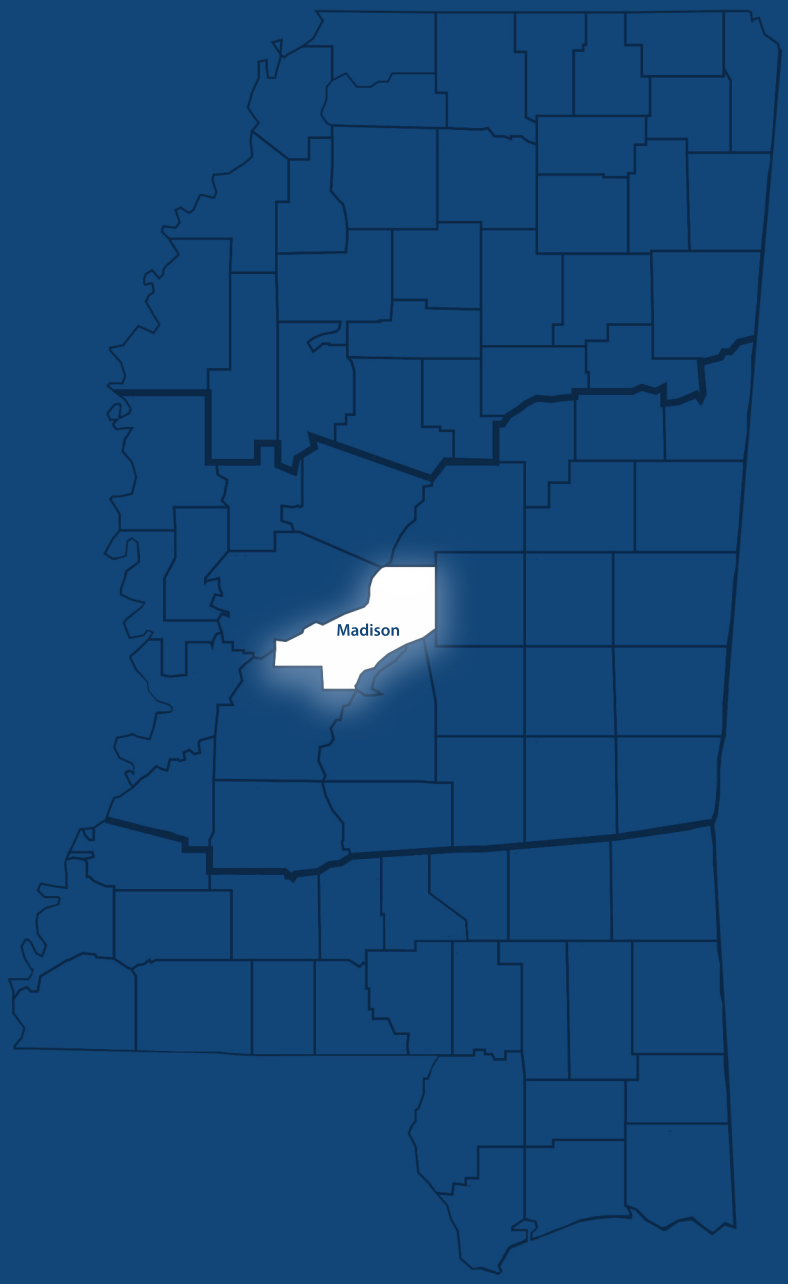
Mississippi State Department of Health



Madison County Health Profile

Mississippi County Health Profile
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Introduction

The mission of the Mississippi State Department of Health (MSDH) is to promote and protect the health of the citizens of Mississippi. The MSDH strives for excellence in government, cultural competence in the carrying out of our mission and to seek local solutions to local problems.

Mississippi has an estimated total population of 2,984,100 residents in 2017. The state is predominantly rural and divided into 82 counties, with 65 considered to be rural. The racial composition is approximately 59.3% white, 37.7% black or African American and 3.0% characterized as other.

Population health outcomes can be measured by premature death rates, or deaths of individuals before the age of 75, as these deaths may have occurred due to poor health outcomes. The state of Mississippi has the highest rate of premature death in the United States (U.S.) with 500.9 deaths per 100,000 (MS Vital Records, 2016). Many of these deaths are due to chronic conditions. The number one cause of death in Mississippi is heart disease with an adjusted mortality rate of 233.5 per 100,000 population in 2016. The second leading cause of death in Mississippi is cancer with an age-adjusted rate of 187.7 deaths per 100,000 population (2016). The most frequently diagnosed cancer is lung cancer. In 2016, the rate of obesity among adults in Mississippi was 37.3%. In Mississippi, congenital heart disease (CHD) affects approximately 1 in 64 live births (1.56%). This rate is nearly twice that of the U.S. which has a rate of CHD affecting approximately 1 in 125 live births. Mississippi has the highest rate of infant mortality in the U.S. with a total rate of 8.6 deaths per 1,000 live births (2016). There is a large racial disparity in infant mortality rates with the rate among whites at 6.8 and that for blacks at 11.4 per 1,000 live births (2016).

Historically, Mississippi has ranked poorly in a range of health indicators such as infant mortality, obesity, and teenage pregnancy. Statewide, behavioral risk factors including unhealthy eating habits and lack of physical activity have led to increased rates of chronic illnesses. As the poorest state in the nation, Mississippi faces greater challenges than many other states to prevent and combat illnesses. At the same time, there have been some significant public health successes: Mississippi is recognized as a national leader in childhood immunizations. Program development resources, such as the County Health Profiles, assist in statewide efforts to build a culture of health and improve Mississippi's health status.

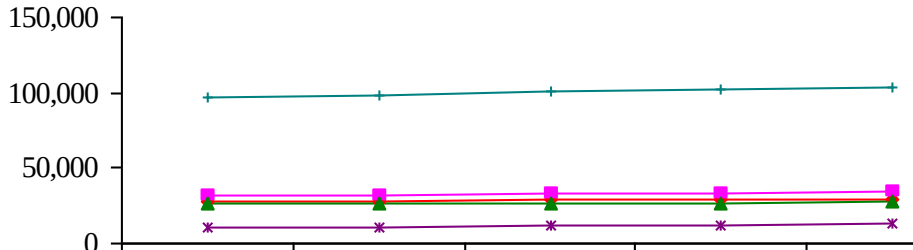
This report can be used as a resource to assist in the planning for ongoing and new health programs throughout the state of Mississippi, as well as to inform the general public of their county's health status.

MSDH is administered at the level of public health regions. However, to be consistent with other surveillance reports, some of the indicators in the County Health Profiles are still presented by public health district.

Madison County

Population Characteristics

Madison County Population Estimates by Year

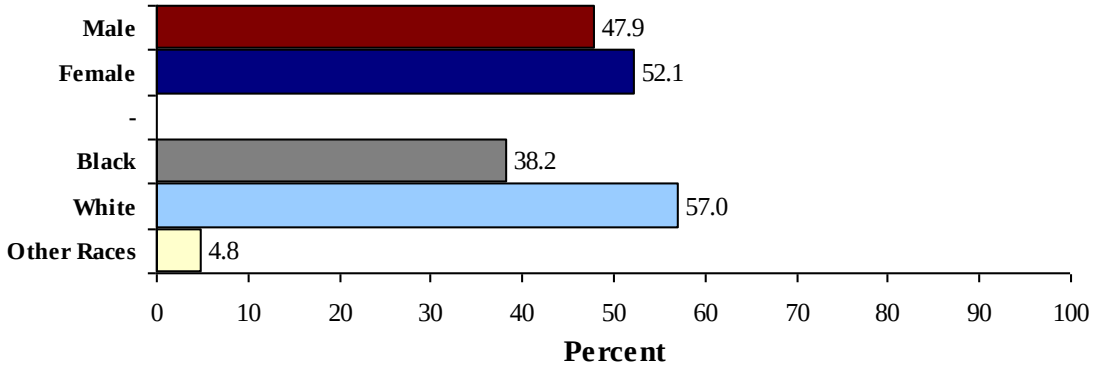


	2011	2012	2013	2014	2015
Total	96941	98468	100412	101688	103465
<18	28326	28463	28572	28674	28691
18-44	32035	32364	33350	33544	34155
45-64	26195	26432	26684	26955	27438
65+	10385	11209	11806	12515	13181

Population by Age, Gender and Race, 2010

Age (years)	Gender		Race			Total
	Male	Female	Black	White	Other Races	
<18	13,140	12,508	11,133	13,053	1,462	25,648
18-44	16,187	17,945	14,634	17,316	2,182	34,132
45-64	12,142	13,364	7,939	16,802	765	25,506
65+	4,143	5,774	2,662	7,099	156	9,917
Total	45,612	49,591	36,368	54,270	4,565	95,203

