

# Tobacco Data Deck 2015

Chronic Disease Epidemiology Section  
Epidemiology Branch  
Center for Public Health Practice

Tobacco Prevention and Cessation Program  
Center for Health Advancement

Arkansas Department of Health



Help us keep track of when/how information in this Data Deck is used:  
email your comments to Wanda Simon at [wanda.simon@arkansas.gov](mailto:wanda.simon@arkansas.gov) or call 501-280-4812

# Tobacco Data Deck

- **Purpose**

To provide a comprehensive set of charts describing multiple impacts of tobacco use in Arkansas with selected U.S. comparisons.

These charts will be updated as the most recent year data become available.

- **Suggestions for use**

Charts are in a fixed format so errors cannot be introduced, but charts can be copied for use in other presentations or reports.

# Brief Contents

- ❑ [Section I : Tobacco Use among Adults and Youths.....7](#)
- ❑ [Section II : Impact of Tobacco Use: Heart Disease and Stroke.....39](#)
- ❑ [Section III : Impact of Tobacco Use: Cancer.....60](#)
- ❑ [Section IV : Impact of Tobacco Use: Maternal and Child Health.....85](#)
- ❑ [Section V : Impact of Tobacco Use: Overweight and Obese.....110](#)
- ❑ [Section VI : Impact of Tobacco Use: Diabetes.....119](#)
- ❑ [Section VII: Demographics.....128](#)

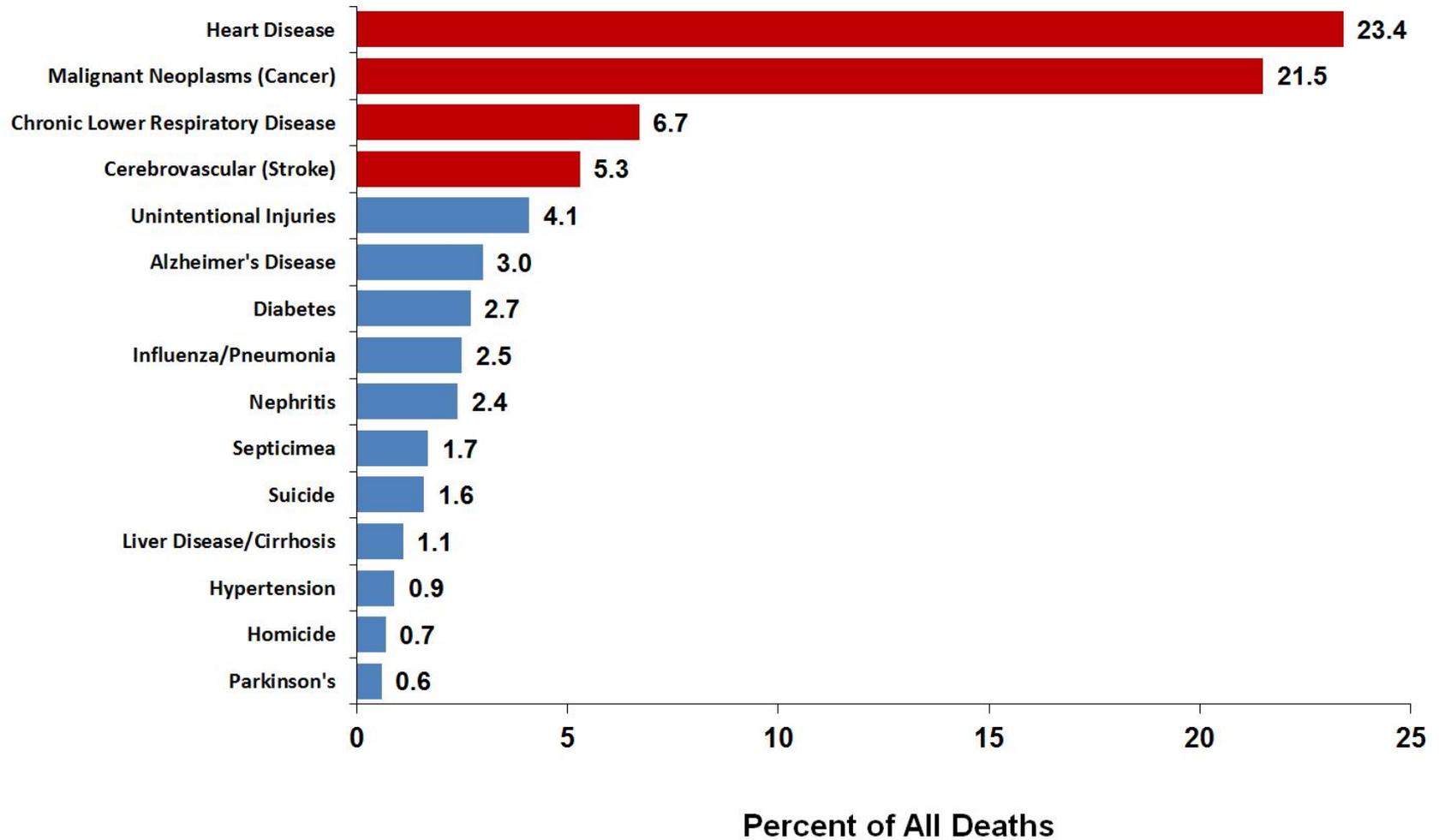
# Table of Contents

<b><u>Leading causes of Death.....6</u></b>	
<b><u>Section I: Tobacco Use among Adults and Youths.....7</u></b>	
A: Cigarette Smoking: Adult	
B: Smokeless Tobacco Use: Adult	
C: Cigarette Smoking: Youth	
D: Smokeless Tobacco Use: Youth	
E: Cigarette Sales to Minors Compliance Checks	
F: Cigarette Consumption and Revenues from Excise Taxes	
<b><u>Section II: Impact of Tobacco Use: Heart Disease and Stroke.....39</u></b>	
A: Heart Disease Mortality	
B: Cerebrovascular (Stroke) Mortality	
C: High Blood Cholesterol	
D: Hypertension (High Blood Pressure)	
<b><u>Section III: Impact of Tobacco Use: Cancer.....60</u></b>	
A: Cancer Incidence	
B: Cancer Mortality	
<b><u>Section IV: Impact of Tobacco Use: Maternal and Child Health.....85</u></b>	
A: Mothers of All Ages Who Smoked During Pregnancy	
B: Teenage Mothers Who Smoked During Pregnancy	
C: Low Birth Weight and Preterm Births by Maternal Smoking	
D: Infant Mortality and Maternal Smoking	
E: SIDS Mortality and Maternal Smoking	
F: PRAMS Indicators	
G: BRFSS Indicators	
<b><u>Section V: Impact of Tobacco Use: Overweight and Obese.....110</u></b>	
<b><u>Section VI: Impact of Tobacco Use: Diabetes.....119</u></b>	
<b><u>Section VII: Demographics.....128</u></b>	

# Data Sources

<u>Source</u>	<u>Latest Year of Data</u>
• Arkansas Prevention Needs Assessment Survey (APNA)	2014
• Arkansas Central Cancer Registry (ACCR)	2012
• Arkansas Department of Health, Health Statistics	2013
• Arkansas Youth Tobacco Survey (YTS)	2010
• Behavioral Risk Factor Surveillance System (BRFSS)	2013
• CDC Wonder Mortality Tables	2013
• Orzechowski & Walker, <i>The Tax Burden on Tobacco</i>	2014
• Pregnancy Risk Assessment Monitoring System (PRAMS)	2012
• Surveillance, Epidemiology, and End Results (SEER)	2011
• U.S. Department of Health and Human Services (DHHS)	2014
• U.S. Census Bureau	2013
• Youth Risk Behavior Surveillance System (YRBSS)	2013

# Top Fifteen Leading Causes of Death (All Ages) Arkansas 2013



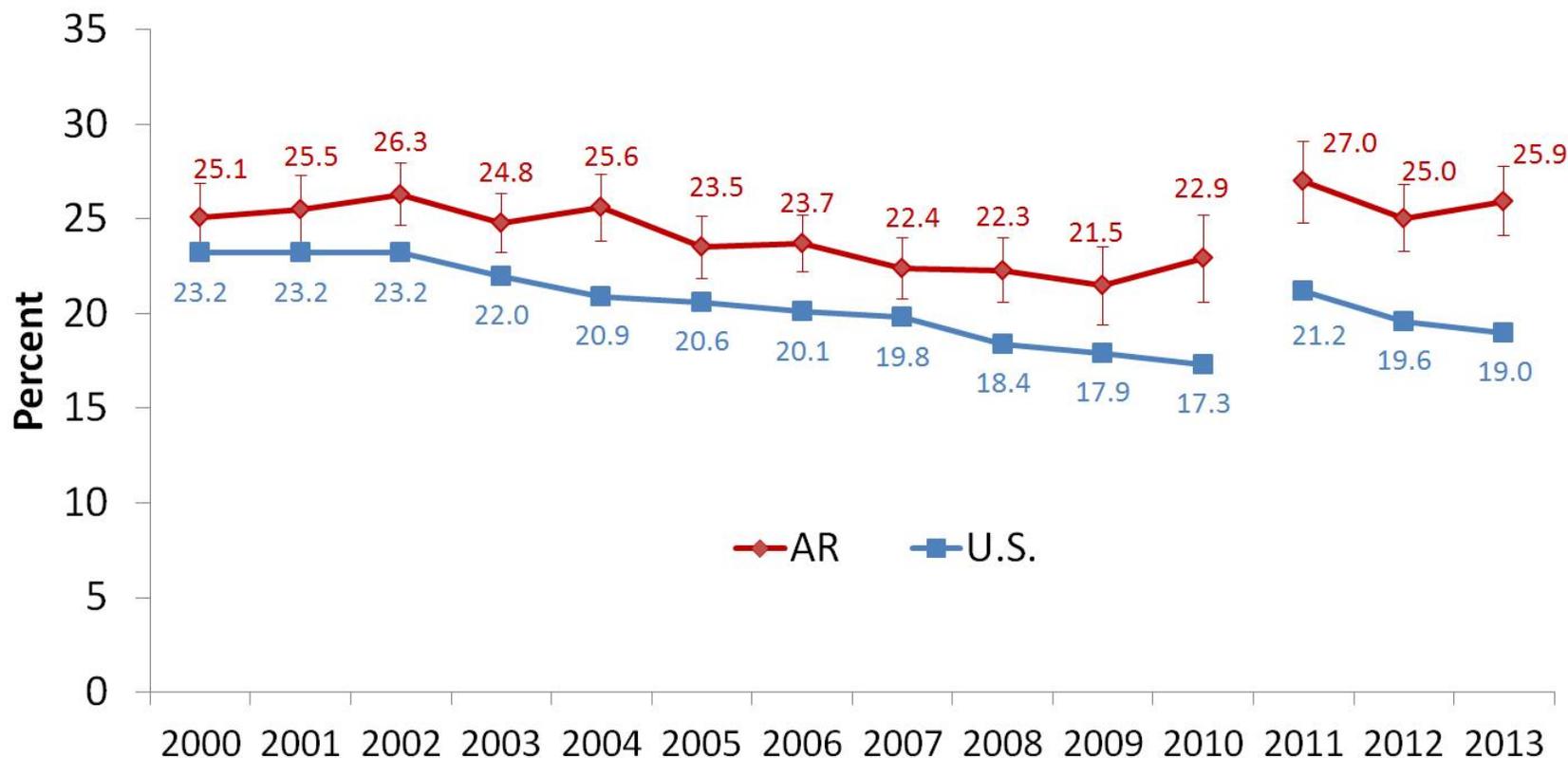
Source: Arkansas Health Statistics Branch (provisional data)

# **SECTION I**

## **Tobacco Use Among Adults and Youths**

# A. Cigarette Smoking: Adult

## Current Cigarette Smoking among Adults Arkansas & U.S.\* 2000-2013



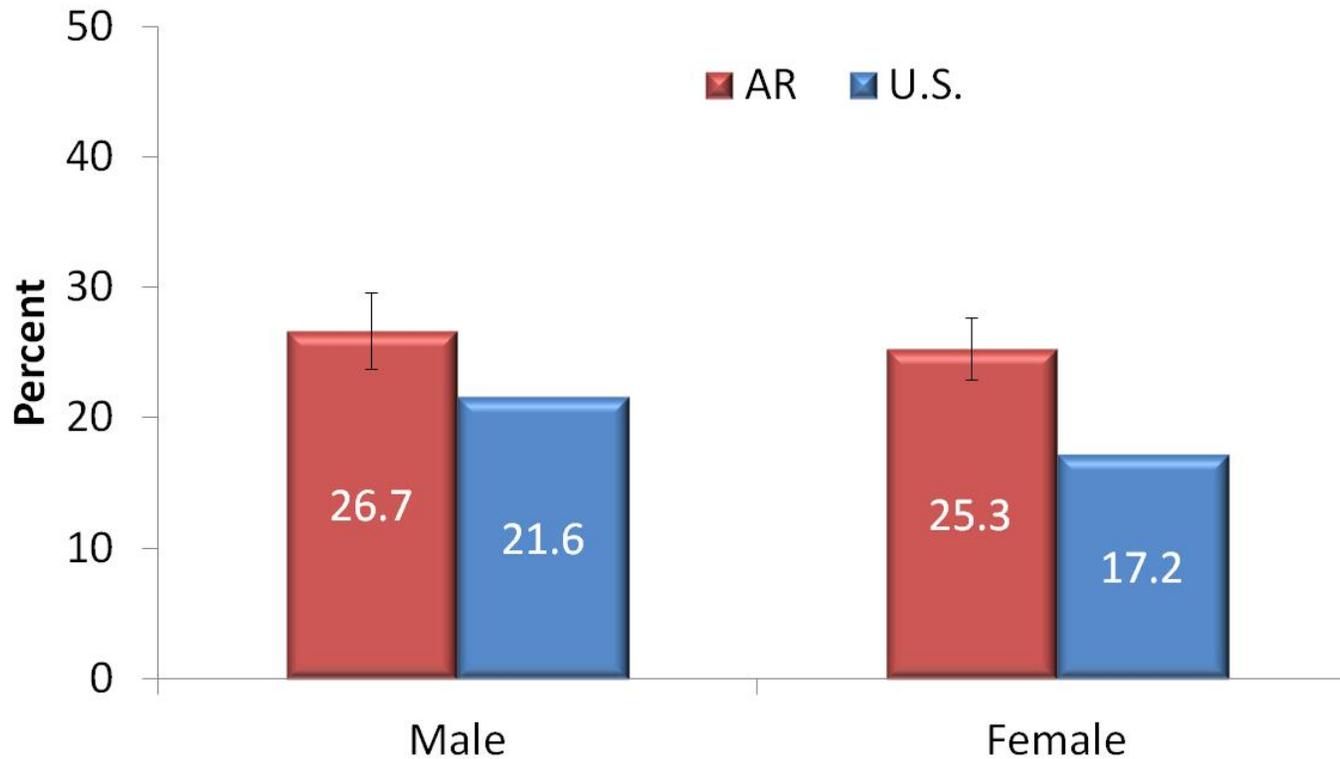
Respondents aged  $\geq 18$  years who report having smoked 100 cigarettes in their lifetime and are current smokers on every day or some days

In 2011 BRFSS had substantial methodological changes; 2011 and subsequent years are not comparable to years prior to 2011

\*The U.S. rate is the median of the states and D.C.

Source: Behavioral Risk Factor Surveillance System (BRFSS)

# Current Cigarette Smoking among Adults by Gender Arkansas and U.S. 2013

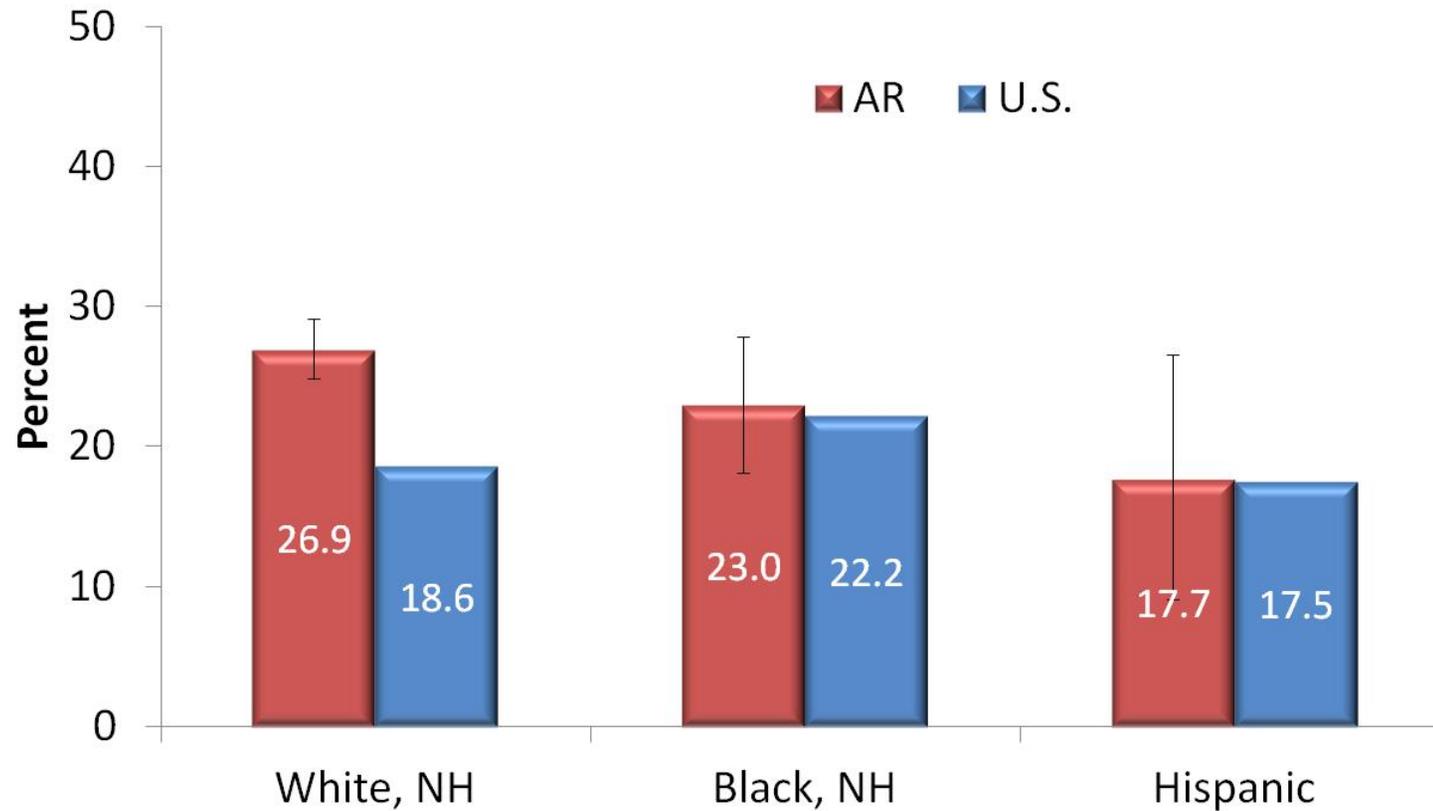


Respondents aged  $\geq 18$  years who report having smoked 100 cigarettes in their lifetime and are current smokers on every day or some days.

Source: Behavioral Risk Factor Surveillance System (BRFSS)

Note: The U.S. rate is the median of the states and D.C.

# Current Cigarette Smoking among Adults by Race/Ethnicity Arkansas and U.S. 2013



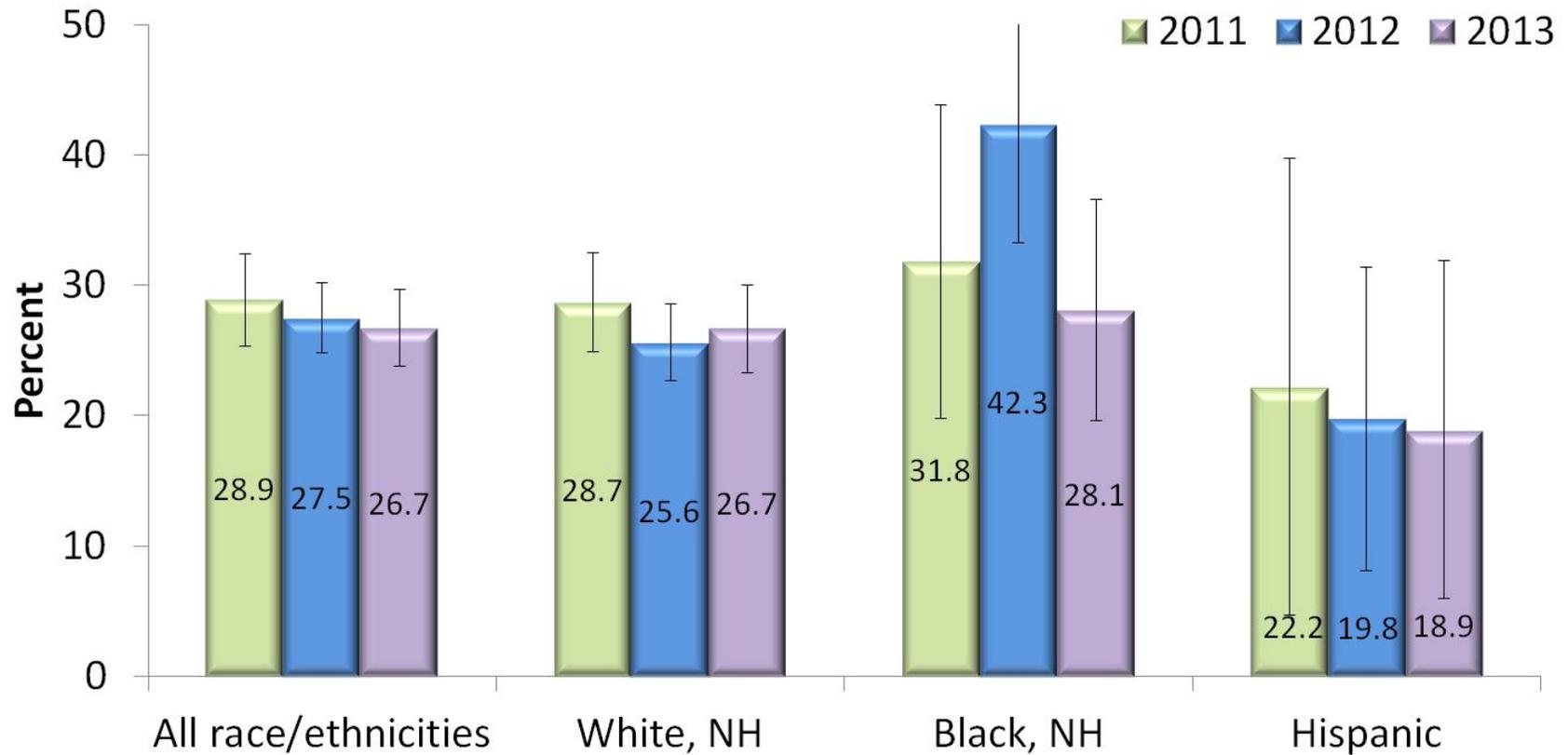
Respondents aged  $\geq 18$  years who report having smoked 100 cigarettes in their lifetime and are current smokers on every day or some days.

Source: Behavioral Risk Factor Surveillance System (BRFSS)

Note1: The U.S. rate is the median of the states and D.C.

Note2: The AR Hispanic rate is based on a numerator less than 50, use caution in interpreting.

# Current Cigarette Smoking among Adult Males by Race/Ethnicity Arkansas

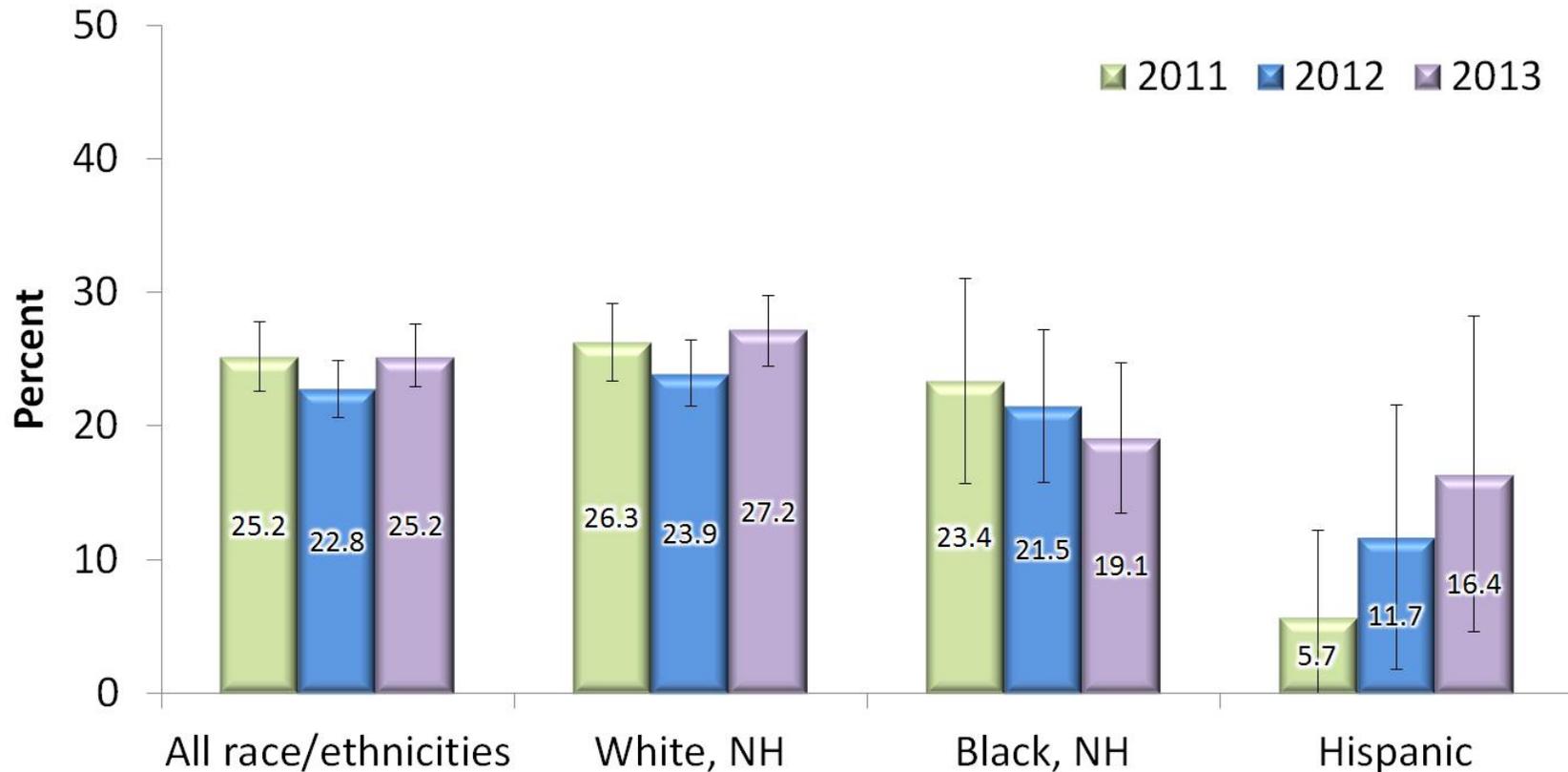


Respondents aged  $\geq 18$  years who report having smoked 100 cigarettes in their lifetime and are current smokers on every day or some days

Note: The AR Hispanic rate is based on a numerator less than 50, use caution in interpreting.

Source: Behavioral Risk Factor Surveillance System (BRFSS)

# Current Cigarette Smoking among Adult Females by Race/Ethnicity Arkansas

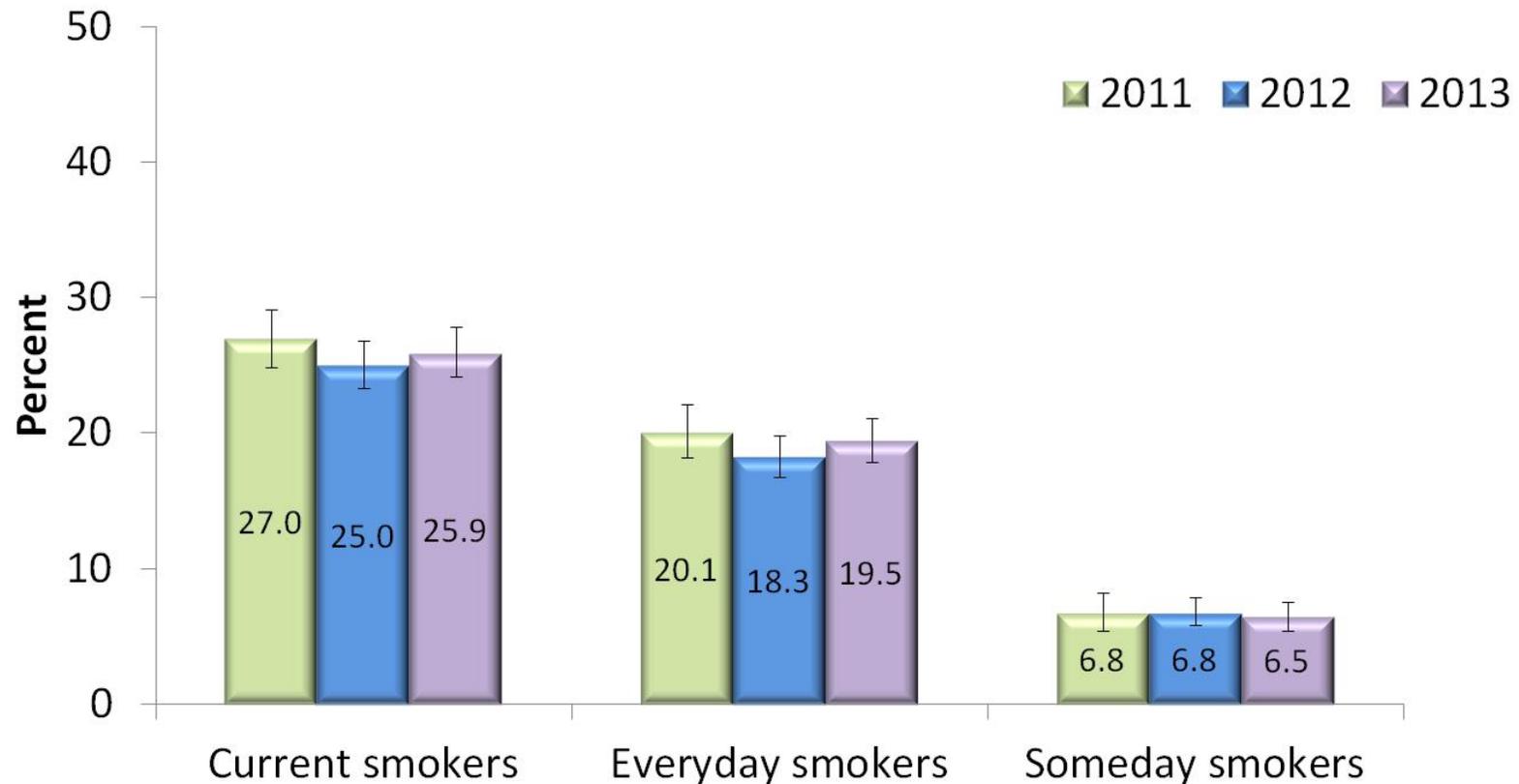


Respondents aged  $\geq 18$  years who report having smoked 100 cigarettes in their lifetime and are current smokers on every day or some days

Note: The AR Hispanic rate is based on a numerator less than 50, use caution in interpreting.

Source: Behavioral Risk Factor Surveillance System (BRFSS)

## Current\*, Everyday\*\*, and Someday‡ Cigarette Smoking among Adults Arkansas



\*Respondents aged  $\geq 18$  years who report having smoked 100 cigarettes in their lifetime and are current smokers on every day or some days.

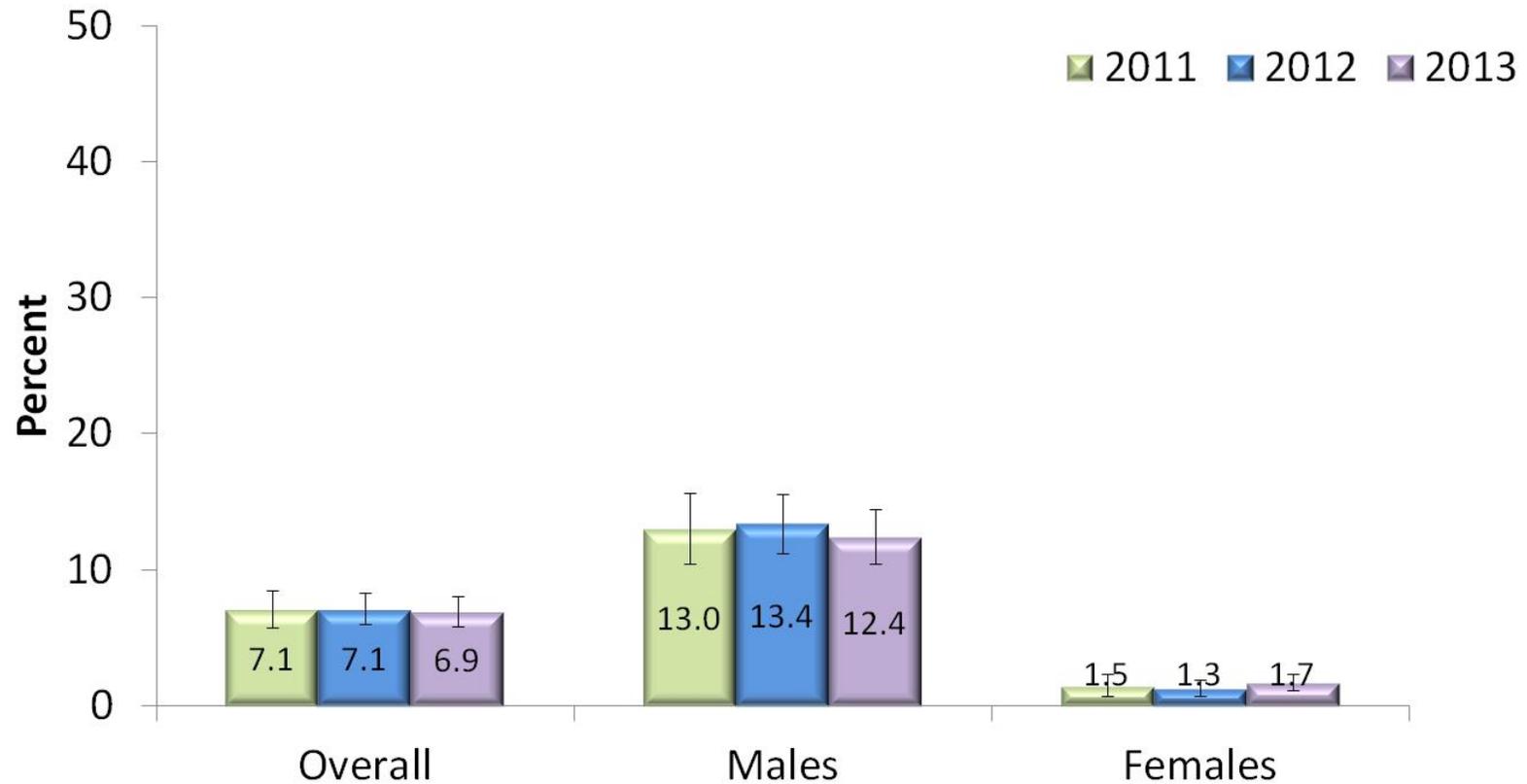
\*\*Respondents aged  $\geq 18$  years who report having smoked 100 cigarettes in their lifetime and are current smokers on every day.

‡Respondents aged  $\geq 18$  years who report having smoked 100 cigarettes in their lifetime and are current smokers on some days.

Source: Behavioral Risk Factor Surveillance System (BRFSS)

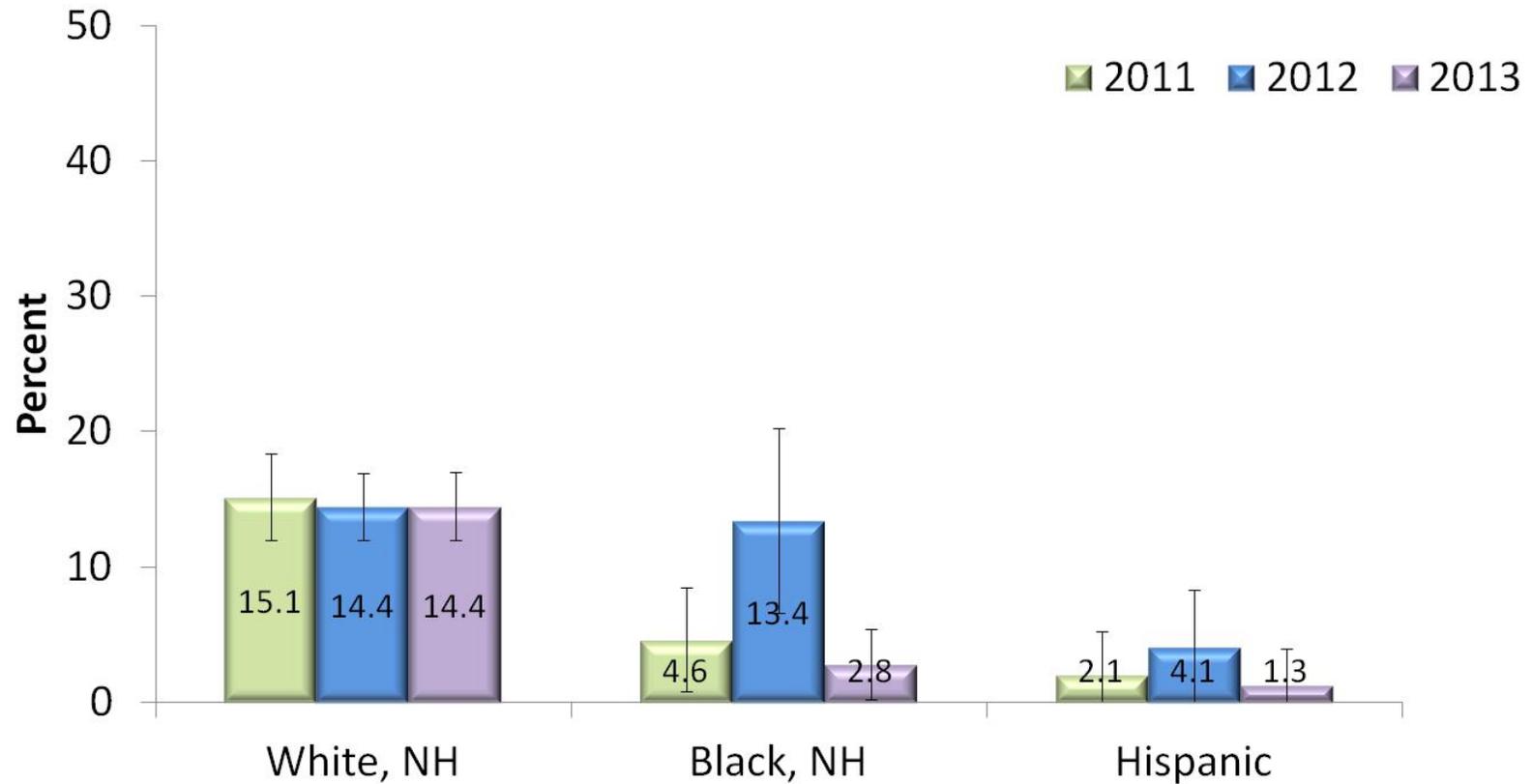
## **B. Smokeless Tobacco Use: Adult**

## Current Smokeless Tobacco Use among Adults Arkansas



Question: Do you currently use chewing tobacco, snuff, or snus every day, some days, or not at all?  
Source: Behavioral Risk Factor Surveillance System (BRFSS)

## Current Smokeless Tobacco Use among Adult Males by Race/Ethnicity Arkansas



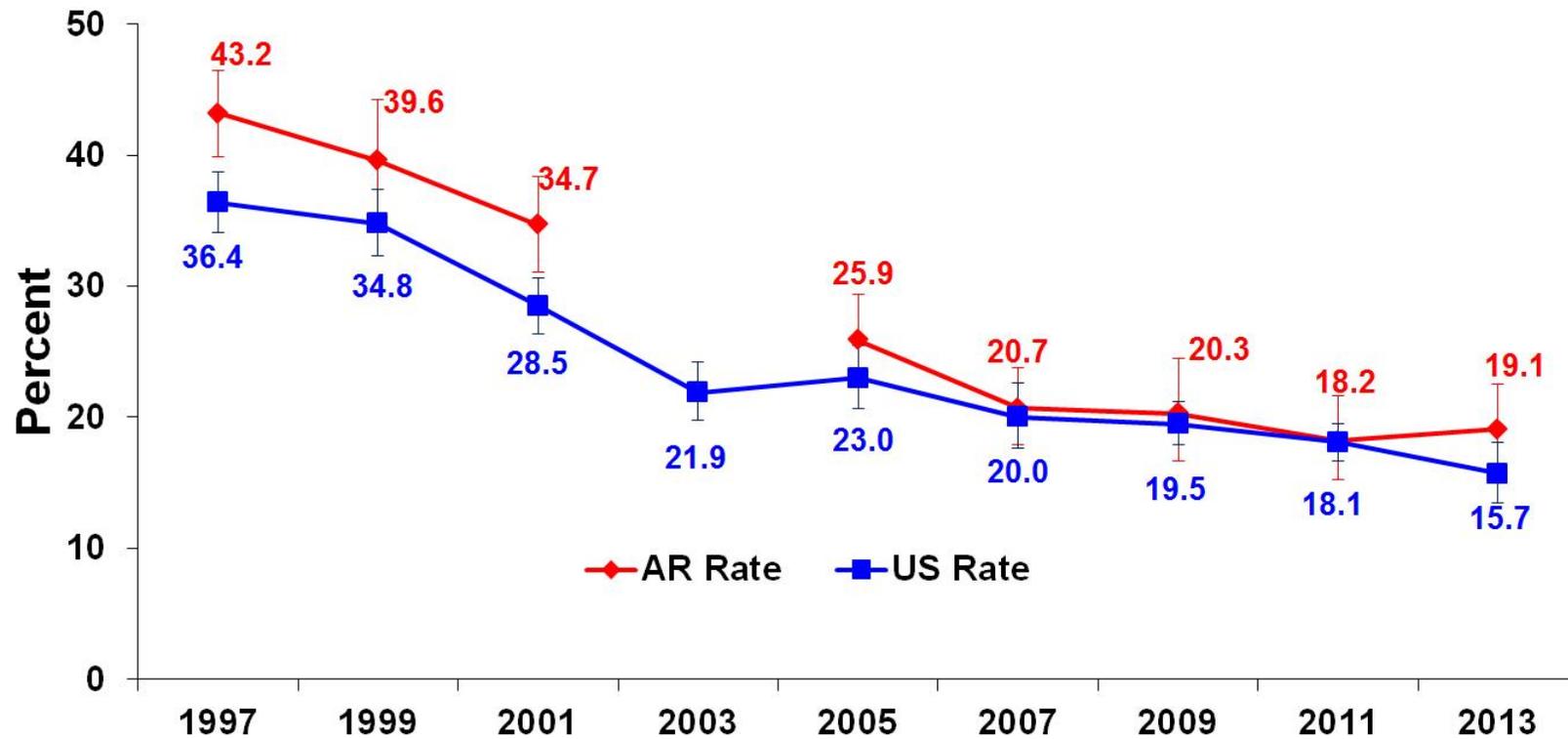
Question: Do you currently use chewing tobacco, snuff, or snus every day, some days, or not at all?

Note: The AR Hispanic rate is based on a numerator less than 50, use caution in interpreting.

Source: Behavioral Risk Factor Surveillance System (BRFSS)

# C. Cigarette Smoking: Youth

## Current Cigarette Smoking\* among High School Students Arkansas and U.S. 1997-2011

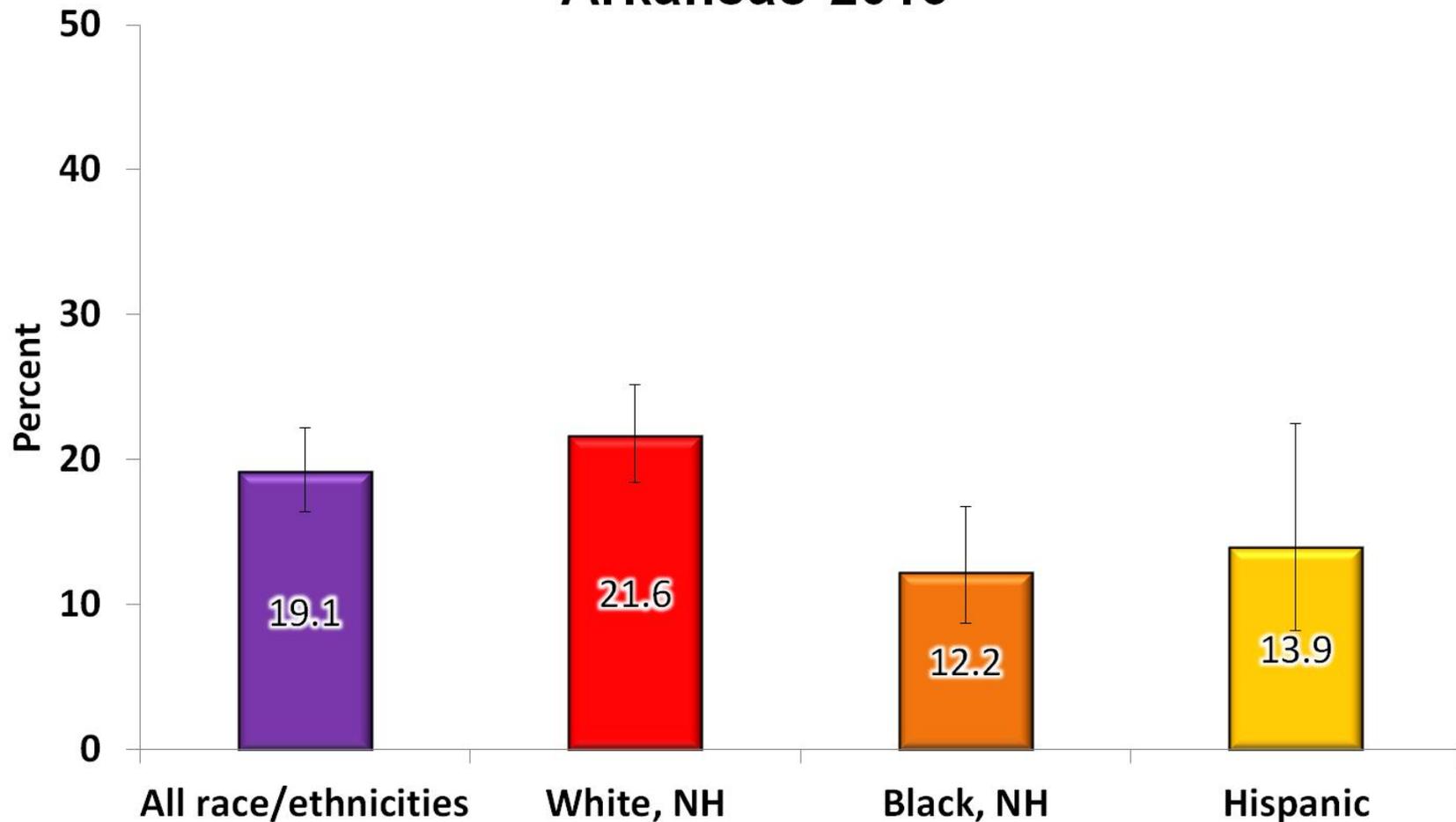


\* Students in grades 9-12 who report having smoked cigarettes on one or more days during the previous 30 days

No data available for Arkansas in 2003

Source: Youth Risk Behavior Surveillance System

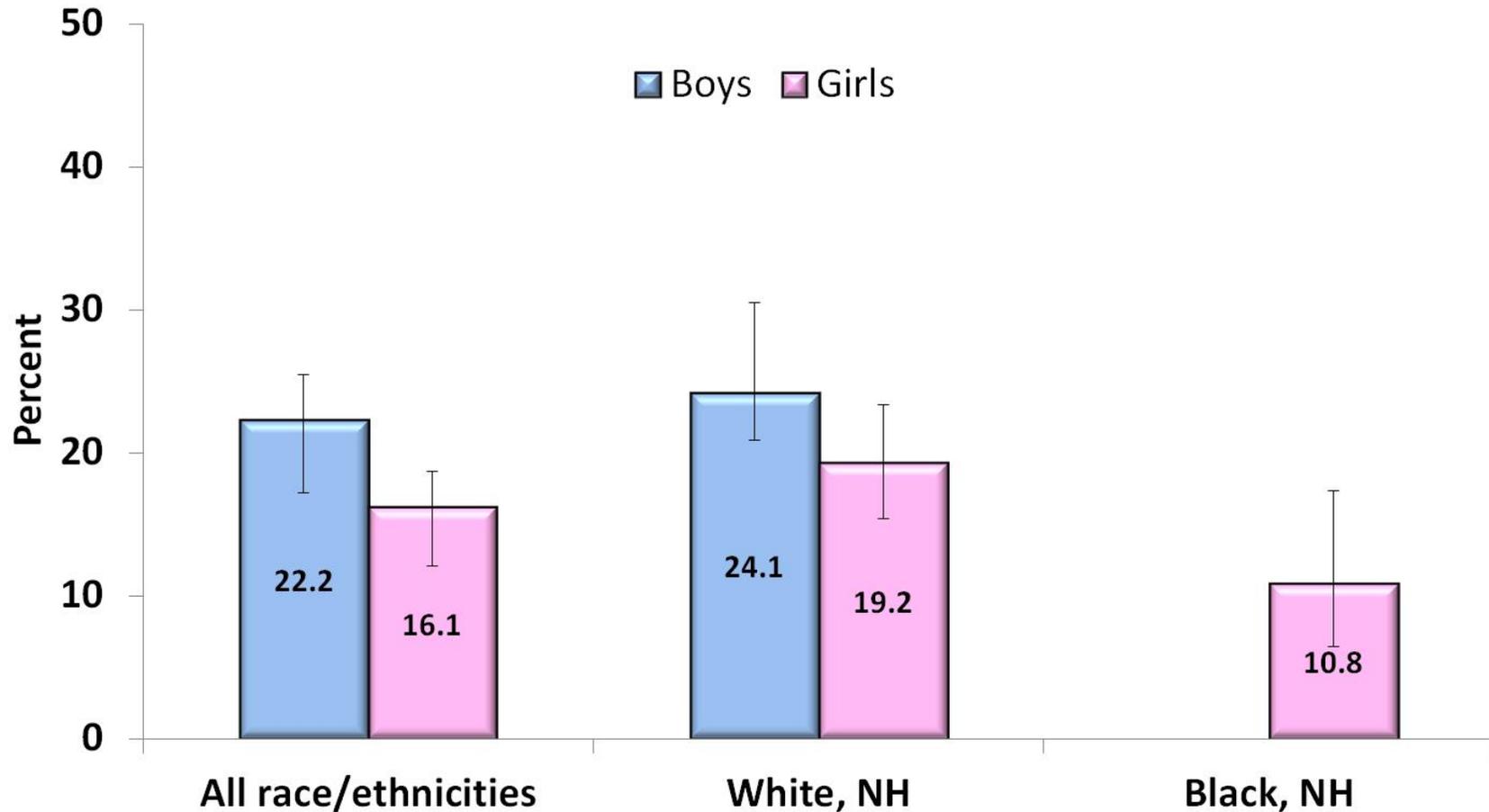
# Current Cigarette Smoking among High School Students\* by Race/Ethnicity Arkansas 2013



\*Students in grades 9-12 who report having smoked cigarettes on one or more days during the previous 30 days.

