

Kansas Behavioral Risk Factor Surveillance System – Local Data, 2009

East Central Kansas Public Health Coalition



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

Kansas Behavioral Risk Factor Surveillance System – Local Data, 2009

State of Kansas
Mark Parkinson, Governor

Jason Eberhart-Phillips, MD, MPH
State Health Officer and Director, Division of Health, KDHE

Report Preparation:

Pratik Pandya, MPH
Epidemiologist
Bureau of Health Promotion (BHP)

Erik Cook-Wiens, MPH
Epidemiologist
Bureau of Health Promotion (BHP)

Report Supervision:

Ghazala Perveen, MBBS, PhD, MPH
Director of Science and Surveillance/Health Officer II
Bureau of Health Promotion (BHP)

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Kansas Department of Health and Environment
Bureau of Health Promotion
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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.

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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.

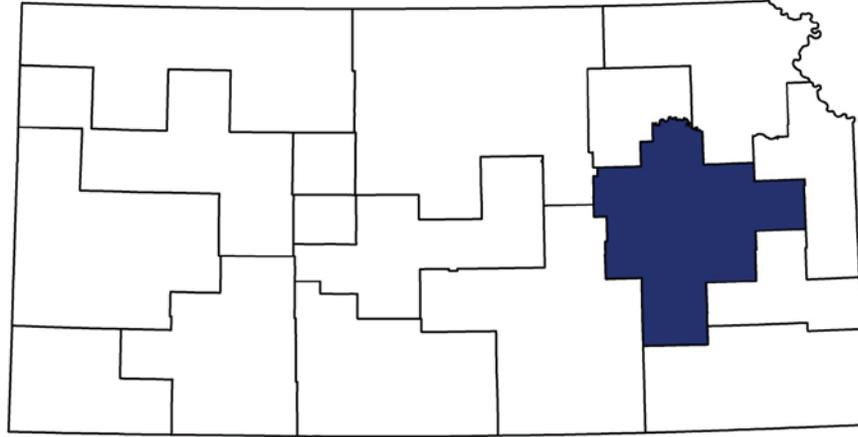
This significant enhancement is made possible by a grant from the Kansas Health Foundation (KHF), a private philanthropy dedicated to improving the health of all Kansans. This report is intended for use by local and regional public health officials, community leaders and policy makers to measure and 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, looped initial 'J'.

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



The East Central Kansas Public Health Coalition comprises the following counties:
Chase, Coffey, Franklin, Greenwood, Lyon, Morris, Osage, Wabaunsee

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:

Pratik Pandya, MPH
Epidemiologist
Kansas Department of Health and Environment
Bureau of Health Promotion
Curtis State Office Building,
1000 SW Jackson Street, Suite 230
Topeka, KS 66612
Telephone: 785-296-6513
Fax: 785-296-8059
ppandya@kdheks.gov

Dr. Ghazala Perveen
Director of Science and Surveillance/Health Officer II
Bureau of Health Promotion
Kansas Department of Health & Environment
Curtis State Office Building
1000 SW Jackson, Suite 230
Topeka, KS 66612-1274
Telephone: 785-296-8039
Fax: 785-296-8059
gperveen@kdheks.gov



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Percentage of Adults Who Are Binge Drinkers, 2009

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	1847	14.5	13.7	15.3
East Central Kansas Public Health Coalition County	73	11.9	8.7	15.1
Gender				
Men	45	16.7	11.3	22.1
Women	28	7.4	3.8	11.1
Age				
18 to 44 Years	37	17.1	11.2	23.1
45 to 64 Years	31	10.3	6.6	14.1
65 Years and Older	5	1.2	0.1	2.3
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	65	10.5	7.5	13.4
Race				
White	67	11.6	8.4	14.9
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	24	8.0	4.3	11.7
Some College or College Graduate	49	15.0	10.2	19.9
Annual Household Income				
Less than \$35,000 per Year	19	5.7	2.6	8.8
\$35,000 or Higher per Year	50	16.8	11.9	21.8
Disability				
Living with a Disability	12	6.0	2.1	9.9
Living without a Disability	61	13.6	9.6	17.5