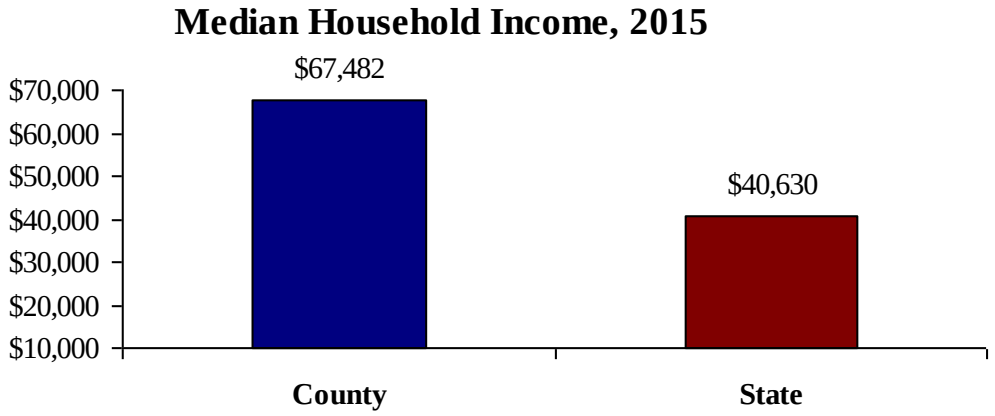
Percent of Population by Gender and Race, 2010

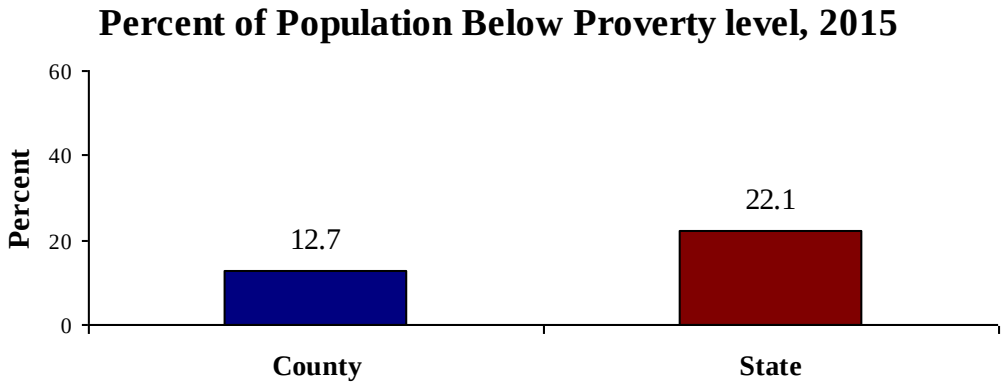


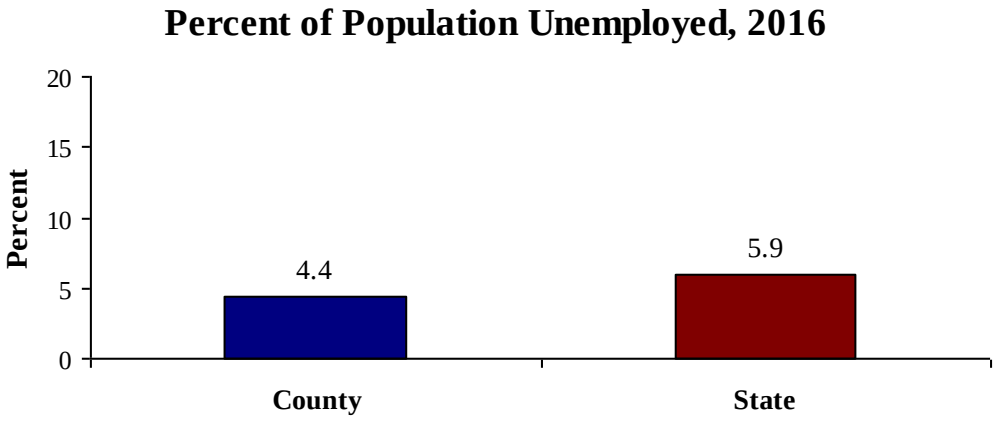
Source: U.S. Census, 2010

Madison County

Social and Economic Characteristics



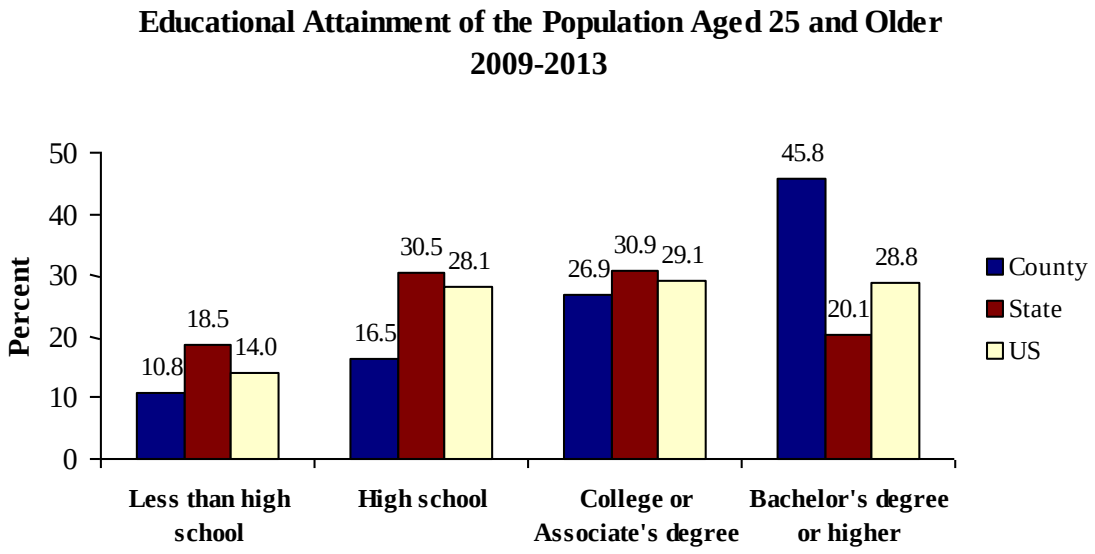




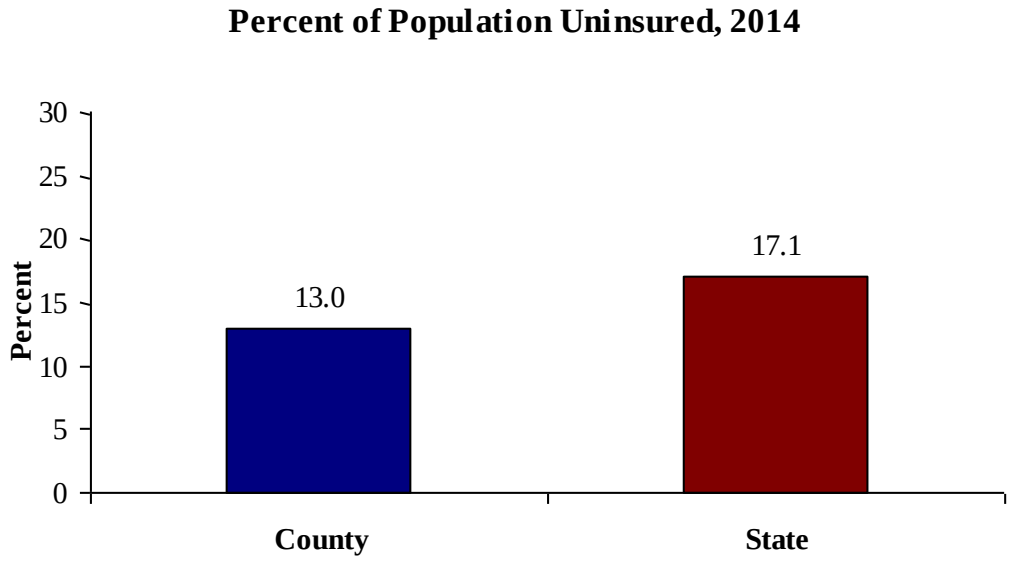
Source: U.S. Census Bureau, American Community Survey

