

The Burden of Heart Disease and Stroke in Wisconsin 2010

RISK FACTORS | DISPARITIES | ECONOMIC IMPACTS | MORTALITY



Wisconsin Heart Disease and Stroke Prevention Program
February 2010

Introduction

Cardiovascular disease (CVD) is the leading cause of death and one of the leading causes of disability in the United States and in Wisconsin. CVD is a major public health concern and economic burden to the people of Wisconsin. In 2007, there were more than 87,000 hospitalizations for cardiovascular disease in Wisconsin, accounting for approximately \$2.8 billion in hospital-related expenditures¹.

CVD is defined as all diseases of the heart and blood vessels and includes coronary (ischemic) heart disease (CHD), stroke (cerebrovascular disease), congestive heart failure (CHF), hypertensive disease, atherosclerosis, and others. Despite three decades of declining CVD death rates, cardiovascular disease remains the leading cause of death for men and women in the United States and in Wisconsin.

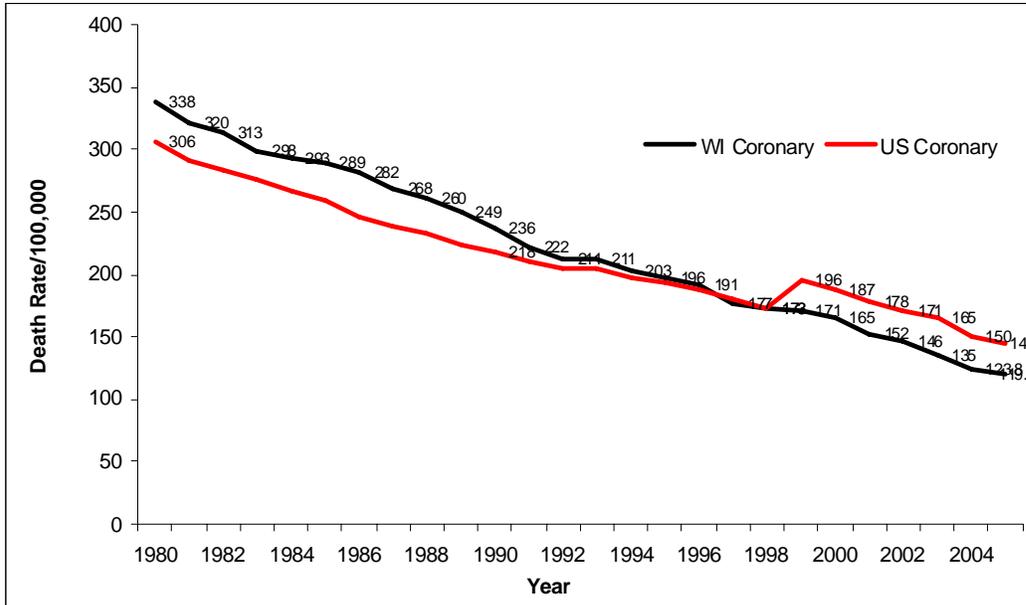
In 2007, the most current year with data available, cardiovascular disease accounted for about 32% (14,836) of all deaths (46,117) in Wisconsin. This includes 6,824 deaths due to coronary heart disease, 1,419 to congestive heart failure and 2,632 to stroke.

In addition, disparities in coronary heart disease and stroke remain between racial and ethnic populations in Wisconsin. For instance, from 2004 to 2007 American Indians had a 32% higher age-adjusted coronary heart disease mortality rate than their white counterparts. In the same period of time, African Americans had a 45% higher stroke mortality rate than their white counterparts, and Asians also had 22% higher stroke mortality rates than their white counterparts. Males for all races have higher death rates than females for both CHD and stroke².

Risk factors for cardiovascular disease are characteristics that increase a person's chance of developing cardiovascular disease. Some risk factors are not modifiable, such as age, gender, and family history of cardiovascular disease. However, many risk factors are modifiable and preventable through lifestyle and behavioral changes which can ultimately reduce a person's risk of cardiovascular disease. These modifiable risk factors include tobacco use, physical inactivity, high blood pressure, high cholesterol, poor nutrition, and other conditions such as diabetes, overweight, and obesity³.

Mortality (Deaths)

Figure 1: Age-Adjusted Mortality Rates* for Coronary Heart Disease, Wisconsin, 1980-2005 and the United States, 1980-2005**



Source: Wisconsin Deaths, Bureau of Health Information and Policy, DPH, Wisconsin Department of Health Services & Centers for Disease Control and Prevention, National Center for Health Statistics. Compressed Mortality File 1999-2005. CDC WONDER Online Database compiled from Compressed Mortality File 1999-2005 Series 20 No. 2K, 2008.

*Data labels are shown for all Wisconsin rates, but for only 1980, 1990, and 1999 and subsequent years for US rates.

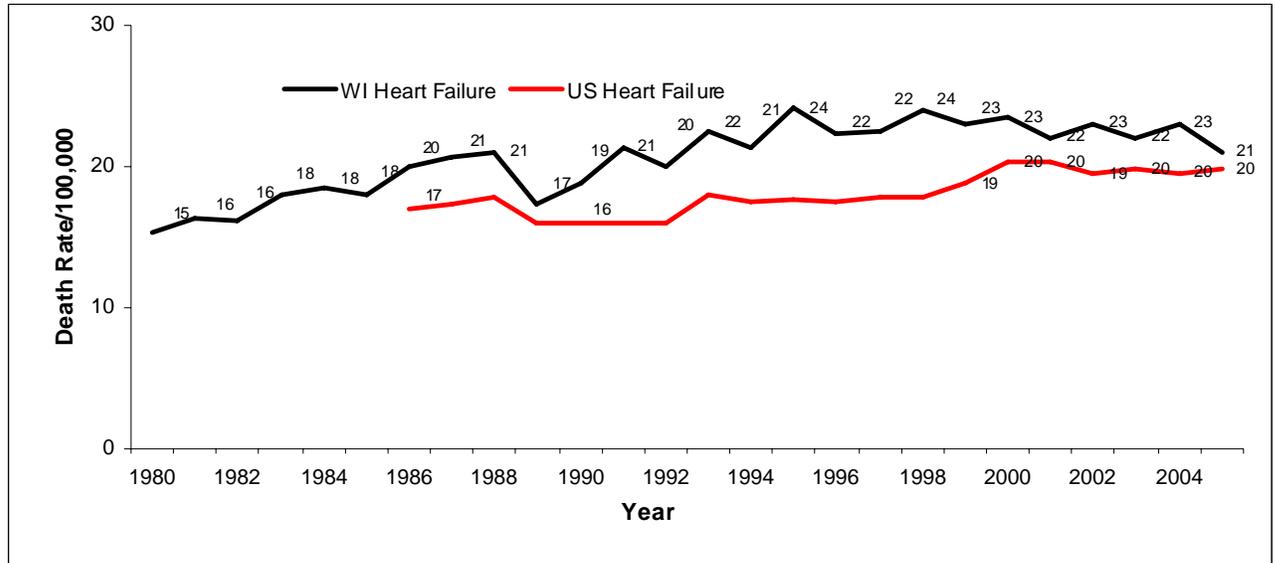
**ICD codes (ICD-9: 410-414, 429.2; ICD-10: I20-I25) were computed for this report. All rates are age-adjusted to the US 2000 Standard Population and expressed in deaths/100,000 population (see Technical Notes).

- Coronary heart disease (CHD) is the major category of CVD; the death rate in 2005 for CHD in Wisconsin was 119 deaths/100,000 population, a 65% decline from the rate of 338 deaths/100,000 population in 1980.
- The Wisconsin rate has been lower than the national average since 1998.
- In 2005, Wisconsin ranked 19th in CHD deaths (1st has the lowest death rate and 52nd has the highest death rate).

Mortality (Deaths)

Deaths from congestive heart failure (CHF) are increasing in Wisconsin and the nation.² The American Heart Association estimates that about 22% of men and 46% of women who survive a heart attack will be disabled from congestive heart failure within six years.²

Figure 2: Age-Adjusted Mortality Rates* for Congestive Heart Failure, Wisconsin, 1980-2005 and the United States, 1986-2005**



Source: Wisconsin Deaths, Bureau of Health Information and Policy, DPH, Wisconsin Department of Health Services & Centers for Disease Control and Prevention, National Center for Health Statistics. Compressed Mortality File 1999-2005. CDC WONDER Online Database compiled from Compressed Mortality File 1999-2005 Series 20 No. 2K, 2008.

*Data labels are shown for all Wisconsin rates, but for only 1986, 1990, and 1999 and subsequent years for US rates. 1986 was the first year US data was available from the American Heart Association.

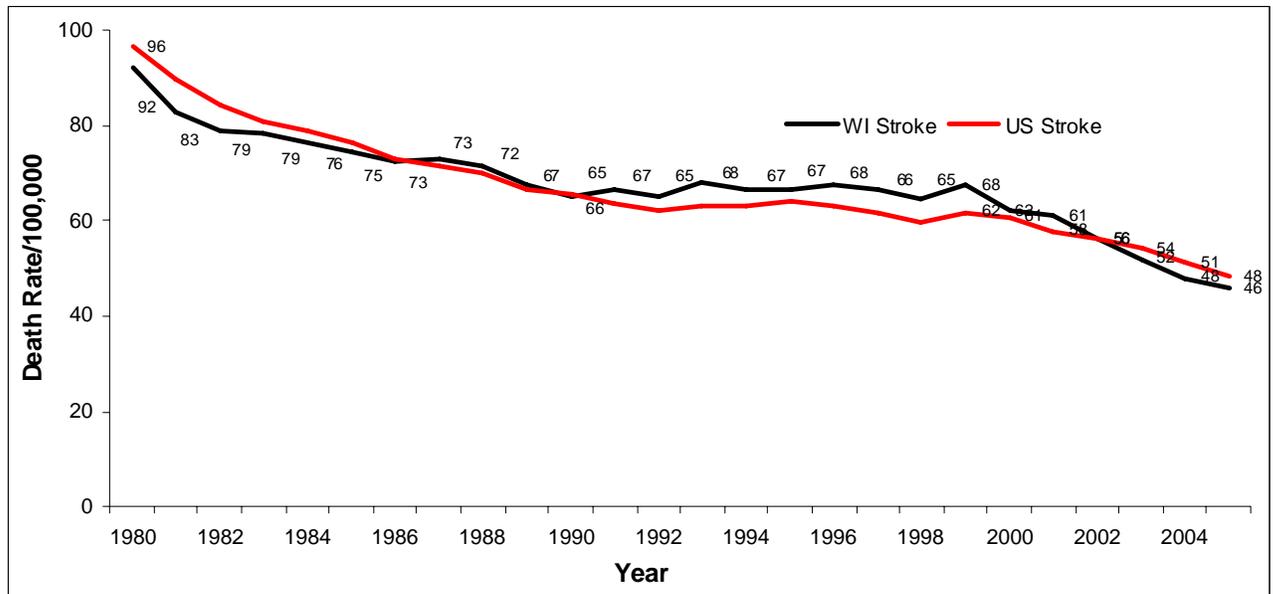
**ICD codes (ICD-9: 428; ICD-10: I50) were computed for this report. All rates are age-adjusted to the US 2000 Standard Population and expressed in deaths/100,000 population (see Technical Notes).

- Unlike the trend for most cardiovascular disease, mortality rates for congestive heart failure have been increasing since 1980.
- From 1980-2005, Wisconsin mortality rates increased from 15 to 21 deaths/100,000, representing a 40% increase.
- Wisconsin had consistently higher rates from 1986-2005 when compared with the US.
- In 2005, Wisconsin ranked 30th in CHF deaths (1st has the lowest death rate and 52nd has the highest death rate).

Mortality (Deaths)

Stroke is the leading cause of serious long-term disability in the United States. In 1999, there were more than 1.1 million adults who reported difficulty with functional limitations and activities of daily living resulting from stroke.²

Figure 3: Age-Adjusted Mortality Rates* for Stroke, Wisconsin, 1980-2005 and the United States, 1980-2005**



Source: Wisconsin Deaths, Bureau of Health Information and Policy, DPH, Wisconsin Department of Health Services & Centers for Disease Control and Prevention, National Center for Health Statistics. Compressed Mortality File 1999-2005. CDC WONDER Online Database compiled from Compressed Mortality File 1999-2005 Series 20 No. 2K, 2008.

*Data labels are shown for all Wisconsin rates, but for only 1980, 1990, and 1999 and subsequent years for US rates.

**ICD codes (ICD-9: 430-438; ICD-10: I60-69) were computed for this report. All rates are age-adjusted to the US 2000 Standard Population and expressed in deaths/100,000 population (see Technical Notes).

- From 1980-2005, the stroke mortality rate declined 50% in both Wisconsin and the nation.
- From 1986-2002, the stroke mortality rate in Wisconsin was greater or equal to the US mortality rate; however, since 2002 this trend was reversed.
- In 2005, Wisconsin ranked 24th in stroke deaths (1st has the lowest death rate and 52nd has the highest death rate).

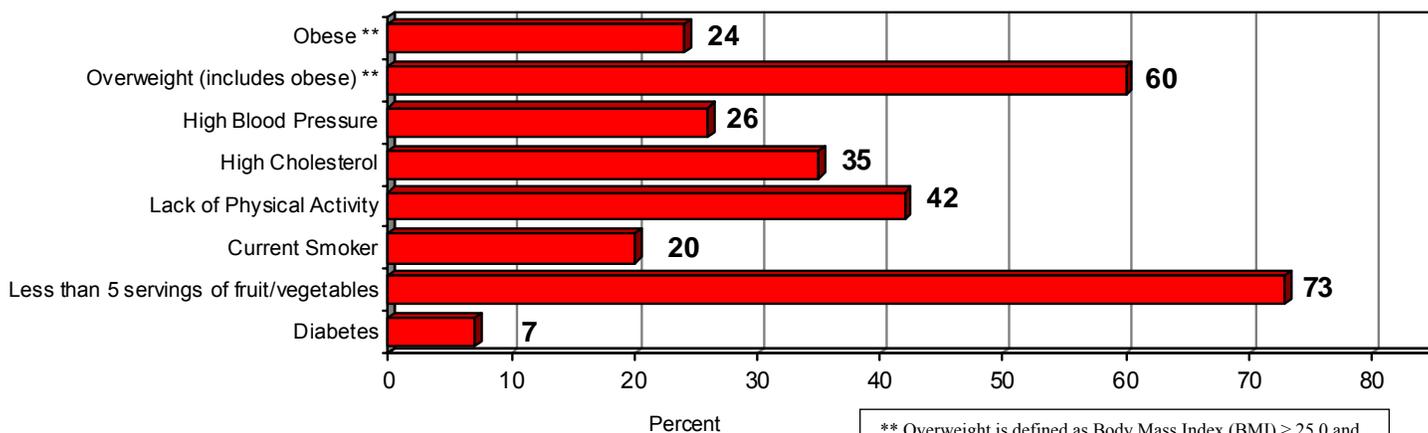
Wisconsin



	State of Wisconsin		
	Male	Female	All
Population 2007	2,804,008	2,837,573	5,641,581
Death Rate * (per 100,000 population), 2004-2007			
◆ Coronary Heart Disease	159.7	81.9	115.4
◆ Congestive Heart Failure	25.0	20.1	22.0
◆ Stroke	46.0	43.0	44.6
◆ Total Cost⁴ 2007	\$8,076,471,492		

* Death rate is direct age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD***



** Overweight is defined as Body Mass Index (BMI) \geq 25.0 and Obese is defined BMI \geq 30.0
 *** Behavioral Risk Factor Surveillance System 2007

OTHER INFORMATION

- ◆ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD caused more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ◆ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ◆ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% of which occurred in individuals under 65 years of age.
- ◆ In 2007 for Wisconsin, the total cost of CVD was estimated at 8.1 billion dollars. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ◆ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which has remained steady.

TECHNICAL NOTES: Mortality data (2004-2007): Bureau of Health Information and Policy (BHIP), Division of Public Health, Wisconsin Department of Health Services. Risk factors: 2003 Behavioral Risk Factor Surveillance System (BRFSS), Bureau of Health Information and Policy (BHIP), Division of Public Health, Wisconsin Department of Health Services. Body Mass Index (BMI) is defined as weight in kilograms divided by height in meters squared (kg/m^2). Overweight was defined as $\text{BMI} \geq 25\text{kg}/\text{m}^2$ and obese defined as $\text{BMI} \geq 30\text{kg}/\text{m}^2$. Lack of physical activity indicates not meeting the recommended guidelines for moderate physical activity, BRFSS 2007. Cost information is from the American Heart Association, Heart Disease and Stroke Statistics -- 2007 Update. Dallas, Texas. American Heart Association 2007. Direct costs are defined as medical expenditures attributable to cardiovascular disease. Indirect costs are defined as those related to foregone earnings due to disability and mortality attributable to cardiovascular disease. For more detailed information please see the section of Technical Notes.

Wisconsin

RISK FACTORS THAT CAN BE MODIFIED⁵⁻¹⁴

Overweight / Obesity

- People who are overweight or obese are more likely to develop heart disease and stroke even if they do not have other risk factors.

Recommendation: Maintain a healthy body weight, eat a healthy diet that includes at least five servings a day of fruits and vegetables, and meet physical activity recommendation (see physical inactivity).

High Blood Pressure

- For cardiovascular health, an ideal blood pressure is below 120/80 mmHg (systolic/diastolic), blood pressure between 120-139/80-89 mmHg is pre-hypertension, and $\geq 140/90$ mmHg is hypertension.
- More than 25% of Wisconsinites have high blood pressure.

Recommendation: Have your blood pressure measured at least every two years. Take medical steps to lower blood pressure if it is 140/90 mmHg or higher. To prevent pre-hypertension and reduce high blood pressure, begin with meeting physical activity recommendation and a diet rich in fruits and vegetables.

Cholesterol

- A total blood cholesterol level of 200 mg/dL or higher increases the risk for coronary artery disease.
- Aim for HDL (good cholesterol) ≥ 40 mg/dL for men and ≥ 50 mg/dL for women.
- Aim for LDL (bad cholesterol) < 100 mg/dL, total cholesterol < 200 mg/dL and triglycerides < 150 mg/dL.

Recommendation: Have your cholesterol checked at least every five years. Take steps if total cholesterol is 200 mg/dL or higher. Eating a healthy low-fat diet, a diet with plenty of fruits, vegetables and whole grain, and meet physical activity recommendation can reduce most cholesterol levels and increase HDL level.

Physical Inactivity (Lack of Exercise)

- Physical activity helps prevent heart disease. People who are not physically active have twice the risk of heart disease as those who are active. Regular, moderate physical activity provides excellent health benefits.

Recommendation: Fit in at least 30 minutes a day of accumulated moderate physical activity (for example, walking, housework, or gardening) for five or more days of the week.

Cigarette Smoking

- Cigarette smoking is a major cause of heart disease and stroke among both men and women. Smokers have twice the risk of heart attack as non-smokers.
- People exposed to secondhand tobacco smoke have an increased risk of developing heart disease.

Recommendation: If you smoke, quit. If you need assistance, speak with your doctor or call the free Wisconsin Tobacco Quit Line at 1-800-QUIT-NOW. Reduce your exposure to other people's smoke.

Diabetes

- People with diabetes are at greater risk for developing heart disease.
- Aim for the goal of fasting blood glucose between 70-130 mg/dl, A1c $< 7\%$, and blood pressure $< 130/80$ mmHg.

Recommendation: Reduce cardiovascular risks, quit smoking, meet physical activity recommendation, and maintain a healthy body weight with a healthy diet that includes plenty of fruits and vegetables and whole grain.

What a Community Can Do to Reduce Cardiovascular Disease

- Develop policies for tobacco control (for example, decrease youth cigarette access, advertising, and promotion).
- Ask restaurants, school lunch programs, vending companies, and work cafeterias to offer healthy food choices.
- Work with grocery stores and markets to increase access of fruits and vegetables.
- Support school health programs (for example, grades K-12 curricula).
- Promote worksite wellness programs.
- Encourage all persons to know their risk factors for developing heart disease and stroke via educational campaigns.
- Work together on projects that focus on balanced, healthy choices for both adults and children.