Source: Arkansas Youth Behavioral Risk Factor Surveillance System (YRBS)

# Current Cigarette Smoking among High School Students\* by Race/Ethnicity and Gender Arkansas 2013

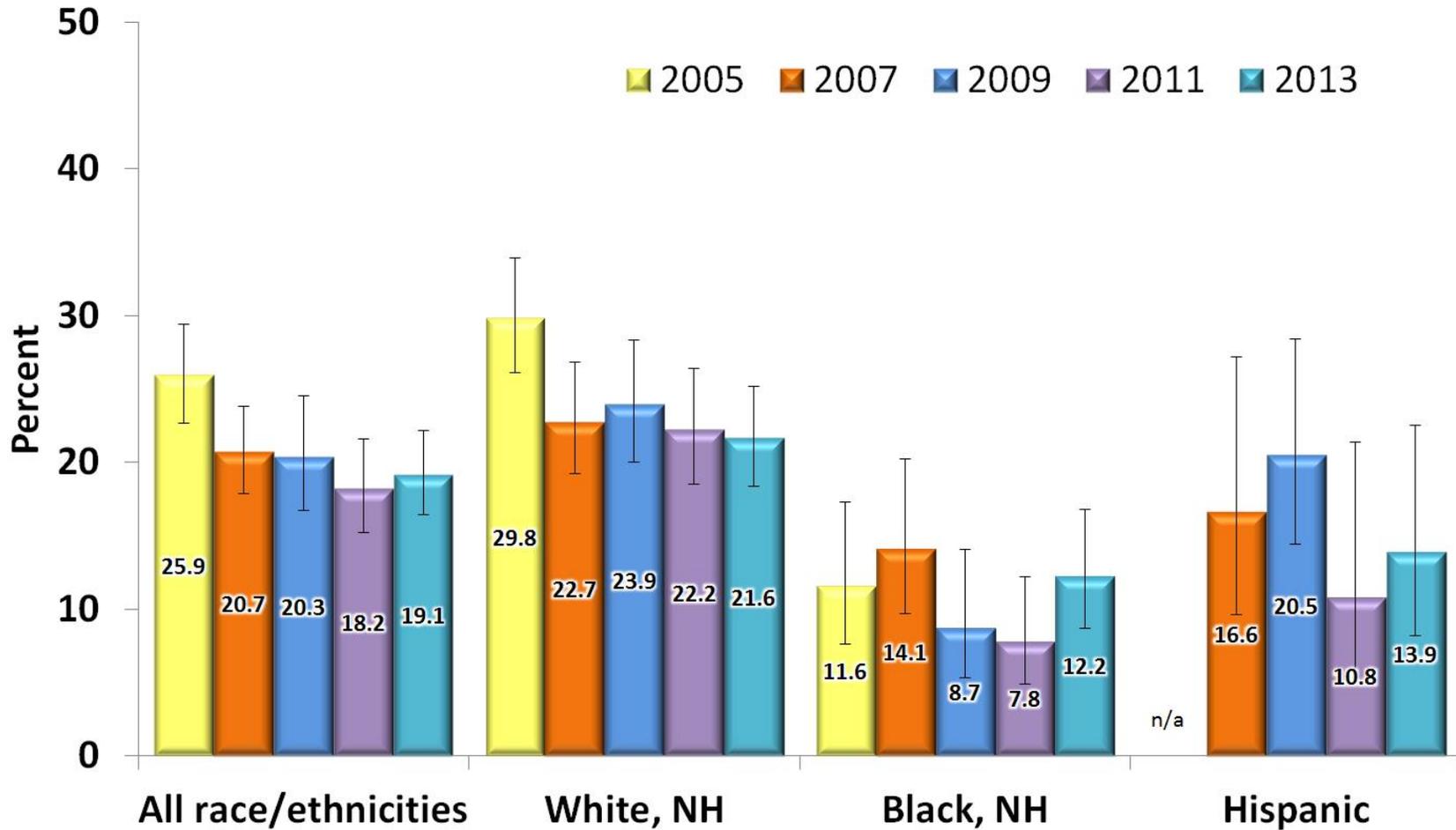


\*Students in grades 9-12 who report having smoked cigarettes on one or more days during the previous 30 days.

Note: Insufficient data for Hispanics and black males

Source: Arkansas Youth Behavioral Risk Factor Surveillance System (YRBS)

# Current Cigarette Smoking among High School Students\* by Race/Ethnicity Arkansas

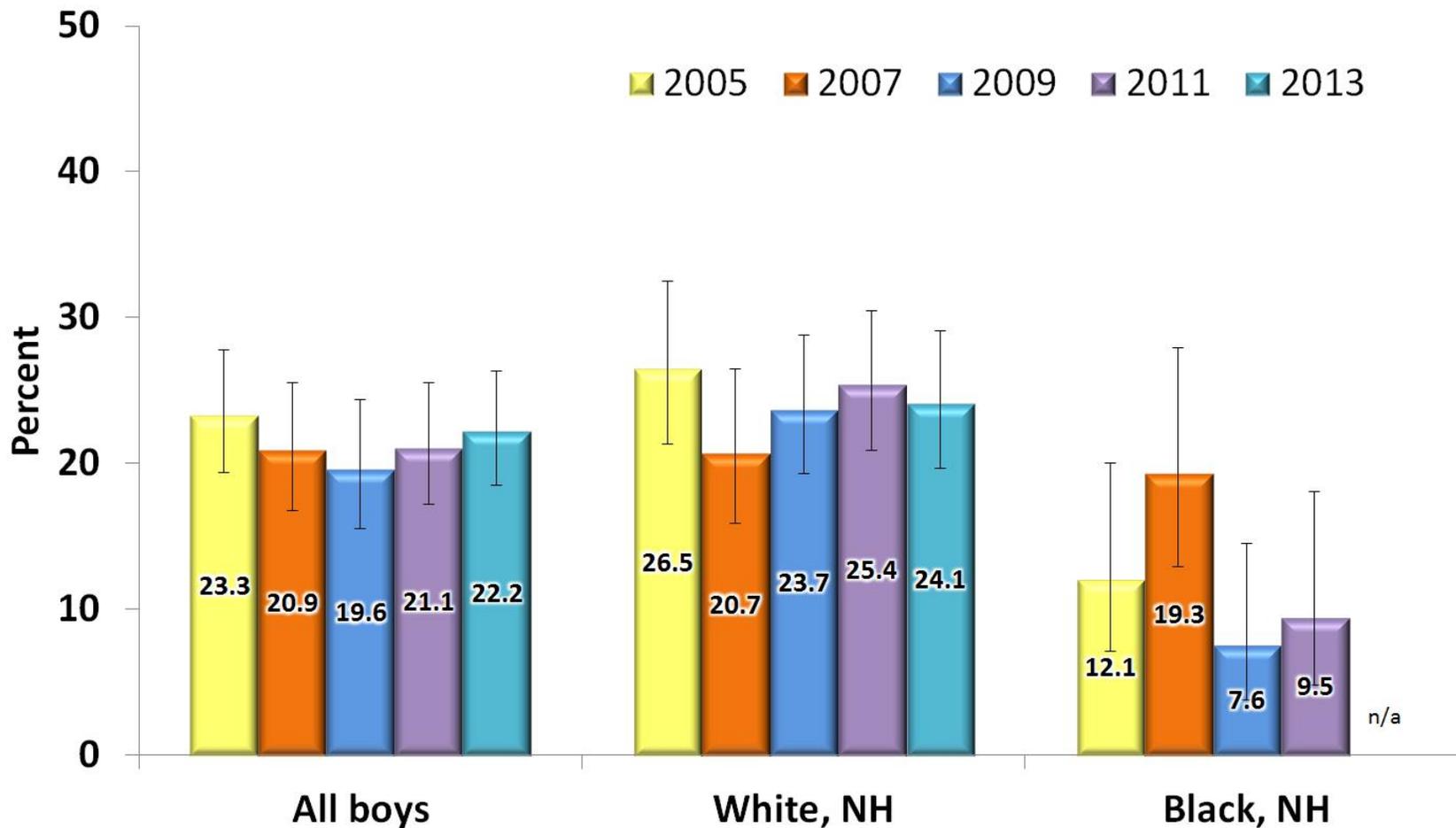


\*Students in grades 9-12 who report having smoked cigarettes on one or more days during the previous 30 days.

n/a = insufficient data

Source: Arkansas Youth Behavioral Risk Factor Surveillance System (YRBS)

# Current Cigarette Smoking among High School Boys\* by Race/Ethnicity Arkansas

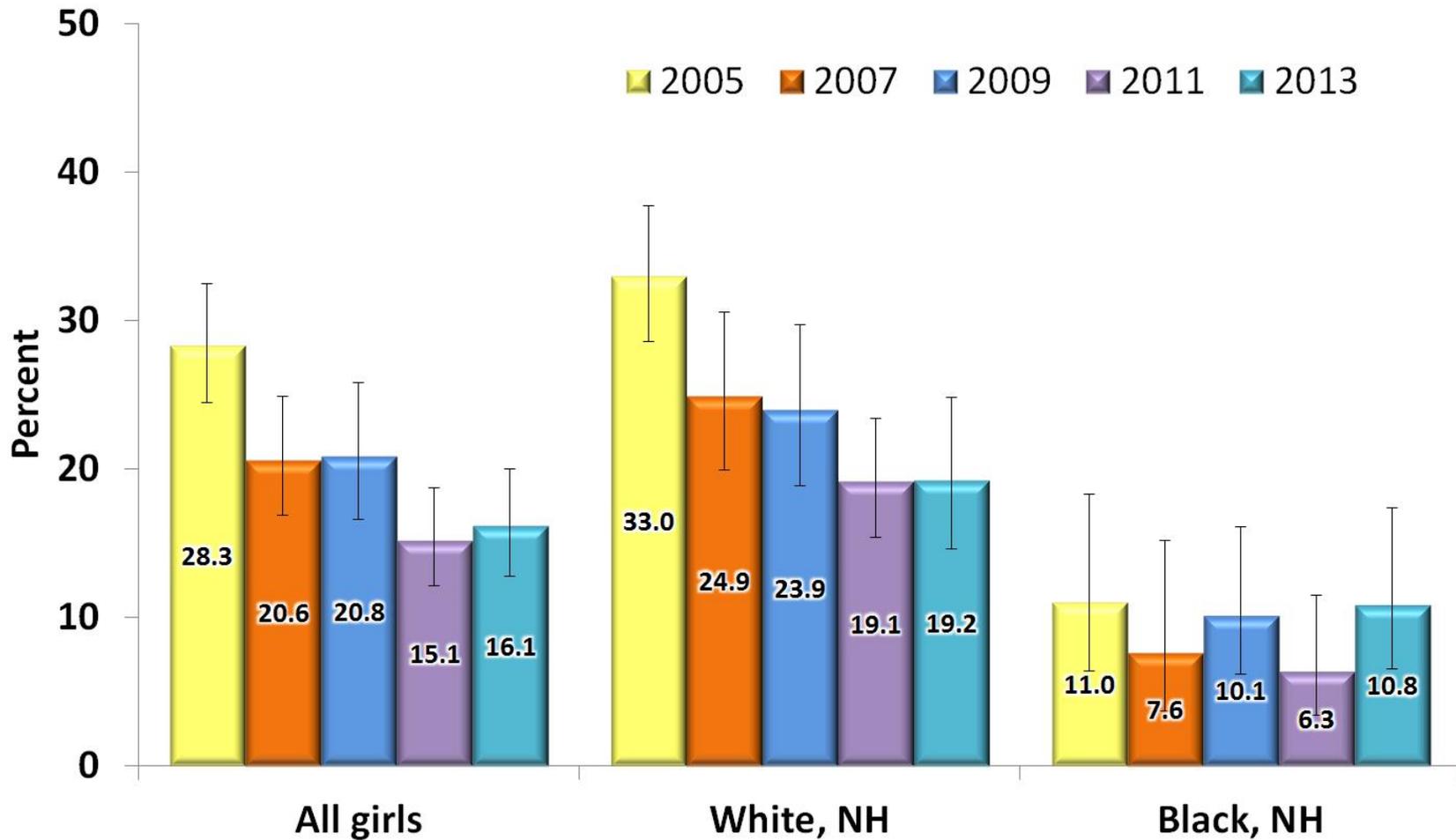


\*Male students in grades 9-12 who report having smoked cigarettes on one or more days during the previous 30 days.

n/a = insufficient data

Source: Arkansas Youth Behavioral Risk Factor Surveillance System (YRBS)

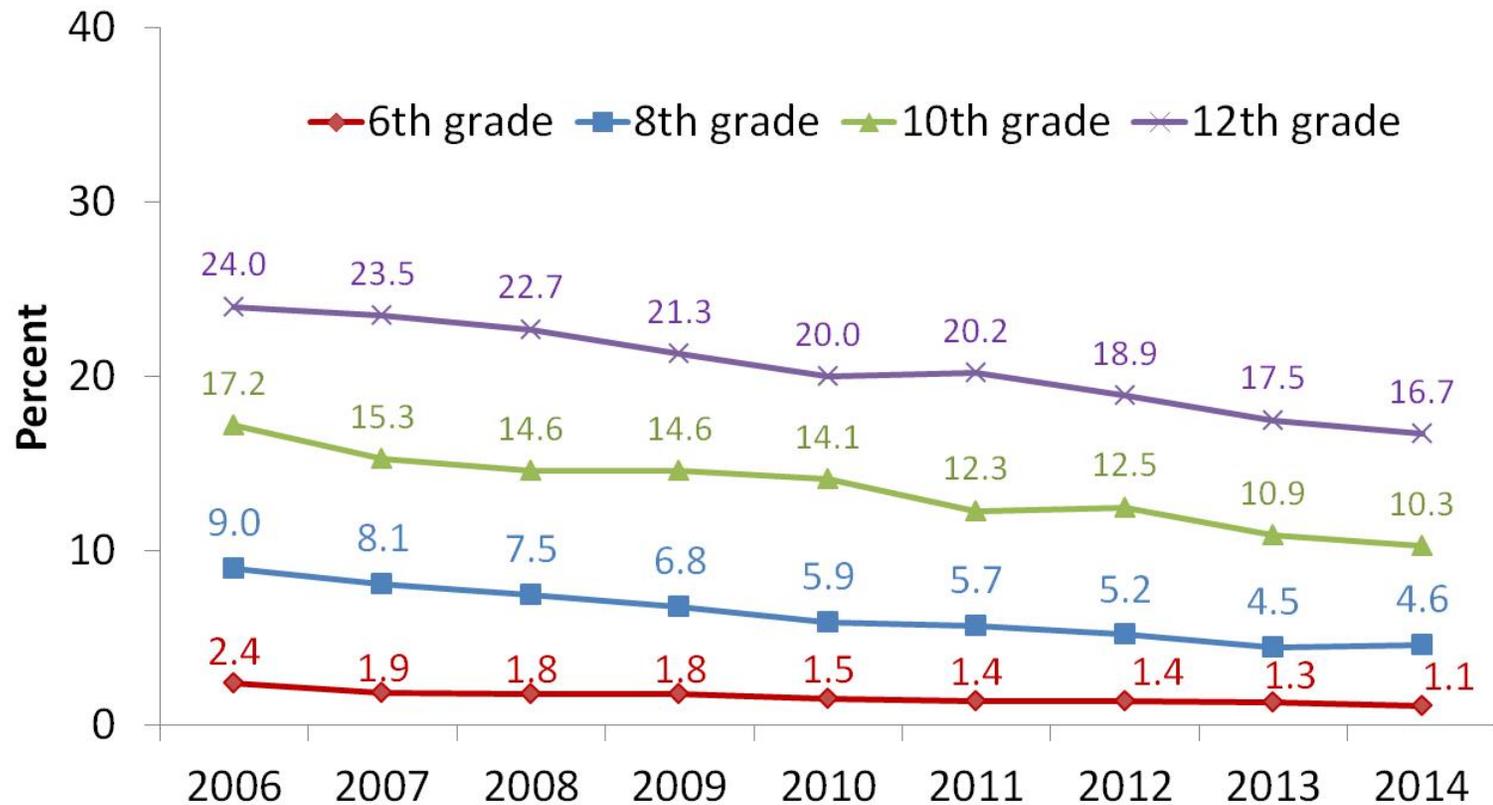
# Current Cigarette Smoking among High School Girls\* by Race/Ethnicity Arkansas



\*Female students in grades 9-12 who report having smoked cigarettes on one or more days during the previous 30 days.

Source: Arkansas Youth Behavioral Risk Factor Surveillance System (YRBS)

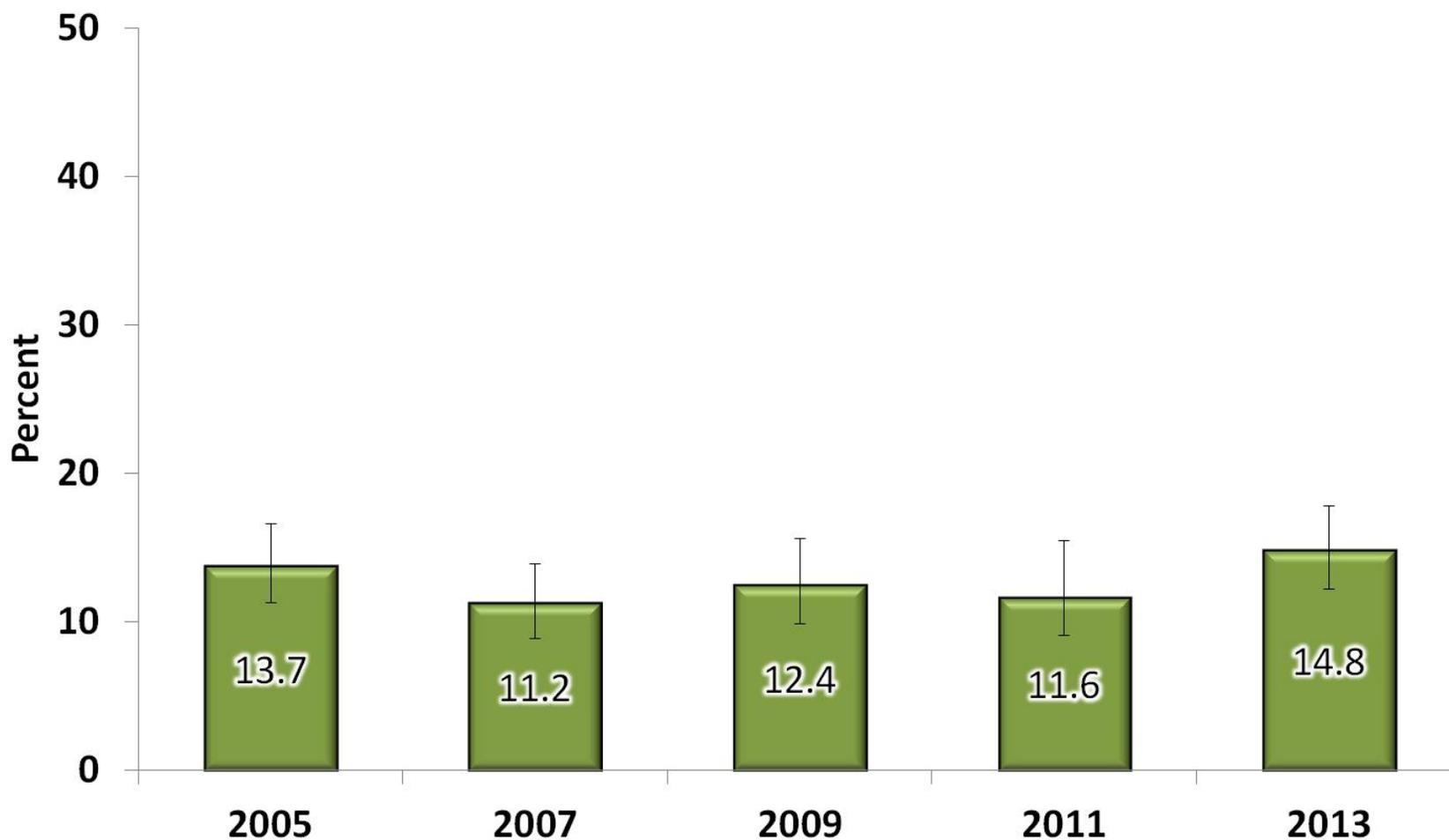
# Current Cigarette Smoking among Youth by Grade Level Arkansas 2006-2014



\*Students who reported having smoked cigarettes during the previous 30 days.  
APNA is a school-based survey of students in the 6<sup>th</sup>, 8<sup>th</sup>, 10<sup>th</sup>, and 12<sup>th</sup> grades.  
Source: Arkansas Prevention Needs Assessment Survey (APNA)

# D. Smokeless Tobacco Use: Youth

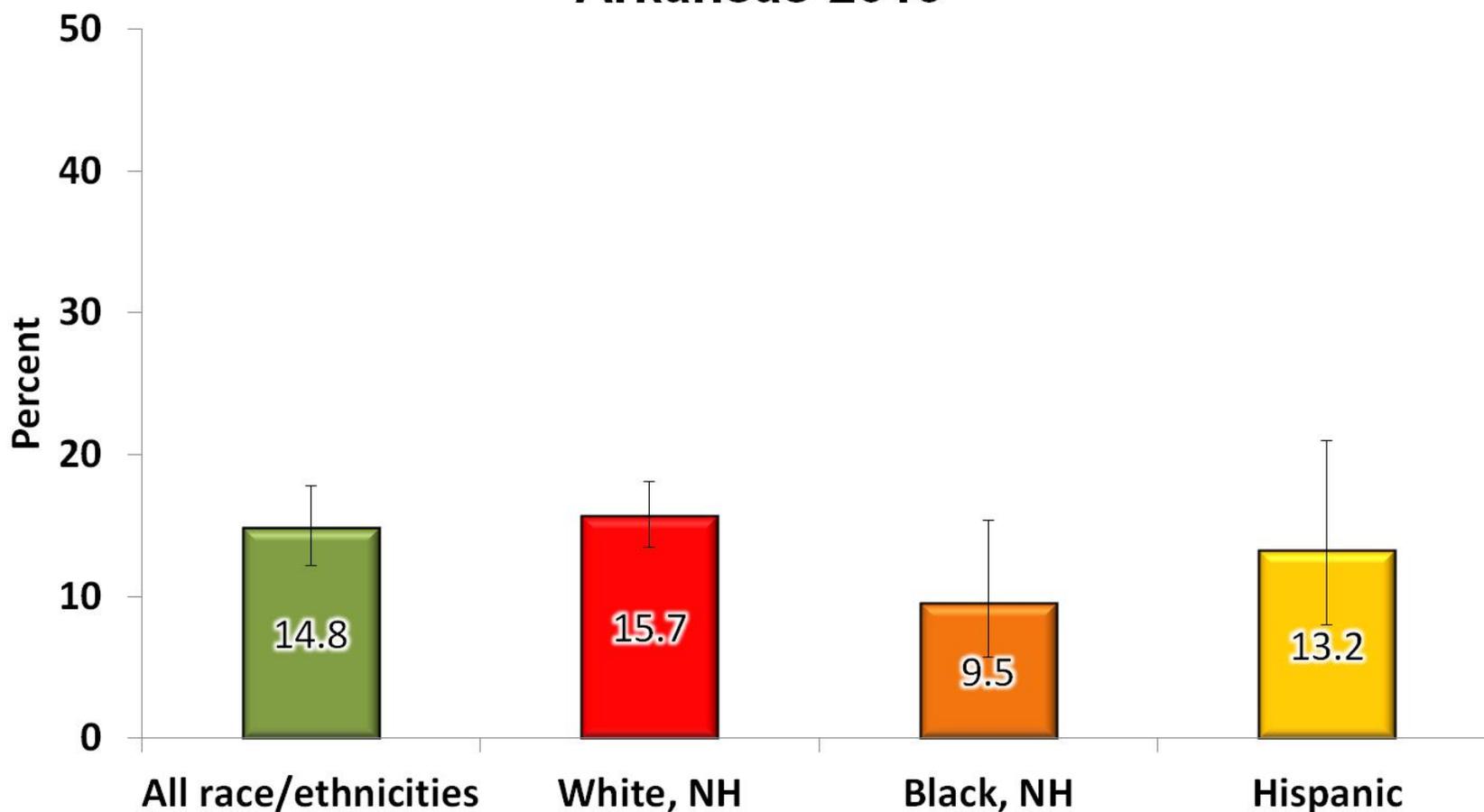
## Current Smokeless Tobacco Use among High School Students\* Arkansas 2005-2013



\*Students in grades 9-12 who report having used chewing tobacco, snuff, or dip on one or more days during the previous 30 days.

Source: Arkansas Youth Behavioral Risk Factor Surveillance System (YRBS)

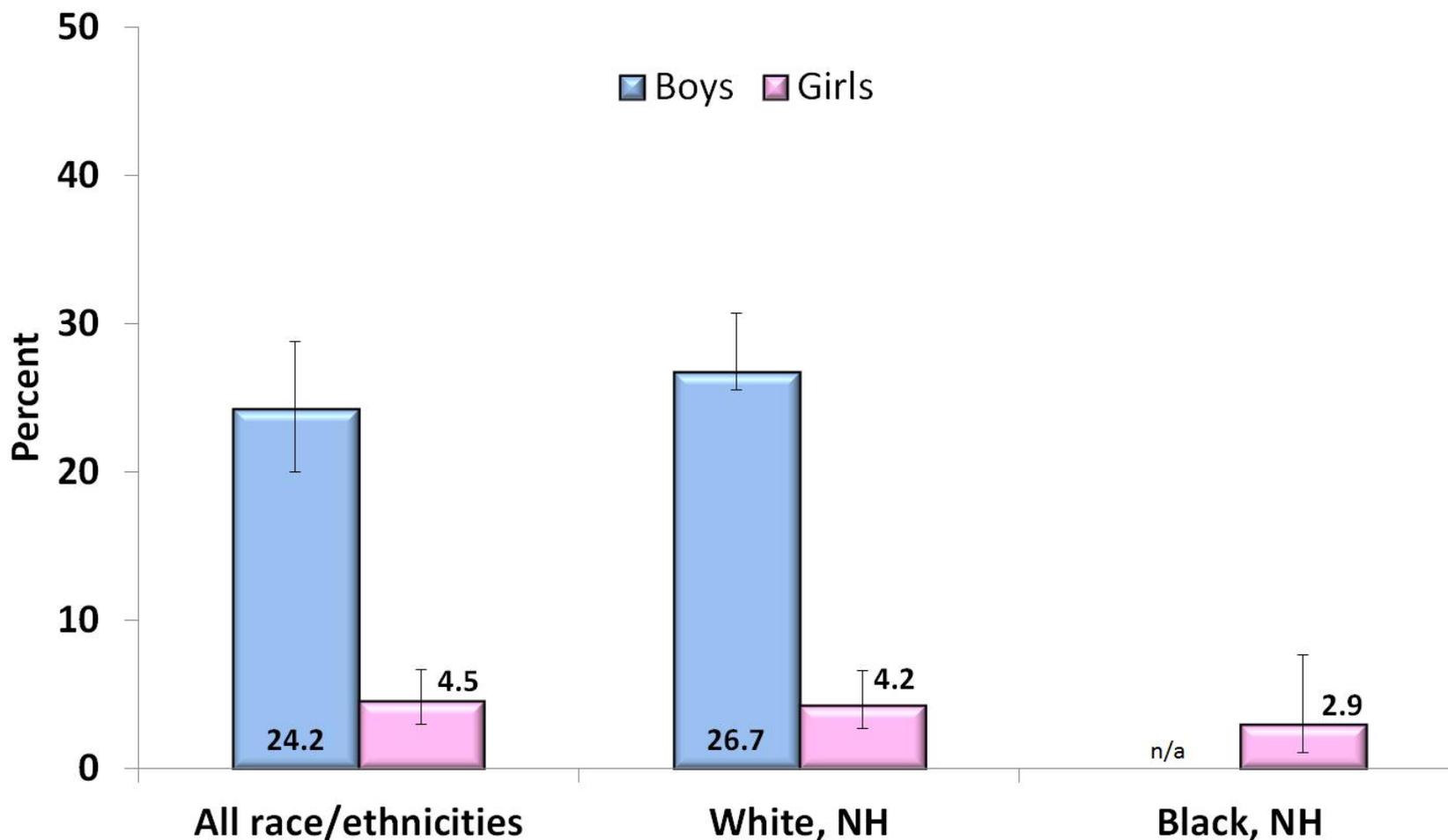
## Current Smokeless Tobacco Use among High School Students\* by Race/Ethnicity Arkansas 2013



\*Students in grades 9-12 who report having used chewing tobacco, snuff, or dip on one or more days during the previous 30 days.

Source: Arkansas Youth Behavioral Risk Factor Surveillance System (YRBS)

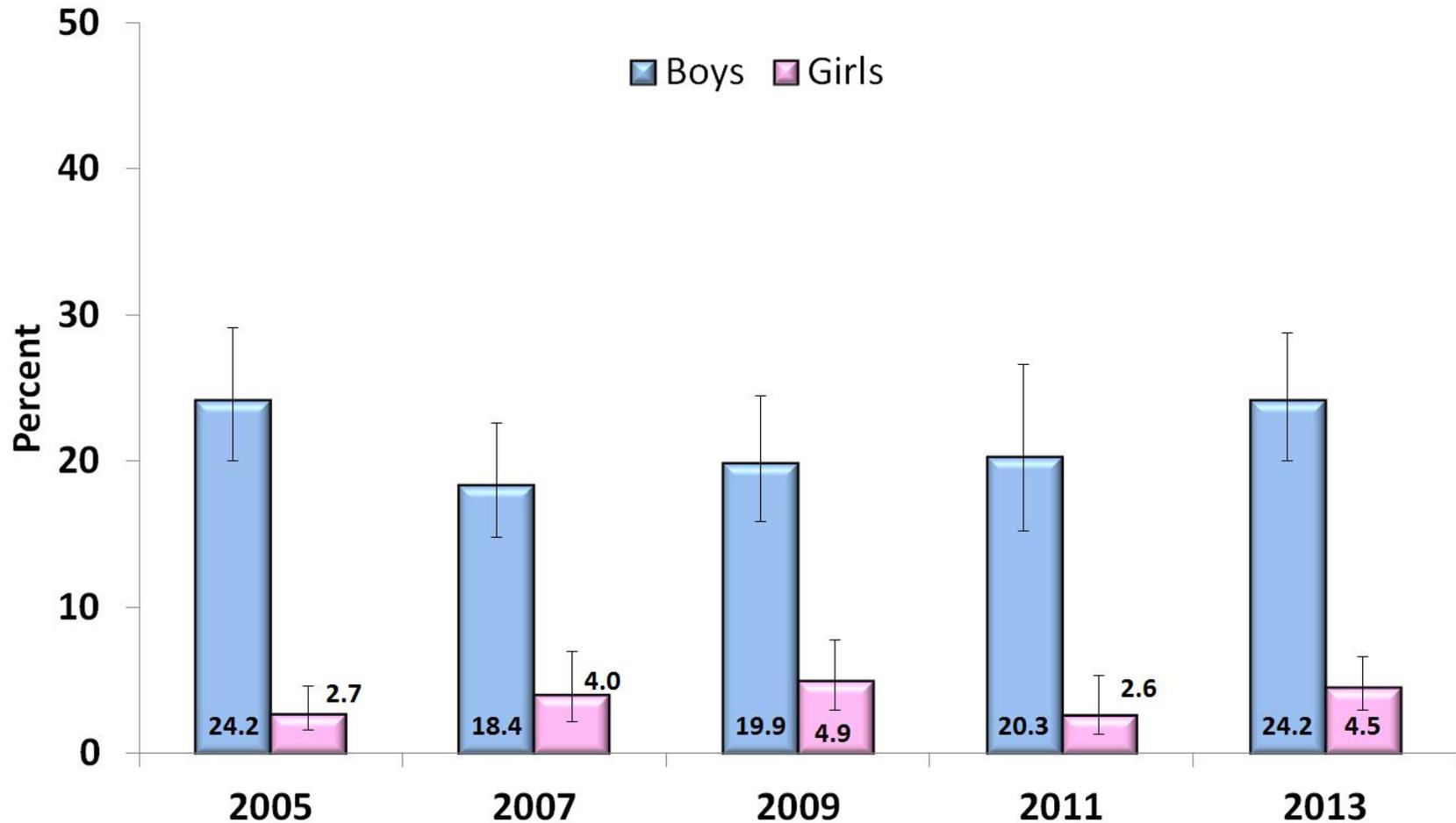
# Current Smokeless Use among High School Students\* by Race/Ethnicity and Gender Arkansas 2013



\*Students in grades 9-12 who report having used smokeless tobacco products on one or more days during the previous 30 days.

Source: Arkansas Youth Behavioral Risk Factor Surveillance System (YRBS)

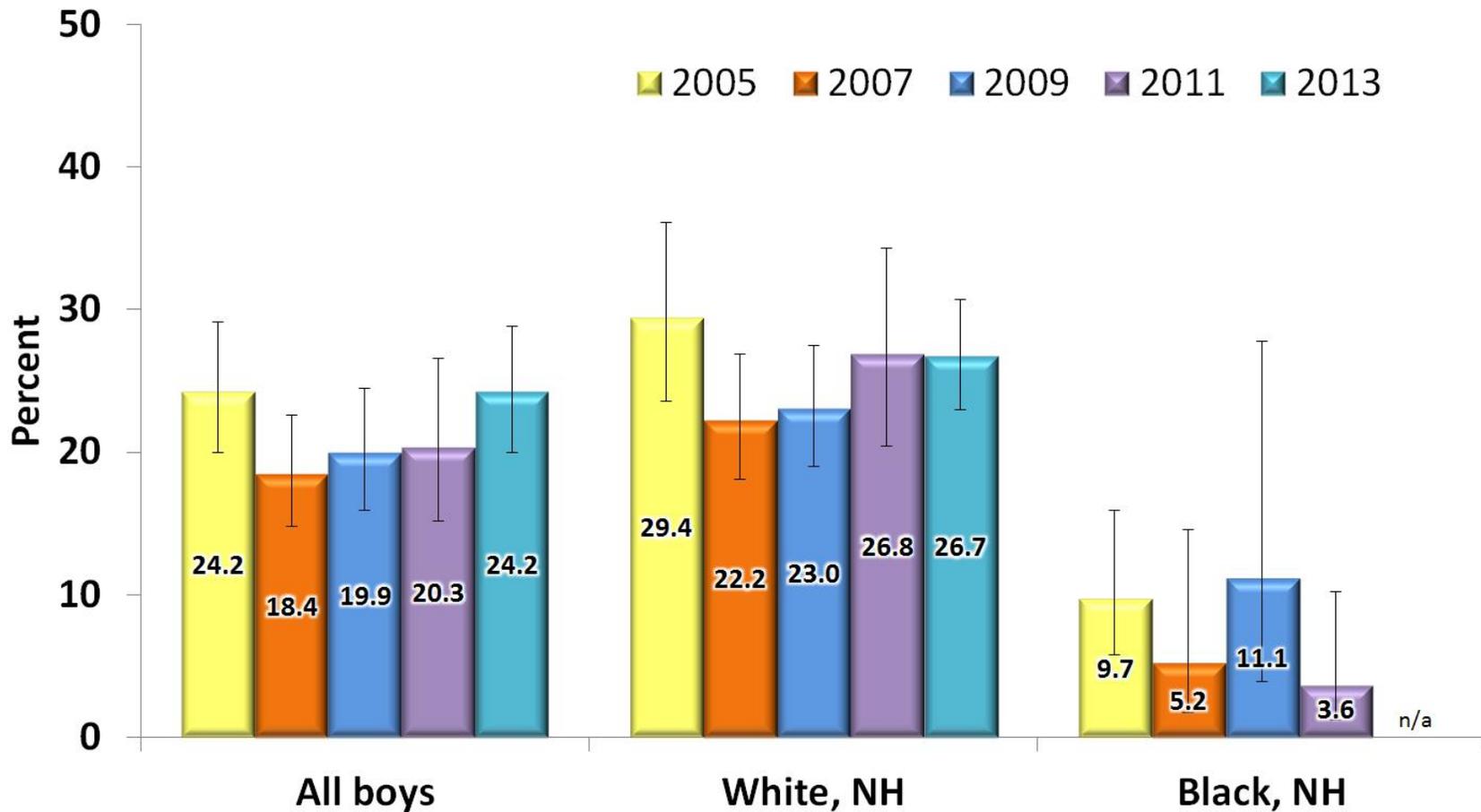
# Current Smokeless Use among High School Students\* by Gender Arkansas 2005-2013



\*Students in grades 9-12 who report having used smokeless tobacco products on one or more days during the previous 30 days.

Source: Arkansas Youth Behavioral Risk Factor Surveillance System (YRBS)

# Current Smokeless Tobacco Use among High School Boys\* by Race/Ethnicity Arkansas

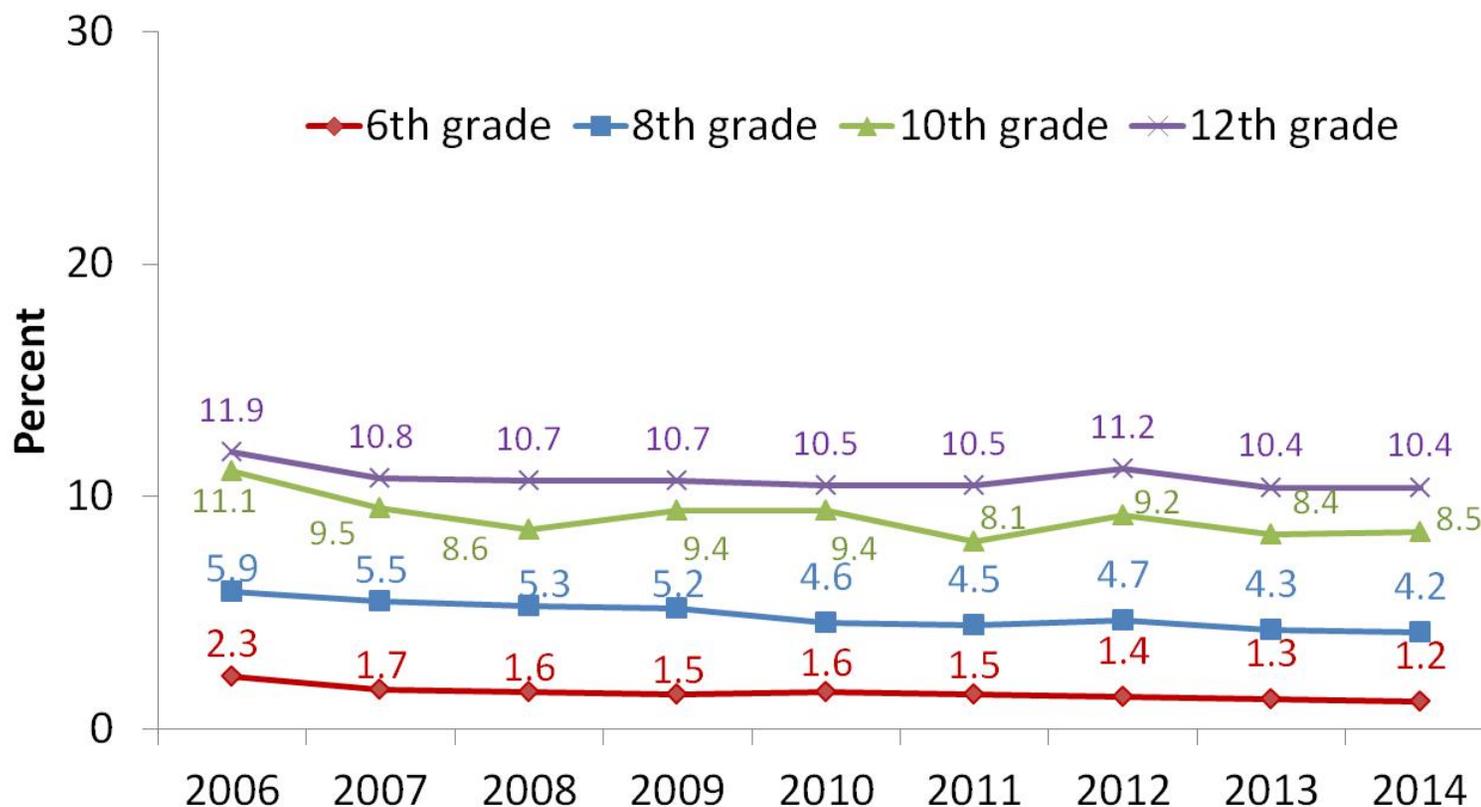


\*Male students in grades 9-12 who report having smoked cigarettes on one or more days during the previous 30 days

n/a = insufficient data

Source: Arkansas Youth Behavioral Risk Factor Surveillance System (YRBS)

# Current Smokeless Tobacco Use among Youth\*, by Grade Level Arkansas 2006-2014



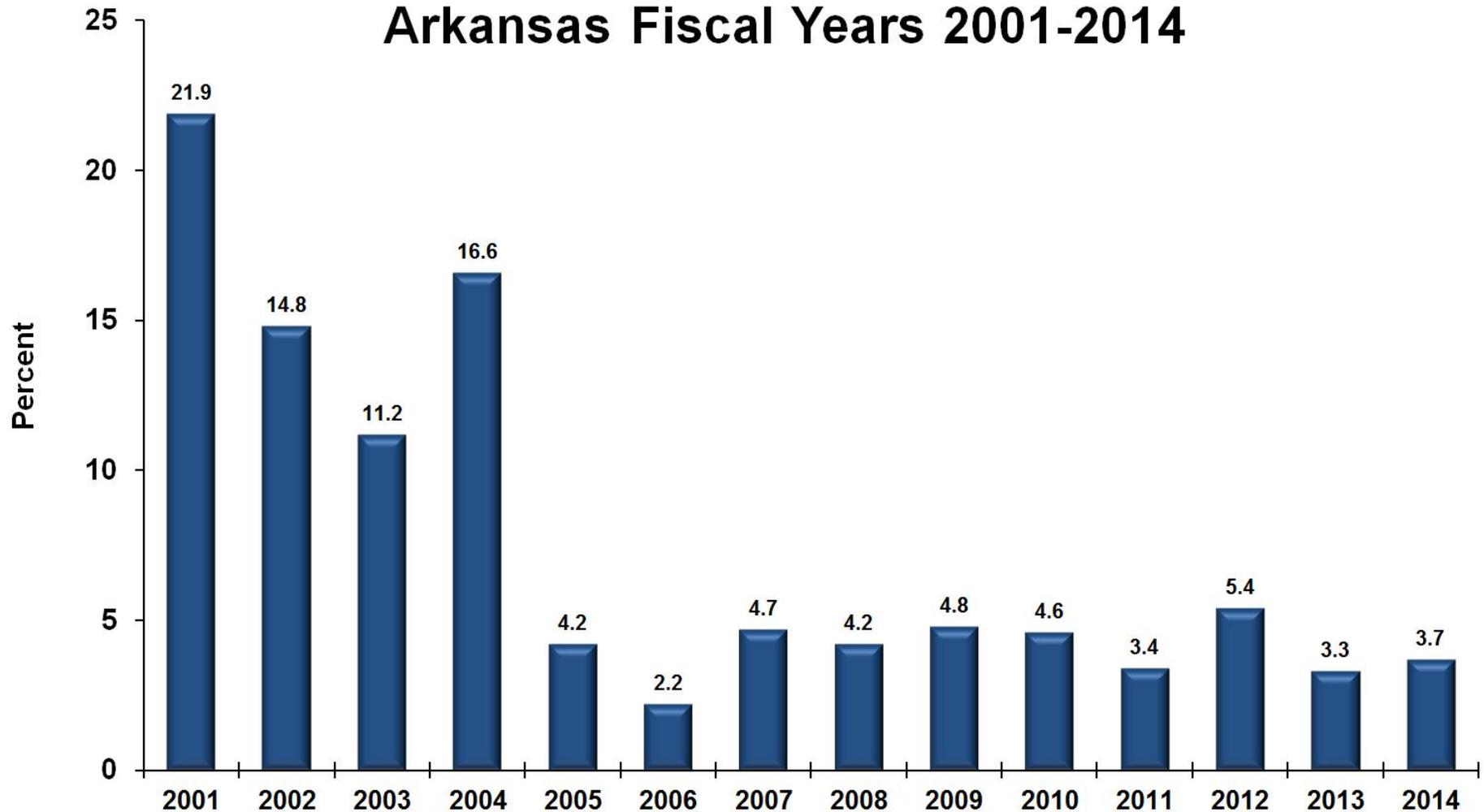
\*Students who reported having used smokeless tobacco products (chew, snuff, plug, dipping tobacco or chewing tobacco) during the previous 30 days.

APNA is a school-based survey of students in the 6<sup>th</sup>, 8<sup>th</sup>, 10<sup>th</sup>, and 12<sup>th</sup> grades.