Madison County

Social and Economic Characteristics



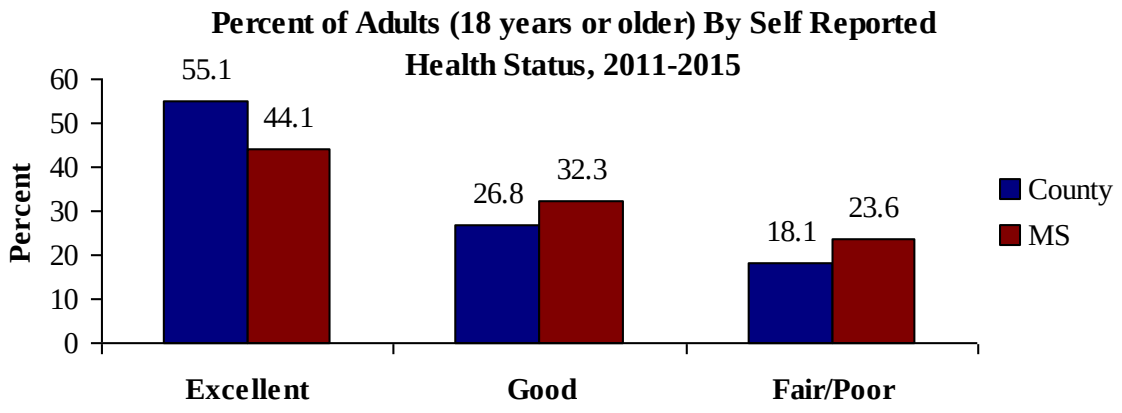
Source: U.S. Census Bureau, the 2009-2013 American Community Surveys

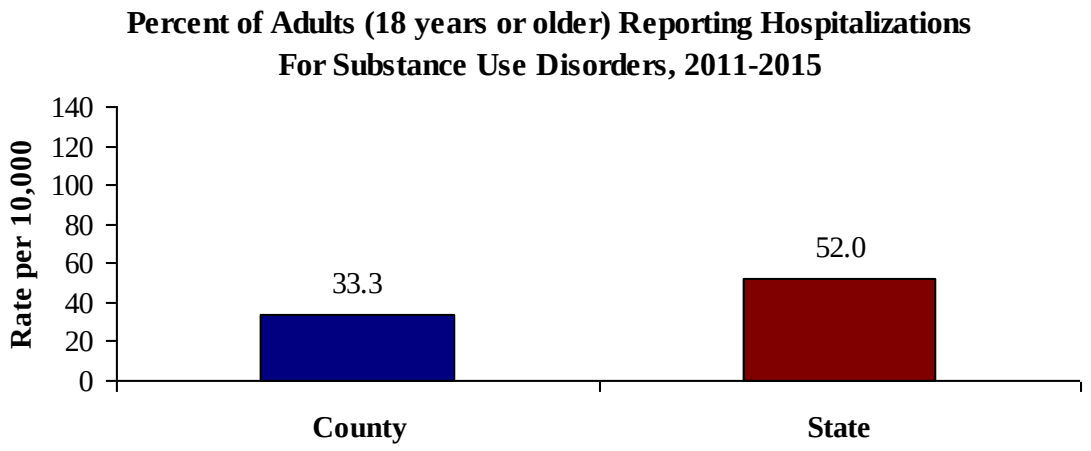


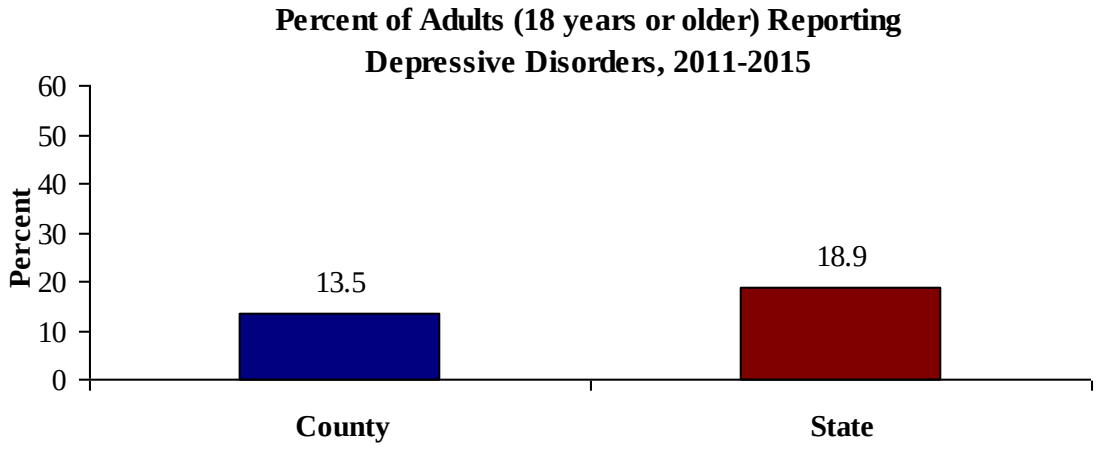
Source: U.S. Census Bureau, Small Area Health Insurance Estimates

Madison County

Health Outcome Indicators



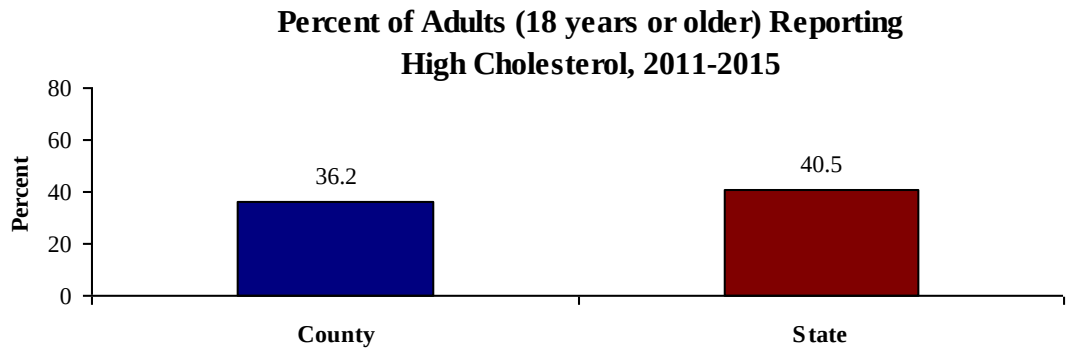


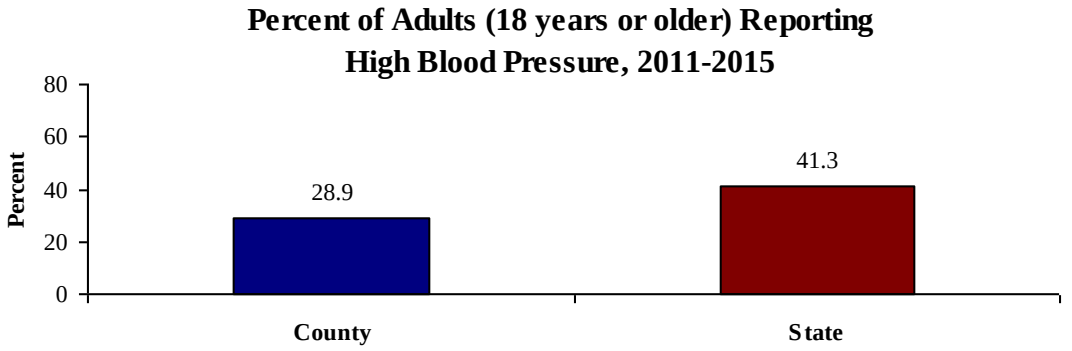


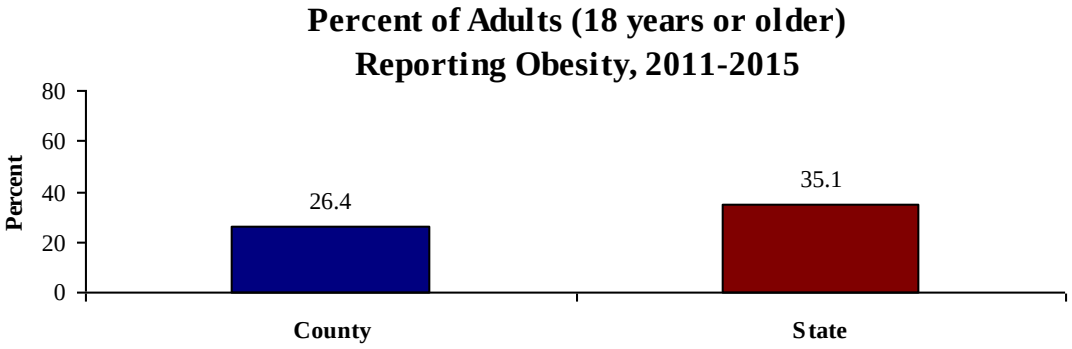
Source: 1. Mississippi Behavioral Risk Factor Surveillance System
2. Mississippi Hospital Discharge Data System