For more community resources: <http://dhs.wisconsin.gov/health/physicalactivity/Sites/Community/General/Index.htm>

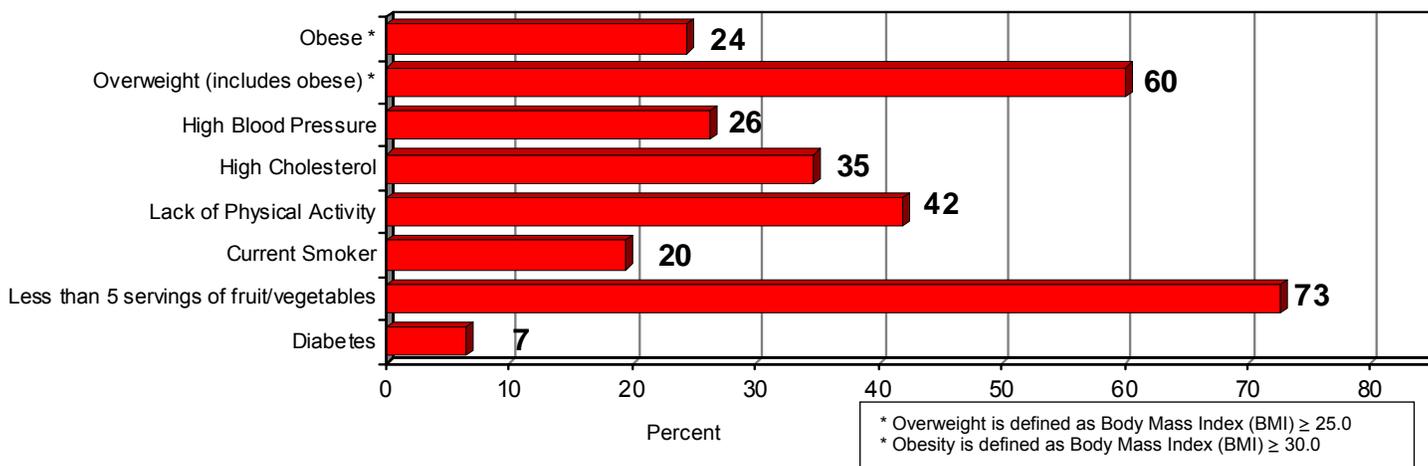
Adams County



	Adams County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	11,547	9,837	21,384	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	197.6	75.7	136.0	159.7	81.9	115.4
♦ Congestive Heart Failure	16.3	25.2	21.6	25.0	20.1	22.0
♦ Stroke	43.5	40.1	42.0	46.0	43.0	44.6
♦ Total Cost	\$30,613,274			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Adams County is increasing. In 2007 for Adams County, the total cost of CVD was estimated at \$30,613,274. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

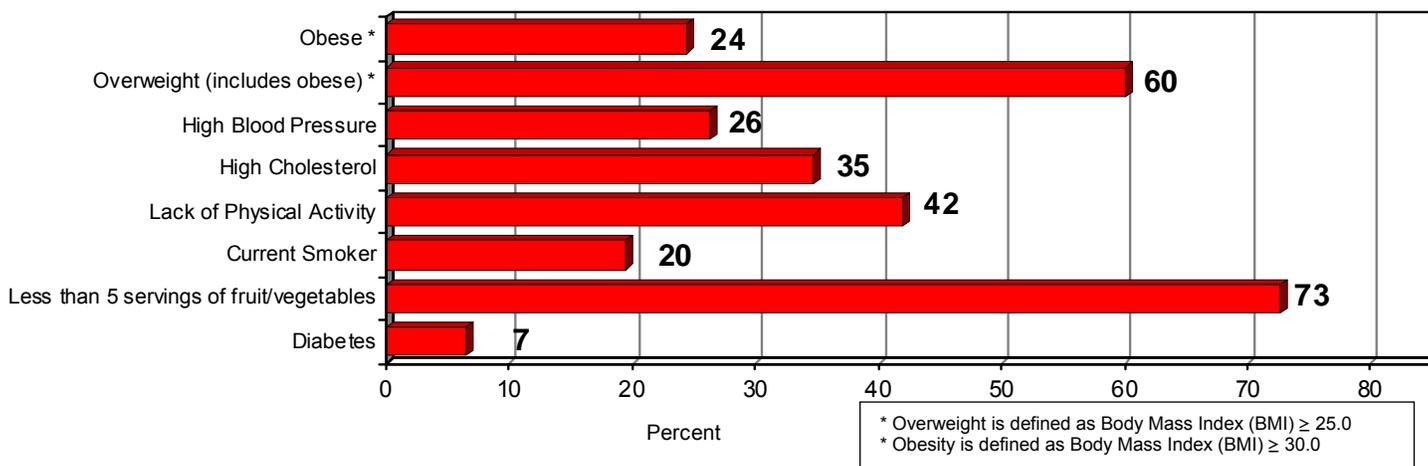
Ashland County



	Ashland County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	8,251	8,453	16,704	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	224.5	100.7	156.1	159.7	81.9	115.4
♦ Congestive Heart Failure	24.8	23.8	25.4	25.0	20.1	22.0
♦ Stroke	69.2	48.9	58.3	46.0	43.0	44.6
♦ Total Cost	\$23,913,399			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Ashland County is increasing. In 2007 for Ashland County, the total cost of CVD was estimated at \$23,913,399. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

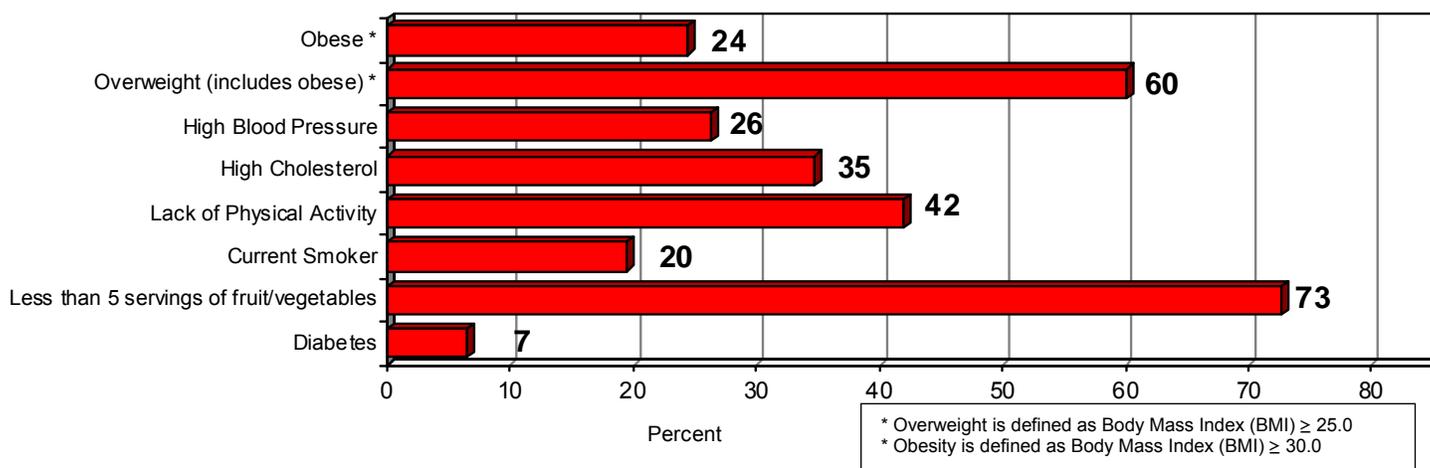
Barron County



	Barron County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	23,307	23,657	46,964	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	166.1	101.0	130.5	159.7	81.9	115.4
♦ Congestive Heart Failure	17.2	19.7	18.9	25.0	20.1	22.0
♦ Stroke	52.8	43.5	48.0	46.0	43.0	44.6
♦ Total Cost	\$67,233,530			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

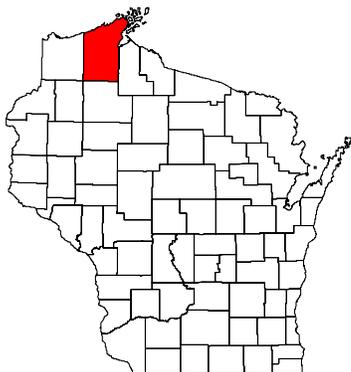
Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Barron County is increasing. In 2007 for Barron County, the total cost of CVD was estimated at \$67,233,530. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

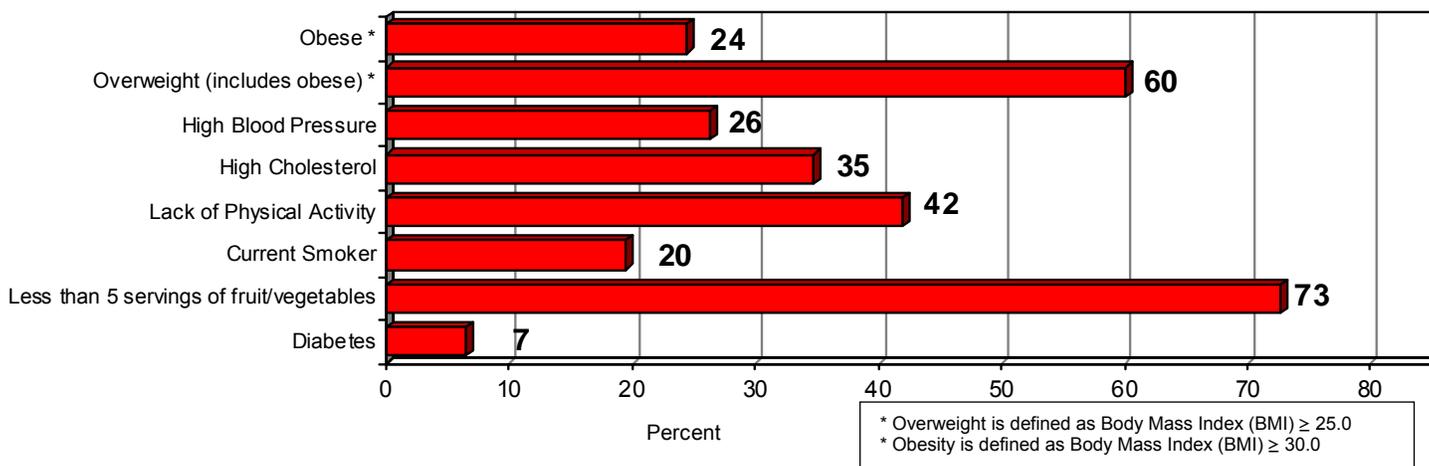
Bayfield County



	Bayfield County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	7,938	7,789	15,727	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	160.8	107.3	134.3	159.7	81.9	115.4
♦ Congestive Heart Failure	**	**	16.4	25.0	20.1	22.0
♦ Stroke	37.0	39.8	40.0	46.0	43.0	44.6
♦ Total Cost	\$22,514,729			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Bayfield County is increasing. In 2007 for Bayfield County, the total cost of CVD was estimated at \$22,514,729. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

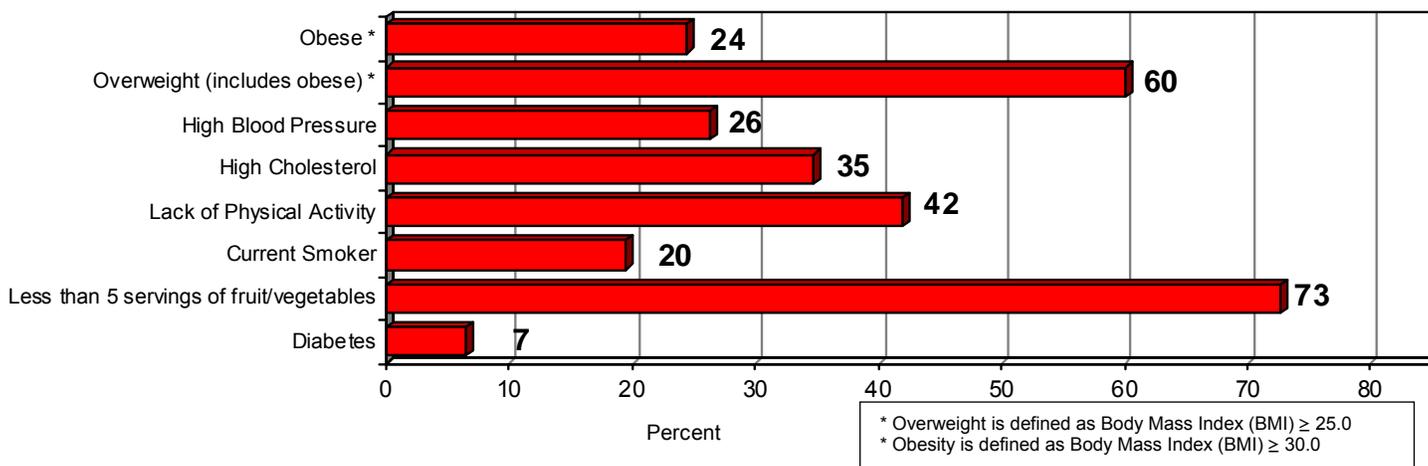
Brown County



	Brown County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	122,486	121,867	244,353	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	169.2	81.6	118.9	159.7	81.9	115.4
♦ Congestive Heart Failure	42.4	35.1	37.9	25.0	20.1	22.0
♦ Stroke	48.6	47.2	48.3	46.0	43.0	44.6
♦ Total Cost	\$349,815,068			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Brown County is increasing. In 2007 for Brown County, the total cost of CVD was estimated at \$349,815,068. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

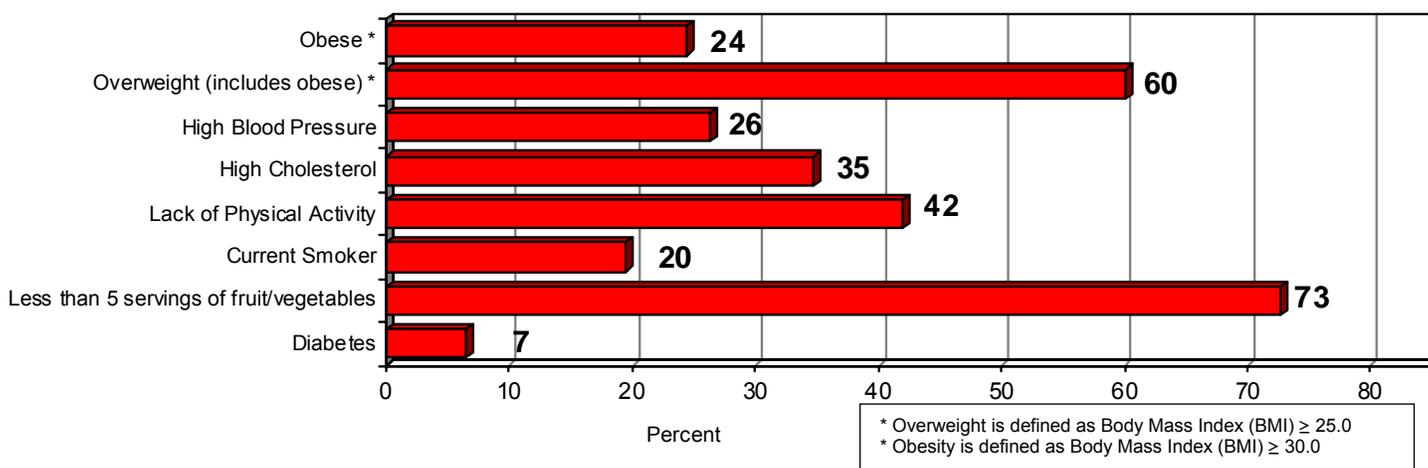
Buffalo County



	Buffalo County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	7,091	6,973	14,064	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	109.5	84.5	96.1	159.7	81.9	115.4
♦ Congestive Heart Failure	49.7	38.1	42.1	25.0	20.1	22.0
♦ Stroke	40.8	36.9	39.5	46.0	43.0	44.6
♦ Total Cost	\$20,133,983			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Buffalo County is increasing. In 2007 for Buffalo County, the total cost of CVD was estimated at \$20,133,983. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

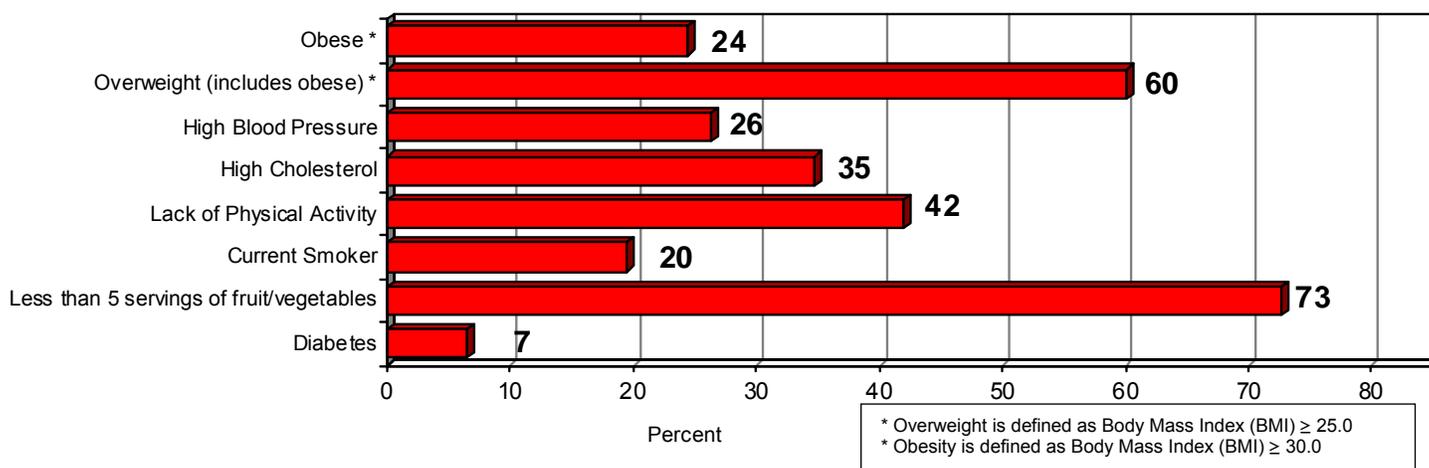
Burnett County



	Burnett County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	8,414	8,204	16,618	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	112.9	63.3	87.6	159.7	81.9	115.4
♦ Congestive Heart Failure	41.2	19.3	29.0	25.0	20.1	22.0
♦ Stroke	45.6	31.6	38.5	46.0	43.0	44.6
♦ Total Cost	\$23,790,282			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Burnett County is increasing. In 2007 for Burnett County, the total cost of CVD was estimated at \$23,790,282. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

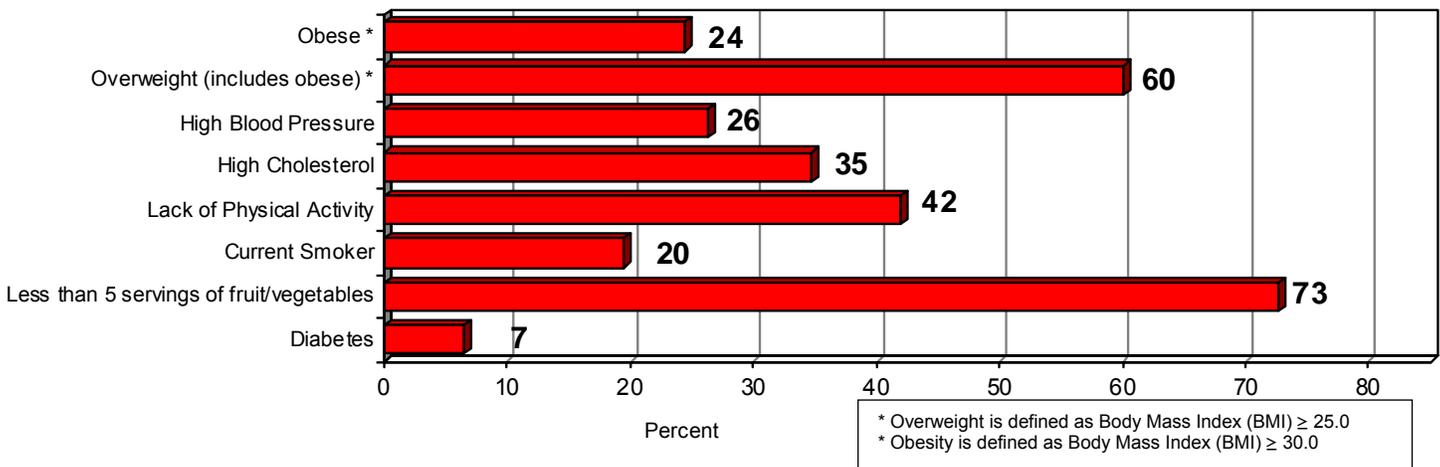
Calumet County



	Calumet County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	22,864	22,684	45,548	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	135.2	82.8	105.2	159.7	81.9	115.4
♦ Congestive Heart Failure	25.1	19.1	20.8	25.0	20.1	22.0
♦ Stroke	39.1	58.4	50.6	46.0	43.0	44.6
♦ Total Cost	\$65,206,389			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Calumet County is increasing. In 2007 for Calumet County, the total cost of CVD was estimated at \$65,206,389. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

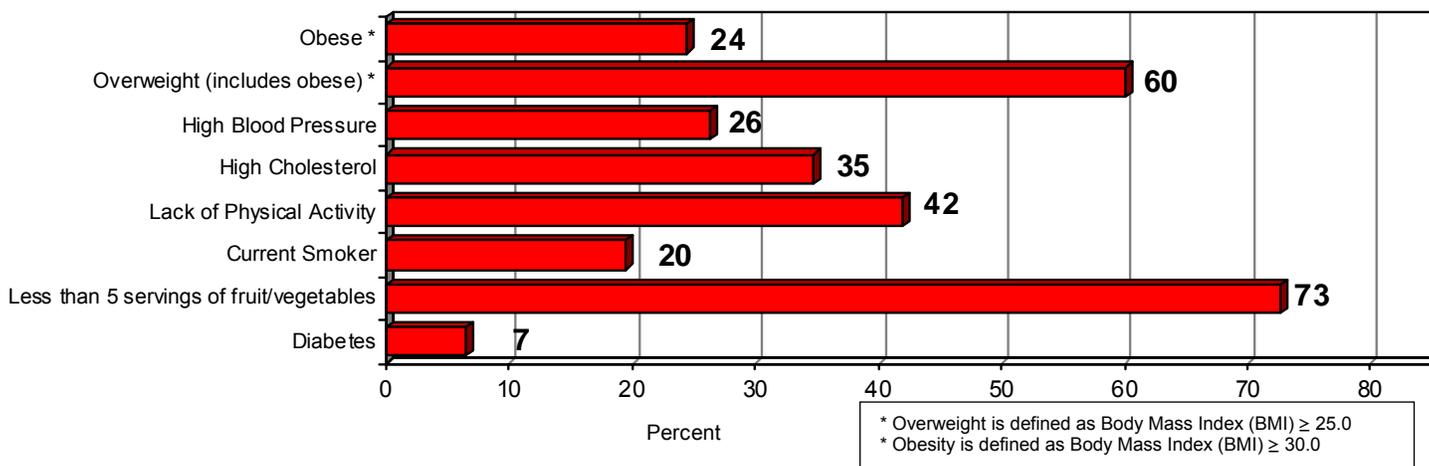
Chippewa County



	Chippewa County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	31,415	29,874	61,289	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	157.0	76.2	111.9	159.7	81.9	115.4
♦ Congestive Heart Failure	31.2	19.3	24.2	25.0	20.1	22.0
♦ Stroke	32.8	32.9	32.7	46.0	43.0	44.6
♦ Total Cost	\$87,741,160			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Chippewa County is increasing. In 2007 for Chippewa County, the total cost of CVD was estimated at \$87,741,160. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

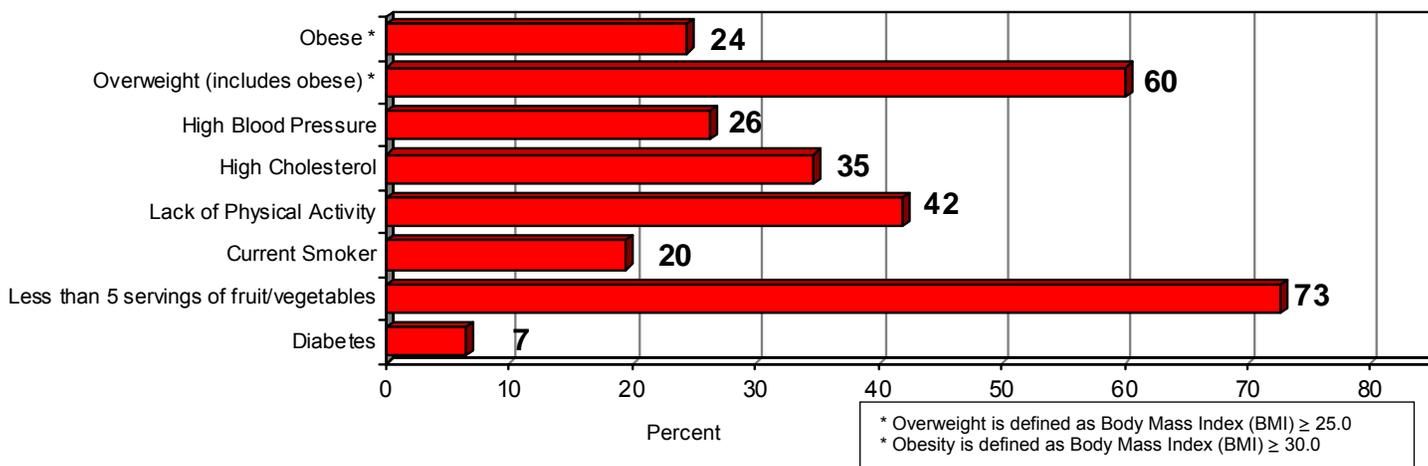
Clark County



	Clark County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	17,072	17,100	34,172	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	170.1	82.0	123.0	159.7	81.9	115.4
♦ Congestive Heart Failure	18.7	18.8	19.4	25.0	20.1	22.0
♦ Stroke	45.3	54.7	51.5	46.0	43.0	44.6
♦ Total Cost	\$48,920,539			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Clark County is increasing. In 2007 for Clark County, the total cost of CVD was estimated at \$48,920,539. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

