

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

## North Central Kansas Public Health Initiative



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

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

State of Kansas  
Mark Parkinson, Governor

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## **Project Funding:**

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

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

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

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

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

## Foreword

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

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

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

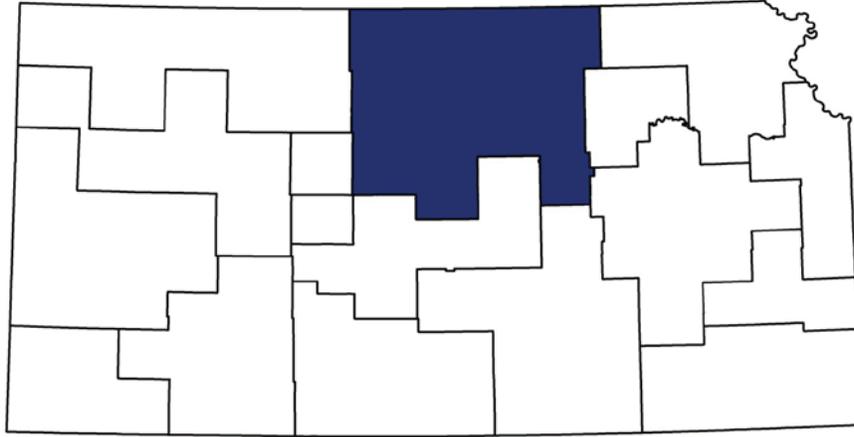
This significant enhancement is made possible by a grant from the Kansas Health Foundation (KHF), a private philanthropy dedicated to improving the health of all Kansans. This report is intended for use by local and regional public health officials, community leaders and policy makers to measure and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

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

Sincerely,

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

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



The 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, 2009 can also be accessed at <http://www.kdheks.gov/brfss/>

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

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## Percentage of Adults Who Are Binge Drinkers, 2009

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 1847                 | 14.5                | 13.7                 | 15.3  |
| North Central Kansas Public Health Initiative County | 68                   | 14.5                | 10.6                 | 18.3  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 41                   | 19.1                | 12.6                 | 25.5  |
| Women                                                | 27                   | 10.2                | 5.8                  | 14.6  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 30                   | 23.4                | 15.2                 | 31.6  |
| 45 to 64 Years                                       | 35                   | 15.6                | 9.4                  | 21.7  |
| 65 Years and Older                                   | *                    | *                   | *                    | *     |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 67                   | 15.0                | 11.0                 | 19.0  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 65                   | 14.8                | 10.8                 | 18.8  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 24                   | 11.4                | 6.0                  | 16.9  |
| Some College or College Graduate                     | 44                   | 16.9                | 11.4                 | 22.3  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 17                   | 10.7                | 4.9                  | 16.4  |
| \$35,000 or Higher per Year                          | 45                   | 18.5                | 12.6                 | 24.4  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 14                   | 13.0                | 5.2                  | 20.7  |
| Living without a Disability                          | 54                   | 15.0                | 10.5                 | 19.5  |

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

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

\* Insufficient Sample

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

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 645                  | 4.1                 | 3.6                  | 4.6   |
| North Central Kansas Public Health Initiative County | 28                   | 4.8                 | 2.6                  | 7.1   |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 17                   | 7.0                 | 2.8                  | 11.2  |
| Women                                                | 11                   | 2.8                 | 0.9                  | 4.7   |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 10                   | 7.8                 | 2.6                  | 13.1  |
| 45 to 64 Years                                       | 15                   | 4.6                 | 2.1                  | 7.0   |
| 65 Years and Older                                   | *                    | *                   | *                    | *     |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 28                   | 5.1                 | 2.7                  | 7.5   |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 27                   | 5.0                 | 2.6                  | 7.3   |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 10                   | 4.0                 | 0.3                  | 7.6   |
| Some College or College Graduate                     | 18                   | 5.5                 | 2.6                  | 8.5   |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 8                    | 3.5                 | 0.8                  | 6.2   |
| \$35,000 or Higher per Year                          | 17                   | 6.6                 | 2.7                  | 10.5  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 9                    | 8.3                 | 1.7                  | 14.8  |
| Living without a Disability                          | 19                   | 3.8                 | 1.6                  | 5.9   |

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

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

\* Insufficient Sample

## Percentage of Adults with Doctor Diagnosed Arthritis, 2009

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 6314                 | 24.1                | 23.4                 | 24.8  |
| North Central Kansas Public Health Initiative County | 267                  | 30.5                | 26.4                 | 34.7  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 84                   | 27.5                | 20.9                 | 34.2  |
| Women                                                | 183                  | 33.3                | 28.4                 | 38.3  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 23                   | 17.8                | 10.1                 | 25.5  |
| 45 to 64 Years                                       | 91                   | 28.2                | 22.5                 | 33.9  |
| 65 Years and Older                                   | 153                  | 51.0                | 44.8                 | 57.3  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 259                  | 31.0                | 26.8                 | 35.2  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 257                  | 30.7                | 26.5                 | 35.0  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 136                  | 35.0                | 28.4                 | 41.6  |
| Some College or College Graduate                     | 130                  | 27.3                | 21.9                 | 32.6  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 137                  | 41.0                | 34.0                 | 48.1  |
| \$35,000 or Higher per Year                          | 92                   | 25.1                | 19.2                 | 31.0  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 136                  | 62.0                | 52.6                 | 71.3  |
| Living without a Disability                          | 129                  | 20.1                | 16.1                 | 24.1  |