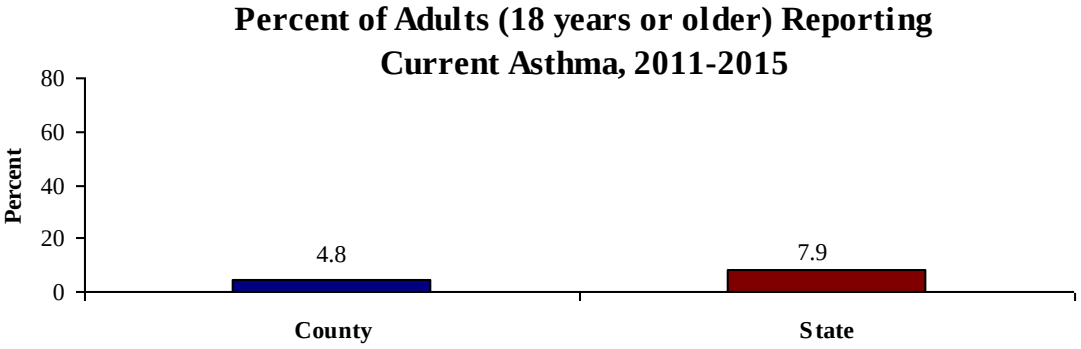
Madison County

Health Outcome Indicators





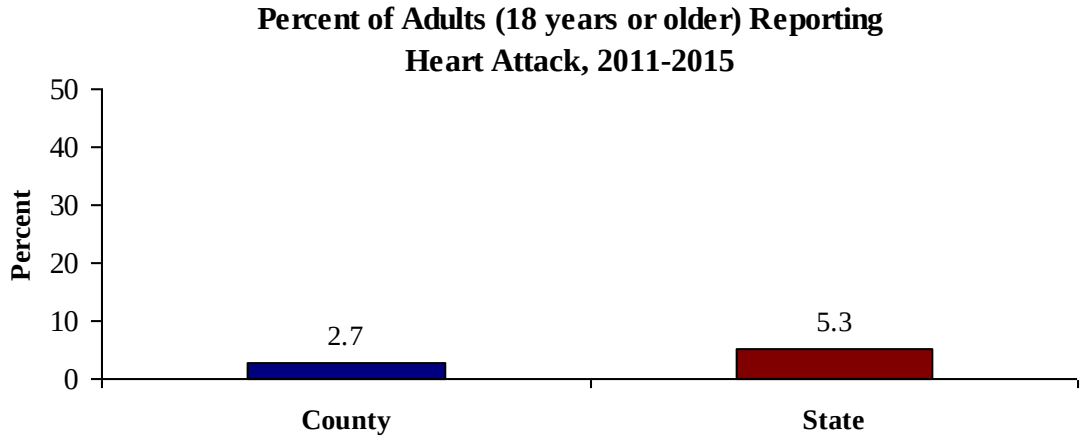


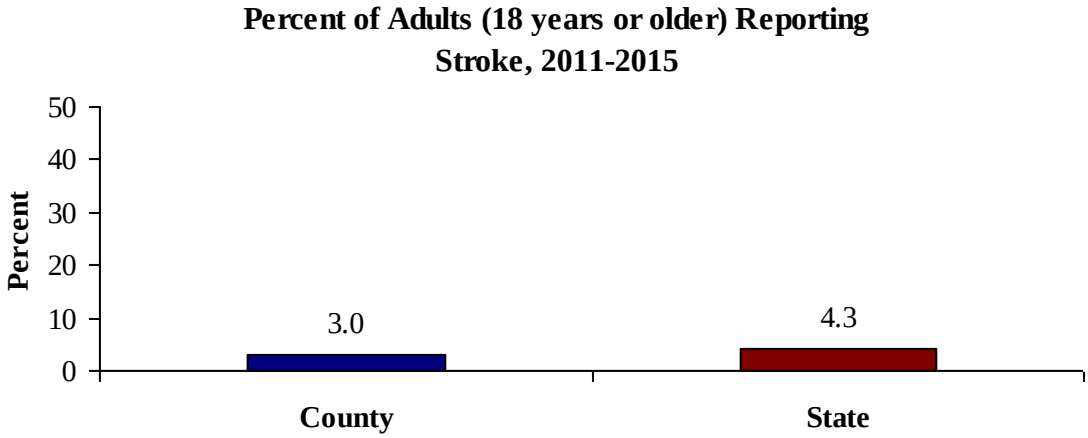


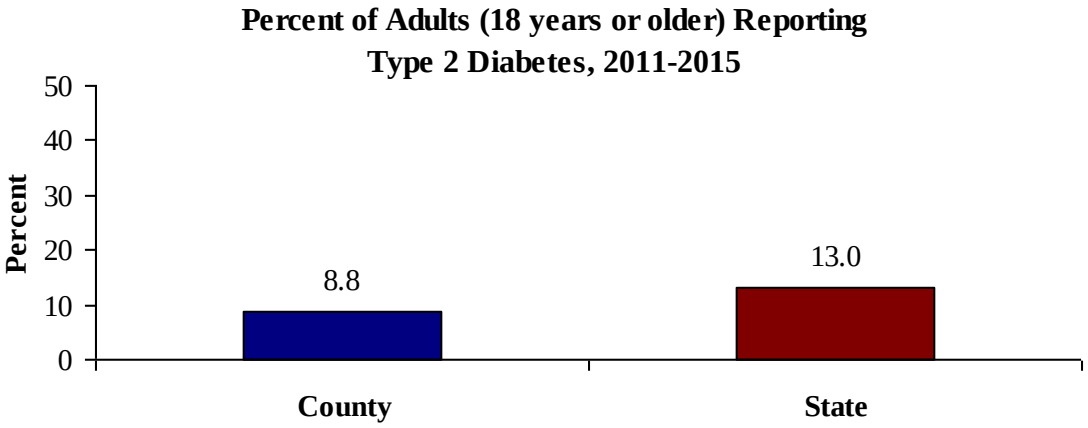
Source: Mississippi Behavioral Risk Factor Surveillance System