Source: Arkansas Prevention Needs Assessment Survey (APNA)

# **E. Cigarette Sales to Minors Compliance Checks**

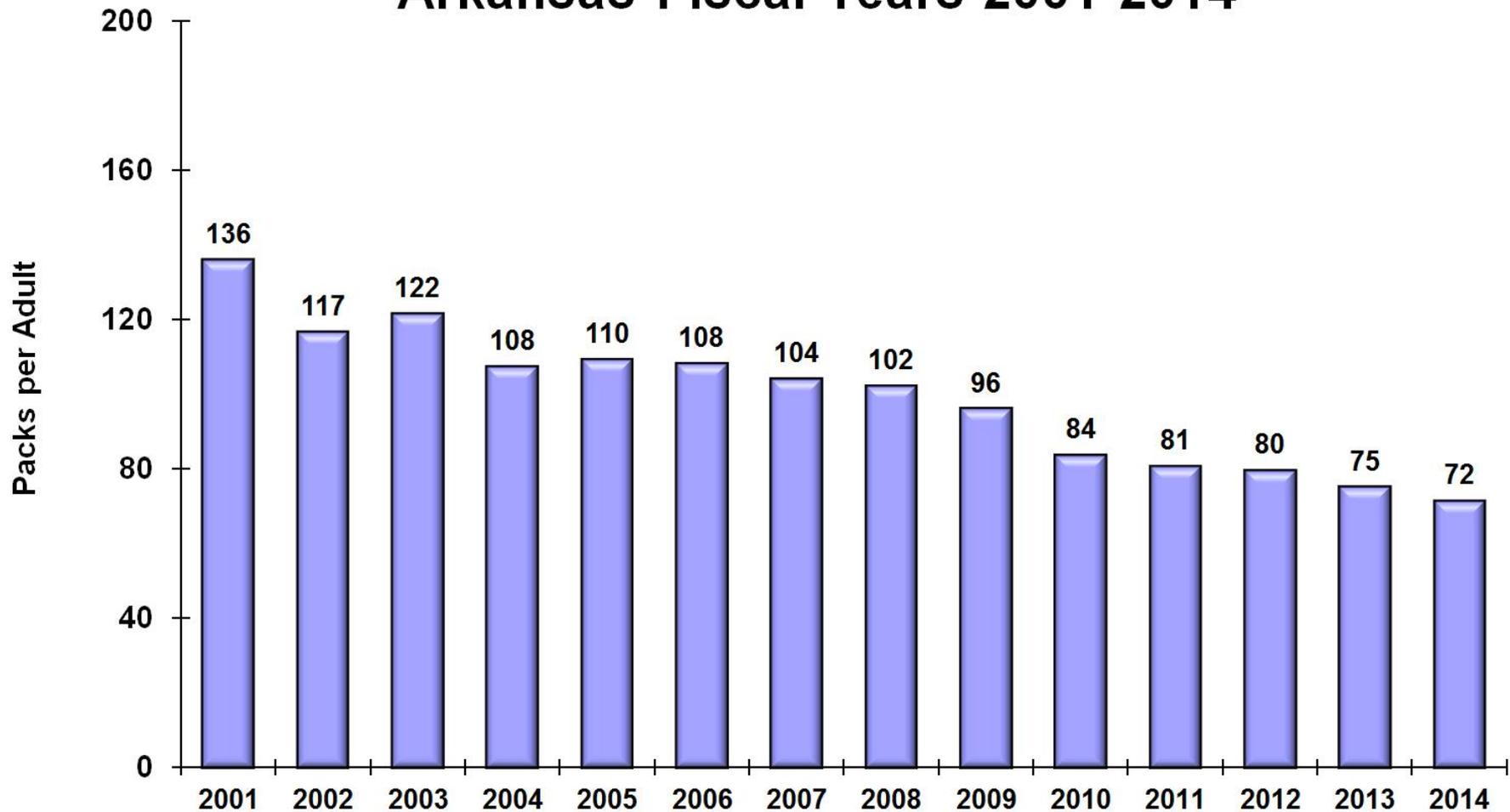
# Successful Youth Attempts to Purchase Tobacco from Retail Sources Arkansas Fiscal Years 2001-2014



Source: U.S. Department of Health and Human Services, Substance Abuse and Mental Health Services Administration (SAMSHA) Compliance Checks Synar Survey

# **F. Cigarette Consumption and Revenues from Excise Taxes**

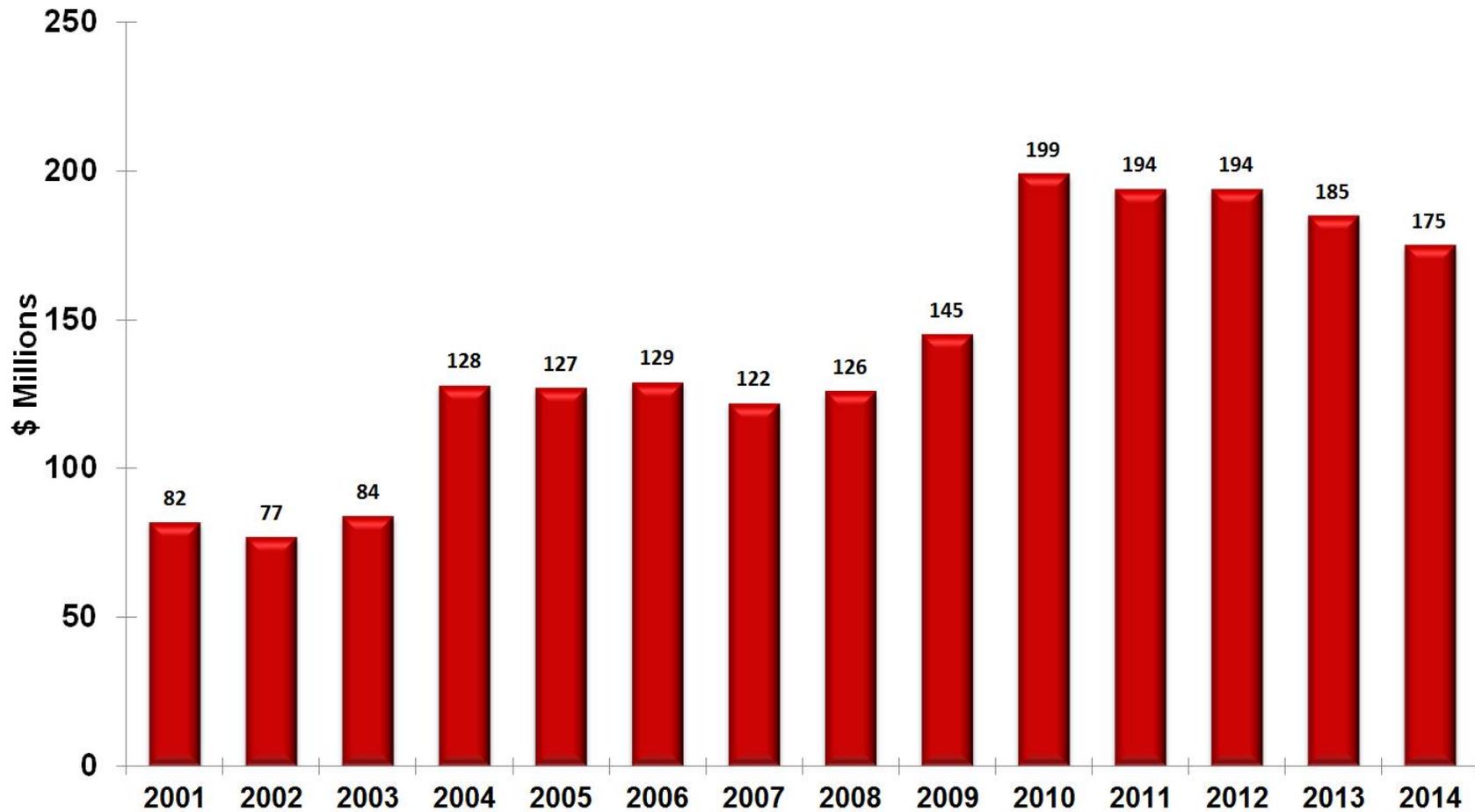
# Per Capita Cigarette Consumption Number of Cigarette Packs Sold per Adult Arkansas Fiscal Years 2001-2014



Per capita is calculated as the (number of packs sold) / (state adult population)

Sources: Orzechowski & Walker, The Tax Burden on Tobacco: Historical Compilation 2014 & U.S. Census Bureau

# Cigarette Excise Tax Collections Arkansas Fiscal Years 2001-2014



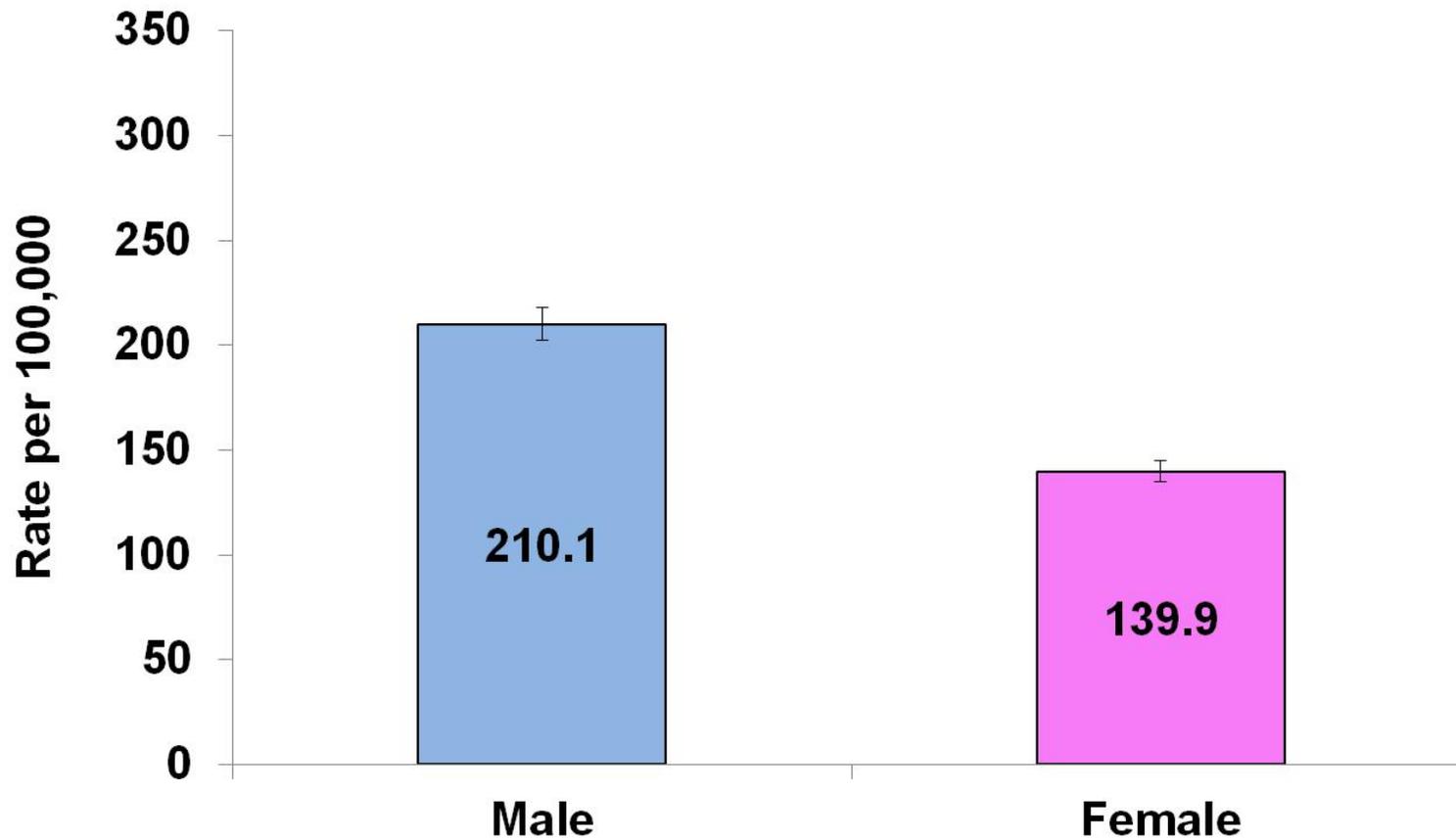
Sources: Orzechowski & Walker, *The Tax Burden on Tobacco: Historical Compilation 2014*

# **SECTION II**

## **Impact of Tobacco Use: Heart Disease and Stroke**

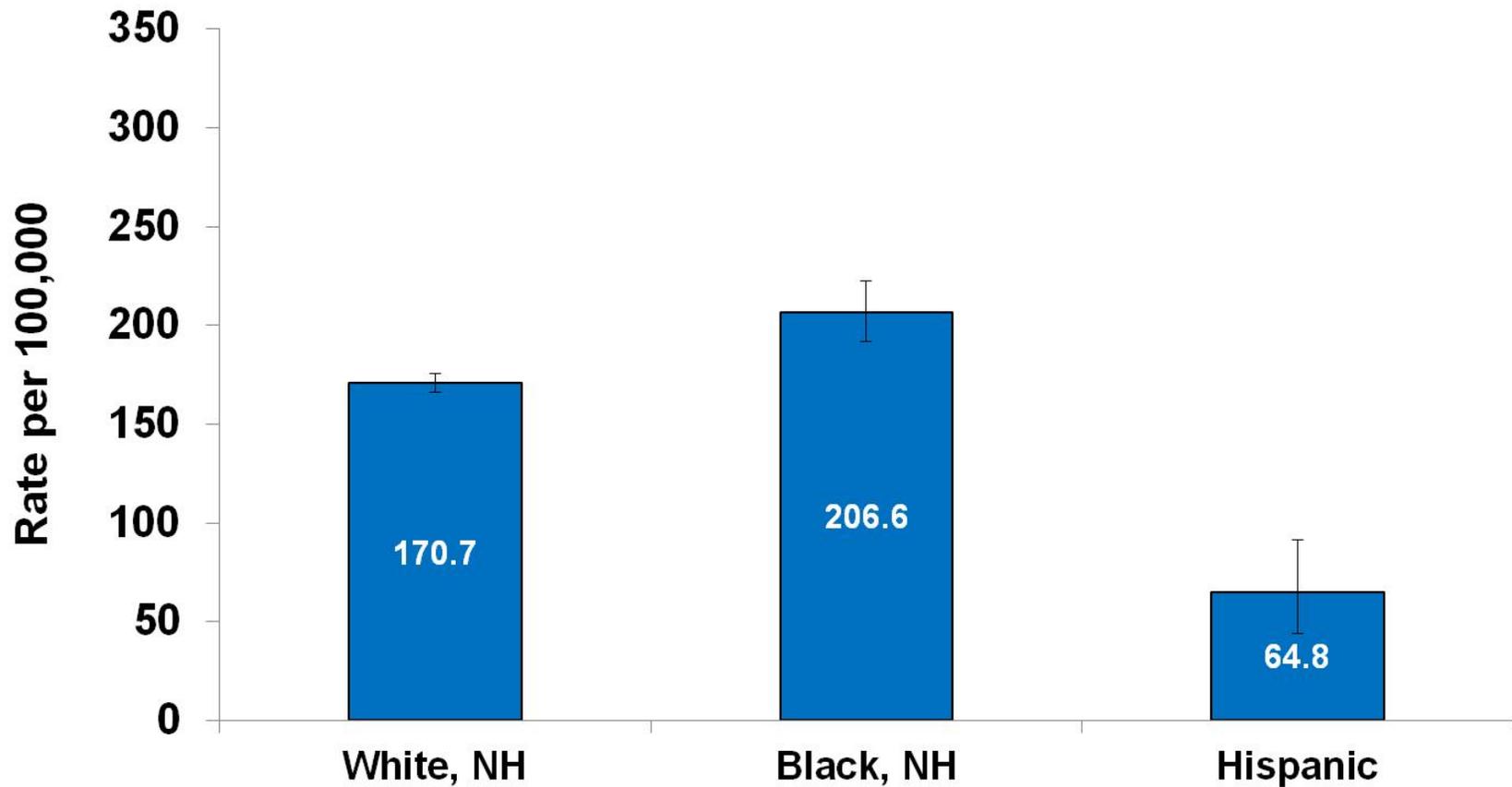
# A. Heart Disease Mortality

# Age-Adjusted Heart Disease Mortality Rate by Gender Arkansas 2013



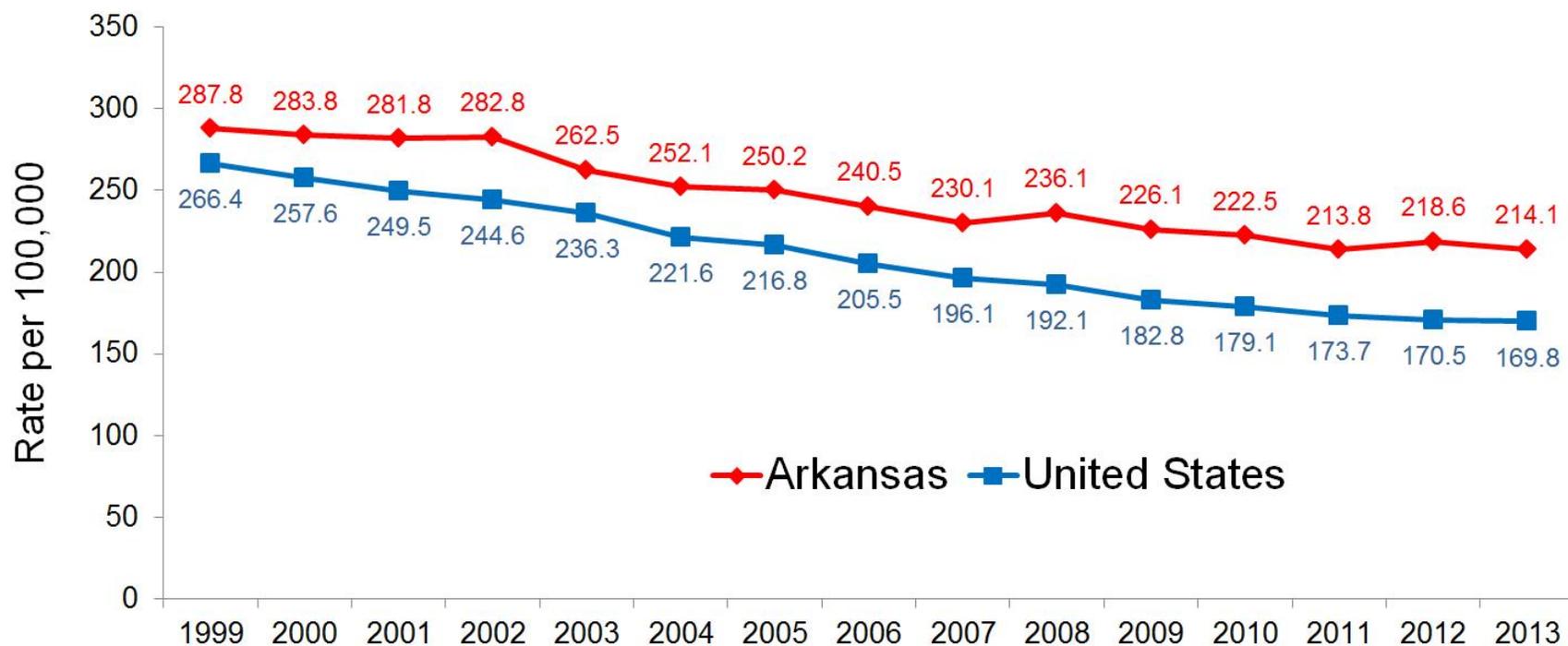
Source: Health Statistics Branch Data Query System (Provisional Data)

# Age-Adjusted Heart Disease Mortality Rate by Race/Ethnicity Arkansas 2013



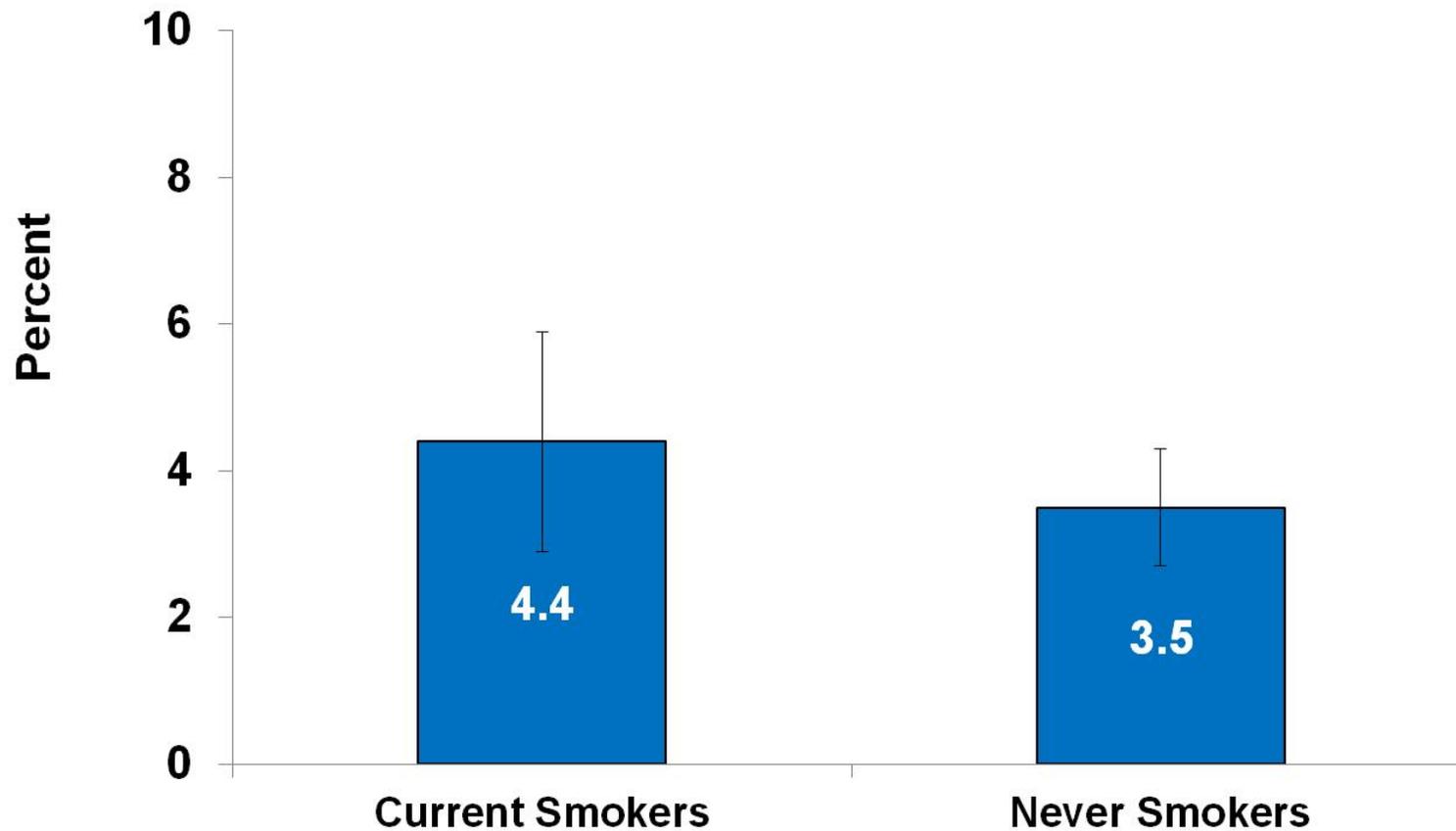
Source: Health Statistics Branch Data Query System (Provisional Data)

## Age-Adjusted Heart Disease Mortality Arkansas and U.S. 1999-2013



Source: CDC Wonder

# Prevalence of Coronary Heart Disease by Smoking Status Arkansas 2013

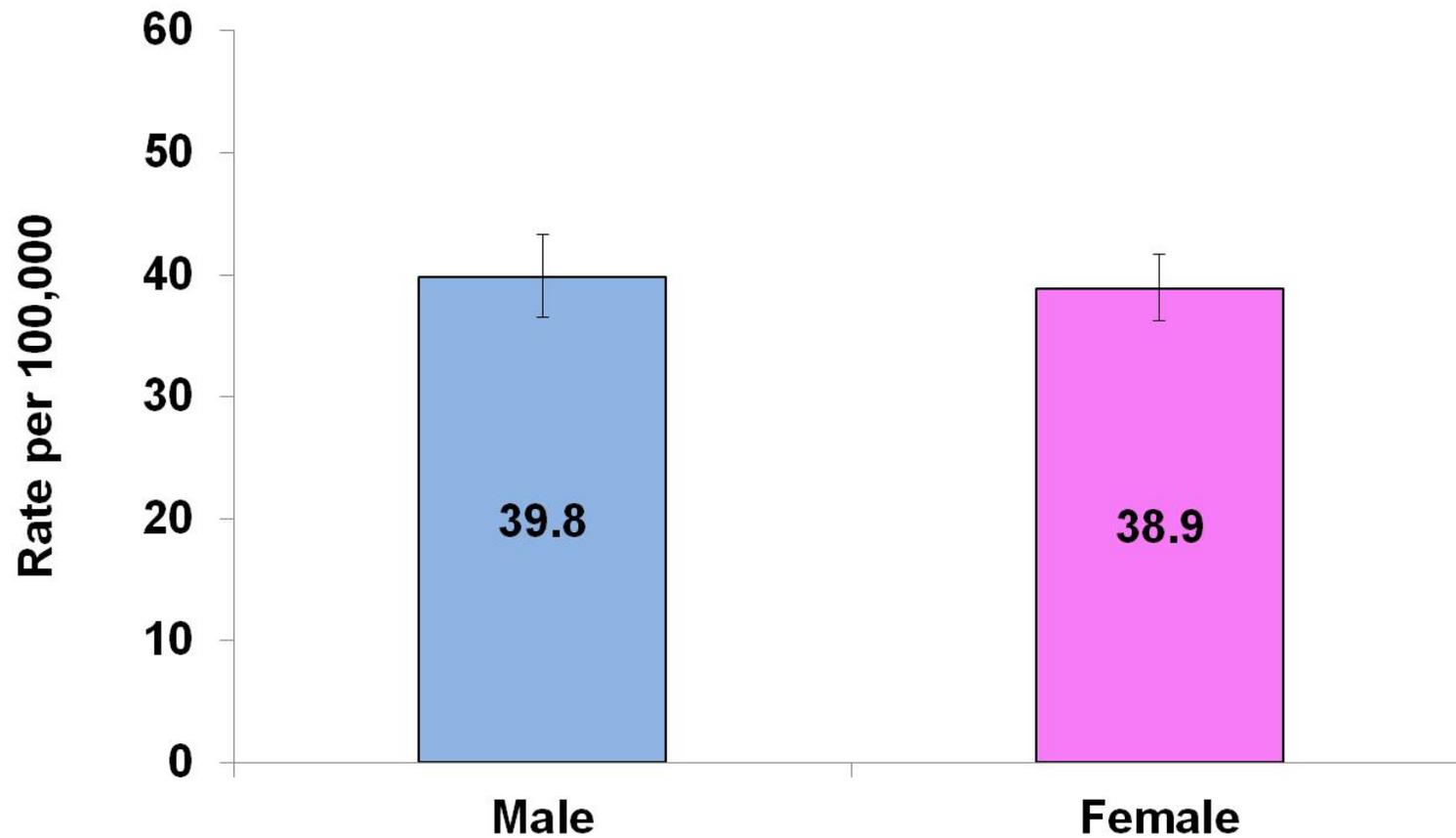


Question: Have you ever been told by a doctor or other health care professional that you have angina or coronary heart disease?

Source: Behavioral Risk Factor Surveillance System (BRFSS)

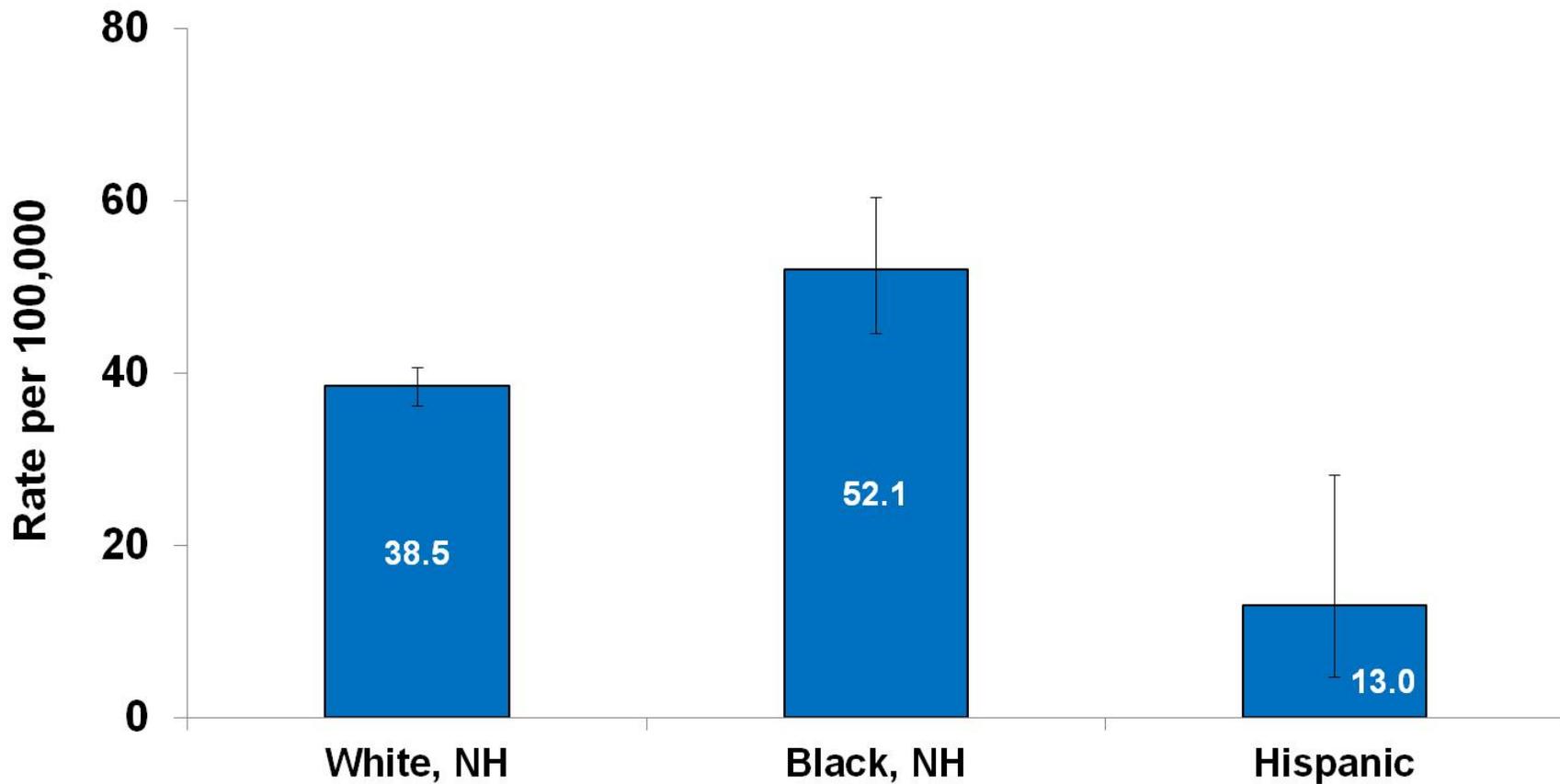
## **B. Cerebrovascular (Stroke) Mortality**

# Age-Adjusted Cerebrovascular Disease Mortality Rate by Gender Arkansas 2013



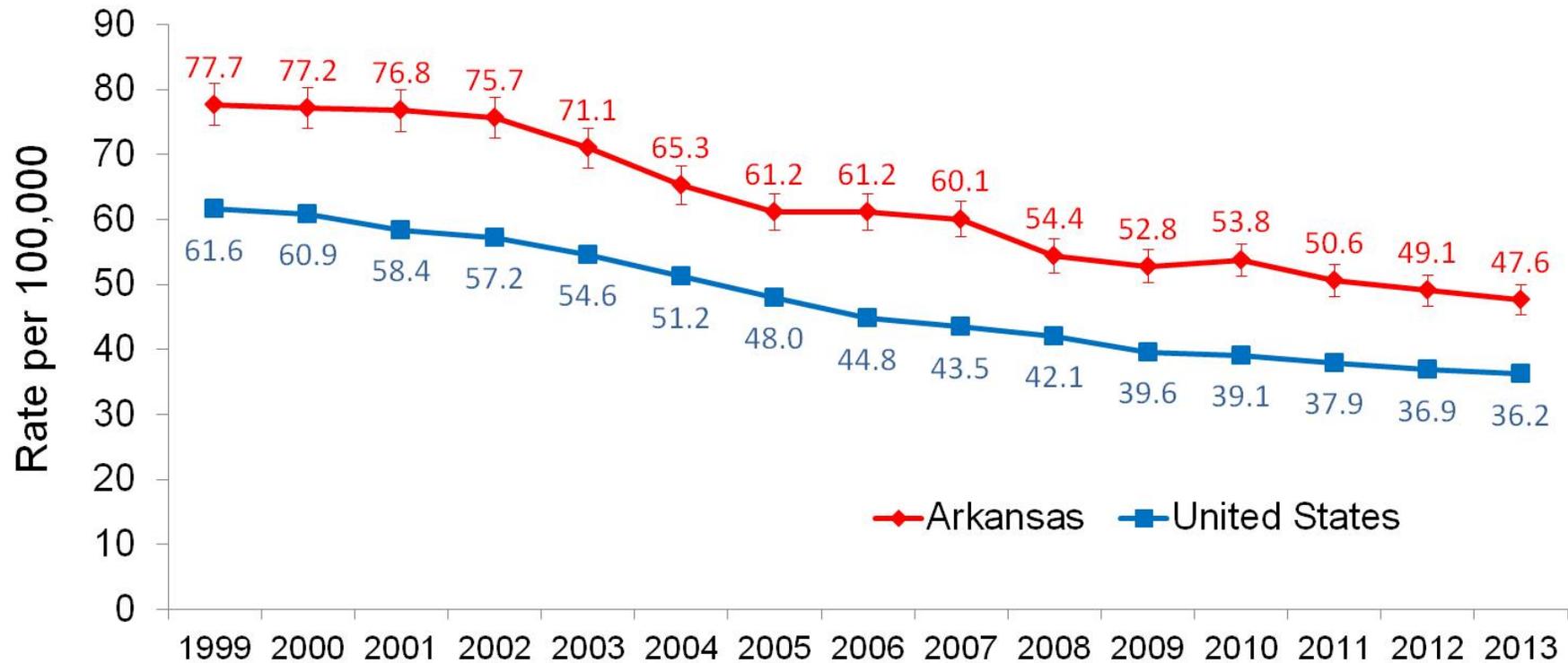
Source: Health Statistics Branch Data Query System (Provisional Data)

# Age-Adjusted Cerebrovascular Disease Mortality Rate by Race/Ethnicity Arkansas 2013



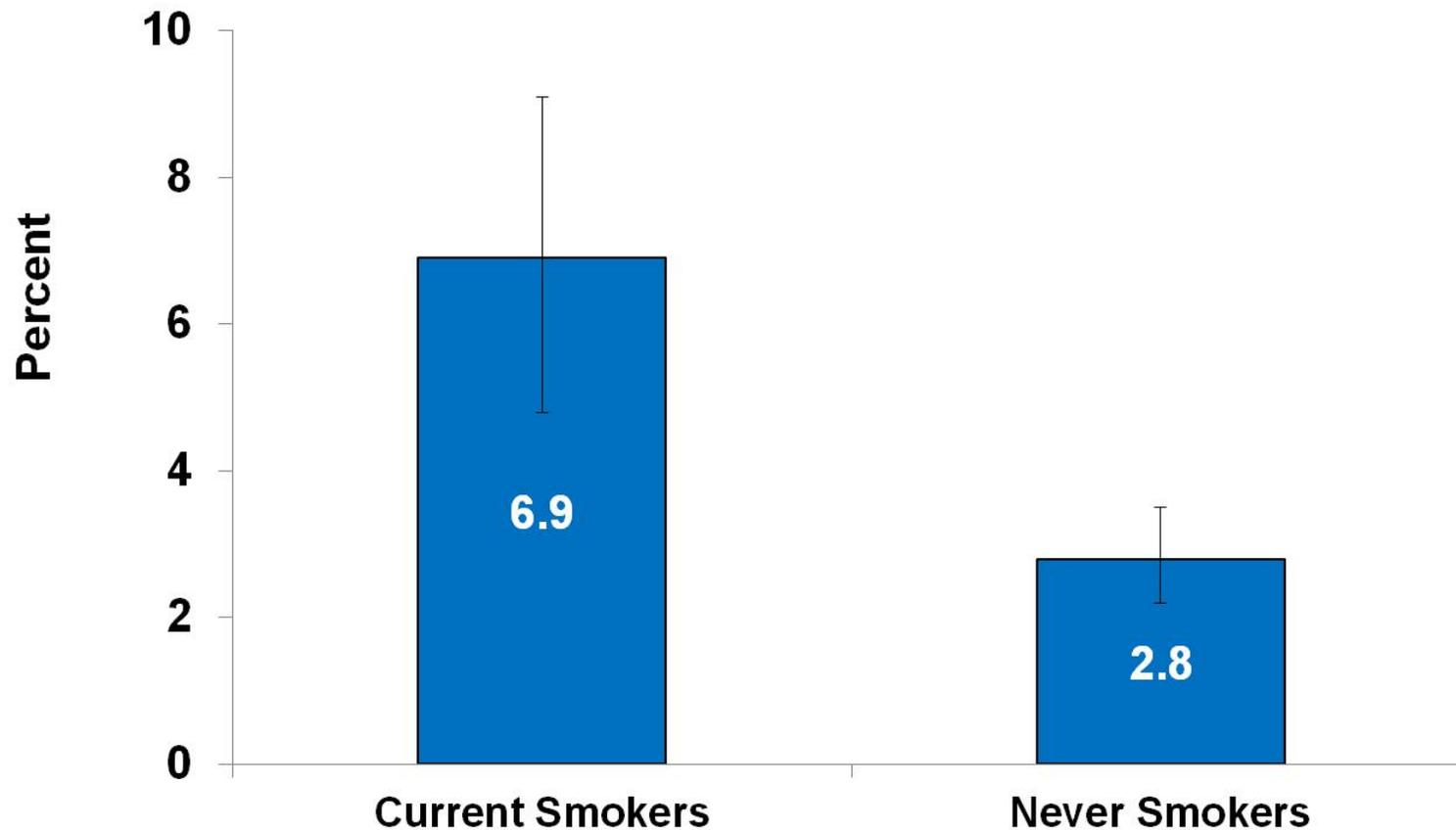
Source: Health Statistics Branch Data Query System (Provisional Data)

# Age-Adjusted Cerebrovascular Disease Mortality Arkansas and U.S. 1999-2013



Source: CDC Wonder

# Prevalence of Cerebrovascular Disease (Stroke) by Smoking Status Arkansas 2013

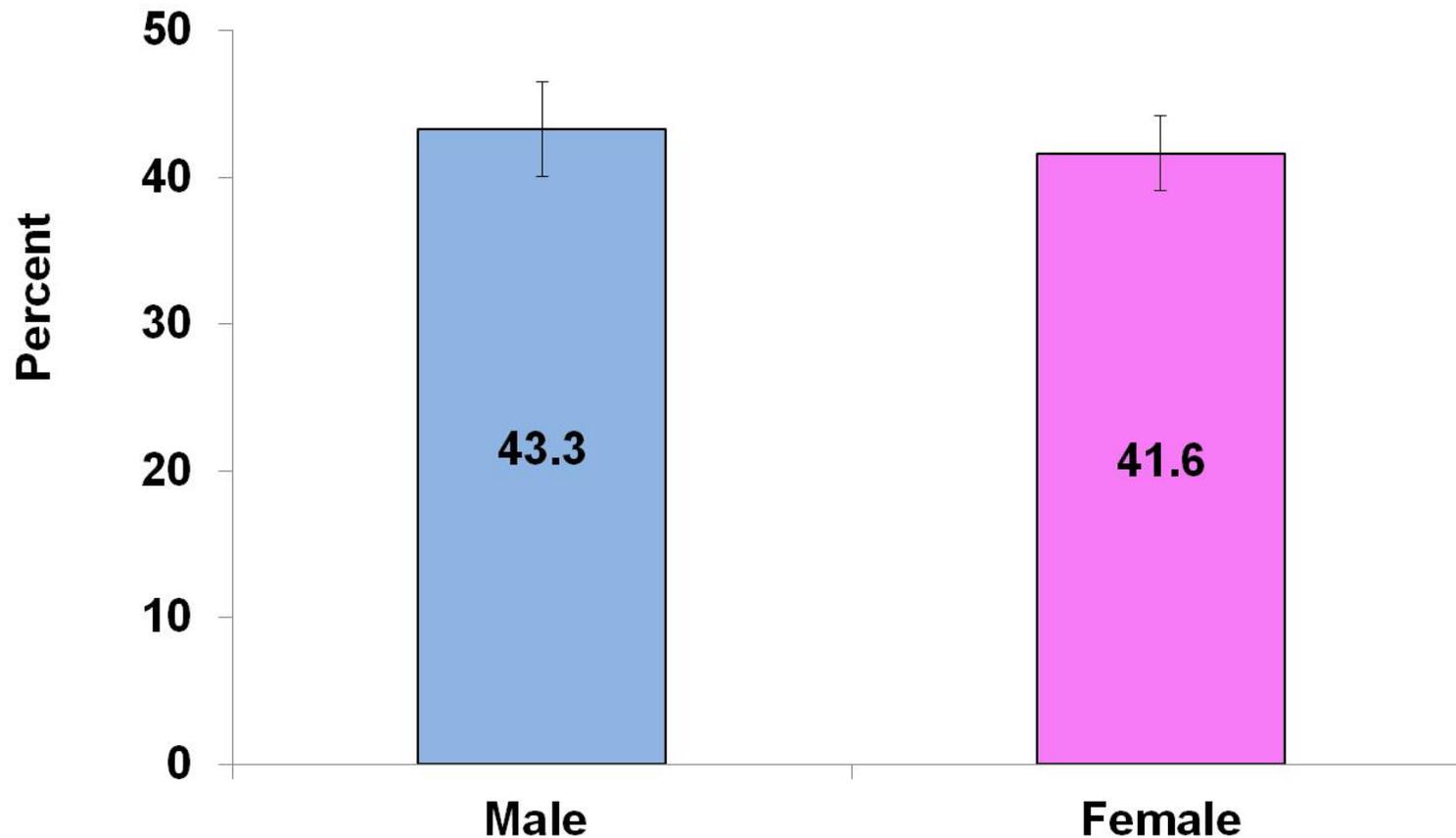


Source: Behavioral Risk Factor Surveillance System (BRFSS)

Question: Have you ever been told by a doctor or other health care professional that you have had a stroke?

# C. High Blood Cholesterol

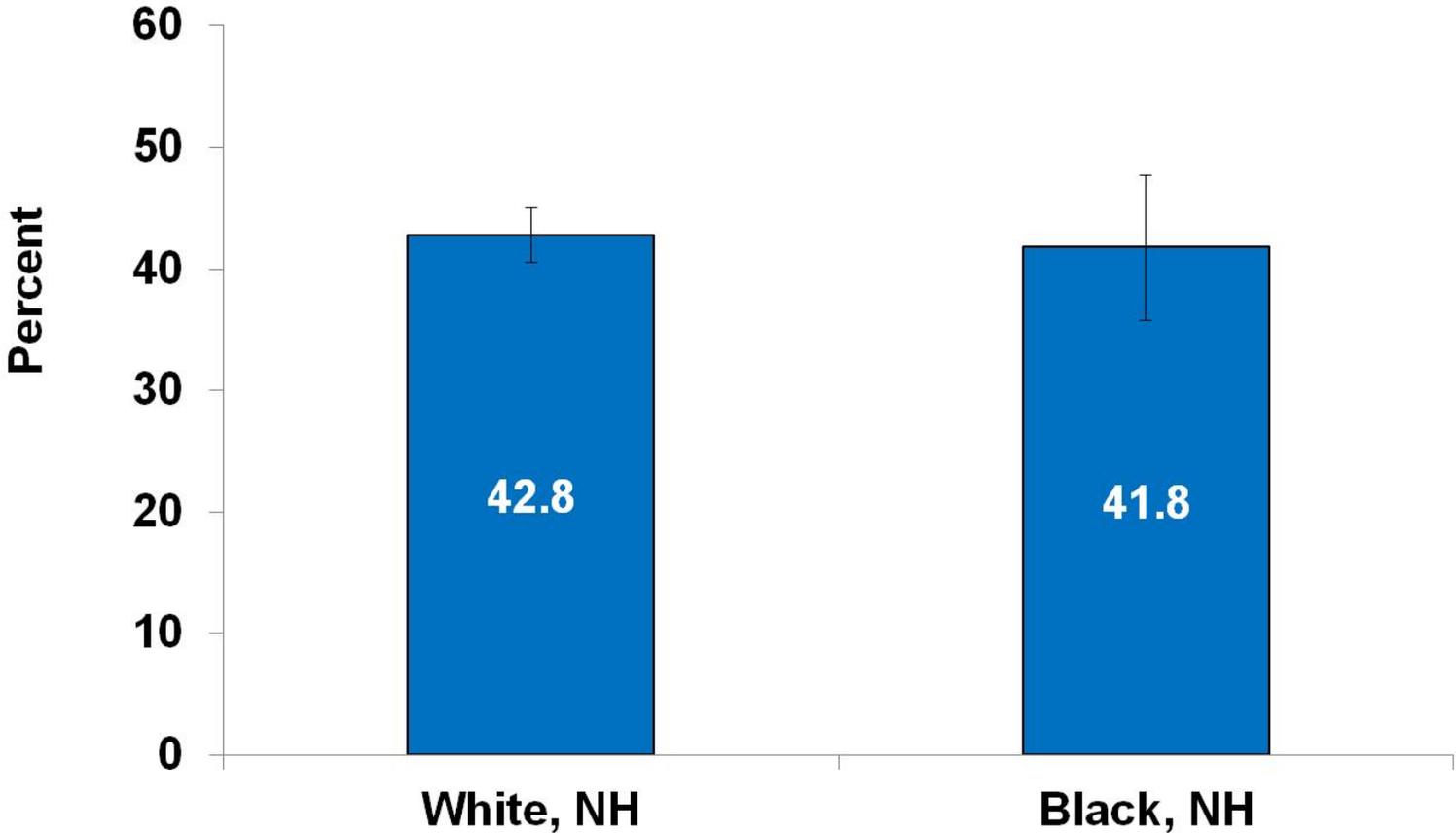
# Prevalence of High Blood Cholesterol by Gender Arkansas 2013



Source: Behavioral Risk Factor Surveillance System (BRFSS)

Question: Have you ever been told by a doctor or other health care professional that your blood cholesterol was high?

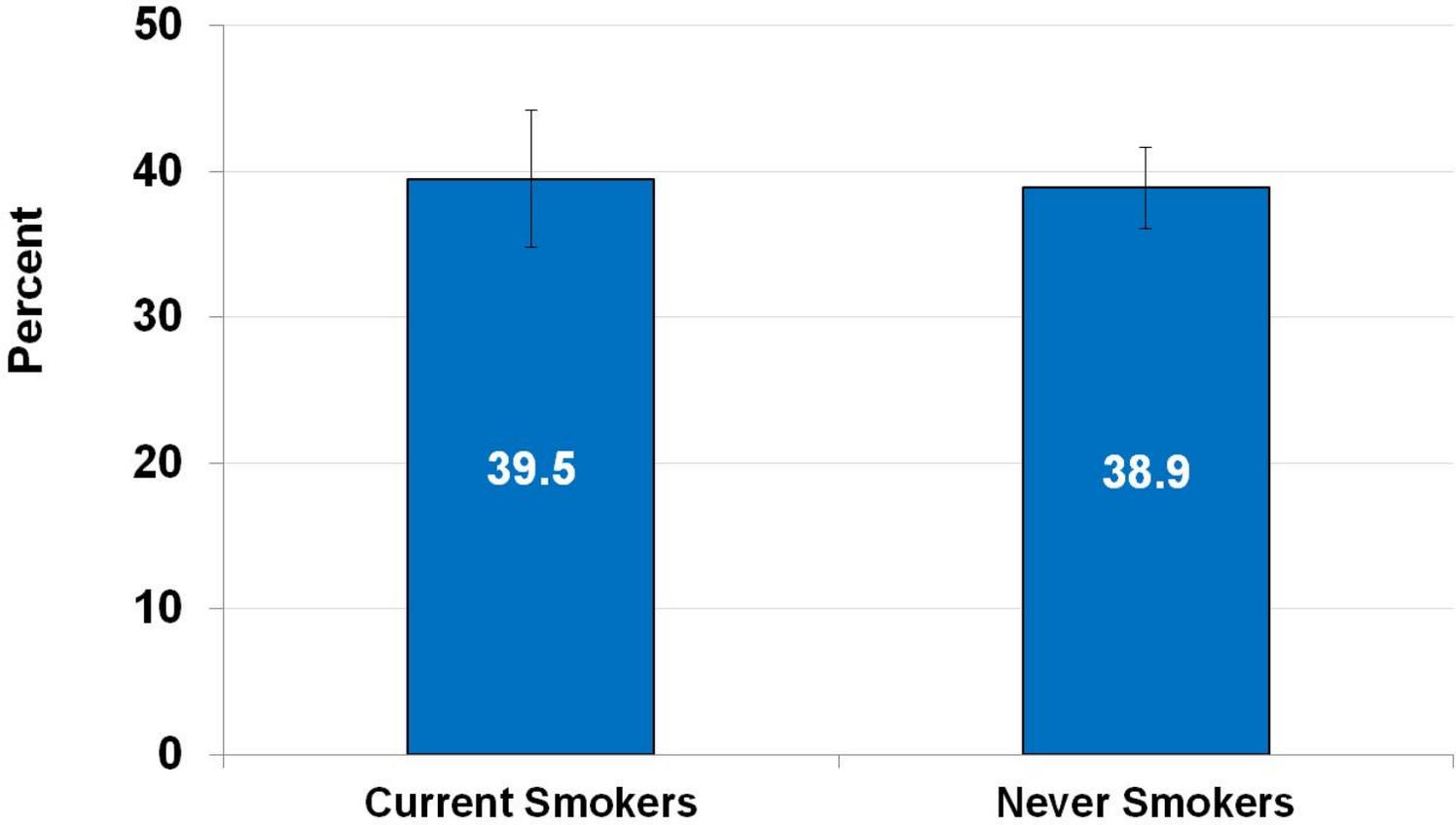
# Prevalence of High Blood Cholesterol by Race Arkansas 2013



Source: Behavioral Risk Factor Surveillance System (BRFSS)

Question: Have you ever been told by a doctor or other health care professional that your blood cholesterol was high?

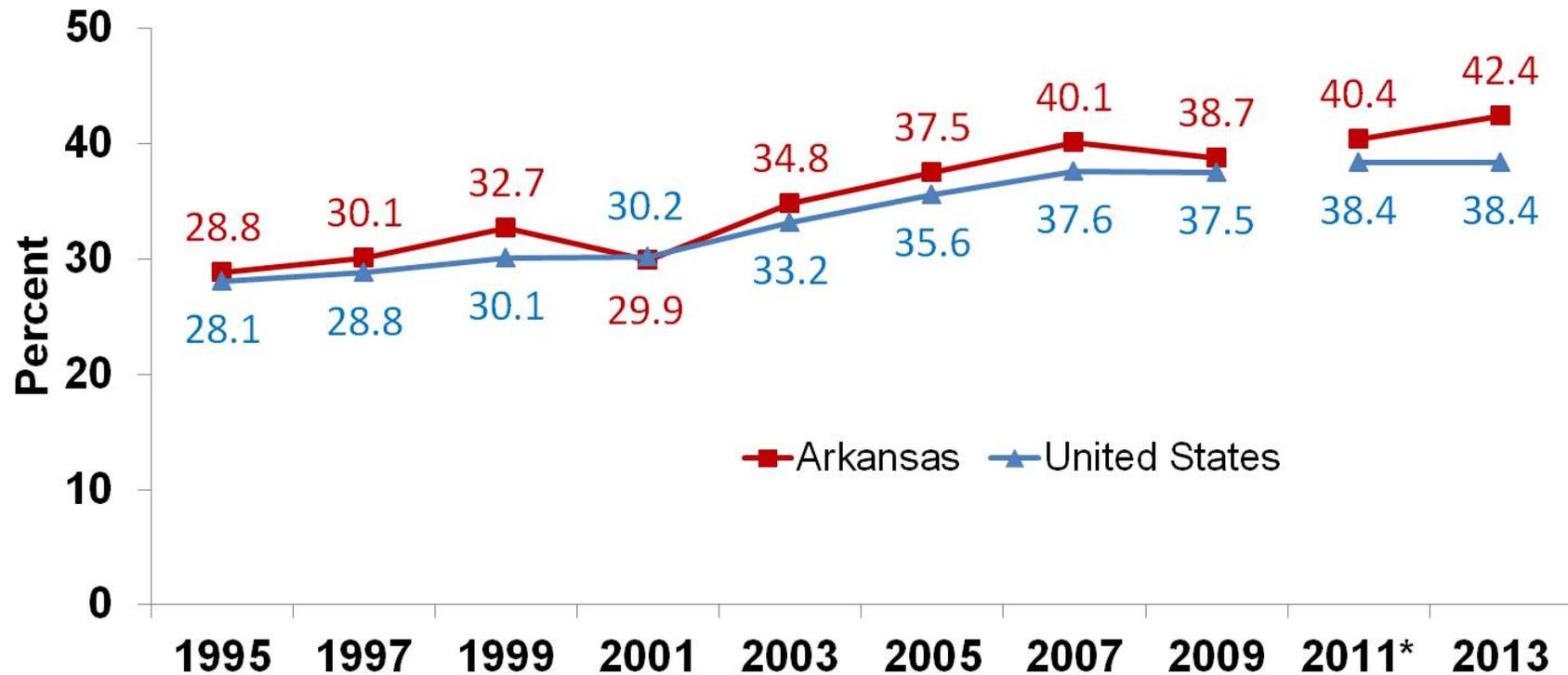
# Prevalence of High Blood Cholesterol by Smoking Status Arkansas 2013



Source: Behavioral Risk Factor Surveillance System (BRFSS)

Question: Have you ever been told by a doctor or other health care professional that your blood cholesterol was high?

## Prevalence of High Blood Cholesterol Arkansas and U.S., 1995-2013



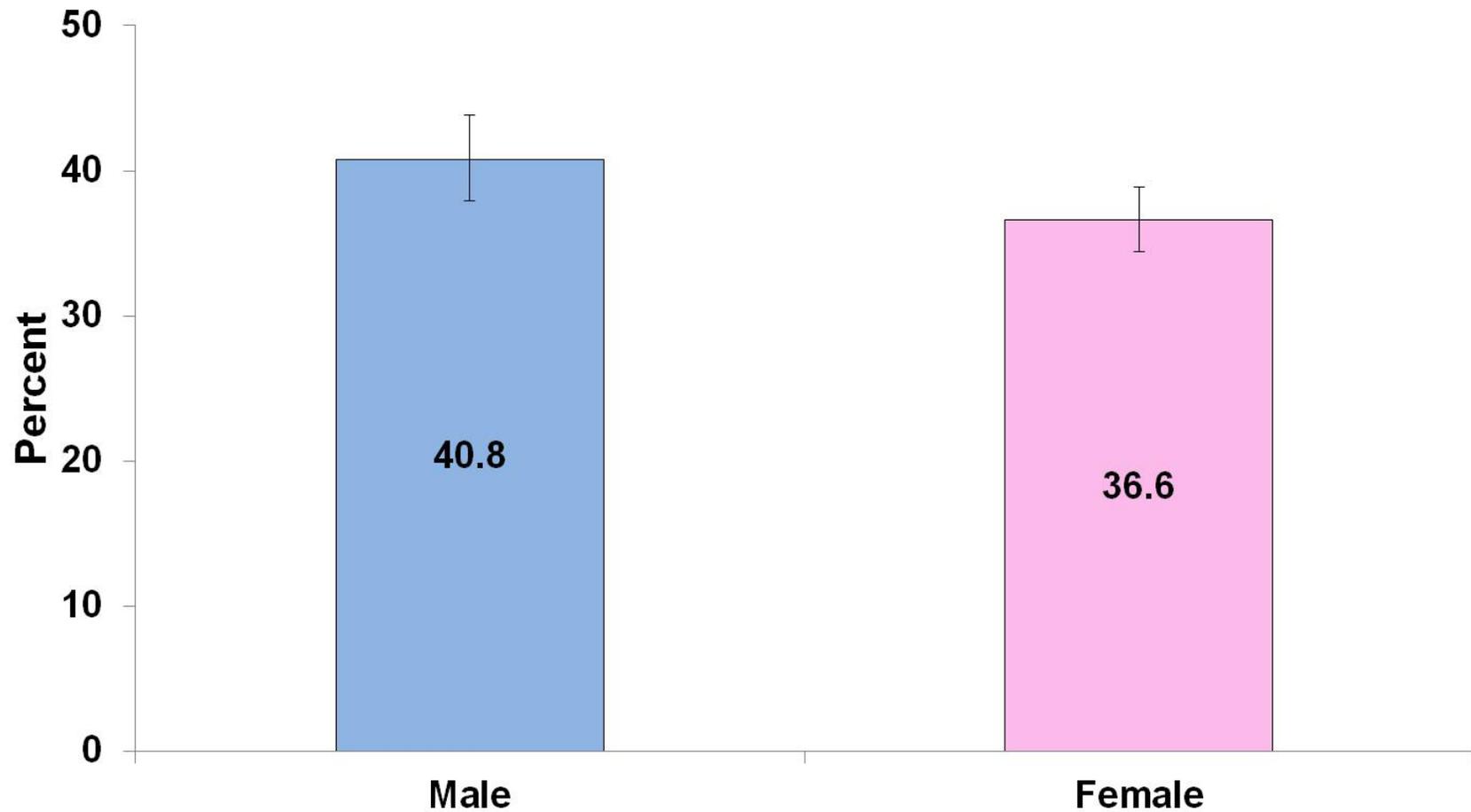
\*In 2011 BRFSS had substantial methodological changes; 2011 and subsequent years are not comparable to previous years.

Source: Behavioral Risk Factor Surveillance System (BRFSS)

Question: Have you ever been told by a doctor or other health care professional that your blood cholesterol was high?