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

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

\* Insufficient Sample

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

**North Central Kansas Public Health Initiative**

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 2867                 | 44.9                | 43.4                 | 46.5  |
| North Central Kansas Public Health Initiative County | 126                  | 49.9                | 42.1                 | 57.7  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 40                   | 56.1                | 42.6                 | 69.6  |
| Women                                                | 86                   | 45.2                | 36.8                 | 53.7  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | *                    | *                   | *                    | *     |
| 45 to 64 Years                                       | 43                   | 50.1                | 38.3                 | 61.9  |
| 65 Years and Older                                   | 71                   | 47.0                | 38.4                 | 55.5  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 121                  | 48.9                | 41.1                 | 56.8  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 121                  | 49.5                | 41.6                 | 57.4  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 56                   | 41.6                | 31.0                 | 52.1  |
| Some College or College Graduate                     | 70                   | 58.3                | 47.5                 | 69.1  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 74                   | 58.9                | 49.2                 | 68.6  |
| \$35,000 or Higher per Year                          | 36                   | 41.5                | 27.7                 | 55.3  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 95                   | 74.5                | 65.7                 | 83.3  |
| Living without a Disability                          | 30                   | 25.9                | 16.2                 | 35.7  |

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

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

\* Insufficient Sample

## Percentage of Adults with Diagnosed Cancer, 2009

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 2652                 | 9.9                 | 9.5                  | 10.4  |
| North Central Kansas Public Health Initiative County | 110                  | 12.5                | 9.9                  | 15.2  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 39                   | 11.0                | 7.1                  | 14.9  |
| Women                                                | 71                   | 14.0                | 10.4                 | 17.5  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 7                    | 5.0                 | 1.1                  | 8.9   |
| 45 to 64 Years                                       | 30                   | 9.6                 | 5.9                  | 13.3  |
| 65 Years and Older                                   | 73                   | 26.1                | 20.6                 | 31.6  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 108                  | 13.0                | 10.2                 | 15.7  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 109                  | 13.0                | 10.3                 | 15.8  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 57                   | 15.8                | 11.1                 | 20.5  |
| Some College or College Graduate                     | 52                   | 10.0                | 7.0                  | 13.0  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 55                   | 16.3                | 11.7                 | 21.0  |
| \$35,000 or Higher per Year                          | 40                   | 11.0                | 7.1                  | 14.8  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 48                   | 21.0                | 14.2                 | 27.8  |
| Living without a Disability                          | 61                   | 9.7                 | 7.0                  | 12.3  |

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

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

\* Insufficient Sample

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

**North Central Kansas Public Health Initiative**

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 5278                 | 26.4                | 25.5                 | 27.2  |
| North Central Kansas Public Health Initiative County | 211                  | 27.5                | 23.4                 | 31.7  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 64                   | 20.8                | 14.8                 | 26.8  |
| Women                                                | 147                  | 33.7                | 28.2                 | 39.3  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 36                   | 24.5                | 16.1                 | 32.8  |
| 45 to 64 Years                                       | 113                  | 36.9                | 30.7                 | 43.1  |
| 65 Years and Older                                   | 62                   | 21.7                | 16.6                 | 26.8  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 206                  | 27.7                | 23.5                 | 31.9  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 203                  | 28.0                | 23.7                 | 32.2  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 80                   | 23.9                | 17.6                 | 30.2  |
| Some College or College Graduate                     | 131                  | 30.5                | 25.0                 | 36.0  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 78                   | 26.1                | 19.7                 | 32.5  |
| \$35,000 or Higher per Year                          | 104                  | 25.0                | 19.8                 | 30.2  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 57                   | 31.2                | 21.9                 | 40.4  |
| Living without a Disability                          | 151                  | 25.9                | 21.4                 | 30.5  |

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

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

\* Insufficient Sample

## Percentage of Adults with Current Asthma, 2009

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 1447                 | 8.5                 | 7.9                  | 9.1   |
| North Central Kansas Public Health Initiative County | 60                   | 9.7                 | 6.5                  | 12.9  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 17                   | 8.7                 | 3.4                  | 14.0  |
| Women                                                | 43                   | 10.6                | 6.9                  | 14.3  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 17                   | 14.0                | 6.8                  | 21.3  |
| 45 to 64 Years                                       | 26                   | 7.7                 | 4.6                  | 10.8  |
| 65 Years and Older                                   | 17                   | 5.7                 | 2.9                  | 8.6   |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 56                   | 9.3                 | 6.1                  | 12.6  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 56                   | 9.4                 | 6.1                  | 12.6  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 26                   | 9.7                 | 4.7                  | 14.6  |
| Some College or College Graduate                     | 34                   | 9.8                 | 5.5                  | 14.0  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 23                   | 8.5                 | 3.3                  | 13.7  |
| \$35,000 or Higher per Year                          | 30                   | 10.4                | 5.9                  | 15.0  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 30                   | 16.3                | 8.8                  | 23.9  |
| Living without a Disability                          | 30                   | 7.6                 | 4.1                  | 11.0  |