Madison County

Select Chronic Conditions



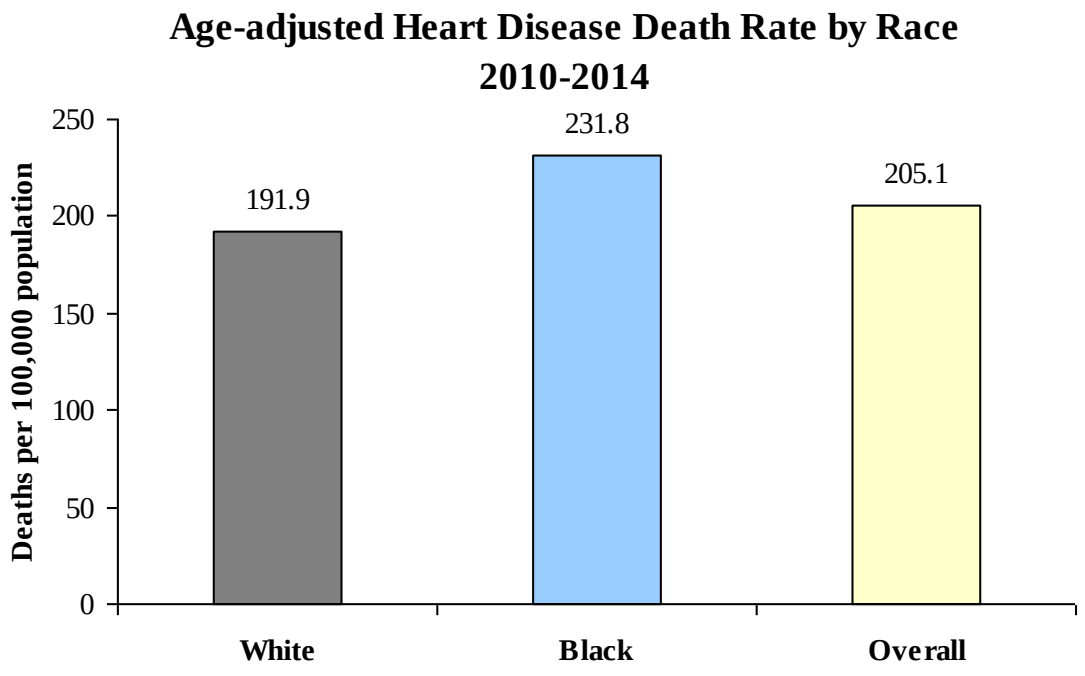


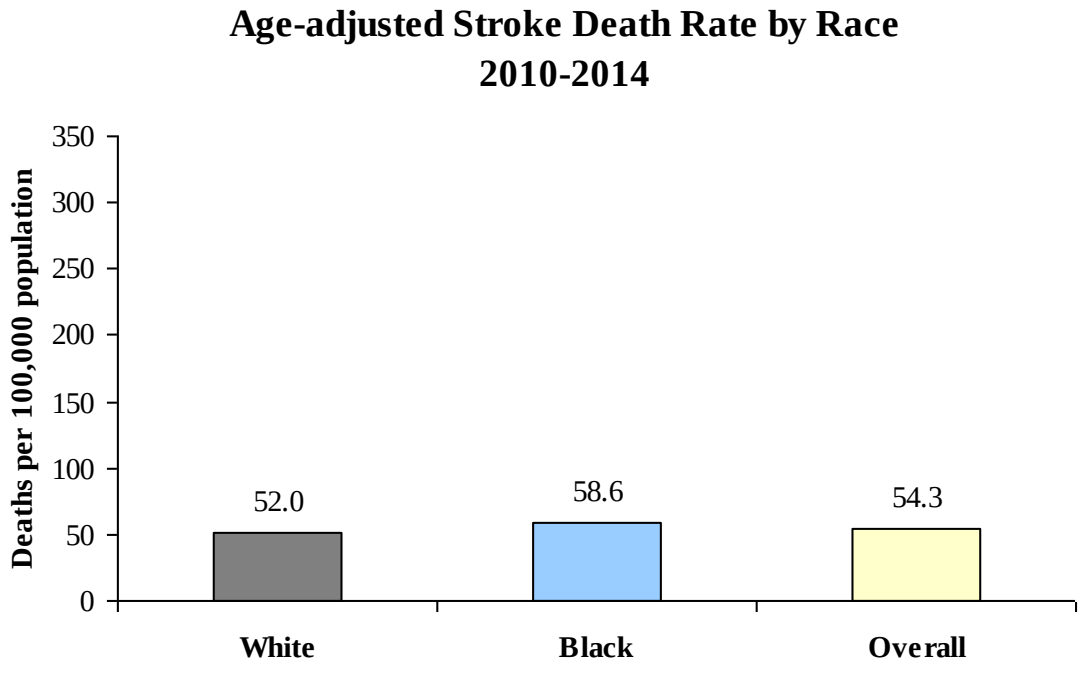


Source: Mississippi Behavioral Risk Factor Surveillance System

Madison County

Select Chronic Conditions

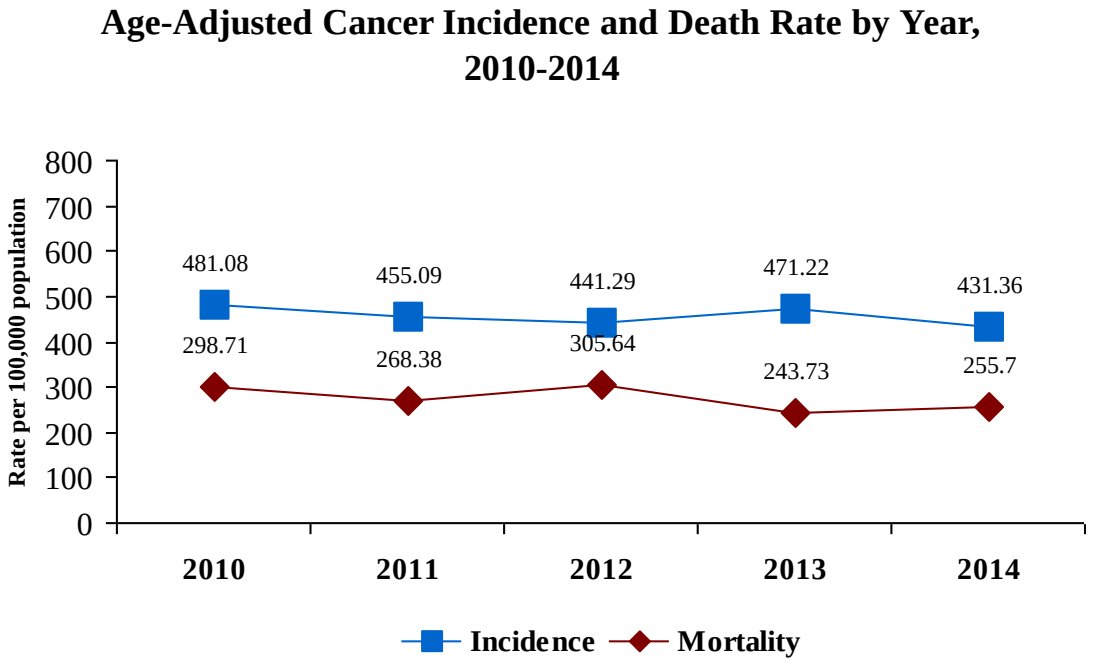


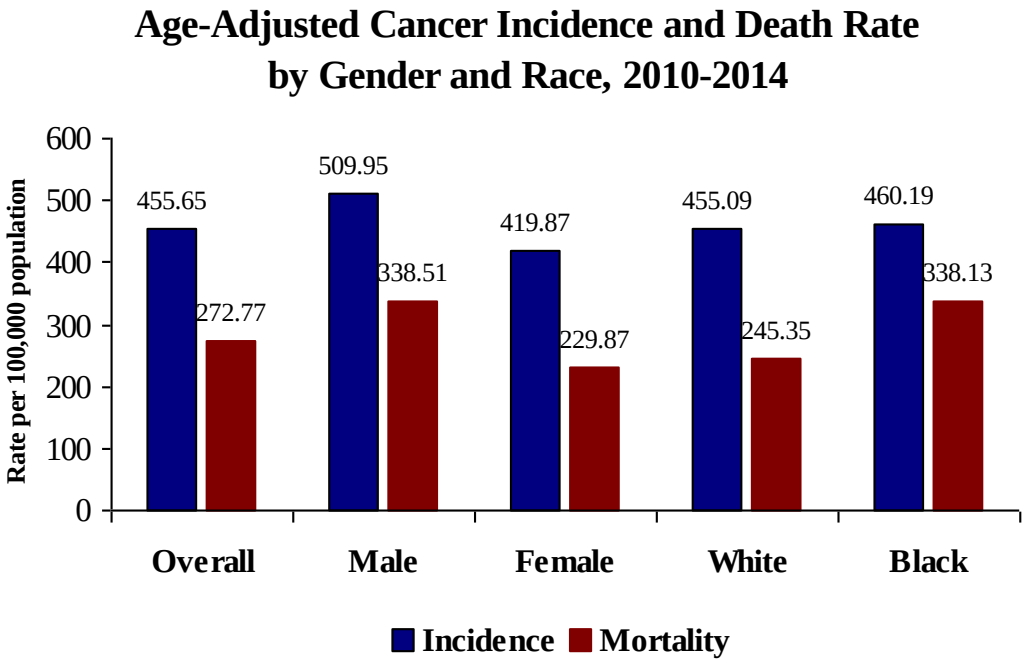


Source: Mississippi Vital Statistics

Madison County

Select Chronic Conditions

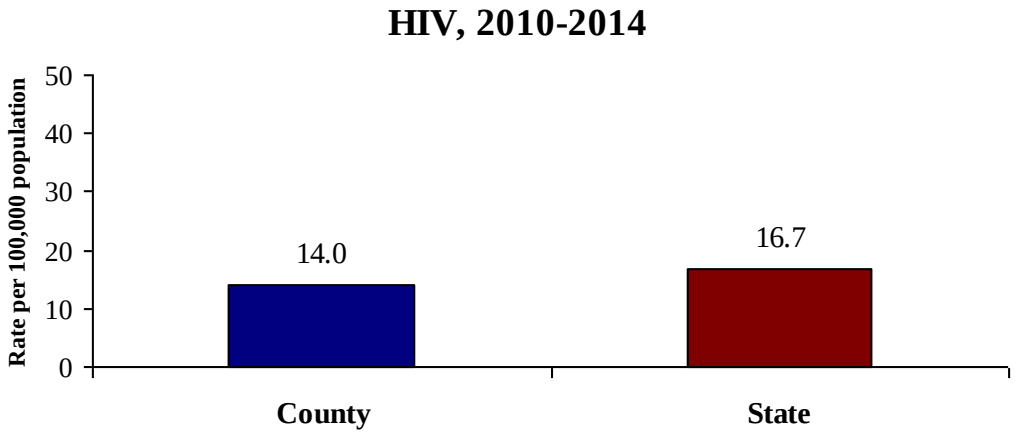


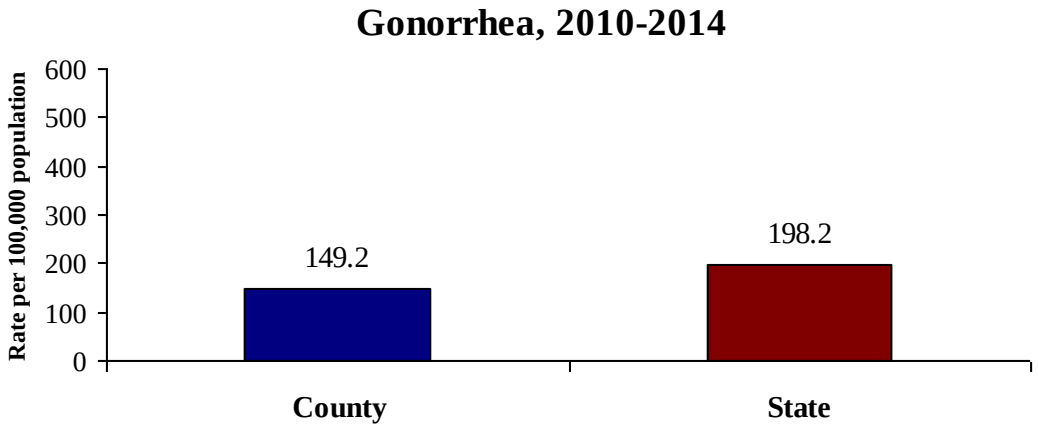


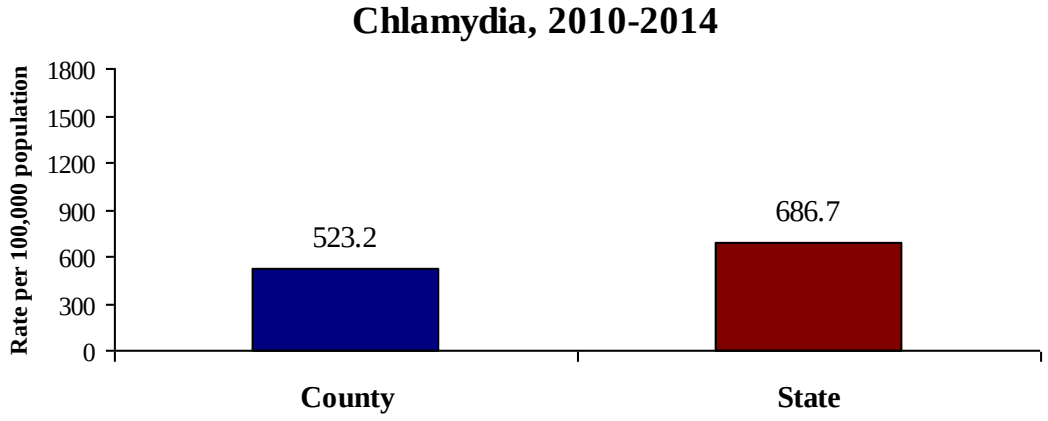
Source: Mississippi Cancer Registry

