

2017 Kansas Behavioral Risk Factor Surveillance System Local Data

North Central Kansas Public Health Initiative



This page is intentionally blank.

2017 Kansas Behavioral Risk Factor Surveillance System Local Data

State of Kansas
Laura Kelly, Governor

Kansas Department of Health and Environment
Lee A. Norman, M.D., Acting Secretary

Report Preparation:
Pratik Pandya, MPH
Advanced Epidemiologist
Health Promotion and BRFSS Epidemiology
Bureau of Epidemiology and Public Health Informatics (BEPHI)

Report Supervision:
Belle Federman, ScD
Senior Epidemiologist
Health Promotion and BRFSS Epidemiology
Bureau of Epidemiology and Public Health Informatics (BEPHI)

Project Funding:
Partial funding for the 2017 Behavioral Risk Factor Survey was provided by cooperative agreement 6NU58DP006025-03-01 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
February 2019**

Kansas Department of Health and Environment (KDHE)

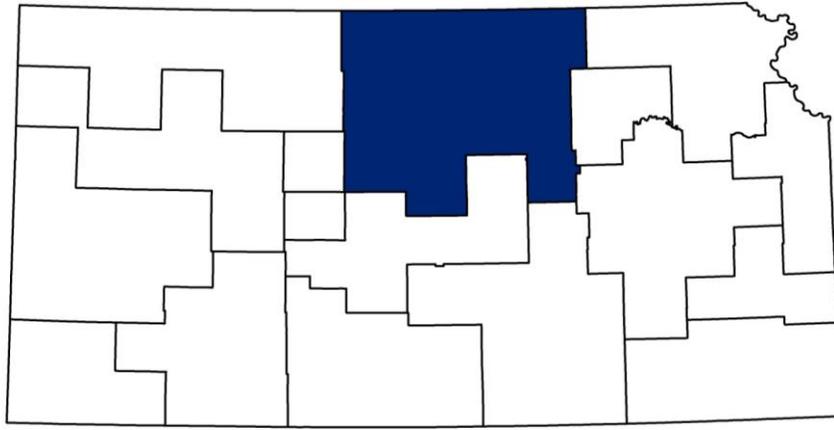
Mission

To protect and improve the health and environment of all Kansans

Vision

Healthy Kansans living in safe and sustainable environments

www.kdheks.gov



The North Central Kansas Public Health Initiative comprises the following counties:
Clay, Cloud, Dickinson, Ellsworth, Jewell, Lincoln, Mitchell, Osborne, Ottawa,
Republic, Russell, Smith, Washington

Kansas Behavioral Risk Factor Surveillance System – Local Data, 2017 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
Advanced Epidemiologist
Health Promotion and BRFSS Epidemiology
Bureau of Epidemiology and Public Health Informatics (BEPHI)
Kansas Department of Health and Environment
Curtis State Office Building,
1000 SW Jackson Street, Suite 230
Topeka, KS 66612-1274
Telephone: 785-296-6513
Fax: 785-296-8059
Pratik.Pandya@ks.gov

Belle Federman, ScD
Senior Epidemiologist
Health Promotion and BRFSS Epidemiology
Bureau of Epidemiology and Public Health Informatics (BEPHI)
Kansas Department of Health & Environment
Curtis State Office Building
1000 SW Jackson, Suite 230
Topeka, KS 66612-1274
Telephone: 785-296-1152
Fax: 785-296-8059
Belle.Federman@ks.gov



Table of Contents

Alcohol Consumption

Binge Drinking.....	1
Heavy Drinking.....	3

Arthritis

Arthritis	5
Activity Limitation Due to Arthritis	7

Asthma	9
---------------------	---

Cancer

Cancer (Excluding Skin Cancer)	11
Skin Cancer	13

Cardiovascular Health

Heart Attack	15
Coronary Heart Disease	17
Stroke	19
High Blood Pressure	21

Cholesterol

Not Checked Cholesterol within Five Years	23
High Blood Cholesterol Status.....	25

Chronic Obstructive Pulmonary Disease (COPD)	27
---	----

Depressive Disorder	29
----------------------------------	----

Diabetes	31
-----------------------	----

Disability	33
-------------------------	----

Exercise and Physical Activity

Not Participating in the Recommended Level of Physical Activity (Aerobic and/or Strengthening)	35
Did Not Participate in the Recommended Level of Aerobic and Strengthening Physical Activity.....	37
Not Participating in Any Physical Activity	39

Fruits and Vegetable Consumption

Consuming Fruits Less than 1 Time Per Day	41
Consuming Vegetables Less than 1 Time Per Day.....	43

Health Care Access

Lack Health Care Coverage	45
Lack Health Care Coverage 18 to 64 Years Old Only	47
No Personal Doctor	49
Did Not See Doctor Due to Cost.....	51

General Health	53
-----------------------------	----

Healthy Days - Health Related Quality of Life

Physical Health Status.....	55
Mental Health Status	57
Poor Physical or Mental Health is Barrier to Usual Activities.....	59

Immunization

Not Immunized Against Influenza.....	61
Not Immunized Against Influenza 65 Years and Older Only	63
Never Had Pneumonia Vaccination 65 Years and Older Only	65

Seatbelt Use	67
---------------------------	----

Tobacco Use

Current Smoker	69
Tried Quitting Smoking	71
Smokeless Tobacco Use.....	73
Male Smokeless Tobacco Use	75

Veteran Status	77
-----------------------------	----

Weight Status (BMI Categories)

Obese.....	79
Overweight or Obese	81

Technical Notes	83
------------------------------	----

Percentage of Adults Who Are Binge Drinkers, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	2,785	17.2	0.4	16.5	17.9
North Central Kansas Public Health Initiative	143	16.7	1.5	13.9	19.5
Gender					
Men	97	23.8	2.4	19.2	28.5
Women	46	9.9	1.6	6.8	12.9
Age Group					
18 to 44 Years	75	29.8	3.3	23.4	36.2
45 to 64 Years	50	13.5	2.0	9.7	17.3
65 Years and Older	17	4.3	1.1	2.2	6.4
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	136	16.3	1.5	13.4	19.1
Race					
White	140	16.7	1.5	13.8	19.5
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	53	16.8	2.4	12.1	21.5
Some College or College Graduate	90	16.6	1.8	13.1	20.2
Annual Household Income					
Less than \$35,000 per Year	37	12.8	2.3	8.3	17.4
\$35,000 or Higher per Year	86	19.8	2.2	15.6	24.1
Disability Status					
Living with a Disability†	30	12.9	2.6	7.9	17.9
Living without a Disability	112	18.5	1.8	15.0	22.0

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	32	16.6	2.9	10.8	22.3
Overweight (25 ≤ BMI < 30)	66	22.2	2.8	16.6	27.7
Obese (BMI ≥ 30)	41	13.4	2.1	9.2	17.5
Leisure Time Physical Activity					
Participates in leisure time physical activity	92	16.4	1.8	12.9	19.9
Does not participate in leisure time physical activity	46	16.7	2.6	11.7	21.7
Smoking Status					
Current smoker	47	32.1	4.5	23.3	41.0
Non-smoker	94	13.1	1.4	10.3	15.8
Health Insurance Status					
Insured	121	15.5	1.5	12.6	18.4
Uninsured	21	25.6	5.5	14.8	36.4

Numerator: Male respondents who reported having five or more drinks on one occasion in the past 30 days or female respondents who reported having four or more drinks on one occasion in the past 30 days.

Denominator: All respondents, excluding unknowns and refusals.

† **Living with a Disability:** Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* **Insufficient sample and/or statistically unreliable estimate**

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults Who Reported Heavy Alcohol Consumption in the Past 30 Days, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	1,067	6.0	0.2	5.6	6.4
North Central Kansas Public Health Initiative	55	6.2	1.0	4.3	8.1
Gender					
Men	35	8.6	1.6	5.4	11.7
Women	20	4.0	1.1	1.9	6.1
Age Group					
18 to 44 Years	22	8.9	2.0	4.9	12.8
45 to 64 Years	23	6.6	1.6	3.5	9.8
65 Years and Older	*	*	*	*	*
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	54	6.3	1.0	4.4	8.3
Race					
White	55	6.4	1.0	4.5	8.3
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	23	7.5	1.8	4.0	11.1
Some College or College Graduate	32	5.3	1.0	3.3	7.3
Annual Household Income					
Less than \$35,000 per Year	20	6.9	1.8	3.4	10.5
\$35,000 or Higher per Year	28	6.0	1.3	3.5	8.5
Disability Status					
Living with a Disability†	*	*	*	*	*
Living without a Disability	40	6.6	1.2	4.4	8.9

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	16	8.1	2.2	3.8	12.3
Overweight (25 ≤ BMI < 30)	19	5.0	1.4	2.3	7.7
Obese (BMI ≥ 30)	19	7.1	1.8	3.6	10.7
Leisure Time Physical Activity					
Participates in leisure time physical activity	28	4.0	0.8	2.4	5.6
Does not participate in leisure time physical activity	26	10.4	2.3	5.9	14.9
Smoking Status					
Current smoker	24	17.1	3.7	9.7	24.4
Non-smoker	30	3.7	0.8	2.2	5.1
Health Insurance Status					
Insured	45	5.1	0.8	3.5	6.7
Uninsured	*	*	*	*	*

Numerator: Male respondents who reported consuming an average of more than 14 drinks per week and female respondents who reported consuming an average of more than 7 drink per week during the past 30 days.