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

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

\* Insufficient Sample

## Percentage of Adults with Diagnosed Diabetes, 2009

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 2267                 | 8.5                 | 8.1                  | 9.0   |
| North Central Kansas Public Health Initiative County | 97                   | 10.6                | 7.9                  | 13.3  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 37                   | 8.7                 | 5.6                  | 11.7  |
| Women                                                | 60                   | 12.5                | 8.2                  | 16.8  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | *                    | *                   | *                    | *     |
| 45 to 64 Years                                       | 34                   | 10.7                | 7.0                  | 14.3  |
| 65 Years and Older                                   | 60                   | 20.1                | 15.0                 | 25.2  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 93                   | 10.9                | 8.0                  | 13.7  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 92                   | 10.7                | 7.9                  | 13.5  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 54                   | 14.4                | 9.2                  | 19.6  |
| Some College or College Graduate                     | 42                   | 7.7                 | 5.2                  | 10.2  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 50                   | 12.4                | 8.7                  | 16.1  |
| \$35,000 or Higher per Year                          | 32                   | 8.4                 | 5.2                  | 11.7  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 47                   | 19.8                | 12.2                 | 27.4  |
| Living without a Disability                          | 50                   | 7.7                 | 5.2                  | 10.2  |

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

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

\* Insufficient Sample

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

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 4971                 | 20.5                | 19.7                 | 21.2  |
| North Central Kansas Public Health Initiative County | 214                  | 24.9                | 20.9                 | 28.9  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 77                   | 25.3                | 18.8                 | 31.7  |
| Women                                                | 137                  | 24.5                | 19.6                 | 29.4  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 21                   | 17.8                | 9.8                  | 25.9  |
| 45 to 64 Years                                       | 73                   | 21.8                | 16.6                 | 27.1  |
| 65 Years and Older                                   | 120                  | 37.8                | 31.8                 | 43.7  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 206                  | 25.0                | 20.9                 | 29.1  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 202                  | 24.6                | 20.5                 | 28.7  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 118                  | 30.8                | 24.2                 | 37.4  |
| Some College or College Graduate                     | 96                   | 20.6                | 15.6                 | 25.6  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 125                  | 36.4                | 29.6                 | 43.2  |
| \$35,000 or Higher per Year                          | 58                   | 16.3                | 11.2                 | 21.4  |

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

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

\* Insufficient Sample

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

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 4526                 | 18.9                | 18.1                 | 19.6  |
| North Central Kansas Public Health Initiative County | 190                  | 22.6                | 18.6                 | 26.5  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 69                   | 23.0                | 16.7                 | 29.4  |
| Women                                                | 121                  | 22.1                | 17.3                 | 26.9  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 21                   | 17.8                | 9.8                  | 25.8  |
| 45 to 64 Years                                       | 67                   | 19.9                | 14.8                 | 24.9  |
| 65 Years and Older                                   | 102                  | 32.1                | 26.4                 | 37.8  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 184                  | 22.7                | 18.7                 | 26.7  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 181                  | 22.4                | 18.4                 | 26.4  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 101                  | 27.4                | 20.9                 | 33.9  |
| Some College or College Graduate                     | 89                   | 19.1                | 14.2                 | 24.0  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 113                  | 33.3                | 26.6                 | 40.0  |
| \$35,000 or Higher per Year                          | 51                   | 14.7                | 9.7                  | 19.7  |

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

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

\* Insufficient Sample

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

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 14770                | 81.4                | 80.6                 | 82.1  |
| North Central Kansas Public Health Initiative County | 571                  | 80.8                | 77.5                 | 84.1  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 237                  | 88.2                | 84.0                 | 92.4  |
| Women                                                | 334                  | 73.9                | 69.1                 | 78.7  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 107                  | 84.6                | 78.4                 | 90.8  |
| 45 to 64 Years                                       | 239                  | 80.9                | 76.2                 | 85.6  |
| 65 Years and Older                                   | 225                  | 75.4                | 70.1                 | 80.7  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 552                  | 80.1                | 76.7                 | 83.6  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 546                  | 80.5                | 77.0                 | 83.9  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 260                  | 81.9                | 76.8                 | 86.9  |
| Some College or College Graduate                     | 309                  | 79.9                | 75.5                 | 84.3  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 235                  | 80.1                | 75.1                 | 85.1  |
| \$35,000 or Higher per Year                          | 254                  | 79.9                | 75.0                 | 84.8  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 174                  | 85.8                | 80.5                 | 91.0  |
| Living without a Disability                          | 395                  | 79.2                | 75.2                 | 83.3  |

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

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

\* Insufficient Sample

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

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 6848                 | 38.4                | 37.4                 | 39.4  |
| North Central Kansas Public Health Initiative County | 240                  | 35.1                | 30.5                 | 39.7  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 112                  | 39.7                | 32.2                 | 47.3  |
| Women                                                | 128                  | 30.9                | 25.5                 | 36.3  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 53                   | 39.2                | 29.7                 | 48.7  |
| 45 to 64 Years                                       | 118                  | 40.4                | 34.0                 | 46.9  |
| 65 Years and Older                                   | 69                   | 23.9                | 18.5                 | 29.3  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 236                  | 36.1                | 31.4                 | 40.7  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 231                  | 35.3                | 30.6                 | 39.9  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 96                   | 32.2                | 25.2                 | 39.1  |
| Some College or College Graduate                     | 144                  | 37.7                | 31.6                 | 43.8  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 90                   | 31.5                | 24.7                 | 38.4  |
| \$35,000 or Higher per Year                          | 133                  | 41.5                | 34.7                 | 48.3  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 59                   | 36.4                | 27.1                 | 45.7  |
| Living without a Disability                          | 180                  | 34.7                | 29.5                 | 40.0  |