Madison County

Select Infectious Diseases





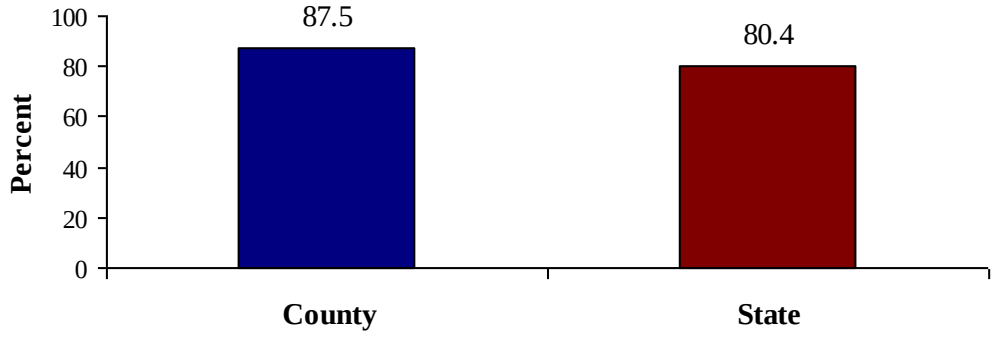


Source: Mississippi Vital Statistics

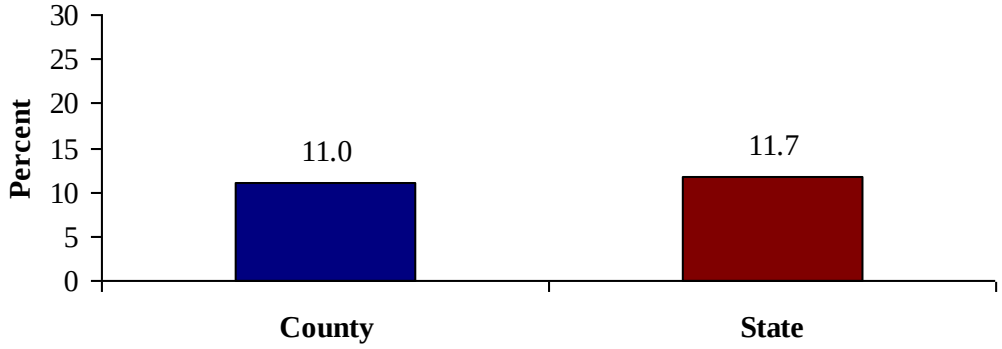
Madison County

Maternal and Child Health

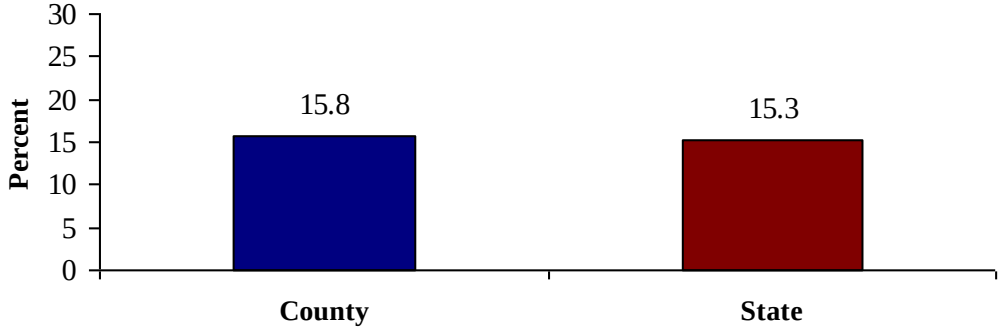
Percent of Infants Born to Pregnant Women Receiving Prenatal Care Beginning in the First Trimester, Madison County & State, 2010-2014



Percent of Low Birth Weight Deliveries, Madison County & State, 2010-2014



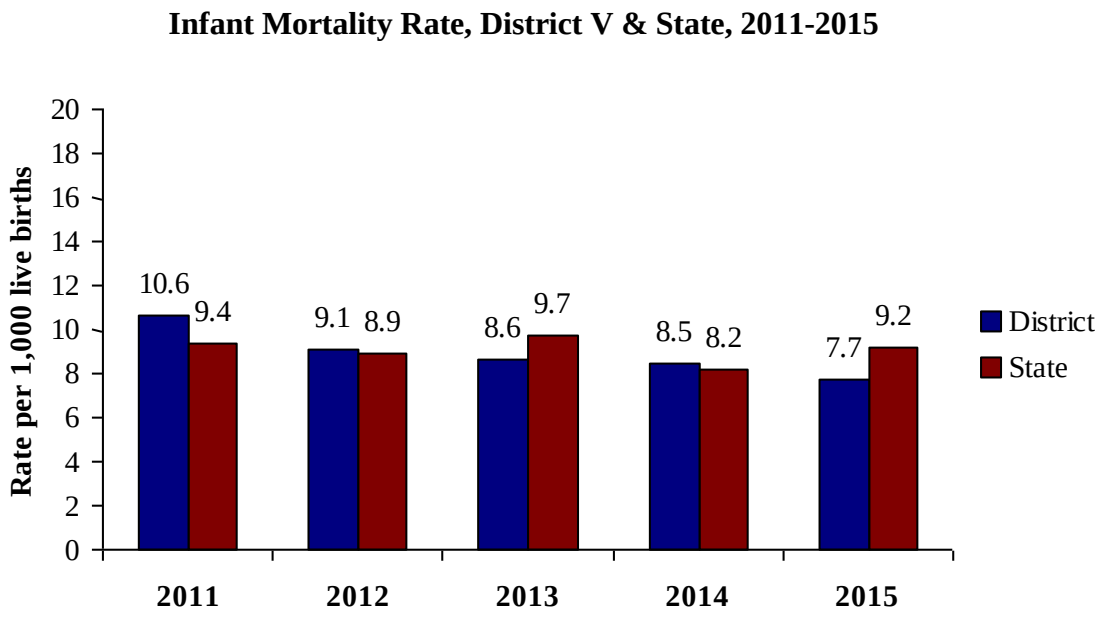
Percent of Preterm Births, Madison County & State, 2010-2014