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	645	4.1	3.6	4.6
East Central Kansas Public Health Coalition County	20	2.4	0.9	3.8
Gender				
Men	12	3.6	0.7	6.4
Women	8	1.2	0.3	2.2
Age				
18 to 44 Years	6	2.5	0.0	5.1
45 to 64 Years	11	3.2	1.1	5.3
65 Years and Older	*	*	*	*
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	16	1.5	0.7	2.4
Race				
White	17	2.2	0.6	3.7
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	7	1.4	0.3	2.5
Some College or College Graduate	13	3.1	0.6	5.7
Annual Household Income				
Less than \$35,000 per Year	7	1.4	0.3	2.5
\$35,000 or Higher per Year	9	2.0	0.6	3.4
Disability				
Living with a Disability	*	*	*	*
Living without a Disability	17	2.7	0.8	4.6

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	6314	24.1	23.4	24.8
East Central Kansas Public Health Coalition County	301	25.1	21.8	28.4
Gender				
Men	111	24.5	19.3	29.7
Women	190	25.7	21.5	29.9
Age				
18 to 44 Years	30	11.3	7.1	15.5
45 to 64 Years	128	34.3	28.9	39.8
65 Years and Older	143	45.6	39.7	51.5
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	294	26.1	22.6	29.5
Race				
White	278	24.6	21.2	28.0
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	162	30.4	24.8	36.1
Some College or College Graduate	139	21.0	17.0	24.9
Annual Household Income				
Less than \$35,000 per Year	140	30.4	24.1	36.7
\$35,000 or Higher per Year	128	23.6	19.2	28.0
Disability				
Living with a Disability	159	60.2	50.7	69.6
Living without a Disability	141	15.2	12.3	18.1

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	2867	44.9	43.4	46.5
East Central Kansas Public Health Coalition County	139	47.8	41.0	54.6
Gender				
Men	50	47.4	36.3	58.5
Women	89	48.2	39.9	56.5
Age				
18 to 44 Years	*	*	*	*
45 to 64 Years	63	47.7	38.0	57.4
65 Years and Older	60	44.2	35.5	52.9
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	137	48.1	41.2	55.0
Race				
White	126	45.6	38.6	52.6
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	75	49.5	40.2	58.8
Some College or College Graduate	64	45.9	35.9	55.9
Annual Household Income				
Less than \$35,000 per Year	71	54.9	44.7	65.1
\$35,000 or Higher per Year	55	43.8	33.8	53.8
Disability				
Living with a Disability	109	68.6	59.5	77.7
Living without a Disability	30	24.3	15.8	32.7

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	2652	9.9	9.5	10.4
East Central Kansas Public Health Coalition County	130	10.9	8.3	13.5
Gender				
Men	45	10.3	5.8	14.8
Women	85	11.5	8.6	14.3
Age				
18 to 44 Years	9	4.9	0.7	9.1
45 to 64 Years	43	11.6	7.9	15.2
65 Years and Older	78	24.9	19.7	30.0
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	129	11.3	8.6	14.0
Race				
White	123	11.0	8.3	13.7
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	60	12.2	7.4	17.0
Some College or College Graduate	70	9.9	7.1	12.6
Annual Household Income				
Less than \$35,000 per Year	52	13.4	7.4	19.5
\$35,000 or Higher per Year	57	9.5	6.7	12.2
Disability				
Living with a Disability	53	16.0	11.1	21.0
Living without a Disability	77	9.5	6.4	12.5

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	5278	26.4	25.5	27.2
East Central Kansas Public Health Coalition County	230	24.6	21.0	28.2
Gender				
Men	94	24.8	19.2	30.4
Women	136	24.4	19.9	29.0
Age				
18 to 44 Years	45	18.7	13.0	24.4
45 to 64 Years	114	33.6	28.1	39.2
65 Years and Older	71	26.1	20.7	31.5
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	223	24.8	21.1	28.5
Race				
White	217	24.5	20.8	28.2
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	109	26.7	20.9	32.5
Some College or College Graduate	121	22.9	18.4	27.4
Annual Household Income				
Less than \$35,000 per Year	75	22.9	16.6	29.3
\$35,000 or Higher per Year	132	27.4	22.5	32.3
Disability				
Living with a Disability	55	27.8	20.1	35.5
Living without a Disability	174	23.7	19.7	27.8

