

Kansas Behavioral Risk Factor Surveillance System – Local Data, 2009

Cowley County



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)

Project Funding:

Partial funding for the 2009 Behavioral Risk Factor Survey was provided by cooperative agreement U58DP001968-01W1 Revised from the Centers for Disease Control and Prevention, Atlanta GA and by Kansas Health Foundation 200804006-01, Wichita KS.

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

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.

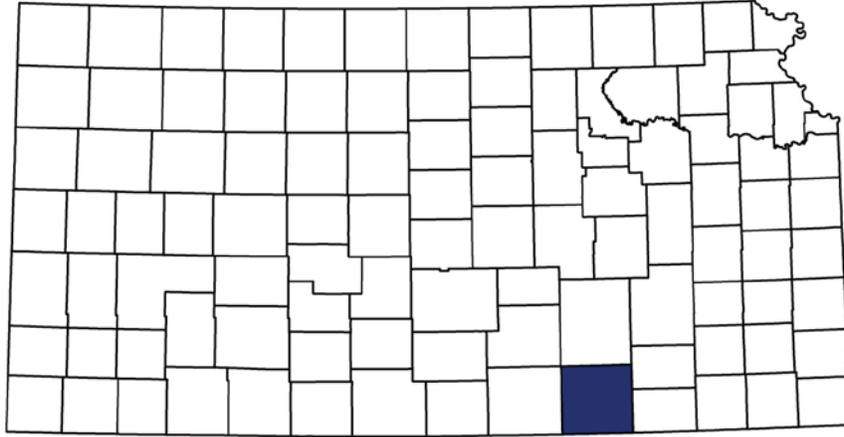
This significant enhancement is made possible by a grant from the Kansas Health Foundation (KHF), a private philanthropy dedicated to improving the health of all Kansans. This report is intended for use by local and regional public health officials, community leaders and policy makers to measure and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

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



Cowley County

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



Table of Contents

Alcohol Consumption

Binge Drinking.....	1
Heavy Drinking.....	2

Arthritis Status

Arthritis.....	3
Limited Activity Due to Arthritis.....	4

Cancer Status.....	5
---------------------------	----------

Caregiver Status.....	6
------------------------------	----------

Current Asthma Status.....	7
-----------------------------------	----------

Diabetes Status.....	8
-----------------------------	----------

Disability Status

Disability.....	9
Activity Limitation Due to Physical, Mental, or Emotional Problems.....	10

Fruits and Vegetable Consumption.....	11
--	-----------

Gambling.....	12
----------------------	-----------

General Health Status.....	13
-----------------------------------	-----------

Health Care Access

Lack Health Care Coverage.....	14
No Personal Doctor.....	15
Not Afford Doctor.....	16

Health Related Quality Of Life.....	17
--	-----------

Heart Attack Status.....	18
---------------------------------	-----------

High Blood Cholesterol Status	19
High Blood Pressure Status	20
Immunization Status	21
Physical Activity Status	
Not Participating in Any Physical Activity.....	22
Not Participating in Recommended Physical Activity	23
Not Participating in Moderate Physical Activity	24
Not Participating in Vigorous Physical Activity	25
Sleep Status	26
Tobacco Use	
Current Smoker.....	27
Smokeless User.....	28
Veteran Status	29
Weight Status (BMI Categories)	
Obese.....	30
Overweight or Obese	31

Percentage of Adults Who Are Binge Drinkers, 2009

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	1847	14.5	13.7	15.3
Cowley County	20	6.8	3.0	10.5
Gender				
Men	13	8.9	2.4	15.3
Women	7	4.8	0.9	8.8
Age				
18 to 44 Years	*	*	*	*
45 to 64 Years	13	11.2	4.3	18.1
65 Years and Older	*	*	*	*
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	19	6.8	2.9	10.7
Race				
White	19	7.3	3.1	11.4
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	6	5.5	0.5	10.5
Some College or College Graduate	14	7.7	2.4	13.0
Annual Household Income				
Less than \$35,000 per Year	5	2.5	0.1	4.9
\$35,000 or Higher per Year	15	10.7	4.2	17.2
Disability				
Living with a Disability	5	5.0	0.0	10.0
Living without a Disability	14	6.8	2.3	11.4