Denominator: All respondents, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults with Doctor Diagnosed Arthritis, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	6,634	24.1	0.3	23.5	24.8
North Central Kansas Public Health Initiative	347	31.1	1.7	27.8	34.3
Gender					
Men	136	25.8	2.2	21.5	30.1
Women	211	36.3	2.4	31.5	41.1
Age Group					
18 to 44 Years	38	13.2	2.3	8.6	17.8
45 to 64 Years	137	33.8	2.8	28.3	39.3
65 Years and Older	168	51.4	3.0	45.4	57.4
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	338	31.1	1.7	27.8	34.4
Race					
White	338	31.3	1.7	28.0	34.6
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	151	38.4	2.9	32.6	44.2
Some College or College Graduate	196	25.9	1.9	22.2	29.5
Annual Household Income					
Less than \$35,000 per Year	150	42.4	3.2	36.1	48.6
\$35,000 or Higher per Year	126	21.0	1.9	17.2	24.8
Disability Status					
Living with a Disability†	196	62.1	3.4	55.5	68.7
Living without a Disability	138	17.1	1.5	14.1	20.2

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	65	25.2	3.2	19.0	31.4
Overweight (25 ≤ BMI < 30)	104	26.6	2.7	21.2	32.0
Obese (BMI ≥ 30)	145	38.9	3.0	32.9	44.9
Leisure Time Physical Activity					
Participates in leisure time physical activity	198	27.7	1.9	23.9	31.5
Does not participate in leisure time physical activity	129	38.8	3.3	32.4	45.3
Smoking Status					
Current smoker	70	38.1	4.5	29.4	46.9
Non-smoker	266	29.7	1.8	26.1	33.2
Health Insurance Status					
Insured	317	31.6	1.7	28.2	35.0
Uninsured	29	27.3	5.1	17.2	37.4

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.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults with Doctor Diagnosed Arthritis Who Are Limited in Their Usual Activities Because of Arthritis or Joint Symptoms, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	3,148	49.7	0.8	48.2	51.2
North Central Kansas Public Health Initiative	171	51.2	3.2	45.0	57.3
Gender					
Men	68	50.6	4.9	40.9	60.2
Women	103	51.6	4.1	43.6	59.6
Age Group					
18 to 44 Years	*	*	*	*	*
45 to 64 Years	70	53.7	5.1	43.7	63.6
65 Years and Older	83	50.0	4.4	41.5	58.6
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	167	51.2	3.2	44.9	57.5
Race					
White	166	51.1	3.2	44.8	57.3
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	75	54.6	4.7	45.3	63.9
Some College or College Graduate	96	47.5	4.0	39.6	55.4
Annual Household Income					
Less than \$35,000 per Year	86	57.3	4.8	48.0	66.7
\$35,000 or Higher per Year	53	43.1	5.1	33.1	53.1
Disability Status					
Living with a Disability†	131	66.8	3.9	59.1	74.6
Living without a Disability	32	24.1	4.3	15.6	32.6

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	34	52.5	7.2	38.4	66.7
Overweight (25 ≤ BMI < 30)	46	44.5	6.0	32.8	56.3
Obese (BMI ≥ 30)	77	57.3	4.7	48.2	66.5
Leisure Time Physical Activity					
Participates in leisure time physical activity	88	46.3	4.0	38.4	54.2
Does not participate in leisure time physical activity	71	56.2	5.3	45.8	66.6
Smoking Status					
Current smoker	44	60.9	7.0	47.1	74.6
Non-smoker	120	47.1	3.6	40.0	54.1
Health Insurance Status					
Insured	153	51.1	3.3	44.7	57.6
Uninsured	*	*	*	*	*

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

Denominator: Respondents with doctor, nurse or other health professional diagnosed arthritis, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults with Current Asthma, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	1,901	9.1	0.3	8.6	9.6
North Central Kansas Public Health Initiative	90	9.3	1.1	7.1	11.4
Gender					
Men	35	7.2	1.3	4.6	9.8
Women	55	11.3	1.7	8.0	14.6
Age Group					
18 to 44 Years	24	8.7	1.9	5.0	12.3
45 to 64 Years	37	10.4	2.0	6.5	14.2
65 Years and Older	29	9.0	1.7	5.6	12.5
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	87	9.0	1.1	6.9	11.1
Race					
White	85	9.2	1.1	7.0	11.3
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	34	10.3	1.9	6.5	14.0
Some College or College Graduate	56	8.5	1.2	6.1	10.9
Annual Household Income					
Less than \$35,000 per Year	46	14.2	2.2	9.9	18.5
\$35,000 or Higher per Year	30	6.0	1.2	3.5	8.4
Disability Status					
Living with a Disability†	45	16.0	2.5	11.1	21.0
Living without a Disability	43	6.6	1.1	4.4	8.8

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	22	9.2	2.1	5.1	13.4
Overweight (25 ≤ BMI < 30)	24	7.4	1.7	4.0	10.8
Obese (BMI ≥ 30)	36	10.9	2.0	7.0	14.8
Leisure Time Physical Activity					
Participates in leisure time physical activity	56	9.6	1.4	6.9	12.3
Does not participate in leisure time physical activity	29	8.5	1.8	4.9	12.1
Smoking Status					
Current smoker	23	<i>14.1</i>	3.2	7.8	20.4
Non-smoker	64	8.3	1.1	6.1	10.5
Health Insurance Status					
Insured	77	8.7	1.1	6.5	10.8
Uninsured	12	<i>13.3</i>	3.9	5.6	21.0

Numerator: Respondents who reported they had been told by a doctor, nurse or other health professional that they had asthma and that they currently have asthma.

Denominator: All respondents, excluding unknowns and refusals.

† **Living with a Disability:** Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* **Insufficient sample and/or statistically unreliable estimate**

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults Who Have Been Diagnosed With Cancer (Excluding Skin Cancer), 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	2,030	7.1	0.2	6.7	7.4
North Central Kansas Public Health Initiative	100	8.8	1.0	6.8	10.7
Gender					
Men	32	6.0	1.2	3.8	8.3
Women	68	11.5	1.6	8.3	14.7
Age Group					
18 to 44 Years	*	*	*	*	*
45 to 64 Years	23	6.0	1.6	2.9	9.2
65 Years and Older	67	19.6	2.4	15.0	24.3
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	97	8.8	1.0	6.8	10.8
Race					
White	94	8.6	1.0	6.6	10.5
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	40	9.6	1.7	6.3	12.8
Some College or College Graduate	60	8.2	1.2	5.8	10.7
Annual Household Income					
Less than \$35,000 per Year	40	12.9	2.3	8.4	17.3
\$35,000 or Higher per Year	39	5.9	1.1	3.8	8.0
Disability Status					
Living with a Disability†	40	13.0	2.4	8.4	17.6
Living without a Disability	51	6.3	1.0	4.4	8.3

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	28	9.8	2.0	6.0	13.6
Overweight (25 ≤ BMI < 30)	34	10.7	2.1	6.7	14.8
Obese (BMI ≥ 30)	29	6.4	1.4	3.7	9.1
Leisure Time Physical Activity					
Participates in leisure time physical activity	56	7.4	1.1	5.4	9.5
Does not participate in leisure time physical activity	35	11.2	2.3	6.8	15.6
Smoking Status					
Current smoker	21	13.1	3.3	6.8	19.5
Non-smoker	72	7.6	1.0	5.6	9.5
Health Insurance Status					
Insured	94	9.1	1.1	7.0	11.2
Uninsured	*	*	*	*	*

Numerator: Respondents who reported they had been told by a doctor, nurse or other health professional that they had cancer (excluding skin cancer).

Denominator: All respondents, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults Who Have Been Diagnosed With Skin Cancer, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	1,960	6.3	0.2	5.9	6.6
North Central Kansas Public Health Initiative	95	7.9	0.9	6.1	9.6
Gender					
Men	49	7.4	1.1	5.2	9.5
Women	46	8.4	1.4	5.6	11.1
Age Group					
18 to 44 Years	*	*	*	*	*
45 to 64 Years	20	5.1	1.3	2.5	7.7
65 Years and Older	68	19.3	2.3	14.8	23.9
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	94	7.9	0.9	6.2	9.7
Race					
White	95	8.1	0.9	6.3	9.9
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	33	6.9	1.3	4.5	9.4
Some College or College Graduate	62	8.5	1.2	6.1	11.0
Annual Household Income					
Less than \$35,000 per Year	29	8.3	1.6	5.1	11.6
\$35,000 or Higher per Year	53	8.5	1.3	5.9	11.1
Disability Status					
Living with a Disability†	36	9.6	1.7	6.3	13.0
Living without a Disability	56	7.2	1.1	5.1	9.3

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	28	10.1	2.0	6.2	14.0
Overweight (25 ≤ BMI < 30)	36	7.8	1.4	5.1	10.5
Obese (BMI ≥ 30)	26	6.9	1.6	3.8	9.9
Leisure Time Physical Activity					
Participates in leisure time physical activity	60	8.3	1.2	5.9	10.6
Does not participate in leisure time physical activity	28	7.6	1.6	4.6	10.7
Smoking Status					
Current smoker	*	*	*	*	*
Non-smoker	88	9.5	1.1	7.3	11.6
Health Insurance Status					
Insured	93	8.7	1.0	6.7	10.6
Uninsured	*	*	*	*	*

Numerator: Respondents who reported they had been told by a doctor, nurse or other health professional that they had skin cancer.

Denominator: All respondents, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults Who had a Heart Attack, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	1,202	4.2	0.1	3.9	4.4
North Central Kansas Public Health Initiative	68	6.3	0.9	4.6	8.0
Gender					
Men	43	7.7	1.3	5.1	10.3
Women	25	4.9	1.2	2.6	7.2
Age Group					
18 to 44 Years	*	*	*	*	*
45 to 64 Years	26	6.6	1.5	3.6	9.6
65 Years and Older	39	13.5	2.3	9.0	18.0
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	67	6.3	0.9	4.6	8.1
Race					
White	65	6.3	0.9	4.5	8.0
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	30	8.0	1.7	4.7	11.3
Some College or College Graduate	38	5.1	0.9	3.3	6.8
Annual Household Income					
Less than \$35,000 per Year	26	6.8	1.5	3.9	9.7
\$35,000 or Higher per Year	26	4.1	0.9	2.4	5.8
Disability Status					
Living with a Disability†	37	11.9	2.2	7.6	16.1
Living without a Disability	27	3.4	0.7	1.9	4.8

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	*	*	*	*	*
Overweight (25 ≤ BMI < 30)	27	7.6	1.7	4.4	10.9
Obese (BMI ≥ 30)	28	7.3	1.6	4.2	10.5
Leisure Time Physical Activity					
Participates in leisure time physical activity	38	5.4	1.0	3.5	7.3
Does not participate in leisure time physical activity	25	7.5	1.8	4.0	10.9
Smoking Status					
Current smoker	15	6.5	1.9	2.7	10.3
Non-smoker	47	5.7	0.9	3.8	7.5
Health Insurance Status					
Insured	66	6.9	1.0	5.0	8.8
Uninsured	*	*	*	*	*

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

Denominator: All respondents, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults Who had Angina or Coronary Heart Disease, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	1,154	4.0	0.1	3.7	4.3
North Central Kansas Public Health Initiative	65	5.3	0.8	3.8	6.9
Gender					
Men	38	6.1	1.1	3.9	8.3
Women	27	4.6	1.1	2.5	6.8
Age Group					
18 to 44 Years	*	*	*	*	*
45 to 64 Years	27	6.2	1.4	3.4	9.1
65 Years and Older	34	10.2	2.0	6.4	14.1
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	64	5.3	0.8	3.8	6.9
Race					
White	61	5.2	0.8	3.7	6.8
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	25	5.9	1.5	3.0	8.7
Some College or College Graduate	40	5.0	0.8	3.3	6.6
Annual Household Income					
Less than \$35,000 per Year	21	4.1	1.0	2.2	6.0
\$35,000 or Higher per Year	31	4.7	0.9	3.0	6.4
Disability Status					
Living with a Disability†	36	10.6	2.0	6.6	14.6
Living without a Disability	27	2.8	0.6	1.7	4.0

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	*	*	*	*	*
Overweight (25 ≤ BMI < 30)	25	6.2	1.4	3.4	9.0
Obese (BMI ≥ 30)	28	6.8	1.5	3.8	9.7
Leisure Time Physical Activity					
Participates in leisure time physical activity	31	3.5	0.7	2.1	4.8
Does not participate in leisure time physical activity	29	8.3	1.8	4.8	11.8
Smoking Status					
Current smoker	*	*	*	*	*
Non-smoker	53	5.6	0.9	3.9	7.3
Health Insurance Status					
Insured	64	6.0	0.9	4.3	7.7
Uninsured	*	*	*	*	*

Numerator: Respondents who reported they had been told by a doctor, nurse or other health professional that they had angina or coronary heart disease.