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	1447	8.5	7.9	9.1
East Central Kansas Public Health Coalition County	80	10.2	7.0	13.3
Gender				
Men	24	8.8	4.0	13.7
Women	56	11.4	7.5	15.4
Age				
18 to 44 Years	24	12.6	6.8	18.3
45 to 64 Years	33	8.8	5.7	12.0
65 Years and Older	23	6.1	3.5	8.6
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	78	10.2	7.0	13.3
Race				
White	71	9.6	6.5	12.7
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	43	12.3	7.0	17.7
Some College or College Graduate	37	8.4	4.8	12.0
Annual Household Income				
Less than \$35,000 per Year	37	13.5	7.0	20.0
\$35,000 or Higher per Year	37	9.5	5.5	13.5
Disability				
Living with a Disability	41	20.6	11.8	29.3
Living without a Disability	39	7.3	4.3	10.3

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	2267	8.5	8.1	9.0
East Central Kansas Public Health Coalition County	110	8.8	6.9	10.8
Gender				
Men	42	8.4	5.5	11.3
Women	68	9.3	6.7	11.8
Age				
18 to 44 Years	8	3.4	1.0	5.8
45 to 64 Years	38	9.7	6.5	13.0
65 Years and Older	64	21.0	16.1	25.8
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	107	9.1	7.1	11.1
Race				
White	103	8.8	6.8	10.8
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	68	11.6	8.2	15.1
Some College or College Graduate	42	6.6	4.4	8.7
Annual Household Income				
Less than \$35,000 per Year	58	12.5	8.3	16.6
\$35,000 or Higher per Year	34	6.2	4.0	8.3
Disability				
Living with a Disability	56	20.7	14.3	27.1
Living without a Disability	54	5.5	3.9	7.1

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	4971	20.5	19.7	21.2
East Central Kansas Public Health Coalition County	245	21.9	18.3	25.4
Gender				
Men	94	21.5	15.9	27.1
Women	151	22.2	17.7	26.7
Age				
18 to 44 Years	33	15.2	9.2	21.2
45 to 64 Years	102	25.4	20.6	30.1
65 Years and Older	110	33.3	27.8	38.8
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	239	22.3	18.6	26.0
Race				
White	227	21.2	17.6	24.8
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	132	28.3	21.8	34.7
Some College or College Graduate	113	16.8	13.1	20.4
Annual Household Income				
Less than \$35,000 per Year	142	35.8	28.0	43.6
\$35,000 or Higher per Year	73	14.2	10.5	17.8

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**

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	4526	18.9	18.1	19.6
East Central Kansas Public Health Coalition County	223	20.4	16.9	23.9
Gender				
Men	86	20.2	14.6	25.7
Women	137	20.7	16.3	25.1
Age				
18 to 44 Years	33	15.2	9.2	21.2
45 to 64 Years	96	23.5	18.8	28.1
65 Years and Older	94	28.9	23.7	34.2
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	218	20.9	17.3	24.5
Race				
White	205	19.7	16.1	23.2
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	118	26.3	19.9	32.7
Some College or College Graduate	105	15.7	12.2	19.3
Annual Household Income				
Less than \$35,000 per Year	130	34.0	26.3	41.8
\$35,000 or Higher per Year	67	13.1	9.5	16.7

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	14770	81.4	80.6	82.1
East Central Kansas Public Health Coalition County	712	84.8	82.0	87.7
Gender				
Men	296	89.7	86.0	93.4
Women	416	80.2	75.9	84.4
Age				
18 to 44 Years	181	88.3	83.6	93.0
45 to 64 Years	288	82.0	77.6	86.3
65 Years and Older	243	80.4	75.9	84.9
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	687	84.5	81.5	87.4
Race				
White	675	84.7	81.7	87.6
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	344	91.3	88.3	94.3
Some College or College Graduate	368	79.7	75.3	84.2
Annual Household Income				
Less than \$35,000 per Year	271	88.2	84.1	92.2
\$35,000 or Higher per Year	353	83.1	78.8	87.3
Disability				
Living with a Disability	197	83.8	78.0	89.6
Living without a Disability	514	85.1	81.8	88.4