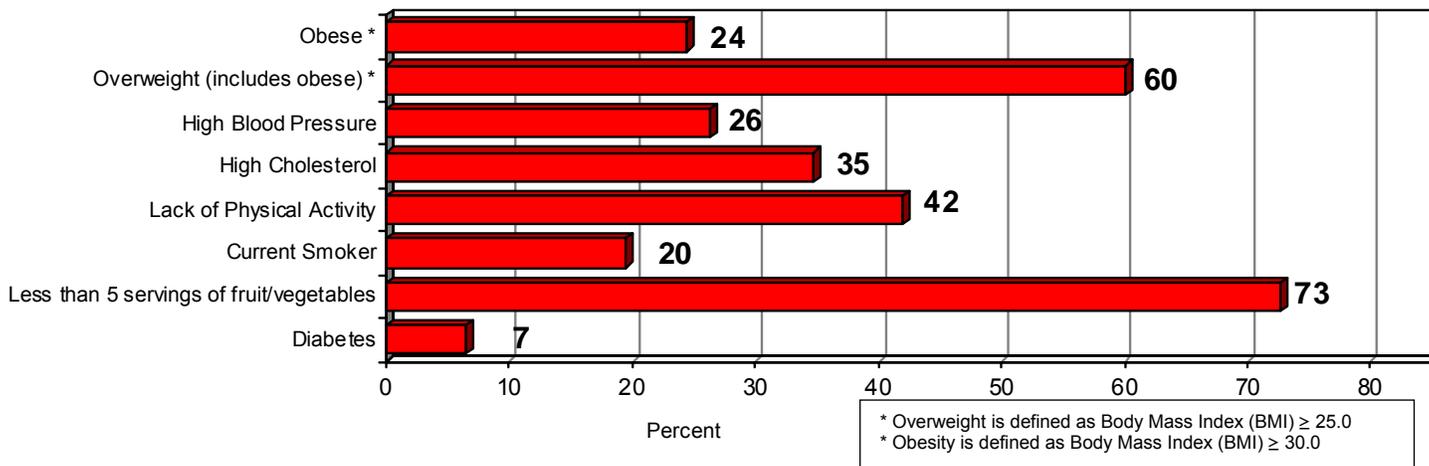
Columbia County



*	Columbia County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	28,282	27,399	55,681	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	156.7	71.1	106.4	159.7	81.9	115.4
♦ Congestive Heart Failure	24.3	19.8	21.8	25.0	20.1	22.0
♦ Stroke	57.3	53.1	56.4	46.0	43.0	44.6
♦ Total Cost	\$79,712,763			\$8,076,471,492		

age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Columbia County is increasing. In 2007 for Columbia County, the total cost of CVD was estimated at \$79,712,763. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

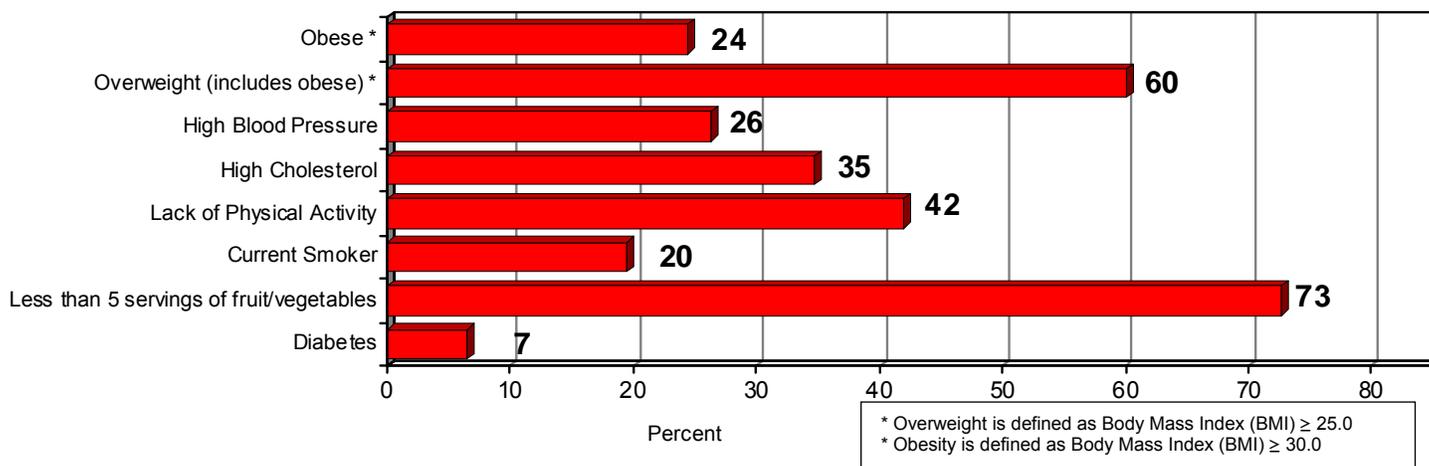
Crawford County



	Crawford County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	8,820	8,570	17,390	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	160.2	96.9	127.6	159.7	81.9	115.4
♦ Congestive Heart Failure	20.7	24.3	22.2	25.0	20.1	22.0
♦ Stroke	52.0	56.2	54.4	46.0	43.0	44.6
♦ Total Cost	\$24,895,475			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Crawford County is increasing. In 2007 for Crawford County, the total cost of CVD was estimated at \$24,895,475. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

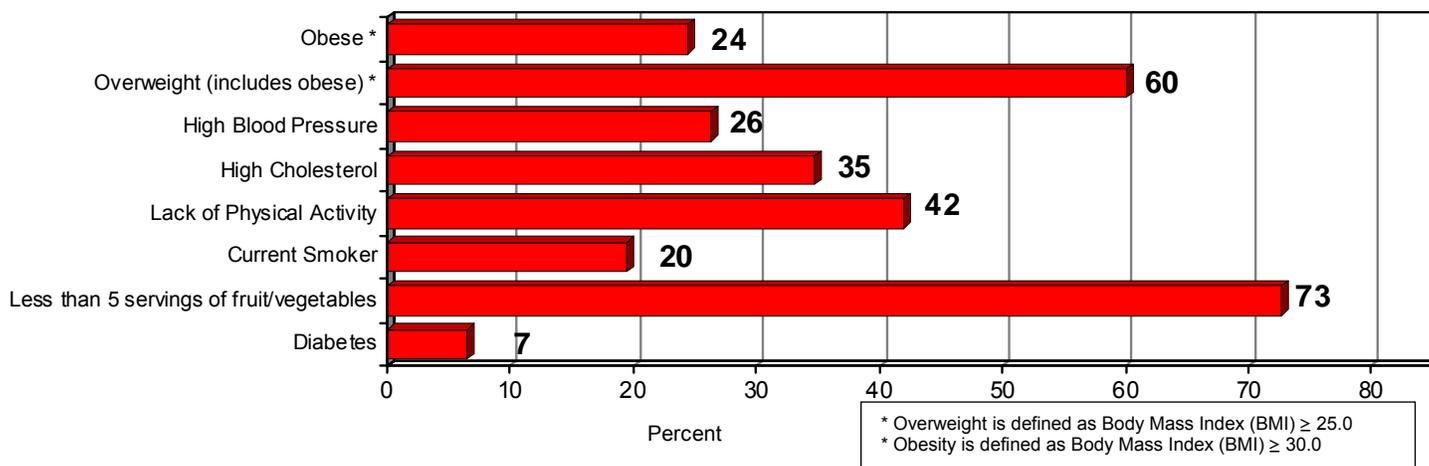
Dane County



	Dane County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	234,988	237,302	472,290	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	124.9	61.6	87.6	159.7	81.9	115.4
♦ Congestive Heart Failure	23.2	22.1	22.4	25.0	20.1	22.0
♦ Stroke	42.3	42.5	42.7	46.0	43.0	44.6
♦ Total Cost	\$676,129,036			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Dane County is increasing. In 2007 for Dane County, the total cost of CVD was estimated at \$676,129,036. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

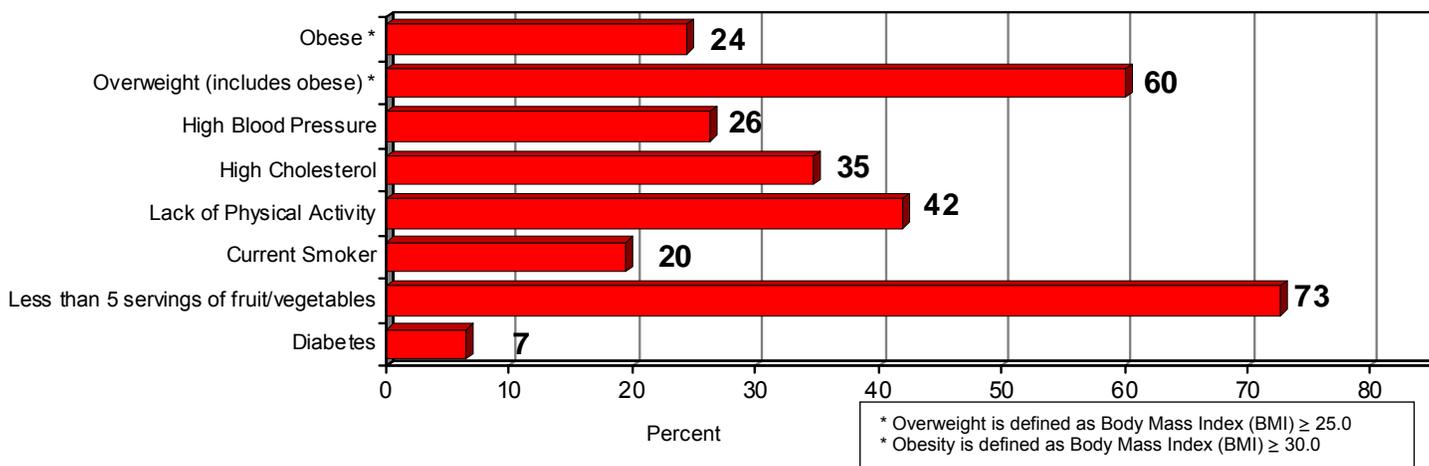
Dodge County



	Dodge County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	46,855	42,084	88,939	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	186.8	116.5	147.8	159.7	81.9	115.4
♦ Congestive Heart Failure	22.8	21.6	22.1	25.0	20.1	22.0
♦ Stroke	55.3	53.4	55.7	46.0	43.0	44.6
♦ Total Cost	\$127,324,822			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Dodge County is increasing. In 2007 for Dodge County, the total cost of CVD was estimated at \$127,324,822. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady

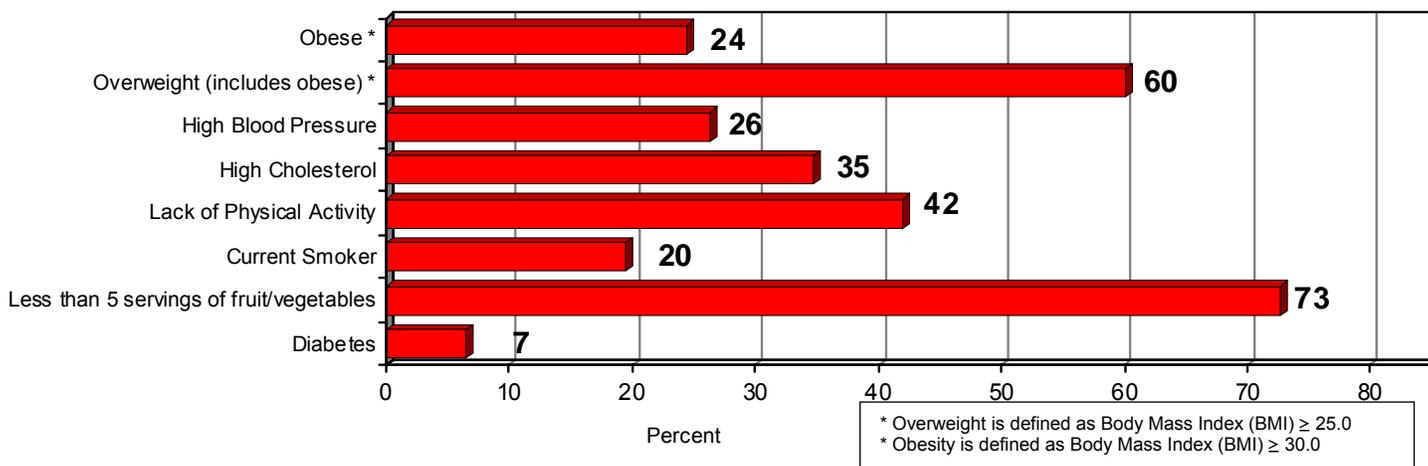
Door County



	Door County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	14,539	14,846	29,385	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	140.3	71.2	100.8	159.7	81.9	115.4
♦ Congestive Heart Failure	61.9	34.2	44.9	25.0	20.1	22.0
♦ Stroke	44.1	40.6	42.8	46.0	43.0	44.6
♦ Total Cost	\$42,067,483			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

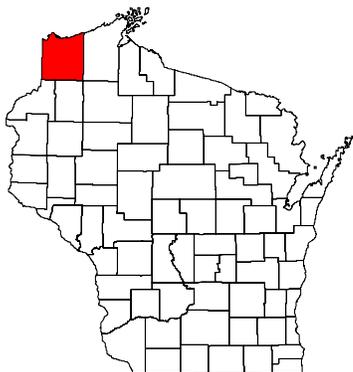
Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Door County is increasing. In 2007 for Door County, the total cost of CVD was estimated at \$42,067,483. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

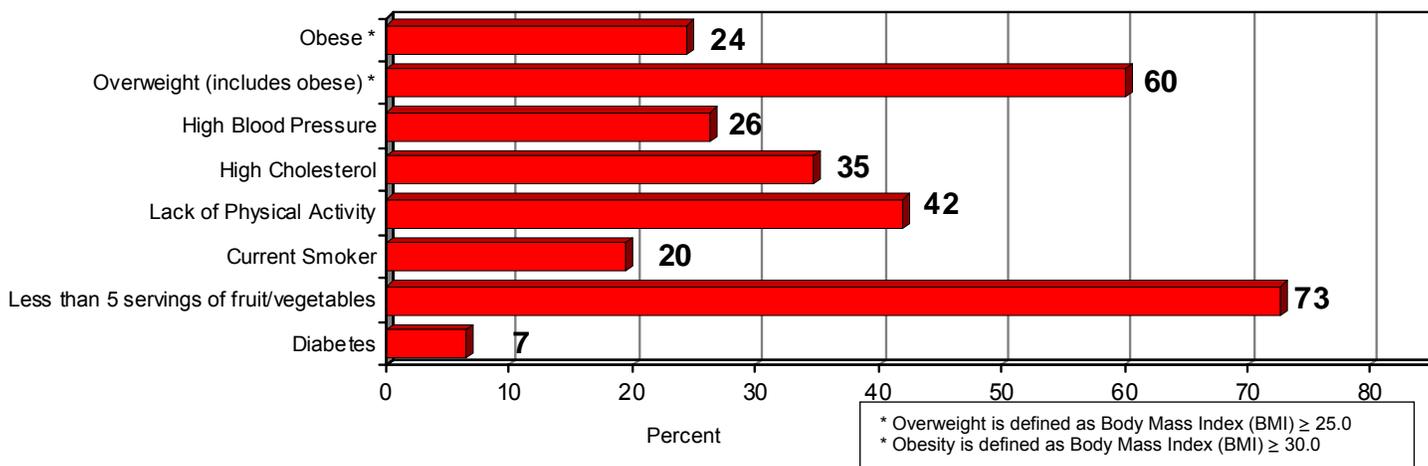
Douglas County



	Douglas County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	21,800	22,244	44,044	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	161.0	95.9	124.6	159.7	81.9	115.4
♦ Congestive Heart Failure	30.3	12.0	18.7	25.0	20.1	22.0
♦ Stroke	54.1	34.2	41.3	46.0	43.0	44.6
♦ Total Cost	\$63,053,267			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Douglas County is increasing. In 2007 for Douglas County, the total cost of CVD was estimated at \$63,053,267. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

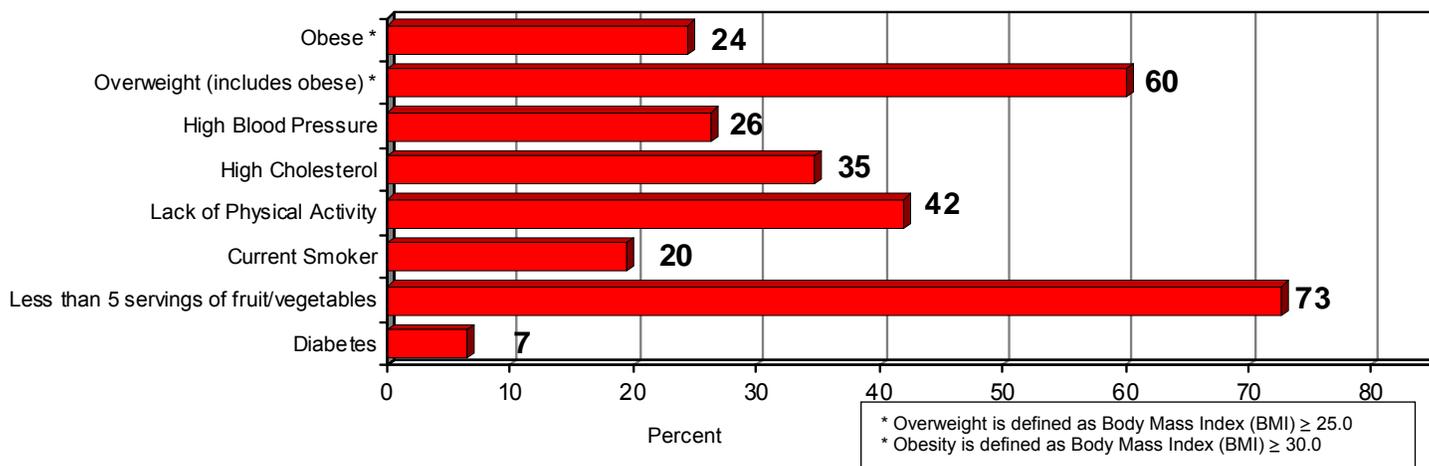
Dunn County



	Dunn County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	21,762	21,150	42,912	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	132.8	63.0	95.2	159.7	81.9	115.4
♦ Congestive Heart Failure	30.1	21.5	25.3	25.0	20.1	22.0
♦ Stroke	41.0	39.1	40.6	46.0	43.0	44.6
♦ Total Cost	\$61,432,699			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Dunn County is increasing. In 2007 for Dunn County, the total cost of CVD was estimated at \$61,432,699. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

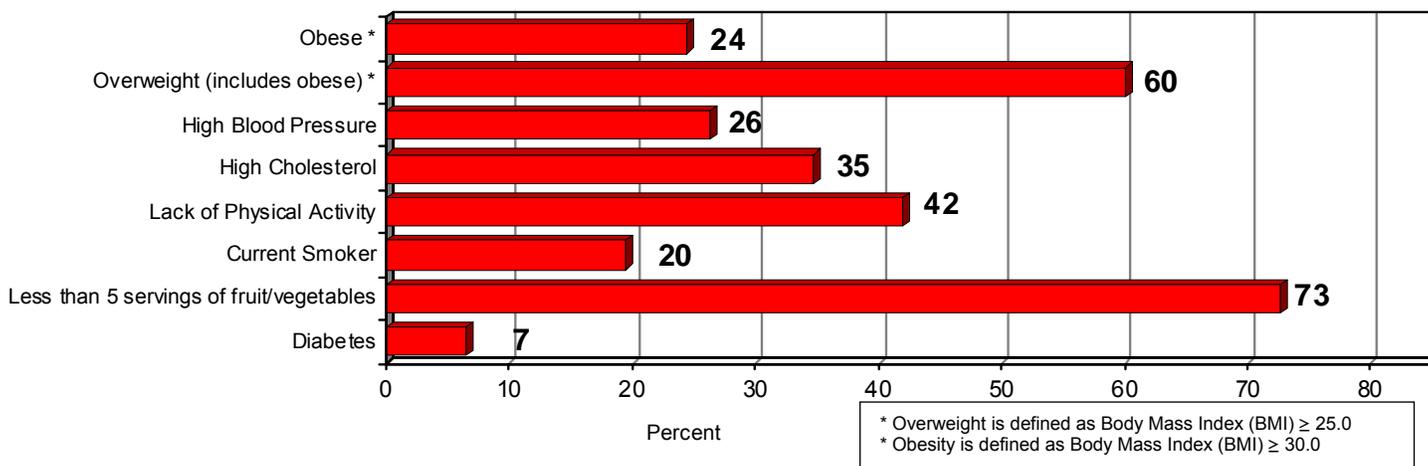
Eau Claire County



	Eau Claire County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	47,755	50,149	97,904	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	142.4	60.7	93.5	159.7	81.9	115.4
♦ Congestive Heart Failure	26.5	18.3	21.5	25.0	20.1	22.0
♦ Stroke	50.8	38.1	42.7	46.0	43.0	44.6
♦ Total Cost	\$140,159,091			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Eau Claire County is increasing. In 2007 for Eau Claire County, the total cost of CVD was estimated at \$140,159,091. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

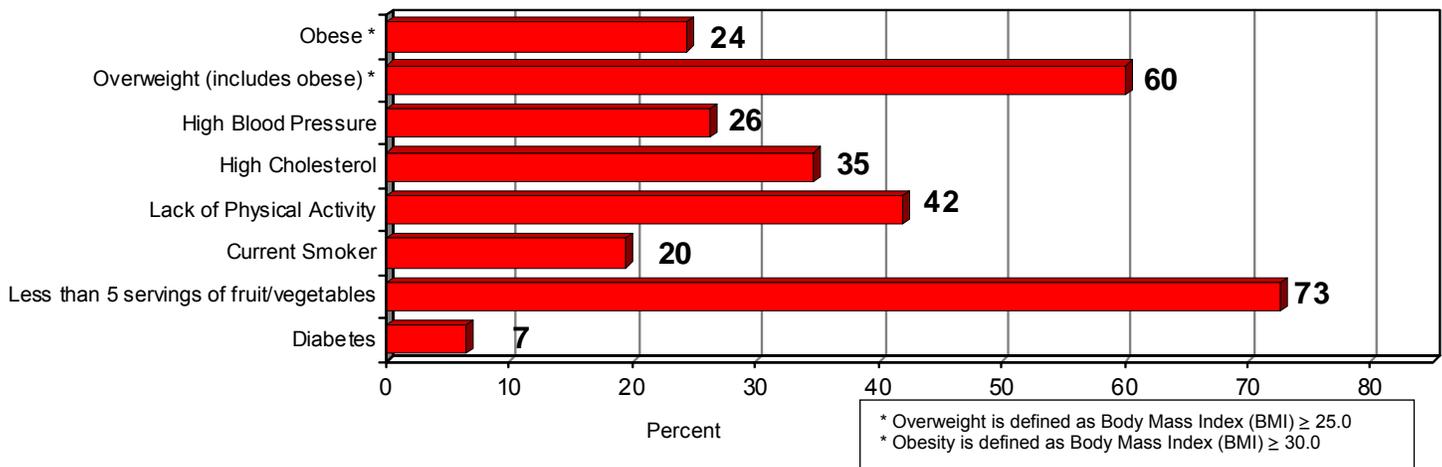
Florence County



	Florence County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	2,629	2,496	5,125	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	116.3	80.7	98.4	159.7	81.9	115.4
♦ Congestive Heart Failure	50.0	69.4	62.8	25.0	20.1	22.0
♦ Stroke	**	**	27.2	46.0	43.0	44.6
♦ Total Cost	\$7,336,936			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Florence County is increasing. In 2007 for Florence County, the total cost of CVD was estimated at \$7,336,936. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