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

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

\* Insufficient Sample

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

## North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 3019                 | 12.3                | 11.7                 | 12.9  |
| North Central Kansas Public Health Initiative County | 137                  | 14.1                | 11.3                 | 16.9  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 55                   | 13.7                | 9.4                  | 18.1  |
| Women                                                | 82                   | 14.4                | 10.9                 | 17.9  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 8                    | 6.2                 | 1.6                  | 10.8  |
| 45 to 64 Years                                       | 47                   | 13.5                | 9.5                  | 17.5  |
| 65 Years and Older                                   | 82                   | 25.5                | 20.2                 | 30.7  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 132                  | 14.0                | 11.2                 | 16.8  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 130                  | 13.8                | 11.0                 | 16.6  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 82                   | 19.9                | 14.9                 | 24.9  |
| Some College or College Graduate                     | 54                   | 9.6                 | 6.5                  | 12.7  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 83                   | 21.2                | 16.4                 | 26.1  |
| \$35,000 or Higher per Year                          | 29                   | 7.9                 | 4.3                  | 11.4  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 93                   | 35.7                | 27.6                 | 43.9  |
| Living without a Disability                          | 43                   | 6.9                 | 4.5                  | 9.3   |

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

Denominator: All respondents, excluding unknowns and refusals.

\* Insufficient Sample

## Percentage of Adults Who Lack Health Care Coverage, 2009

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 1641                 | 11.8                | 11.1                 | 12.6  |
| North Central Kansas Public Health Initiative County | 60                   | 9.2                 | 6.5                  | 11.9  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 24                   | 9.0                 | 4.5                  | 13.4  |
| Women                                                | 36                   | 9.4                 | 6.1                  | 12.8  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 22                   | 13.9                | 7.8                  | 20.0  |
| 45 to 64 Years                                       | 35                   | 10.6                | 6.8                  | 14.3  |
| 65 Years and Older                                   | *                    | *                   | *                    | *     |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 58                   | 9.0                 | 6.3                  | 11.7  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 55                   | 8.5                 | 5.9                  | 11.2  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 22                   | 9.6                 | 4.8                  | 14.4  |
| Some College or College Graduate                     | 38                   | 9.0                 | 5.7                  | 12.2  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 34                   | 14.1                | 8.9                  | 19.2  |
| \$35,000 or Higher per Year                          | 19                   | 5.7                 | 2.6                  | 8.8   |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 10                   | 7.1                 | 1.5                  | 12.6  |
| Living without a Disability                          | 50                   | 10.0                | 6.8                  | 13.1  |

Numerator: Respondents reporting they had no health care coverage.

Denominator: All respondents, excluding unknowns and refusals.

\* Insufficient Sample

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

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 1912                 | 14.6                | 13.8                 | 15.5  |
| North Central Kansas Public Health Initiative County | 76                   | 13.7                | 10.0                 | 17.4  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 41                   | 18.0                | 11.6                 | 24.3  |
| Women                                                | 35                   | 9.7                 | 5.7                  | 13.8  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 22                   | 20.0                | 11.9                 | 28.2  |
| 45 to 64 Years                                       | 35                   | 13.0                | 8.4                  | 17.5  |
| 65 Years and Older                                   | 19                   | 5.7                 | 3.0                  | 8.5   |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 72                   | 12.6                | 9.0                  | 16.2  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 70                   | 12.8                | 9.1                  | 16.5  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 29                   | 10.8                | 5.9                  | 15.7  |
| Some College or College Graduate                     | 46                   | 15.4                | 10.1                 | 20.7  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 27                   | 14.6                | 7.7                  | 21.5  |
| \$35,000 or Higher per Year                          | 35                   | 11.4                | 7.1                  | 15.7  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 10                   | 6.2                 | 0.5                  | 12.0  |
| Living without a Disability                          | 65                   | 16.0                | 11.4                 | 20.5  |

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

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

\* Insufficient Sample

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

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 1823                 | 11.2                | 10.5                 | 11.8  |
| North Central Kansas Public Health Initiative County | 50                   | 8.4                 | 5.7                  | 11.1  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 19                   | 7.5                 | 3.3                  | 11.7  |
| Women                                                | 31                   | 9.3                 | 5.8                  | 12.8  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 22                   | 12.7                | 6.8                  | 18.6  |
| 45 to 64 Years                                       | 21                   | 7.9                 | 4.3                  | 11.5  |
| 65 Years and Older                                   | 7                    | 3.1                 | 0.7                  | 5.5   |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 47                   | 8.1                 | 5.4                  | 10.8  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 45                   | 8.0                 | 5.3                  | 10.6  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 22                   | 7.5                 | 3.9                  | 11.1  |
| Some College or College Graduate                     | 28                   | 9.2                 | 5.3                  | 13.2  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 28                   | 10.2                | 6.0                  | 14.3  |
| \$35,000 or Higher per Year                          | 13                   | 5.3                 | 2.1                  | 8.4   |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 21                   | 13.5                | 6.8                  | 20.1  |
| Living without a Disability                          | 28                   | 6.5                 | 3.7                  | 9.4   |