Denominator: All respondents, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults Who Had a Stroke, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	799	2.9	0.1	2.7	3.2
North Central Kansas Public Health Initiative	35	3.0	0.5	1.9	4.0
Gender					
Men	19	3.5	0.8	1.9	5.2
Women	16	2.4	0.7	1.0	3.7
Age Group					
18 to 44 Years	*	*	*	*	*
45 to 64 Years	*	*	*	*	*
65 Years and Older	20	6.3	1.5	3.4	9.3
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	33	2.8	0.5	1.7	3.8
Race					
White	33	2.9	0.5	1.8	3.9
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	13	3.3	1.0	1.4	5.1
Some College or College Graduate	22	2.7	0.6	1.5	4.0
Annual Household Income					
Less than \$35,000 per Year	*	*	*	*	*
\$35,000 or Higher per Year	16	2.7	0.7	1.3	4.2
Disability Status					
Living with a Disability†	24	7.0	1.6	4.0	10.1
Living without a Disability	*	*	*	*	*

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	*	*	*	*	*
Overweight (25 ≤ BMI < 30)	13	3.0	0.9	1.2	4.8
Obese (BMI ≥ 30)	*	*	*	*	*
Leisure Time Physical Activity					
Participates in leisure time physical activity	20	3.1	0.7	1.6	4.5
Does not participate in leisure time physical activity	14	3.2	0.9	1.4	5.0
Smoking Status					
Current smoker	*	*	*	*	*
Non-smoker	28	3.2	0.6	1.9	4.4
Health Insurance Status					
Insured	32	3.0	0.6	1.9	4.2
Uninsured	*	*	*	*	*

Numerator: Respondents who reported they had been told by a doctor, nurse or other health professional that they had a stroke.

Denominator: All respondents, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults with Diagnosed Hypertension, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	8,757	32.8	0.4	32.0	33.5
North Central Kansas Public Health Initiative	454	41.7	1.8	38.2	45.2
Gender					
Men	248	48.1	2.6	43.0	53.1
Women	206	35.4	2.4	30.6	40.2
Age Group					
18 to 44 Years	58	20.1	2.8	14.7	25.5
45 to 64 Years	176	46.1	3.0	40.3	51.9
65 Years and Older	211	62.3	2.9	56.5	68.1
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	449	42.3	1.8	38.8	45.9
Race					
White	443	41.5	1.8	38.0	45.1
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	189	46.7	3.0	40.8	52.6
Some College or College Graduate	265	38.2	2.2	33.9	42.4
Annual Household Income					
Less than \$35,000 per Year	152	44.8	3.3	38.4	51.2
\$35,000 or Higher per Year	211	37.5	2.4	32.7	42.3
Disability Status					
Living with a Disability†	176	56.1	3.5	49.3	62.8
Living without a Disability	260	35.4	2.1	31.3	39.5

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	76	27.9	3.1	21.8	34.0
Overweight (25 ≤ BMI < 30)	158	41.7	3.1	35.6	47.8
Obese (BMI ≥ 30)	184	52.1	3.2	45.9	58.3
Leisure Time Physical Activity					
Participates in leisure time physical activity	278	40.4	2.2	36.0	44.7
Does not participate in leisure time physical activity	145	44.4	3.4	37.8	51.0
Smoking Status					
Current smoker	66	38.7	4.5	29.8	47.6
Non-smoker	368	42.2	2.0	38.3	46.1
Health Insurance Status					
Insured	428	44.4	1.9	40.6	48.1
Uninsured	26	23.1	4.8	13.8	32.4

Numerator: Respondents who reported they had been told by a doctor, nurse or other health professional that they have high blood pressure.

Denominator: All respondents, excluding unknowns and refusals.

† **Living with a Disability:** Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* **Insufficient sample and/or statistically unreliable estimate**

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

**Percentage of Adults Who Did Not Have Their Blood Cholesterol Checked
Within the Past Five Years, 2017 ‡**

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	2,246	15.2	0.4	14.5	15.9
North Central Kansas Public Health Initiative	126	16.9	1.5	13.9	20.0
Gender					
Men	67	17.8	2.2	13.5	22.1
Women	59	16.1	2.2	11.8	20.3
Age Group					
18 to 44 Years	78	38.3	3.8	30.9	45.6
45 to 64 Years	32	9.4	1.7	6.0	12.8
65 Years and Older	16	4.4	1.2	2.0	6.8
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	123	17.0	1.6	13.9	20.0
Race					
White	122	17.1	1.6	14.0	20.1
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	55	20.0	2.7	14.6	25.3
Some College or College Graduate	71	14.9	1.8	11.4	18.5
Annual Household Income					
Less than \$35,000 per Year	46	19.5	2.8	13.9	25.0
\$35,000 or Higher per Year	61	16.0	2.1	12.0	20.0
Disability Status					
Living with a Disability†	30	12.6	2.4	7.9	17.2
Living without a Disability	92	18.7	1.9	14.9	22.4

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	37	23.6	3.6	16.5	30.7
Overweight (25 ≤ BMI < 30)	53	18.0	2.5	13.0	22.9
Obese (BMI ≥ 30)	26	10.9	2.3	6.5	15.4
Leisure Time Physical Activity					
Participates in leisure time physical activity	73	15.9	1.9	12.2	19.6
Does not participate in leisure time physical activity	41	16.8	2.7	11.5	22.2
Smoking Status					
Current smoker	37	27.4	4.5	18.6	36.2
Non-smoker	84	14.0	1.5	11.0	17.0
Health Insurance Status					
Insured	89	12.8	1.4	10.1	15.6
Uninsured	36	46.2	6.3	33.8	58.5

Numerator: Respondents who reported they had not checked their blood cholesterol in the past five years or never had their blood cholesterol checked.

Denominator: All respondents excluding unknowns and refusals.

‡ In 2017, the cholesterol questions have been modified for all states.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults Tested and Diagnosed with High Cholesterol, 2017 ‡

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	7,314	34.1	0.4	33.2	34.9
North Central Kansas Public Health Initiative	334	37.8	1.9	34.0	41.6
Gender					
Men	167	38.1	2.7	32.8	43.5
Women	167	37.5	2.8	32.1	42.9
Age Group					
18 to 44 Years	29	19.6	3.6	12.6	26.6
45 to 64 Years	142	40.5	3.1	34.5	46.5
65 Years and Older	161	50.5	3.2	44.3	56.7
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	327	37.5	2.0	33.7	41.4
Race					
White	328	38.2	2.0	34.3	42.0
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	115	41.1	3.4	34.3	47.8
Some College or College Graduate	219	35.8	2.3	31.3	40.3
Annual Household Income					
Less than \$35,000 per Year	104	40.6	3.7	33.4	47.9
\$35,000 or Higher per Year	169	34.2	2.5	29.3	39.1
Disability Status					
Living with a Disability†	128	48.7	3.8	41.3	56.1
Living without a Disability	192	32.2	2.3	27.8	36.7

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	57	32.0	4.0	24.2	39.7
Overweight (25 ≤ BMI < 30)	110	34.6	3.2	28.4	40.9
Obese (BMI ≥ 30)	139	42.5	3.3	35.9	49.0
Leisure Time Physical Activity					
Participates in leisure time physical activity	203	36.2	2.4	31.5	40.8
Does not participate in leisure time physical activity	110	40.5	3.7	33.4	47.7
Smoking Status					
Current smoker	51	42.6	5.3	32.1	53.0
Non-smoker	269	36.5	2.1	32.3	40.6
Health Insurance Status					
Insured	320	38.9	2.0	35.0	42.9
Uninsured	14	27.9	7.0	14.2	41.7

Numerator: Respondents who reported they had been told by a doctor, nurse or other health professional that they have high blood cholesterol.

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

‡ In 2017, the cholesterol questions have been modified for all states.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

**Percentage of Adults Who Have Chronic Obstructive Pulmonary Disease
(COPD), Emphysema or Chronic Bronchitis, 2017**

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	1,644	6.4	0.2	6.0	6.8
North Central Kansas Public Health Initiative	85	8.1	1.0	6.1	10.1
Gender					
Men	33	6.3	1.2	3.9	8.8
Women	52	9.9	1.6	6.7	13.0
Age Group					
18 to 44 Years	*	*	*	*	*
45 to 64 Years	43	10.7	1.8	7.1	14.3
65 Years and Older	38	13.0	2.2	8.7	17.4
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	84	8.3	1.0	6.3	10.4
Race					
White	79	7.9	1.0	5.9	9.9
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	44	10.9	1.9	7.2	14.6
Some College or College Graduate	41	6.2	1.1	4.0	8.4
Annual Household Income					
Less than \$35,000 per Year	53	15.9	2.3	11.4	20.4
\$35,000 or Higher per Year	23	4.6	1.3	2.1	7.0
Disability Status					
Living with a Disability†	57	18.7	2.7	13.4	23.9
Living without a Disability	27	4.0	0.9	2.1	5.8

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	20	6.9	1.7	3.6	10.2
Overweight (25 ≤ BMI < 30)	23	6.7	1.8	3.2	10.2
Obese (BMI ≥ 30)	36	10.9	2.0	7.1	14.8
Leisure Time Physical Activity					
Participates in leisure time physical activity	45	6.7	1.1	4.5	8.9
Does not participate in leisure time physical activity	34	11.4	2.3	6.9	15.9
Smoking Status					
Current smoker	39	21.7	4.0	14.0	29.5
Non-smoker	43	5.2	0.9	3.5	6.9
Health Insurance Status					
Insured	80	8.6	1.1	6.4	10.8
Uninsured	*	*	*	*	*

Numerator: Respondents who reported they had been told by a doctor, nurse or other health professional that they have chronic obstructive pulmonary disease (COPD), emphysema or chronic bronchitis.