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	645	4.1	3.6	4.6
Cowley County	6	1.7	0.2	3.2
Gender				
Men	*	*	*	*
Women	*	*	*	*
Age				
18 to 44 Years	*	*	*	*
45 to 64 Years	*	*	*	*
65 Years and Older	*	*	*	*
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	5	1.3	0.1	2.6
Race				
White	6	2.0	0.2	3.7
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	*	*	*	*
Some College or College Graduate	*	*	*	*
Annual Household Income				
Less than \$35,000 per Year	*	*	*	*
\$35,000 or Higher per Year	5	2.7	0.1	5.3
Disability				
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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	6314	24.1	23.4	24.8
Cowley County	91	29.6	22.0	37.2
Gender				
Men	25	23.2	12.3	34.1
Women	66	35.6	25.5	45.7
Age				
18 to 44 Years	7	13.9	2.5	25.4
45 to 64 Years	36	34.2	24.1	44.4
65 Years and Older	48	59.8	46.9	72.8
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	89	31.1	23.1	39.1
Race				
White	85	31.2	22.9	39.6
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	38	33.2	18.3	48.2
Some College or College Graduate	53	27.1	19.3	34.8
Annual Household Income				
Less than \$35,000 per Year	30	31.7	16.2	47.3
\$35,000 or Higher per Year	44	26.5	17.6	35.5
Disability				
Living with a Disability	51	74.4	62.4	86.4
Living without a Disability	40	15.6	9.9	21.3

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	2867	44.9	43.4	46.5
Cowley County	47	53.1	38.9	67.3
Gender				
Men	*	*	*	*
Women	34	55.6	39.9	71.3
Age				
18 to 44 Years	*	*	*	*
45 to 64 Years	*	*	*	*
65 Years and Older	*	*	*	*
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	46	52.9	38.4	67.4
Race				
White	45	53.8	38.9	68.7
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	*	*	*	*
Some College or College Graduate	27	53.7	39.0	68.5
Annual Household Income				
Less than \$35,000 per Year	*	*	*	*
\$35,000 or Higher per Year	*	*	*	*
Disability				
Living with a Disability	38	73.7	53.2	94.3
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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	2652	9.9	9.5	10.4
Cowley County	32	11.6	6.2	17.0
Gender				
Men	8	10.1	1.5	18.7
Women	24	13.0	6.5	19.5
Age				
18 to 44 Years	*	*	*	*
45 to 64 Years	9	6.9	2.1	11.7
65 Years and Older	19	26.4	14.9	37.8
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	31	12.2	6.4	17.9
Race				
White	31	12.9	6.8	18.9
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	14	12.6	2.7	22.4
Some College or College Graduate	18	10.9	5.0	16.9
Annual Household Income				
Less than \$35,000 per Year	15	14.8	3.5	26.2
\$35,000 or Higher per Year	13	10.3	3.9	16.8
Disability				
Living with a Disability	14	20.8	5.9	35.7
Living without a Disability	18	8.9	3.9	13.9

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	5278	26.4	25.5	27.2
Cowley County	85	31.1	23.0	39.3
Gender				
Men	28	24.6	12.7	36.6
Women	57	37.3	26.6	48.1
Age				
18 to 44 Years	16	28.7	14.0	43.5
45 to 64 Years	48	34.9	25.6	44.2
65 Years and Older	21	31.2	19.4	43.1
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	83	32.6	24.1	41.2
Race				
White	79	32.0	23.2	40.8
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	27	29.0	13.9	44.1
Some College or College Graduate	58	32.6	23.7	41.5
Annual Household Income				
Less than \$35,000 per Year	26	36.5	19.8	53.2
\$35,000 or Higher per Year	51	30.4	20.5	40.3
Disability				
Living with a Disability	27	48.7	32.5	64.9
Living without a Disability	56	24.8	16.5	33.2