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

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

\* Insufficient Sample

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

**North Central Kansas Public Health Initiative**

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 1630                 | 8.6                 | 8.1                  | 9.2   |
| North Central Kansas Public Health Initiative County | 53                   | 7.4                 | 4.9                  | 10.0  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 15                   | 6.1                 | 2.0                  | 10.2  |
| Women                                                | 38                   | 8.7                 | 5.5                  | 11.9  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 11                   | 8.3                 | 2.8                  | 13.7  |
| 45 to 64 Years                                       | 29                   | 9.7                 | 6.0                  | 13.4  |
| 65 Years and Older                                   | 13                   | 3.8                 | 1.5                  | 6.0   |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 52                   | 7.1                 | 4.7                  | 9.6   |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 50                   | 7.6                 | 4.9                  | 10.2  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 26                   | 7.2                 | 3.5                  | 11.0  |
| Some College or College Graduate                     | 27                   | 7.6                 | 4.0                  | 11.2  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 26                   | 10.9                | 5.4                  | 16.4  |
| \$35,000 or Higher per Year                          | 19                   | 5.0                 | 2.5                  | 7.4   |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 28                   | 13.6                | 7.0                  | 20.1  |
| Living without a Disability                          | 25                   | 5.5                 | 2.8                  | 8.1   |

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

Denominator: All respondents, excluding unknowns and refusals.

\* Insufficient Sample

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

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 1037                 | 3.7                 | 3.4                  | 4.0   |
| North Central Kansas Public Health Initiative County | 46                   | 4.8                 | 2.9                  | 6.7   |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 23                   | 6.6                 | 3.0                  | 10.1  |
| Women                                                | 23                   | 3.2                 | 1.8                  | 4.6   |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | *                    | *                   | *                    | *     |
| 45 to 64 Years                                       | 11                   | 3.2                 | 1.2                  | 5.3   |
| 65 Years and Older                                   | 33                   | 10.4                | 6.5                  | 14.3  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 44                   | 4.9                 | 2.9                  | 6.8   |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 43                   | 4.7                 | 2.8                  | 6.7   |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 29                   | 6.1                 | 3.5                  | 8.7   |
| Some College or College Graduate                     | 17                   | 3.9                 | 1.2                  | 6.6   |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 22                   | 7.1                 | 2.6                  | 11.5  |
| \$35,000 or Higher per Year                          | 16                   | 3.4                 | 1.5                  | 5.4   |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 27                   | 10.7                | 4.7                  | 16.6  |
| Living without a Disability                          | 19                   | 2.9                 | 1.4                  | 4.4   |

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

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

\* Insufficient Sample

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

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 7158                 | 38.6                | 37.6                 | 39.5  |
| North Central Kansas Public Health Initiative County | 246                  | 36.4                | 31.7                 | 41.2  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 98                   | 39.5                | 31.4                 | 47.6  |
| Women                                                | 148                  | 33.7                | 28.4                 | 39.0  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 13                   | 21.2                | 9.7                  | 32.7  |
| 45 to 64 Years                                       | 115                  | 41.7                | 34.8                 | 48.7  |
| 65 Years and Older                                   | 118                  | 43.4                | 36.9                 | 49.8  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 241                  | 36.9                | 32.0                 | 41.7  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 241                  | 37.2                | 32.3                 | 42.1  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 116                  | 42.9                | 35.4                 | 50.4  |
| Some College or College Graduate                     | 130                  | 31.9                | 25.8                 | 38.0  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 106                  | 37.5                | 30.0                 | 45.0  |
| \$35,000 or Higher per Year                          | 111                  | 34.8                | 28.0                 | 41.6  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 83                   | 49.2                | 39.6                 | 58.7  |
| Living without a Disability                          | 162                  | 32.1                | 26.8                 | 37.4  |

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

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

\* Insufficient Sample

## Percentage of Adults with Diagnosed Hypertension, 2009

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 7332                 | 28.7                | 27.9                 | 29.5  |
| North Central Kansas Public Health Initiative County | 324                  | 36.4                | 32.0                 | 40.7  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 114                  | 34.8                | 27.8                 | 41.8  |
| Women                                                | 210                  | 37.9                | 32.7                 | 43.1  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 22                   | 17.8                | 10.3                 | 25.3  |
| 45 to 64 Years                                       | 123                  | 37.9                | 31.6                 | 44.1  |
| 65 Years and Older                                   | 179                  | 60.5                | 54.6                 | 66.5  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 314                  | 36.8                | 32.5                 | 41.2  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 313                  | 37.1                | 32.6                 | 41.5  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 159                  | 41.2                | 34.3                 | 48.2  |
| Some College or College Graduate                     | 163                  | 32.8                | 27.3                 | 38.2  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 167                  | 49.4                | 42.1                 | 56.7  |
| \$35,000 or Higher per Year                          | 116                  | 28.6                | 22.9                 | 34.3  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 122                  | 51.7                | 42.3                 | 61.0  |
| Living without a Disability                          | 201                  | 31.5                | 26.7                 | 36.4  |