Denominator: All respondents, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

**Percentage of Adults Who Were Ever Diagnosed with a Depressive Disorder,
2017**

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	4,374	20.9	0.4	20.2	21.6
North Central Kansas Public Health Initiative	212	21.9	1.5	18.9	25.0
Gender					
Men	70	15.4	1.9	11.6	19.2
Women	142	28.4	2.4	23.8	33.1
Age Group					
18 to 44 Years	74	27.6	3.1	21.6	33.7
45 to 64 Years	82	20.5	2.4	15.9	25.2
65 Years and Older	55	17.4	2.4	12.6	22.1
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	208	22.2	1.6	19.1	25.3
Race					
White	207	22.1	1.6	19.1	25.2
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	86	27.2	2.9	21.5	32.8
Some College or College Graduate	126	18.2	1.6	15.1	21.4
Annual Household Income					
Less than \$35,000 per Year	97	31.3	3.1	25.3	37.3
\$35,000 or Higher per Year	71	12.9	1.7	9.7	16.2
Disability Status					
Living with a Disability†	117	41.9	3.4	35.1	48.6
Living without a Disability	87	12.9	1.4	10.0	15.7

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	58	28.1	3.4	21.3	34.8
Overweight (25 ≤ BMI < 30)	56	17.2	2.6	12.2	22.3
Obese (BMI ≥ 30)	87	25.3	2.7	19.9	30.6
Leisure Time Physical Activity					
Participates in leisure time physical activity	123	19.9	1.8	16.3	23.5
Does not participate in leisure time physical activity	76	26.0	3.1	20.0	32.1
Smoking Status					
Current smoker	61	40.1	4.7	30.9	49.2
Non-smoker	145	17.9	1.5	14.9	20.9
Health Insurance Status					
Insured	184	20.6	1.6	17.5	23.6
Uninsured	28	32.8	5.6	21.8	43.9

Numerator: Respondents who reported they had ever been told by a doctor, nurse or other health professional that they have a depressive disorder (including depression, major depression, dysthymia, or minor depression).

Denominator: All respondents, excluding unknowns and refusals.

† **Living with a Disability:** Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults with Diagnosed Diabetes, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	2,844	10.5	0.2	10.0	11.0
North Central Kansas Public Health Initiative	130	11.0	1.1	8.9	13.0
Gender					
Men	61	10.9	1.5	7.9	13.8
Women	69	11.0	1.5	8.1	13.9
Age Group					
18 to 44 Years	*	*	*	*	*
45 to 64 Years	50	12.3	1.9	8.5	16.0
65 Years and Older	70	19.2	2.3	14.6	23.8
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	120	9.8	1.0	7.9	11.8
Race					
White	122	10.6	1.0	8.5	12.6
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	47	9.6	1.5	6.6	12.7
Some College or College Graduate	83	11.9	1.4	9.1	14.7
Annual Household Income					
Less than \$35,000 per Year	52	14.1	2.1	10.0	18.2
\$35,000 or Higher per Year	56	9.3	1.4	6.6	12.1
Disability Status					
Living with a Disability†	61	17.1	2.3	12.5	21.7
Living without a Disability	63	8.2	1.2	5.9	10.5

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	16	6.2	1.7	2.8	9.6
Overweight (25 ≤ BMI < 30)	27	5.4	1.1	3.2	7.5
Obese (BMI ≥ 30)	73	18.6	2.3	14.0	23.2
Leisure Time Physical Activity					
Participates in leisure time physical activity	75	11.2	1.4	8.4	14.0
Does not participate in leisure time physical activity	46	10.9	1.8	7.5	14.4
Smoking Status					
Current smoker	17	7.4	2.0	3.4	11.3
Non-smoker	106	11.6	1.2	9.2	14.0
Health Insurance Status					
Insured	125	11.8	1.2	9.6	14.1
Uninsured	*	*	*	*	*

Numerator: Respondents who reported 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.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults Who Reported Living with a Disability, 2017†

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	5,832	25.9	0.4	25.2	26.7
North Central Kansas Public Health Initiative	300	30.8	1.7	27.4	34.2
Gender					
Men	130	27.2	2.3	22.6	31.7
Women	170	34.3	2.5	29.3	39.3
Age Group					
18 to 44 Years	44	19.5	2.9	13.8	25.3
45 to 64 Years	114	31.8	2.9	26.2	37.5
65 Years and Older	140	44.8	3.1	38.8	50.9
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	292	30.6	1.8	27.2	34.0
Race					
White	291	30.7	1.8	27.3	34.2
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	138	41.4	3.1	35.2	47.5
Some College or College Graduate	162	23.7	1.9	20.0	27.3
Annual Household Income					
Less than \$35,000 per Year	152	49.2	3.3	42.7	55.7
\$35,000 or Higher per Year	95	17.1	1.9	13.4	20.8
Weight Category					
Normal or Underweight (BMI < 25)	66	27.0	3.2	20.7	33.4
Overweight (25 ≤ BMI < 30)	83	25.5	2.9	19.8	31.1
Obese (BMI ≥ 30)	137	40.0	3.1	33.9	46.2

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Leisure Time Physical Activity					
Participates in leisure time physical activity	152	24.9	2.0	20.9	28.8
Does not participate in leisure time physical activity	136	42.8	3.4	36.1	49.4
Smoking Status					
Current smoker	73	45.5	4.7	36.2	54.8
Non-smoker	223	27.2	1.8	23.7	30.8
Health Insurance Status					
Insured	269	30.4	1.8	26.8	34.0
Uninsured	30	33.9	5.7	22.7	45.1

Numerator: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living)

Denominator: All respondents, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults Not Participating in the Recommended Level of Physical Activity (Aerobic and/or Strengthening), 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	15,354	81.0	0.4	80.3	81.7
North Central Kansas Public Health Initiative	780	87.1	1.2	84.7	89.5
Gender					
Men	374	87.7	1.8	84.3	91.2
Women	406	86.5	1.7	83.1	90.0
Age Group					
18 to 44 Years	204	86.4	2.3	82.0	90.9
45 to 64 Years	320	89.0	1.9	85.3	92.8
65 Years and Older	254	84.9	2.3	80.4	89.3
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	763	87.2	1.3	84.8	89.7
Race					
White	758	86.9	1.3	84.5	89.4
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	290	91.4	1.7	88.0	94.8
Some College or College Graduate	490	84.3	1.7	80.9	87.6
Annual Household Income					
Less than \$35,000 per Year	253	90.1	2.0	86.2	93.9
\$35,000 or Higher per Year	403	84.4	1.8	80.8	88.0
Disability Status					
Living with a Disability†	246	90.1	2.1	86.0	94.2
Living without a Disability	526	85.8	1.5	82.8	88.8

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	180	82.0	2.9	76.4	87.6
Overweight (25 ≤ BMI < 30)	276	88.6	1.8	85.0	92.2
Obese (BMI ≥ 30)	279	88.7	2.1	84.5	92.8
Smoking Status					
Current smoker	131	89.7	2.9	84.0	95.3
Non-smoker	643	86.8	1.4	84.1	89.5
Health Insurance Status					
Insured	709	86.8	1.3	84.2	89.4
Uninsured	*	*	*	*	*

Numerator: Respondents not participating in the recommended level of physical activity or participating in insufficient recommended level of physical activity for either aerobic or muscle strengthening guidelines.

Denominator: All respondents, excluding unknowns and refusals.

Not participating in the recommended level of physical activity referred to not participating in aerobic and strengthening exercises according to guidelines.

Participating in insufficient level of recommended physical activity referred to participating only in aerobic or only in strengthening exercises according to guidelines.

The aerobic guideline is defined as 150 minutes a week of moderate-intensity aerobic activity, or 75 minutes a week of vigorous-intensity aerobic activity, or an equivalent combination of moderate- and vigorous-intensity aerobic activity.

The strengthening guideline is defined as muscle-strengthening activities that involved all major muscle groups two or more times per week.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults Not Participating in the Recommended Level of Physical Activity (Aerobic and Strengthening), 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	7,754	41.2	0.5	40.3	42.1
North Central Kansas Public Health Initiative	416	47.1	1.9	43.3	50.9
Gender					
Men	205	48.5	2.8	43.1	53.9
Women	211	45.8	2.7	40.5	51.2
Age Group					
18 to 44 Years	104	45.4	3.6	38.3	52.5
45 to 64 Years	167	48.4	3.1	42.4	54.5
65 Years and Older	143	46.1	3.2	39.7	52.4
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	406	47.1	2.0	43.2	51.0
Race					
White	408	47.2	2.0	43.4	51.1
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	171	52.5	3.3	46.0	58.9
Some College or College Graduate	245	43.6	2.4	38.9	48.2
Annual Household Income					
Less than \$35,000 per Year	143	49.9	3.5	43.1	56.8
\$35,000 or Higher per Year	200	43.2	2.7	38.0	48.4
Disability Status					
Living with a Disability†	165	59.7	3.5	52.7	66.6
Living without a Disability	247	41.7	2.3	37.2	46.3

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	86	40.2	3.8	32.8	47.6
Overweight (25 ≤ BMI < 30)	138	44.1	3.3	37.6	50.7
Obese (BMI ≥ 30)	165	53.5	3.3	47.0	60.0
Smoking Status					
Current smoker	71	47.5	5.0	37.7	57.2
Non-smoker	341	47.0	2.1	42.8	51.1
Health Insurance Status					
Insured	370	45.9	2.0	41.9	49.9
Uninsured	43	56.1	6.4	43.6	68.6

Numerator: Respondents who did not participate in the recommended level of aerobic and strengthening exercises during the past month.

Denominator: All respondents, excluding unknowns and refusals.

The aerobic guideline is defined as 150 minutes a week of moderate-intensity aerobic activity, or 75 minutes a week of vigorous-intensity aerobic activity, or an equivalent combination of moderate- and vigorous-intensity aerobic activity.

The strengthening guideline is defined as muscle-strengthening activities that involved all major muscle groups two or more times per week.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults Not Participating in Any Physical Activity Other Than Their Regular Job in the Past 30 Days (Leisure Time Physical Activity), 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	5,721	27.9	0.4	27.1	28.7
North Central Kansas Public Health Initiative	311	34.2	1.8	30.7	37.8
Gender					
Men	156	34.5	2.6	29.5	39.5
Women	155	34.0	2.6	28.9	39.2
Age Group					
18 to 44 Years	67	28.6	3.3	22.2	34.9
45 to 64 Years	133	38.4	3.0	32.5	44.4
65 Years and Older	109	35.1	3.0	29.2	41.0
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	304	34.1	1.9	30.5	37.7
Race					
White	303	34.1	1.8	30.5	37.7
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	138	41.8	3.2	35.5	48.0
Some College or College Graduate	173	29.2	2.2	25.0	33.4
Annual Household Income					
Less than \$35,000 per Year	111	38.7	3.4	32.1	45.2
\$35,000 or Higher per Year	144	30.2	2.4	25.5	35.0
Disability Status					
Living with a Disability†	136	47.1	3.5	40.3	54.0
Living without a Disability	170	28.3	2.1	24.2	32.4

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	63	28.3	3.4	21.6	34.9
Overweight (25 ≤ BMI < 30)	100	32.7	3.2	26.6	38.9
Obese (BMI ≥ 30)	132	40.4	3.2	34.1	46.7
Smoking Status					
Current smoker	59	38.8	4.8	29.4	48.2
Non-smoker	250	33.1	2.0	29.3	37.0
Health Insurance Status					
Insured	273	32.3	1.9	28.6	36.0
Uninsured	37	49.7	6.2	37.6	61.8

Numerator: Respondents who reported 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.

