College Graduate	29	30.8	19.1	42.4
<b>Annual Household Income</b>				
Less than \$35,000 per Year	29	38.8	23.8	53.8
\$35,000 or Higher per Year	14	25.9	12.2	39.6
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	25	26.2	15.7	36.6

**Numerator:** Respondents reporting they did not participate in any physical activities or exercise, other than their regular job, in the past 30 days.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

# Percentage of Adults Not Participating in Recommended Level of Physical Activity, 2009

## West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	10019	51.5	50.5	52.6
West Central Public Health Initiative County	80	53.6	43.6	63.5
<b>Gender</b>				
Men	*	*	*	*
Women	53	55.0	43.1	66.9
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	34	56.6	42.6	70.5
65 Years and Older	*	*	*	*
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	73	51.3	40.8	61.7
<b>Race</b>				
White	77	52.8	42.7	62.9
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	*	*	*	*
Some College or College Graduate	47	50.3	38.0	62.6
<b>Annual Household Income</b>				
Less than \$35,000 per Year	36	52.4	36.8	68.1
\$35,000 or Higher per Year	31	49.7	35.1	64.3
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	53	50.7	38.8	62.7

**Numerator:** Respondents reporting they did not participate in moderate physical activities at least 5 times per week for at least 30 minutes or vigorous physical activities at least 3 times per week for at least 20 minutes.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

# Percentage of Adults Not Participating in Recommended Level of Moderate Physical Activity, 2009

## West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	10019	51.5	50.5	52.6
West Central Public Health Initiative County	80	53.6	43.6	63.5
<b>Gender</b>				
Men	*	*	*	*
Women	53	55.0	43.1	66.9
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	34	56.6	42.6	70.5
65 Years and Older	*	*	*	*
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	73	51.3	40.8	61.7
<b>Race</b>				
White	77	52.8	42.7	62.9
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	*	*	*	*
Some College or College Graduate	47	50.3	38.0	62.6
<b>Annual Household Income</b>				
Less than \$35,000 per Year	36	52.4	36.8	68.1
\$35,000 or Higher per Year	31	49.7	35.1	64.3
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	53	50.7	38.8	62.7

**Numerator:** Respondents reporting they did not participate in moderate physical activity defined as 30 or more minutes per day for 5 or more days per week, or vigorous activity for 20 or more minutes per day on 3 or more days.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

**Percentage of Adults Not Participating in Recommended Level of Vigorous Physical Activity, 2009**

**West Central Public Health Initiative**

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	14428	72.5	71.5	73.5
West Central Public Health Initiative County	115	79.6	70.9	88.2
<b>Gender</b>				
Men	*	*	*	*
Women	79	87.3	80.3	94.3
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	47	77.0	66.0	88.1
65 Years and Older	45	89.1	80.4	97.9
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	107	78.3	69.1	87.6
<b>Race</b>				
White	112	79.4	70.6	88.3
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	43	80.3	65.0	95.6
Some College or College Graduate	72	79.2	68.6	89.8
<b>Annual Household Income</b>				
Less than \$35,000 per Year	51	76.8	62.4	91.2
\$35,000 or Higher per Year	48	79.2	66.3	92.2
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	75	73.8	62.5	85.2

**Numerator:** Respondents reporting they did not participate in vigorous physical activities at least 3 times per week for at least 20 minutes.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

**Percentage of Adults Who Did Not Get Enough Rest or Sleep in Past 30 Days,  
2009**

**West Central Public Health Initiative**

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	4400	26.4	25.5	27.4
West Central Public Health Initiative County	34	25.9	15.7	36.0
<b>Gender</b>				
Men	10	22.6	8.9	36.3
Women	24	28.9	14.3	43.5
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	19	29.9	17.3	42.6
65 Years and Older	*	*	*	*
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	32	27.9	17.0	38.9
<b>Race</b>				
White	32	26.6	16.1	37.1
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	14	23.5	10.4	36.6
Some College or College Graduate	20	27.2	13.3	41.1
<b>Annual Household Income</b>				
Less than \$35,000 per Year	18	32.5	14.8	50.3
\$35,000 or Higher per Year	15	26.1	12.3	39.9
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	20	22.4	12.0	32.9

**Numerator:** Respondents reporting they did not get enough sleep on 14 or more days in the past 30 days.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

