

# HEALTHY FAMILY & SOCIAL RELATIONSHIPS

## HEART DISEASE

GOAL: Reduce the heart disease mortality rate for all residents of Calhoun County

**RATIONALE FOR CHOOSING INDICATOR:** Heart disease places a large burden on the United States both health-wise and financially. Heart disease is the leading cause of death for both men and women in the United States. One in every four deaths is a result of heart disease. Heart disease costs the United States approximately \$207 billion dollars each year due to the cost of healthcare services, medications, and lost productivity. Key risk factors for heart disease include high blood pressure, high LDL cholesterol and smoking. Other risk factors include having diabetes, being overweight or obese, poor diet, physical inactivity and excessive alcohol consumption. <sup>i</sup>

### AGE-ADJUSTED MORTALITY RATES PER 100,000 POPULATION FOR HEART DISEASE, BY SEX AND RACE <sup>ii, iii</sup>

Year	All Races					White			Black	
	Michigan	Calhoun County								
	Total	Total	Male	Female	Total	Male	Female	Total	Male	Female
2014	200.3	192.2	242.5	152.1	197.8	241.1	163.0	150.0	*	*
2013	200.3	174.4	230.3	130.2	171.6	222.2	130.4	193.6	*	*
2012	198.0	176.6	236.2	132.2	173.5	237.5	126.0	214.0	*	*
2011	201.9	204.9	244.9	171.0	199.3	241.3	164.2	253.0	*	*
2010	203.5	200.5	265.7	153.0	193.3	260.3	145.7	262.1	*	*

### HOSPITALIZATION RATE PER 10,000 POPULATION FOR HEART DISEASE, BY AGE AND GENDER, 2014 <sup>ii, iii</sup>

	Michigan		Calhoun County
	Total	125.7	Not Available
Gender	Male	133.3	Not Available
	Female	109.6	Not Available
Age	Under 18 Years	-	-
	18-44 Years	20.1	25.1
	45-64 Years	131.1	142.9
	65+ Years	501.8	523.2

**HOW ARE WE DOING?** In Calhoun County, there was an increase in the total rate of heart disease from 2013 to 2014. The rate also increased in each individual category except for the total rate among Blacks. The total age-adjusted heart disease mortality rate for Calhoun County residents has remained lower than the state for the past three years. However, Calhoun County saw higher heart disease hospitalization rates in 2014 among all age groups, compared to the state. <sup>iii</sup>

<sup>i</sup> Centers for Disease Control and Prevention. 2016. Heart Disease Fact Sheet. Retrieved from [http://www.cdc.gov/dhdsdp/data\\_statistics/fact\\_sheets/fs\\_heart\\_disease.htm](http://www.cdc.gov/dhdsdp/data_statistics/fact_sheets/fs_heart_disease.htm), December 2016.

<sup>ii</sup> 2014 Geocoded Michigan Death Certificate Registry. Division for Vital Records & Health Statistics, Michigan Department of Health & Human Services; Population Estimate (latest update 9/2014), National Center for Health Statistics, [U.S. Census Populations with Bridged Race Categories](https://www.census.gov/popest/data/totals/brbr.html).

<sup>iii</sup> Calhoun County Public Health Department, 2016.

**Age-Adjusted Mortality Rates Notes:** \*Indicates that the data do not meet standards of reliability or precision. Death records with race/sex not stated are included only in the "Total" column. Data displayed are by the underlying cause of death which is the condition giving rise to the chain of events leading to death. Causes of death are classified in accordance with the Tenth Revision of the International Classifications of Diseases (ICD-10), a coding structure developed by the World Health Organization. This revision has been used to classify deaths occurring on or after January 1, 1999. The [ICD-10 codes are grouped into broader categories](https://www.who.int/classifications/icd10/ICD10.html) for the causes listed in this table in order to classify these selected causes of death.

**Hospitalizations Notes:** Zero Hospitalizations are shown by a "—" Hospitalizations are inpatient hospital stays as measured by stays that were completed during the specified year. The number of hospitalizations is often greater than the number of persons hospitalized since some persons are hospitalized more than once during a year.