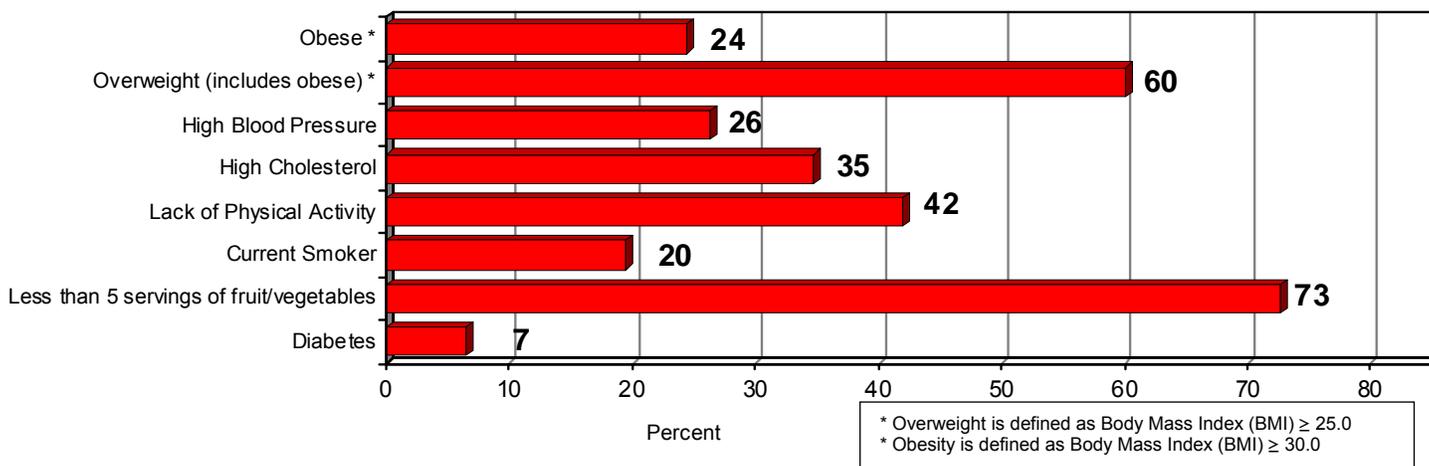
Fond du Lac County



	Fond du Lac County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	49,379	51,302	100,681	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	170.1	83.8	119.5	159.7	81.9	115.4
♦ Congestive Heart Failure	18.9	18.8	19.5	25.0	20.1	22.0
♦ Stroke	61.2	42.0	48.9	46.0	43.0	44.6
♦ Total Cost	\$144,134,636			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Fond du Lac County is increasing. In 2007 for Fond du Lac County, the total cost of CVD was estimated at \$144,134,636. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

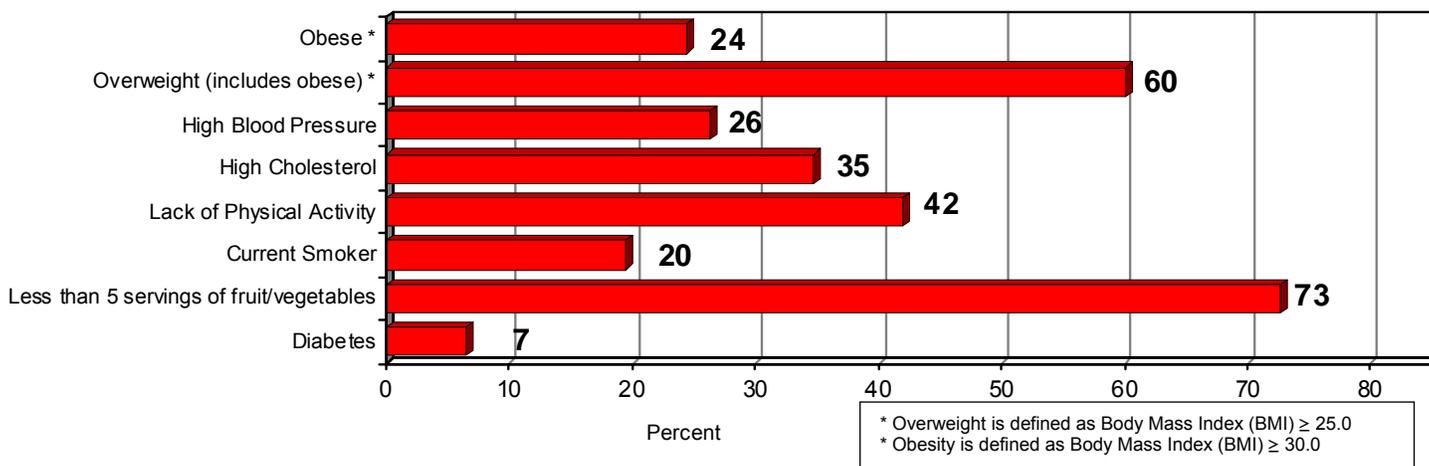
Forest County



	Forest County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	5,080	5,094	10,174	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	134.4	76.4	103.6	159.7	81.9	115.4
♦ Congestive Heart Failure	28.0	22.3	23.8	25.0	20.1	22.0
♦ Stroke	39.7	45.1	45.0	46.0	43.0	44.6
♦ Total Cost	\$14,565,070			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Forest County is increasing. In 2007 for Forest County, the total cost of CVD was estimated at \$14,565,070. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

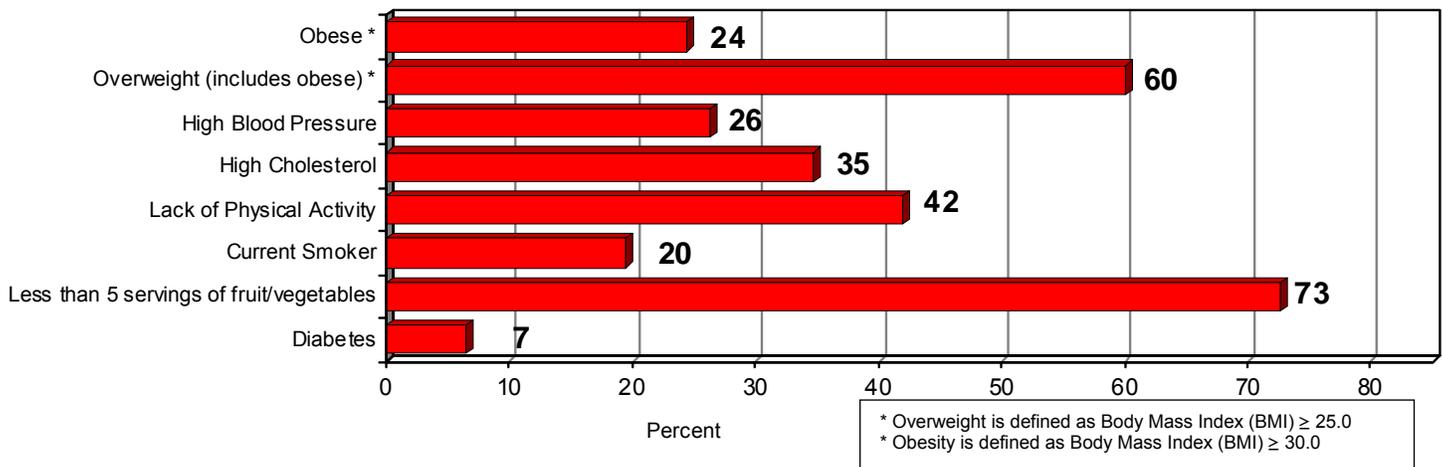
Grant County



	Grant County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	25,806	24,567	50,373	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	191.1	117.1	149.5	159.7	81.9	115.4
♦ Congestive Heart Failure	38.6	32.8	34.9	25.0	20.1	22.0
♦ Stroke	52.2	45.4	49.2	46.0	43.0	44.6
♦ Total Cost	\$72,113,845			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Grant County is increasing. In 2007 for Grant County, the total cost of CVD was estimated at \$72,113,845. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

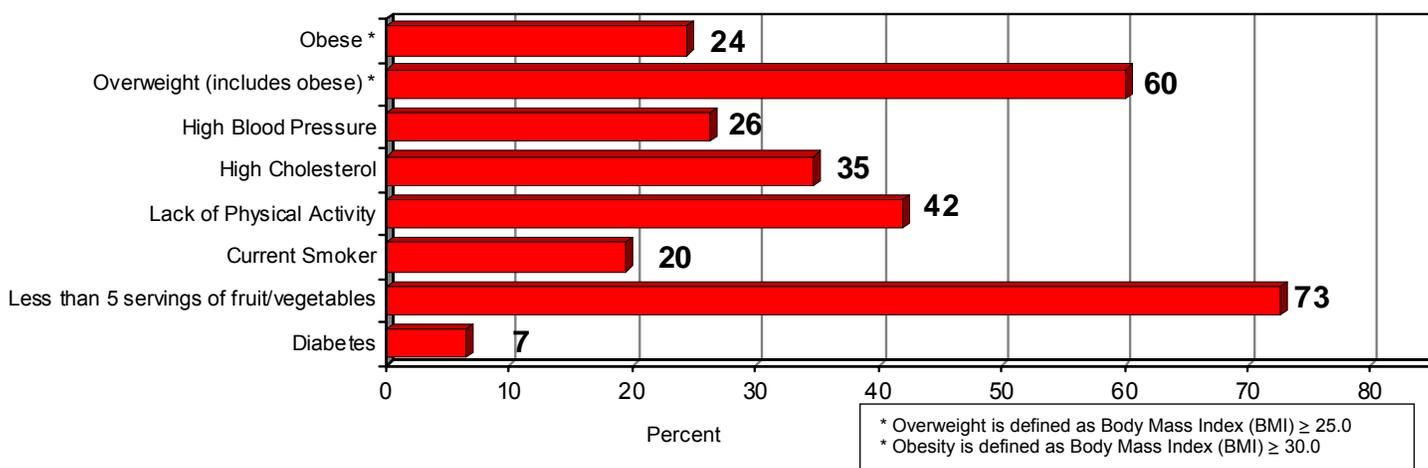
Green County



	Green County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	17,836	18,324	36,160	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	115.3	54.7	80.7	159.7	81.9	115.4
♦ Congestive Heart Failure	28.4	20.2	23.4	25.0	20.1	22.0
♦ Stroke	62.6	39.9	48.8	46.0	43.0	44.6
♦ Total Cost	\$51,766,554			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Green County is increasing. In 2007 for Green County, the total cost of CVD was estimated at \$51,766,554. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

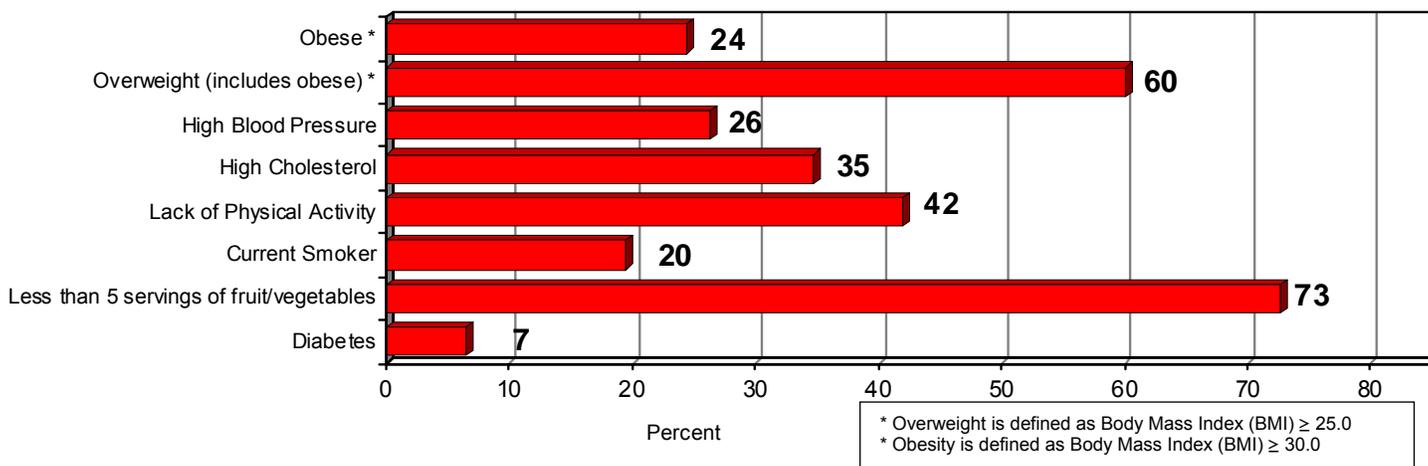
Green Lake County



	Green Lake County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	9,560	9,636	19,196	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	169.0	73.3	112.4	159.7	81.9	115.4
♦ Congestive Heart Failure	31.4	16.7	22.4	25.0	20.1	22.0
♦ Stroke	46.7	60.5	54.9	46.0	43.0	44.6
♦ Total Cost	\$27,480,940			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Green Lake County is increasing. In 2007 for Green Lake County, the total cost of CVD was estimated at \$27,480,940. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

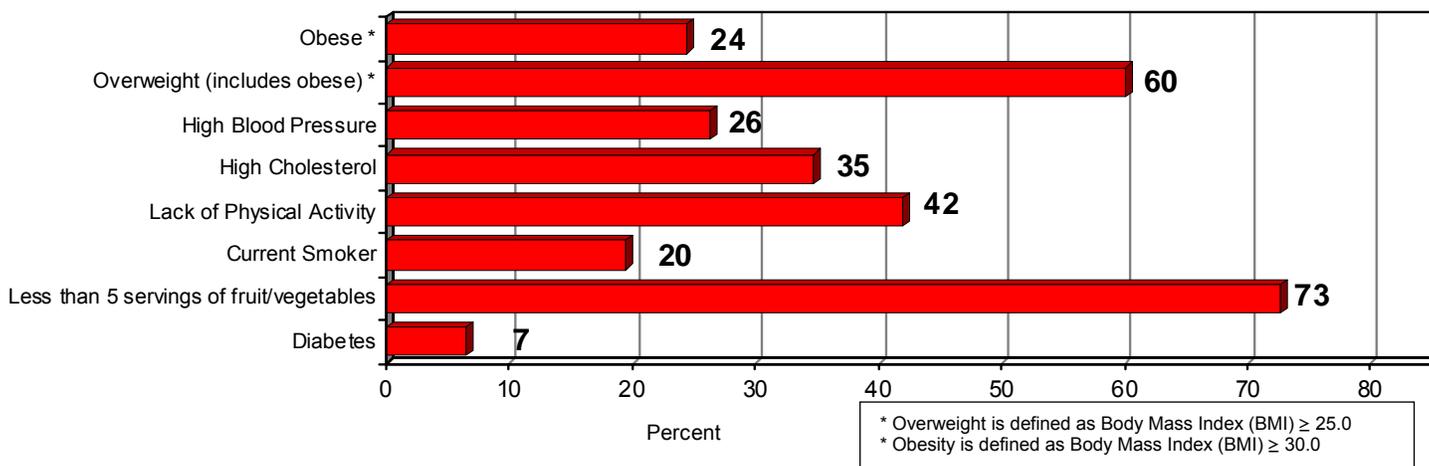
Iowa County



	Iowa County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	11,980	11,985	23,965	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	192.1	118.7	153.5	159.7	81.9	115.4
♦ Congestive Heart Failure	30.4	17.9	21.6	25.0	20.1	22.0
♦ Stroke	64.7	46.5	53.2	46.0	43.0	44.6
♦ Total Cost	\$34,308,227			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Iowa County is increasing. In 2007 for Iowa County, the total cost of CVD was estimated at \$34,308,227. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

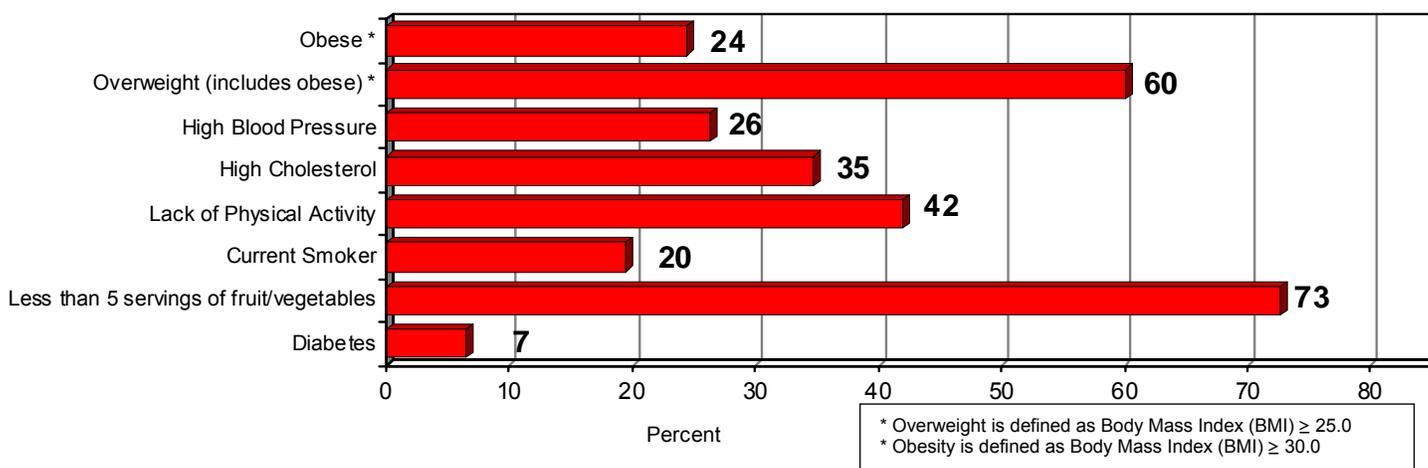
Iron County



	Iron County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	3,354	3,435	6,789	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	225.7	132.3	177.0	159.7	81.9	115.4
♦ Congestive Heart Failure	24.5	21.9	23.7	25.0	20.1	22.0
♦ Stroke	35.9	27.8	30.0	46.0	43.0	44.6
♦ Total Cost	\$9,719,113			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Iron County is increasing. In 2007 for Iron County, the total cost of CVD was estimated at \$9,719,113. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

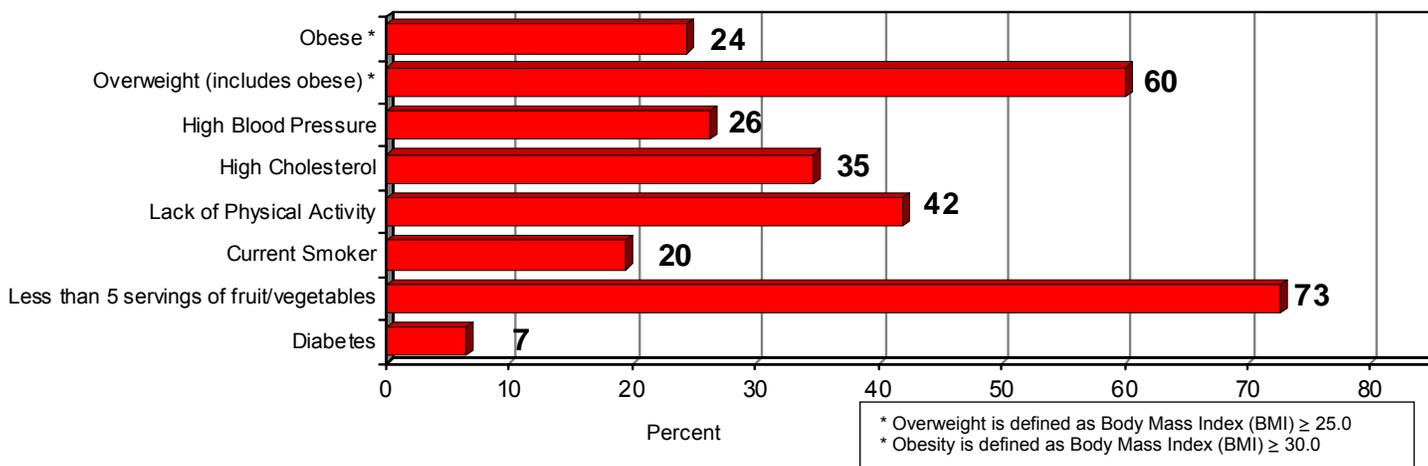
Jackson County



	Jackson County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	10,752	9,278	20,030	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	181.1	98.8	138.5	159.7	81.9	115.4
♦ Congestive Heart Failure	37.1	37.8	37.1	25.0	20.1	22.0
♦ Stroke	83.3	80.8	82.6	46.0	43.0	44.6
♦ Total Cost	\$28,674,892			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Jackson County is increasing. In 2007 for Jackson County, the total cost of CVD was estimated at \$28,674,892. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

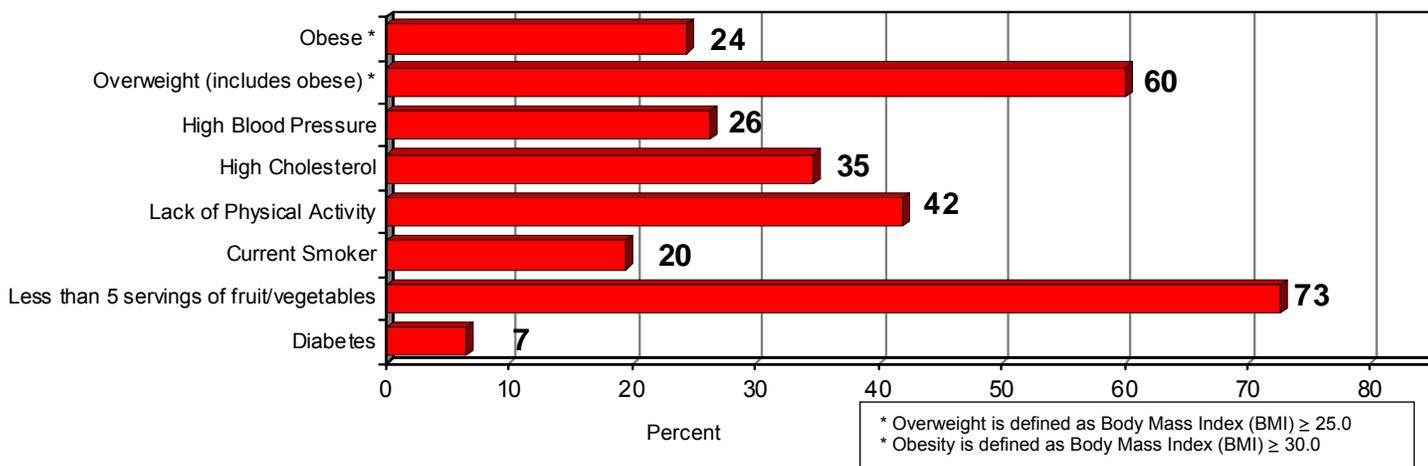
Jefferson County



	Jefferson County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	39,932	40,615	80,547	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	181.0	92.7	130.5	159.7	81.9	115.4
♦ Congestive Heart Failure	14.6	12.9	13.6	25.0	20.1	22.0
♦ Stroke	42.3	37.5	40.5	46.0	43.0	44.6
♦ Total Cost	\$115,310,859			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Jefferson County is increasing. In 2007 for Jefferson County, the total cost of CVD was estimated at \$115,310,859. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