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	1447	8.5	7.9	9.1
Cowley County	15	6.1	2.4	9.9
Gender				
Men	*	*	*	*
Women	13	11.1	4.1	18.0
Age				
18 to 44 Years	*	*	*	*
45 to 64 Years	8	7.3	1.4	13.1
65 Years and Older	*	*	*	*
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	13	5.9	2.0	9.7
Race				
White	11	4.3	1.3	7.4
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	*	*	*	*
Some College or College Graduate	11	7.7	2.2	13.2
Annual Household Income				
Less than \$35,000 per Year	5	6.8	0.0	14.7
\$35,000 or Higher per Year	10	7.1	2.2	12.0
Disability				
Living with a Disability	6	8.3	1.4	15.2
Living without a Disability	8	5.0	0.7	9.3

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	2267	8.5	8.1	9.0
Cowley County	28	8.9	5.1	12.8
Gender				
Men	11	10.1	3.6	16.6
Women	17	7.9	3.5	12.3
Age				
18 to 44 Years	*	*	*	*
45 to 64 Years	10	9.0	2.3	15.6
65 Years and Older	16	23.3	12.5	34.2
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	27	9.3	5.2	13.4
Race				
White	25	8.7	4.7	12.6
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	15	9.7	3.6	15.8
Some College or College Graduate	13	8.4	3.4	13.5
Annual Household Income				
Less than \$35,000 per Year	13	13.1	5.3	20.9
\$35,000 or Higher per Year	9	5.0	1.0	9.0
Disability				
Living with a Disability	14	16.3	6.7	25.8
Living without a Disability	13	6.6	2.5	10.6

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	4971	20.5	19.7	21.2
Cowley County	72	24.1	16.9	31.2
Gender				
Men	22	20.2	9.8	30.5
Women	50	27.8	18.2	37.5
Age				
18 to 44 Years	7	14.0	2.5	25.6
45 to 64 Years	29	28.9	18.8	39.0
65 Years and Older	36	40.2	28.1	52.4
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	71	25.5	17.9	33.0
Race				
White	68	25.1	17.3	32.9
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	32	28.6	14.3	42.9
Some College or College Graduate	40	20.9	13.9	27.9
Annual Household Income				
Less than \$35,000 per Year	32	33.6	18.0	49.1
\$35,000 or Higher per Year	29	18.6	10.9	26.3

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**

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	4526	18.9	18.1	19.6
Cowley County	68	23.3	16.1	30.4
Gender				
Men	21	19.8	9.5	30.1
Women	47	26.6	17.0	36.2
Age				
18 to 44 Years	7	14.0	2.5	25.6
45 to 64 Years	28	28.3	18.2	38.3
65 Years and Older	33	37.3	25.4	49.2
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	67	24.6	17.0	32.1
Race				
White	65	24.5	16.8	32.3
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	29	27.1	13.0	41.3
Some College or College Graduate	39	20.6	13.6	27.6
Annual Household Income				
Less than \$35,000 per Year	30	32.1	16.7	47.6
\$35,000 or Higher per Year	28	18.3	10.6	25.9

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	14770	81.4	80.6	82.1
Cowley County	200	84.3	77.9	90.7
Gender				
Men	81	88.7	79.8	97.5
Women	119	80.2	71.1	89.2
Age				
18 to 44 Years	45	87.2	76.1	98.3
45 to 64 Years	94	80.6	71.7	89.5
65 Years and Older	61	82.8	73.4	92.2
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	193	83.5	76.7	90.3
Race				
White	186	84.6	77.7	91.6
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	73	84.3	71.5	97.1
Some College or College Graduate	127	84.3	78.2	90.4
Annual Household Income				
Less than \$35,000 per Year	69	78.5	63.2	93.7
\$35,000 or Higher per Year	108	87.8	81.9	93.6
Disability				
Living with a Disability	57	65.4	47.5	83.4
Living without a Disability	141	90.1	85.7	94.5

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	6848	38.4	37.4	39.4
Cowley County	106	49.8	40.3	59.4
Gender				
Men	49	54.8	39.6	70.1
Women	57	45.1	33.3	57.0
Age				
18 to 44 Years	24	54.3	37.3	71.4
45 to 64 Years	57	53.6	43.0	64.2
65 Years and Older	25	34.2	22.1	46.4
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	103	50.5	40.8	60.2
Race				
White	103	53.8	43.9	63.7
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	35	48.4	30.4	66.4
Some College or College Graduate	71	50.9	40.6	61.1
Annual Household Income				
Less than \$35,000 per Year	25	31.1	15.6	46.6
\$35,000 or Higher per Year	66	61.6	50.2	73.1
Disability				
Living with a Disability	29	48.8	32.1	65.5
Living without a Disability	76	50.2	38.7	61.7