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	6848	38.4	37.4	39.4
East Central Kansas Public Health Coalition County	321	36.8	32.4	41.2
Gender				
Men	148	41.4	34.2	48.5
Women	173	32.5	27.1	37.9
Age				
18 to 44 Years	74	32.7	25.1	40.3
45 to 64 Years	146	45.0	39.1	50.8
65 Years and Older	101	35.0	29.2	40.8
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	311	37.0	32.5	41.4
Race				
White	304	37.2	32.6	41.7
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	144	36.3	29.4	43.3
Some College or College Graduate	177	37.2	31.5	42.9
Annual Household Income				
Less than \$35,000 per Year	109	34.5	26.2	42.8
\$35,000 or Higher per Year	177	40.4	34.6	46.1
Disability				
Living with a Disability	78	35.9	27.1	44.8
Living without a Disability	243	37.1	32.0	42.1

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	3019	12.3	11.7	12.9
East Central Kansas Public Health Coalition County	171	15.2	12.3	18.1
Gender				
Men	67	15.4	11.1	19.7
Women	104	15.1	11.2	18.9
Age				
18 to 44 Years	28	11.4	6.7	16.2
45 to 64 Years	62	15.2	11.3	19.1
65 Years and Older	81	24.6	19.6	29.6
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	165	15.5	12.6	18.5
Race				
White	160	15.2	12.2	18.1
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	105	20.3	15.2	25.4
Some College or College Graduate	66	11.2	8.0	14.4
Annual Household Income				
Less than \$35,000 per Year	104	25.3	18.8	31.7
\$35,000 or Higher per Year	47	9.9	6.7	13.1
Disability				
Living with a Disability	121	44.3	35.6	52.9
Living without a Disability	50	7.1	4.8	9.4

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	1641	11.8	11.1	12.6
East Central Kansas Public Health Coalition County	81	12.4	8.9	15.9
Gender				
Men	29	12.3	7.2	17.5
Women	52	12.4	7.7	17.1
Age				
18 to 44 Years	31	17.2	10.7	23.7
45 to 64 Years	46	12.3	8.5	16.1
65 Years and Older	*	*	*	*
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	76	12.0	8.5	15.5
Race				
White	73	11.6	8.1	15.1
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	49	19.4	12.8	26.0
Some College or College Graduate	32	6.8	3.9	9.7
Annual Household Income				
Less than \$35,000 per Year	61	27.1	19.0	35.1
\$35,000 or Higher per Year	12	3.6	1.2	6.0
Disability				
Living with a Disability	31	15.9	8.4	23.5
Living without a Disability	50	11.4	7.5	15.3

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	1912	14.6	13.8	15.5
East Central Kansas Public Health Coalition County	76	9.8	6.9	12.6
Gender				
Men	42	12.4	7.7	17.0
Women	34	7.3	4.0	10.6
Age				
18 to 44 Years	26	12.3	7.1	17.5
45 to 64 Years	37	9.3	6.2	12.4
65 Years and Older	13	4.1	1.8	6.4
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	71	9.0	6.3	11.6
Race				
White	71	9.1	6.4	11.9
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	41	11.7	6.8	16.5
Some College or College Graduate	35	8.3	5.0	11.5
Annual Household Income				
Less than \$35,000 per Year	41	14.5	8.4	20.6
\$35,000 or Higher per Year	22	6.5	3.4	9.6
Disability				
Living with a Disability	23	8.0	4.5	11.5
Living without a Disability	53	10.3	6.8	13.8

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	1823	11.2	10.5	11.8
East Central Kansas Public Health Coalition County	88	10.5	7.9	13.1
Gender				
Men	30	9.2	5.4	13.0
Women	58	11.8	8.2	15.4
Age				
18 to 44 Years	32	12.4	7.7	17.1
45 to 64 Years	48	12.8	9.0	16.7
65 Years and Older	8	2.5	0.7	4.2
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	85	10.8	8.1	13.6
Race				
White	79	10.1	7.5	12.8
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	45	12.5	8.0	17.1
Some College or College Graduate	43	8.9	5.9	11.9
Annual Household Income				
Less than \$35,000 per Year	57	19.0	13.0	25.0
\$35,000 or Higher per Year	25	6.4	3.6	9.2
Disability				
Living with a Disability	46	20.5	13.8	27.2
Living without a Disability	42	7.8	5.0	10.5