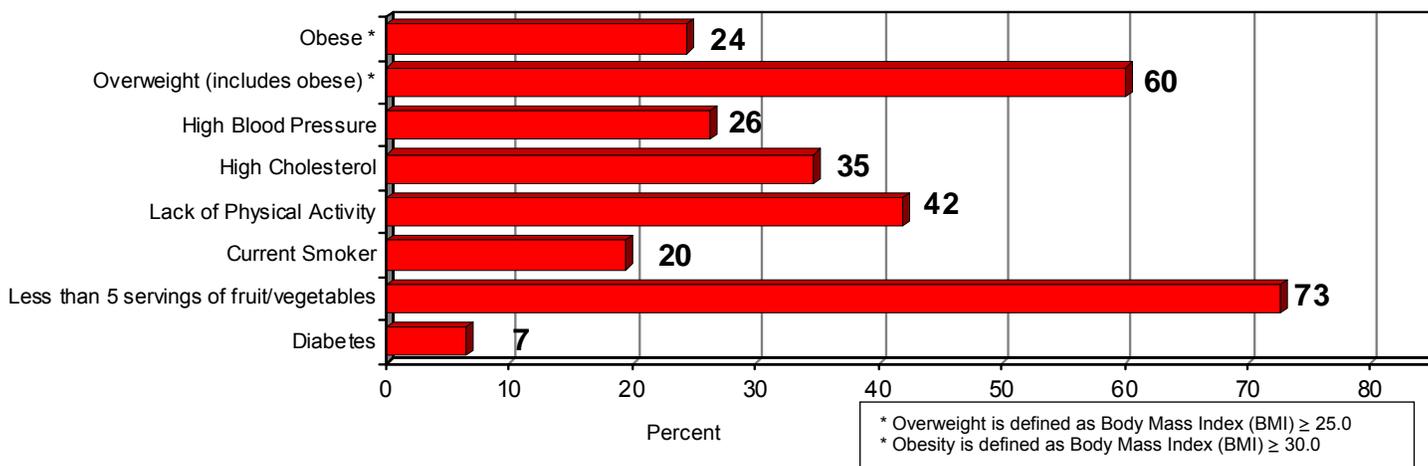
Juneau County



	Juneau County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	13,819	13,211	27,030	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	166.8	68.2	112.9	159.7	81.9	115.4
♦ Congestive Heart Failure	13.9	16.7	15.5	25.0	20.1	22.0
♦ Stroke	33.1	38.5	36.5	46.0	43.0	44.6
♦ Total Cost	\$38,696,072			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Juneau County is increasing. In 2007 for Juneau County, the total cost of CVD was estimated at \$38,696,072. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

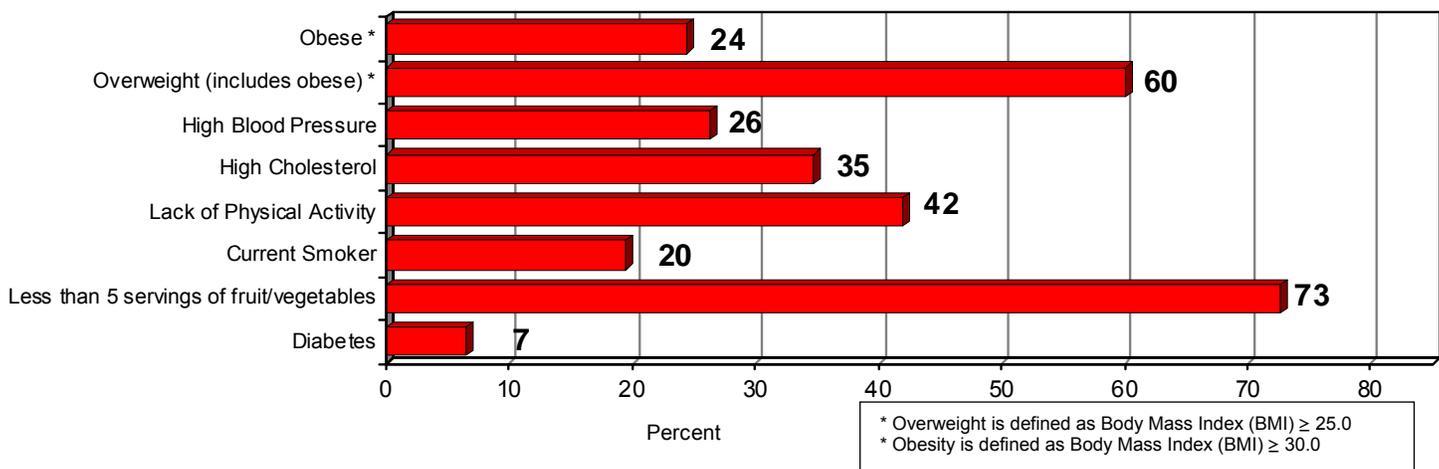
Kenosha County



	Kenosha County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	80,755	81,330	162,085	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	193.9	117.1	150.4	159.7	81.9	115.4
♦ Congestive Heart Failure	16.0	15.1	15.2	25.0	20.1	22.0
♦ Stroke	48.8	55.8	53.6	46.0	43.0	44.6
♦ Total Cost	\$232,040,430			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Kenosha County is increasing. In 2007 for Kenosha County, the total cost of CVD was estimated at \$232,040,430. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

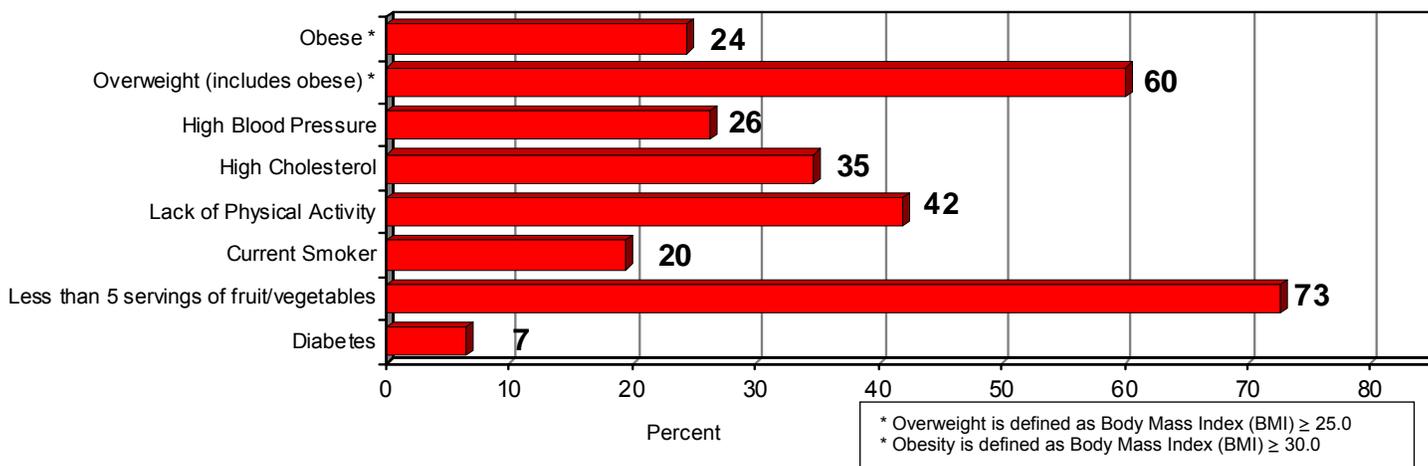
Kewaunee County



	Kewaunee County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	10,560	10,466	21,026	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	125.3	52.0	84.6	159.7	81.9	115.4
♦ Congestive Heart Failure	48.8	57.0	55.0	25.0	20.1	22.0
♦ Stroke	44.2	47.5	46.2	46.0	43.0	44.6
♦ Total Cost	\$30,100,762			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Kewaunee County is increasing. In 2007 for Kewaunee County, the total cost of CVD was estimated at \$30,100,762. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

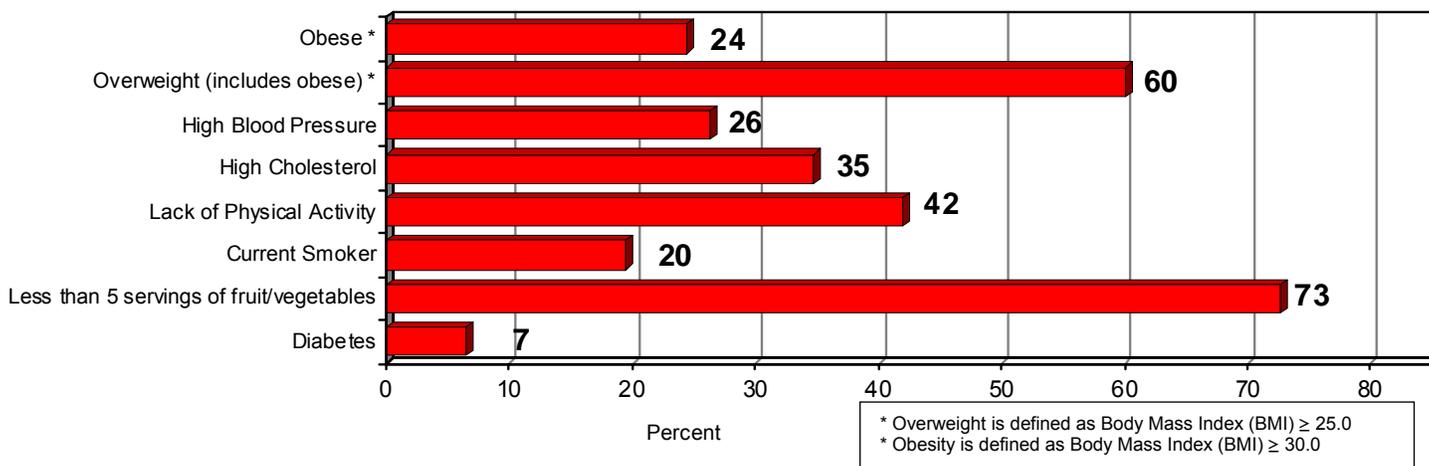
La Crosse County



	La Crosse County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	54,696	57,287	111,983	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	155.5	71.4	105.1	159.7	81.9	115.4
♦ Congestive Heart Failure	24.8	18.3	20.1	25.0	20.1	22.0
♦ Stroke	46.3	40.9	43.7	46.0	43.0	44.6
♦ Total Cost	\$160,314,548			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in La Crosse County is increasing. In 2007 for La Crosse County, the total cost of CVD was estimated at \$160,314,548. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

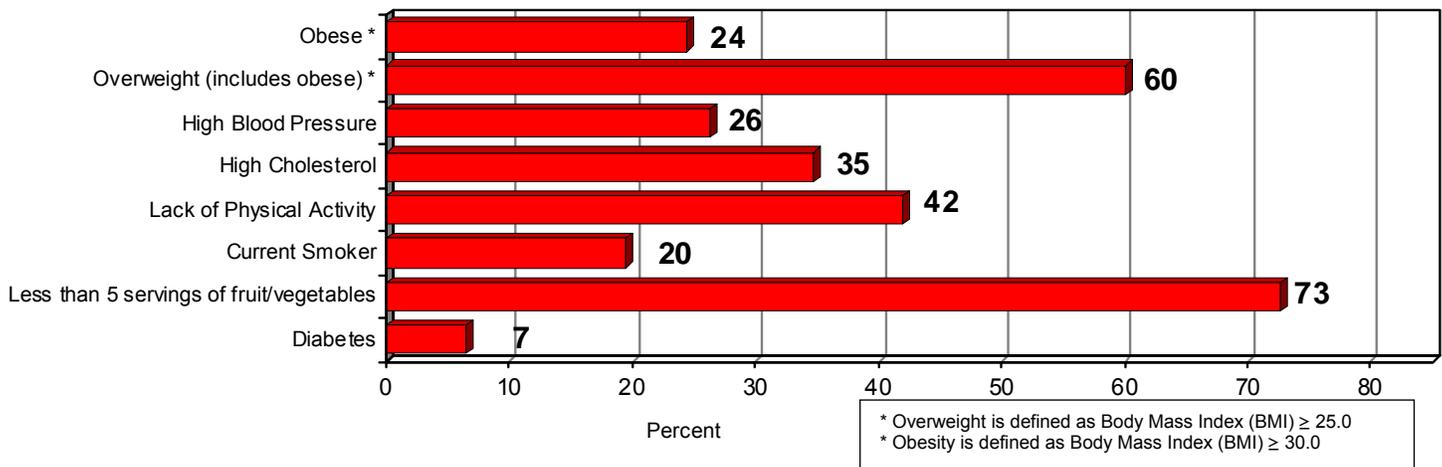
Lafayette County



	Lafayette County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	8,105	8,096	16,201	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	176.6	85.9	125.1	159.7	81.9	115.4
♦ Congestive Heart Failure	23.1	9.0	15.4	25.0	20.1	22.0
♦ Stroke	47.2	29.9	38.6	46.0	43.0	44.6
♦ Total Cost	\$23,193,306			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Lafayette County is increasing. In 2007 for Lafayette County, the total cost of CVD was estimated at \$23,193,306. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

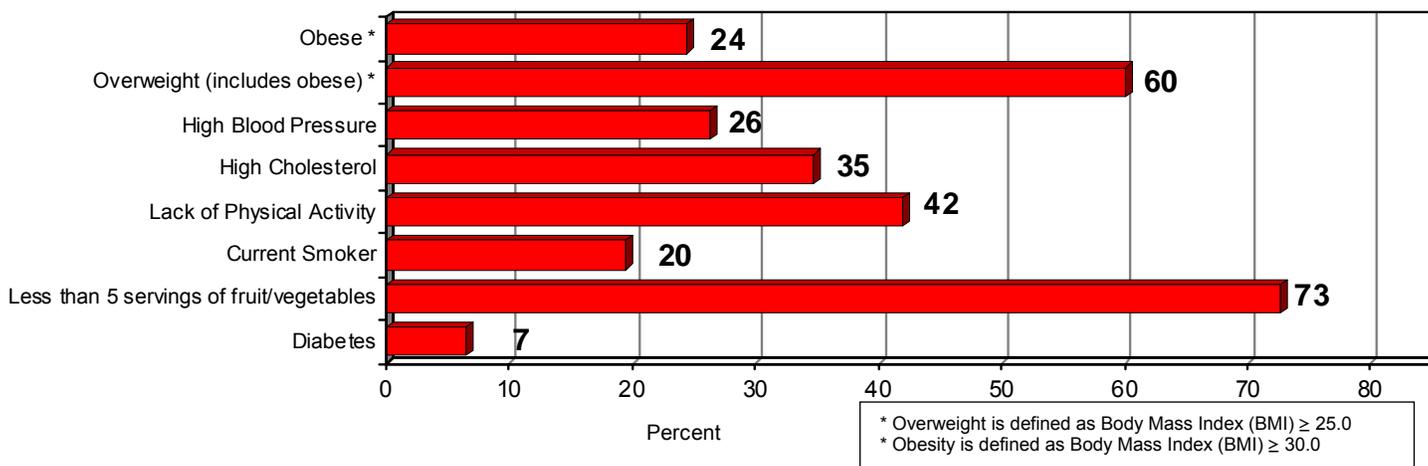
Langlade County



	Langlade County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	10,611	10,558	21,169	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	177.2	93.7	132.0	159.7	81.9	115.4
♦ Congestive Heart Failure	17.5	12.5	14.9	25.0	20.1	22.0
♦ Stroke	47.3	48.8	50.3	46.0	43.0	44.6
♦ Total Cost	\$30,305,481			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Langlade County is increasing. In 2007 for Langlade County, the total cost of CVD was estimated at \$30,305,481. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

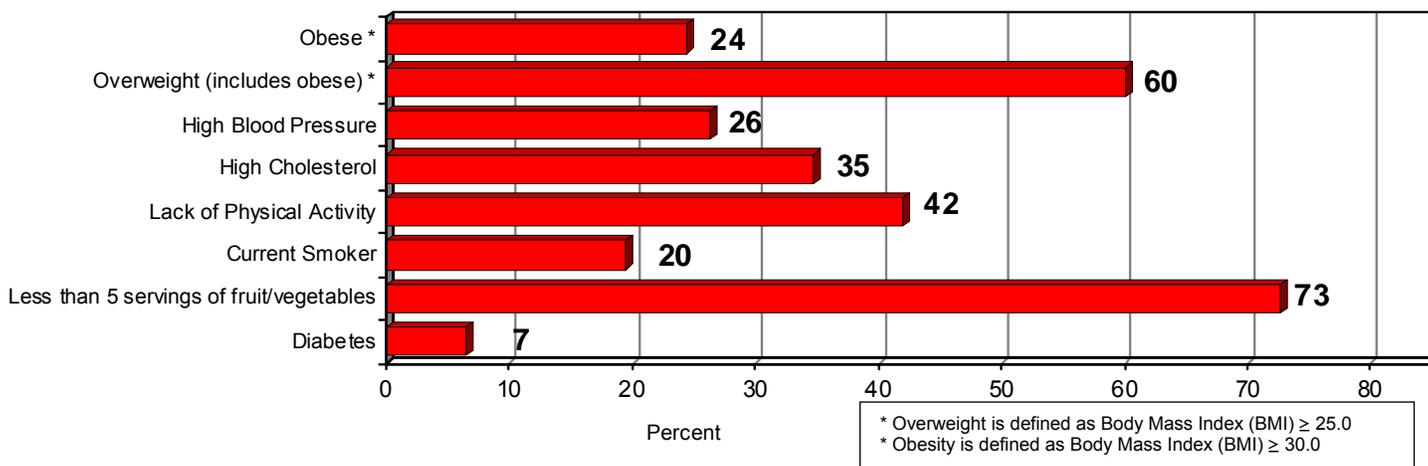
Lincoln County



	Lincoln County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	15,219	15,078	30,297	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	152.0	70.7	108.8	159.7	81.9	115.4
♦ Congestive Heart Failure	22.7	24.5	23.2	25.0	20.1	22.0
♦ Stroke	45.9	36.8	40.6	46.0	43.0	44.6
♦ Total Cost	\$43,373,100			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Lincoln County is increasing. In 2007 for Lincoln County, the total cost of CVD was estimated at \$43,373,100. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

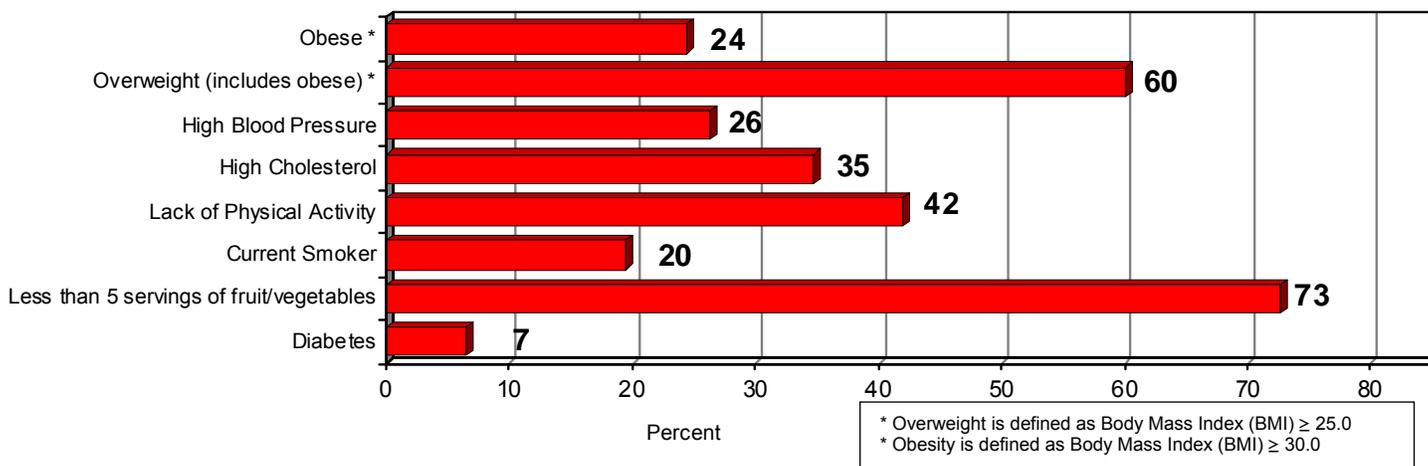
Manitowoc County



	Manitowoc County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	41,757	41,698	83,455	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	153.1	81.3	112.0	159.7	81.9	115.4
♦ Congestive Heart Failure	24.5	22.2	23.4	25.0	20.1	22.0
♦ Stroke	42.9	38.8	40.5	46.0	43.0	44.6
♦ Total Cost	\$119,473,943			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Manitowoc County is increasing. In 2007 for Manitowoc County, the total cost of CVD was estimated at \$119,473,943. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

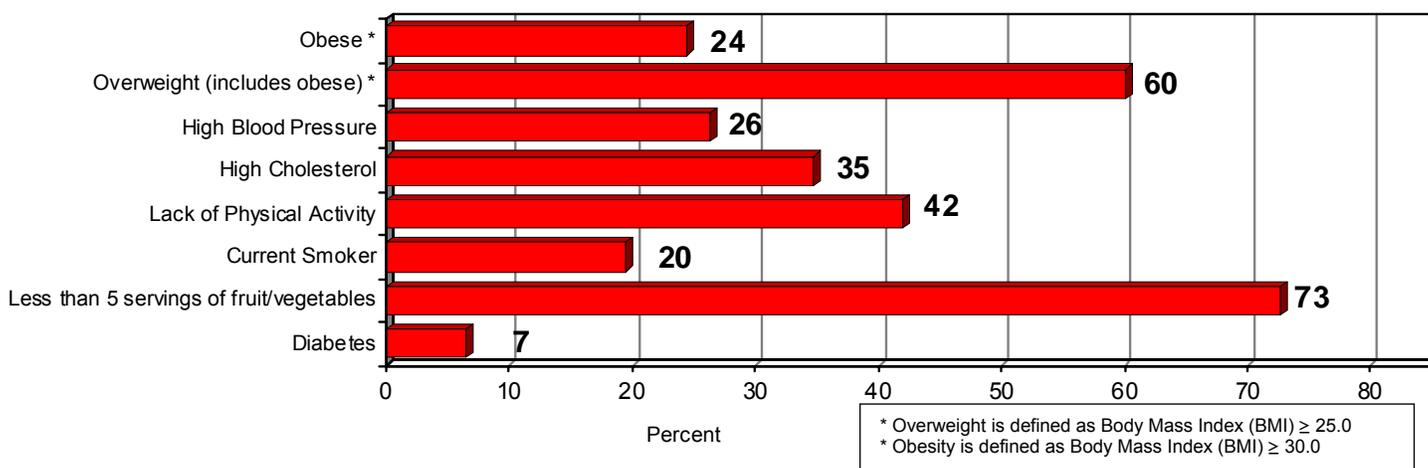
Marathon County



	Marathon County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	66,820	66,239	133,059	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	131.8	62.9	92.5	159.7	81.9	115.4
♦ Congestive Heart Failure	12.6	18.4	16.6	25.0	20.1	22.0
♦ Stroke	36.2	34.3	34.9	46.0	43.0	44.6
♦ Total Cost	\$190,486,890			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Marathon County is increasing. In 2007 for Marathon County, the total cost of CVD was estimated at \$190,486,890. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