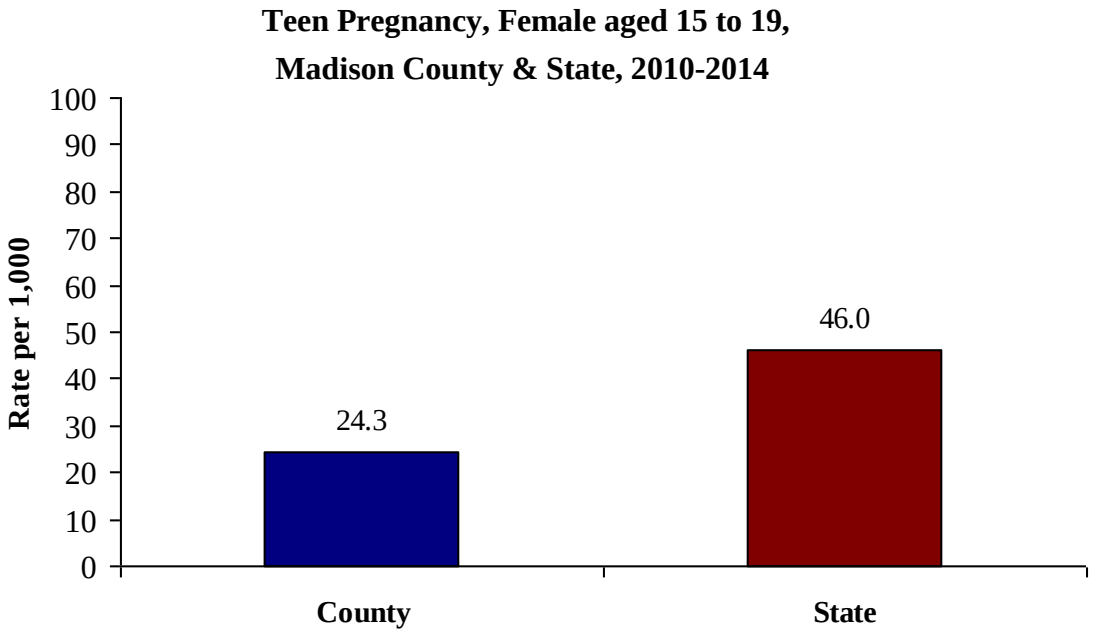


Source: Mississippi Vital Statistics

Madison County

Maternal and Child Health





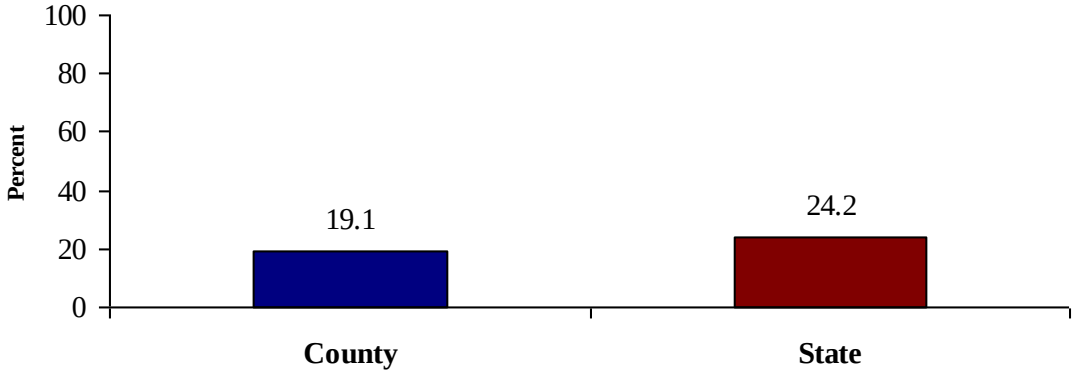
1. Infant mortality rate at county level was not reliable, so the district level data was used as a close measure for this county.

Source: Mississippi Vital Records

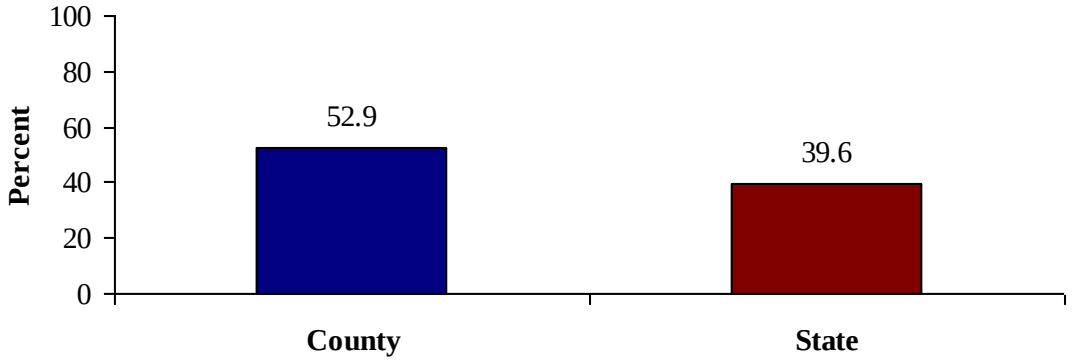
Madison County

Health Behavior Indicators

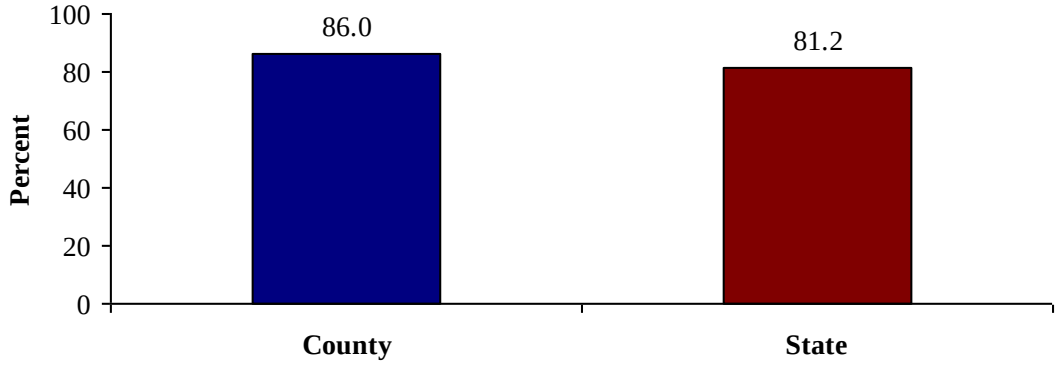
Percent of Mississippi adults (18 years or older) reporting being current smokers, Madison County & State, 2011-2015



Percent of Mississippi adults (18 years or older) reporting alcohol use in past 30 days, Madison County & State, 2011-2015



Percent of Mississippi adults (18 years or older) reporting always wearing seat belts, Madison County & State, 2011-2015