## Percentage of Adults Who Are Current Smokers, 2009

### West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	3019	17.8	17.0	18.7
West Central Public Health Initiative County	24	19.1	9.5	28.6
<b>Gender</b>				
Men	6	9.2	1.4	17.0
Women	18	28.4	13.0	43.7
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	12	16.0	6.5	25.5
65 Years and Older	*	*	*	*
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	24	21.1	10.7	31.5
<b>Race</b>				
White	24	20.1	10.1	30.0
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	14	21.7	9.1	34.3
Some College or College Graduate	10	17.6	4.3	30.8
<b>Annual Household Income</b>				
Less than \$35,000 per Year	14	30.0	11.8	48.2
\$35,000 or Higher per Year	6	8.1	1.1	15.2
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	13	11.6	3.9	19.2

**Numerator:** Respondents who reported they have smoked at least 100 cigarettes in their entire life and that they now smoke some days or every day.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

# Percentage of Adults Who Currently Use Any Smokeless Tobacco Products, 2009

## West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	788	5.9	5.3	6.4
West Central Public Health Initiative County	11	8.0	2.0	13.9
<b>Gender</b>				
Men	8	14.2	2.6	25.8
Women	*	*	*	*
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	6	9.5	1.8	17.3
65 Years and Older	*	*	*	*
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	11	8.8	2.3	15.4
<b>Race</b>				
White	11	8.4	2.1	14.6
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	*	*	*	*
Some College or College Graduate	9	11.0	2.1	19.9
<b>Annual Household Income</b>				
Less than \$35,000 per Year	*	*	*	*
\$35,000 or Higher per Year	5	10.4	0.0	21.8
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	8	9.5	1.2	17.9

**Numerator:** Respondents who reported they currently use chewing tobacco, snuff or snus (Swedish for snuff) some days or every day.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

**Percentage of Adults Who Ever Served on Active Duty in the United States  
Armed Forces, 2009**

**West Central Public Health Initiative**

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	2568	12.1	11.5	12.7
West Central Public Health Initiative County	25	17.0	10.0	24.0
<b>Gender</b>				
Men	18	26.8	14.1	39.4
Women	7	7.6	1.5	13.7
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	11	20.0	8.7	31.3
65 Years and Older	10	21.6	9.0	34.2
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	25	18.8	11.1	26.5
<b>Race</b>				
White	25	17.9	10.6	25.2
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	11	19.8	8.0	31.7
Some College or College Graduate	14	15.4	6.8	24.0
<b>Annual Household Income</b>				
Less than \$35,000 per Year	14	21.6	9.3	34.0
\$35,000 or Higher per Year	10	17.2	6.8	27.7
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	16	14.1	6.9	21.2

**Numerator:** Respondents who reported that they served on active duty in the United States Armed Forces, either in the regular military or in a National Guard or military reserve unit.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

## Percentage of Adults Who Are Obese, 2009

### West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	5453	28.8	27.9	29.7
West Central Public Health Initiative County	35	21.1	13.4	28.8
<b>Gender</b>				
Men	10	16.2	5.5	26.9
Women	25	26.0	15.2	36.9
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	17	24.0	12.6	35.4
65 Years and Older	9	15.6	5.2	26.0
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	33	21.6	13.6	29.7
<b>Race</b>				
White	34	21.9	13.9	29.9
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	15	27.7	13.4	42.0
Some College or College Graduate	20	17.4	8.7	26.2
<b>Annual Household Income</b>				
Less than \$35,000 per Year	17	24.2	10.9	37.5
\$35,000 or Higher per Year	16	21.8	10.7	32.8
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	21	18.5	10.1	26.9

**Numerator:** Respondents with a body mass index greater than or equal to 30, based on self-reported height and weight.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample

## Percentage of Adults Who Are Overweight or Obese, 2009

### West Central Public Health Initiative

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	11952	64.6	63.6	65.6
West Central Public Health Initiative County	95	68.8	59.1	78.6
<b>Gender</b>				
Men	39	68.1	51.9	84.3
Women	56	69.5	58.9	80.2
<b>Age</b>				
18 to 44 Years	*	*	*	*
45 to 64 Years	40	70.3	57.9	82.7
65 Years and Older	32	63.9	49.9	77.8
<b>Ethnicity</b>				
Hispanic	*	*	*	*
Non-Hispanic	90	71.2	61.8	80.6
<b>Race</b>				
White	91	70.3	61.1	79.6
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
<b>Education</b>				
High School Graduate or Less	35	69.1	52.6	85.6
Some College or College Graduate	60	68.6	56.6	80.7
<b>Annual Household Income</b>				
Less than \$35,000 per Year	41	77.2	65.9	88.5
\$35,000 or Higher per Year	41	65.7	50.9	80.6
<b>Disability</b>				
Living with a Disability	*	*	*	*
Living without a Disability	63	65.6	54.3	76.8

**Numerator:** Respondents with a body mass index greater than or equal to 25, based on self-reported height and weight.

**Denominator:** All respondents, excluding unknowns and refusals.

\* Insufficient Sample