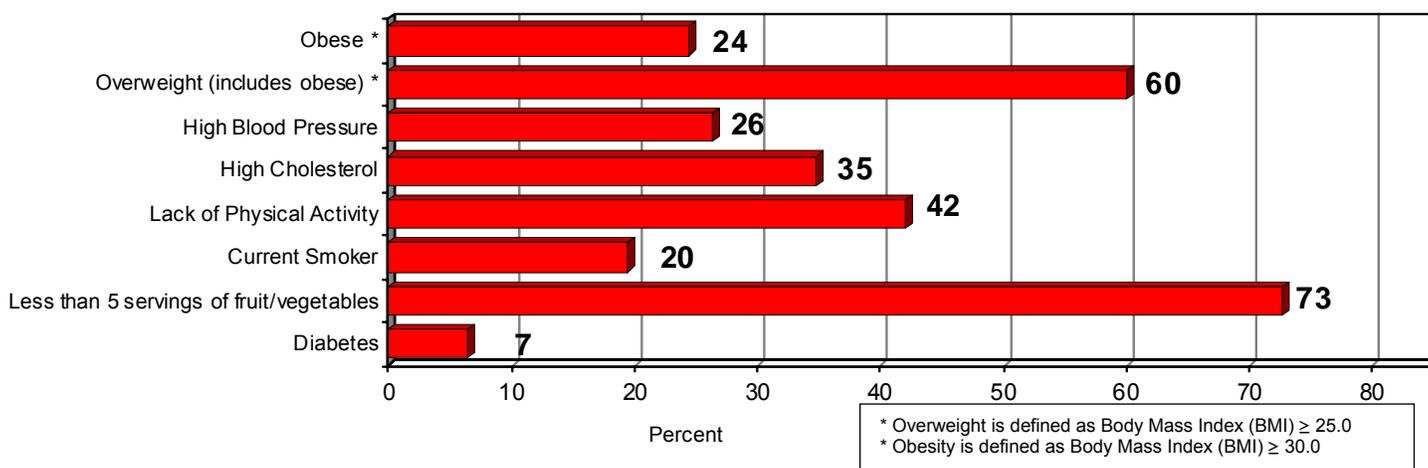
Marinette County



	Marinette County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	21,915	22,102	44,017	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	200.5	107.2	150.8	159.7	81.9	115.4
♦ Congestive Heart Failure	11.8	12.0	12.8	25.0	20.1	22.0
♦ Stroke	55.7	46.3	50.1	46.0	43.0	44.6
♦ Total Cost	\$63,014,613			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Marinette County is increasing. In 2007 for Marinette County, the total cost of CVD was estimated at \$63,014,613. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

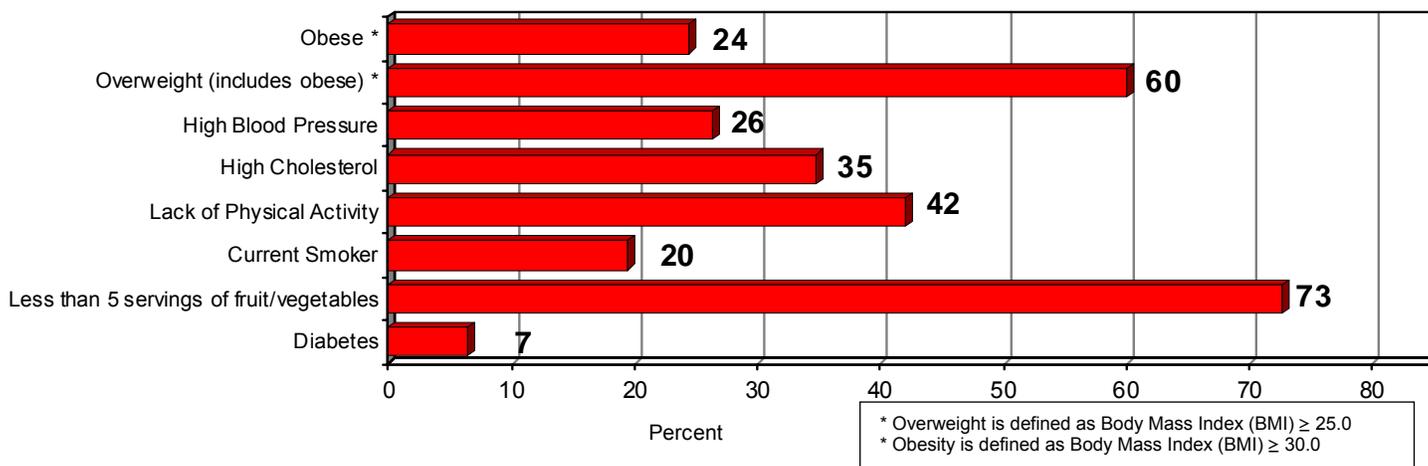
Marquette County



	Marquette County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	7,698	7,546	15,244	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	133.0	80.3	108.2	159.7	81.9	115.4
♦ Congestive Heart Failure	55.8	38.7	45.1	25.0	20.1	22.0
♦ Stroke	58.2	38.9	48.0	46.0	43.0	44.6
♦ Total Cost	\$21,823,268			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Marquette County is increasing. In 2007 for Marquette County, the total cost of CVD was estimated at \$21,823,268. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

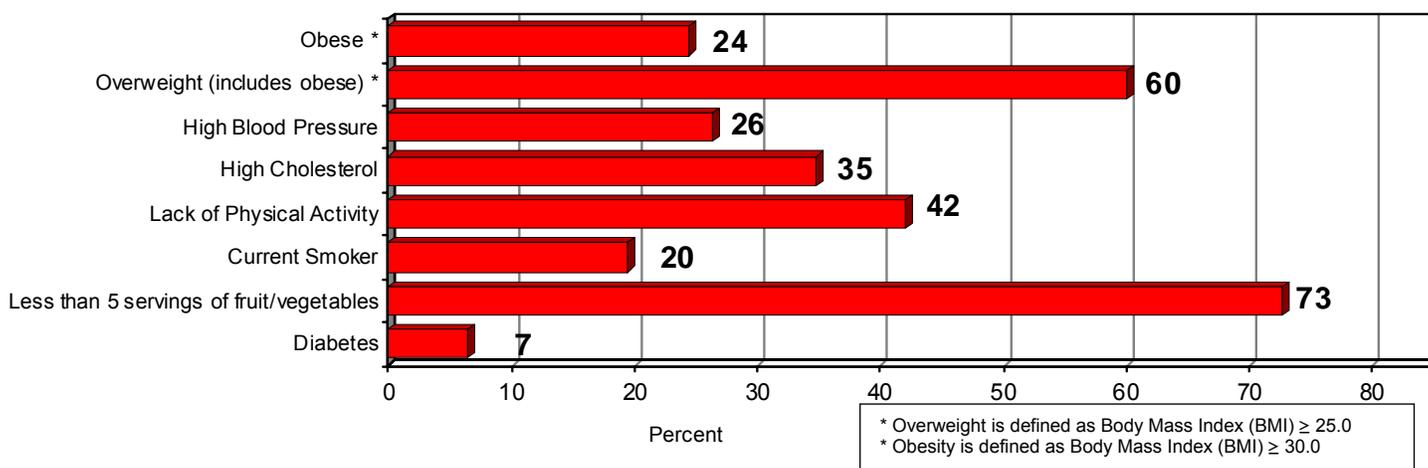
Menominee County



	Menominee County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	2,241	2,375	4,616	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	219.1	109.8	162.3	159.7	81.9	115.4
♦ Congestive Heart Failure	**	**	**	25.0	20.1	22.0
♦ Stroke	**	**	45.8	46.0	43.0	44.6
♦ Total Cost	\$6,608,253			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Menominee County is increasing. In 2007 for Menominee County, the total cost of CVD was estimated at \$6,608,253. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

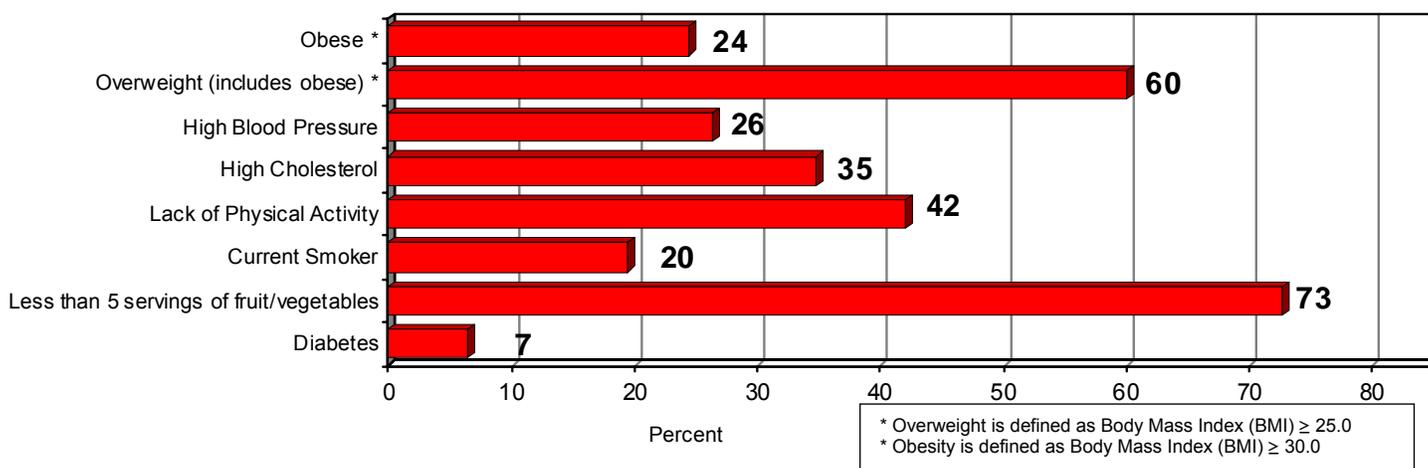
Milwaukee County



	Milwaukee County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	455,260	487,092	942,352	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	177.2	94.2	128.6	159.7	81.9	115.4
♦ Congestive Heart Failure	19.9	15.1	16.9	25.0	20.1	22.0
♦ Stroke	46.5	42.6	44.5	46.0	43.0	44.6
♦ Total Cost	\$1,349,068,473			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Milwaukee County is increasing. In 2007 for Milwaukee County, the total cost of CVD was estimated at \$1,349,068,473. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

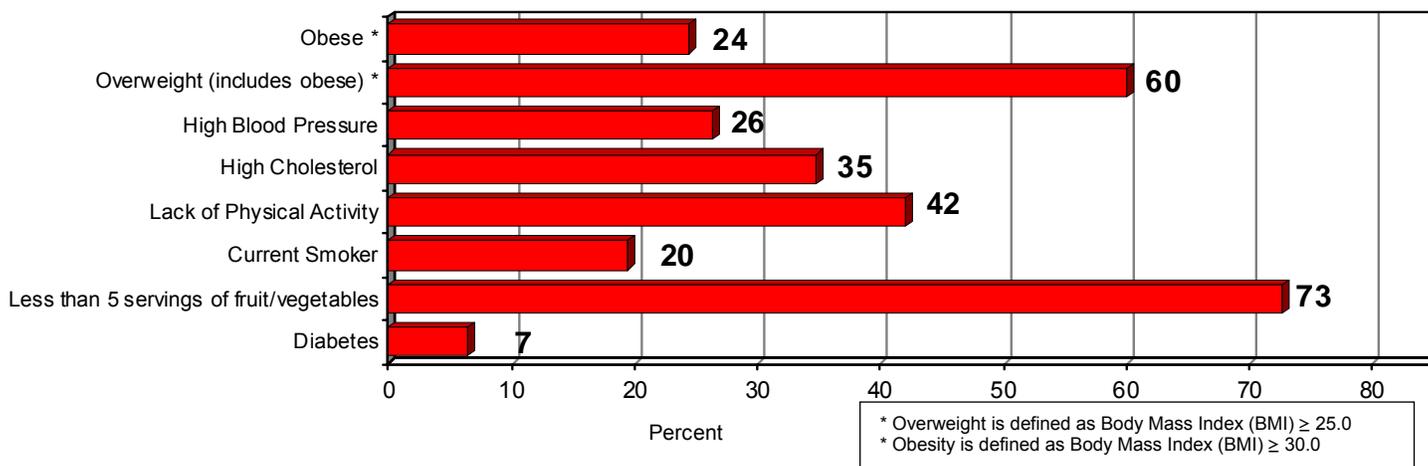
Monroe County



	Monroe County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	22,124	21,580	43,704	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	206.3	97.1	149.7	159.7	81.9	115.4
♦ Congestive Heart Failure	28.2	23.2	25.4	25.0	20.1	22.0
♦ Stroke	44.3	32.4	38.0	46.0	43.0	44.6
♦ Total Cost	\$62,566,523			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Monroe County is increasing. In 2007 for Monroe County, the total cost of CVD was estimated at \$62,566,523. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

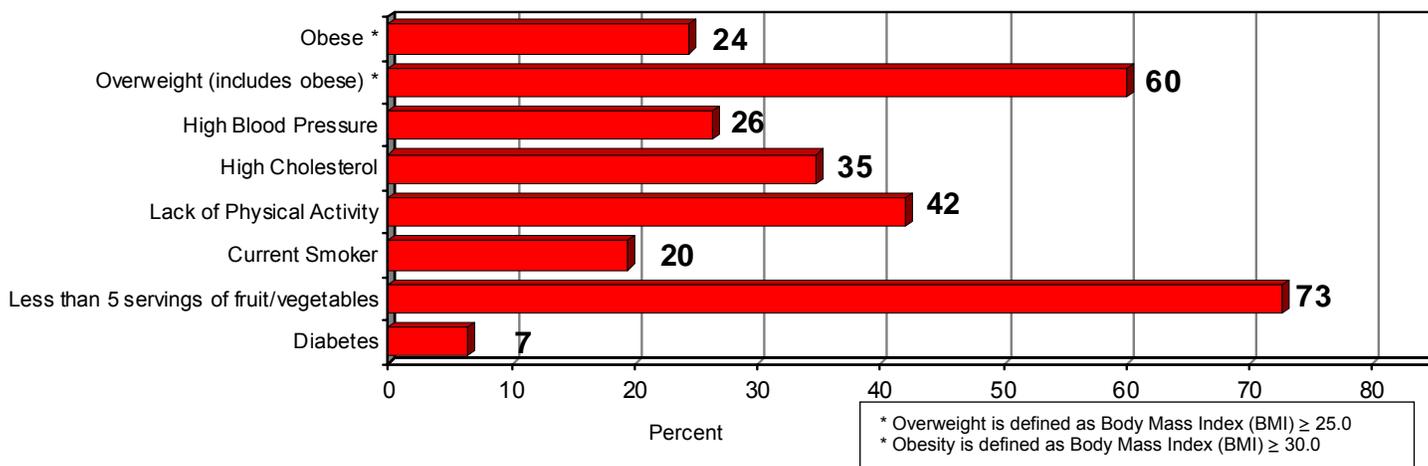
Oconto County



	Oconto County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	19,467	19,093	38,560	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	158.8	66.3	108.2	159.7	81.9	115.4
♦ Congestive Heart Failure	59.5	26.8	39.5	25.0	20.1	22.0
♦ Stroke	50.4	48.8	48.6	46.0	43.0	44.6
♦ Total Cost	\$55,202,388			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Oconto County is increasing. In 2007 for Oconto County, the total cost of CVD was estimated at \$55,202,388. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

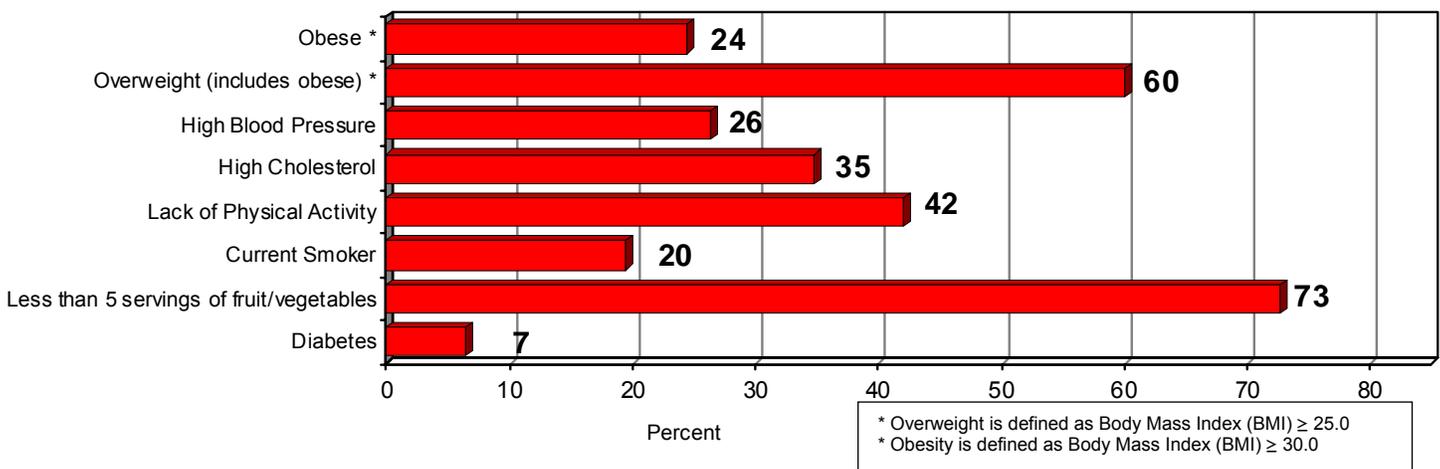
Oneida County



	Oneida County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	19,002	18,915	37,917	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	169.2	84.2	122.8	159.7	81.9	115.4
♦ Congestive Heart Failure	26.7	20.7	22.4	25.0	20.1	22.0
♦ Stroke	51.8	43.0	47.3	46.0	43.0	44.6
♦ Total Cost	\$54,281,871			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Oneida County is increasing. In 2007 for Oneida County, the total cost of CVD was estimated at \$54,281,871. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

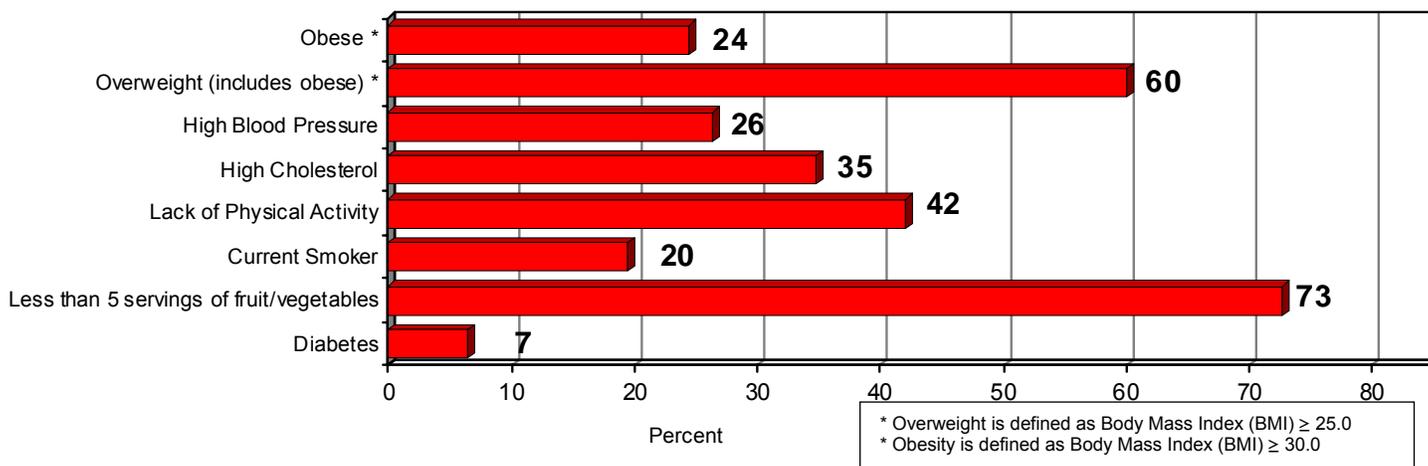
Outagamie County



	Outagamie County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	87,244	86,840	174,084	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	150.6	73.6	106.3	159.7	81.9	115.4
♦ Congestive Heart Failure	30.1	21.7	24.9	25.0	20.1	22.0
♦ Stroke	50.0	43.8	45.9	46.0	43.0	44.6
♦ Total Cost	\$249,218,165			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Outagamie County is increasing. In 2007 for Outagamie County, the total cost of CVD was estimated at \$249,218,165. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

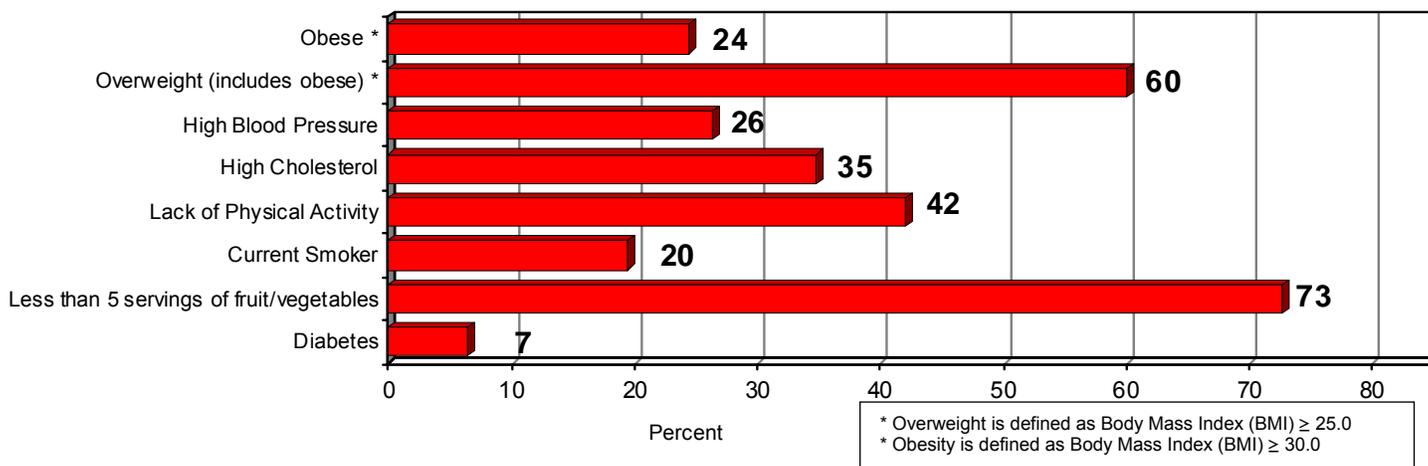
Ozaukee County



	Ozaukee County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	42,645	43,796	86,441	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	145.1	92.3	115.6	159.7	81.9	115.4
♦ Congestive Heart Failure	27.2	21.3	23.7	25.0	20.1	22.0
♦ Stroke	45.2	44.3	45.5	46.0	43.0	44.6
♦ Total Cost	\$123,748,692			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Ozaukee County is increasing. In 2007 for Ozaukee County, the total cost of CVD was estimated at \$123,748,692. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