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	3019	12.3	11.7	12.9
Cowley County	36	13.9	8.1	19.7
Gender				
Men	11	12.7	3.2	22.2
Women	25	15.0	8.0	22.0
Age				
18 to 44 Years	*	*	*	*
45 to 64 Years	18	18.1	8.8	27.3
65 Years and Older	14	19.9	9.3	30.4
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	33	12.7	7.1	18.4
Race				
White	32	12.5	6.8	18.2
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	21	24.0	10.9	37.2
Some College or College Graduate	15	7.1	2.9	11.3
Annual Household Income				
Less than \$35,000 per Year	18	21.2	7.9	34.4
\$35,000 or Higher per Year	15	10.6	4.6	16.7
Disability				
Living with a Disability	20	31.2	15.4	47.1
Living without a Disability	15	8.3	3.3	13.2

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	1641	11.8	11.1	12.6
Cowley County	24	13.4	6.8	20.0
Gender				
Men	13	15.7	4.8	26.7
Women	11	11.2	3.3	19.0
Age				
18 to 44 Years	10	20.5	7.5	33.5
45 to 64 Years	14	11.4	5.3	17.6
65 Years and Older	*	*	*	*
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	22	11.6	5.3	17.9
Race				
White	20	11.0	4.6	17.5
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	11	20.1	6.2	34.1
Some College or College Graduate	13	8.6	3.3	13.9
Annual Household Income				
Less than \$35,000 per Year	15	25.5	10.1	40.9
\$35,000 or Higher per Year	7	4.9	0.8	9.0
Disability				
Living with a Disability	6	15.4	0.5	30.3
Living without a Disability	18	12.9	5.5	20.4

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	1912	14.6	13.8	15.5
Cowley County	19	10.9	4.7	17.0
Gender				
Men	12	16.6	5.4	27.9
Women	7	5.5	0.3	10.6
Age				
18 to 44 Years	6	15.0	3.1	26.9
45 to 64 Years	8	7.9	2.3	13.6
65 Years and Older	5	5.7	0.3	11.2
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	17	8.6	3.4	13.7
Race				
White	17	9.1	3.7	14.6
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	8	17.0	3.8	30.2
Some College or College Graduate	11	6.6	2.2	11.0
Annual Household Income				
Less than \$35,000 per Year	13	20.9	7.5	34.2
\$35,000 or Higher per Year	*	*	*	*
Disability				
Living with a Disability	5	6.2	0.2	12.2
Living without a Disability	14	12.6	4.6	20.5

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	1823	11.2	10.5	11.8
Cowley County	35	16.0	9.2	22.9
Gender				
Men	12	14.8	3.9	25.6
Women	23	17.3	8.6	25.9
Age				
18 to 44 Years	11	21.5	8.3	34.7
45 to 64 Years	21	16.4	9.2	23.6
65 Years and Older	*	*	*	*
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	32	13.6	7.2	20.0
Race				
White	29	12.3	5.9	18.7
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	13	18.9	5.3	32.5
Some College or College Graduate	22	14.1	7.4	20.8
Annual Household Income				
Less than \$35,000 per Year	21	32.6	16.7	48.5
\$35,000 or Higher per Year	12	6.4	2.4	10.4
Disability				
Living with a Disability	13	19.7	5.2	34.3
Living without a Disability	21	14.5	6.8	22.3

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	1630	8.6	8.1	9.2
Cowley County	23	9.4	3.8	15.0
Gender				
Men	5	5.5	0.0	12.7
Women	18	13.1	4.7	21.5
Age				
18 to 44 Years	*	*	*	*
45 to 64 Years	14	11.4	5.7	17.1
65 Years and Older	6	7.2	1.3	13.1
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	23	10.2	4.1	16.2
Race				
White	23	10.8	4.4	17.2
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	14	17.1	4.3	30.0
Some College or College Graduate	9	4.1	1.6	6.6
Annual Household Income				
Less than \$35,000 per Year	11	17.8	3.0	32.6
\$35,000 or Higher per Year	9	5.1	1.6	8.5
Disability				
Living with a Disability	15	32.4	14.5	50.4
Living without a Disability	7	2.1	0.4	3.8