† **Living with a Disability:** Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* **Insufficient sample and/or statistically unreliable estimate**

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

**Percentage of Adults Who Reported Consuming Fruit Less than 1 Time Per Day,
2017‡**

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	6,946	37.5	0.4	36.7	38.4
North Central Kansas Public Health Initiative	330	37.4	1.9	33.7	41.0
Gender					
Men	167	36.7	2.6	31.6	41.7
Women	163	38.0	2.7	32.7	43.4
Age Group					
18 to 44 Years	93	39.5	3.6	32.5	46.5
45 to 64 Years	153	45.1	3.1	39.1	51.1
65 Years and Older	82	24.9	2.7	19.6	30.2
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	325	37.8	1.9	34.1	41.6
Race					
White	325	38.0	1.9	34.3	41.8
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	132	41.7	3.3	35.3	48.1
Some College or College Graduate	198	34.5	2.2	30.0	38.9
Annual Household Income					
Less than \$35,000 per Year	112	39.3	3.4	32.7	46.0
\$35,000 or Higher per Year	163	35.9	2.6	30.9	40.9
Disability Status					
Living with a Disability†	107	40.2	3.6	33.1	47.2
Living without a Disability	221	36.3	2.2	32.0	40.6

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	75	36.7	3.7	29.4	44.0
Overweight (25 ≤ BMI < 30)	121	38.0	3.2	31.7	44.4
Obese (BMI ≥ 30)	117	37.7	3.2	31.5	44.0
Leisure Time Physical Activity					
Participates in leisure time physical activity	204	33.3	2.2	29.1	37.6
Does not participate in leisure time physical activity	119	44.4	3.6	37.4	51.4
Smoking Status					
Current smoker	74	48.5	4.9	38.9	58.2
Non-smoker	255	35.0	2.0	31.1	39.0
Health Insurance Status					
Insured	289	36.3	2.0	32.4	40.2
Uninsured	39	44.8	6.2	32.6	57.1

Numerator: Respondents who reported they consumed fruit less than 1 time per day.

Denominator: All respondents, excluding unknowns and refusals.

‡ In 2017, the fruit and vegetable questions have been modified for all states. Fruit consumption includes: fruits and 100% PURE fruit juices/blends.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

**Percentage of Adults Who Reported Consuming Vegetables Less than 1 Time
Per Day, 2017‡**

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	3,049	17.3	0.4	16.6	18.0
North Central Kansas Public Health Initiative	121	13.0	1.3	10.5	15.5
Gender					
Men	68	15.2	1.9	11.5	18.9
Women	53	10.9	1.7	7.5	14.3
Age Group					
18 to 44 Years	34	13.3	2.3	8.9	17.8
45 to 64 Years	49	14.2	2.2	9.8	18.5
65 Years and Older	37	11.4	2.1	7.4	15.4
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	120	13.3	1.3	10.7	15.8
Race					
White	120	13.3	1.3	10.7	15.8
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	60	18.7	2.5	13.7	23.6
Some College or College Graduate	61	9.3	1.3	6.7	11.8
Annual Household Income					
Less than \$35,000 per Year	55	17.6	2.5	12.7	22.4
\$35,000 or Higher per Year	44	8.7	1.5	5.8	11.5
Disability Status					
Living with a Disability†	47	17.5	2.7	12.1	22.9
Living without a Disability	72	11.0	1.4	8.3	13.8

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	33	15.1	2.7	9.9	20.3
Overweight (25 ≤ BMI < 30)	38	10.4	1.9	6.7	14.2
Obese (BMI ≥ 30)	45	14.8	2.4	10.1	19.5
Leisure Time Physical Activity					
Participates in leisure time physical activity	70	11.4	1.5	8.5	14.3
Does not participate in leisure time physical activity	50	16.2	2.5	11.3	21.2
Smoking Status					
Current smoker	30	19.3	3.7	12.0	26.5
Non-smoker	91	11.6	1.3	9.0	14.2
Health Insurance Status					
Insured	105	12.6	1.4	10.0	15.3
Uninsured	14	14.3	3.9	6.7	21.9

Numerator: Respondents who reported they consumed vegetables less than 1 time per day.

Denominator: All respondents, excluding unknowns and refusals.

‡ In 2017, the fruit and vegetable questions have been modified for all states. Vegetable consumption includes: green leafy or lettuce salad, fried potatoes, any other kind of potatoes/sweet potatoes, or other vegetables.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults Who Lack Health Care Coverage, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	1,969	12.5	0.3	11.8	13.1
North Central Kansas Public Health Initiative	91	11.9	1.3	9.3	14.4
Gender					
Men	49	13.0	2.0	9.1	16.8
Women	42	10.8	1.7	7.4	14.1
Age Group					
18 to 44 Years	52	20.9	2.9	15.3	26.5
45 to 64 Years	35	11.3	2.0	7.4	15.3
65 Years and Older	*	*	*	*	*
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	86	11.5	1.3	9.0	14.1
Race					
White	88	11.9	1.3	9.3	14.5
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	48	17.6	2.5	12.6	22.6
Some College or College Graduate	43	7.8	1.2	5.4	10.3
Annual Household Income					
Less than \$35,000 per Year	48	18.9	2.7	13.6	24.2
\$35,000 or Higher per Year	27	6.4	1.3	3.9	9.0
Disability Status					
Living with a Disability†	30	12.7	2.4	7.9	17.5
Living without a Disability	55	11.0	1.5	8.0	14.0

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	25	14.8	2.9	9.1	20.5
Overweight (25 ≤ BMI < 30)	26	7.9	1.7	4.5	11.2
Obese (BMI ≥ 30)	30	11.8	2.3	7.4	16.3
Leisure Time Physical Activity					
Participates in leisure time physical activity	45	8.7	1.3	6.1	11.3
Does not participate in leisure time physical activity	37	16.4	2.7	11.1	21.8
Smoking Status					
Current smoker	27	23.6	4.3	15.2	31.9
Non-smoker	59	8.8	1.2	6.4	11.1

Numerator: Respondents who reported they had no health care coverage.

Denominator: All respondents, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

**Percentage of Adults Ages 18 to 64 Years Old Who Lack Health Care Coverage,
2017**

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	1,830	15.3	0.4	14.5	16.1
North Central Kansas Public Health Initiative	87	16.0	1.8	12.6	19.5
Gender					
Men	48	17.2	2.6	12.2	22.3
Women	39	14.8	2.4	10.1	19.5
Age Group					
18 to 44 Years	52	20.9	2.9	15.3	26.5
45 to 64 Years	35	11.3	2.0	7.4	15.3
65 Years and Older	*	*	*	*	*
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	82	15.6	1.8	12.1	19.1
Race					
White	84	15.9	1.8	12.4	19.4
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	46	24.0	3.4	17.3	30.7
Some College or College Graduate	41	10.5	1.7	7.2	13.8
Annual Household Income					
Less than \$35,000 per Year	45	26.6	3.8	19.3	34.0
\$35,000 or Higher per Year	26	8.1	1.7	4.8	11.3
Disability Status					
Living with a Disability†	28	20.2	3.8	12.7	27.7
Living without a Disability	53	13.6	1.9	9.9	17.3

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	22	19.5	3.9	11.8	27.1
Overweight (25 ≤ BMI < 30)	25	11.0	2.4	6.3	15.6
Obese (BMI ≥ 30)	30	15.5	2.9	9.8	21.2
Leisure Time Physical Activity					
Participates in leisure time physical activity	42	11.5	1.8	8.0	15.1
Does not participate in leisure time physical activity	36	22.2	3.6	15.1	29.4
Smoking Status					
Current smoker	27	27.5	4.9	17.9	37.1
Non-smoker	55	11.9	1.6	8.7	15.2

Numerator: Respondents ages 18-64 years old who reported they had no health care coverage.

Denominator: All respondents ages 18-64 years old, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults with No Personal Doctor or Health Care Provider, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	3,646	22.4	0.4	21.7	23.2
North Central Kansas Public Health Initiative	151	17.1	1.4	14.3	19.9
Gender					
Men	98	21.8	2.2	17.5	26.0
Women	53	12.5	1.8	8.9	16.1
Age Group					
18 to 44 Years	69	25.6	3.0	19.7	31.5
45 to 64 Years	57	16.3	2.2	12.0	20.7
65 Years and Older	23	6.9	1.6	3.8	9.9
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	147	17.1	1.5	14.3	20.0
Race					
White	146	16.9	1.4	14.1	19.8
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	70	22.0	2.6	16.8	27.2
Some College or College Graduate	81	13.7	1.5	10.6	16.7
Annual Household Income					
Less than \$35,000 per Year	61	22.1	2.8	16.6	27.7
\$35,000 or Higher per Year	65	14.0	1.8	10.5	17.6
Disability Status					
Living with a Disability†	34	13.7	2.5	8.9	18.5
Living without a Disability	109	18.0	1.8	14.6	21.5

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	45	21.5	3.1	15.5	27.6
Overweight (25 ≤ BMI < 30)	51	17.8	2.6	12.8	22.9
Obese (BMI ≥ 30)	39	11.7	2.0	7.8	15.7
Leisure Time Physical Activity					
Participates in leisure time physical activity	89	15.7	1.7	12.4	19.1
Does not participate in leisure time physical activity	47	16.9	2.6	11.9	22.0
Smoking Status					
Current smoker	31	23.6	4.2	15.3	31.8
Non-smoker	114	15.3	1.5	12.5	18.2
Health Insurance Status					
Insured	124	15.2	1.4	12.5	18.0
Uninsured	27	31.4	5.7	20.2	42.5

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

Denominator: All respondents, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults Who Could Not See a Doctor Because of Cost In the Past 12 Months, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	2,144	12.1	0.3	11.5	12.7
North Central Kansas Public Health Initiative	97	11.1	1.2	8.7	13.5
Gender					
Men	38	9.5	1.7	6.1	12.8
Women	59	12.7	1.8	9.1	16.2
Age Group					
18 to 44 Years	41	16.3	2.6	11.2	21.4
45 to 64 Years	44	11.7	2.0	7.8	15.7
65 Years and Older	*	*	*	*	*
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	89	10.3	1.2	7.9	12.7
Race					
White	94	11.2	1.3	8.7	13.7
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	47	15.7	2.4	10.9	20.5
Some College or College Graduate	50	7.8	1.2	5.6	10.1
Annual Household Income					
Less than \$35,000 per Year	50	18.3	2.7	13.0	23.7
\$35,000 or Higher per Year	32	6.6	1.3	4.1	9.1
Disability Status					
Living with a Disability†	48	19.6	3.0	13.7	25.5
Living without a Disability	43	7.2	1.2	4.8	9.5