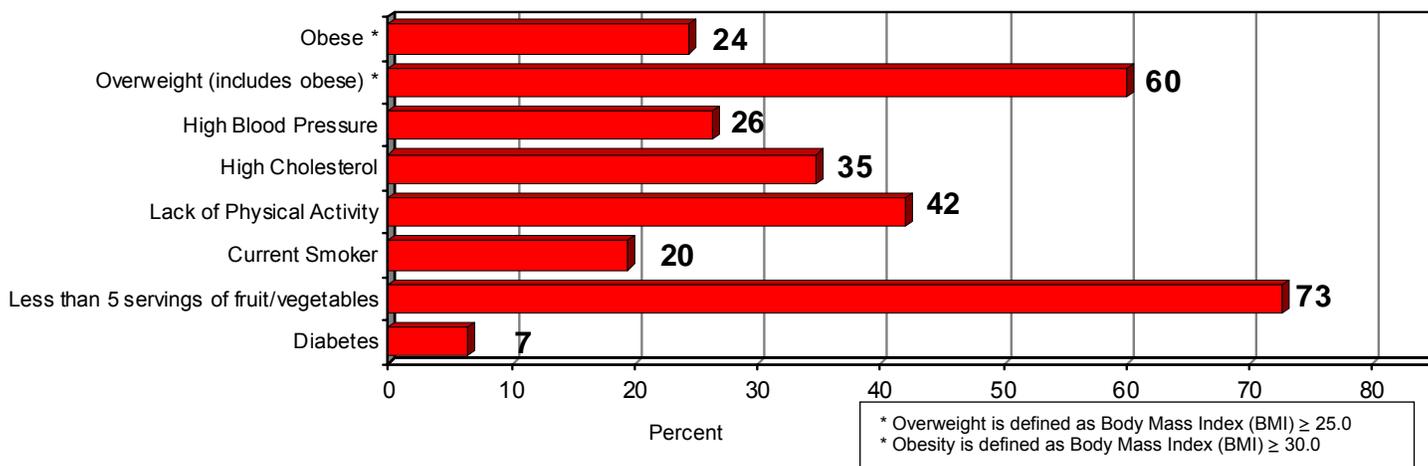
Pepin County



	Pepin County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	3,921	3,692	7,613	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	123.0	111.4	118.9	159.7	81.9	115.4
♦ Congestive Heart Failure	**	**	**	25.0	20.1	22.0
♦ Stroke	58.3	49.1	52.6	46.0	43.0	44.6
♦ Total Cost	\$10,898,749			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Pepin County is increasing. In 2007 for Pepin County, the total cost of CVD was estimated at \$10,898,749. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

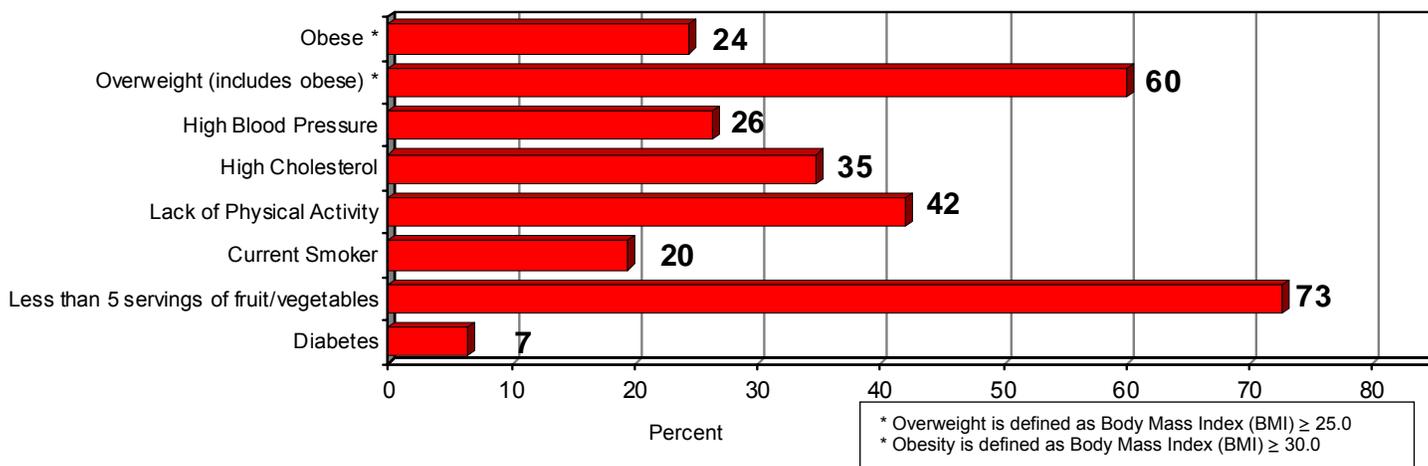
Pierce County



	Pierce County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	19,958	20,154	40,112	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	147.6	40.1	87.2	159.7	81.9	115.4
♦ Congestive Heart Failure	23.1	16.5	18.8	25.0	20.1	22.0
♦ Stroke	51.1	41.0	46.3	46.0	43.0	44.6
♦ Total Cost	\$57,424,226			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Pierce County is increasing. In 2007 for Pierce County, the total cost of CVD was estimated at \$57,424,226. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

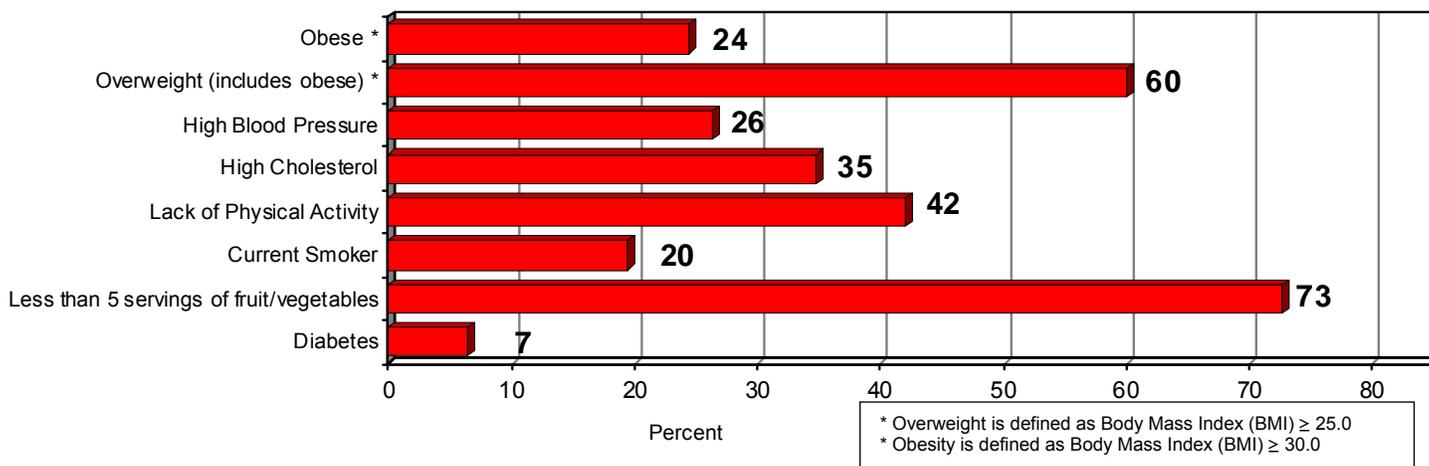
Polk County



	Polk County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	22,708	22,551	45,259	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	147.4	73.6	106.9	159.7	81.9	115.4
♦ Congestive Heart Failure	15.2	15.9	15.6	25.0	20.1	22.0
♦ Stroke	52.8	46.9	49.9	46.0	43.0	44.6
♦ Total Cost	\$64,792,657			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Polk County is increasing. In 2007 for Polk County, the total cost of CVD was estimated at \$64,792,657. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

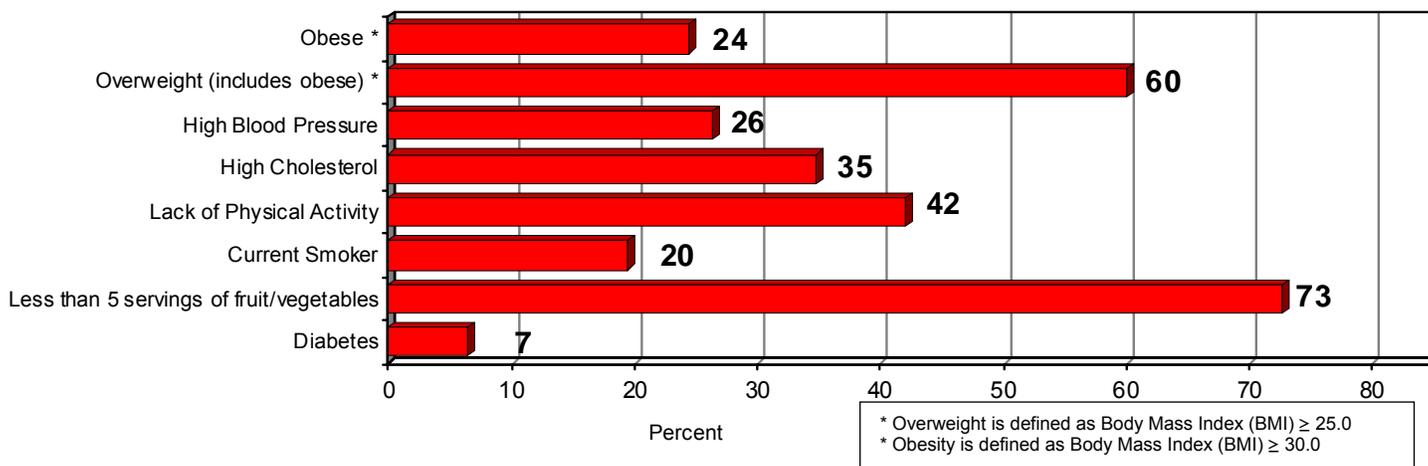
Portage County



	Portage County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	34,972	34,609	69,581	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	166.1	65.6	107.3	159.7	81.9	115.4
♦ Congestive Heart Failure	27.5	22.9	24.6	25.0	20.1	22.0
♦ Stroke	36.4	50.5	46.0	46.0	43.0	44.6
♦ Total Cost	\$99,611,964			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Portage County is increasing. In 2007 for Portage County, the total cost of CVD was estimated at \$99,611,964. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

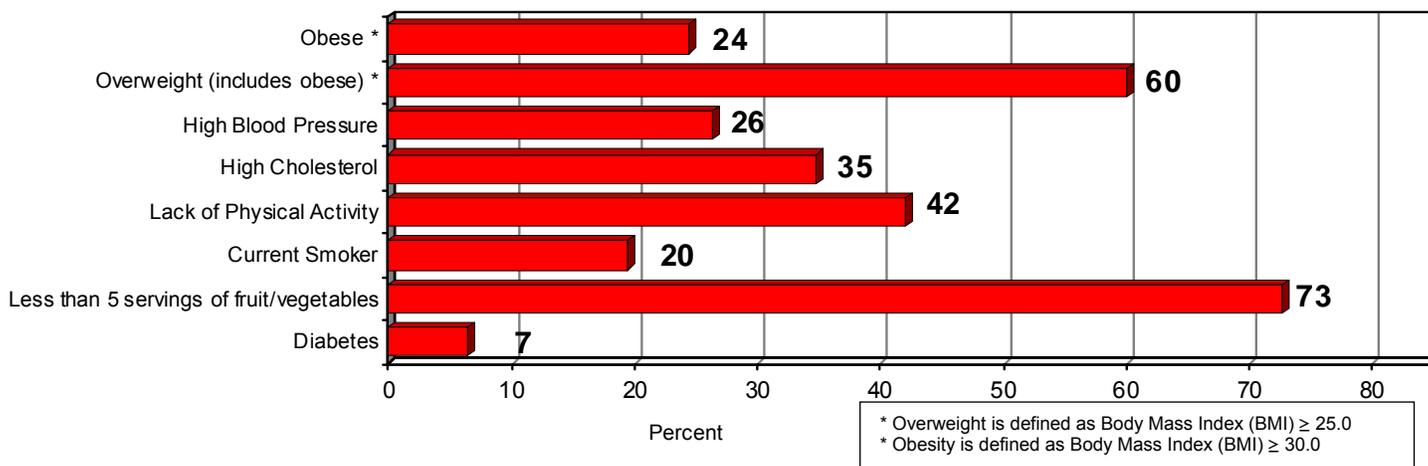
Price County



	Price County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	7,866	7,674	15,540	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	160.7	83.5	119.4	159.7	81.9	115.4
♦ Congestive Heart Failure	44.2	25.1	33.2	25.0	20.1	22.0
♦ Stroke	56.4	45.4	51.2	46.0	43.0	44.6
♦ Total Cost	\$22,247,020			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Price County is increasing. In 2007 for Price County, the total cost of CVD was estimated at \$22,247,020. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

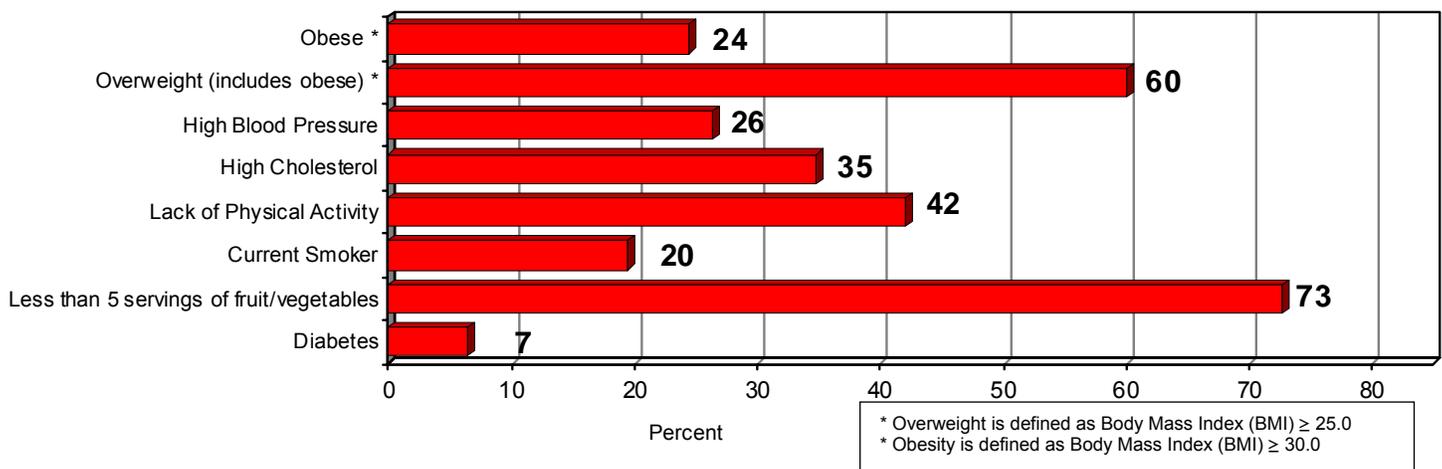
Racine County



	Racine County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	96,820	98,691	195,511	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	172.6	78.5	116.4	159.7	81.9	115.4
♦ Congestive Heart Failure	18.5	14.0	15.7	25.0	20.1	22.0
♦ Stroke	37.1	33.1	35.2	46.0	43.0	44.6
♦ Total Cost	\$279,892,998			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Racine County is increasing. In 2007 for Racine County, the total cost of CVD was estimated at \$279,892,998. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

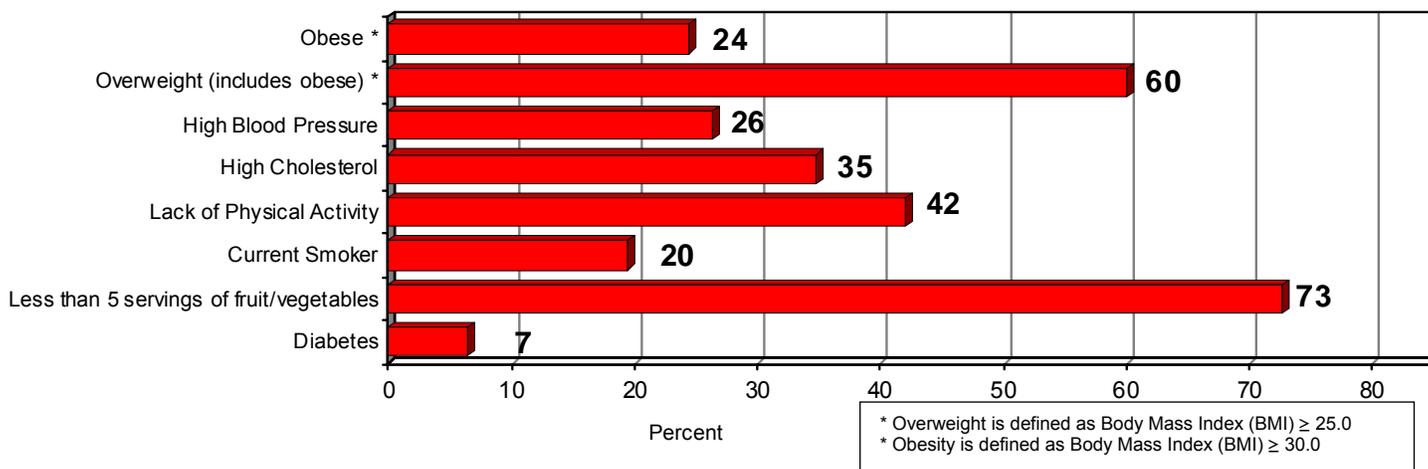
Richland County



	Richland County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	9,040	9,182	18,222	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	150.7	73.8	103.7	159.7	81.9	115.4
♦ Congestive Heart Failure	35.1	20.2	26.5	25.0	20.1	22.0
♦ Stroke	49.9	53.2	51.1	46.0	43.0	44.6
♦ Total Cost	\$26,086,564			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Richland County is increasing. In 2007 for Richland County, the total cost of CVD was estimated at \$26,086,564. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

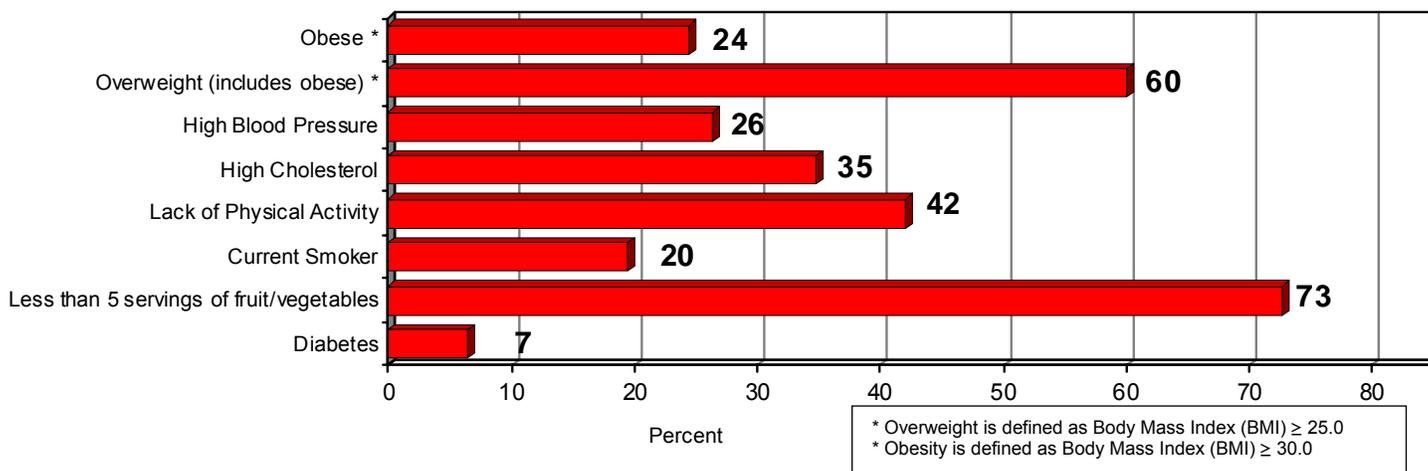
Rock County



	Rock County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	79,099	80,776	159,875	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	145.1	84.7	109.7	159.7	81.9	115.4
♦ Congestive Heart Failure	25.8	18.6	21.0	25.0	20.1	22.0
♦ Stroke	44.2	44.4	44.7	46.0	43.0	44.6
♦ Total Cost	\$228,876,600			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Rock County is increasing. In 2007 for Rock County, the total cost of CVD was estimated at \$228,876,600. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

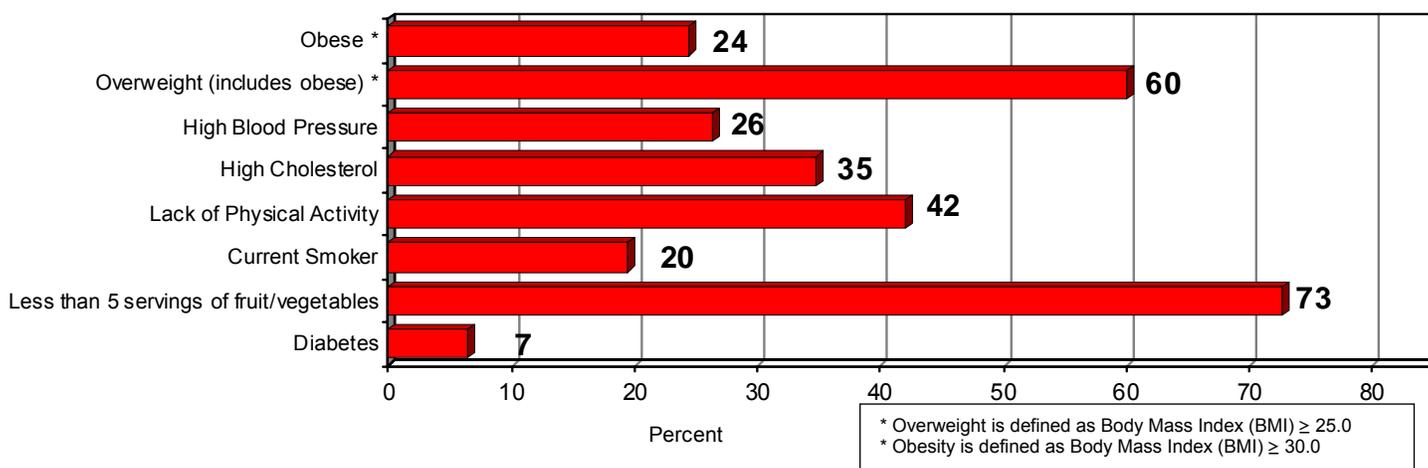
Rusk County



	Rusk County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	7,637	7,673	15,310	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	156.0	67.7	109.9	159.7	81.9	115.4
♦ Congestive Heart Failure	50.3	32.4	39.2	25.0	20.1	22.0
♦ Stroke	43.8	29.2	35.7	46.0	43.0	44.6
♦ Total Cost	\$21,917,753			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Rusk County is increasing. In 2007 for Rusk County, the total cost of CVD was estimated at \$21,917,753. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