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	1037	3.7	3.4	4.0
Cowley County	14	4.2	1.6	6.9
Gender				
Men	7	5.5	0.7	10.2
Women	7	3.1	0.6	5.5
Age				
18 to 44 Years	*	*	*	*
45 to 64 Years	*	*	*	*
65 Years and Older	10	15.7	5.3	26.0
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	14	4.6	1.8	7.4
Race				
White	14	4.9	1.9	7.9
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	6	5.4	0.1	10.6
Some College or College Graduate	8	3.5	0.9	6.1
Annual Household Income				
Less than \$35,000 per Year	7	6.5	0.7	12.2
\$35,000 or Higher per Year	5	3.0	0.0	6.0
Disability				
Living with a Disability	6	4.9	0.7	9.1
Living without a Disability	8	4.1	0.9	7.3

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	7158	38.6	37.6	39.5
Cowley County	96	44.2	34.8	53.5
Gender				
Men	32	40.4	26.3	54.5
Women	64	47.4	35.4	59.5
Age				
18 to 44 Years	*	*	*	*
45 to 64 Years	46	42.1	31.1	53.1
65 Years and Older	35	43.9	31.0	56.7
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	96	45.8	36.3	55.3
Race				
White	89	42.1	32.3	51.8
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	37	43.7	26.8	60.6
Some College or College Graduate	59	44.3	33.2	55.5
Annual Household Income				
Less than \$35,000 per Year	30	37.7	21.2	54.2
\$35,000 or Higher per Year	54	46.2	33.9	58.5
Disability				
Living with a Disability	34	54.5	39.5	69.5
Living without a Disability	60	41.1	29.8	52.5

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	7332	28.7	27.9	29.5
Cowley County	99	34.4	26.3	42.5
Gender				
Men	36	34.7	21.4	47.9
Women	63	34.1	24.6	43.7
Age				
18 to 44 Years	10	19.1	6.6	31.5
45 to 64 Years	35	34.1	23.5	44.6
65 Years and Older	54	69.5	57.4	81.6
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	96	33.9	25.8	42.0
Race				
White	89	30.6	22.8	38.5
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	38	34.7	19.8	49.5
Some College or College Graduate	61	34.2	25.2	43.3
Annual Household Income				
Less than \$35,000 per Year	42	43.3	27.4	59.1
\$35,000 or Higher per Year	41	24.9	16.1	33.7
Disability				
Living with a Disability	40	53.5	37.3	69.6
Living without a Disability	58	28.7	19.8	37.7

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**

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	9542	58.9	58.0	59.9
Cowley County	131	60.2	51.3	69.1
Gender				
Men	57	67.8	53.8	81.9
Women	74	52.8	41.7	64.0
Age				
18 to 44 Years	33	64.4	48.3	80.4
45 to 64 Years	64	61.3	51.4	71.3
65 Years and Older	34	48.7	35.9	61.5
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	125	59.4	50.3	68.6
Race				
White	120	59.9	50.4	69.3
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	50	60.3	43.4	77.2
Some College or College Graduate	81	60.1	50.6	69.5
Annual Household Income				
Less than \$35,000 per Year	50	62.0	45.1	78.8
\$35,000 or Higher per Year	69	62.7	51.6	73.8
Disability				
Living with a Disability	37	52.6	36.5	68.6
Living without a Disability	92	62.2	51.6	72.7