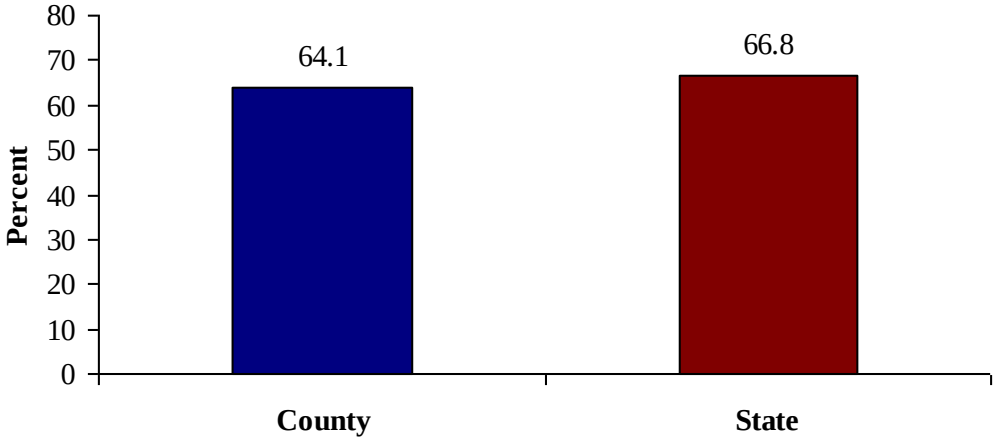


Source: Mississippi Behavioral Risk Factor Surveillance System

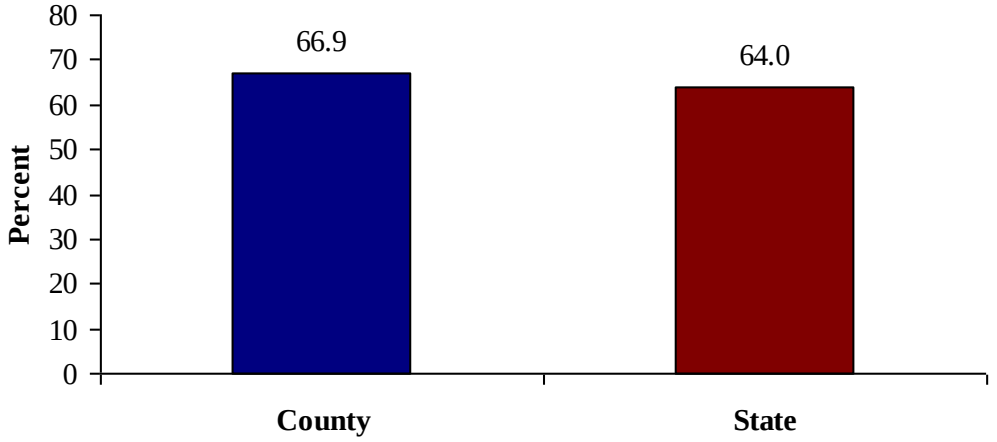
Madison County

Health Behaviors Indicators

Percent of adults (18 years or older) reporting received a pneumonia vaccination, Madison County & State, 2011-2015



Percent of adults (18 years or older) reporting received an influenza vaccination., Madison County & State, 2011-2015

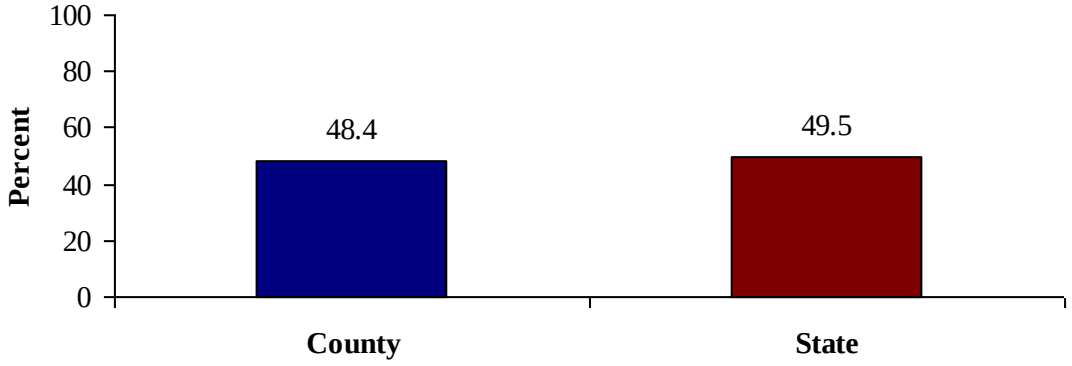


Source: Mississippi Behavioral Risk Factor Surveillance System

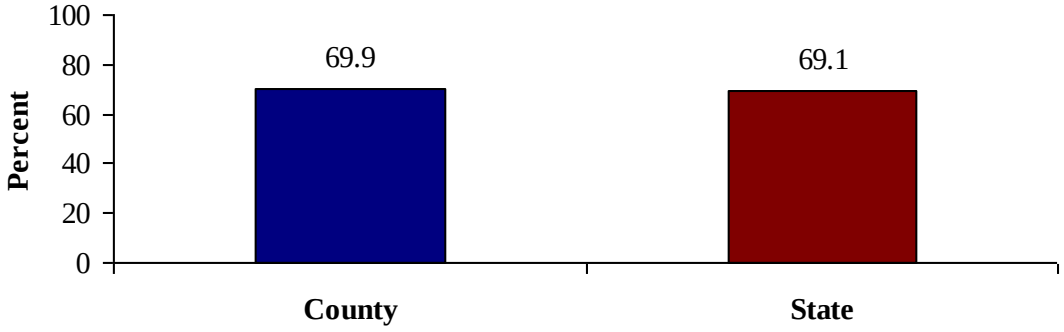
Madison County

Health Behaviors Indicators

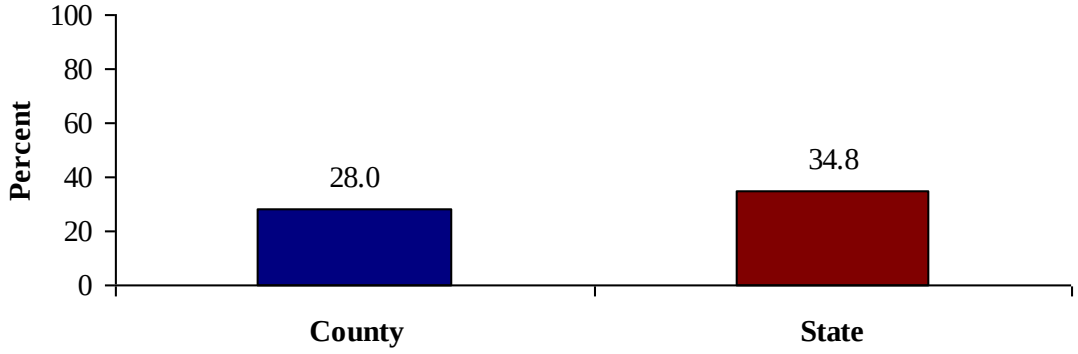
Percent of adults (18 years or older) reporting consuming at least five or more fruits daily, Madison County & State, 2011-2015



Percent of adults (18 years or older) reporting consuming at least five or more vegetables daily, Madison County & State, 2011-2015



Percent of adults (18 years or older) reporting doing physical activity or exercise during the past 30 days, Madison County & State, 2011-2015



Source: Mississippi Behavioral Risk Factor Surveillance System

Data Sources

Behavioral Risk Factor Surveillance System (BRFSS)

The BRFSS is an ongoing, state-based, random digit-dialed telephone survey of non-institutionalized U.S. adults aged 18 years or older. The survey collects information on health risk behaviors, preventive health practices, and health care access primarily related to chronic disease and injury. The BRFSS operates in 50 states, the District of Columbia, and three U.S. territories (Puerto Rico, U.S. Virgin Islands, and Guam).Self-reported data may be subject to errors for several reasons: an individual may have difficulty remembering events that occurred a long time ago or the frequency of certain behaviors; some respondents may over-report socially desirable behaviors or under-report behaviors they perceive to be less acceptable (e.g., social desirability or recall bias); respondents may also report certain risks, behaviors and perceptions differently due to their respective cultural and linguistic backgrounds (e.g., non-response) and data might be subject to systematic error resulting from non-coverage (e.g., lower telephone coverage among populations of low socioeconomic status). Additional information on Mississippi BRFSS methods is available at: http://msdh.ms.gov/brfss/.

Mississippi Vital Statistics

The Mississippi STatistically Automated Health Resource System (MSTAHRS) allows for the retrieval of vital records and other health related data on Mississippi residents. Deaths are coded using the Tenth Revision of the International Classification of Diseases (ICD-10). Death rates are age-adjusted to the projected year 2000 U.S. standard population and expressed as per 100,000 population. Available at: http://mstahrs.msdh.ms.gov/

QuickFacts Data

QuickFacts data are derived from: Population Estimates, American Community Survey, Census of Population and Housing, Current Population Survey, Small Area Health Insurance Estimates, Small Area Income and Poverty Estimates, State and County Housing Unit Estimates, County Business Patterns, Nonemployer Statistics, Economic Census, Survey of Business Owners, Building Permits. Available at: https://www.census.gov/quickfacts/

2010 Census Data

The Summary File 1 data tables provide the most detailed information available so far from the 2010 Census about a community's entire population, including cross-tabulations of age, sex, households, families, relationship to householder, housing units, detailed race and Hispanic or Latino origin groups, and group quarters. Available at: https://www.census.gov/2010census/

References

1. Mississippi Vital Statistics. The Mississippi STatistically Automated Health Resource System (MSTAHRS). http://mstahrs.msdh.ms.gov/

2. The Mississippi Behavioral Risk Factor Surveillance System (BRFSS). http://msdh.ms.gov/brfss/

3. 2010 Census Data. https://www.census.gov/2010census/data/

4. The American Community Survey (ACS). https://www.census.gov/programs-surveys/acs/

5. Mississippi Cancer Registry. http://cancer-rates.info/ms/

Mississippi State Department of Health

Health Data and Research

www. HealthyMS.com