

# ARTHRITIS

North Central Kansas  
Public Health Initiative



**1 in 3**

Adults 18 years old and older in the North Central Kansas Public Health Initiative have diagnosed arthritis<sup>3</sup>

## Overview

Arthritis is the most common cause of disability.<sup>1</sup> In 2003 the U.S. total attributable cost for arthritis and other rheumatic conditions was about \$128 billion (\$80.8 billion were medical expenditures and \$47 billion were loss of earnings).<sup>2</sup> The term arthritis covers several conditions including general arthritis, osteoarthritis, rheumatoid arthritis, gout, lupus and fibromyalgia. The Healthy People 2020 goal for arthritis is to reduce the disease and economic burden, and improve the quality of life for all persons with arthritis.

NC KS Public Health Initiative counties: Clay, Cloud, Dickinson, Ellsworth, Jewell, Lincoln, Mitchell, Osborne, Ottawa, Republic, Russell, Smith, Washington

| Doctor Diagnosed Arthritis Among Population Sub-Groups, North Central Kansas Public Health Initiative 2013 <sup>3</sup> |  |
|---|--|
| <b>Significantly Higher Arthritis Among</b>   |  |
| Older adults  | compared with younger adults                     |
| Adults with lower annual household incomes  | compared with adults with higher incomes         |
| Adults living with a disability   | compared with adults living without a disability |
| Adults with insurance   | compared with adults with no insurance           |



**Half** of adults 18 years old and older with arthritis in the North Central Kansas Public Health Initiative are **limited in their usual activities** due to arthritis symptoms.<sup>3</sup>



1. Brault MW, Hootman J, Helmick CG, et al. Prevalence and most common causes of disability among adults, United States, 2005. MMWR. 2009;58(16):421-26.
2. Centers for Disease Control and Prevention. Arthritis. CDC website. 2011. Available at: [http://www.cdc.gov/arthritis/data\\_statistics/cost.htm](http://www.cdc.gov/arthritis/data_statistics/cost.htm). Accessed October 21, 2015.
3. Kansas Behavioral Risk Factor Surveillance System-Local Data, 2013. Kansas Department of Health and Environment, Bureau of Health Promotion website. 2014. Available at <http://www.kdheks.gov/brfss/BRFSS2013/index.html>. Accessed October 21, 2015.

This publication was supported by Cooperative Agreement 5U58sO000008-03 from the Centers for Disease Control and Prevention (CDC). Its contents are solely the responsibility of the authors and do not necessarily represent the official views of CDC.

## North Central Kansas Public Health Initiative Percentage of Adults with Doctor Diagnosed Arthritis, 2013 KS BRFSS

|  | Unweighted Frequency | Weighted Percentage | Standard Error | 95% Confidence Interval |
|--|----------------------|---------------------|----------------|-------------------------|
| Kansas   | 7,380                | 23.9                | 0.3            | 23.3 - 24.5             |
| <b>North Central Kansas Public Health Initiative</b> | <b>317</b>           | <b>30.0</b>         | <b>1.7</b>     | <b>26.7 - 33.3</b>      |
| <b>Age Group</b>                                     |                      |                     |                |                         |
| 18 to 44 Years                                       | 23                   | 11.0                | 2.3            | 6.4 - 15.5              |
| 45 to 64 Years                                       | 106                  | 32.3                | 2.9            | 26.6 - 38.0             |
| 65 Years and Older                                   | 186                  | 51.4                | 3.0            | 45.5 - 57.3             |
| <b>Annual Household Income</b>                       |                      |                     |                |                         |
| Less than \$35,000                                   | 145                  | 35.6                | 2.9            | 29.9 - 41.2             |
| \$35,000 or Higher                                   | 112                  | 24.0                | 2.3            | 19.5 - 28.4             |
| <b>Disability Status</b>                             |                      |                     |                |                         |
| Living with a Disability                             | 168                  | 63.9                | 3.6            | 56.9 - 70.9             |
| Living without a Disability                          | 147                  | 19.1                | 1.7            | 15.8 - 22.3             |
| <b>Health Insurance Status</b>                       |                      |                     |                |                         |
| Insured  | 300                  | 32.0                | 1.8            | 28.4 - 35.5             |
| Uninsured  | 17                   | 18.8                | 4.5            | 9.9 - 27.7              |

**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.

*Italicized prevalence estimates have a margin of error >5 due to small sample size. For more details view Technical Notes [www.kdheks.gov/brfss/BRFSS2013/Technical%20Notes.pdf](http://www.kdheks.gov/brfss/BRFSS2013/Technical%20Notes.pdf).*

### North Central Kansas Public Health Initiative, Percentage of Adults with Doctor Diagnosed Arthritis Who Are Limited in Their Usual Activities Because of Arthritis or Joint Symptoms, 2013 KS BRFSS

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

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

*Italicized prevalence estimates have a margin of error >5 due to small sample size. For more details view Technical Notes [www.kdheks.gov/brfss/BRFSS2013/Technical%20Notes.pdf](http://www.kdheks.gov/brfss/BRFSS2013/Technical%20Notes.pdf).*

|  | Unweighted Frequency | Weighted Percentage | Standard Error | 95% Confidence Interval |
|--|----------------------|---------------------|----------------|-------------------------|
| Kansas   | 3,286                | 46.4                | 0.7            | 45.0 - 47.9             |
| <b>North Central Kansas Public Health Initiative</b> | <b>141</b>           | <b>46.0</b>         | <b>3.3</b>     | <b>39.6 - 52.4</b>      |