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	1630	8.6	8.1	9.2
East Central Kansas Public Health Coalition County	75	8.1	5.5	10.6
Gender				
Men	21	5.4	2.1	8.6
Women	54	10.7	6.8	14.5
Age				
18 to 44 Years	20	8.8	4.1	13.5
45 to 64 Years	41	9.4	6.4	12.3
65 Years and Older	14	4.3	1.9	6.7
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	70	7.2	5.0	9.5
Race				
White	66	7.2	4.7	9.7
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	35	8.2	4.2	12.1
Some College or College Graduate	40	8.0	4.7	11.3
Annual Household Income				
Less than \$35,000 per Year	45	13.0	7.5	18.6
\$35,000 or Higher per Year	22	4.5	2.3	6.7
Disability				
Living with a Disability	49	22.3	14.4	30.2
Living without a Disability	26	4.2	1.9	6.4

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	1037	3.7	3.4	4.0
East Central Kansas Public Health Coalition County	48	3.7	2.5	4.9
Gender				
Men	26	4.6	2.7	6.4
Women	22	2.8	1.4	4.3
Age				
18 to 44 Years	*	*	*	*
45 to 64 Years	16	4.2	2.0	6.3
65 Years and Older	30	10.3	6.6	14.0
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	48	3.9	2.7	5.1
Race				
White	45	3.7	2.5	4.9
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	29	4.7	2.7	6.8
Some College or College Graduate	19	2.8	1.5	4.2
Annual Household Income				
Less than \$35,000 per Year	21	4.7	2.3	7.1
\$35,000 or Higher per Year	20	3.2	1.8	4.7
Disability				
Living with a Disability	28	10.3	6.0	14.6
Living without a Disability	20	1.8	1.0	2.7

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	7158	38.6	37.6	39.5
East Central Kansas Public Health Coalition County	337	37.5	33.2	41.7
Gender				
Men	126	37.0	30.4	43.6
Women	211	37.9	32.5	43.3
Age				
18 to 44 Years	36	22.1	15.0	29.2
45 to 64 Years	148	42.8	36.9	48.7
65 Years and Older	153	54.5	48.5	60.6
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	327	37.8	33.5	42.0
Race				
White	323	37.7	33.4	42.1
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	158	39.9	33.4	46.4
Some College or College Graduate	179	35.7	30.2	41.2
Annual Household Income				
Less than \$35,000 per Year	131	38.9	31.3	46.5
\$35,000 or Higher per Year	159	35.7	30.1	41.3
Disability				
Living with a Disability	106	47.3	38.5	56.0
Living without a Disability	230	34.6	29.8	39.4

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	7332	28.7	27.9	29.5
East Central Kansas Public Health Coalition County	361	30.0	26.3	33.6
Gender				
Men	133	29.9	24.2	35.7
Women	228	30.0	25.5	34.6
Age				
18 to 44 Years	38	14.8	10.0	19.6
45 to 64 Years	133	36.0	30.5	41.5
65 Years and Older	190	58.7	52.8	64.5
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	349	30.6	26.9	34.4
Race				
White	340	30.0	26.2	33.7
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	195	33.4	27.6	39.3
Some College or College Graduate	166	27.2	22.5	31.9
Annual Household Income				
Less than \$35,000 per Year	164	36.5	29.4	43.6
\$35,000 or Higher per Year	141	26.4	21.7	31.1
Disability				
Living with a Disability	131	45.5	36.9	54.1
Living without a Disability	229	25.8	21.8	29.7

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**

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	9542	58.9	58.0	59.9
East Central Kansas Public Health Coalition County	445	60.9	56.6	65.2
Gender				
Men	186	65.1	58.5	71.6
Women	259	57.0	51.5	62.6
Age				
18 to 44 Years	146	72.7	65.7	79.7
45 to 64 Years	200	60.6	55.1	66.1
65 Years and Older	99	32.1	26.5	37.7
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	427	59.8	55.4	64.2
Race				
White	422	60.6	56.1	65.0
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	224	67.6	61.3	73.9
Some College or College Graduate	221	55.6	49.8	61.4
Annual Household Income				
Less than \$35,000 per Year	166	61.9	54.1	69.7
\$35,000 or Higher per Year	218	58.7	53.0	64.3
Disability				
Living with a Disability	112	54.6	45.8	63.4
Living without a Disability	333	62.7	57.8	67.6