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	4969	23.2	22.3	24.0
Cowley County	60	22.3	14.7	30.0
Gender				
Men	17	23.1	9.4	36.9
Women	43	21.6	14.2	29.0
Age				
18 to 44 Years	10	19.9	5.9	33.9
45 to 64 Years	23	18.2	10.4	26.1
65 Years and Older	27	33.7	21.7	45.7
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	60	24.1	15.9	32.2
Race				
White	56	23.8	15.3	32.3
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	32	30.5	15.0	46.1
Some College or College Graduate	28	16.5	9.7	23.3
Annual Household Income				
Less than \$35,000 per Year	28	35.1	18.0	52.1
\$35,000 or Higher per Year	23	15.2	8.0	22.3
Disability				
Living with a Disability	25	30.7	15.2	46.2
Living without a Disability	34	19.9	11.0	28.8

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	10019	51.5	50.5	52.6
Cowley County	139	55.6	45.8	65.5
Gender				
Men	50	51.9	36.4	67.5
Women	89	59.2	47.5	70.8
Age				
18 to 44 Years	31	50.3	33.0	67.6
45 to 64 Years	59	55.9	45.3	66.5
65 Years and Older	49	68.1	55.8	80.3
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	133	53.3	43.3	63.3
Race				
White	128	54.1	43.6	64.6
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	55	56.8	38.1	75.5
Some College or College Graduate	84	54.8	44.2	65.3
Annual Household Income				
Less than \$35,000 per Year	49	50.1	33.3	66.9
\$35,000 or Higher per Year	70	53.3	40.2	66.4
Disability				
Living with a Disability	52	69.9	54.0	85.8
Living without a Disability	86	51.3	39.7	62.9

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	10019	51.5	50.5	52.6
Cowley County	139	55.6	45.8	65.5
Gender				
Men	50	51.9	36.4	67.5
Women	89	59.2	47.5	70.8
Age				
18 to 44 Years	31	50.3	33.0	67.6
45 to 64 Years	59	55.9	45.3	66.5
65 Years and Older	49	68.1	55.8	80.3
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	133	53.3	43.3	63.3
Race				
White	128	54.1	43.6	64.6
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	55	56.8	38.1	75.5
Some College or College Graduate	84	54.8	44.2	65.3
Annual Household Income				
Less than \$35,000 per Year	49	50.1	33.3	66.9
\$35,000 or Higher per Year	70	53.3	40.2	66.4
Disability				
Living with a Disability	52	69.9	54.0	85.8
Living without a Disability	86	51.3	39.7	62.9

Numerator: Respondents reporting they did not participate in either 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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	14428	72.5	71.5	73.5
Cowley County	196	81.9	74.3	89.6
Gender				
Men	72	82.6	72.2	93.0
Women	124	81.3	70.1	92.5
Age				
18 to 44 Years	42	79.5	65.1	93.8
45 to 64 Years	87	79.1	70.4	87.8
65 Years and Older	67	91.6	84.9	98.2
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	188	80.5	72.4	88.7
Race				
White	180	80.8	72.3	89.4
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	75	88.8	78.8	98.8
Some College or College Graduate	121	77.1	66.6	87.6
Annual Household Income				
Less than \$35,000 per Year	73	90.8	80.0	100
\$35,000 or Higher per Year	96	74.4	62.7	86.1
Disability				
Living with a Disability	67	87.1	72.4	100
Living without a Disability	127	80.1	71.0	89.2

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**

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	4400	26.4	25.5	27.4
Cowley County	63	28.0	19.5	36.4
Gender				
Men	19	17.9	7.7	28.2
Women	44	37.5	25.7	49.3
Age				
18 to 44 Years	17	32.0	16.3	47.7
45 to 64 Years	33	29.6	20.0	39.2
65 Years and Older	13	16.4	7.4	25.3
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	60	27.6	19.0	36.2
Race				
White	59	28.3	19.4	37.3
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	21	22.2	9.3	35.1
Some College or College Graduate	42	32.0	21.4	42.5
Annual Household Income				
Less than \$35,000 per Year	21	25.9	12.6	39.1
\$35,000 or Higher per Year	36	29.9	17.9	41.8
Disability				
Living with a Disability	24	37.3	21.3	53.2
Living without a Disability	37	24.4	14.6	34.3