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	21	9.9	2.2	5.6	14.2
Overweight (25 ≤ BMI < 30)	26	8.8	1.9	5.0	12.6
Obese (BMI ≥ 30)	44	15.0	2.5	10.1	19.9
Leisure Time Physical Activity					
Participates in leisure time physical activity	57	9.8	1.4	7.0	12.5
Does not participate in leisure time physical activity	35	14.6	2.7	9.4	19.8
Smoking Status					
Current smoker	34	23.9	4.2	15.7	32.0
Non-smoker	60	8.3	1.2	5.9	10.6
Health Insurance Status					
Insured	67	8.1	1.1	5.9	10.3
Uninsured	30	33.6	5.7	22.5	44.8

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

Denominator: All respondents, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults with Fair or Poor Self-Perceived Health Status, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	3,766	16.7	0.3	16.0	17.3
North Central Kansas Public Health Initiative	210	21.1	1.5	18.1	24.1
Gender					
Men	107	23.8	2.3	19.3	28.3
Women	103	18.4	2.0	14.5	22.4
Age Group					
18 to 44 Years	39	15.2	2.6	10.2	20.3
45 to 64 Years	86	23.5	2.6	18.4	28.7
65 Years and Older	83	26.2	2.8	20.7	31.7
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	204	21.0	1.6	18.0	24.0
Race					
White	203	21.1	1.6	18.0	24.1
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	106	30.1	2.9	24.4	35.7
Some College or College Graduate	104	14.8	1.5	11.8	17.7
Annual Household Income					
Less than \$35,000 per Year	95	30.5	3.1	24.5	36.5
\$35,000 or Higher per Year	70	13.8	1.8	10.2	17.4
Disability Status					
Living with a Disability†	139	46.6	3.4	39.8	53.3
Living without a Disability	60	9.2	1.3	6.6	11.8

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	40	16.4	2.7	11.2	21.7
Overweight (25 ≤ BMI < 30)	54	16.3	2.5	11.4	21.3
Obese (BMI ≥ 30)	103	30.5	2.9	24.7	36.2
Leisure Time Physical Activity					
Participates in leisure time physical activity	100	16.0	1.7	12.6	19.4
Does not participate in leisure time physical activity	95	30.5	3.1	24.3	36.6
Smoking Status					
Current smoker	53	33.7	4.6	24.7	42.6
Non-smoker	147	17.8	1.5	14.8	20.8
Health Insurance Status					
Insured	184	20.3	1.6	17.2	23.4
Uninsured	25	27.6	5.3	17.1	38.0

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

Denominator: All respondents, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults Who Reported Their Physical Health Was Not Good on 14 or More Days in the Past 30 Days, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	2,574	11.3	0.3	10.8	11.8
North Central Kansas Public Health Initiative	144	15.4	1.4	12.6	18.2
Gender					
Men	58	13.8	2.0	10.0	17.7
Women	86	17.0	2.1	12.9	21.1
Age Group					
18 to 44 Years	21	9.8	2.4	5.2	14.4
45 to 64 Years	64	18.3	2.5	13.4	23.1
65 Years and Older	59	19.7	2.6	14.5	24.8
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	141	15.6	1.5	12.7	18.4
Race					
White	140	15.6	1.5	12.7	18.4
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	64	21.7	2.8	16.2	27.2
Some College or College Graduate	80	11.1	1.3	8.5	13.7
Annual Household Income					
Less than \$35,000 per Year	72	23.1	2.8	17.5	28.7
\$35,000 or Higher per Year	42	8.6	1.6	5.4	11.7
Disability Status					
Living with a Disability†	109	40.6	3.5	33.7	47.6
Living without a Disability	30	4.9	1.0	2.8	6.9

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	34	15.7	2.8	10.1	21.3
Overweight (25 ≤ BMI < 30)	40	13.7	2.5	8.8	18.6
Obese (BMI ≥ 30)	62	19.0	2.6	13.9	24.1
Leisure Time Physical Activity					
Participates in leisure time physical activity	63	10.4	1.5	7.5	13.4
Does not participate in leisure time physical activity	74	25.6	3.1	19.5	31.7
Smoking Status					
Current smoker	40	28.5	4.6	19.5	37.5
Non-smoker	99	12.6	1.4	9.8	15.3
Health Insurance Status					
Insured	133	15.7	1.5	12.7	18.7
Uninsured	*	*	*	*	*

Numerator: Respondents who reported 14 or more days when their physical health was not good in the past 30 days.

Denominator: All respondents, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

**Percentage of Adults Who Reported Their Mental Health Was Not Good on 14
or More Days in the Past 30 Days, 2017**

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	2,163	11.4	0.3	10.8	12.0
North Central Kansas Public Health Initiative	123	13.9	1.3	11.3	16.5
Gender					
Men	46	10.5	1.6	7.3	13.7
Women	77	17.3	2.1	13.2	21.3
Age Group					
18 to 44 Years	52	20.0	2.8	14.5	25.5
45 to 64 Years	51	13.9	2.0	9.9	17.8
65 Years and Older	20	6.6	1.7	3.4	9.9
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	118	13.7	1.3	11.0	16.3
Race					
White	118	13.8	1.4	11.2	16.5
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	57	17.9	2.5	13.0	22.8
Some College or College Graduate	66	11.1	1.4	8.3	13.9
Annual Household Income					
Less than \$35,000 per Year	71	25.3	3.0	19.5	31.0
\$35,000 or Higher per Year	30	6.2	1.3	3.6	8.8
Disability Status					
Living with a Disability†	78	31.4	3.4	24.8	38.0
Living without a Disability	41	6.4	1.1	4.3	8.4

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	31	14.7	2.7	9.5	20.0
Overweight (25 ≤ BMI < 30)	34	12.2	2.4	7.5	16.9
Obese (BMI ≥ 30)	53	16.9	2.4	12.3	21.5
Leisure Time Physical Activity					
Participates in leisure time physical activity	64	11.2	1.5	8.3	14.2
Does not participate in leisure time physical activity	53	19.9	2.8	14.3	25.4
Smoking Status					
Current smoker	45	31.6	4.6	22.6	40.6
Non-smoker	73	9.8	1.2	7.5	12.2
Health Insurance Status					
Insured	104	12.5	1.3	9.9	15.1
Uninsured	19	24.6	5.3	14.3	34.9

Numerator: Respondents who reported 14 or more days when their mental health was not good in the past 30 days.

Denominator: All respondents, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults Who Reported Their Poor Physical or Mental Health Kept Them From Doing Their Usual Activities, such as Self-care, Work or Recreation in the Past 30 Days, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	4,399	40.8	0.6	39.6	42.0
North Central Kansas Public Health Initiative	188	37.2	2.6	32.2	42.3
Gender					
Men	75	34.9	3.7	27.5	42.2
Women	113	39.0	3.5	32.2	45.8
Age Group					
18 to 44 Years	47	32.1	4.4	23.5	40.7
45 to 64 Years	81	40.3	4.2	32.0	48.5
65 Years and Older	59	40.9	4.6	31.9	49.9
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	181	37.0	2.6	31.9	42.1
Race					
White	179	37.2	2.6	32.1	42.3
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	68	38.9	4.3	30.5	47.3
Some College or College Graduate	120	36.0	3.1	30.0	42.0
Annual Household Income					
Less than \$35,000 per Year	83	41.9	4.1	33.8	50.1
\$35,000 or Higher per Year	74	31.5	3.6	24.4	38.7
Disability Status					
Living with a Disability†	123	59.1	4.2	51.0	67.3
Living without a Disability	64	22.1	2.8	16.7	27.6

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	47	41.5	5.2	31.3	51.6
Overweight (25 ≤ BMI < 30)	55	31.3	4.3	22.8	39.8
Obese (BMI ≥ 30)	80	42.8	4.3	34.4	51.3
Leisure Time Physical Activity					
Participates in leisure time physical activity	97	33.0	3.1	26.8	39.1
Does not participate in leisure time physical activity	83	45.4	4.6	36.4	54.4
Smoking Status					
Current smoker	40	35.3	5.6	24.2	46.3
Non-smoker	145	38.9	2.9	33.2	44.6
Health Insurance Status					
Insured	169	37.7	2.7	32.3	43.0
Uninsured	19	35.5	7.3	21.2	49.8

Numerator: Respondents who reported one or more days in the past 30 days when their poor physical or mental health kept them from doing their usual activities, such as self-care, work or recreation.

Denominator: Respondents with at least one day in the past 30 days when their physical or mental health was not good, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

**Percentage of Adults Ages 18 Years and Older Who Did Not Get Immunized
Against Influenza During the Past 12 Months, 2017**

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	11,141	61.6	0.4	60.7	62.4
North Central Kansas Public Health Initiative	568	63.4	1.8	59.9	67.0
Gender					
Men	289	66.8	2.5	61.8	71.7
Women	279	60.3	2.6	55.3	65.4
Age Group					
18 to 44 Years	176	71.8	3.2	65.5	78.2
45 to 64 Years	240	70.0	2.7	64.7	75.3
65 Years and Older	147	45.5	3.1	39.3	51.6
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	551	63.1	1.8	59.5	66.7
Race					
White	552	63.9	1.8	60.4	67.5
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	217	67.6	3.0	61.7	73.5
Some College or College Graduate	351	60.7	2.2	56.3	65.1
Annual Household Income					
Less than \$35,000 per Year	177	61.8	3.3	55.3	68.2
\$35,000 or Higher per Year	294	63.7	2.5	58.9	68.6
Disability Status					
Living with a Disability†	161	56.6	3.5	49.7	63.5
Living without a Disability	401	66.9	2.1	62.8	71.0

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	132	60.9	3.6	53.9	68.0
Overweight (25 ≤ BMI < 30)	214	66.0	3.1	59.9	72.0
Obese (BMI ≥ 30)	184	62.7	3.1	56.5	68.8
Leisure Time Physical Activity					
Participates in leisure time physical activity	370	62.0	2.2	57.7	66.2
Does not participate in leisure time physical activity	196	66.1	3.3	59.6	72.6
Smoking Status					
Current smoker	108	74.0	4.2	65.7	82.3
Non-smoker	454	60.9	2.0	57.0	64.9
Health Insurance Status					
Insured	501	60.6	1.9	56.9	64.4
Uninsured	64	86.9	4.3	78.5	95.3

Numerator: Respondents who reported they did not get a flu shot or flu vaccine sprayed in their nose during the past 12 months.