# **D. Hypertension (High Blood Pressure)**

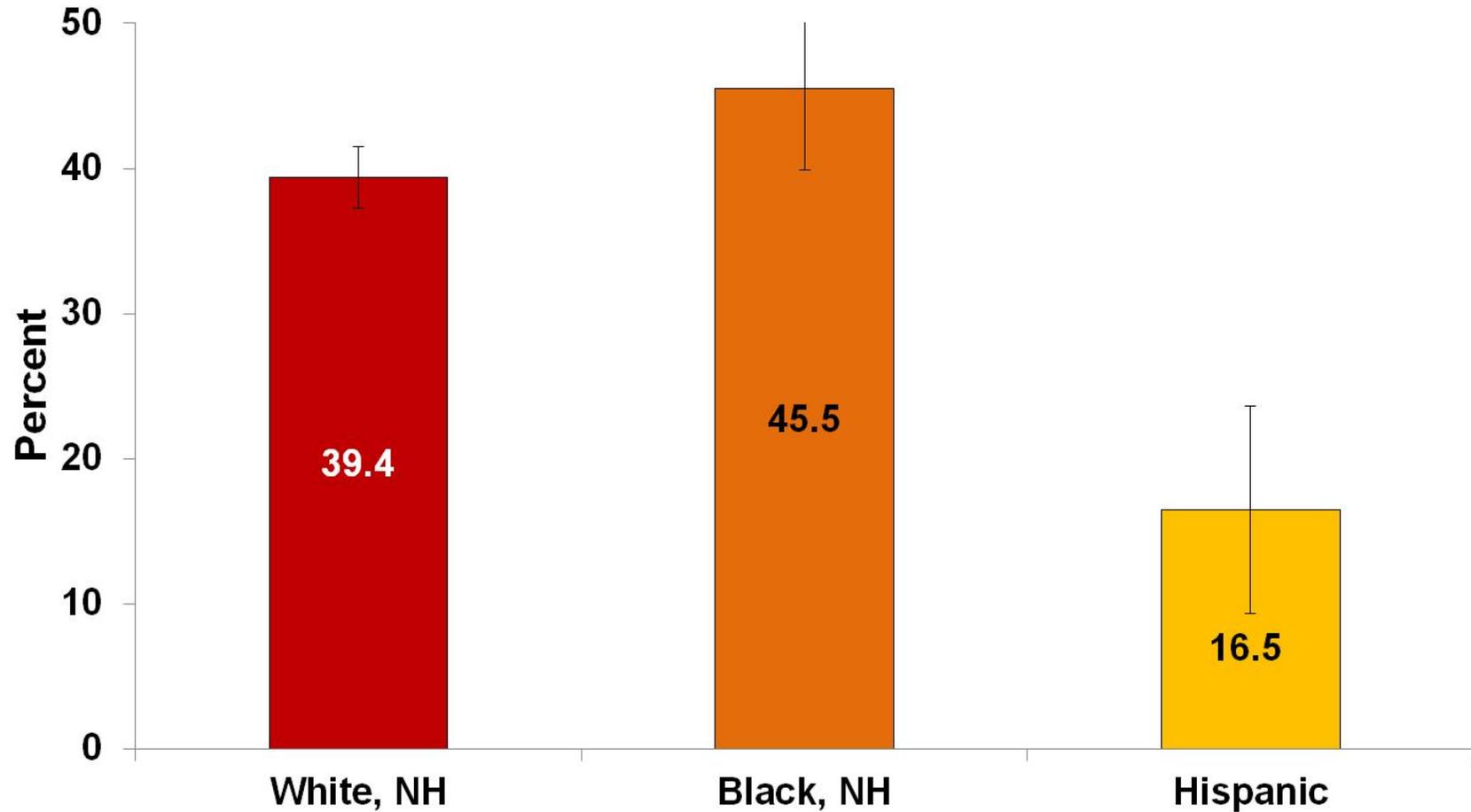
# Prevalence of High Blood Pressure by Gender Arkansas 2013



Source: Behavioral Risk Factor Surveillance System (BRFSS)

Question: Have you ever been told by a doctor or other health care professional that you have high blood pressure?

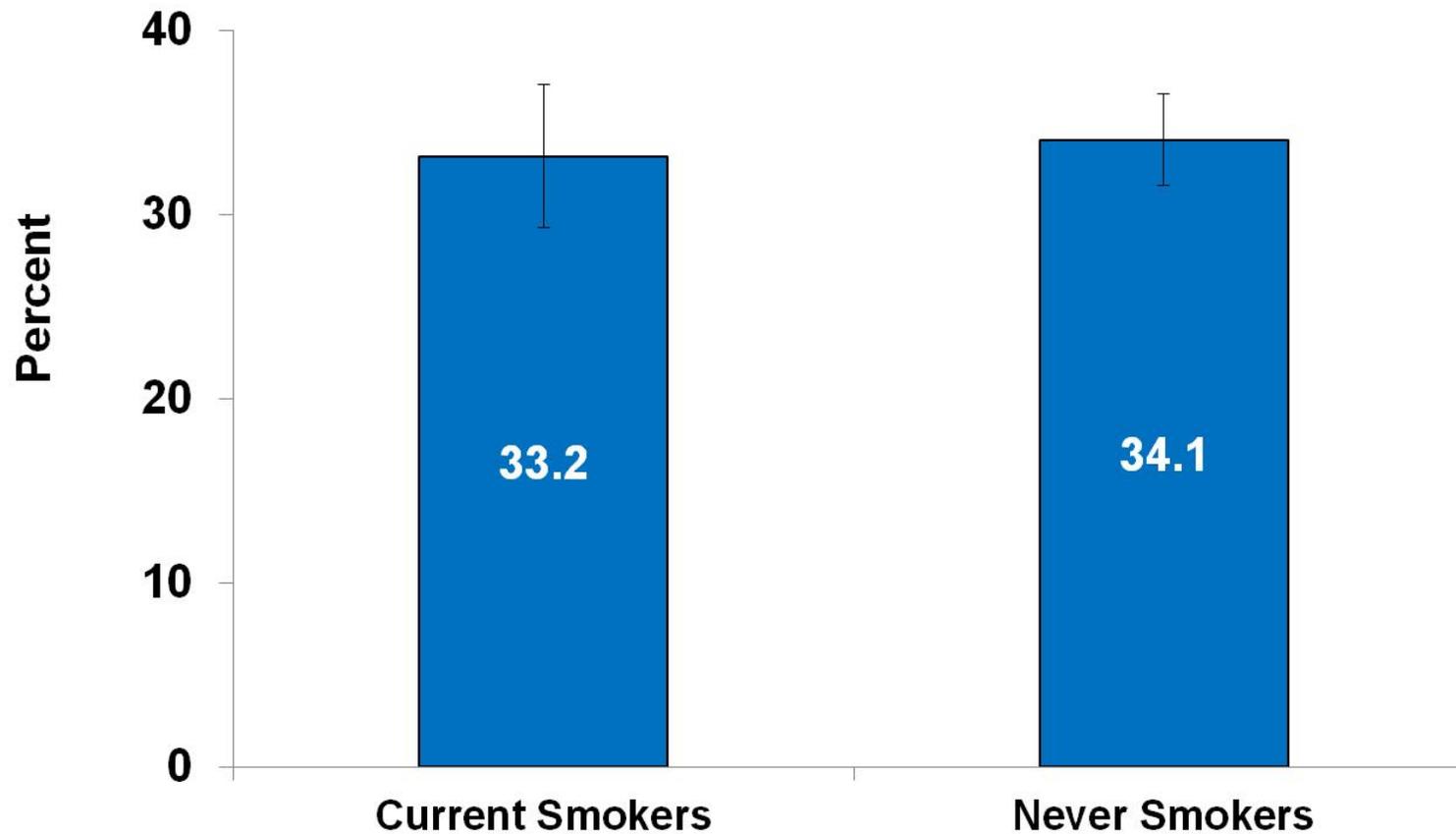
# Prevalence of High Blood Pressure by Race Arkansas 2013



Source: Behavioral Risk Factor Surveillance System (BRFSS)

Question: Have you ever been told by a doctor or other health care professional that you have high blood pressure?

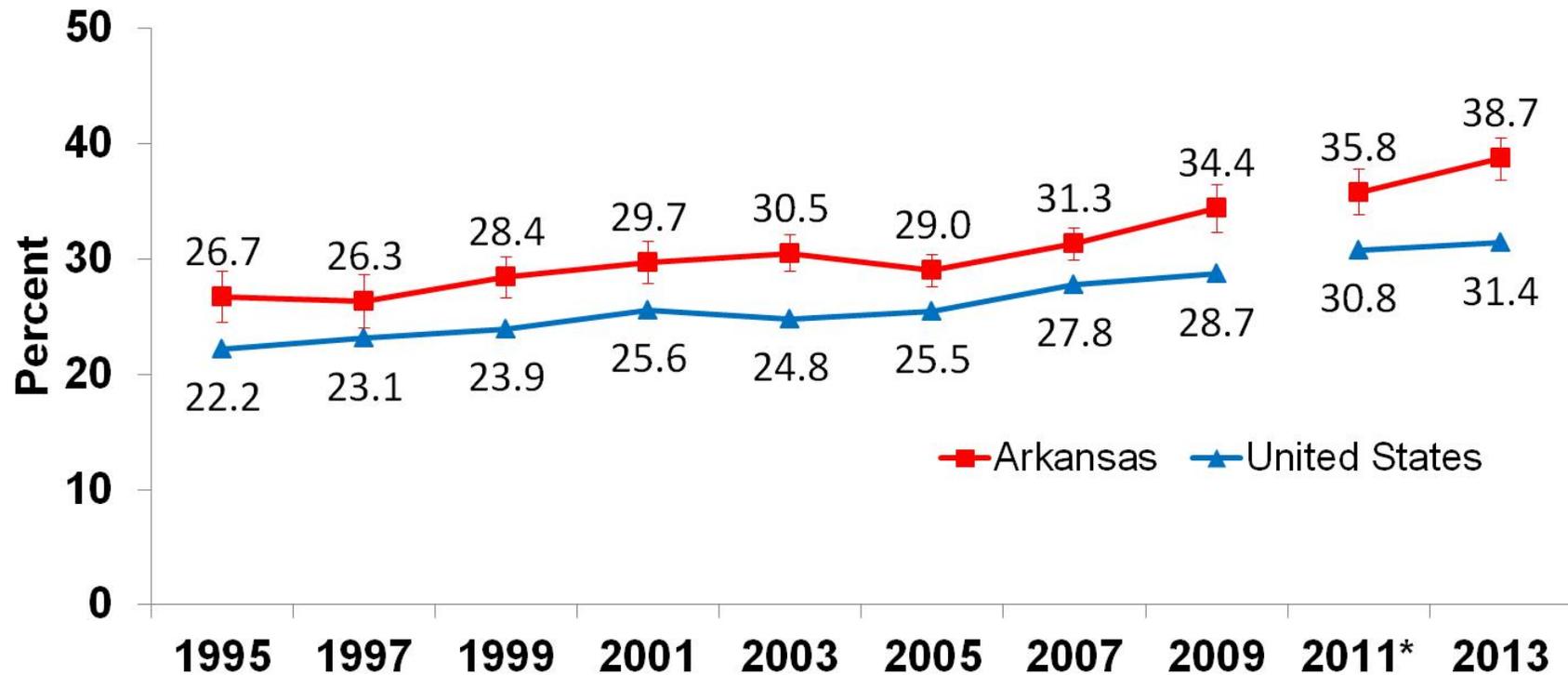
## Prevalence of High Blood Pressure by Smoking Status Arkansas 2013



Source: Behavioral Risk Factor Surveillance System (BRFSS)

Question: Have you ever been told by a doctor or other health care professional that you have high blood pressure?

## Prevalence of High Blood Pressure Arkansas and U.S. 1995-2013



Question: Have you ever been told by a doctor or other health care professional that you have high blood pressure?

\*In 2011 BRFSS had substantial methodological changes; 2011 and subsequent years are not comparable to years prior to 2011

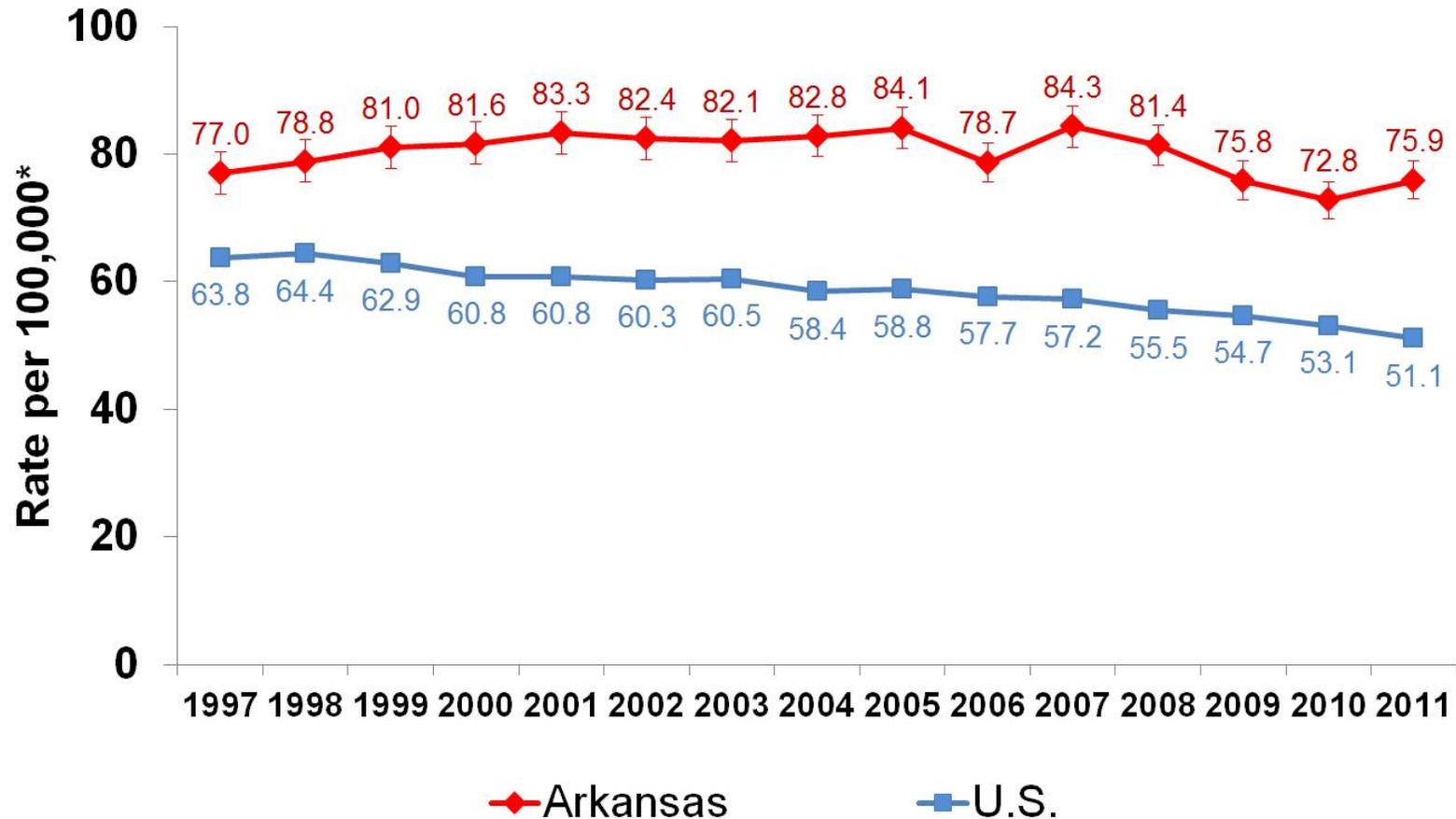
Source: Behavioral Risk Factor Surveillance System (BRFSS)

# **SECTION III**

## **Impact of Tobacco Use: Cancer**

# A. Cancer Incidence

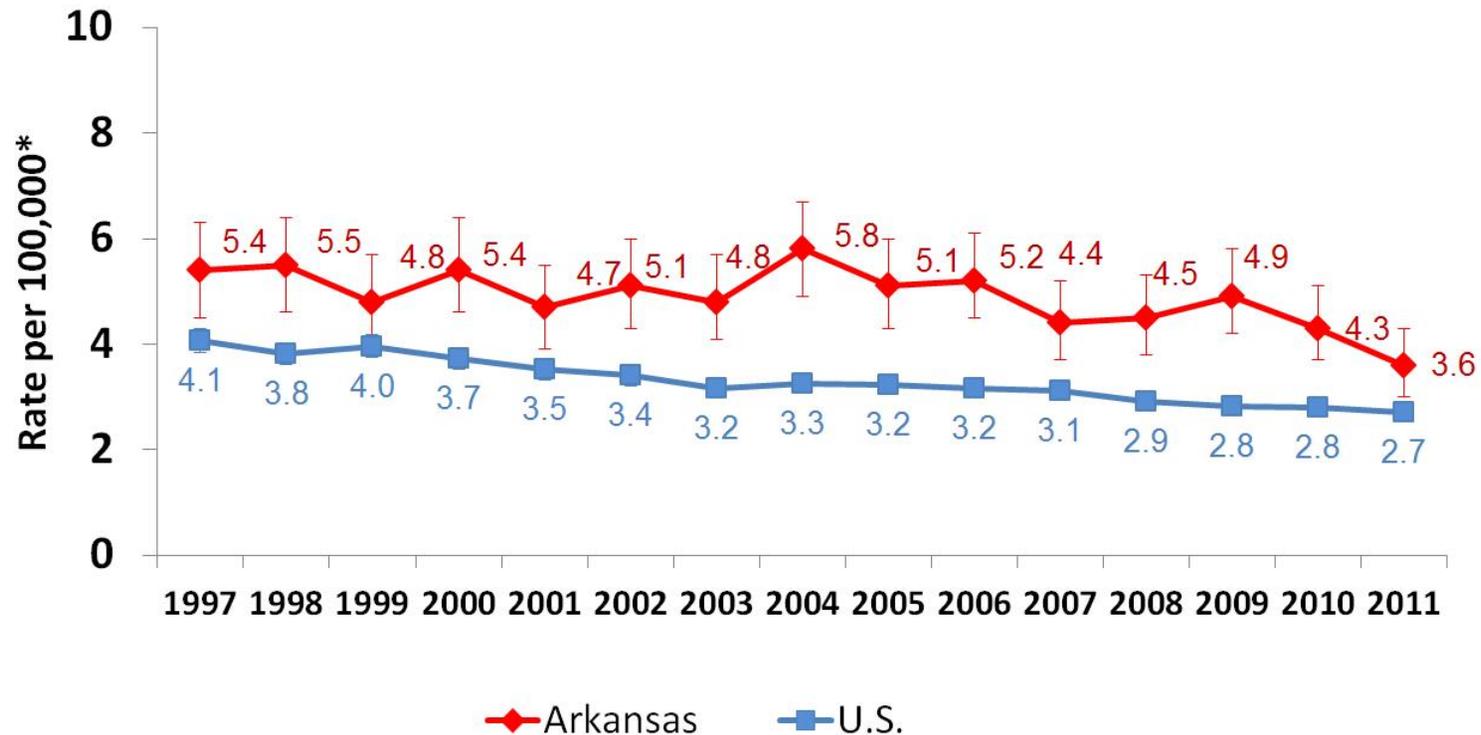
# Age-Adjusted Incidence Rates of Cancers of the Lung & Bronchus, Arkansas and U.S. 1997-2011



\*Age-Adjusted to the 2000 U.S. Standard Population

Sources: Arkansas Central Cancer Registry, Arkansas Department of Health ([www.cancer-rates.info](http://www.cancer-rates.info))  
 Surveillance, Epidemiology, and End Results (SEER) Program ([www.seer.cancer.gov](http://www.seer.cancer.gov))

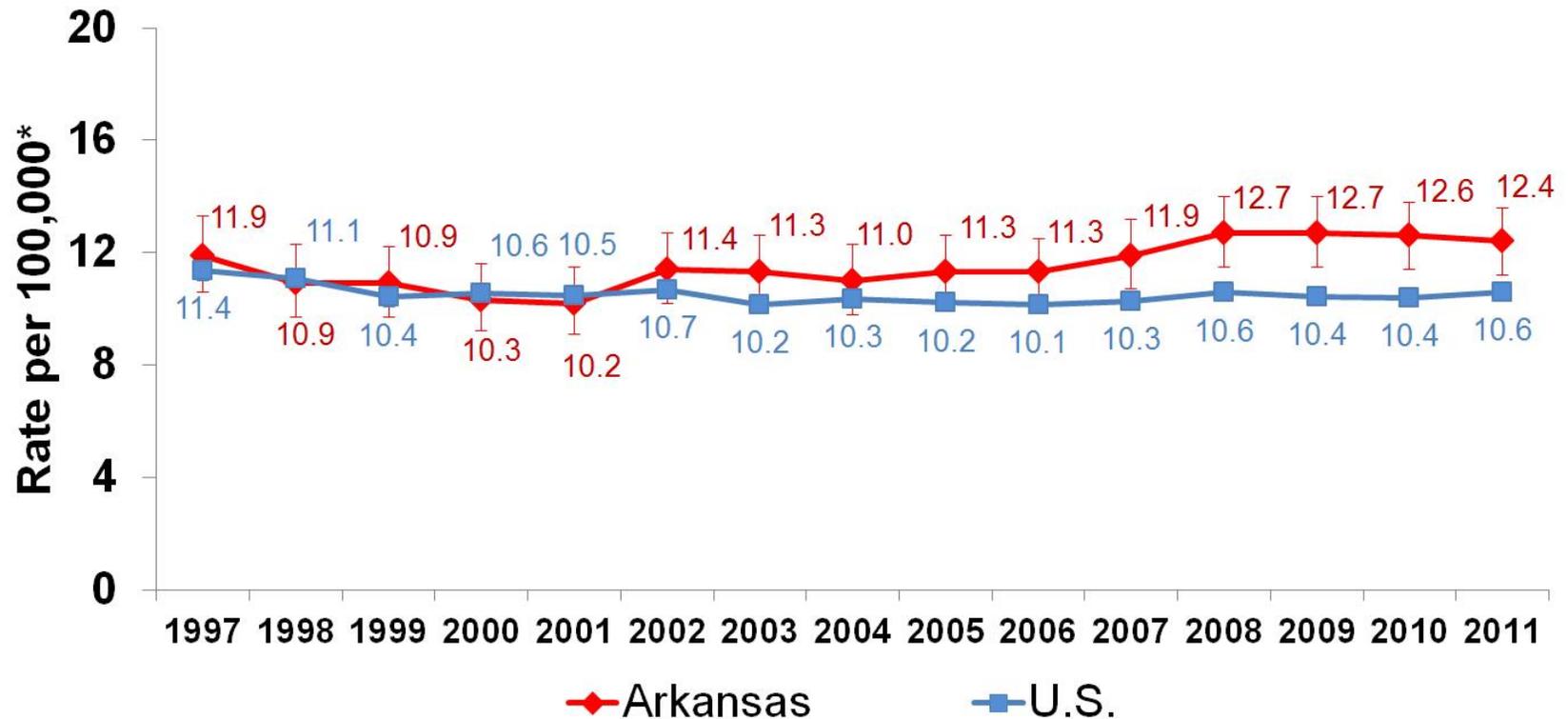
# Age-Adjusted Incidence Rates of Cancers of the Larynx Arkansas and U.S. 1997-2011



\*Age-Adjusted to the 2000 U.S. Standard Population

Sources: Arkansas Central Cancer Registry, Arkansas Department of Health ([www.cancer-rates.info](http://www.cancer-rates.info))  
Surveillance, Epidemiology, and End Results (SEER) Program ([www.seer.cancer.gov](http://www.seer.cancer.gov))

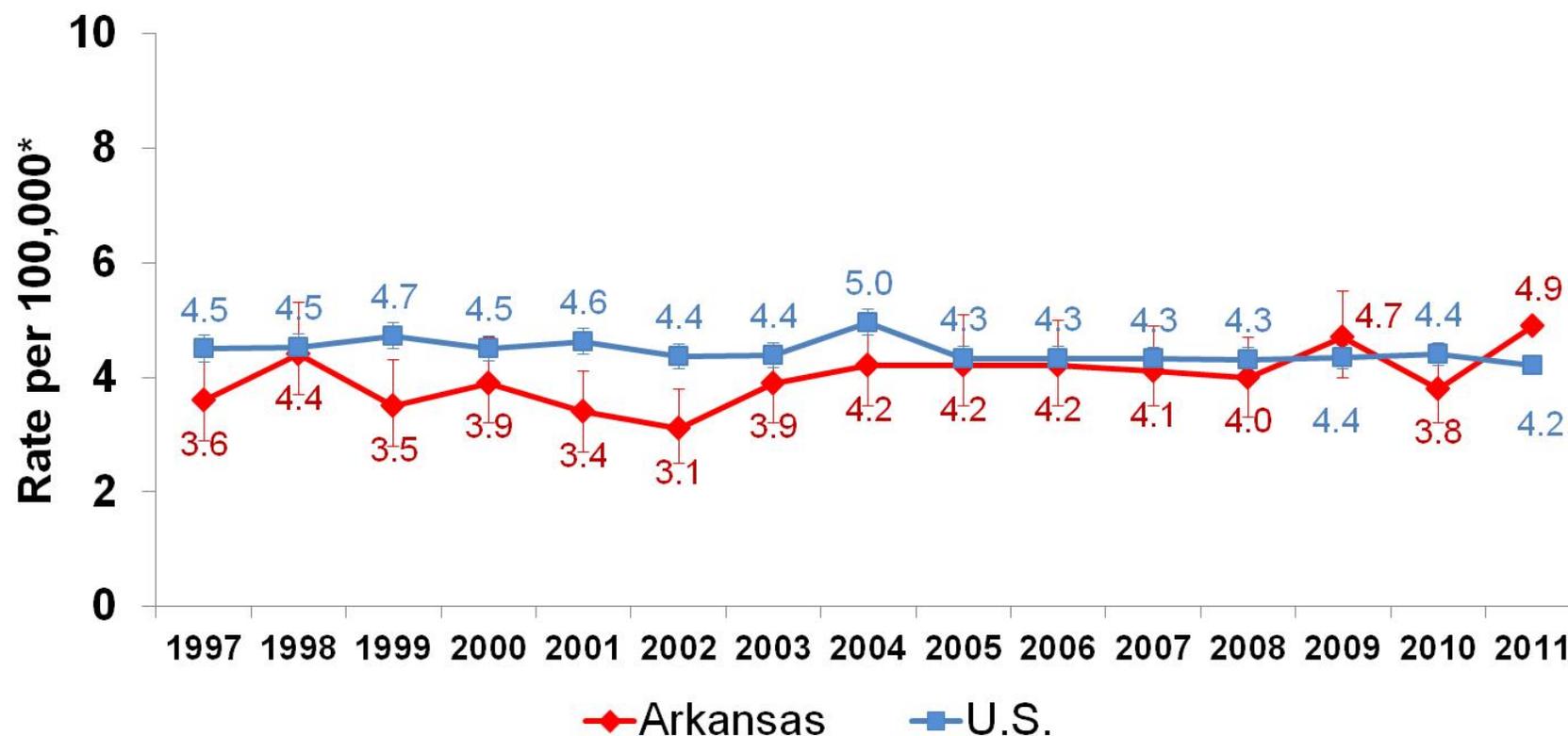
# Age-Adjusted Incidence Rates of Cancers of the Oral Cavity and Pharynx, Arkansas and U.S. 1997-2011



\*Age-Adjusted to the 2000 U.S. Standard Population

Sources: Arkansas Central Cancer Registry, Arkansas Department of Health ([www.cancer-rates.info](http://www.cancer-rates.info))  
 Surveillance, Epidemiology, and End Results (SEER) Program ([www.seer.cancer.gov](http://www.seer.cancer.gov))

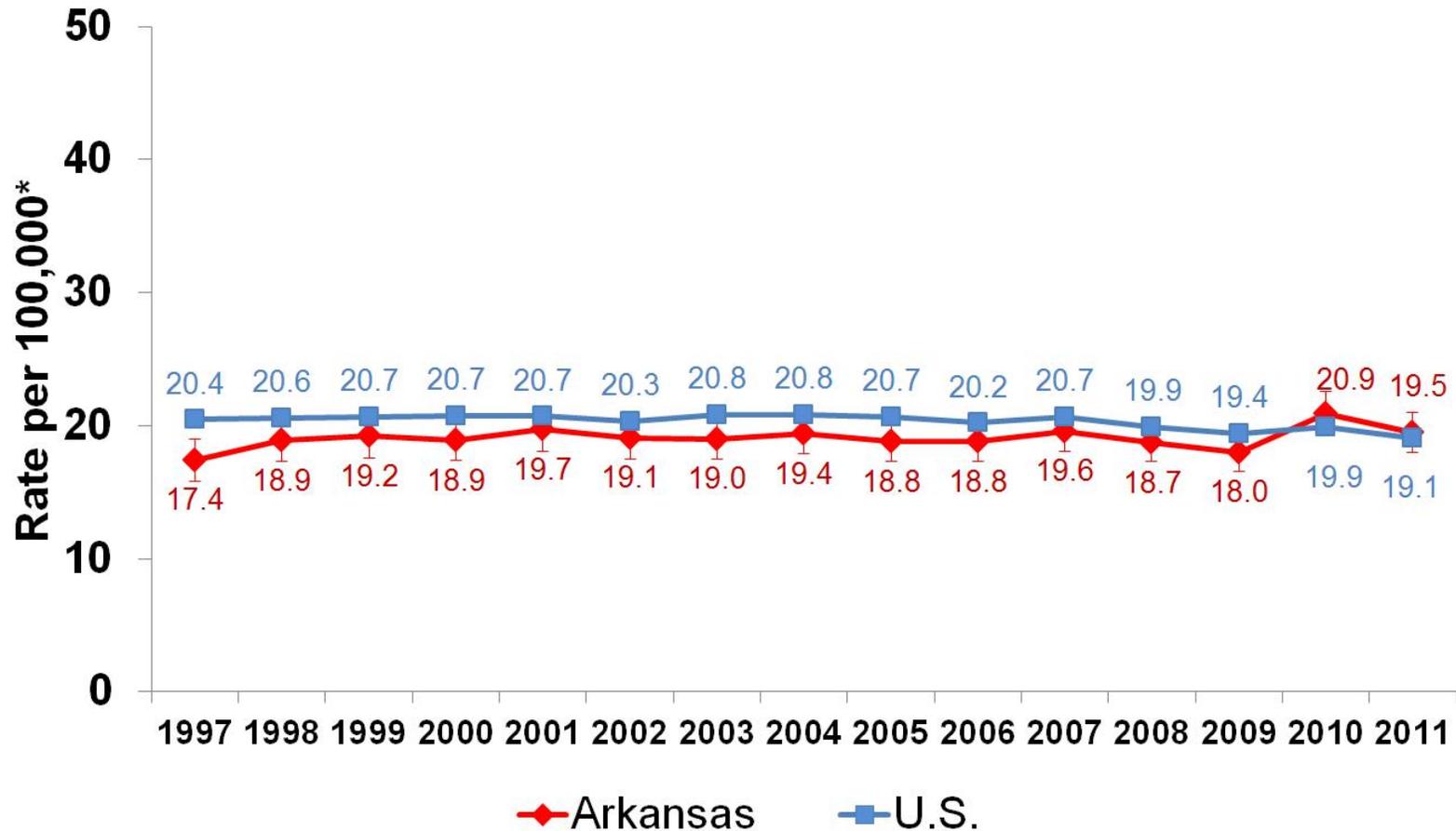
# Age-Adjusted Incidence Rates of Cancer of the Esophagus Arkansas and U.S. 1997-2011



\*Age-Adjusted to the 2000 U.S. Standard Population

Sources: Arkansas Central Cancer Registry, Arkansas Department of Health ([www.cancer-rates.info](http://www.cancer-rates.info))  
Surveillance, Epidemiology, and End Results (SEER) Program ([www.seer.cancer.gov](http://www.seer.cancer.gov))

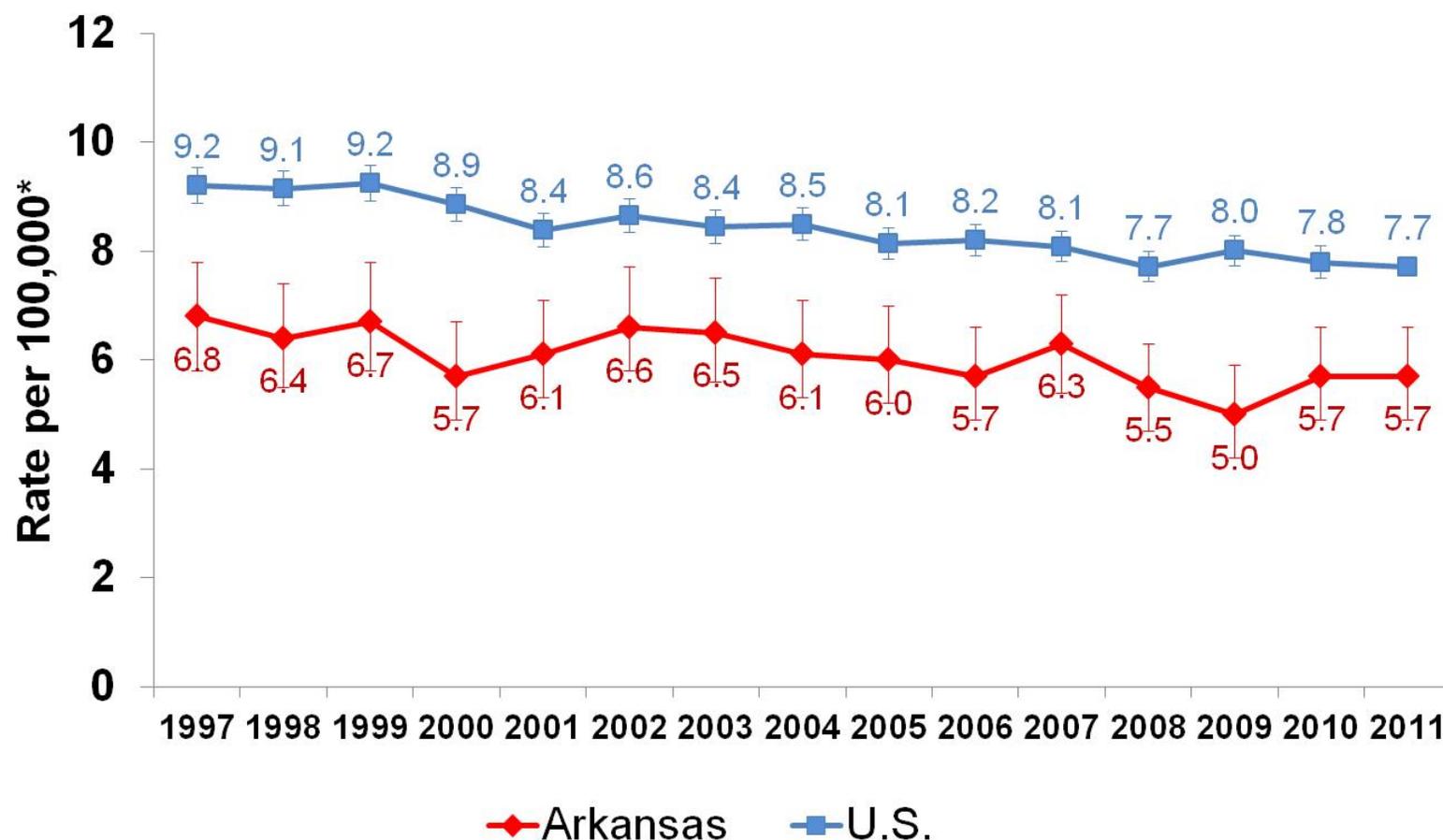
## Age-Adjusted Incidence Rates of Cancers of the Urinary Bladder, Arkansas and U.S. 1997-2011



\*Age-Adjusted to the 2000 U.S. Standard Population

Sources: Arkansas Central Cancer Registry, Arkansas Department of Health ([www.cancer-rates.info](http://www.cancer-rates.info))  
Surveillance, Epidemiology, and End Results (SEER) Program ([www.seer.cancer.gov](http://www.seer.cancer.gov))

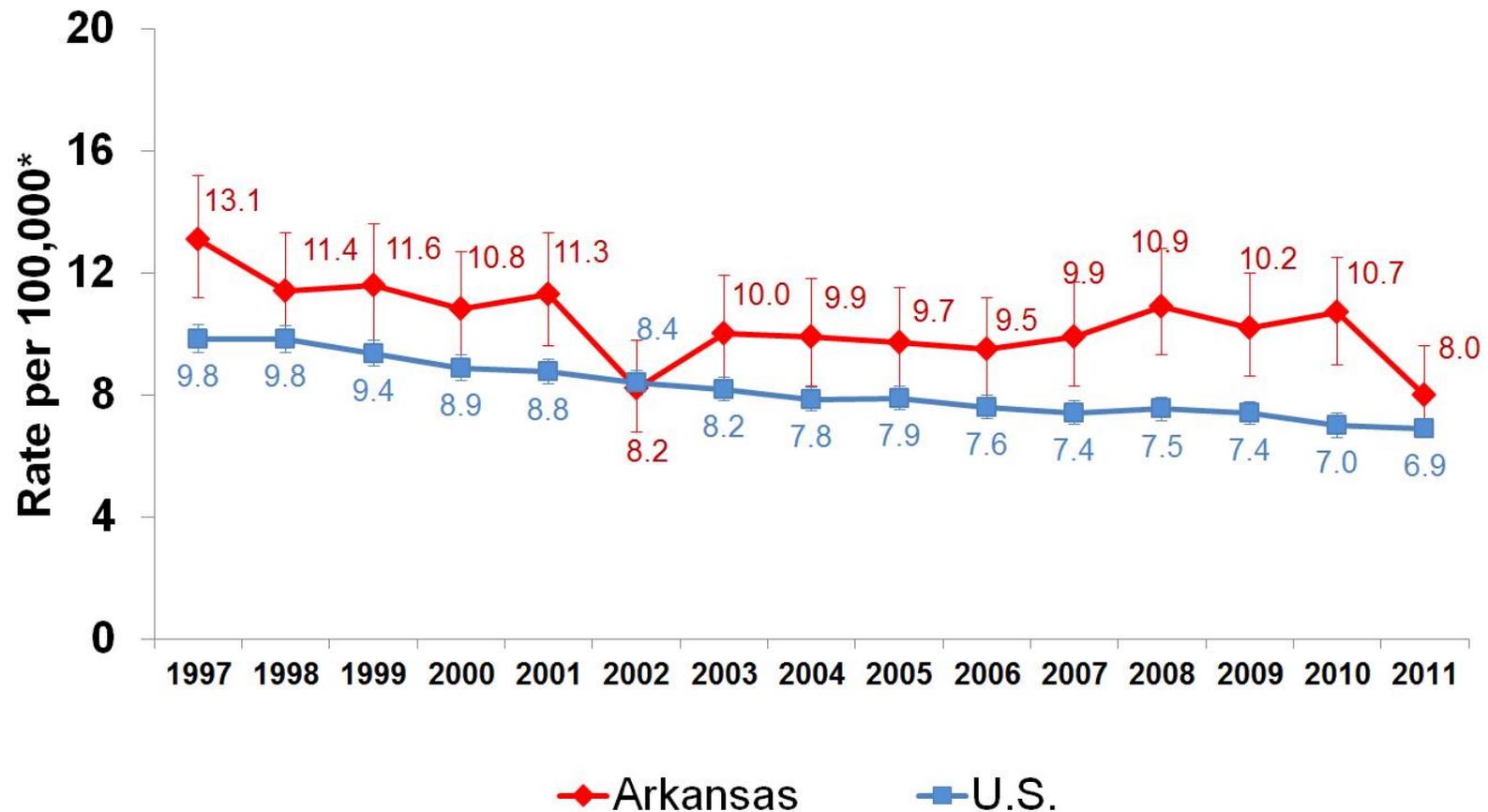
## Age-Adjusted Incidence Rates of Cancers of the Stomach, Arkansas and U.S. 1997-2011



\*Age-Adjusted to the 2000 U.S. Standard Population

Sources: Arkansas Central Cancer Registry, Arkansas Department of Health ([www.cancer-rates.info](http://www.cancer-rates.info))  
Surveillance, Epidemiology, and End Results (SEER) Program ([www.seer.cancer.gov](http://www.seer.cancer.gov))

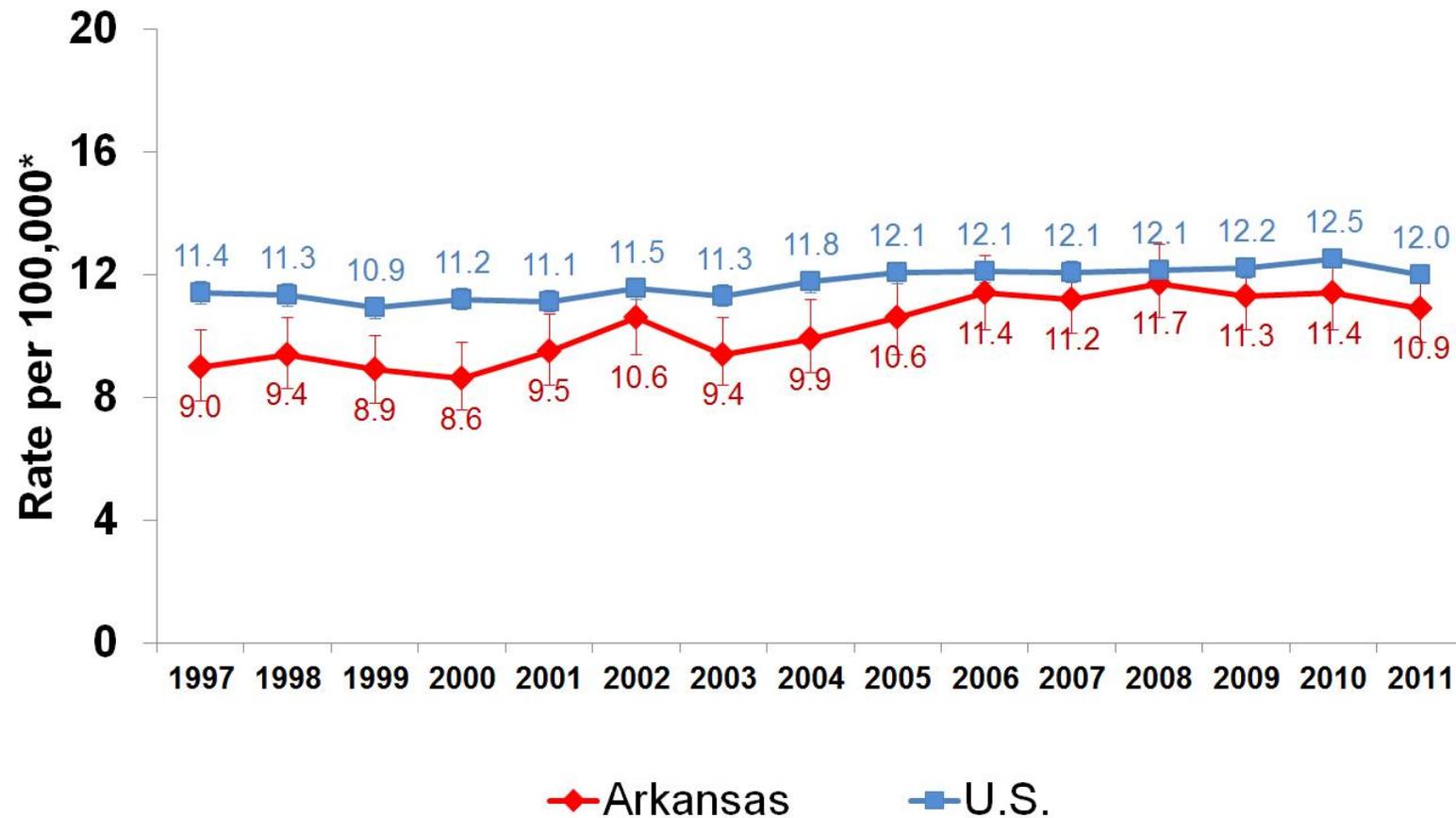
# Age-Adjusted Incidence Rates of Cancers of the Cervix Arkansas and U.S. 1997-2011



\*Age-Adjusted to the 2000 U.S. Standard Population

Sources: Arkansas Central Cancer Registry, Arkansas Department of Health ([www.cancer-rates.info](http://www.cancer-rates.info))  
Surveillance, Epidemiology, and End Results (SEER) Program ([www.seer.cancer.gov](http://www.seer.cancer.gov))

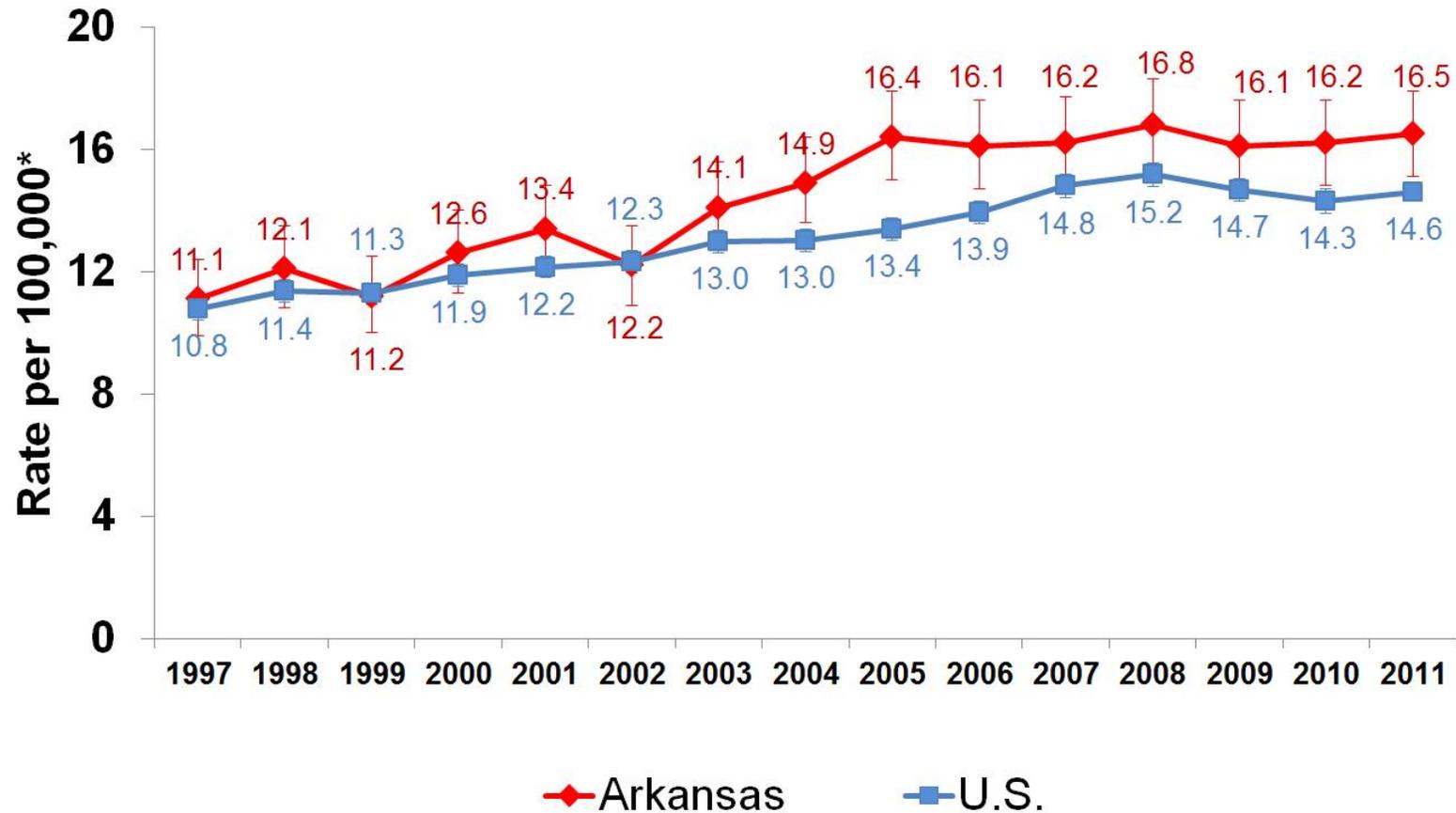
# Age-Adjusted Incidence Rates of Cancers of the Pancreas Arkansas and U.S. 1997-2011



\*Age-Adjusted to the 2000 U.S. Standard Population

Sources: Arkansas Central Cancer Registry, Arkansas Department of Health ([www.cancer-rates.info](http://www.cancer-rates.info))  
Surveillance, Epidemiology, and End Results (SEER) Program ([www.seer.cancer.gov](http://www.seer.cancer.gov))

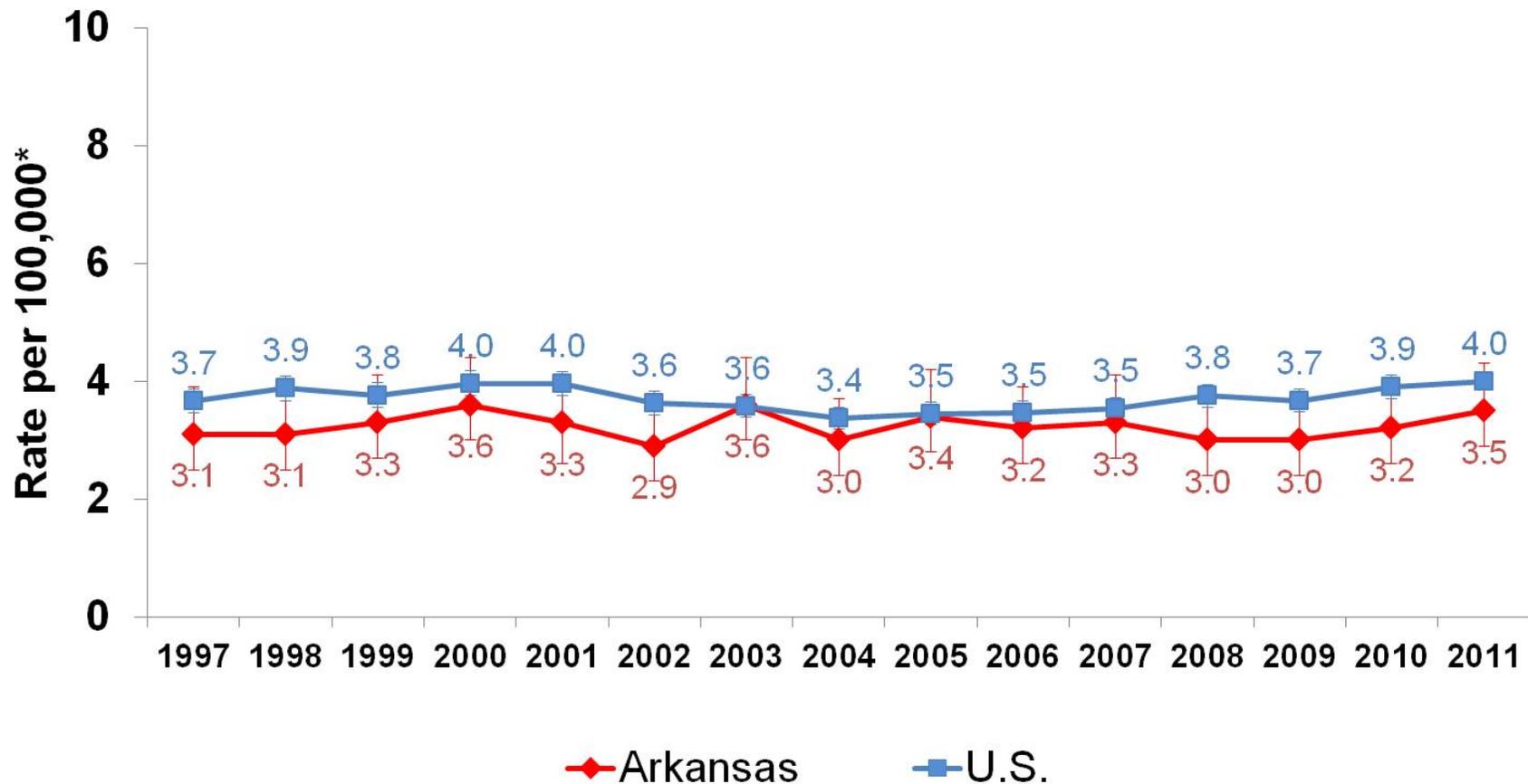
# Age-Adjusted Incidence Rates of Cancers of the Kidney and Renal Pelvis, Arkansas and U.S. 1997-2011