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	4969	23.2	22.3	24.0
East Central Kansas Public Health Coalition County	257	24.3	20.4	28.1
Gender				
Men	106	26.7	20.3	33.1
Women	151	22.0	17.6	26.4
Age				
18 to 44 Years	41	18.0	11.4	24.7
45 to 64 Years	113	29.5	24.3	34.6
65 Years and Older	103	32.2	26.7	37.7
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	251	24.8	20.8	28.7
Race				
White	244	24.3	20.3	28.3
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	145	31.1	24.4	37.8
Some College or College Graduate	112	18.8	14.5	23.1
Annual Household Income				
Less than \$35,000 per Year	138	37.2	29.1	45.3
\$35,000 or Higher per Year	80	15.7	11.9	19.4
Disability				
Living with a Disability	126	47.2	38.3	56.0
Living without a Disability	130	17.9	13.8	21.9

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	10019	51.5	50.5	52.6
East Central Kansas Public Health Coalition County	483	51.9	47.1	56.7
Gender				
Men	181	50.8	43.3	58.4
Women	302	52.8	46.8	58.9
Age				
18 to 44 Years	106	47.3	39.0	55.7
45 to 64 Years	196	54.1	48.3	59.9
65 Years and Older	181	60.2	54.1	66.2
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	468	52.4	47.6	57.3
Race				
White	462	52.4	47.5	57.3
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	230	53.9	46.3	61.5
Some College or College Graduate	253	50.3	44.2	56.5
Annual Household Income				
Less than \$35,000 per Year	208	64.2	55.9	72.5
\$35,000 or Higher per Year	207	45.6	39.7	51.6
Disability				
Living with a Disability	164	64.9	55.9	73.9
Living without a Disability	318	48.2	42.8	53.7

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	10019	51.5	50.5	52.6
East Central Kansas Public Health Coalition County	483	51.9	47.1	56.7
Gender				
Men	181	50.8	43.3	58.4
Women	302	52.8	46.8	58.9
Age				
18 to 44 Years	106	47.3	39.0	55.7
45 to 64 Years	196	54.1	48.3	59.9
65 Years and Older	181	60.2	54.1	66.2
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	468	52.4	47.6	57.3
Race				
White	462	52.4	47.5	57.3
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	230	53.9	46.3	61.5
Some College or College Graduate	253	50.3	44.2	56.5
Annual Household Income				
Less than \$35,000 per Year	208	64.2	55.9	72.5
\$35,000 or Higher per Year	207	45.6	39.7	51.6
Disability				
Living with a Disability	164	64.9	55.9	73.9
Living without a Disability	318	48.2	42.8	53.7

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	14428	72.5	71.5	73.5
East Central Kansas Public Health Coalition County	680	71.9	67.1	76.7
Gender				
Men	252	69.6	62.0	77.3
Women	428	74.0	68.1	79.9
Age				
18 to 44 Years	142	63.2	54.7	71.8
45 to 64 Years	277	77.4	72.5	82.4
65 Years and Older	261	85.4	81.2	89.6
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	658	72.4	67.6	77.2
Race				
White	647	72.4	67.4	77.3
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	319	74.0	66.5	81.4
Some College or College Graduate	361	70.3	64.0	76.5
Annual Household Income				
Less than \$35,000 per Year	273	82.6	75.6	89.7
\$35,000 or Higher per Year	311	67.1	60.7	73.5
Disability				
Living with a Disability	208	80.9	72.5	89.3
Living without a Disability	471	69.4	63.7	75.0

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**

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	4400	26.4	25.5	27.4
East Central Kansas Public Health Coalition County	211	27.2	23.0	31.4
Gender				
Men	79	24.3	18.5	30.1
Women	132	30.0	24.1	35.9
Age				
18 to 44 Years	70	32.1	24.6	39.7
45 to 64 Years	102	29.3	24.0	34.6
65 Years and Older	39	12.1	8.3	16.0
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	205	27.9	23.6	32.2
Race				
White	198	27.1	22.8	31.4
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	94	26.9	20.3	33.4
Some College or College Graduate	117	27.5	22.1	33.0
Annual Household Income				
Less than \$35,000 per Year	97	35.7	27.4	44.0
\$35,000 or Higher per Year	99	24.9	19.9	29.9
Disability				
Living with a Disability	100	47.5	38.5	56.5
Living without a Disability	111	21.7	17.1	26.4