Denominator: All respondents, excluding unknowns and refusals.

† **Living with a Disability:** Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* **Insufficient sample and/or statistically unreliable estimate**

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

**Percentage of Adults 65 Years Old and Older Who Did Not Get Immunized
Against Influenza During the Past 12 Months, 2017**

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	2,774	44.0	0.7	42.5	45.4
North Central Kansas Public Health Initiative	147	45.5	3.1	39.3	51.6
Gender					
Men	65	45.1	4.7	35.9	54.4
Women	82	45.8	4.2	37.5	54.0
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	145	45.2	3.1	39.0	51.4
Race					
White	142	45.4	3.2	39.1	51.6
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	65	49.5	5.1	39.5	59.4
Some College or College Graduate	82	42.5	4.0	34.7	50.3
Annual Household Income					
Less than \$35,000 per Year	54	44.4	5.3	34.0	54.7
\$35,000 or Higher per Year	59	42.1	4.5	33.4	50.9
Disability Status					
Living with a Disability†	64	46.0	4.8	36.6	55.4
Living without a Disability	82	46.8	4.2	38.4	55.1
Weight Category					
Normal or Underweight (BMI < 25)	37	45.2	6.3	32.8	57.7
Overweight (25 ≤ BMI < 30)	60	49.8	5.1	39.7	59.9
Obese (BMI ≥ 30)	41	40.9	5.5	30.2	51.6

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Leisure Time Physical Activity					
Participates in leisure time physical activity	91	40.8	3.8	33.4	48.2
Does not participate in leisure time physical activity	55	53.9	5.4	43.3	64.5
Smoking Status					
Current smoker	*	*	*	*	*
Non-smoker	127	44.5	3.3	38.1	51.0
Health Insurance Status					
Insured	146	45.5	3.2	39.3	51.7
Uninsured	*	*	*	*	*

Numerator: Respondents 65 years old and older who reported they did not receive a flu shot or flu vaccine sprayed in their nose during the past 12 months.

Denominator: All respondents 65 years old and older, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

**Percentage of Adults 65 Years Old and Older Who Never Had Pneumonia
Vaccination, 2017**

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	1,472	23.5	0.6	22.2	24.8
North Central Kansas Public Initiative	95	29.2	2.9	23.6	34.9
Gender					
Men	41	29.7	4.4	21.0	38.4
Women	54	28.8	3.8	21.4	36.3
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	95	29.8	2.9	24.1	35.5
Race					
White	92	29.2	2.9	23.4	34.9
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	42	32.8	4.8	23.4	42.2
Some College or College Graduate	53	26.6	3.5	19.7	33.6
Annual Household Income					
Less than \$35,000 per Year	37	31.2	5.0	21.4	41.0
\$35,000 or Higher per Year	42	28.9	4.1	20.9	37.0
Disability Status					
Living with a Disability†	33	23.2	3.9	15.5	30.9
Living without a Disability	58	32.9	4.1	24.9	40.9
Weight Category					
Normal or Underweight (BMI <25)	22	23.8	5.5	12.9	34.6
Overweight (25 ≤ BMI < 30)	40	34.6	5.0	24.9	44.4
Obese (BMI ≥ 30)	28	27.3	4.8	17.8	36.7

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Leisure Time Physical Activity					
Participates in leisure time physical activity	67	30.7	3.6	23.6	37.8
Does not participate in leisure time physical activity	28	26.7	4.8	17.2	36.2
Smoking Status					
Current smoker	*	*	*	*	*
Non-smoker	81	28.0	3.0	22.1	33.8
Health Insurance Status					
Insured	94	28.9	2.9	23.3	34.5
Uninsured	*	*	*	*	*

Numerator: Respondents 65 years old and older who reported they never had a pneumonia vaccination.

Denominator: All respondents 65 years old and older, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

**Percentage of Adults Who Reported That They Do Not Always Wear a Seatbelt
When They Drive or Ride in a Car, 2017**

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	3,294	16.6	0.3	16.0	17.3
North Central Kansas Public Health Initiative	278	30.3	1.8	26.8	33.7
Gender					
Men	172	39.1	2.7	33.9	44.4
Women	106	22.0	2.2	17.6	26.4
Age Group					
18 to 44 Years	86	36.8	3.5	29.9	43.7
45 to 64 Years	105	27.4	2.6	22.3	32.6
65 Years and Older	84	26.6	2.8	21.0	32.7
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	272	30.6	1.8	27.1	34.1
Race					
White	270	30.5	1.8	27.0	34.0
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	103	30.6	3.0	24.7	36.4
Some College or College Graduate	175	30.1	2.2	25.9	34.4
Annual Household Income					
Less than \$35,000 per Year	90	29.7	3.1	23.6	35.8
\$35,000 or Higher per Year	148	31.2	2.4	26.4	36.0
Disability Status					
Living with a Disability†	84	30.8	3.3	24.3	37.3
Living without a Disability	194	30.6	2.1	26.5	34.7

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	61	30.1	3.6	23.0	37.1
Overweight (25 ≤ BMI < 30)	103	30.8	3.1	24.8	36.8
Obese (BMI ≥ 30)	97	30.7	3.0	24.8	36.5
Leisure Time Physical Activity					
Participates in leisure time physical activity	173	28.3	2.1	24.2	32.4
Does not participate in leisure time physical activity	104	33.9	3.2	27.7	40.1
Smoking Status					
Current smoker	49	30.7	4.5	22.0	39.5
Non-smoker	226	30.2	1.9	26.4	34.0
Health Insurance Status					
Insured	245	28.9	1.8	25.3	32.4
Uninsured	30	40.6	6.4	28.1	53.0

Respondents who reported they nearly always, sometimes, seldom or never use a seatbelt when they ride or drive in a car.

Denominator: All respondents, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults Who Currently Smoke Cigarettes, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	3,145	17.4	0.4	16.7	18.1
North Central Kansas Public Health Initiative	162	19.2	1.6	16.1	22.3
Gender					
Men	73	18.7	2.3	14.2	23.2
Women	89	19.7	2.2	15.4	24.0
Age Group					
18 to 44 Years	54	23.6	3.1	17.5	29.8
45 to 64 Years	74	22.0	2.6	16.9	27.2
65 Years and Older	31	9.3	1.9	5.6	12.9
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	158	19.2	1.6	16.0	22.3
Race					
White	154	19.0	1.6	15.9	22.2
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	77	27.4	3.0	21.5	33.3
Some College or College Graduate	85	13.6	1.6	10.6	16.7
Annual Household Income					
Less than \$35,000 per Year	78	29.1	3.2	22.9	35.3
\$35,000 or Higher per Year	60	13.3	1.9	9.5	17.1
Disability Status					
Living with a Disability†	73	28.5	3.3	22.0	35.0
Living without a Disability	87	15.1	1.7	11.8	18.5

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	53	25.8	3.4	19.2	32.4
Overweight (25 ≤ BMI < 30)	56	19.4	2.8	13.9	24.9
Obese (BMI ≥ 30)	44	15.7	2.6	10.7	20.7
Leisure Time Physical Activity					
Participates in leisure time physical activity	95	17.6	1.9	13.9	21.2
Does not participate in leisure time physical activity	59	21.4	3.0	15.5	27.3
Health Insurance Status					
Insured	133	16.5	1.6	13.4	19.5
Uninsured	27	38.7	6.1	26.8	50.7

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.

† **Living with a Disability:** Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* **Insufficient sample and/or statistically unreliable estimate**

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

**Percentage of Adults Who Stopped Smoking for One Day or Longer Because
They Were Trying to Quit Smoking, 2017**

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	1,708	57.1	1.1	54.9	59.2
North Central Kansas Public Health Initiative	76	42.3	4.6	33.3	51.4
Gender					
Men	32	37.4	6.6	24.6	50.3
Women	44	46.7	6.4	34.3	59.2
Age Group					
18 to 44 Years	24	38.1	7.4	23.6	52.6
45 to 64 Years	37	46.4	6.9	32.8	59.9
65 Years and Older	*	*	*	*	*
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	73	41.1	4.7	32.0	50.3
Race					
White	72	42.1	4.7	32.8	51.4
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	26	30.3	6.1	18.4	42.2
Some College or College Graduate	50	59.2	6.1	47.2	71.1
Annual Household Income					
Less than \$35,000 per Year	37	40.9	6.5	28.1	53.6
\$35,000 or Higher per Year	26	40.1	7.7	25.0	55.1
Disability Status					
Living with a Disability†	38	46.2	7.1	32.4	60.1
Living without a Disability	37	38.4	6.1	26.4	50.4

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	28	49.3	7.8	34.0	64.7
Overweight (25 ≤ BMI < 30)	19	26.0	6.7	12.9	39.0
Obese (BMI ≥ 30)	*	*	*	*	*
Leisure Time Physical Activity					
Participates in leisure time physical activity	46	41.3	5.8	29.9	52.7
Does not participate in leisure time physical activity	26	44.2	8.1	28.4	60.0
Health Insurance Status					
Insured	63	41.4	5.1	31.4	51.4
Uninsured	*	*	*	*	*

Numerator: Current smokers who stopped smoking for one day or longer because they were trying to quit smoking.