\*Age-Adjusted to the 2000 U.S. Standard Population

Sources: Arkansas Central Cancer Registry, Arkansas Department of Health ([www.cancer-rates.info](http://www.cancer-rates.info))  
 Surveillance, Epidemiology, and End Results (SEER) Program ([www.seer.cancer.gov](http://www.seer.cancer.gov))

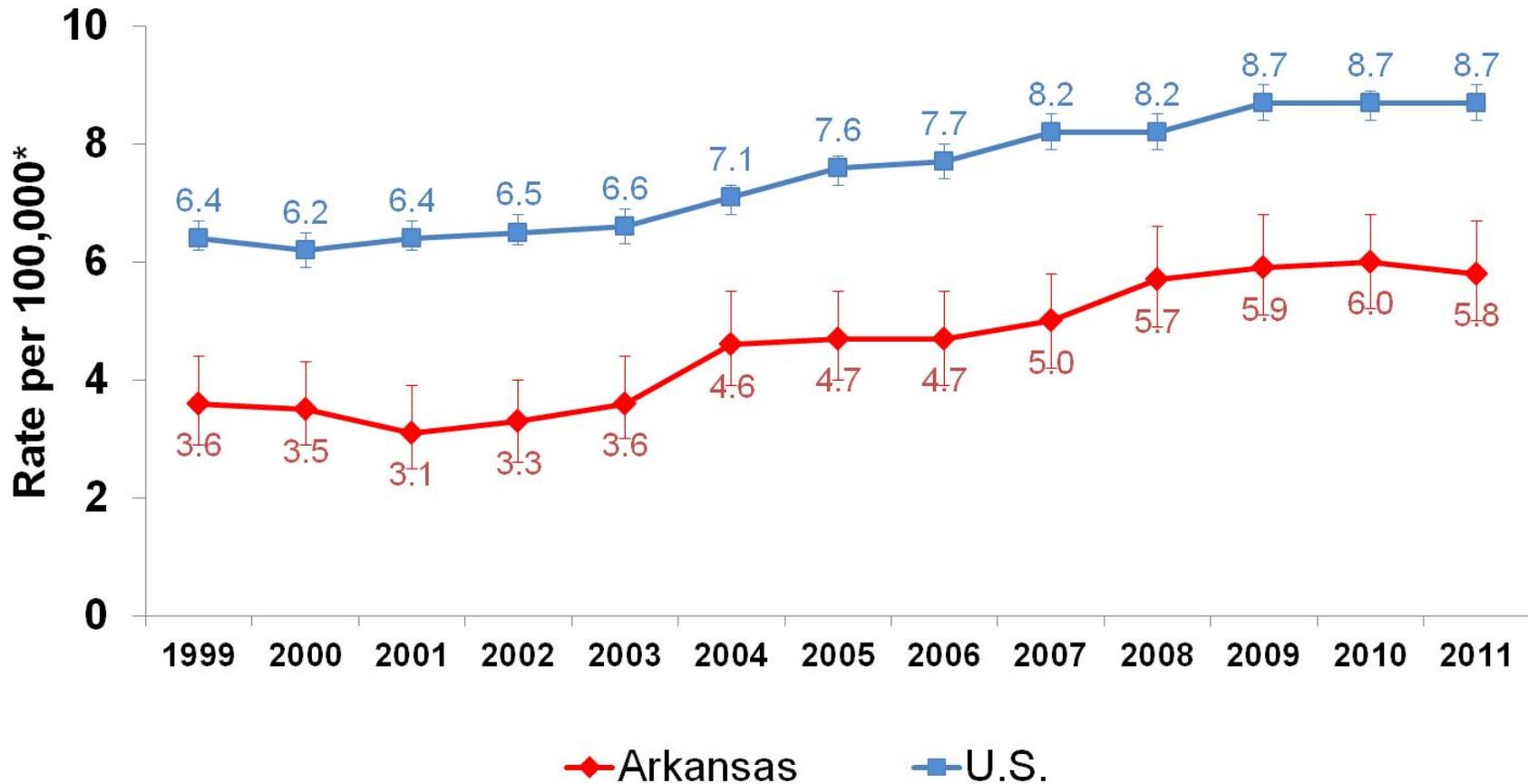
# Age-Adjusted Incidence Rates of Acute Myeloid Leukemia Arkansas and U.S. 1997-2011



\*Age-Adjusted to the 2000 U.S. Standard Population

Sources: Arkansas Central Cancer Registry, Arkansas Department of Health ([www.cancer-rates.info](http://www.cancer-rates.info))  
Surveillance, Epidemiology, and End Results (SEER) Program ([www.seer.cancer.gov](http://www.seer.cancer.gov))

# Age-Adjusted Incidence Rates of Liver and Intrahepatic Bile Duct, Arkansas and U.S. 1999-2011

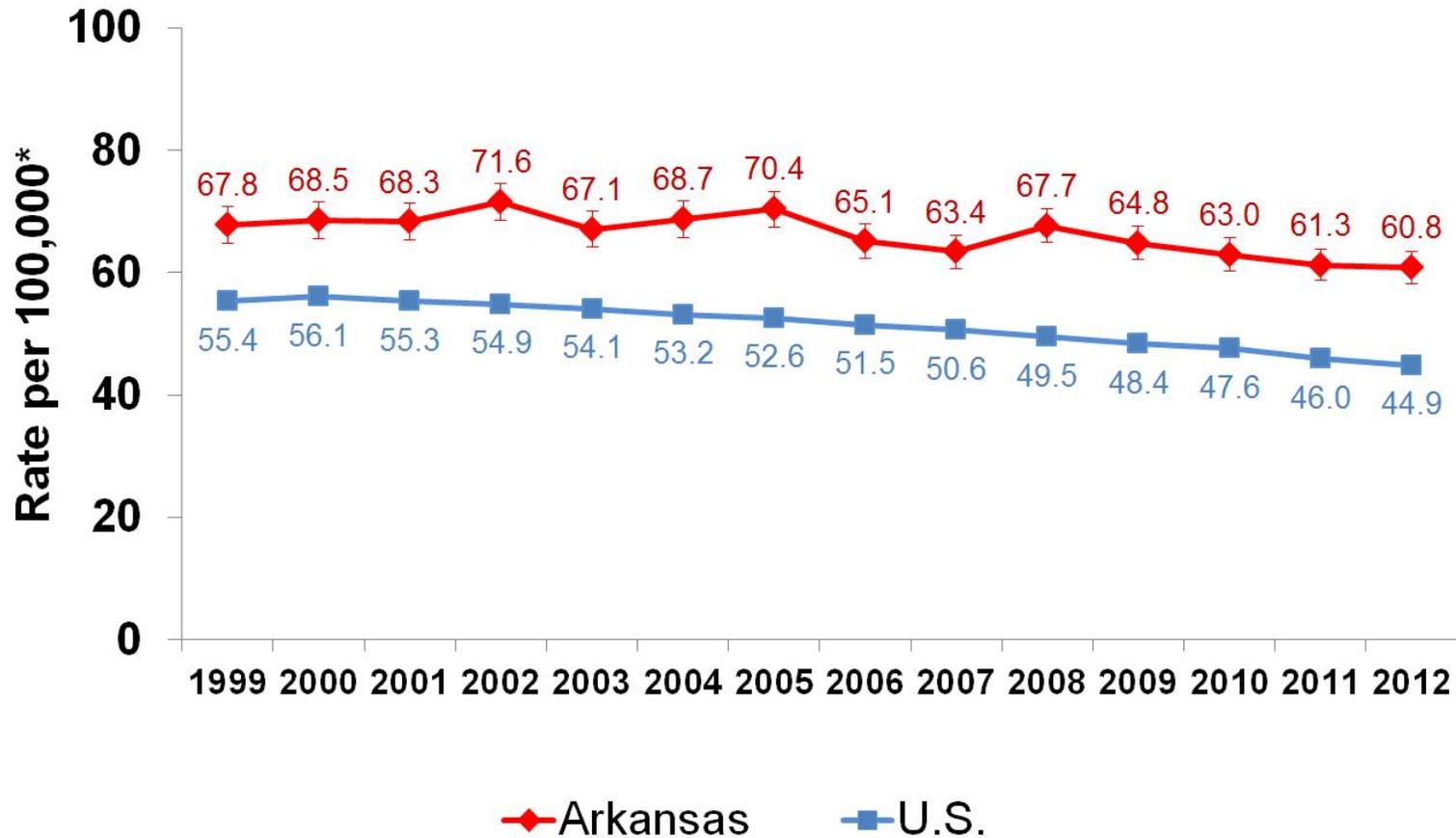


\*Age-Adjusted to the 2000 U.S. Standard Population

Sources: Arkansas Central Cancer Registry, Arkansas Department of Health ([www.cancer-rates.info](http://www.cancer-rates.info))  
 Surveillance, Epidemiology, and End Results (SEER) Program ([www.seer.cancer.gov](http://www.seer.cancer.gov))

## **B. Cancer Mortality**

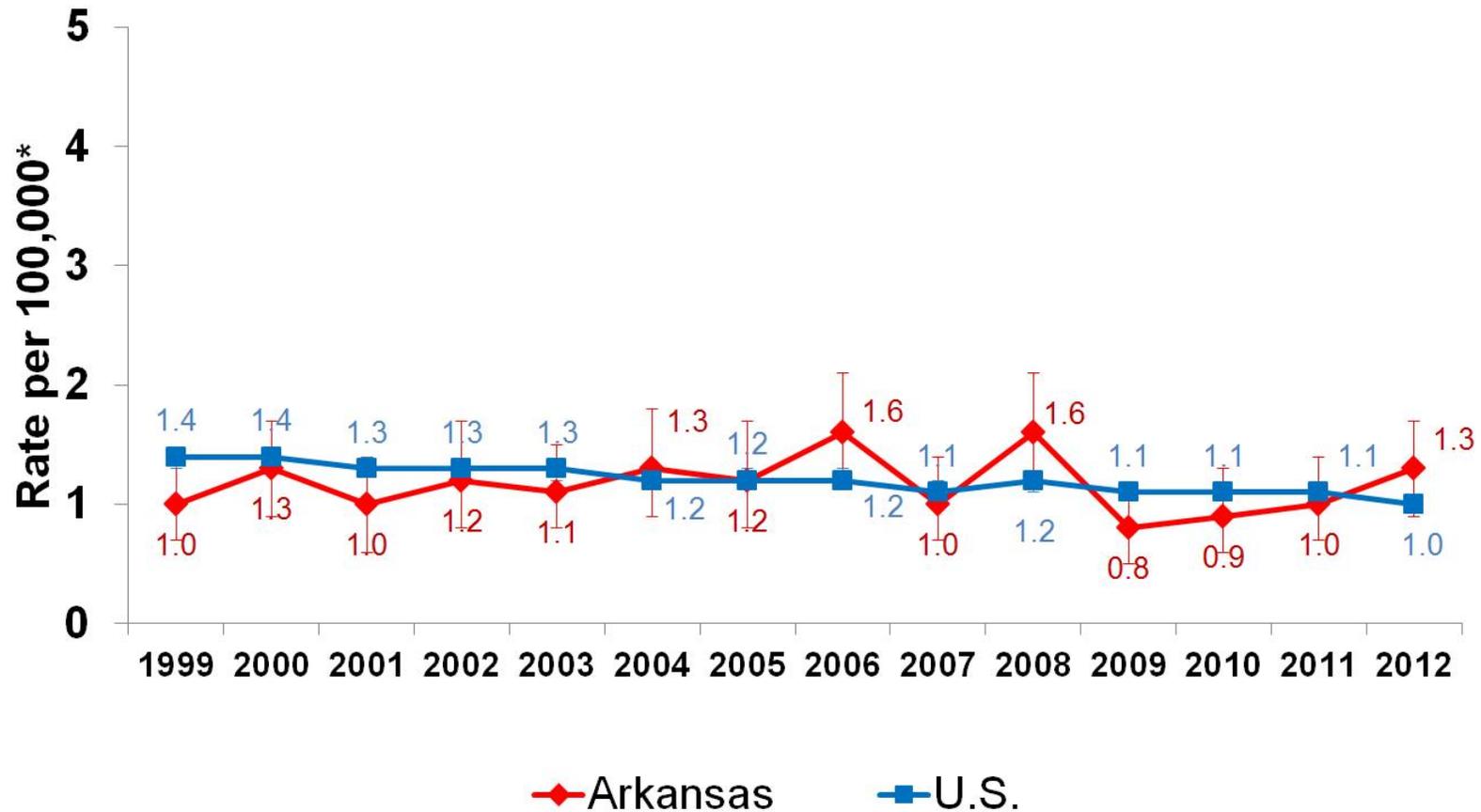
# Age-Adjusted Mortality Rates of Cancers of the Lung & Bronchus, Arkansas and U.S. 1999-2012



\*Mortality rates age-adjusted to the 2000 U.S. Standard Population

Sources: CDC Wonder; Compressed Mortality File, Underlying Cause of Death (<http://wonder.cdc.gov/mortSQL.html>)

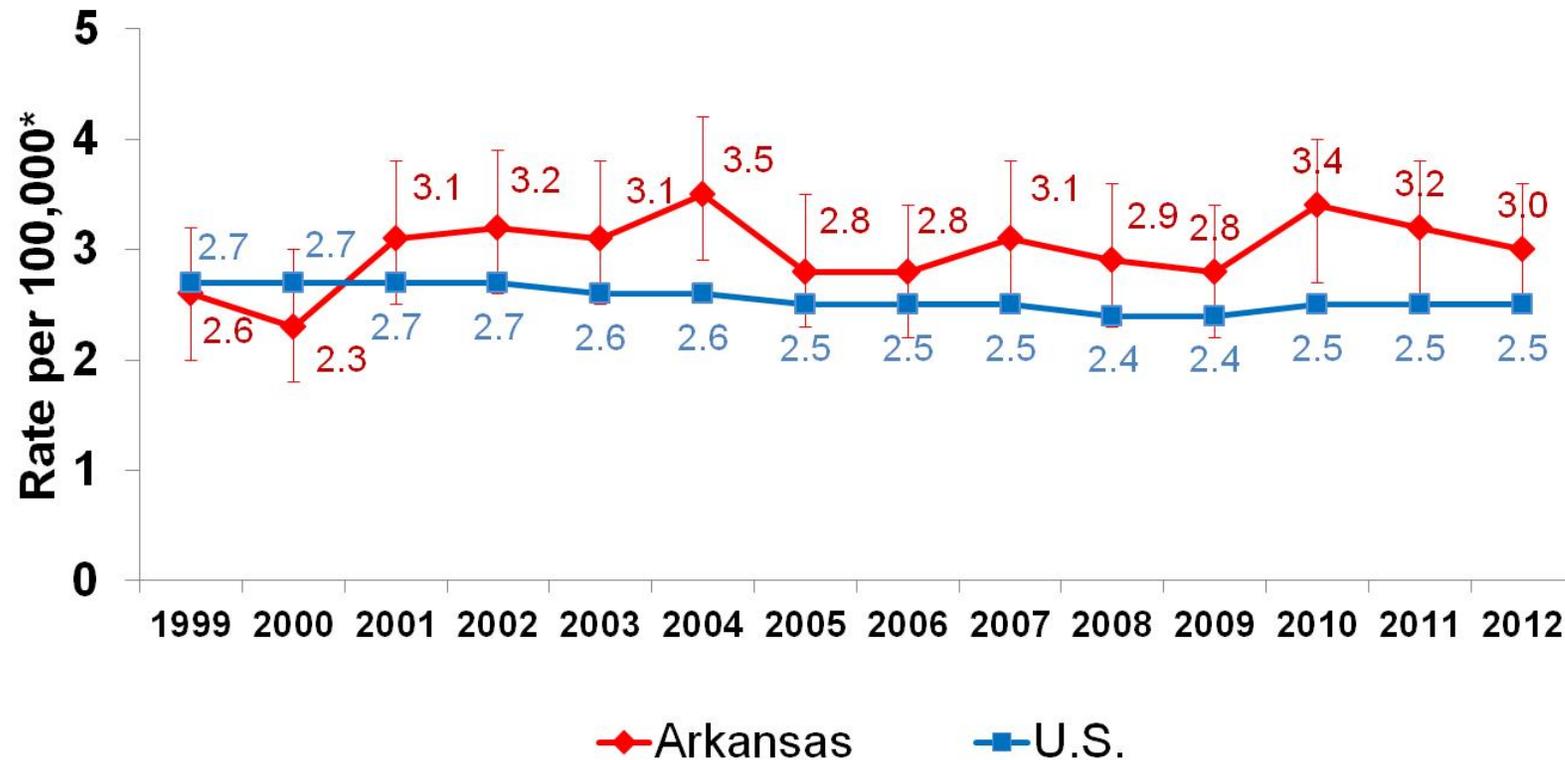
# Age-Adjusted Mortality Rates of Cancer of the Larynx Arkansas and U.S. 1999-2012



\*Mortality rates age-adjusted to the 2000 U.S. Standard Population

Sources: CDC Wonder; Compressed Mortality File, Underlying Cause of Death (<http://wonder.cdc.gov/mortSQL.html>)

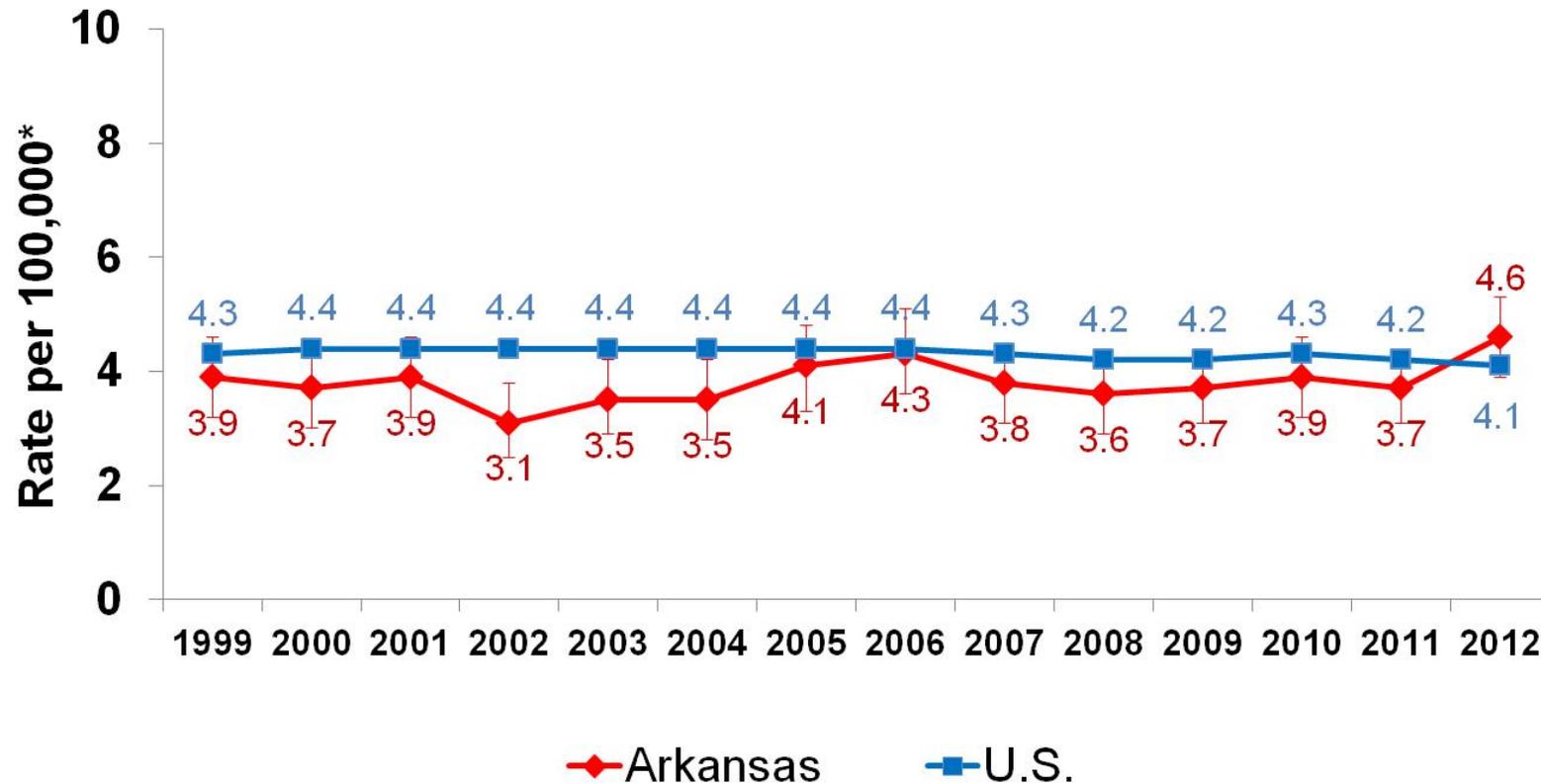
# Age-Adjusted Mortality Rates of Cancers of Oral Cavity and Pharynx, Arkansas and U.S. 1999-2012



\*Mortality rates age-adjusted to the 2000 U.S. Standard Population

Sources: CDC Wonder; Compressed Mortality File, Underlying Cause of Death (<http://wonder.cdc.gov/mortSQL.html>)

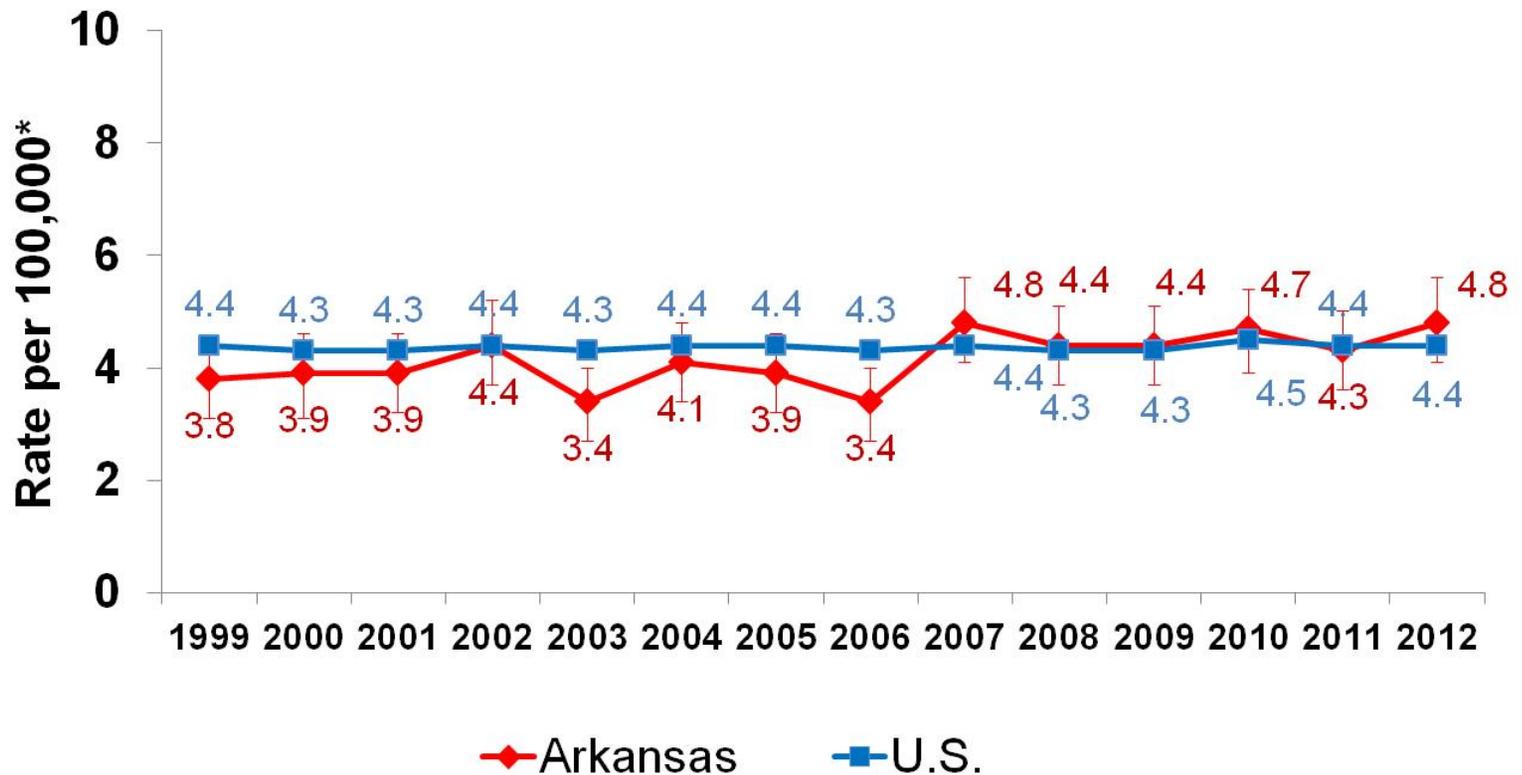
# Age-Adjusted Mortality Rates of Cancer of the Esophagus Arkansas and U.S. 1999-2012



\*Mortality rates age-adjusted to the 2000 U.S. Standard Population

Sources: CDC Wonder; Compressed Mortality File, Underlying Cause of Death (<http://wonder.cdc.gov/mortSQL.html>)

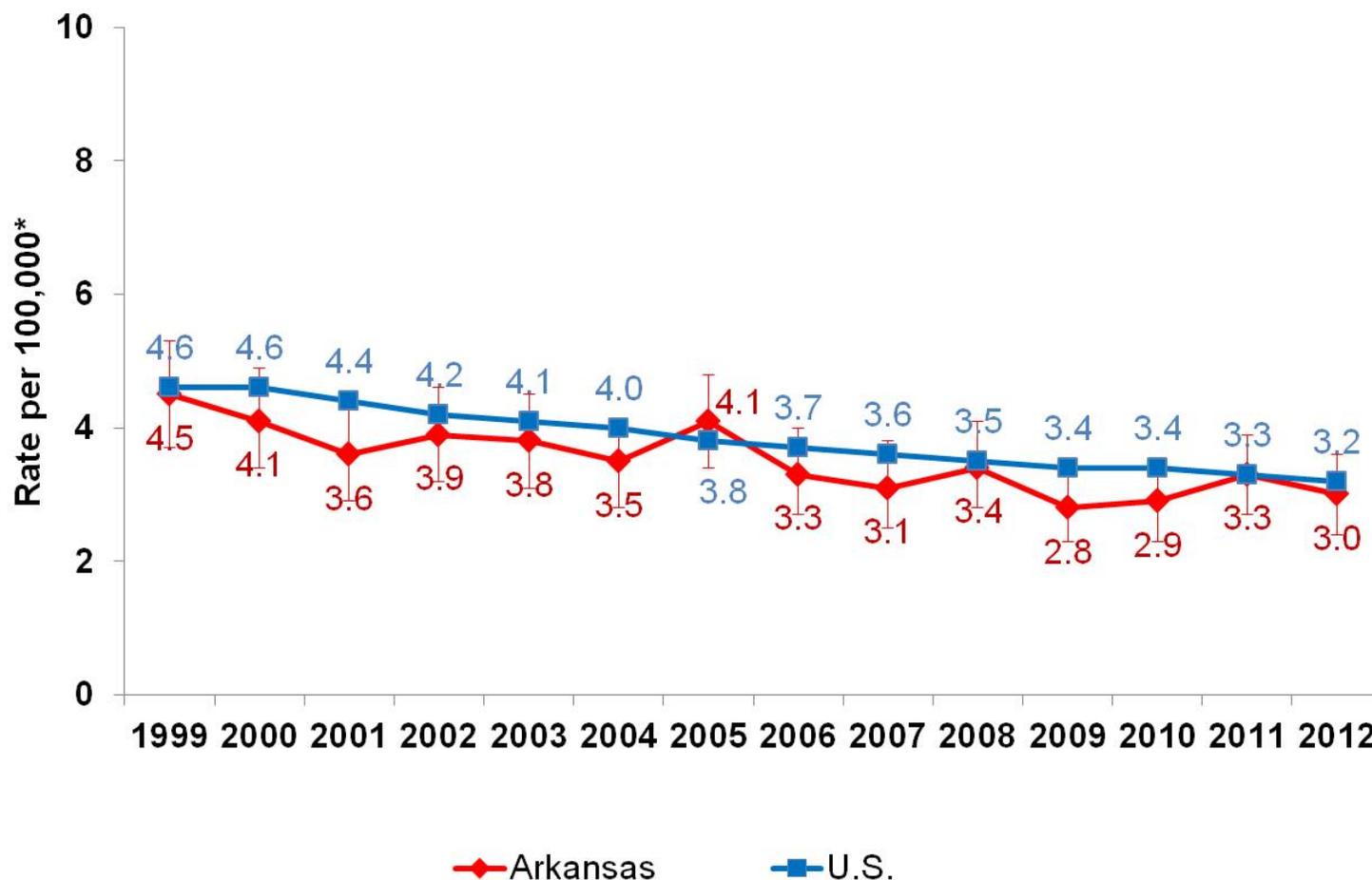
# Age-Adjusted Mortality Rates of Cancer of the Urinary Bladder, Arkansas and U.S. 1999-2012



\*Mortality rates age-adjusted to the 2000 U.S. Standard Population

Sources: CDC Wonder; Compressed Mortality File, Underlying Cause of Death (<http://wonder.cdc.gov/mortSQL.html>)

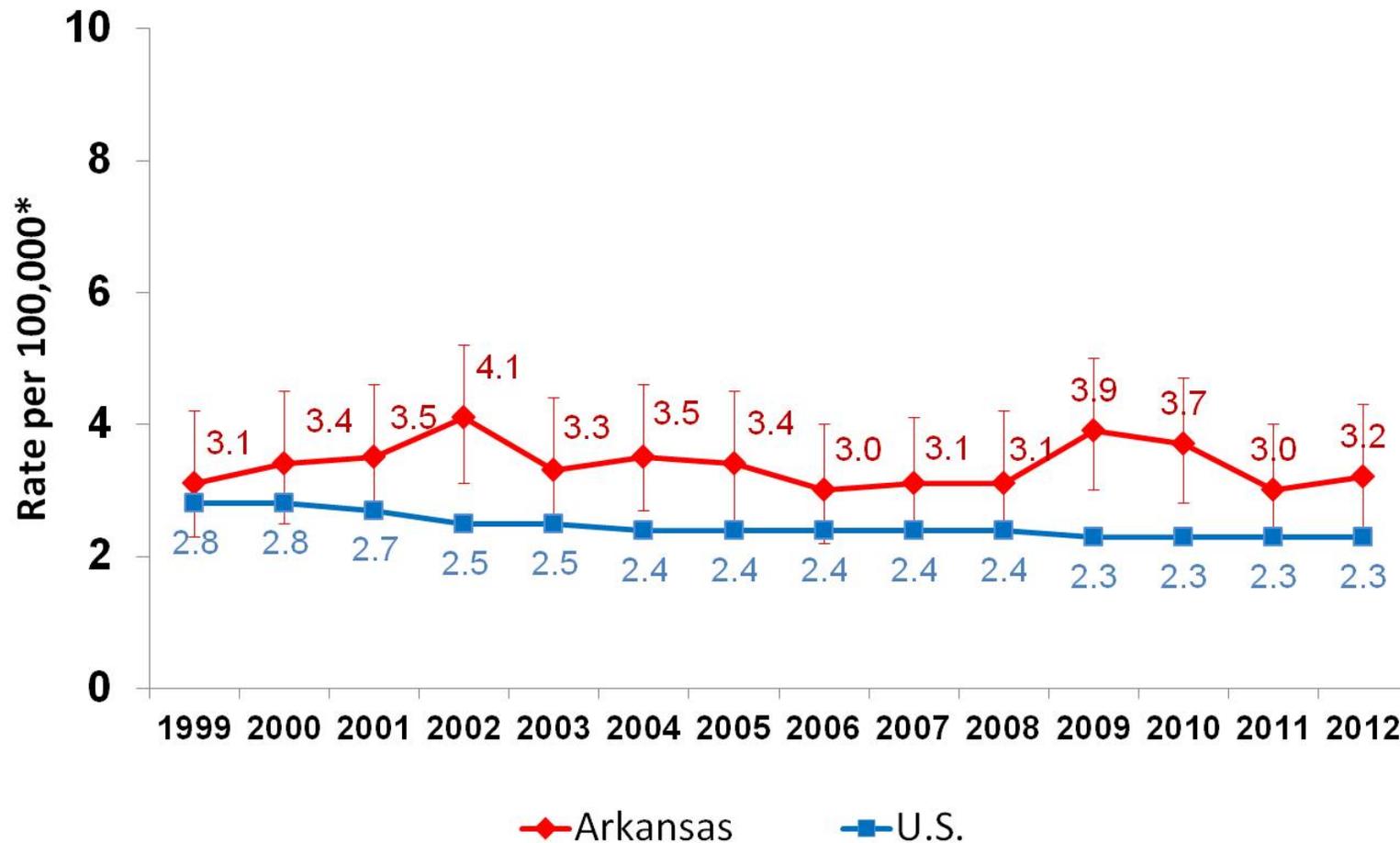
## Age-Adjusted Mortality Rates of Cancer of the Stomach, Arkansas and U.S. 1999-2012



\*Mortality rates age-adjusted to the 2000 U.S. Standard Population

Sources: CDC Wonder; Compressed Mortality File, Underlying Cause of Death (<http://wonder.cdc.gov/mortSQL.html>)

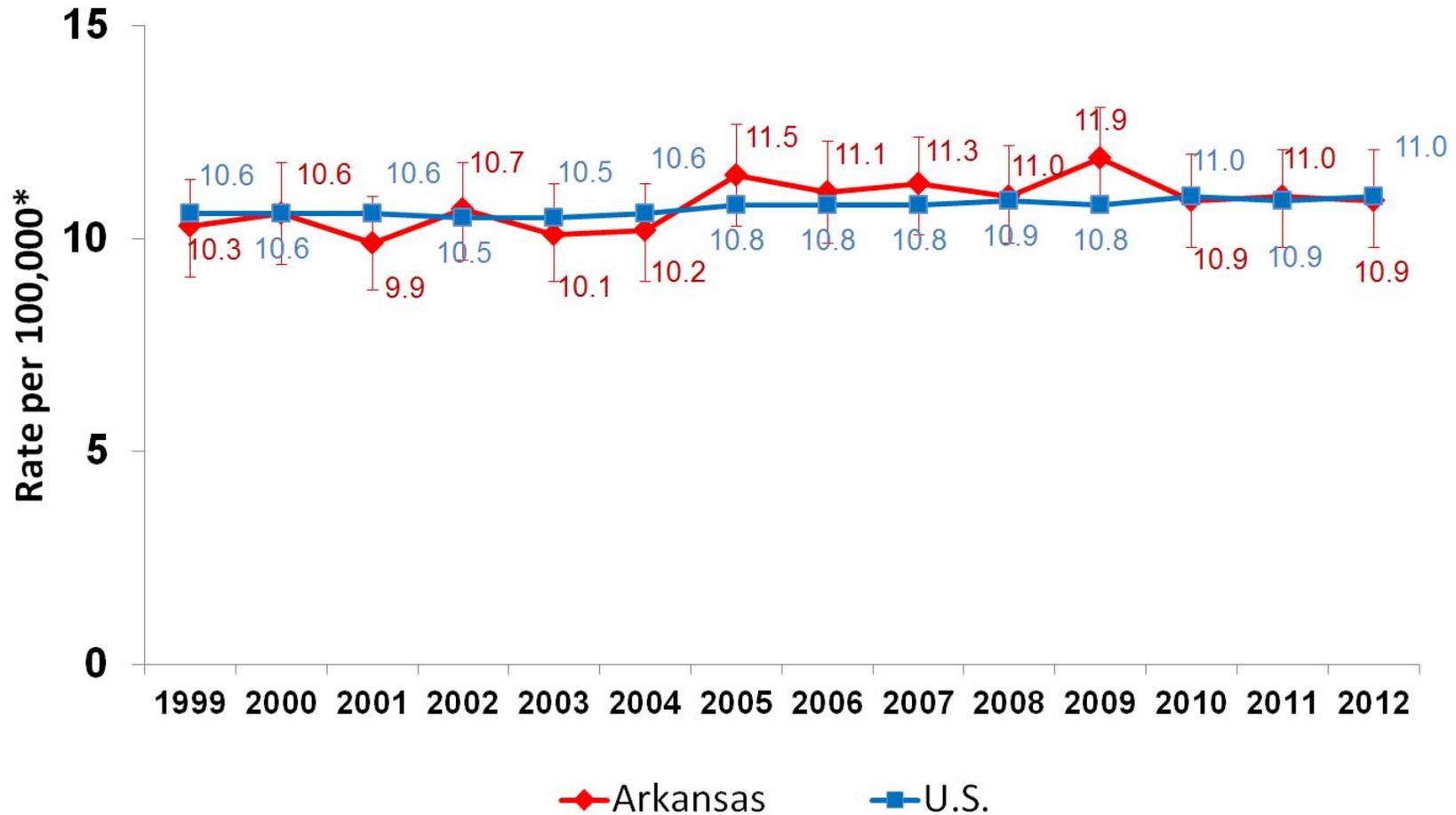
# Age-Adjusted Mortality Rates of Cancer of the Cervix, Arkansas and U.S. 1999-2012



\*Mortality rates age-adjusted to the 2000 U.S. Standard Population

Sources: CDC Wonder; Compressed Mortality File, Underlying Cause of Death (<http://wonder.cdc.gov/mortSQL.html>)

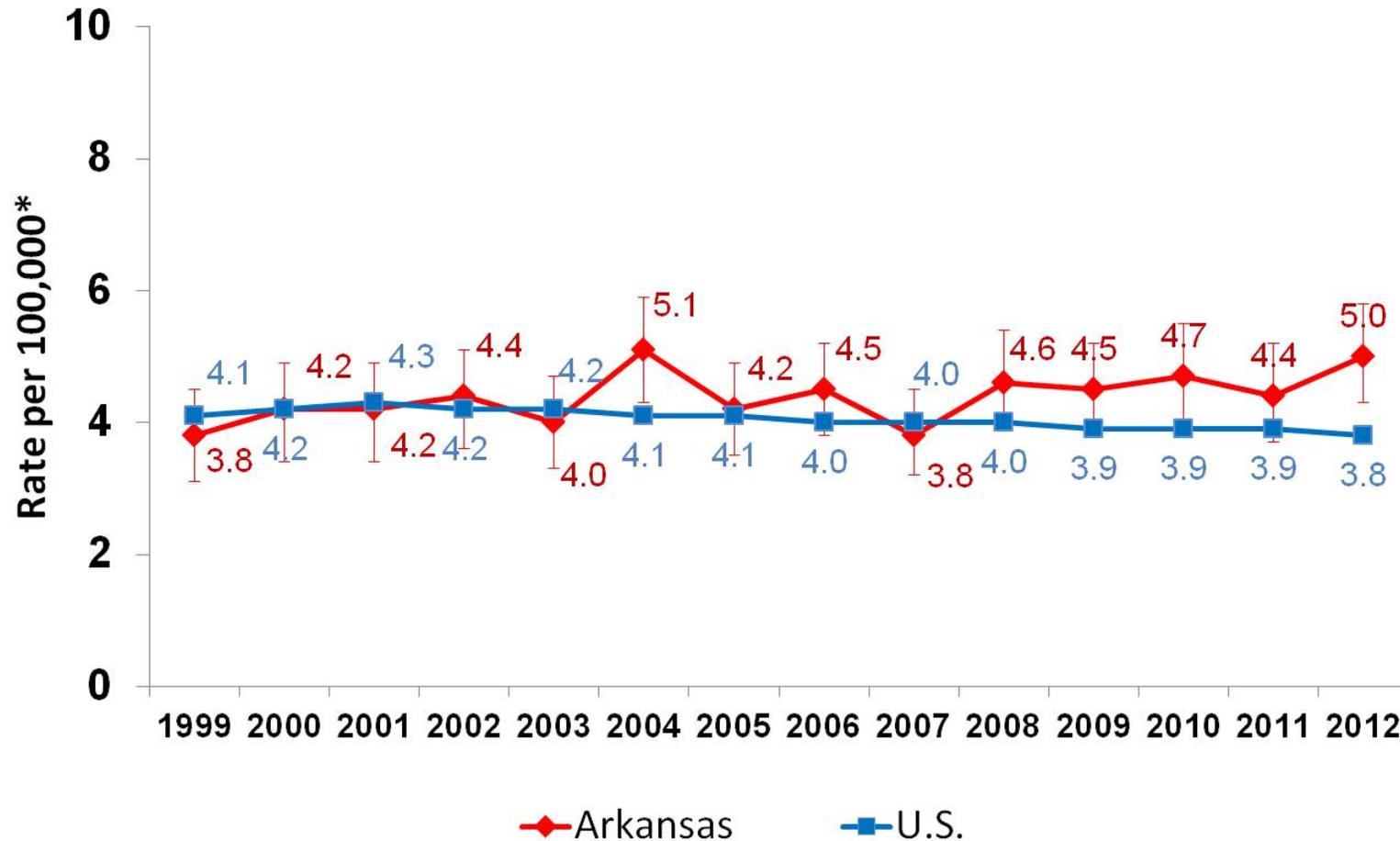
# Age-Adjusted Mortality Rates of Cancer of the Pancreas, Arkansas and U.S. 1999-2012



\*Mortality rates age-adjusted to the 2000 U.S. Standard Population

Sources: CDC Wonder; Compressed Mortality File, Underlying Cause of Death (<http://wonder.cdc.gov/mortSQL.html>)

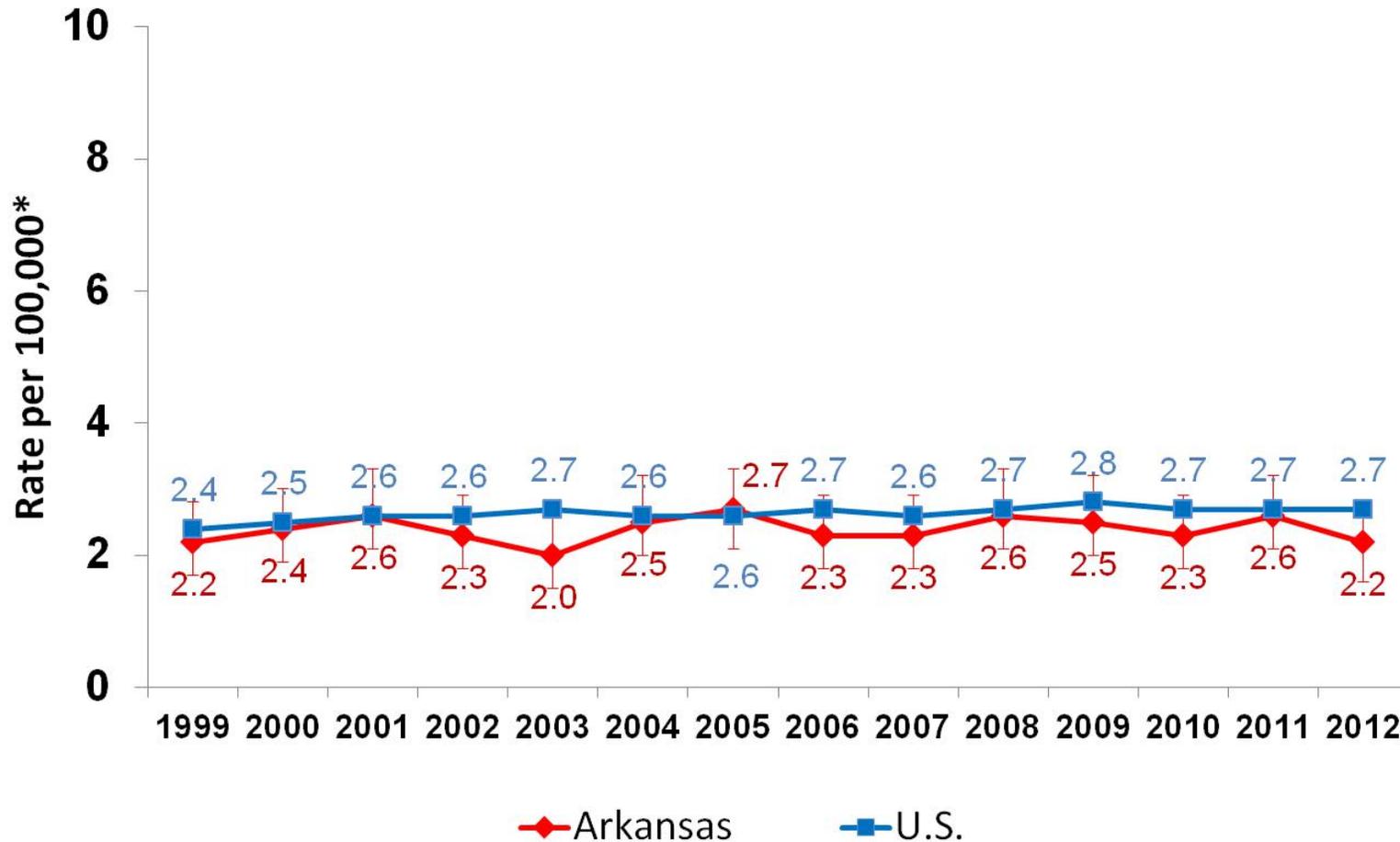
# Age-Adjusted Mortality Rates of Cancer of the Kidney and Renal Pelvis, Arkansas and U.S. 1999-2012



\*Mortality rates age-adjusted to the 2000 U.S. Standard Population

Sources: CDC Wonder; Compressed Mortality File, Underlying Cause of Death (<http://wonder.cdc.gov/mortSQL.html>)

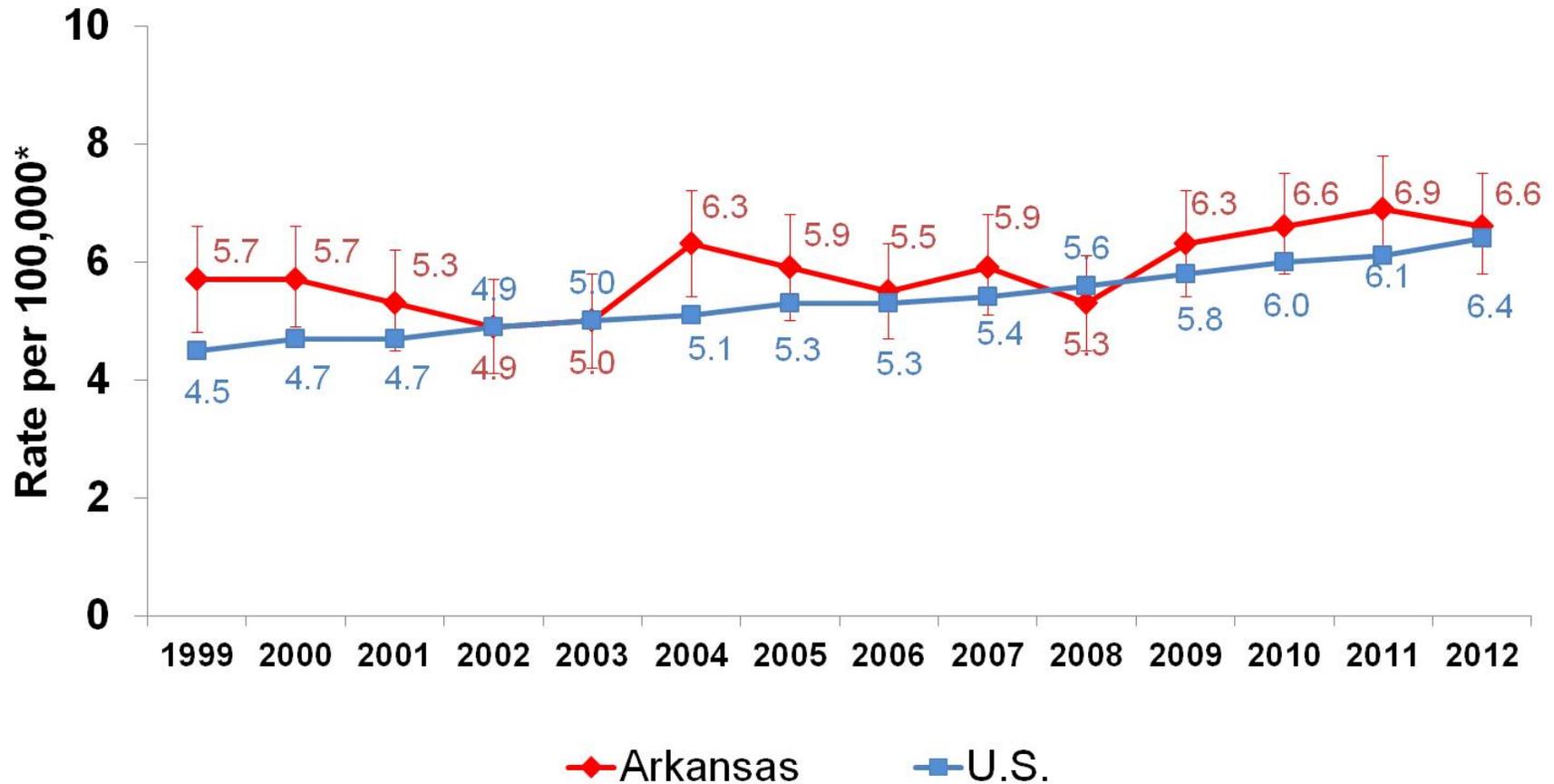
# Age-Adjusted Mortality Rates of Acute Myeloid Leukemia, Arkansas and U.S. 1999-2012



\*Mortality rates age-adjusted to the 2000 U.S. Standard Population

Sources: CDC Wonder; Compressed Mortality File, Underlying Cause of Death (<http://wonder.cdc.gov/mortSQL.html>)

# Age-Adjusted Mortality Rates of Liver and Intrahepatic Bile Duct, Arkansas and U.S. 1999-2012



\*Mortality rates age-adjusted to the 2000 U.S. Standard Population

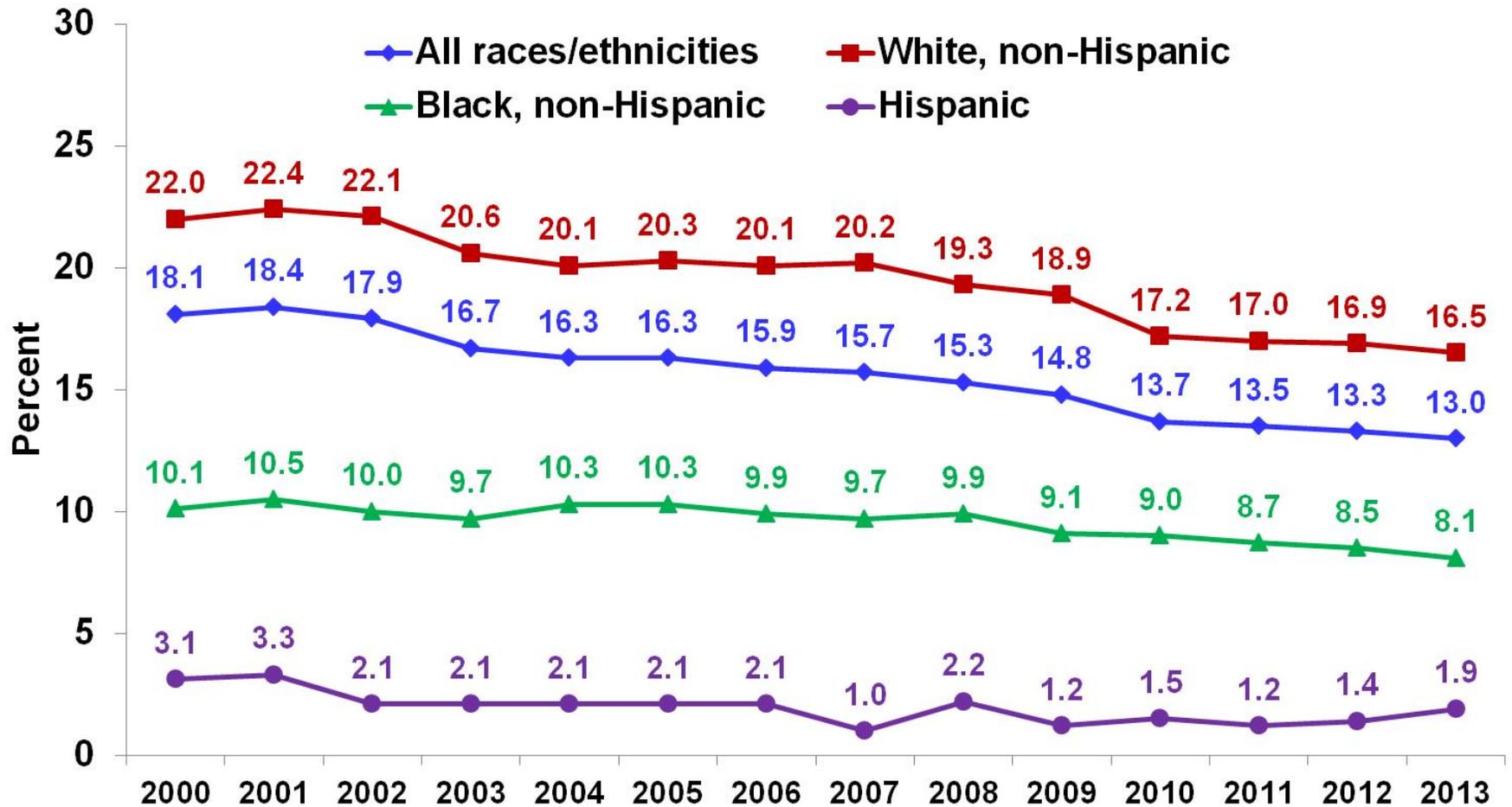
Sources: CDC Wonder; Compressed Mortality File, Underlying Cause of Death (<http://wonder.cdc.gov/mortSQL.html>)