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

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

\* Insufficient Sample

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

**North Central Kansas Public Health Initiative**

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 9542                 | 58.9                | 58.0                 | 59.9  |
| North Central Kansas Public Health Initiative County | 387                  | 59.1                | 54.6                 | 63.6  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 167                  | 65.3                | 58.3                 | 72.3  |
| Women                                                | 220                  | 53.3                | 47.7                 | 59.0  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 96                   | 73.7                | 65.1                 | 82.3  |
| 45 to 64 Years                                       | 190                  | 64.6                | 58.5                 | 70.6  |
| 65 Years and Older                                   | 101                  | 33.1                | 27.3                 | 38.9  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 377                  | 58.3                | 53.7                 | 63.0  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 368                  | 58.1                | 53.5                 | 62.8  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 168                  | 59.5                | 52.8                 | 66.3  |
| Some College or College Graduate                     | 218                  | 58.6                | 52.5                 | 64.7  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 147                  | 49.0                | 41.7                 | 56.4  |
| \$35,000 or Higher per Year                          | 195                  | 65.8                | 59.8                 | 71.8  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 88                   | 47.6                | 38.2                 | 57.0  |
| Living without a Disability                          | 298                  | 63.0                | 57.9                 | 68.1  |

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

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

\* Insufficient Sample

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

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 4969                 | 23.2                | 22.3                 | 24.0  |
| North Central Kansas Public Health Initiative County | 220                  | 27.3                | 23.2                 | 31.4  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 73                   | 25.7                | 18.9                 | 32.5  |
| Women                                                | 147                  | 28.8                | 24.0                 | 33.7  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 27                   | 21.5                | 13.4                 | 29.7  |
| 45 to 64 Years                                       | 78                   | 26.1                | 20.4                 | 31.9  |
| 65 Years and Older                                   | 115                  | 36.6                | 30.7                 | 42.5  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 210                  | 26.9                | 22.8                 | 31.0  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 205                  | 26.2                | 22.1                 | 30.4  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 131                  | 36.8                | 30.0                 | 43.7  |
| Some College or College Graduate                     | 89                   | 20.4                | 15.4                 | 25.3  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 114                  | 36.8                | 29.7                 | 44.0  |
| \$35,000 or Higher per Year                          | 66                   | 19.2                | 13.9                 | 24.5  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 100                  | 39.1                | 30.8                 | 47.4  |
| Living without a Disability                          | 119                  | 23.5                | 18.7                 | 28.3  |

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

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

\* Insufficient Sample

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

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 10019                | 51.5                | 50.5                 | 52.6  |
| North Central Kansas Public Health Initiative County | 410                  | 55.6                | 50.7                 | 60.4  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 151                  | 54.4                | 46.5                 | 62.4  |
| Women                                                | 259                  | 56.6                | 50.8                 | 62.5  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 62                   | 47.9                | 38.0                 | 57.7  |
| 45 to 64 Years                                       | 159                  | 57.1                | 50.7                 | 63.5  |
| 65 Years and Older                                   | 189                  | 65.0                | 58.8                 | 71.3  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 396                  | 56.0                | 51.1                 | 60.9  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 393                  | 55.4                | 50.4                 | 60.4  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 195                  | 57.8                | 50.2                 | 65.4  |
| Some College or College Graduate                     | 215                  | 54.4                | 47.9                 | 60.8  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 184                  | 59.4                | 51.7                 | 67.1  |
| \$35,000 or Higher per Year                          | 168                  | 51.4                | 44.5                 | 58.3  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 141                  | 66.5                | 56.9                 | 76.0  |
| Living without a Disability                          | 268                  | 52.1                | 46.5                 | 57.8  |

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

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

\* Insufficient Sample

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

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 10019                | 51.5                | 50.5                 | 52.6  |
| North Central Kansas Public Health Initiative County | 410                  | 55.6                | 50.7                 | 60.4  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 151                  | 54.4                | 46.5                 | 62.4  |
| Women                                                | 259                  | 56.6                | 50.8                 | 62.5  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 62                   | 47.9                | 38.0                 | 57.7  |
| 45 to 64 Years                                       | 159                  | 57.1                | 50.7                 | 63.5  |
| 65 Years and Older                                   | 189                  | 65.0                | 58.8                 | 71.3  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 396                  | 56.0                | 51.1                 | 60.9  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 393                  | 55.4                | 50.4                 | 60.4  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 195                  | 57.8                | 50.2                 | 65.4  |
| Some College or College Graduate                     | 215                  | 54.4                | 47.9                 | 60.8  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 184                  | 59.4                | 51.7                 | 67.1  |
| \$35,000 or Higher per Year                          | 168                  | 51.4                | 44.5                 | 58.3  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 141                  | 66.5                | 56.9                 | 76.0  |
| Living without a Disability                          | 268                  | 52.1                | 46.5                 | 57.8  |