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	3019	17.8	17.0	18.7
East Central Kansas Public Health Coalition County	140	17.6	14.0	21.2
Gender				
Men	62	19.5	13.6	25.4
Women	78	15.8	11.6	20.0
Age				
18 to 44 Years	40	19.0	12.6	25.4
45 to 64 Years	76	21.8	17.0	26.5
65 Years and Older	24	8.1	4.8	11.4
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	133	17.3	13.7	20.9
Race				
White	131	17.1	13.4	20.7
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	86	24.9	18.4	31.4
Some College or College Graduate	54	11.8	8.2	15.3
Annual Household Income				
Less than \$35,000 per Year	78	27.9	20.1	35.7
\$35,000 or Higher per Year	49	12.6	8.7	16.5
Disability				
Living with a Disability	60	29.2	21.3	37.0
Living without a Disability	80	14.5	10.4	18.5

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	788	5.9	5.3	6.4
East Central Kansas Public Health Coalition County	58	9.1	6.4	11.8
Gender				
Men	50	17.7	12.4	23.0
Women	8	1.0	0.3	1.7
Age				
18 to 44 Years	23	11.8	6.9	16.6
45 to 64 Years	22	7.8	4.4	11.3
65 Years and Older	13	4.3	1.8	6.8
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	54	8.9	6.2	11.6
Race				
White	55	9.0	6.3	11.8
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	31	10.4	6.1	14.6
Some College or College Graduate	27	8.1	4.7	11.5
Annual Household Income				
Less than \$35,000 per Year	19	6.7	2.9	10.5
\$35,000 or Higher per Year	33	11.6	7.4	15.7
Disability				
Living with a Disability	18	12.4	5.9	18.8
Living without a Disability	40	8.2	5.3	11.1

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**

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	2568	12.1	11.5	12.7
East Central Kansas Public Health Coalition County	126	11.6	9.3	13.9
Gender				
Men	117	22.5	17.7	27.3
Women	9	1.3	0.3	2.3
Age				
18 to 44 Years	10	4.8	1.8	7.8
45 to 64 Years	53	15.0	11.1	19.0
65 Years and Older	63	23.5	18.2	28.8
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	123	12.0	9.5	14.4
Race				
White	118	11.4	9.0	13.7
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	61	11.4	8.1	14.8
Some College or College Graduate	65	11.7	8.5	15.0
Annual Household Income				
Less than \$35,000 per Year	48	9.8	6.7	12.9
\$35,000 or Higher per Year	65	13.4	9.9	17.0
Disability				
Living with a Disability	38	13.4	8.4	18.3
Living without a Disability	88	11.2	8.5	13.8

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	5453	28.8	27.9	29.7
East Central Kansas Public Health Coalition County	286	33.2	28.8	37.6
Gender				
Men	118	34.4	27.4	41.3
Women	168	32.1	26.7	37.6
Age				
18 to 44 Years	72	32.8	25.0	40.7
45 to 64 Years	129	37.9	32.1	43.6
65 Years and Older	85	27.5	22.2	32.9
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	276	33.4	29.0	37.9
Race				
White	260	32.0	27.5	36.4
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	137	32.5	26.1	38.9
Some College or College Graduate	149	33.8	27.8	39.9
Annual Household Income				
Less than \$35,000 per Year	123	37.1	29.1	45.0
\$35,000 or Higher per Year	137	34.2	28.2	40.2
Disability				
Living with a Disability	109	43.6	34.9	52.3
Living without a Disability	177	30.5	25.3	35.6

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

East Central Kansas Public Health Coalition

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	11952	64.6	63.6	65.6
East Central Kansas Public Health Coalition County	597	65.3	60.4	70.1
Gender				
Men	261	71.3	63.8	78.8
Women	336	59.3	53.2	65.4
Age				
18 to 44 Years	128	56.9	48.4	65.4
45 to 64 Years	252	74.1	69.1	79.2
65 Years and Older	217	73.2	68.0	78.3
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	575	64.8	59.8	69.7
Race				
White	558	64.2	59.3	69.2
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	283	65.1	57.1	73.1
Some College or College Graduate	314	65.4	59.5	71.3
Annual Household Income				
Less than \$35,000 per Year	235	66.3	57.3	75.3
\$35,000 or Higher per Year	292	68.0	62.2	73.7
Disability				
Living with a Disability	186	74.7	64.8	84.6
Living without a Disability	410	62.7	57.2	68.3

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