# **SECTION IV**

## **Impact of Tobacco Use: Maternal and Child Health**

# **A. Mothers of All Ages Who Smoked During Pregnancy**

## Percent of All Mothers Who Smoked During Pregnancy by Race/Ethnicity Arkansas 2000-2013

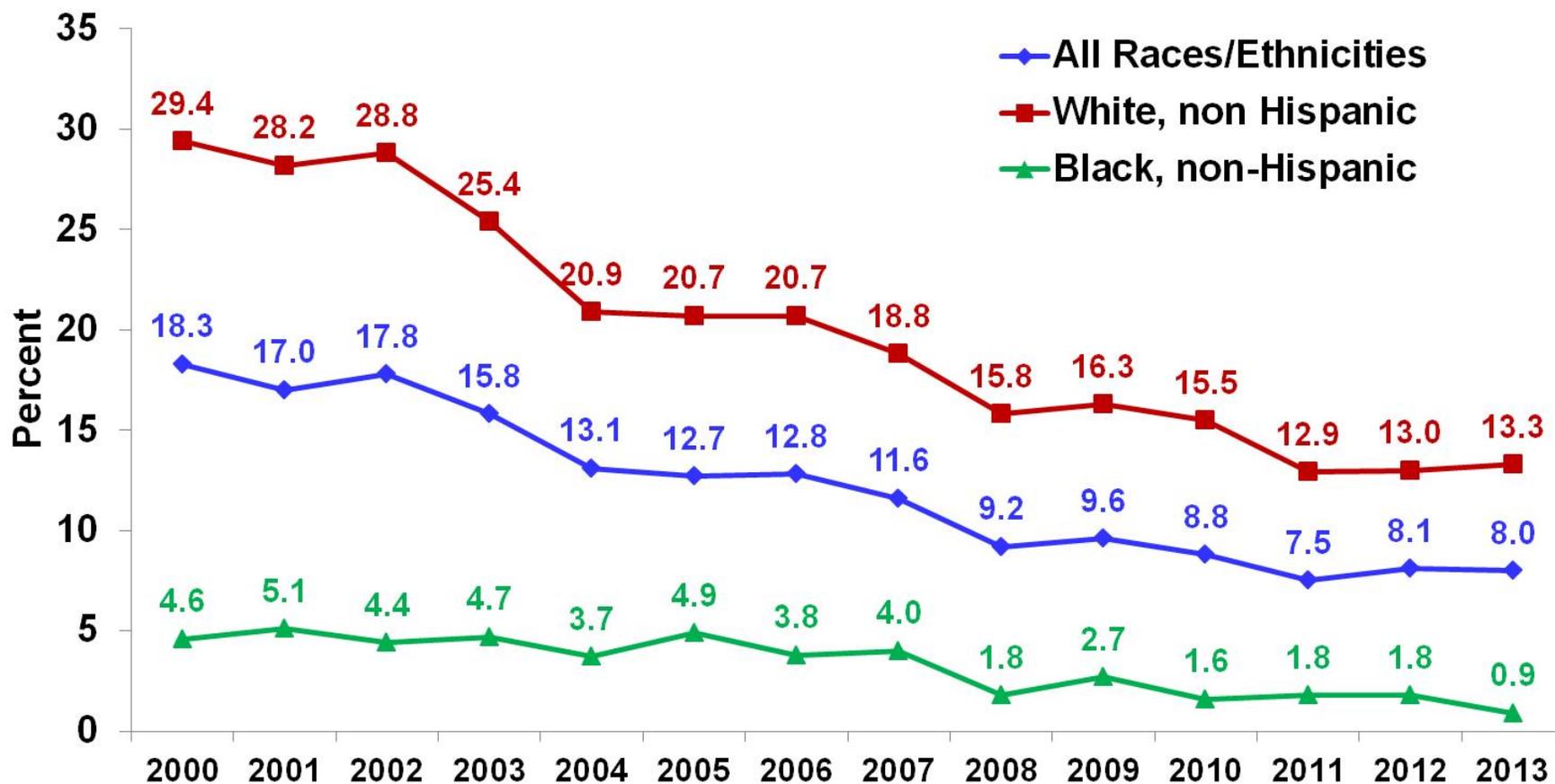


Notes: Percentages are based on approximately 38,000 resident births per year;  
2007-2013 data are provisional

Source: Vital Statistics System, Health Statistics Branch, Arkansas Department of Health

## **B. Teenage Mothers (<18 Years) Who Smoked During Pregnancy**

## Percent of Teen\* Mothers who Smoked During Pregnancy by Race/Ethnicity Arkansas 2000-2013



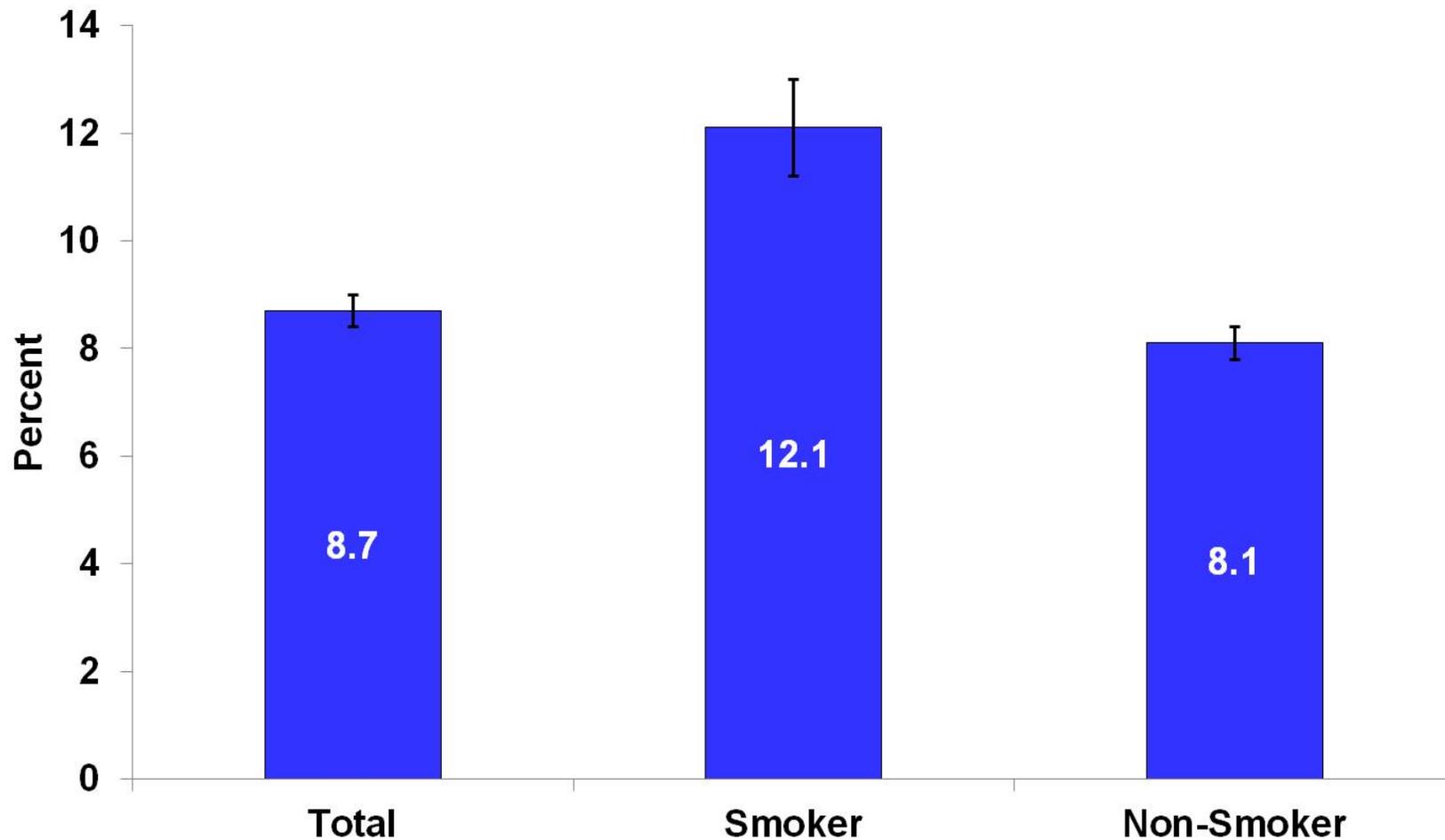
\* < 18 years of age

Notes: (1) Percentages are based on approximately 1,800 resident teen births per year. (2) Data for Hispanic teens are not displayed due to very small number who smoked during pregnancy. (3) 2007-2013 data are provisional.

Source: Vital Statistics System, Health Statistics Branch, Arkansas Department of Health

# **C. Low Birth Weight and Preterm Births by Maternal Smoking**

## Percent of Low Birth Weight\* Births by Maternal Smoking Status, Arkansas 2013

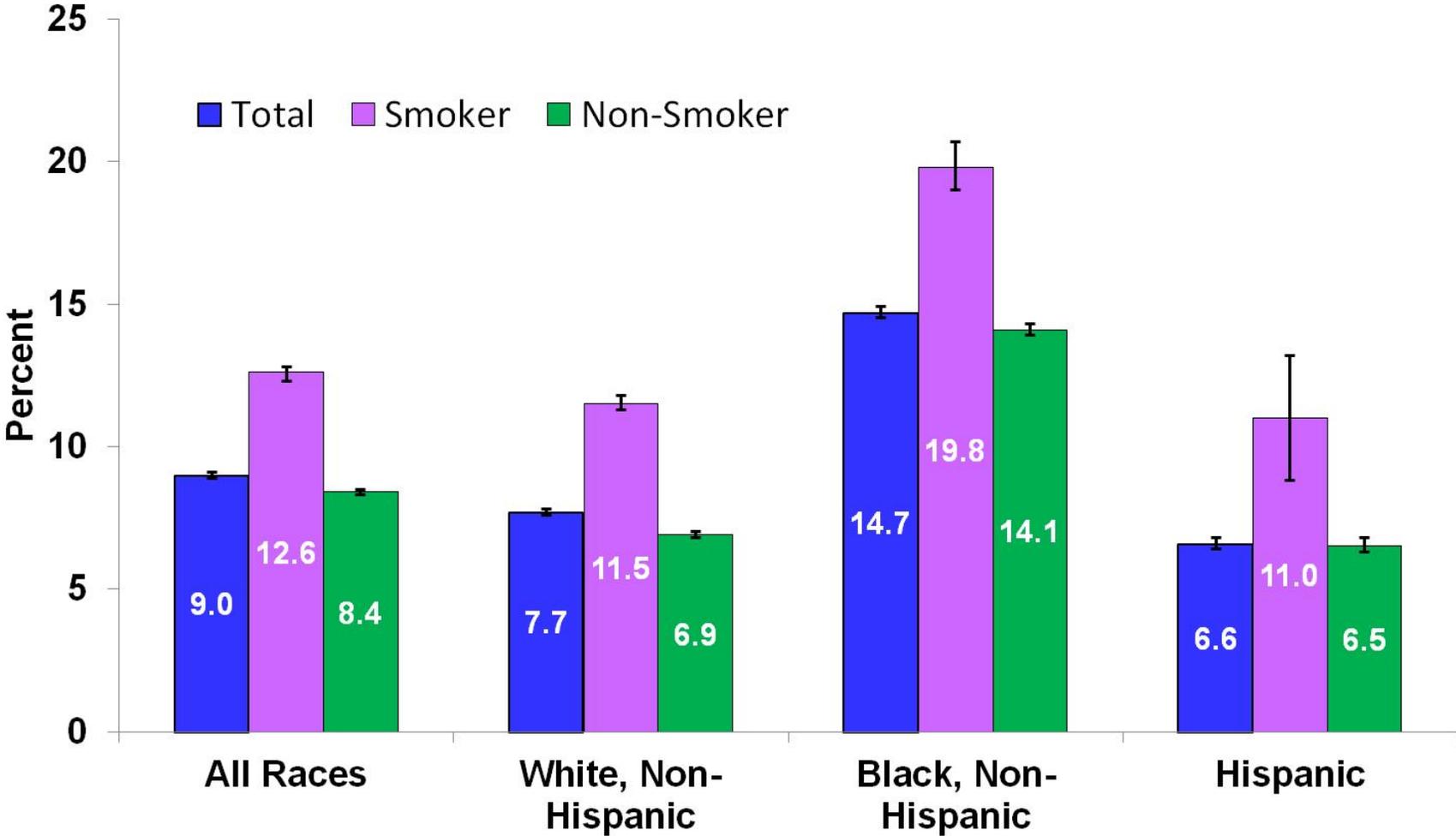


\* Low Birth Weight is defined as less than 2,500 grams. Number of LBW births in 2013 (N) = 3,627.

Note: 2013 data are provisional

Source: Vital Statistics System, Health Statistics Branch, Arkansas Department of Health

# Percent of Low Birth Weight\* Births by Race/Ethnicity and Maternal Smoking Status, Arkansas 2004-2013

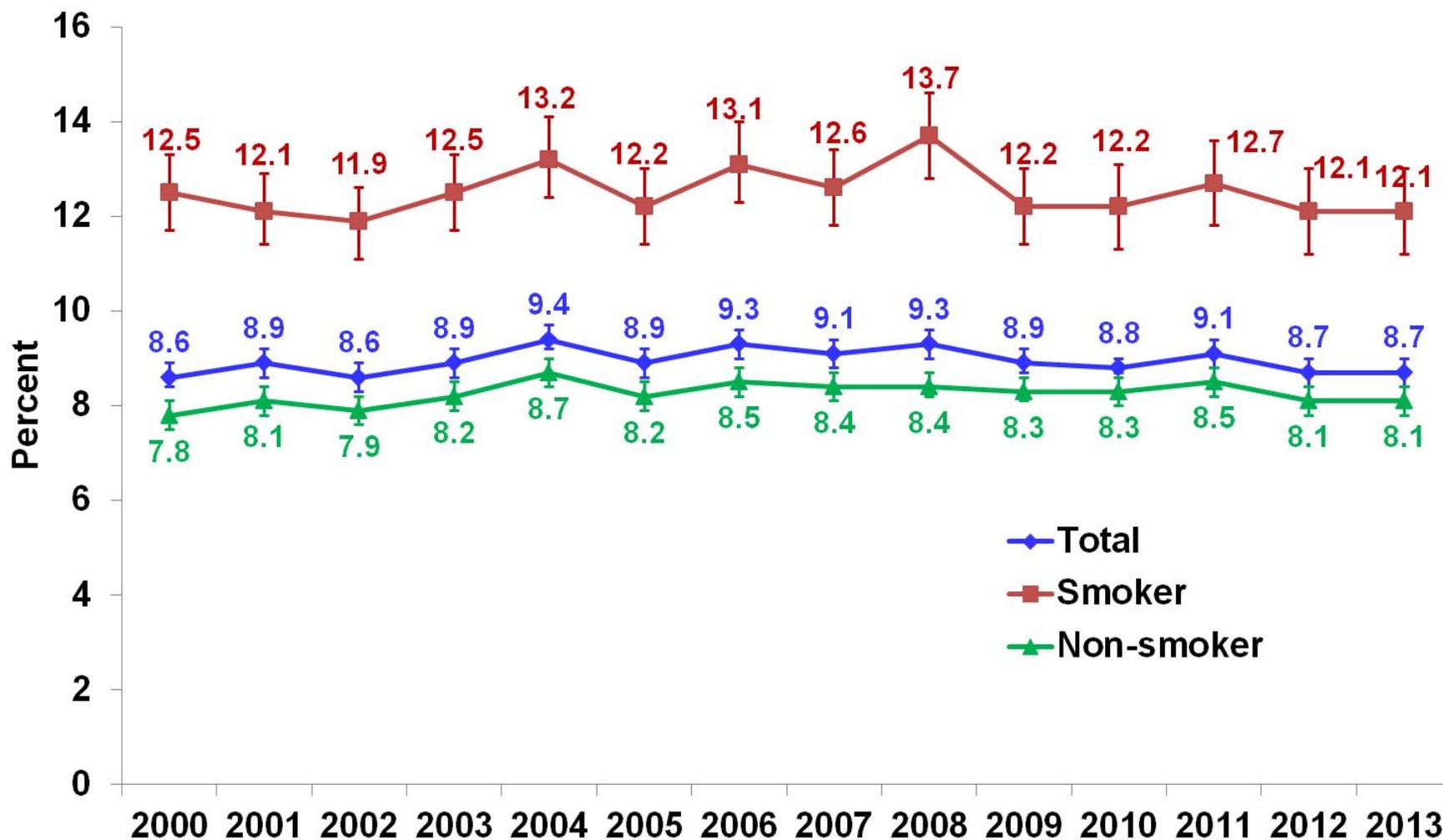


Note: 2007-2013 data are provisional

\* Low Birth Weight is defined as less than 2,500 grams (≈5.5 pounds)

Source: Vital Statistics System, Health Statistics Branch, Arkansas Department of Health

## Percent of Low Birth Weight\* Births by Maternal Smoking Status, Arkansas 2000-2013

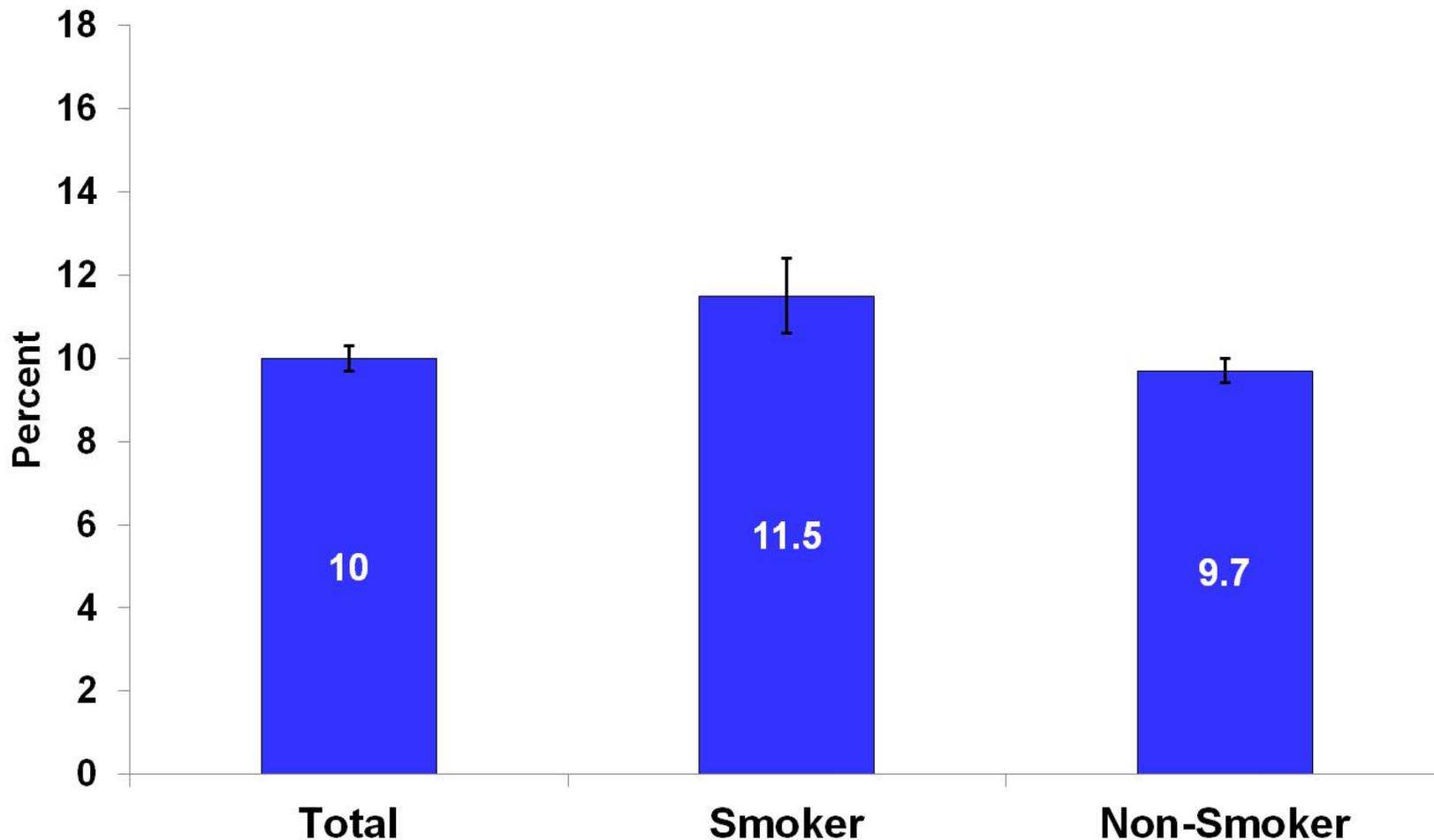


Note: 2007-2013 data are provisional

\* Low Birth Weight is defined as less than 2,500 grams (~5.5 pounds)

Source: Vital Statistics System, Health Statistics Branch, Arkansas Department of Health

# Percent of Preterm\* Births by Maternal Smoking Status, Arkansas 2013

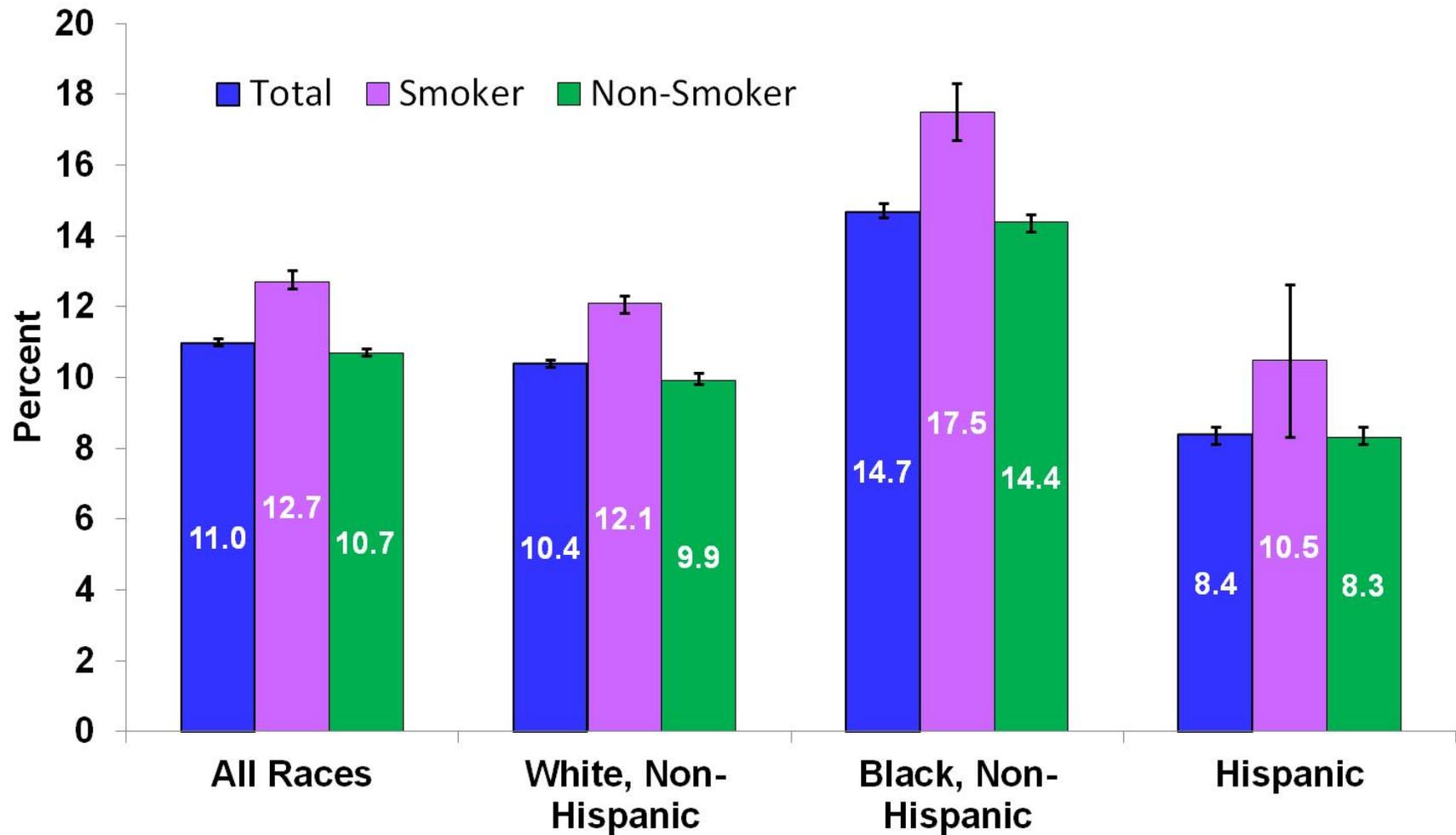


Note: 2013 data are provisional

\* Preterm is defined as less than 37 weeks gestation. Number of preterm births in 2013 (N) = 3,825

Source: Vital Statistics System, Health Statistics Branch, Arkansas Department of Health

# Percent of Preterm\* Births by Race/Ethnicity and Maternal Smoking Status, Arkansas 2004-2013

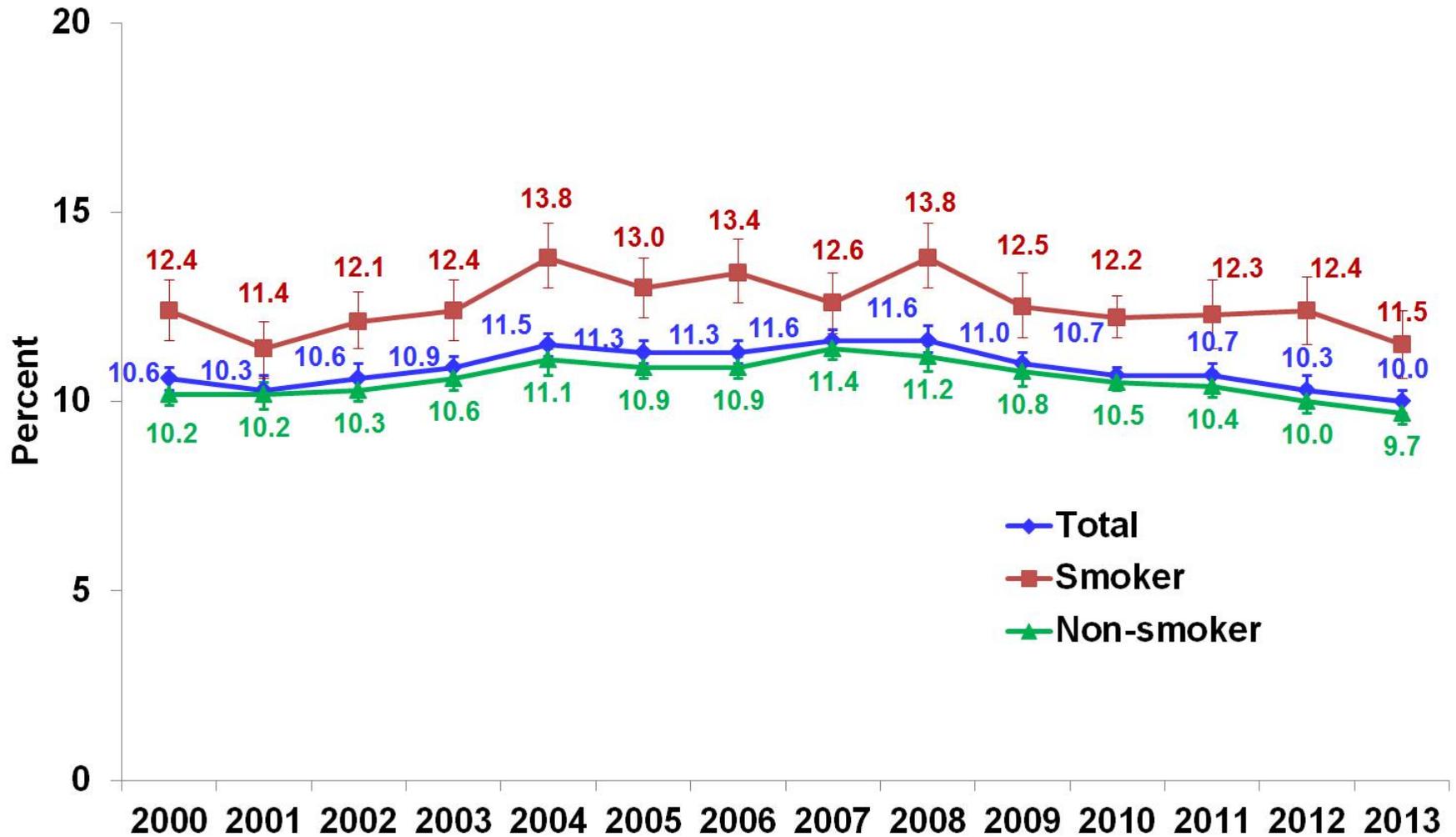


Note: 2007-2013 data are provisional

\* Preterm is defined as less than 37 weeks gestation.

Source: Vital Statistics System, Health Statistics Branch, Arkansas Department of Health

## Percent of Preterm\* Births by Maternal Smoking Status, Arkansas 2000-2013



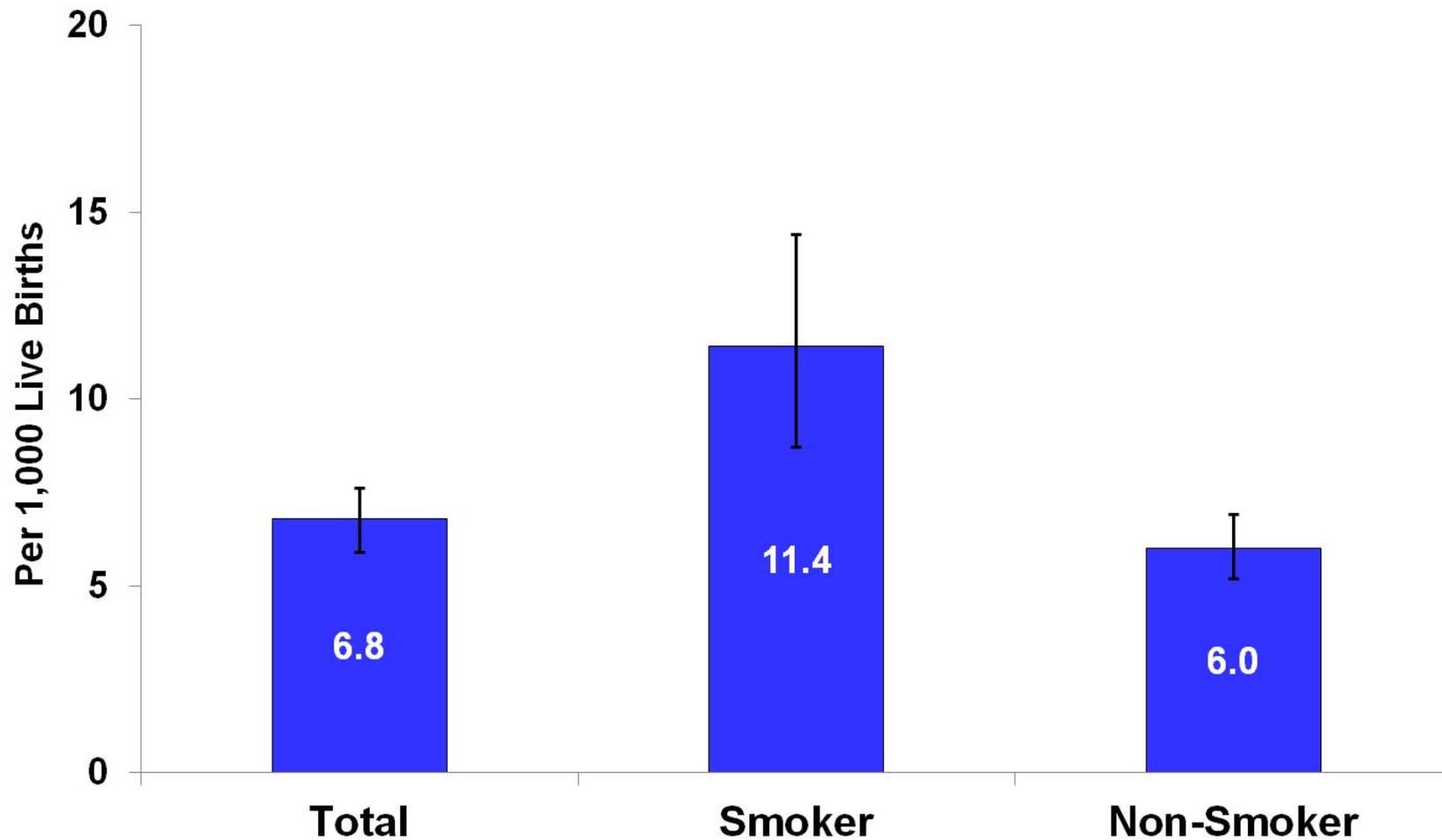
Note: 2007-2013 data are provisional

\* Preterm is defined as less than 37 weeks gestation.

Source: Vital Statistics System, Health Statistics Branch, Arkansas Department of Health

# **D. Infant Mortality by Maternal Smoking**

# Infant Mortality Rate by Maternal Smoking Status, Arkansas 2012

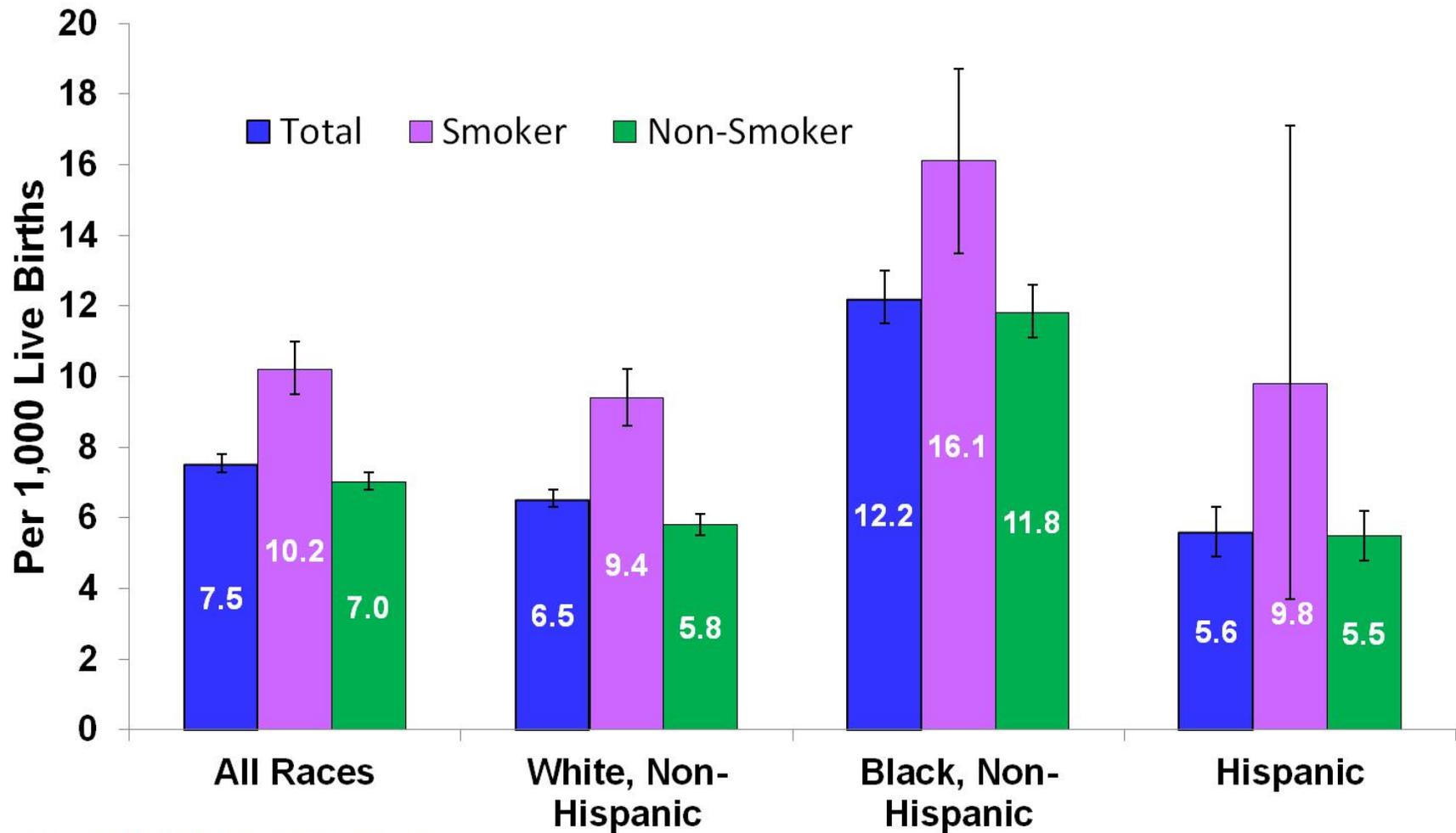


Note: 2012 data are provisional

Source: Linked Birth/Infant Death Data, Vital Statistics System, Health Statistics Branch, Arkansas Department of Health

Number of infant deaths in 2012 (N) = 256.

# Infant Mortality Rate by Race/Ethnicity and Maternal Smoking Status, Arkansas 2001-2012

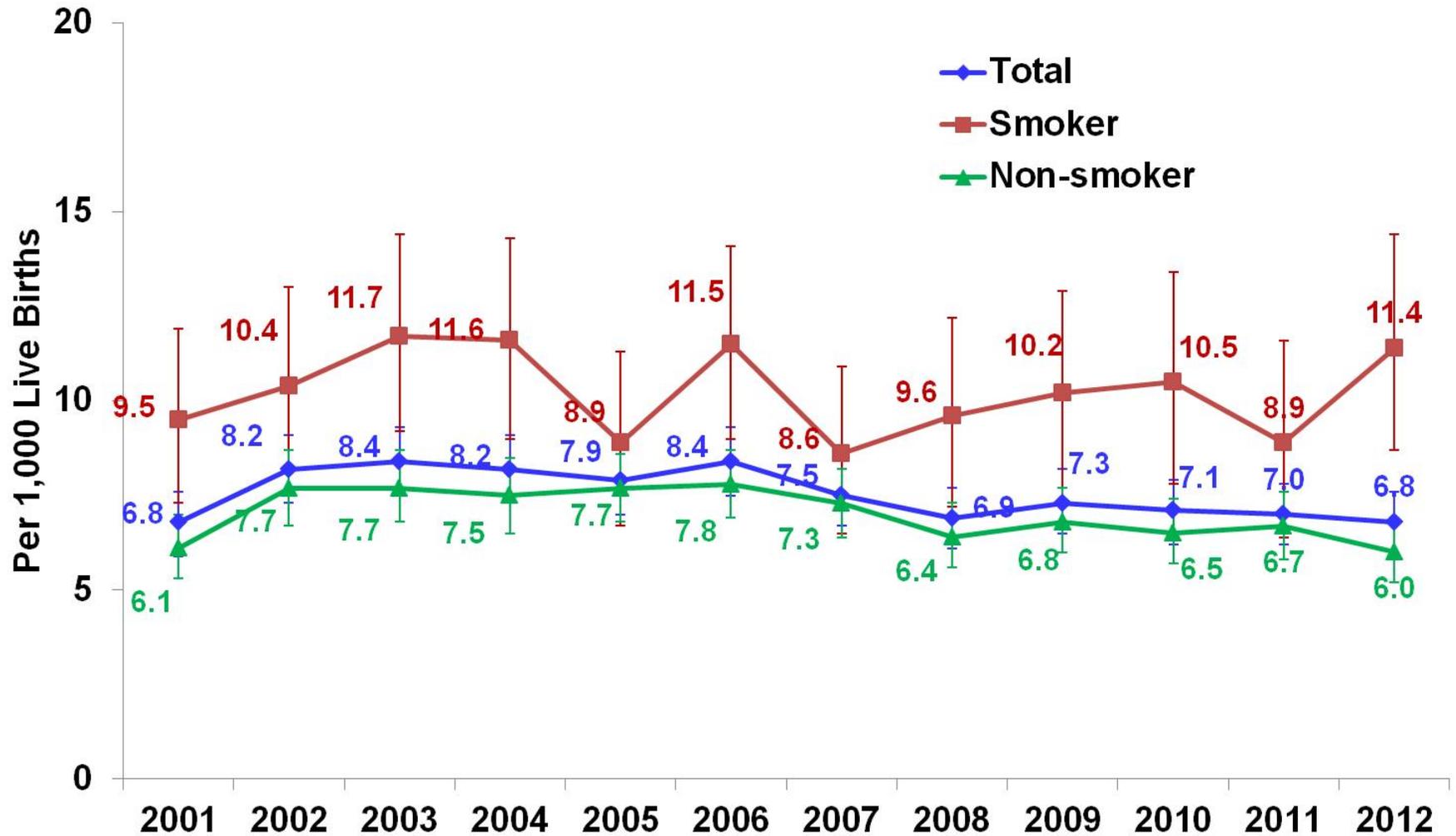


Note: 2007-2012 data are provisional

Source: Linked Birth/Infant Death Data, Vital Statistics System, Health Statistics Branch, Arkansas Department of Health

Number of infant deaths in 2001-2012 (N) = 3,503

## Infant Mortality Rate by Maternal Smoking Status, Arkansas 2001-2012



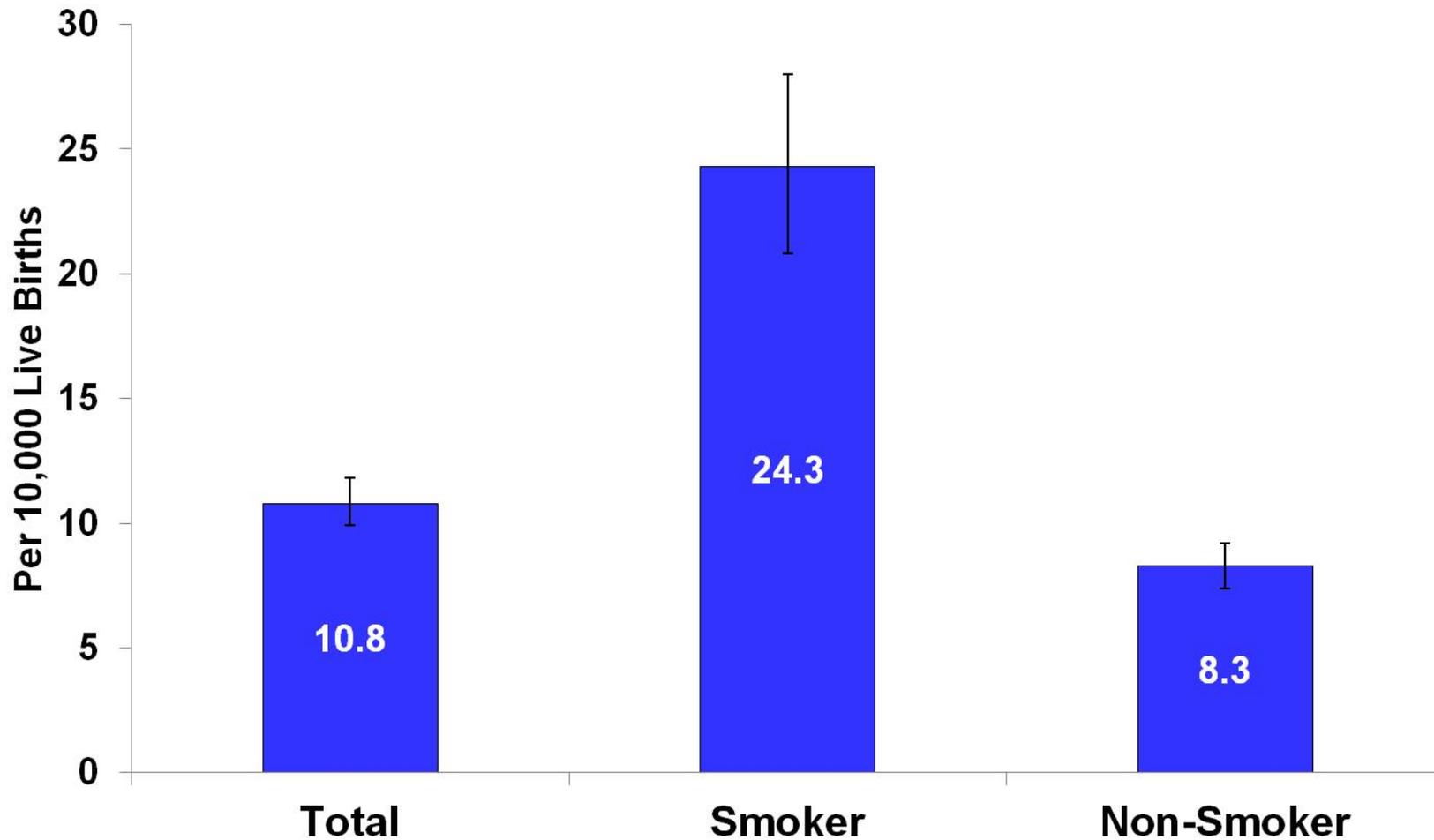
Note: 2007-2012 data are provisional

Source: Linked Birth/Infant Death Data bases on death year, Vital Statistics System, Health Statistics Branch

# **E. SIDS Mortality by Maternal Smoking**

SIDS = Sudden Infant Death Syndrome

## SIDS\* Mortality Rate by Maternal Smoking Status, Arkansas 2000-2012

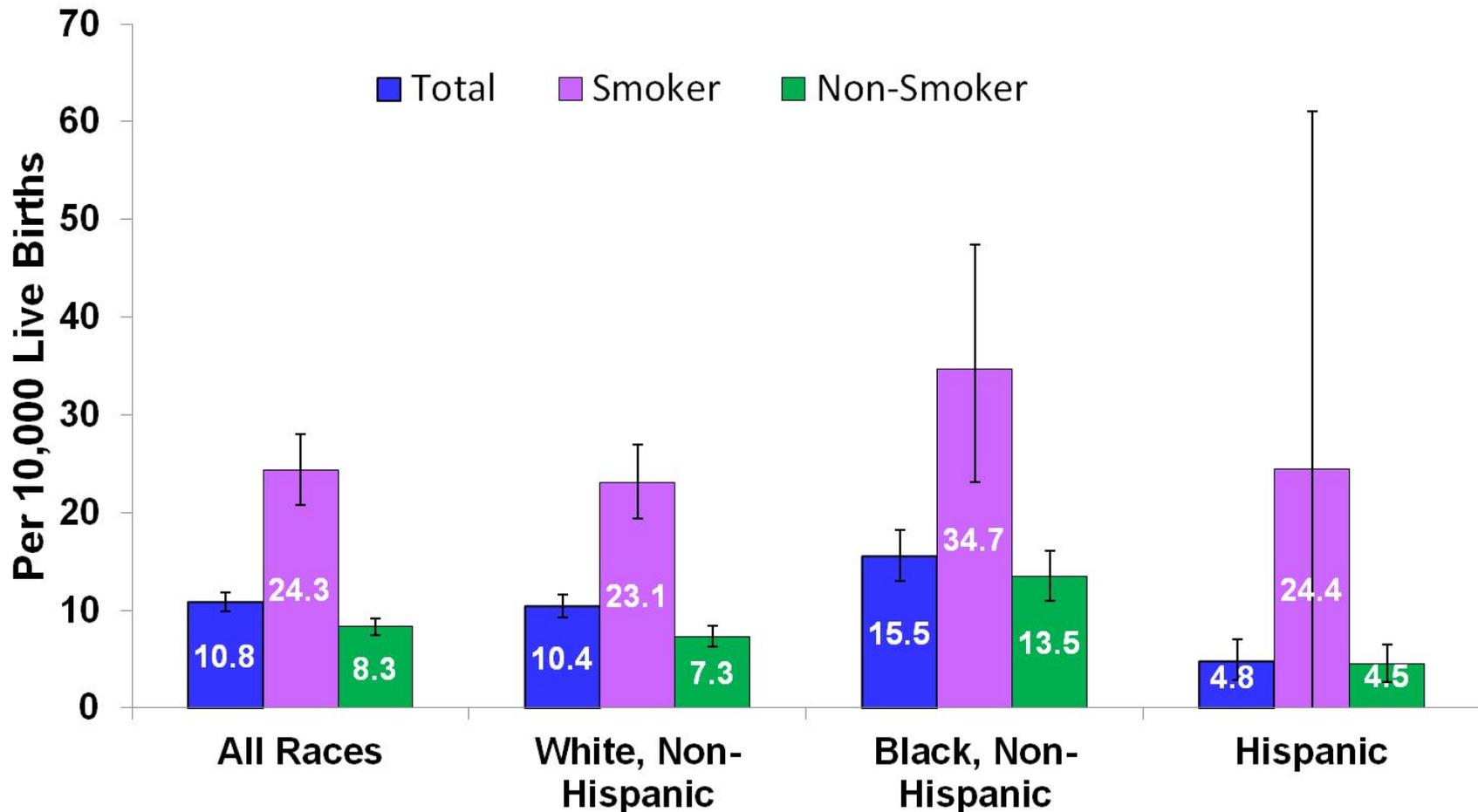


Note: 2007-2012 data are provisional

\* ICD-10 Code for SIDS: 'R95'. Number of SIDS deaths from 2000 through 2012 (N) = 503.