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

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

\* Insufficient Sample

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

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 14428                | 72.5                | 71.5                 | 73.5  |
| North Central Kansas Public Health Initiative County | 606                  | 78.3                | 73.9                 | 82.8  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 216                  | 74.7                | 67.4                 | 82.0  |
| Women                                                | 390                  | 81.7                | 76.6                 | 86.8  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 88                   | 65.2                | 55.8                 | 74.7  |
| 45 to 64 Years                                       | 246                  | 83.6                | 79.0                 | 88.3  |
| 65 Years and Older                                   | 272                  | 91.1                | 87.4                 | 94.8  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 589                  | 79.6                | 75.3                 | 83.9  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 581                  | 78.5                | 74.0                 | 83.0  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 287                  | 82.1                | 75.3                 | 88.9  |
| Some College or College Graduate                     | 318                  | 76.0                | 70.2                 | 81.7  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 258                  | 79.9                | 72.6                 | 87.3  |
| \$35,000 or Higher per Year                          | 263                  | 77.1                | 71.2                 | 83.1  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 194                  | 88.6                | 81.3                 | 95.9  |
| Living without a Disability                          | 409                  | 74.9                | 69.6                 | 80.2  |

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

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

\* Insufficient Sample

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

**North Central Kansas Public Health Initiative**

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 4400                 | 26.4                | 25.5                 | 27.4  |
| North Central Kansas Public Health Initiative County | 141                  | 22.9                | 18.6                 | 27.2  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 42                   | 21.2                | 14.0                 | 28.5  |
| Women                                                | 99                   | 24.5                | 19.5                 | 29.4  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 37                   | 30.2                | 21.0                 | 39.3  |
| 45 to 64 Years                                       | 74                   | 24.5                | 19.0                 | 30.1  |
| 65 Years and Older                                   | 30                   | 11.0                | 6.9                  | 15.1  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 139                  | 22.8                | 18.5                 | 27.2  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 136                  | 23.0                | 18.6                 | 27.4  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 63                   | 24.2                | 17.3                 | 31.0  |
| Some College or College Graduate                     | 78                   | 22.2                | 16.7                 | 27.8  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 58                   | 25.6                | 18.1                 | 33.1  |
| \$35,000 or Higher per Year                          | 71                   | 22.2                | 16.5                 | 27.9  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 52                   | 29.6                | 20.5                 | 38.7  |
| Living without a Disability                          | 86                   | 20.3                | 15.5                 | 25.2  |

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

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

\* Insufficient Sample

## Percentage of Adults Who Are Current Smokers, 2009

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 3019                 | 17.8                | 17.0                 | 18.7  |
| North Central Kansas Public Health Initiative County | 109                  | 16.0                | 12.4                 | 19.7  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 43                   | 15.1                | 9.5                  | 20.7  |
| Women                                                | 66                   | 17.0                | 12.2                 | 21.7  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 29                   | 21.5                | 13.6                 | 29.5  |
| 45 to 64 Years                                       | 58                   | 17.3                | 12.8                 | 21.9  |
| 65 Years and Older                                   | 22                   | 7.0                 | 3.7                  | 10.4  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 106                  | 16.1                | 12.4                 | 19.8  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 100                  | 15.3                | 11.7                 | 19.0  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 59                   | 21.0                | 15.0                 | 27.0  |
| Some College or College Graduate                     | 50                   | 12.4                | 7.9                  | 17.0  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 47                   | 20.3                | 13.5                 | 27.2  |
| \$35,000 or Higher per Year                          | 48                   | 14.2                | 9.4                  | 19.0  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 35                   | 18.0                | 10.5                 | 25.6  |
| Living without a Disability                          | 72                   | 15.3                | 11.1                 | 19.5  |

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

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

\* Insufficient Sample

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

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 788                  | 5.9                 | 5.3                  | 6.4   |
| North Central Kansas Public Health Initiative County | 53                   | 11.5                | 7.9                  | 15.2  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 47                   | 22.8                | 15.8                 | 29.7  |
| Women                                                | 6                    | 1.0                 | 0.1                  | 1.9   |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 20                   | 19.6                | 11.4                 | 27.8  |
| 45 to 64 Years                                       | 23                   | 9.0                 | 5.2                  | 12.8  |
| 65 Years and Older                                   | 10                   | 3.2                 | 1.0                  | 5.3   |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 52                   | 12.0                | 8.2                  | 15.8  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 53                   | 12.1                | 8.3                  | 15.9  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 20                   | 10.2                | 4.9                  | 15.6  |
| Some College or College Graduate                     | 33                   | 12.6                | 7.6                  | 17.6  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 16                   | 8.6                 | 2.6                  | 14.5  |
| \$35,000 or Higher per Year                          | 34                   | 15.2                | 9.7                  | 20.8  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 13                   | 8.2                 | 2.6                  | 13.9  |
| Living without a Disability                          | 40                   | 12.7                | 8.2                  | 17.2  |