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	3019	17.8	17.0	18.7
Cowley County	46	17.3	11.3	23.2
Gender				
Men	19	15.7	7.2	24.2
Women	27	18.8	10.6	26.9
Age				
18 to 44 Years	9	12.8	3.9	21.8
45 to 64 Years	24	22.4	12.9	31.9
65 Years and Older	13	20.1	9.1	31.1
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	46	18.6	12.3	24.9
Race				
White	43	16.5	10.7	22.3
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	22	18.6	8.8	28.5
Some College or College Graduate	24	16.3	8.9	23.7
Annual Household Income				
Less than \$35,000 per Year	24	25.9	13.3	38.6
\$35,000 or Higher per Year	18	13.2	6.3	20.0
Disability				
Living with a Disability	19	23.5	11.5	35.5
Living without a Disability	27	15.6	8.7	22.4

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	788	5.9	5.3	6.4
Cowley County	12	7.2	2.3	12.1
Gender				
Men	11	14.3	4.5	24.0
Women	*	*	*	*
Age				
18 to 44 Years	*	*	*	*
45 to 64 Years	*	*	*	*
65 Years and Older	*	*	*	*
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	12	7.8	2.5	13.0
Race				
White	12	8.3	2.7	13.9
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	7	11.8	1.4	22.3
Some College or College Graduate	5	4.0	0.3	7.7
Annual Household Income				
Less than \$35,000 per Year	7	14.4	2.1	26.6
\$35,000 or Higher per Year	5	4.5	0.0	9.4
Disability				
Living with a Disability	*	*	*	*
Living without a Disability	9	8.4	2.0	14.7

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**

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	2568	12.1	11.5	12.7
Cowley County	28	10.8	6.1	15.4
Gender				
Men	26	19.5	10.6	28.4
Women	*	*	*	*
Age				
18 to 44 Years	*	*	*	*
45 to 64 Years	13	13.2	5.2	21.1
65 Years and Older	13	23.7	12.1	35.4
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	28	11.6	6.6	16.6
Race				
White	26	10.0	5.7	14.3
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	11	11.6	3.8	19.5
Some College or College Graduate	17	10.2	4.6	15.8
Annual Household Income				
Less than \$35,000 per Year	13	19.1	7.7	30.5
\$35,000 or Higher per Year	13	7.2	2.6	11.8
Disability				
Living with a Disability	9	14.1	3.8	24.5
Living without a Disability	19	9.9	4.7	15.1

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	5453	28.8	27.9	29.7
Cowley County	73	34.9	25.3	44.4
Gender				
Men	29	35.1	19.8	50.4
Women	44	34.6	23.3	45.9
Age				
18 to 44 Years	*	*	*	*
45 to 64 Years	37	37.5	26.8	48.2
65 Years and Older	19	28.8	16.9	40.8
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	69	33.8	24.0	43.5
Race				
White	67	34.9	24.6	45.1
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	33	45.6	27.5	63.8
Some College or College Graduate	40	27.3	18.5	36.0
Annual Household Income				
Less than \$35,000 per Year	21	25.9	12.0	39.8
\$35,000 or Higher per Year	40	39.7	26.2	53.3
Disability				
Living with a Disability	22	37.7	21.2	54.1
Living without a Disability	51	34.4	22.9	45.9

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

Cowley County

	Unweighted Frequency	Weighted Percentage	95% Confidence Limit	
			Lower	Upper
Kansas	11952	64.6	63.6	65.6
Cowley County	160	73.1	64.8	81.5
Gender				
Men	72	78.0	64.5	91.5
Women	88	68.2	58.2	78.3
Age				
18 to 44 Years	*	*	*	*
45 to 64 Years	72	68.0	57.9	78.0
65 Years and Older	50	72.3	61.6	83.0
Ethnicity				
Hispanic	*	*	*	*
Non-Hispanic	154	74.3	66.0	82.5
Race				
White	146	74.1	65.6	82.7
African American	*	*	*	*
Other	*	*	*	*
Multi-Race	*	*	*	*
Education				
High School Graduate or Less	52	65.6	48.9	82.4
Some College or College Graduate	108	78.4	70.9	85.9
Annual Household Income				
Less than \$35,000 per Year	51	64.5	47.9	81.1
\$35,000 or Higher per Year	90	80.4	72.2	88.7
Disability				
Living with a Disability	50	76.9	65.0	88.9
Living without a Disability	109	72.2	61.8	82.6

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