Source: Linked Birth/Infant Death Data, Vital Statistics System, Health Statistics Branch, Arkansas Department of Health

# SIDS\* Mortality Rate by Race/Ethnicity and Maternal Smoking Status, Arkansas 2000-2012



Note: 2007-2012 data are provisional

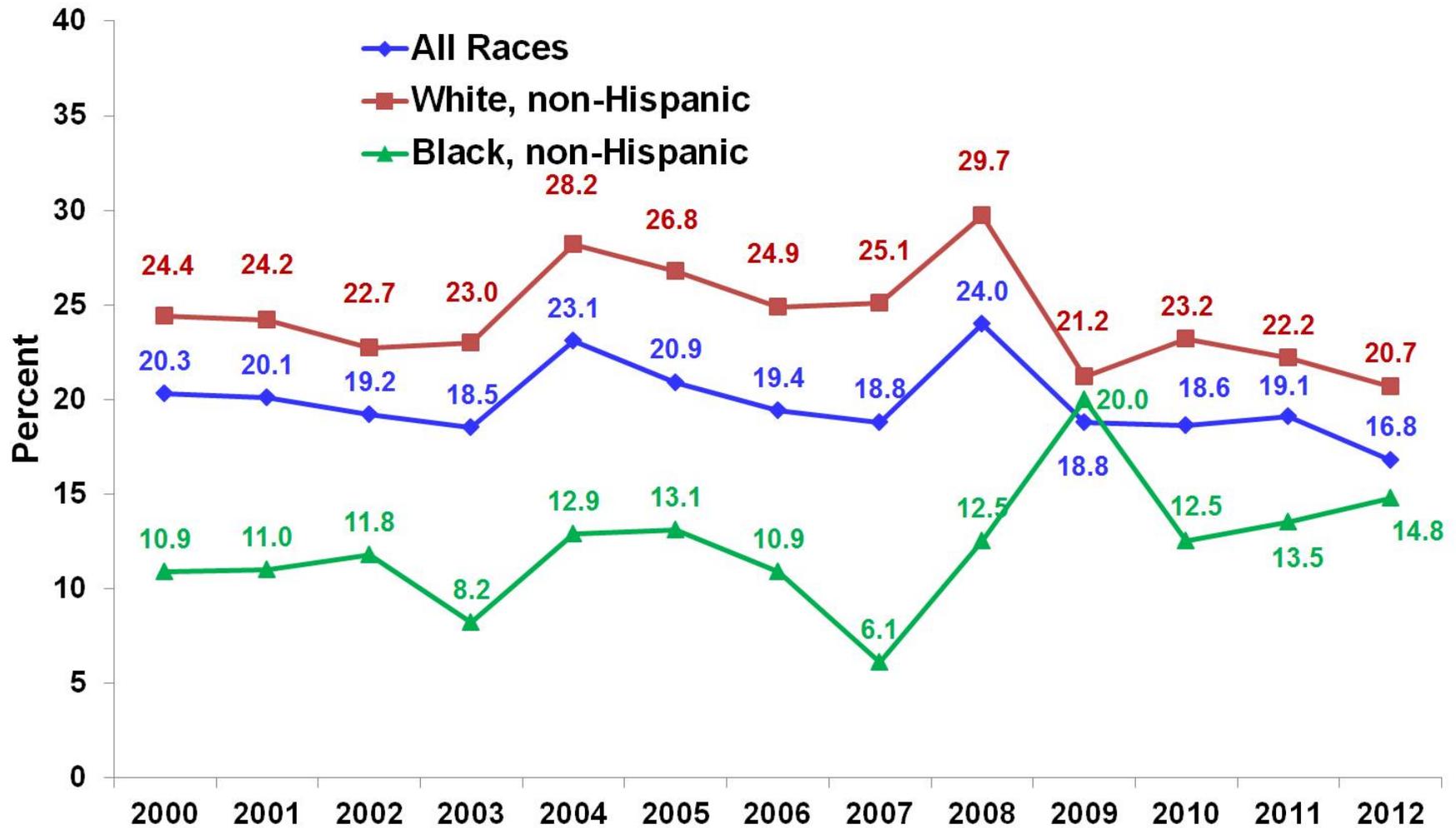
\* ICD-10 Code for SIDS: 'R95'. Number of SIDS deaths from 2000-2012 for Total: N=503; White, non-Hispanic: N=331; Black, non-Hispanic: N=139; Hispanic: N=22.

Source: Linked Birth/Infant Death Data based on death year, Vital Statistics System, Health Statistics Branch

## **F. PRAMS Indicators**

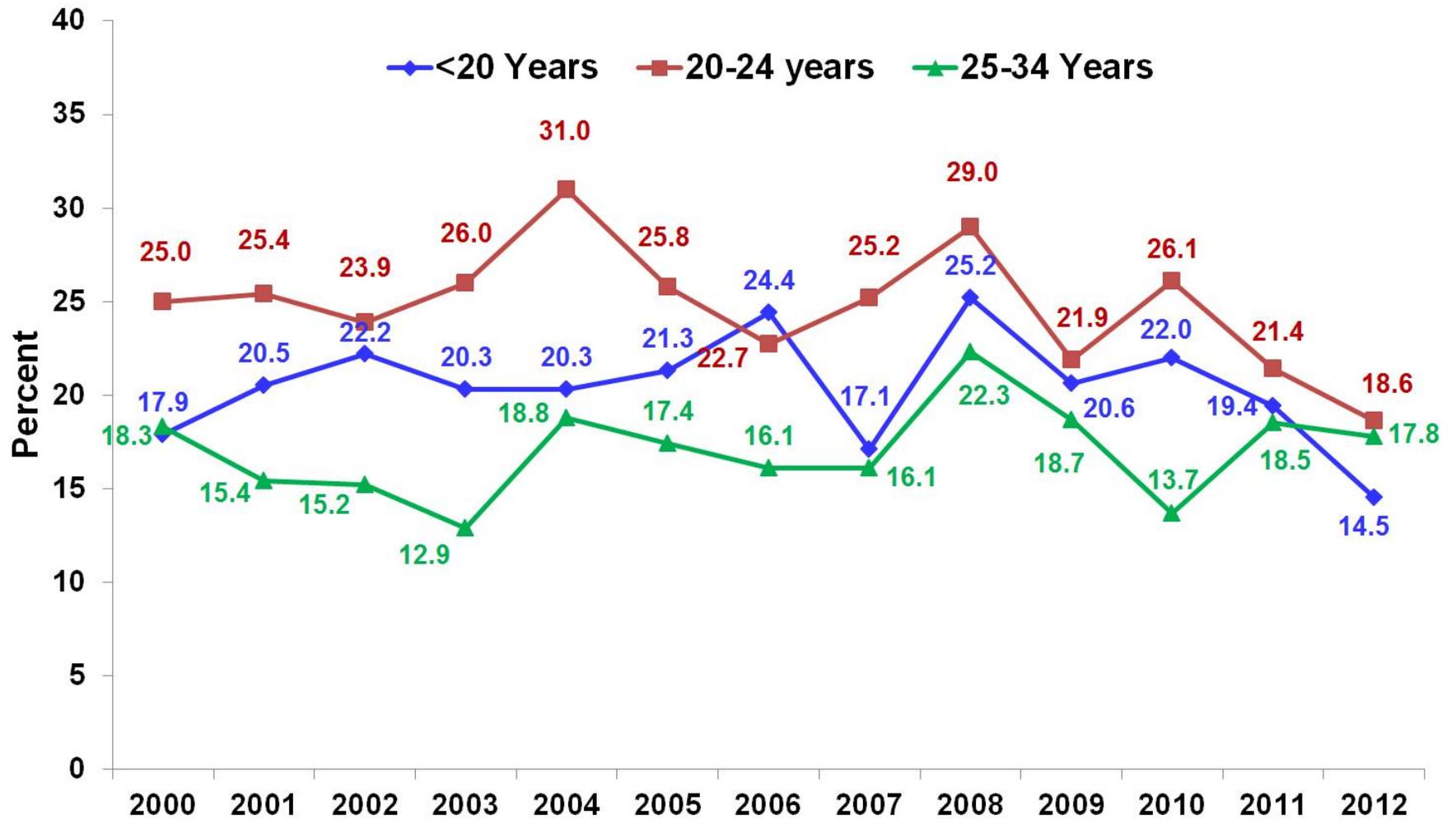
PRAMS = Pregnancy Risk Assessment Monitoring System

## Percent of PRAMS Respondents Who Reported Smoking During Last Three Months of Pregnancy by Race/Ethnicity, Arkansas PRAMS 2000-2012



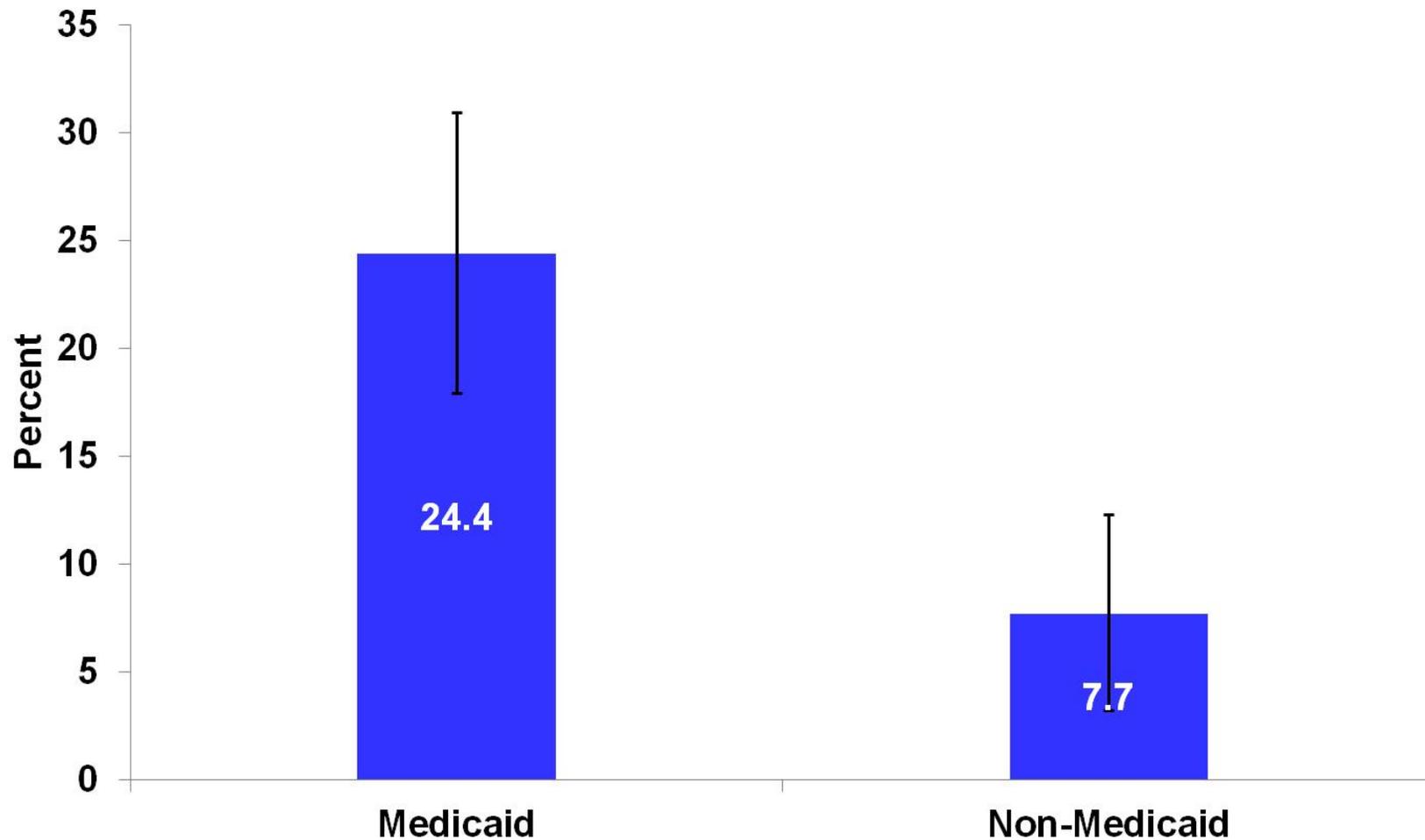
Source: Pregnancy Risk Assessment Monitoring System (PRAMS)

## Percent of PRAMS Respondents Who Smoked During Last Three Months of Pregnancy by Age of Respondent, Arkansas PRAMS 2000-2012



Source: Pregnancy Risk Assessment Monitoring System (PRAMS)

# PRAMS Respondents Who Smoked\* by Medicaid Status\*\*, Arkansas PRAMS 2012



\*Smoking Status: Respondent reported smoking during last three months of pregnancy

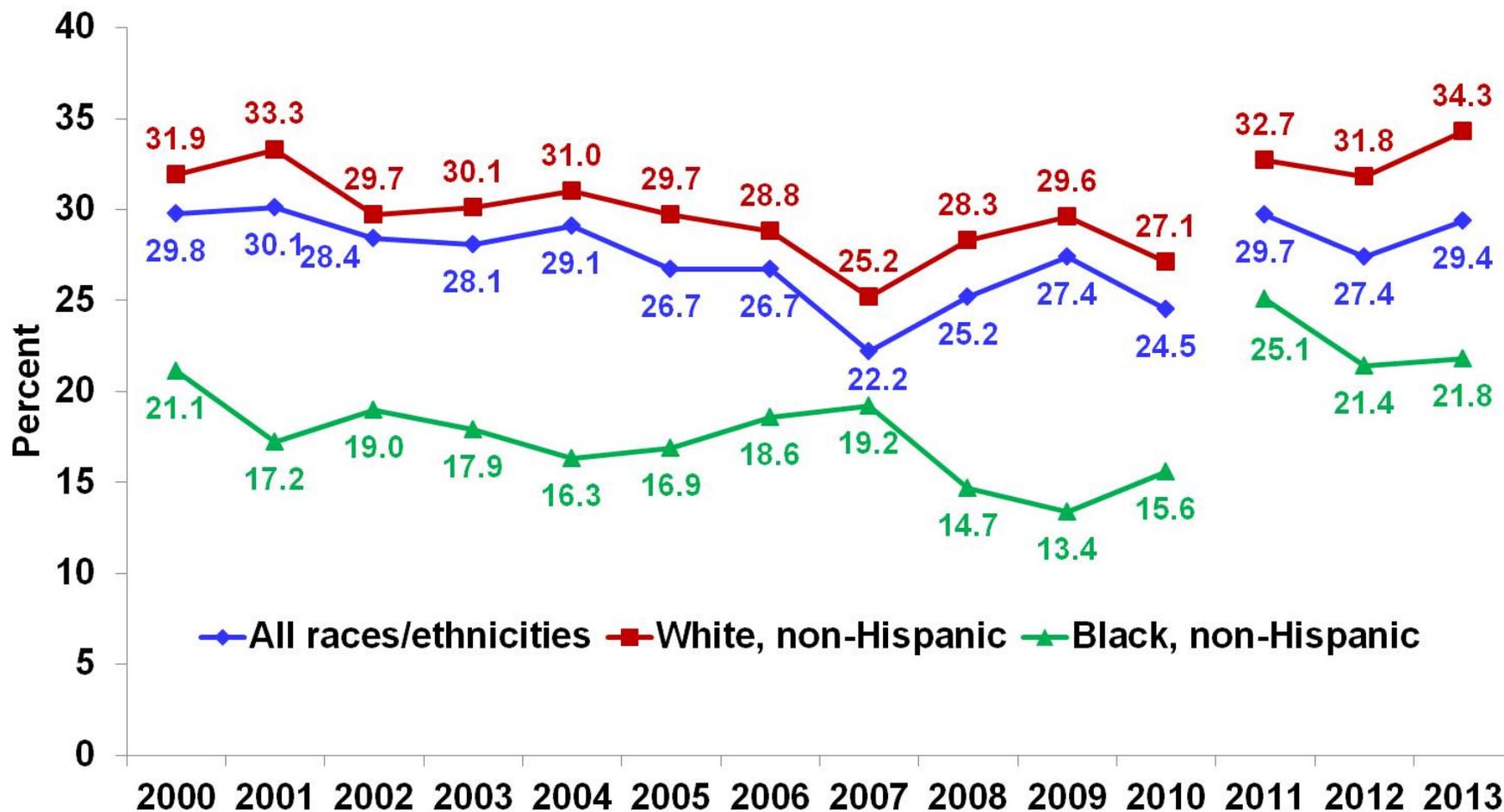
\*\* Medicaid Status: Respondent reported receiving Medicaid before or at any time during pregnancy

Source: Pregnancy Risk Assessment Monitoring System (PRAMS)

## **G. BRFSS Indicators**

BRFSS = Behavioral Risk Factor Surveillance System

## Percent of Adult Women 18-44 Years of Age Who Are Current Smokers by Race/Ethnicity Arkansas 2000-2013

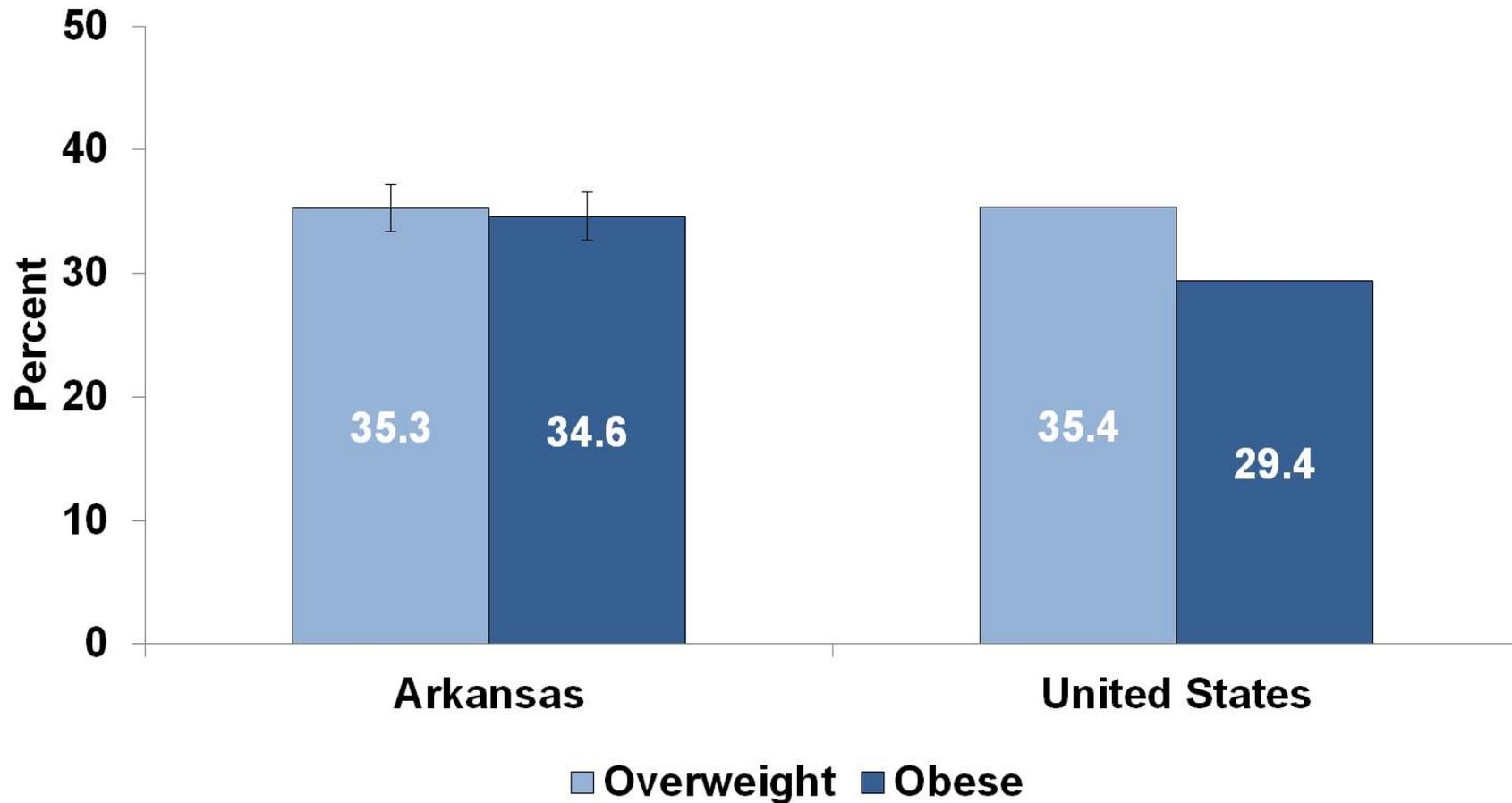


Note: BRFSS methodology changed in 2011. 2011 is considered a new baseline.  
 Source: Behavioral Risk Factor Surveillance System (BRFSS)

# **SECTION V**

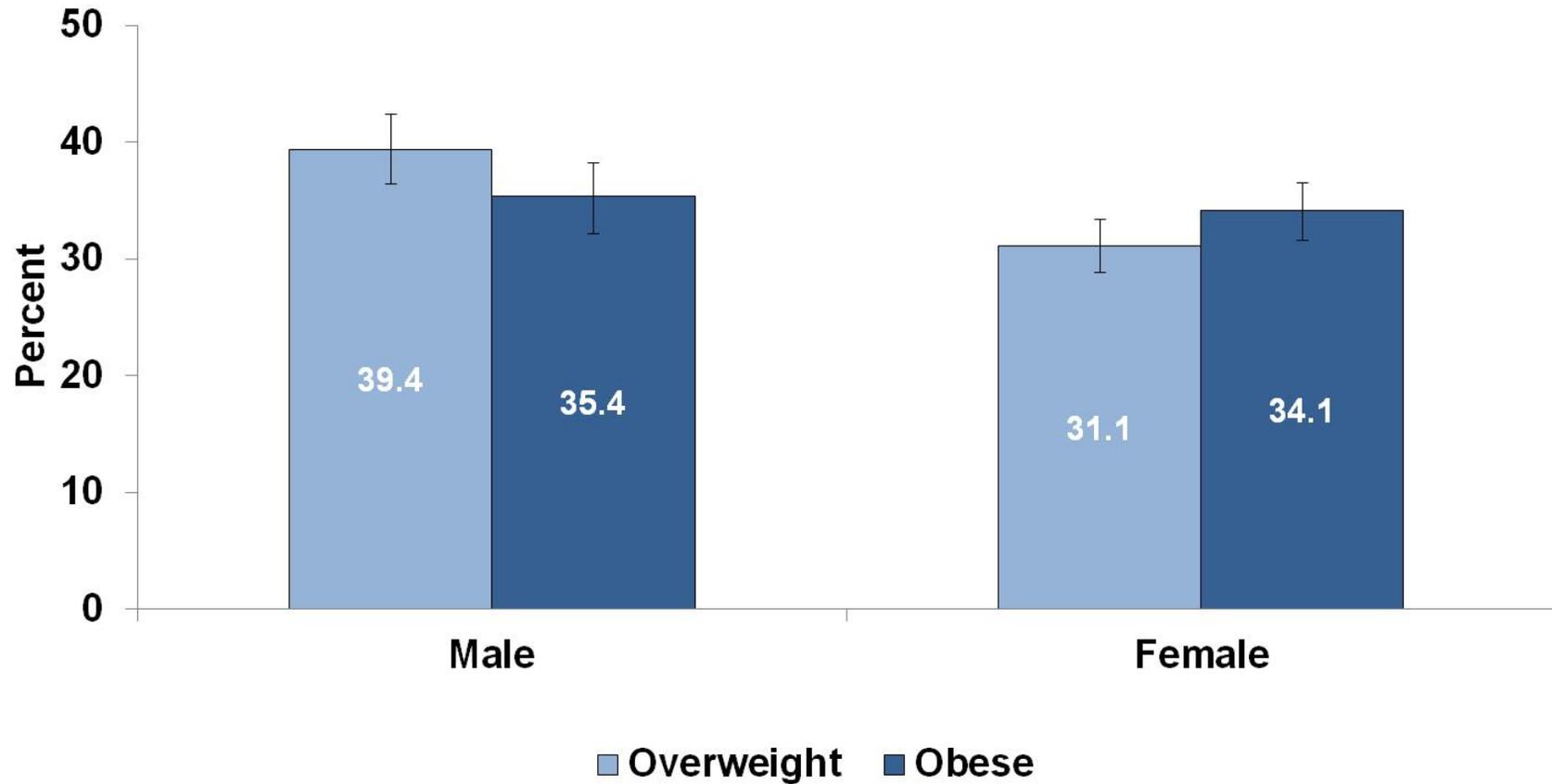
## **Impact of Tobacco Use: Overweight and Obese**

## Adult Weight Classification by BMI, Arkansas and U.S. 2013



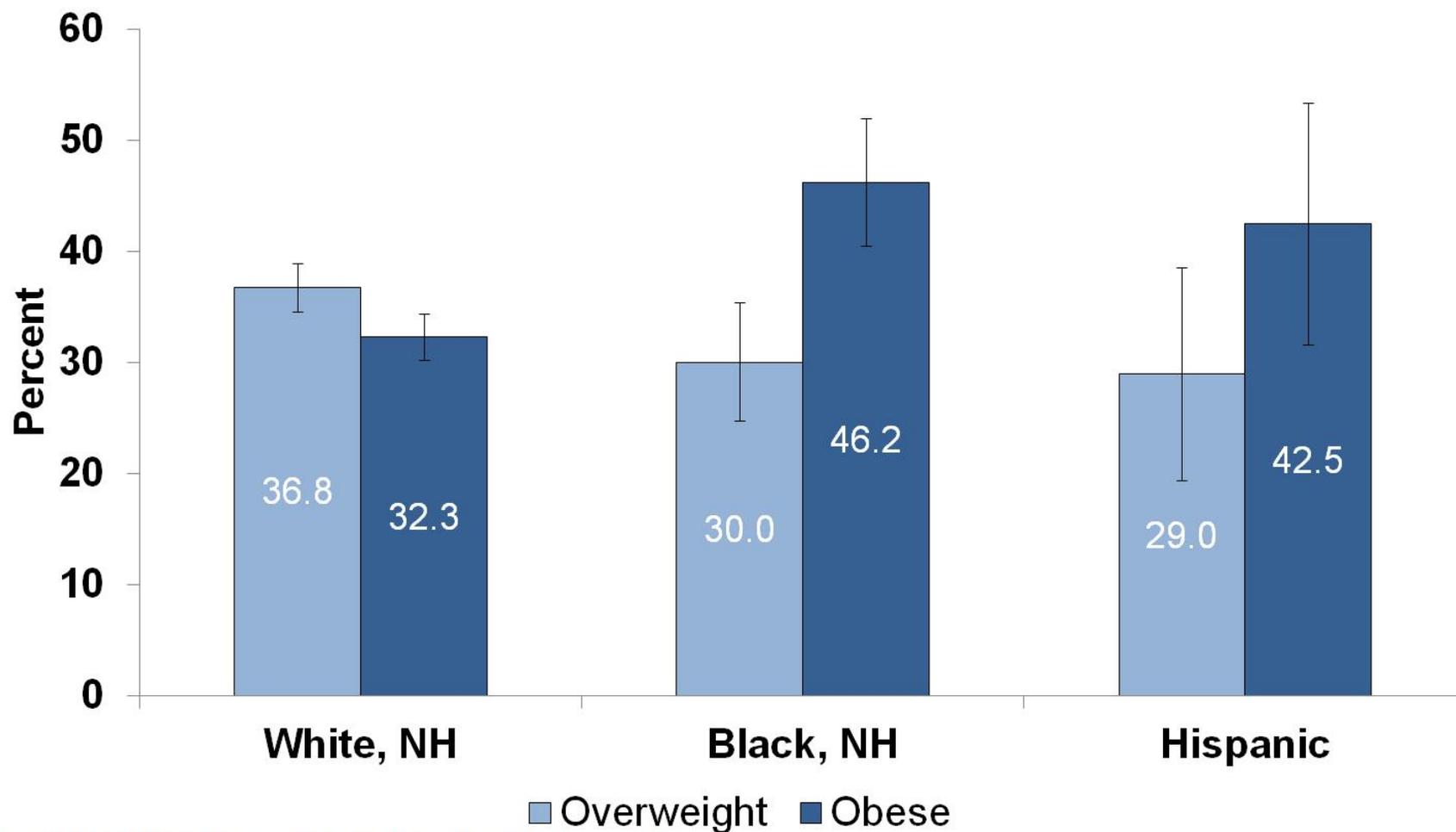
Body Mass Index (BMI) Categories: Overweight = 25-29.9; Obese  $\geq$  30  
Source: Behavioral Risk Factor Surveillance System (BRFSS)

## Adult Weight Classification by BMI by Gender, Arkansas 2013



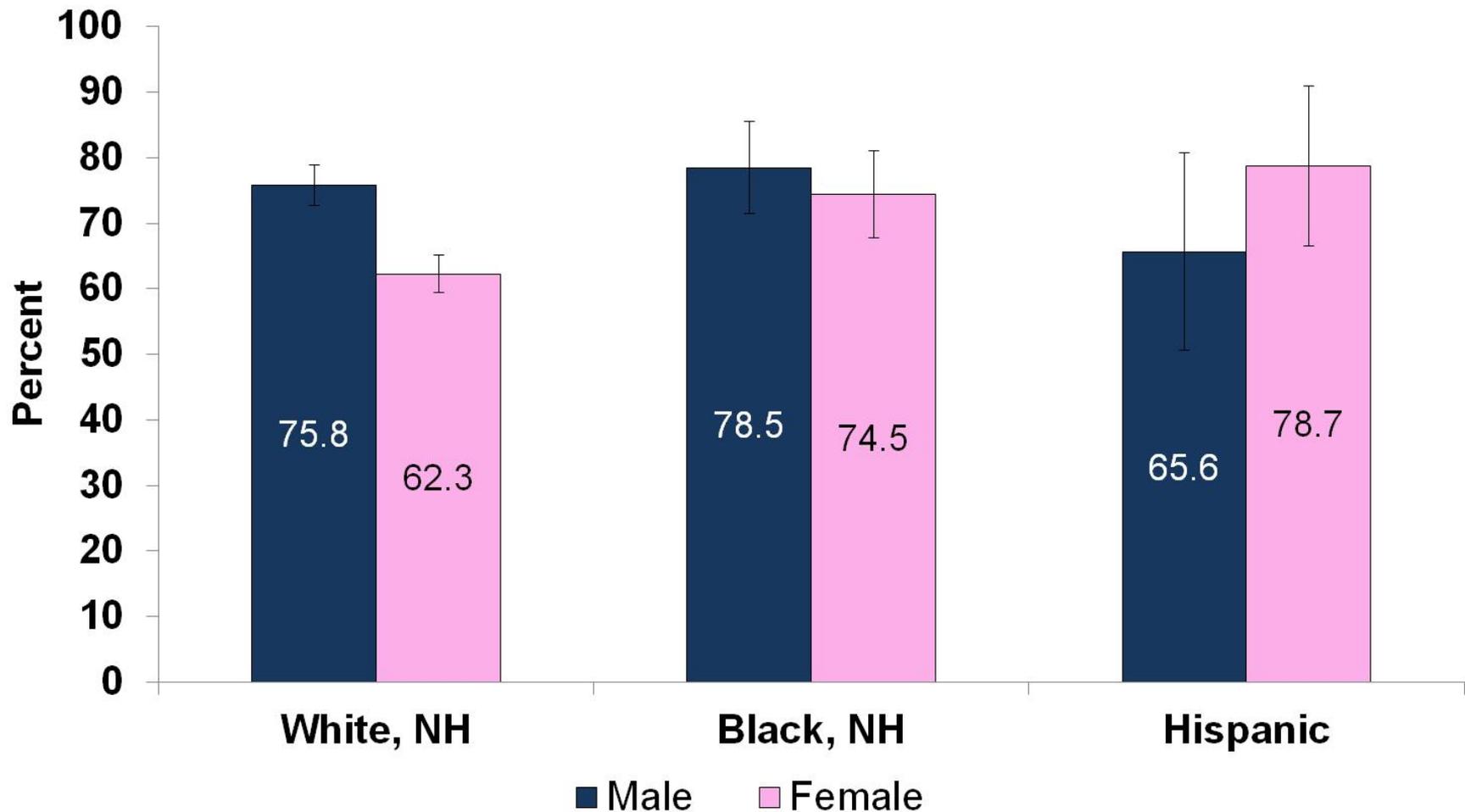
Body Mass Index (BMI) Categories: Overweight = 25-29.9; Obese  $\geq$  30  
Source: Behavioral Risk Factor Surveillance System (BRFSS)

## Adult Weight Classification by BMI by Race, Arkansas 2013



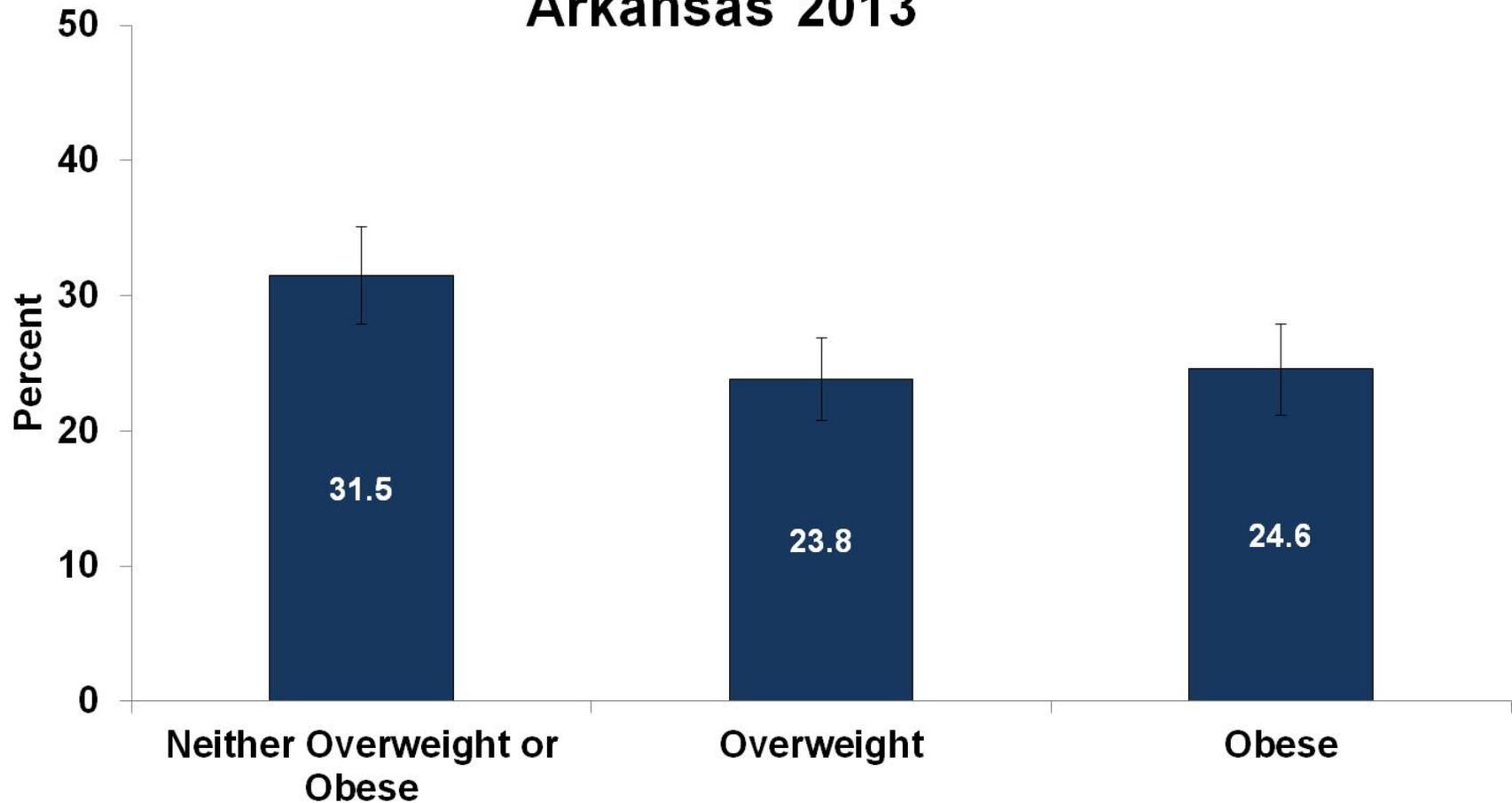
Body Mass Index (BMI) Categories: Overweight = 25-29.9; Obese  $\geq$  30  
Source: Behavioral Risk Factor Surveillance System (BRFSS)

## Percentage of Adults Who are Overweight or Obese, by Race and Gender, Arkansas 2013



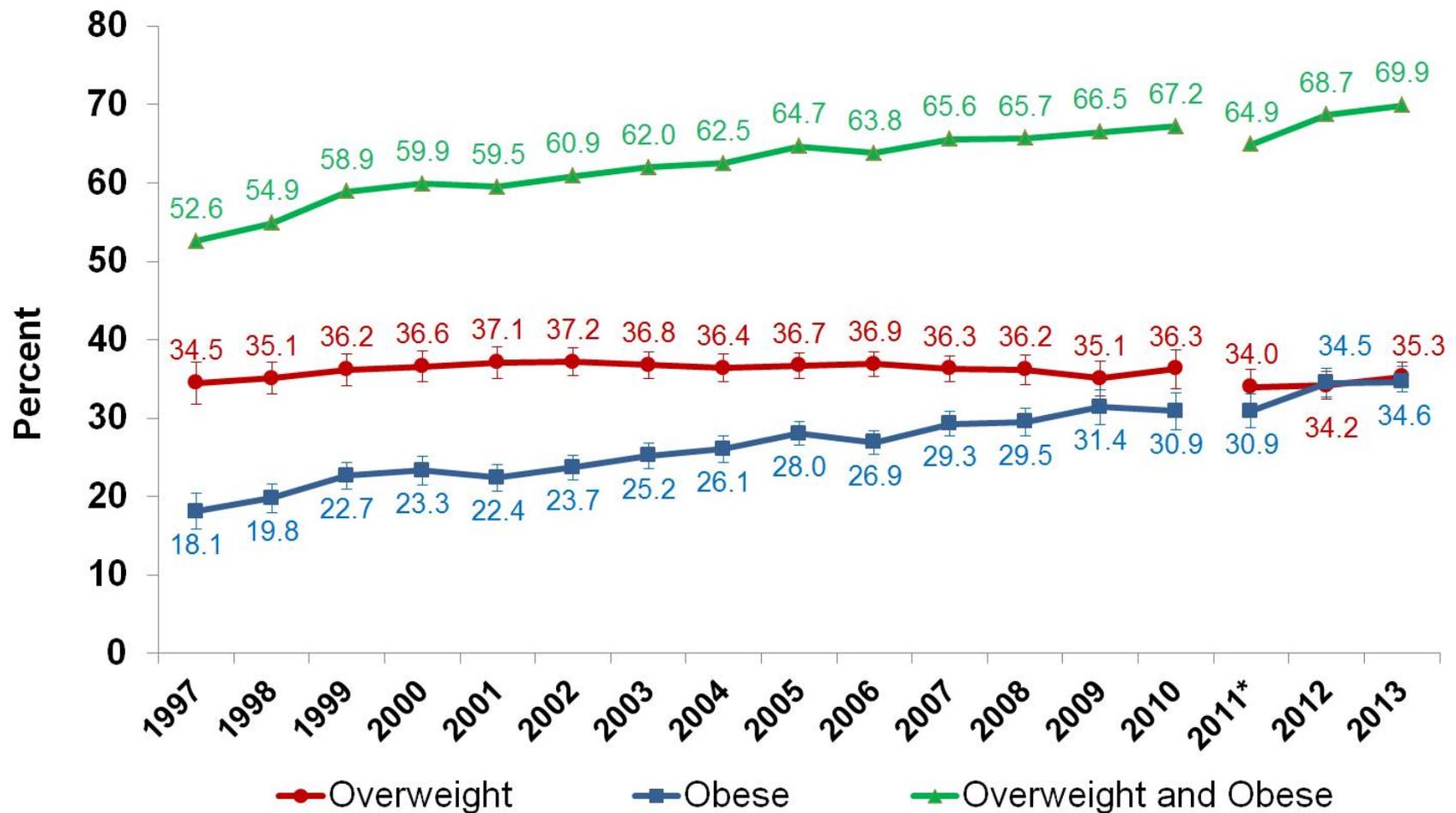
Body Mass Index (BMI) Categories: Overweight = 25-29.9; Obese  $\geq$  30  
Source: Behavioral Risk Factor Surveillance System (BRFSS)

# Percent of Adults Who Are Current Smokers by Weight Classification Categories Using BMI Arkansas 2013



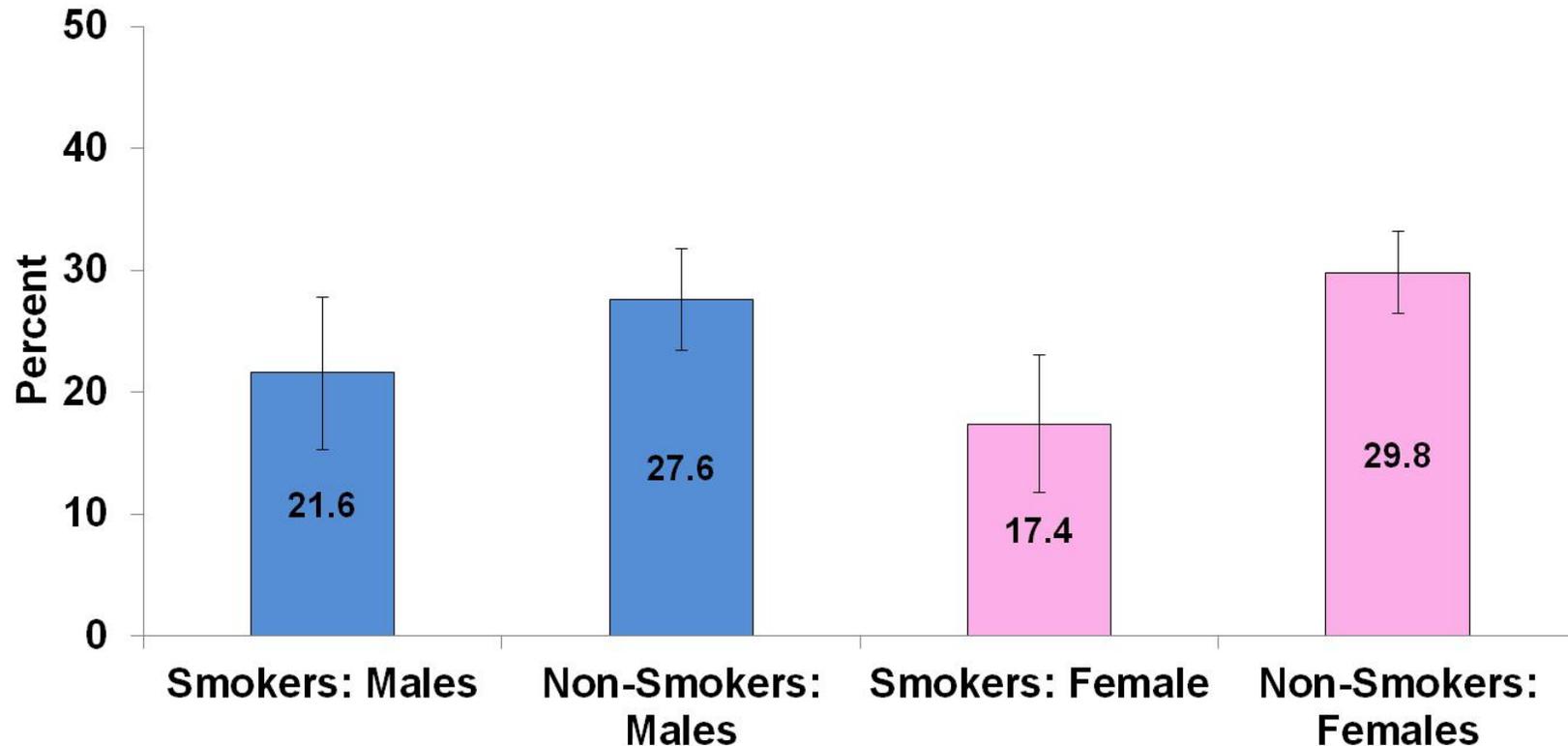
Body Mass Index (BMI) Categories: Neither Overweight or Obese <25; Overweight = 25-29.9; Obese  $\geq$  30  
Source: Behavioral Risk Factor Surveillance System (BRFSS)

# Trends for Adult Arkansans Overweight or Obese by Year 1997-2013



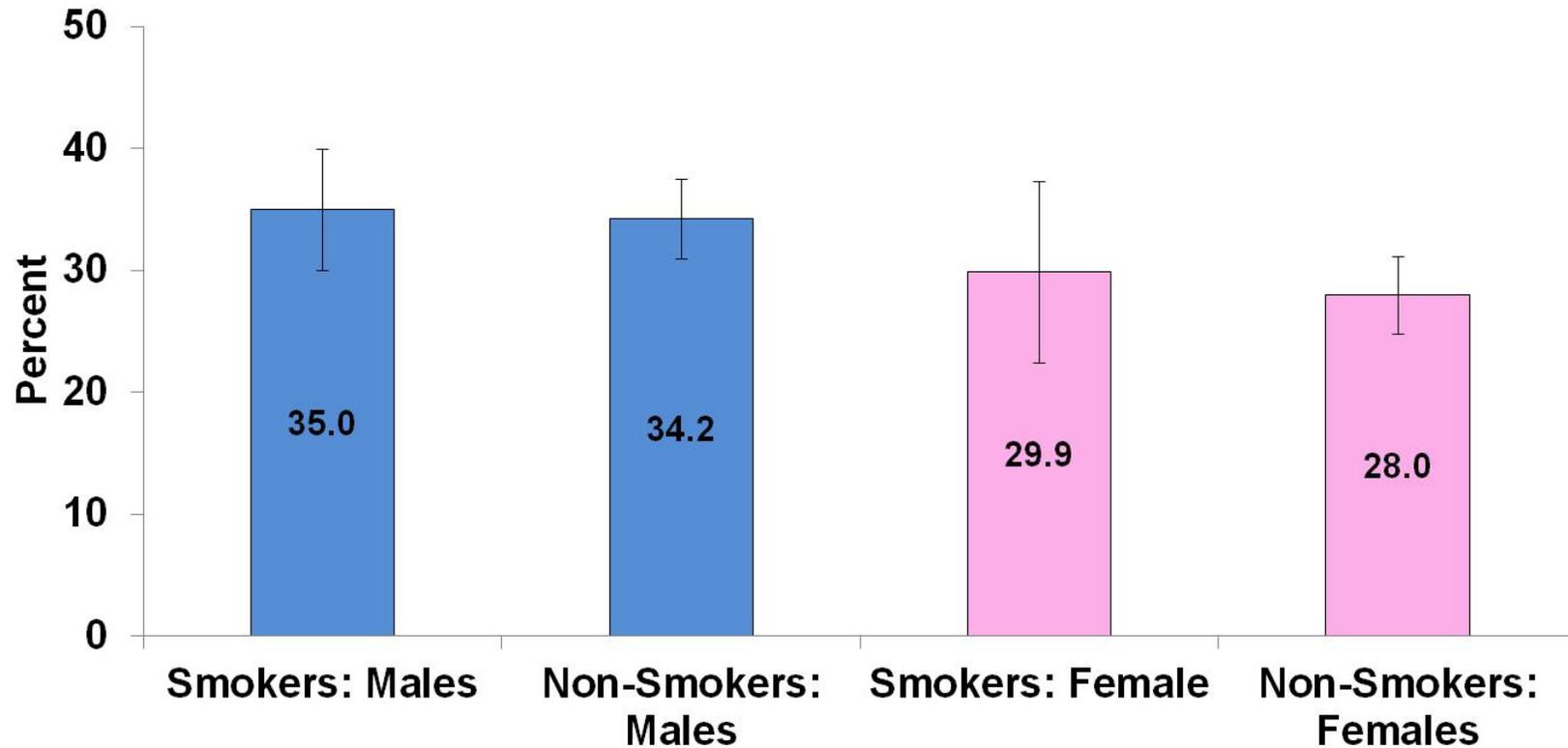
Body Mass Index (BMI) Categories: Overweight = 25-29.9; Obese ≥ 30  
 \*Due to change in methodology, 2011 BRFSS is considered a new baseline  
 Source: Behavioral Risk Factor Surveillance System (BRFSS)

# Do you think smoking helps you lose weight? Percent of High School Students Who Answered “Yes”, by Smoking Status, Arkansas 2010



Source: Arkansas Youth Tobacco Survey (YTS)  
Question: “Do you think that smoking cigarettes makes you gain or lose weight?”

# Percent of High School Students who are Overweight or Obese, by Smoking Status Arkansas 2010

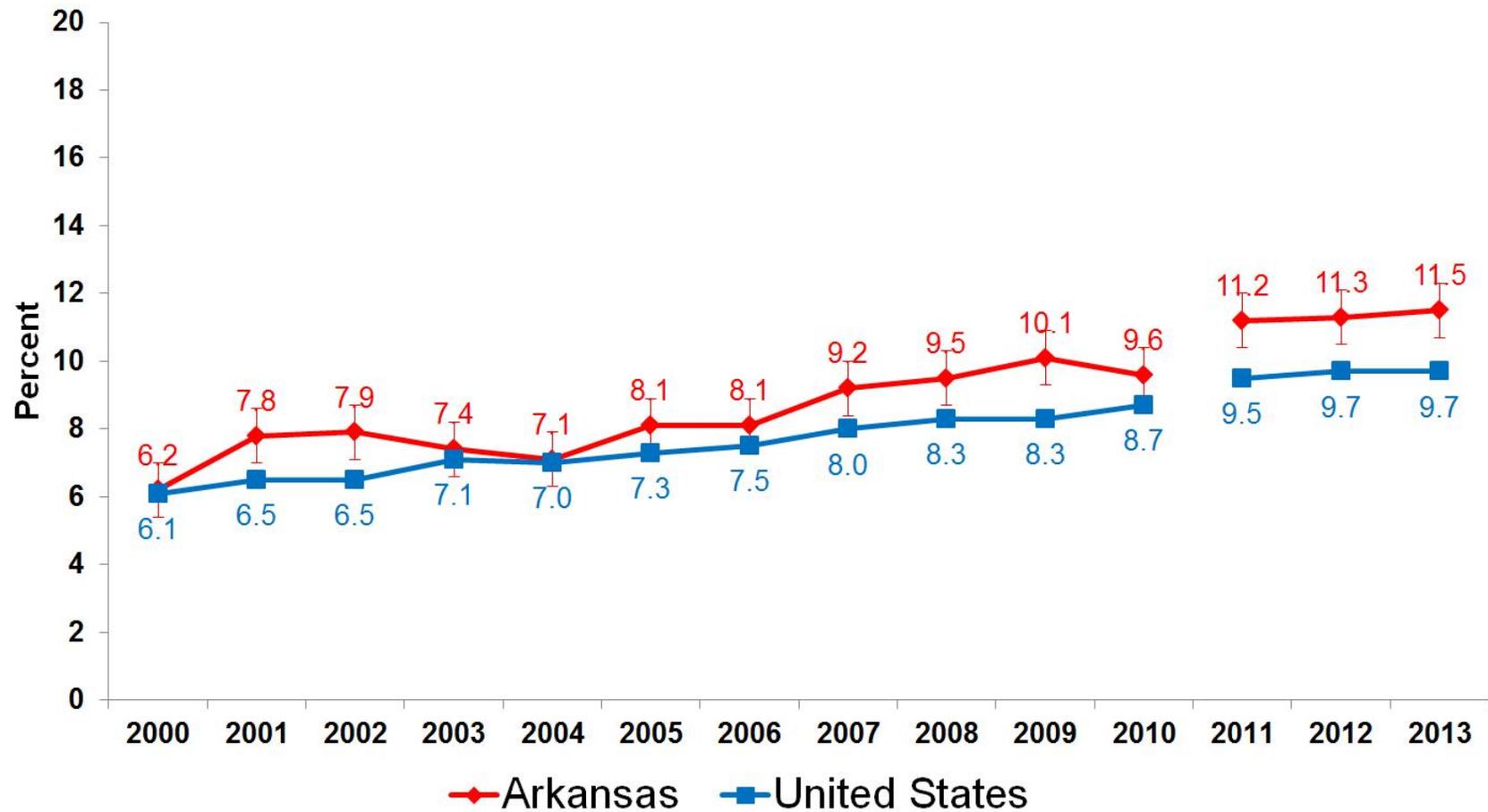


Source: Arkansas Youth Tobacco Survey (YTS)

# **SECTION VI**

## **Impact of Tobacco Use: Diabetes**

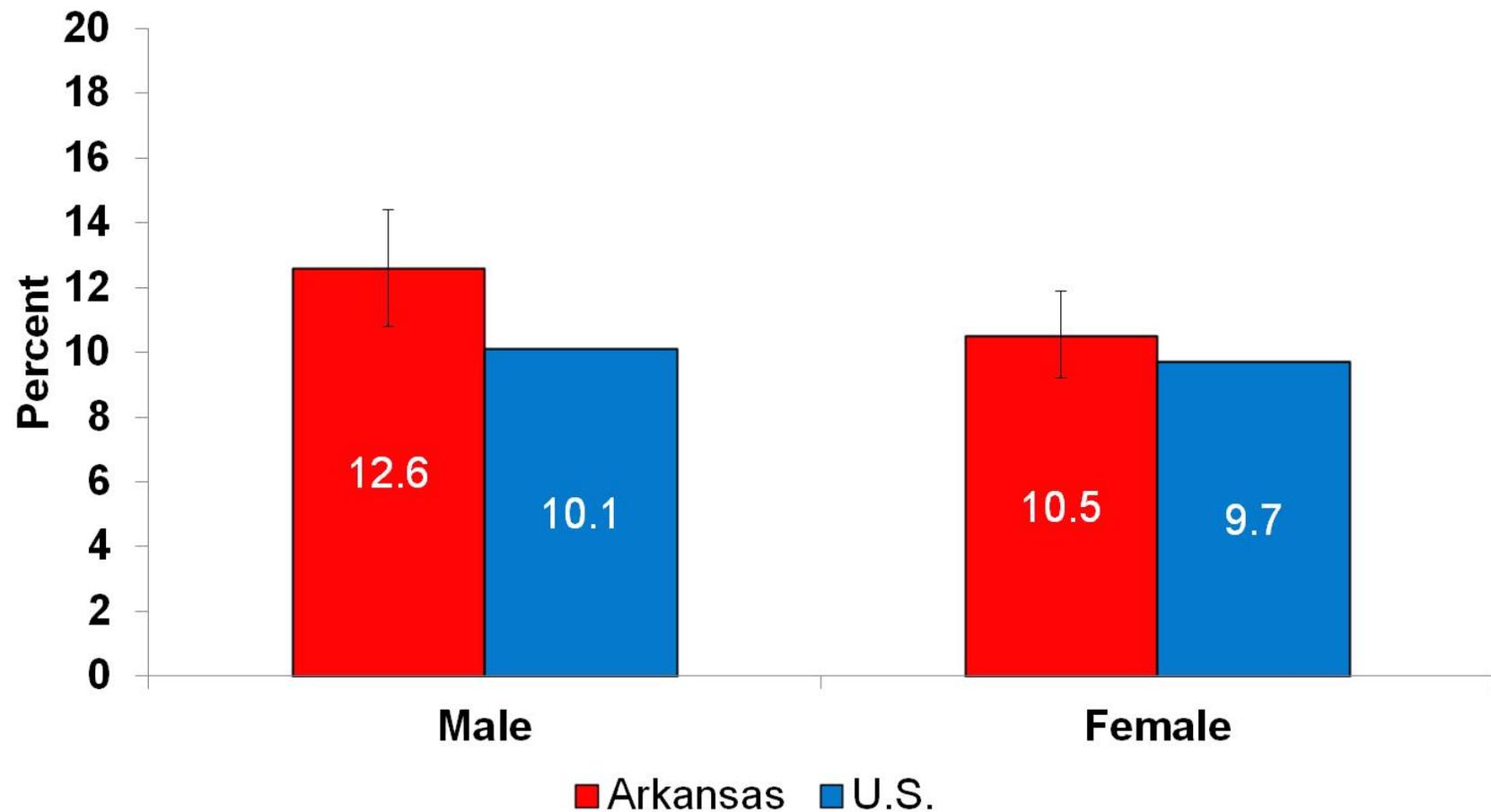
# Diabetes Prevalence Arkansas and U.S. 2000-2013



Question: Have you ever been told by a doctor that you have diabetes?