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

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

\* Insufficient Sample

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

**North Central Kansas Public Health Initiative**

|                                                         | Unweighted<br>Frequency | Weighted<br>Percentage | 95%<br>Confidence<br>Limit |       |
|---------------------------------------------------------|-------------------------|------------------------|----------------------------|-------|
|                                                         |                         |                        | Lower                      | Upper |
| Kansas                                                  | 2568                    | 12.1                   | 11.5                       | 12.7  |
| North Central Kansas Public<br>Health Initiative County | 110                     | 16.4                   | 12.7                       | 20.2  |
| <b>Gender</b>                                           |                         |                        |                            |       |
| Men                                                     | 103                     | 32.5                   | 25.4                       | 39.5  |
| Women                                                   | 7                       | 1.4                    | 0.2                        | 2.5   |
| <b>Age</b>                                              |                         |                        |                            |       |
| 18 to 44 Years                                          | 12                      | 12.0                   | 5.0                        | 19.0  |
| 45 to 64 Years                                          | 37                      | 15.2                   | 9.2                        | 21.2  |
| 65 Years and Older                                      | 61                      | 23.9                   | 18.4                       | 29.4  |
| <b>Ethnicity</b>                                        |                         |                        |                            |       |
| Hispanic                                                | *                       | *                      | *                          | *     |
| Non-Hispanic                                            | 107                     | 16.3                   | 12.6                       | 20.0  |
| <b>Race</b>                                             |                         |                        |                            |       |
| White                                                   | 105                     | 16.6                   | 12.7                       | 20.5  |
| African American                                        | *                       | *                      | *                          | *     |
| Other                                                   | *                       | *                      | *                          | *     |
| Multi-Race                                              | *                       | *                      | *                          | *     |
| <b>Education</b>                                        |                         |                        |                            |       |
| High School Graduate or Less                            | 64                      | 22.1                   | 15.9                       | 28.3  |
| Some College or College<br>Graduate                     | 46                      | 12.3                   | 7.7                        | 16.9  |
| <b>Annual Household Income</b>                          |                         |                        |                            |       |
| Less than \$35,000 per Year                             | 54                      | 18.9                   | 13.1                       | 24.7  |
| \$35,000 or Higher per Year                             | 46                      | 16.3                   | 10.7                       | 21.9  |
| <b>Disability</b>                                       |                         |                        |                            |       |
| Living with a Disability                                | 35                      | 23.1                   | 14.4                       | 31.9  |
| Living without a Disability                             | 75                      | 14.3                   | 10.3                       | 18.3  |

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

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

\* Insufficient Sample

## Percentage of Adults Who Are Obese, 2009

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 5453                 | 28.8                | 27.9                 | 29.7  |
| North Central Kansas Public Health Initiative County | 223                  | 33.4                | 28.7                 | 38.0  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 97                   | 36.2                | 28.9                 | 43.6  |
| Women                                                | 126                  | 30.6                | 24.9                 | 36.3  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 37                   | 32.7                | 23.1                 | 42.3  |
| 45 to 64 Years                                       | 103                  | 35.8                | 29.5                 | 42.1  |
| 65 Years and Older                                   | 83                   | 31.7                | 25.7                 | 37.7  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 212                  | 32.7                | 28.0                 | 37.4  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 210                  | 32.6                | 27.9                 | 37.3  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 106                  | 37.3                | 29.9                 | 44.8  |
| Some College or College Graduate                     | 117                  | 30.7                | 24.8                 | 36.6  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 85                   | 31.0                | 23.9                 | 38.1  |
| \$35,000 or Higher per Year                          | 106                  | 33.1                | 26.7                 | 39.5  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 76                   | 40.6                | 31.1                 | 50.1  |
| Living without a Disability                          | 146                  | 31.0                | 25.7                 | 36.4  |

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

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

\* Insufficient Sample

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

### North Central Kansas Public Health Initiative

|                                                      | Unweighted Frequency | Weighted Percentage | 95% Confidence Limit |       |
|------------------------------------------------------|----------------------|---------------------|----------------------|-------|
|                                                      |                      |                     | Lower                | Upper |
| Kansas                                               | 11952                | 64.6                | 63.6                 | 65.6  |
| North Central Kansas Public Health Initiative County | 468                  | 68.2                | 63.9                 | 72.5  |
| <b>Gender</b>                                        |                      |                     |                      |       |
| Men                                                  | 209                  | 76.8                | 70.6                 | 83.1  |
| Women                                                | 259                  | 59.8                | 54.1                 | 65.5  |
| <b>Age</b>                                           |                      |                     |                      |       |
| 18 to 44 Years                                       | 73                   | 65.9                | 57.0                 | 74.8  |
| 45 to 64 Years                                       | 212                  | 74.5                | 69.0                 | 79.9  |
| 65 Years and Older                                   | 183                  | 64.7                | 58.7                 | 70.6  |
| <b>Ethnicity</b>                                     |                      |                     |                      |       |
| Hispanic                                             | *                    | *                   | *                    | *     |
| Non-Hispanic                                         | 455                  | 68.1                | 63.7                 | 72.4  |
| <b>Race</b>                                          |                      |                     |                      |       |
| White                                                | 451                  | 68.1                | 63.7                 | 72.5  |
| African American                                     | *                    | *                   | *                    | *     |
| Other                                                | *                    | *                   | *                    | *     |
| Multi-Race                                           | *                    | *                   | *                    | *     |
| <b>Education</b>                                     |                      |                     |                      |       |
| High School Graduate or Less                         | 205                  | 68.8                | 62.3                 | 75.3  |
| Some College or College Graduate                     | 262                  | 68.2                | 62.5                 | 73.9  |
| <b>Annual Household Income</b>                       |                      |                     |                      |       |
| Less than \$35,000 per Year                          | 194                  | 68.7                | 62.1                 | 75.2  |
| \$35,000 or Higher per Year                          | 219                  | 68.0                | 61.8                 | 74.2  |
| <b>Disability</b>                                    |                      |                     |                      |       |
| Living with a Disability                             | 147                  | 75.5                | 68.4                 | 82.5  |
| Living without a Disability                          | 319                  | 66.0                | 60.8                 | 71.2  |

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

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

\* Insufficient Sample