Denominator: Current smokers, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults Who Currently Use Any Smokeless Tobacco Products, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	1,011	5.5	0.2	5.1	5.9
North Central Kansas Public Health Initiative	57	6.7	1.0	4.8	8.5
Gender					
Men	55	13.2	1.8	9.5	16.8
Women	*	*	*	*	*
Age Group					
18 to 44 Years	20	8.4	1.9	4.6	12.2
45 to 64 Years	31	9.0	1.7	5.6	12.3
65 Years and Older	*	*	*	*	*
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	55	6.7	1.0	4.8	8.6
Race					
White	57	6.8	1.0	4.9	8.8
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	34	11.1	2.0	7.2	15.0
Some College or College Graduate	23	3.7	0.8	2.1	5.2
Annual Household Income					
Less than \$35,000 per Year	19	7.5	1.9	3.8	11.3
\$35,000 or Higher per Year	32	6.6	1.2	4.3	8.9
Disability Status					
Living with a Disability†	*	*	*	*	*
Living without a Disability	43	7.4	1.2	5.0	9.8

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	*	*	*	*	*
Overweight (25 ≤ BMI < 30)	23	6.0	1.3	3.5	8.5
Obese (BMI ≥ 30)	21	7.6	1.8	4.1	11.1
Leisure Time Physical Activity					
Participates in leisure time physical activity	36	6.3	1.1	4.0	8.5
Does not participate in leisure time physical activity	20	7.9	1.9	4.2	11.5
Smoking Status					
Current smoker	*	*	*	*	*
Non-smoker	46	6.3	1.0	4.4	8.2
Health Insurance Status					
Insured	45	5.6	0.9	3.9	7.3
Uninsured	12	15.1	4.5	6.2	24.0

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.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Men Who Currently Use Any Smokeless Tobacco Products, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	919	10.1	0.4	9.4	10.9
North Central Kansas Public Health Initiative	55	13.2	1.8	9.5	16.8
Age Group					
18 to 44 Years	20	16.2	3.6	9.2	23.2
45 to 64 Years	29	17.2	3.2	10.9	23.4
65 Years and Older	*	*	*	*	*
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	53	13.1	1.9	9.4	16.7
Race					
White	55	13.6	1.9	9.9	17.3
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	33	21.0	3.6	14.0	28.0
Some College or College Graduate	22	7.3	1.6	4.1	10.5
Annual Household Income					
Less than \$35,000 per Year	19	16.6	3.9	8.9	24.4
\$35,000 or Higher per Year	30	11.3	2.1	7.3	15.3
Disability Status					
Living with a Disability†	13	11.7	3.4	5.0	18.3
Living without a Disability	42	14.0	2.2	9.6	18.3
Weight Category					
Normal or Underweight (BMI < 25)	12	18.6	5.2	8.3	28.8
Overweight (25 ≤ BMI < 30)	23	10.8	2.3	6.3	15.3
Obese (BMI ≥ 30)	20	13.3	3.1	7.3	19.3

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Leisure Time Physical Activity					
Participates in leisure time physical activity	34	12.2	2.2	7.9	16.5
Does not participate in leisure time physical activity	20	16.0	3.6	8.9	23.1
Smoking Status					
Current smoker	*	*	*	*	*
Non-smoker	45	12.4	1.9	8.7	16.0
Health Insurance Status					
Insured	43	11.0	1.7	7.6	14.4
Uninsured	*	*	*	*	*

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

Denominator: All male respondents, excluding unknowns and refusals.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

**Percentage of Adults Who Ever Served on Active Duty in the United States
Armed Forces, 2017**

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	2,748	10.9	0.2	10.4	11.4
North Central Kansas Public Health Initiative	145	13.5	1.2	11.2	15.7
Gender					
Men	137	25.5	2.1	21.4	29.7
Women	*	*	*	*	*
Age Group					
18 to 44 Years	17	5.3	1.3	2.7	7.9
45 to 64 Years	44	11.9	1.8	8.3	15.6
65 Years and Older	83	26.6	2.8	21.2	32.0
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	142	13.4	1.2	11.1	15.6
Race					
White	141	13.6	1.2	11.3	15.9
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	58	13.7	1.9	10.0	17.4
Some College or College Graduate	87	13.3	1.5	10.4	16.2
Annual Household Income					
Less than \$35,000 per Year	52	16.6	2.4	12.0	21.2
\$35,000 or Higher per Year	74	12.5	1.5	9.6	15.4
Disability Status					
Living with a Disability†	58	18.7	2.5	13.8	23.6
Living without a Disability	82	11.4	1.3	8.8	14.0

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Weight Category					
Normal or Underweight (BMI < 25)	31	15.0	2.7	9.7	20.4
Overweight (25 ≤ BMI < 30)	54	13.8	1.9	10.0	17.6
Obese (BMI ≥ 30)	56	14.4	2.0	10.4	18.3
Leisure Time Physical Activity					
Participates in leisure time physical activity	85	13.0	1.5	10.1	15.8
Does not participate in leisure time physical activity	49	14.5	2.2	10.3	18.8
Smoking Status					
Current smoker	26	12.3	2.6	7.2	17.5
Non-smoker	115	14.1	1.3	11.4	16.7
Health Insurance Status					
Insured	134	13.9	1.2	11.5	16.4
Uninsured	*	*	*	*	*

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.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults Who Are Obese, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	6,551	32.3	0.4	31.5	33.2
North Central Kansas Public Health Initiative	342	37.9	1.9	34.3	41.6
Gender					
Men	191	40.5	2.6	35.5	45.5
Women	151	35.2	2.7	29.8	40.5
Age Group					
18 to 44 Years	86	36.1	3.4	29.4	42.9
45 to 64 Years	147	44.1	3.1	38.0	50.1
65 Years and Older	109	33.1	2.9	27.3	38.8
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	335	37.9	1.9	34.2	41.6
Race					
White	335	38.2	1.9	34.5	41.9
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	131	39.4	3.1	33.3	45.5
Some College or College Graduate	211	36.9	2.3	32.4	41.4
Annual Household Income					
Less than \$35,000 per Year	120	43.7	3.4	37.0	50.4
\$35,000 or Higher per Year	180	36.4	2.5	31.6	41.3
Disability Status					
Living with a Disability†	137	48.2	3.5	41.3	55.1
Living without a Disability	194	33.0	2.2	28.6	37.3

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Leisure Time Physical Activity					
Participates in leisure time physical activity	194	34.8	2.3	30.3	39.3
Does not participate in leisure time physical activity	132	44.6	3.5	37.8	51.4
Smoking Status					
Current smoker	44	30.6	4.5	21.7	39.4
Non-smoker	292	39.9	2.1	35.8	43.9
Health Insurance Status					
Insured	311	37.6	1.9	33.8	41.5
Uninsured	30	40.7	6.2	28.5	53.0

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.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Percentage of Adults Who Are Overweight or Obese, 2017

North Central Kansas Public Health Initiative

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Kansas	13,706	67.2	0.4	66.3	68.0
North Central Kansas Public Health Initiative	702	75.8	1.6	72.7	78.9
Gender					
Men	392	81.0	2.1	77.0	85.0
Women	310	70.2	2.4	65.5	74.9
Age Group					
18 to 44 Years	181	73.3	3.1	67.3	79.3
45 to 64 Years	279	80.4	2.2	76.2	84.7
65 Years and Older	238	72.5	2.9	66.8	78.1
Ethnicity					
Hispanic	*	*	*	*	*
Non-Hispanic	688	75.8	1.6	72.7	78.9
Race					
White	683	75.5	1.6	72.4	78.7
African American	*	*	*	*	*
Other	*	*	*	*	*
Multi-Race	*	*	*	*	*
Education					
High School Graduate or Less	260	75.0	2.7	69.7	80.2
Some College or College Graduate	442	76.4	1.9	72.7	80.1
Annual Household Income					
Less than \$35,000 per Year	213	72.2	3.0	66.4	78.0
\$35,000 or Higher per Year	393	81.0	1.9	77.3	84.6
Disability Status					
Living with a Disability†	220	78.8	2.7	73.5	84.1
Living without a Disability	461	73.9	2.0	70.0	77.7

	Unweighted Frequency	Weighted Percentage	Standard Error	95% Confidence Limits	
				Lower	Upper
Leisure Time Physical Activity					
Participates in leisure time physical activity	430	73.0	2.0	69.0	77.0
Does not participate in leisure time physical activity	232	79.9	2.6	74.8	85.0
Smoking Status					
Current smoker	100	67.7	4.3	59.3	76.2
Non-smoker	587	77.5	1.7	74.2	80.8
Health Insurance Status					
Insured	643	76.8	1.6	73.7	80.0
Uninsured	56	67.7	5.8	56.3	79.1

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.

† Living with a Disability: Respondents who have at least one of the six disability types (hearing, vision, cognition, mobility, self-care, and/or independent living).

* Insufficient sample and/or statistically unreliable estimate

Italicized prevalence estimates have a margin of error >5 and should be interpreted with caution.

Please refer to Technical Notes for more information.

Technical Notes

The 2017 BRFSS data for your county/region on health risk indicators, analyzed by various subpopulation groups (e.g. gender, age group, ethnicity, etc.), are included in this report. The indicators are summarized in tables that show:

- Unweighted Frequency: the number of respondents who reported the risk behavior
- Weighted Percentage: the prevalence estimate for the risk behavior within a particular subpopulation group category
- Standard Error: used to compute the 95% confidence limits
- Lower and upper 95% confidence limits

Prevalence estimates vary in precision depending on sample size. One way of describing the precision of an estimate is the margin of error, which is the half-width of the confidence interval. When the sample size is large for a particular subpopulation group, the corresponding margin of error for an estimate is small. When the sample size is small for a particular subpopulation group, the corresponding margin of error for an estimate is large. Large margins of error (i.e. >5) indicate that an estimate may be less precise. Prevalence estimates that have a margin of error >5 are *italicized* in this report and should be interpreted with caution.

To determine whether two weighted percentages are significantly different from one another, the reader must compare the confidence intervals. Confidence intervals which do not overlap indicate a statistically significant difference between the two prevalence estimates while overlapping confidence intervals indicate that two estimates are not statistically different from one another. It is incorrect to say two estimates are different if their confidence limits overlap.

Estimates have been censored with an asterisk ("*") when the sample size was inadequate and/or when the estimates were statistically unreliable. Specifically, estimates were censored when any of the following conditions were met:

- the numerator of the indicator is less than 5
- the denominator of the indicator is less than 50
- the relative standard error (RSE) is greater than 30 percent

RSE is obtained by dividing the standard error of the estimate by the estimate itself, then multiplying that result by 100 to be expressed as a percent.

2011 BRFSS data represent a new baseline for public health surveillance. Due to changes in BRFSS survey methodology, the BRFSS estimates for 2011 and subsequent years cannot be compared to estimates from the years prior to 2011.

For more information on changes to the Kansas BRFSS survey methodology beginning in 2011, please visit: <http://www.kdheks.gov/brfss/newmethod.html>

For more detailed technical notes on the Kansas BRFSS, please visit: <http://www.kdheks.gov/brfss/technotes.html>

In 2017, cholesterol questions and fruits and vegetables modules were modified for all states. Due to the changes in methodology, we do not advise comparing 2017 findings to the previous modules.

For more information on new fruits and vegetables module: please visit <https://www.cdc.gov/nutrition/data-statistics/using-the-new-BRFSS-modules.html>

In 2017 and 2016, a six-item set of questions identify disability in hearing, vision, cognition, mobility, self-care, and independent living for all states. Respondents who responded "yes" to at least one of the six functional disability questions were identified as adults living with a disability.

For more information on disability questions: please visit https://www.cdc.gov/brfss/data_documentation/pdf/BRFSS_Data_Users_Guide_on_Disability_Questions_2018-508.pdf

Please visit the BRFSS questionnaires below to see the questions on specific topics:

2017 Kansas BRFSS: <http://www.kdheks.gov/brfss/PDF/ks2017svy.pdf>

2016 Kansas BRFSS: <http://www.kdheks.gov/brfss/PDF/ks2016svy.pdf>

2015 Kansas BRFSS: <http://www.kdheks.gov/brfss/PDF/ks2015svy.pdf>