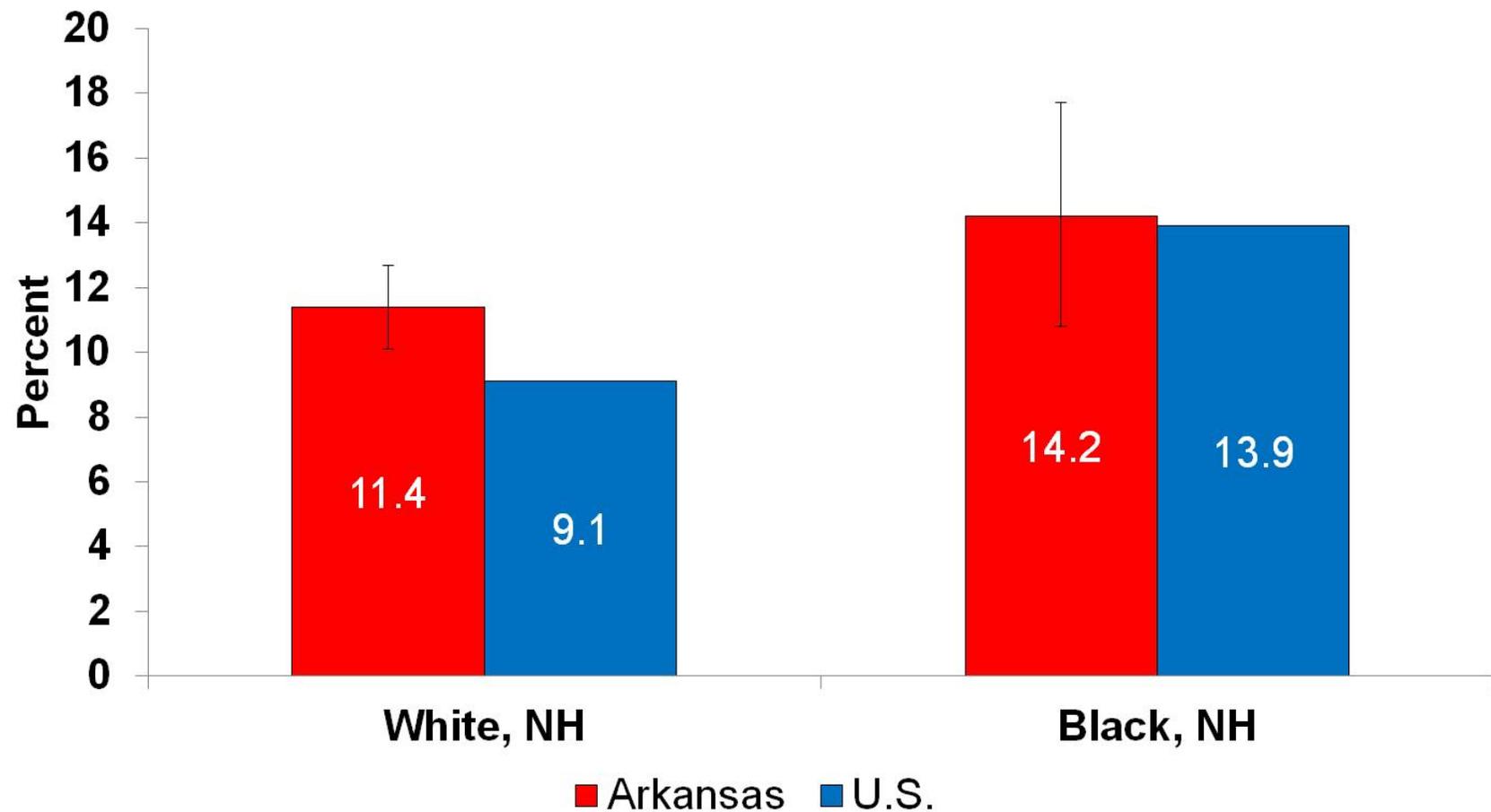
Source: Behavioral Risk Factor Surveillance System (BRFSS)

## Diabetes Prevalence, by Gender Arkansas and U.S. 2013



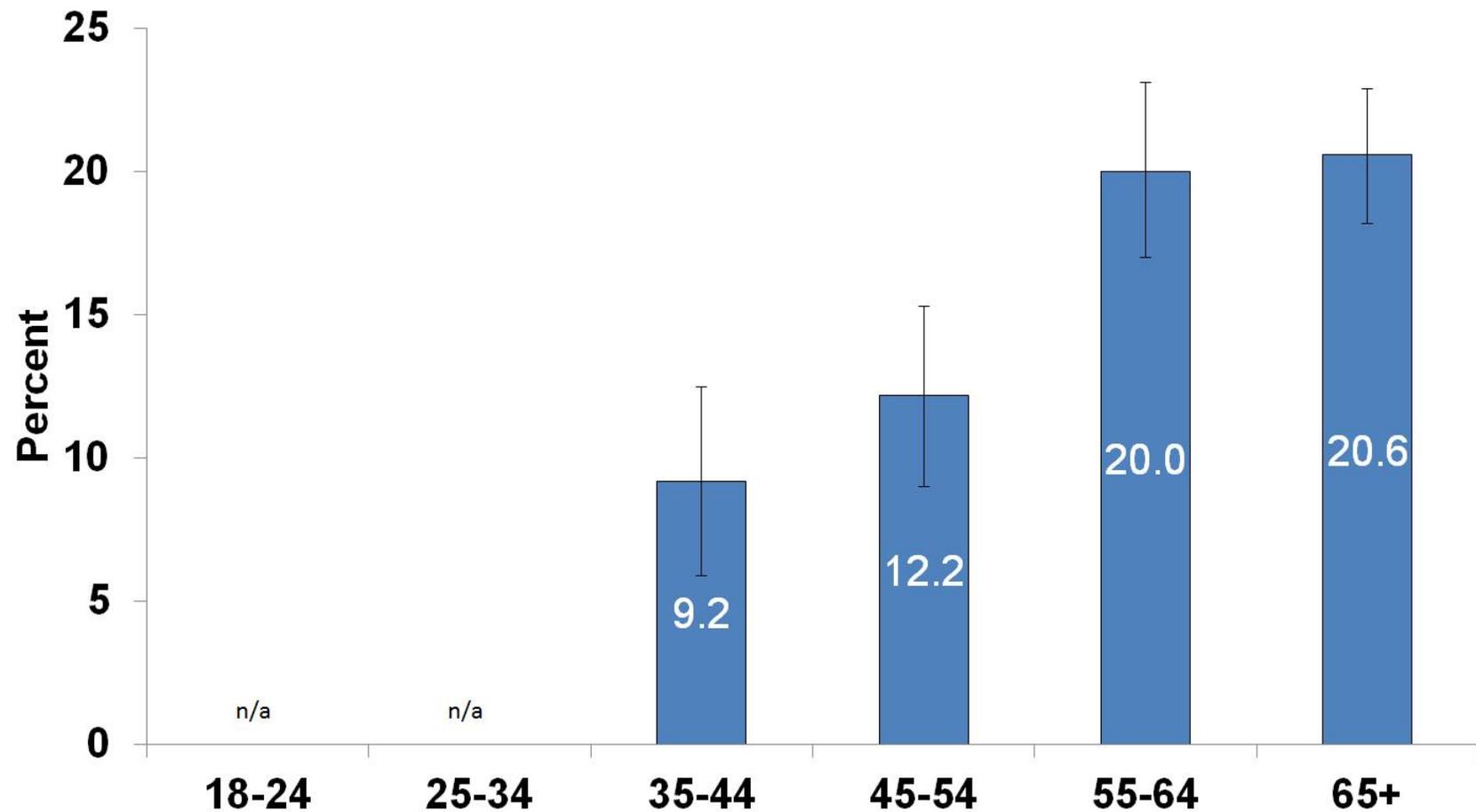
Question: Have you ever been told by a doctor that you have diabetes?  
Note: the U.S. numbers are based on the median of the reporting states.  
Source: Behavioral Risk Factor Surveillance System (BRFSS)

## Diabetes Prevalence by Race/Ethnicity Arkansas and U.S. 2013



Question: Have you ever been told by a doctor that you have diabetes?  
Note: the U.S. numbers are based on the median of the reporting states.  
Source: Behavioral Risk Factor Surveillance System (BRFSS)

# Diabetes Prevalence by Age Group Arkansas 2013

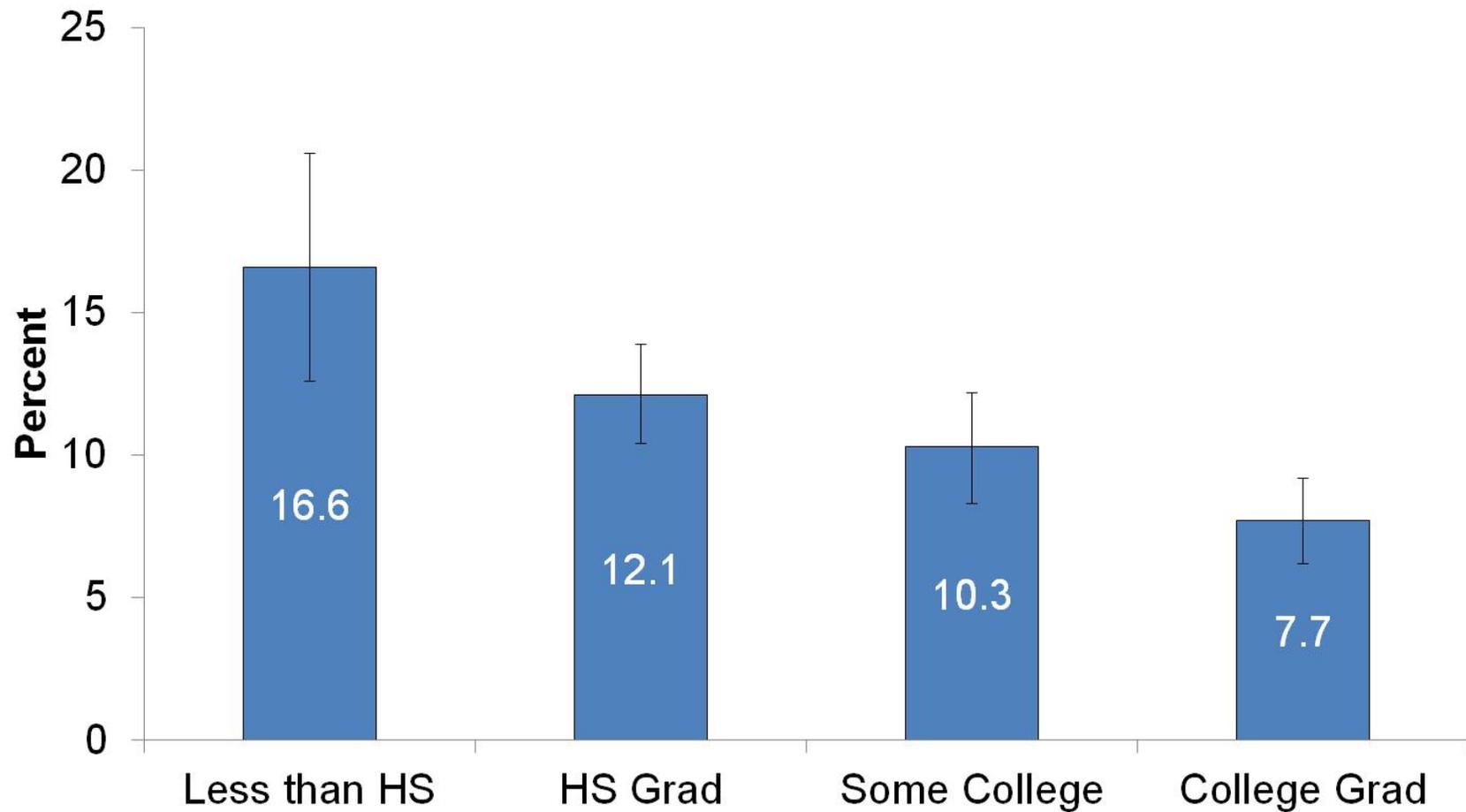


Question: Have you ever been told by a doctor that you have diabetes?

n/a = not available due to insufficient data

Source: Behavioral Risk Factor Surveillance System (BRFSS)

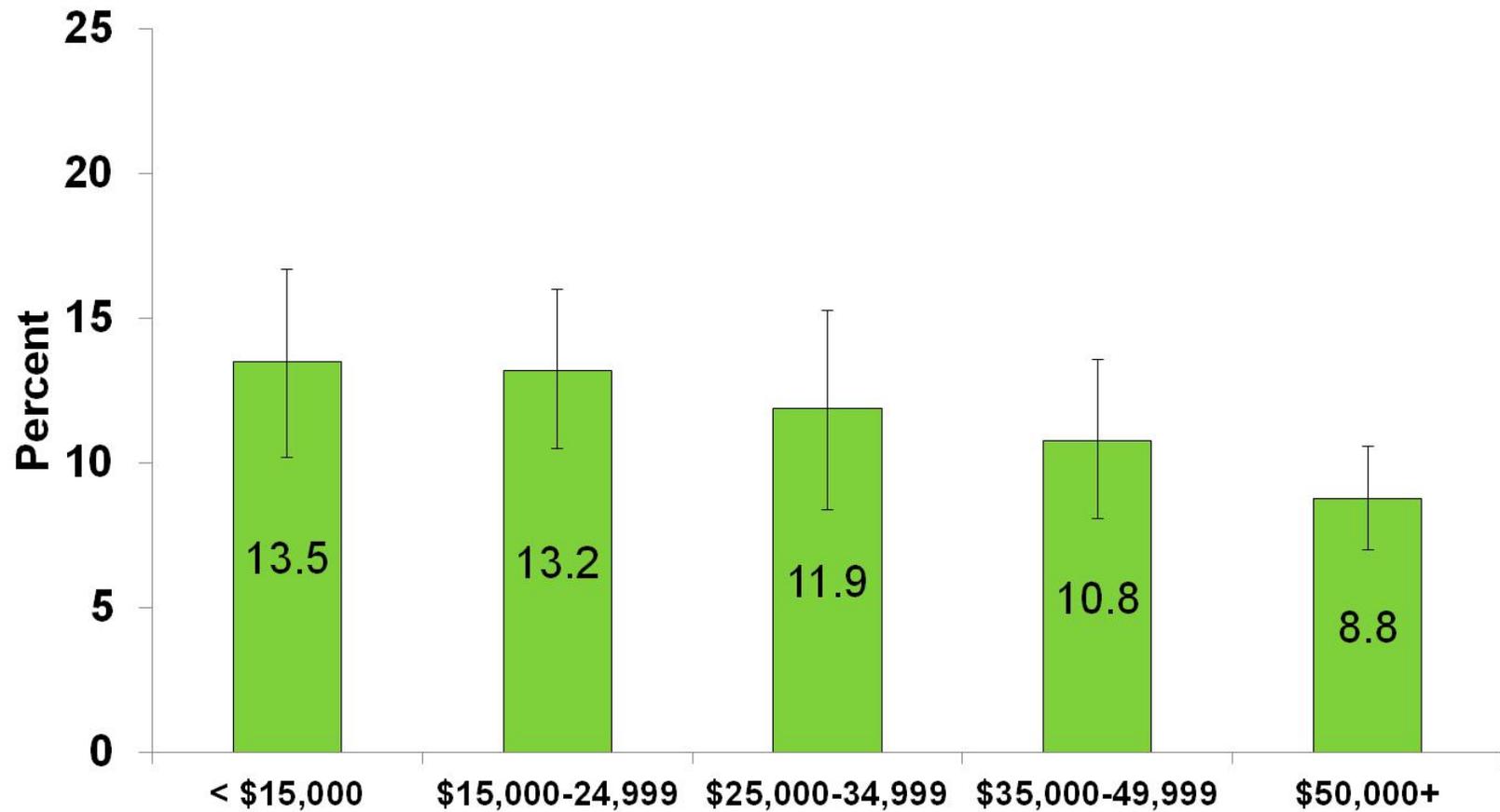
# Diabetes Prevalence by Education Level Arkansas 2013



Question: Have you ever been told by a doctor that you have diabetes?

Source: Behavioral Risk Factor Surveillance System (BRFSS)

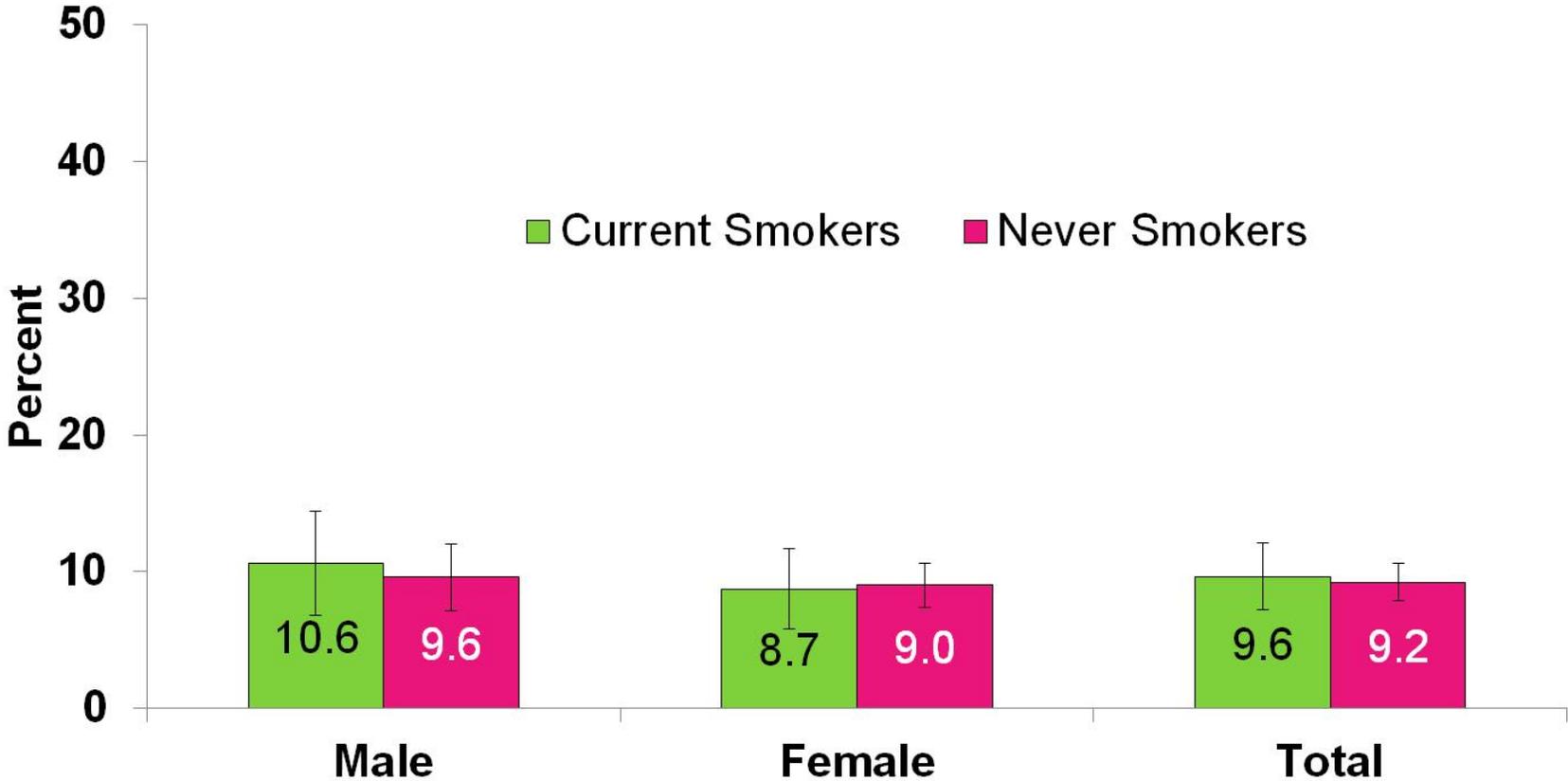
# Diabetes Prevalence by Income Level Arkansas 2013



Question: Have you ever been told by a doctor that you have diabetes?

Source: Behavioral Risk Factor Surveillance System (BRFSS)

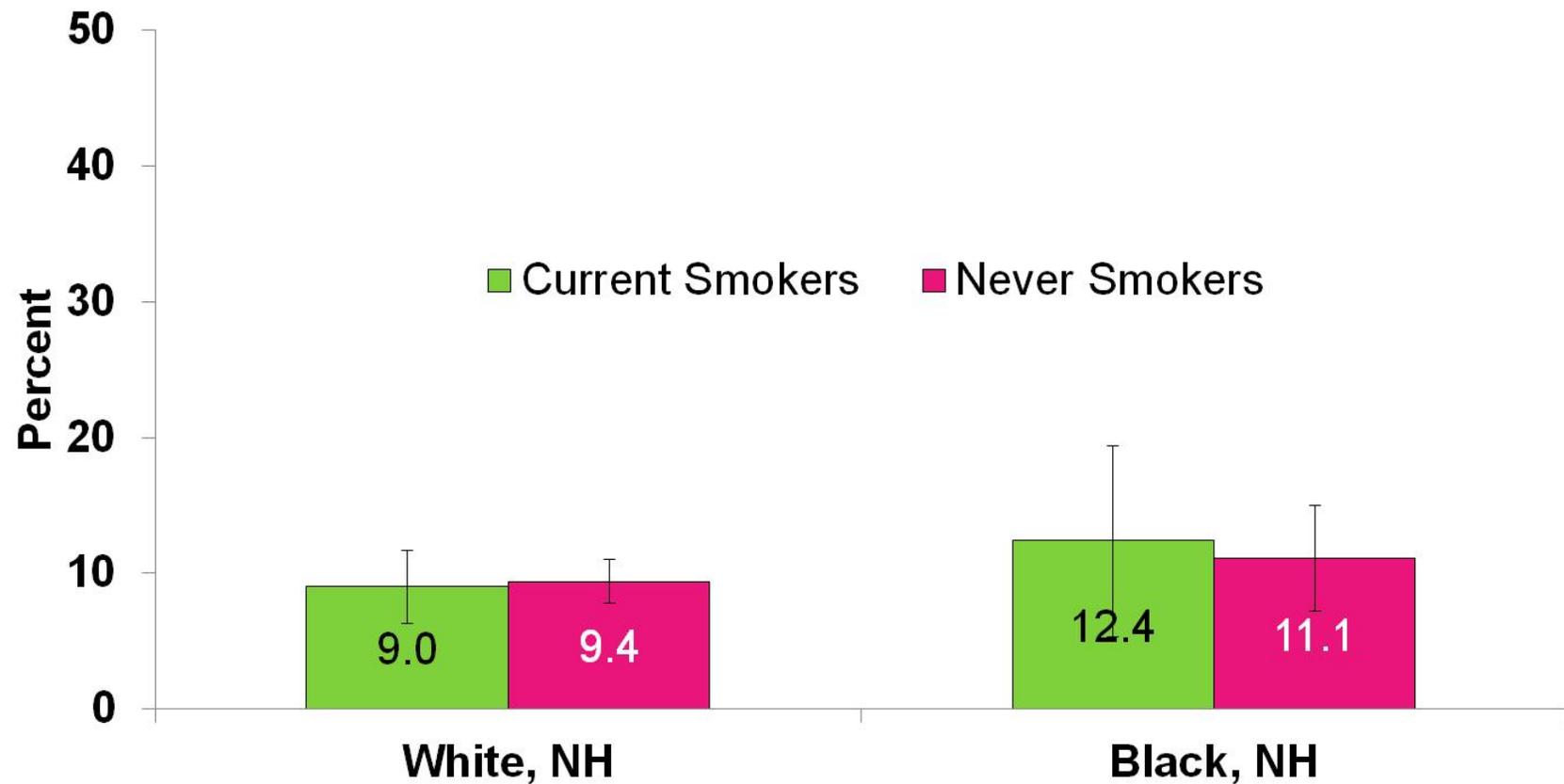
# Diabetes Prevalence by Smoking Status by Gender, Arkansas 2013



Question: Have you ever been told by a doctor that you have diabetes?

Source: Behavioral Risk Factor Surveillance System (BRFSS)

## Diabetes Prevalence by Smoking Status by Race, Arkansas 2013



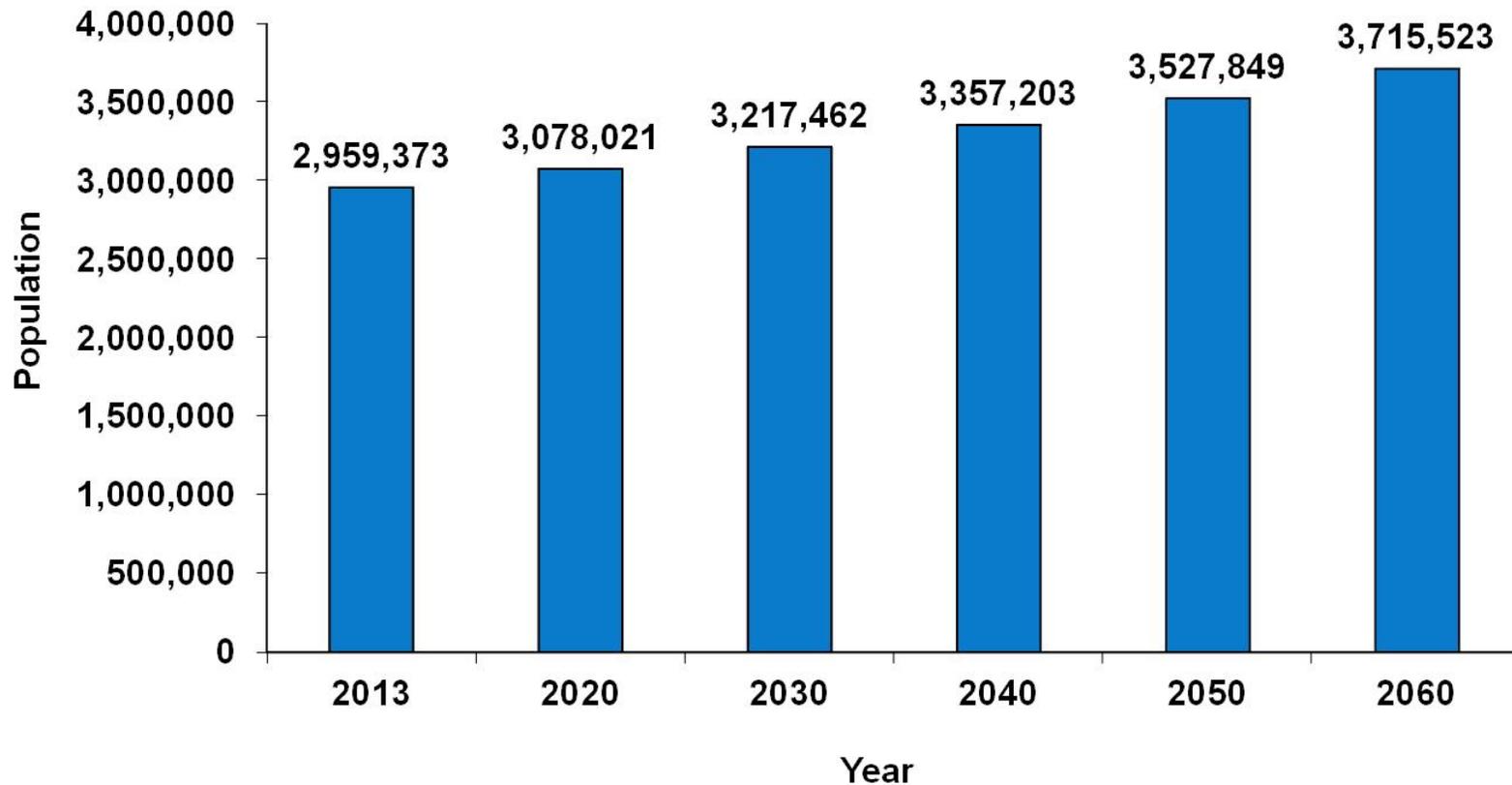
Question: Have you ever been told by a doctor that you have diabetes?

Source: Behavioral Risk Factor Surveillance System (BRFSS)

# **SECTION VII**

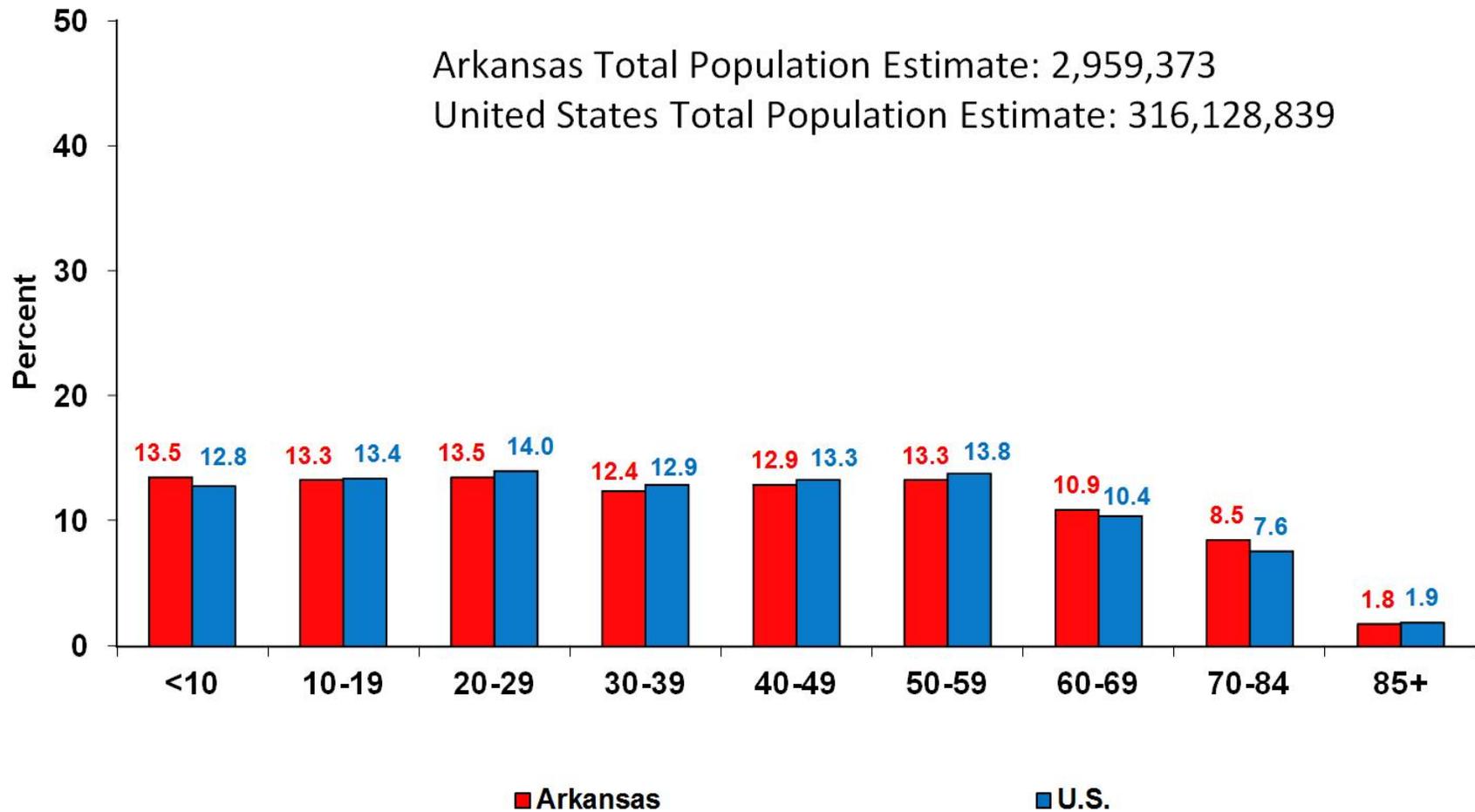
## **Demographics**

# Current Population Estimate and Future Projections, Arkansas 2013-2060



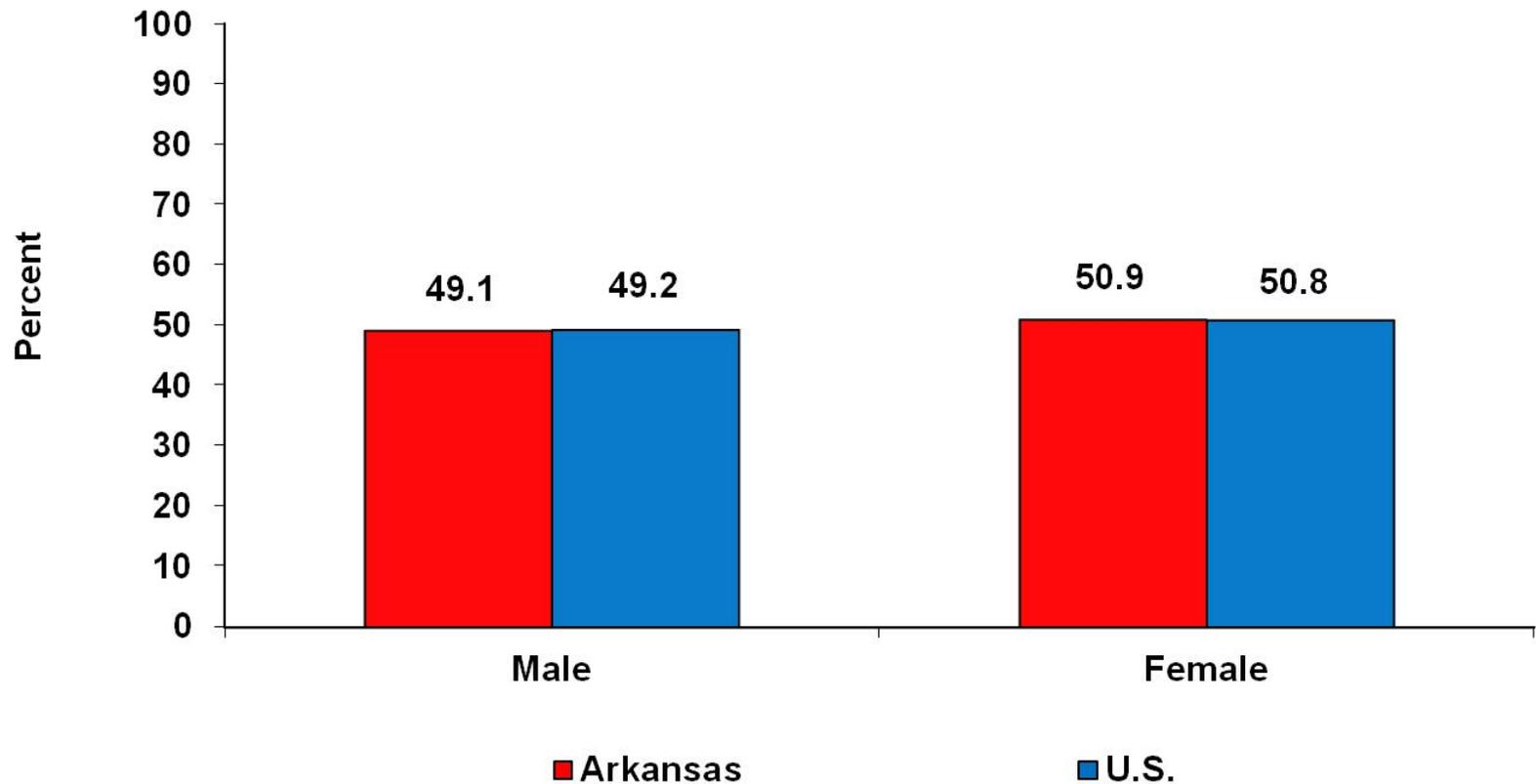
Source: 2013 data are from U.S. Census Bureau; State and County QuickFacts; last revised December 04, 2014  
Projections were processed by Data and Research Division, Institute for Economic Advancement, University of Arkansas at Little Rock from Regional Economic Models, Inc.; released and last modified June 2014

# Population Estimates by Age Group, Arkansas and U.S. 2013



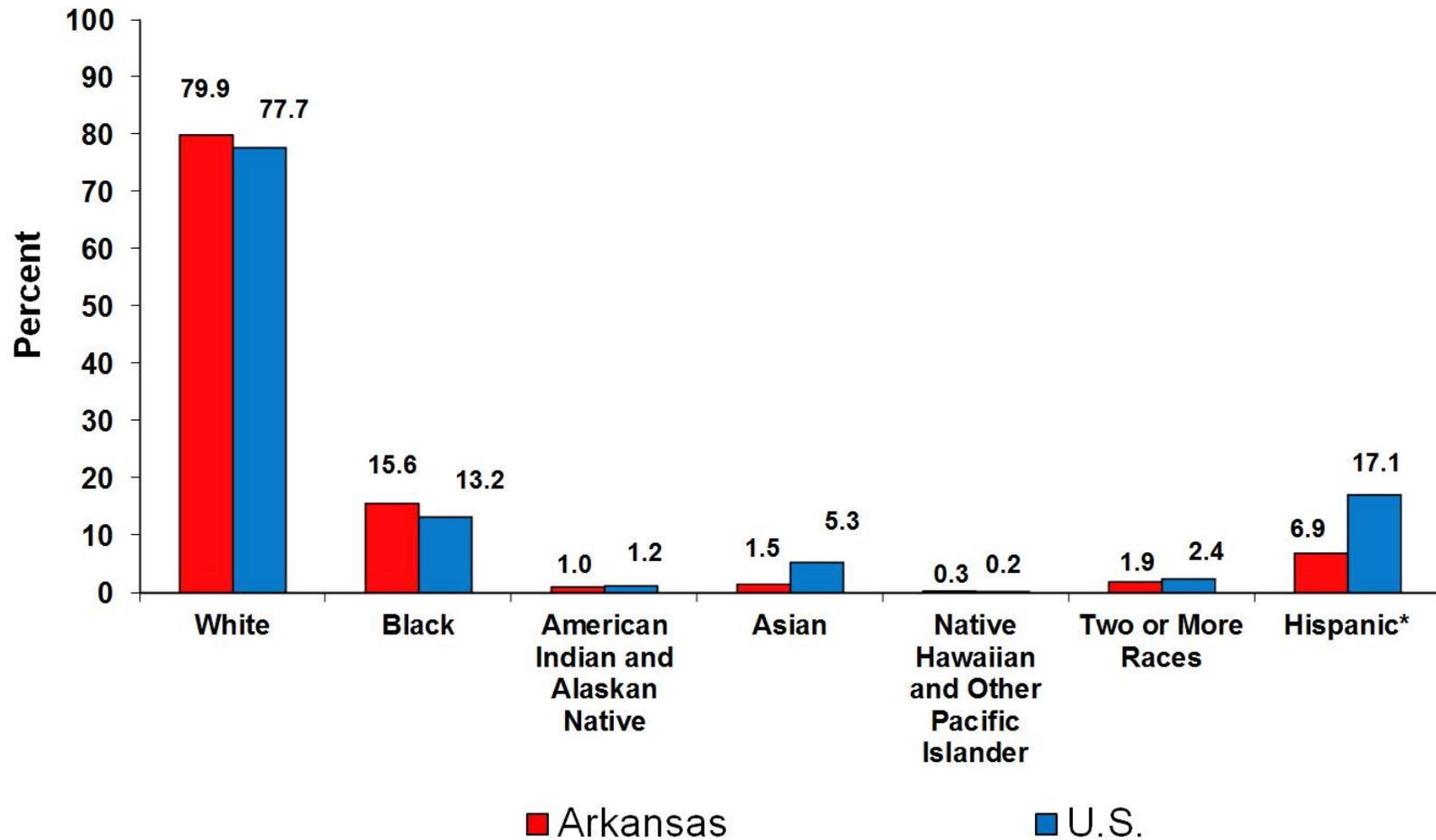
Source: 2013 American Community Survey 1-Year Estimates, U.S. Census Bureau

## Population Estimates by Gender, Arkansas and U.S. 2013



Source: U.S. Census Bureau QuickFacts; last revised December 04, 2014

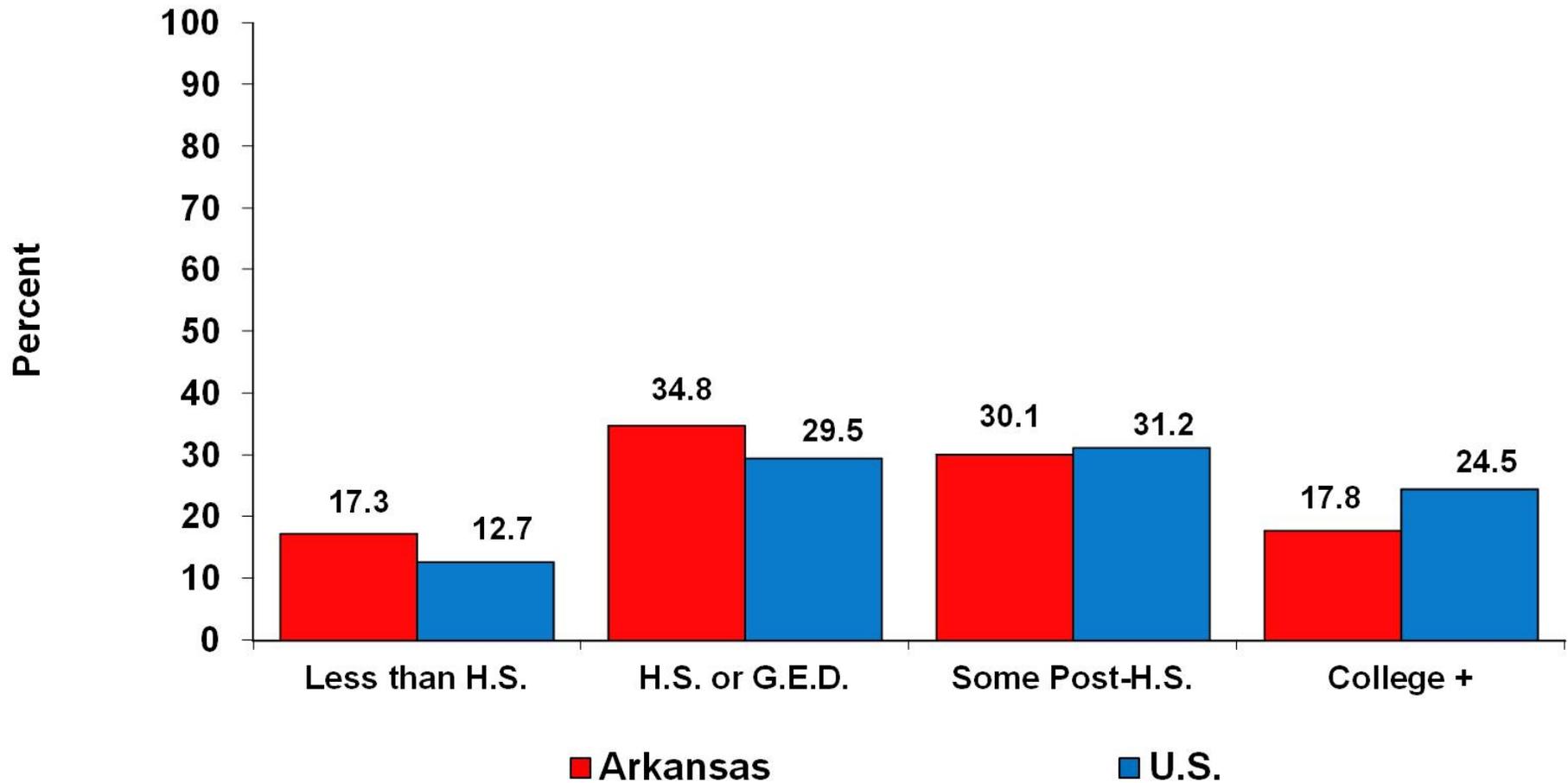
## Population Estimates by Race, Arkansas and U.S. 2013



\* Hispanic includes all races

Source: U.S. Census Bureau QuickFacts; last revised December 04, 2014

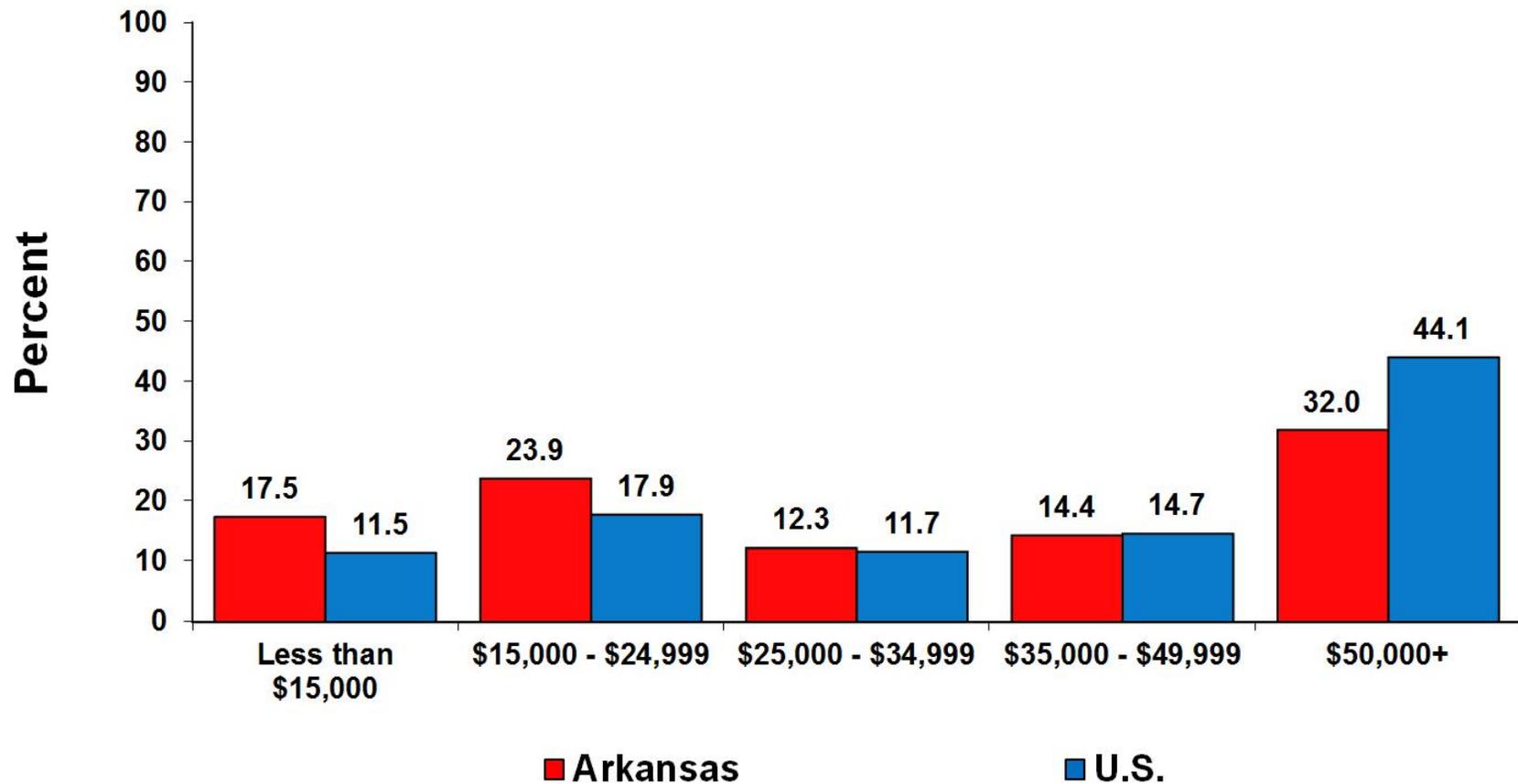
## Population Estimates by Education, Arkansas and U.S.\* 2013



\*U.S. is the median of the states and D.C.

Source: Behavioral Risk Factor Surveillance System (BRFSS)

## Population Estimates by Household Income, Arkansas and U.S. 2013



\*U.S. is the median of the states and D.C.

Source: Behavioral Risk Factor Surveillance System (BRFSS)

# The End

Help us keep track of when/how information in this Data Deck is used:  
email your comments to Wanda Simon at [wanda.simon@arkansas.gov](mailto:wanda.simon@arkansas.gov)  
or call 501-280-4812