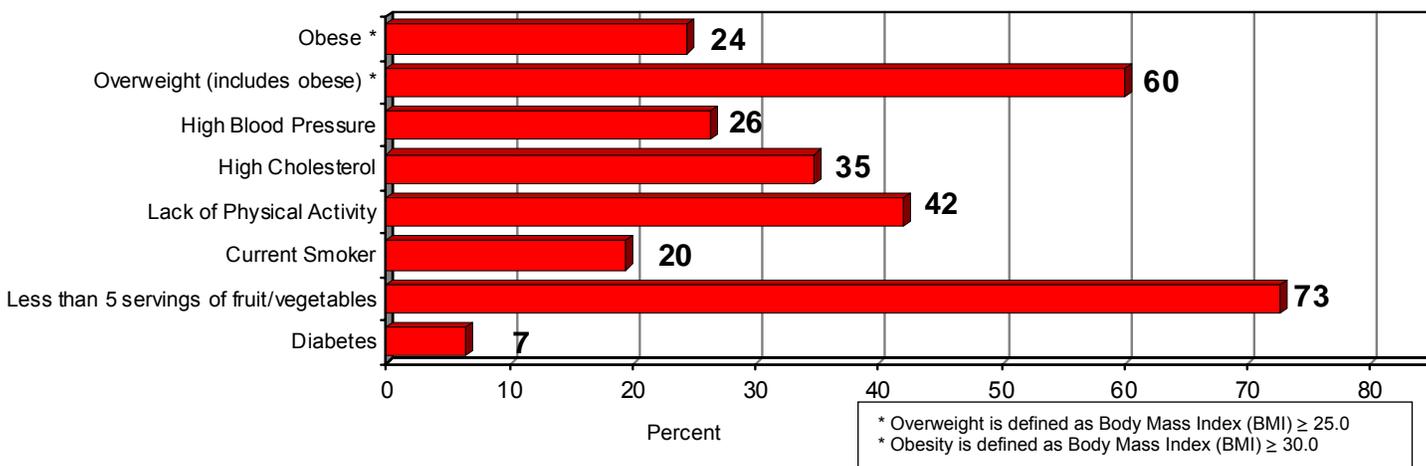
St. Croix County



	St. Croix County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	40,160	39,794	79,954	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	129.6	55.2	86.9	159.7	81.9	115.4
♦ Congestive Heart Failure	23.9	27.7	26.6	25.0	20.1	22.0
♦ Stroke	38.7	50.8	47.2	46.0	43.0	44.6
♦ Total Cost	\$114,461,922			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in St. Croix County is increasing. In 2007 for St. Croix County, the total cost of CVD was estimated at \$114,461,922. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

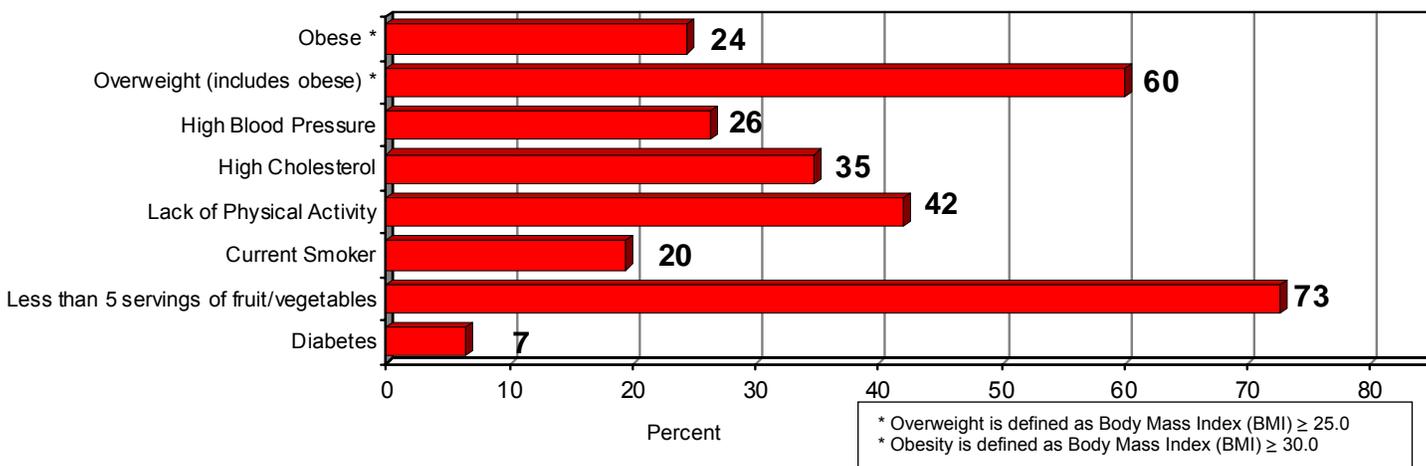
Sauk County



	Sauk County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	29,789	30,291	60,080	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	155.7	73.9	109.2	159.7	81.9	115.4
♦ Congestive Heart Failure	38.7	29.6	33.6	25.0	20.1	22.0
♦ Stroke	44.4	44.4	45.1	46.0	43.0	44.6
♦ Total Cost	\$86,010,359			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Sauk County is increasing. In 2007 for Sauk County, the total cost of CVD was estimated at \$86,010,359. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

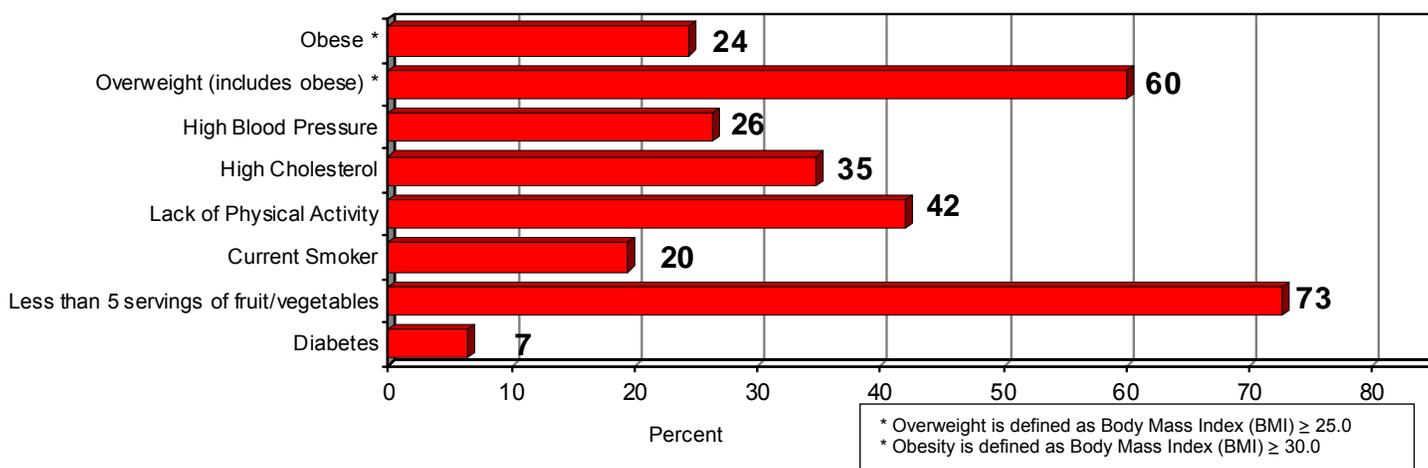
Sawyer County



	Sawyer County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	8,830	8,633	17,463	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	212.9	86.3	145.8	159.7	81.9	115.4
♦ Congestive Heart Failure	21.6	10.2	15.4	25.0	20.1	22.0
♦ Stroke	37.7	39.8	38.4	46.0	43.0	44.6
♦ Total Cost	\$24,999,982			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Sawyer County is increasing. In 2007 for Sawyer County, the total cost of CVD was estimated at \$24,999,982. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

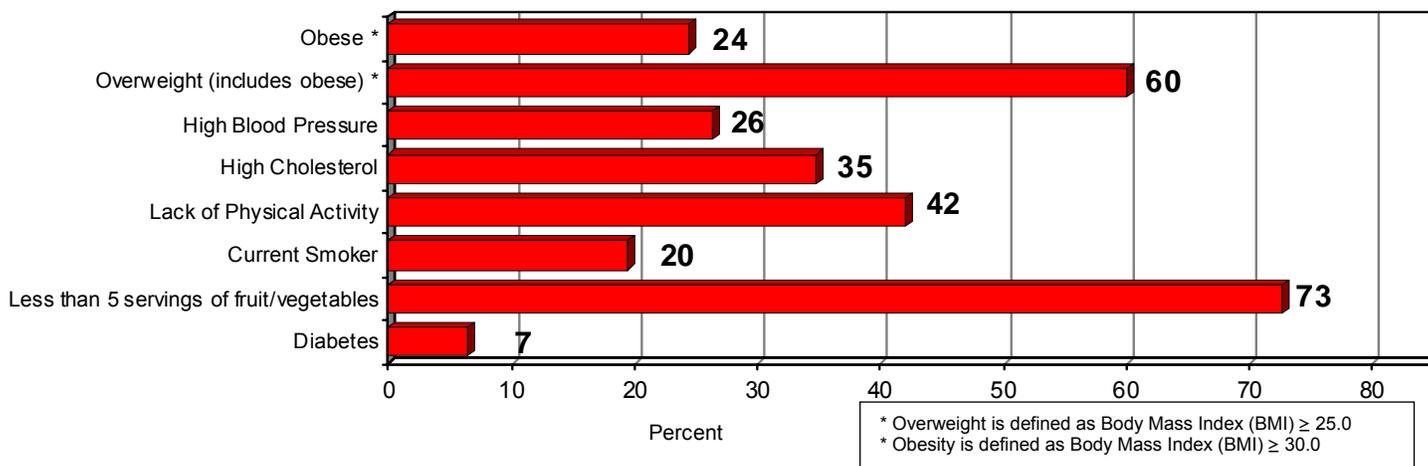
Shawano County



	Shawano County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	21,083	20,947	42,030	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	181.9	91.6	132.4	159.7	81.9	115.4
♦ Congestive Heart Failure	9.4	11.2	10.3	25.0	20.1	22.0
♦ Stroke	43.1	37.4	40.6	46.0	43.0	44.6
♦ Total Cost	\$60,170,030			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Shawano County is increasing. In 2007 for Shawano County, the total cost of CVD was estimated at \$60,170,030. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

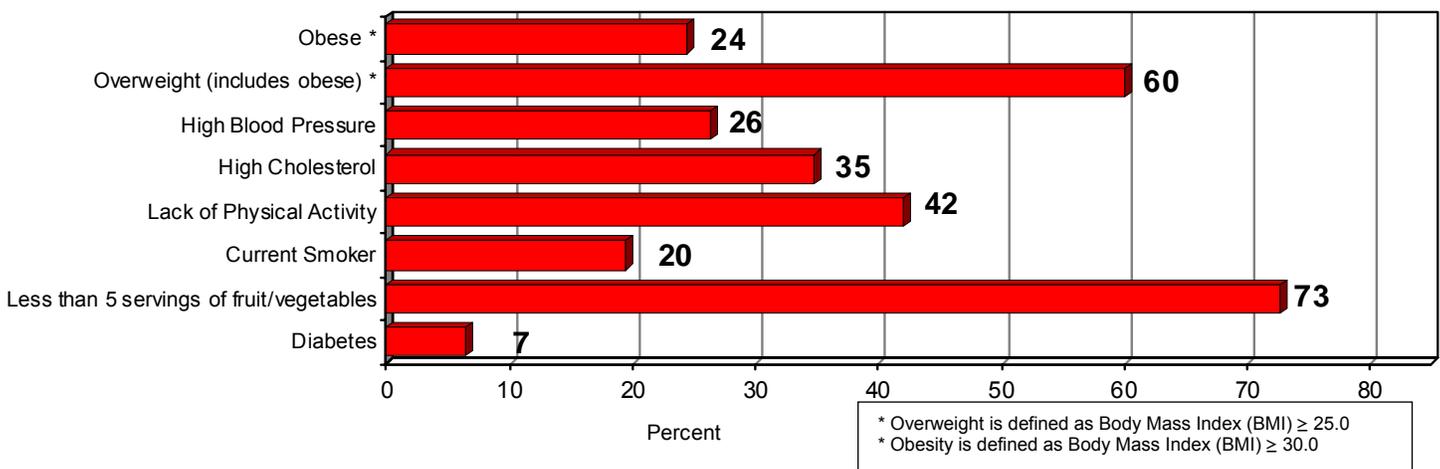
Sheboygan County



	Sheboygan County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	58,684	57,657	116,341	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	167.4	74.5	113.8	159.7	81.9	115.4
♦ Congestive Heart Failure	53.5	40.1	45.0	25.0	20.1	22.0
♦ Stroke	51.9	51.0	51.4	46.0	43.0	44.6
♦ Total Cost	\$166,553,448			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Sheboygan County is increasing. In 2007 for Sheboygan County, the total cost of CVD was estimated at \$166,553,448. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

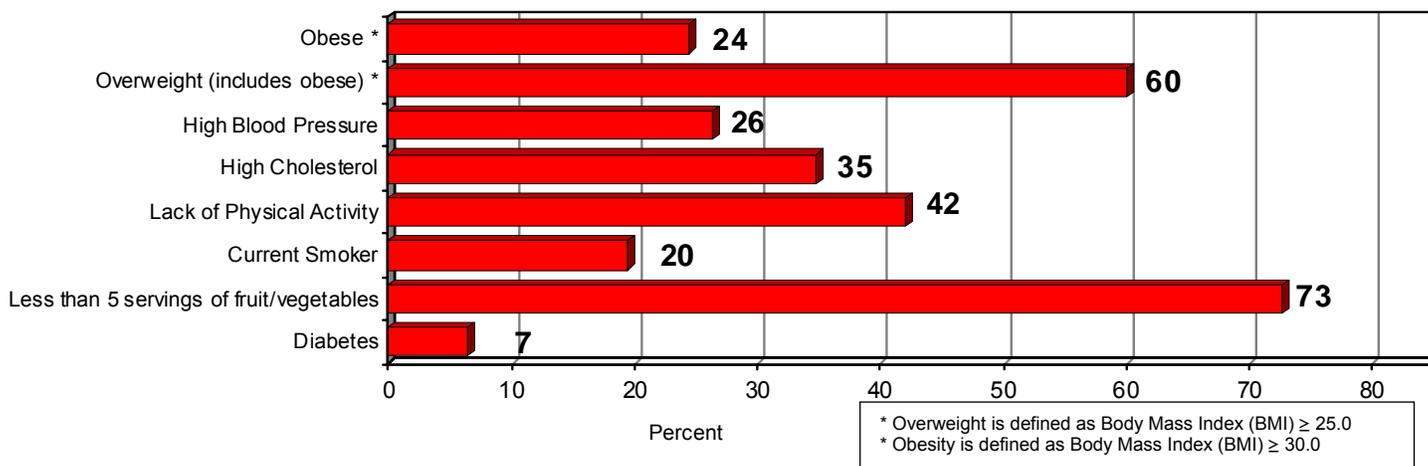
Taylor County



	Taylor County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	10,022	9,787	19,809	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	152.7	55.4	99.9	159.7	81.9	115.4
♦ Congestive Heart Failure	21.2	22.3	22.5	25.0	20.1	22.0
♦ Stroke	42.2	37.3	40.7	46.0	43.0	44.6
♦ Total Cost	\$28,358,509			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Taylor County is increasing. In 2007 for Taylor County, the total cost of CVD was estimated at \$28,358,509. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

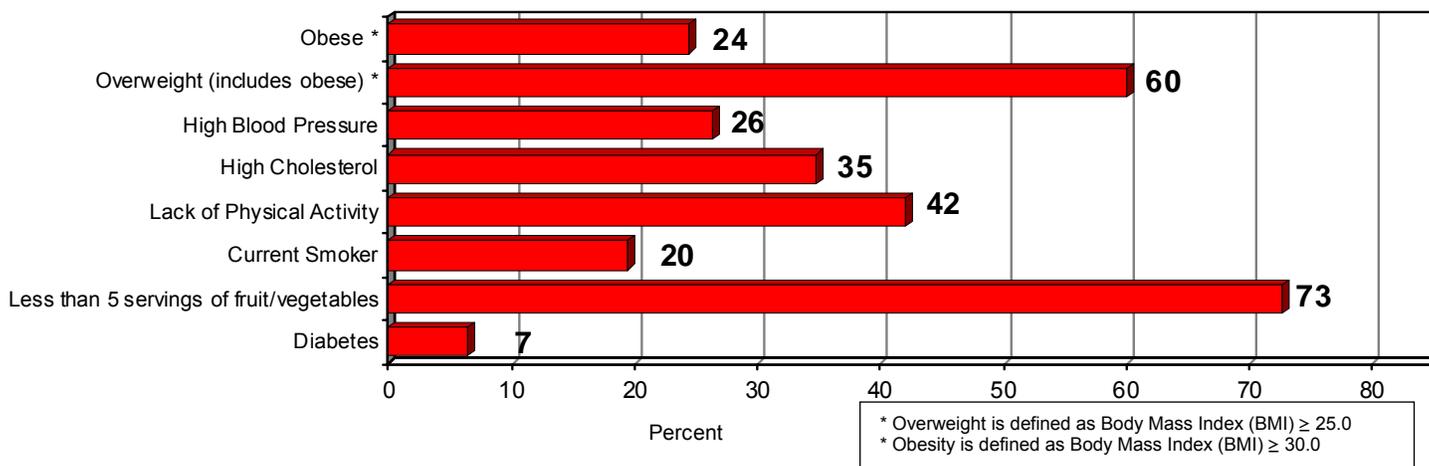
Trempealeau County



	Trempealeau County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	14,134	13,937	28,071	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	168.7	77.1	116.9	159.7	81.9	115.4
♦ Congestive Heart Failure	39.2	16.3	25.3	25.0	20.1	22.0
♦ Stroke	29.0	47.9	41.2	46.0	43.0	44.6
♦ Total Cost	\$40,186,365			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Trempealeau County is increasing. In 2007 for Trempealeau County, the total cost of CVD was estimated at \$40,186,365. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

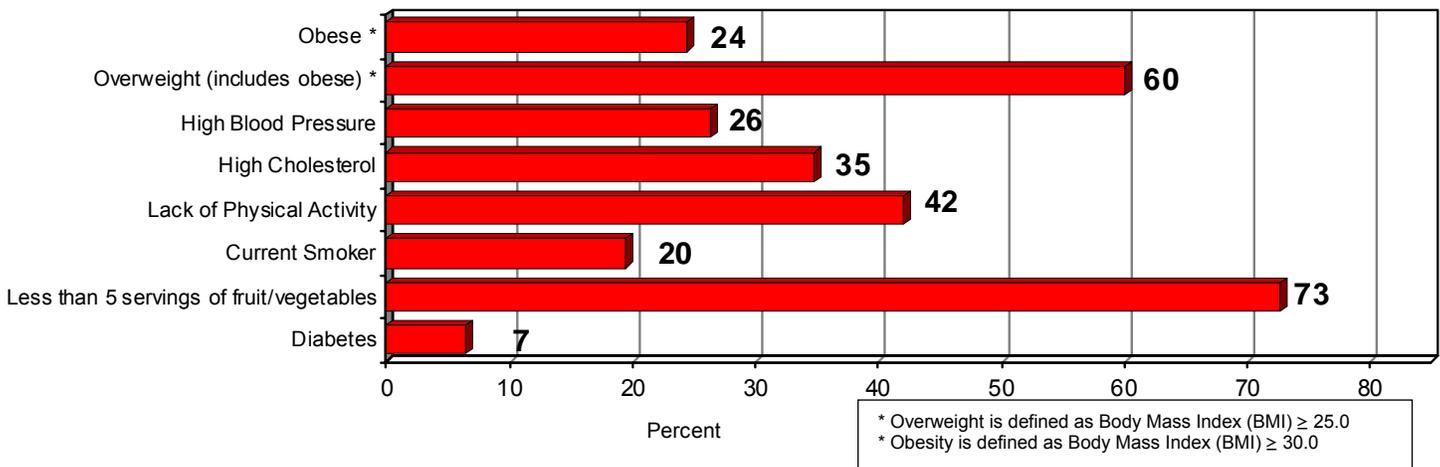
Vernon County



	Vernon County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	14,558	14,862	29,420	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	158.7	71.3	109.0	159.7	81.9	115.4
♦ Congestive Heart Failure	44.1	31.2	36.9	25.0	20.1	22.0
♦ Stroke	62.6	60.6	62.9	46.0	43.0	44.6
♦ Total Cost	\$42,117,589			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Vernon County is increasing. In 2007 for Vernon County, the total cost of CVD was estimated at \$42,117,589. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

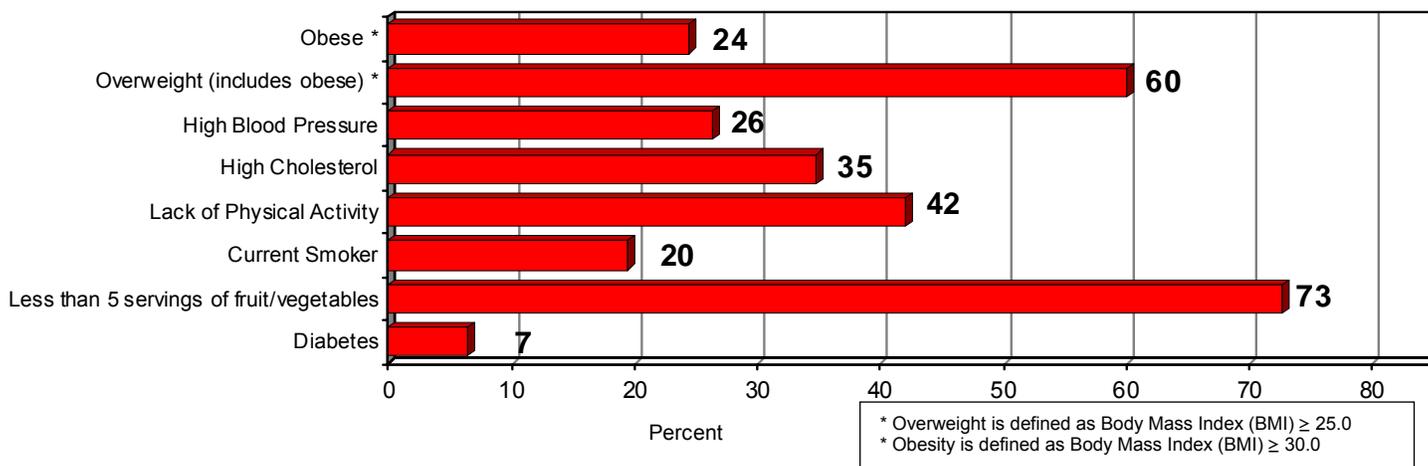
Vilas County



	Vilas County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	11,229	11,325	22,554	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	164.3	90.6	125.3	159.7	81.9	115.4
♦ Congestive Heart Failure	22.7	20.5	20.8	25.0	20.1	22.0
♦ Stroke	49.9	49.8	51.6	46.0	43.0	44.6
♦ Total Cost	\$32,288,243			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Vilas County is increasing. In 2007 for Vilas County, the total cost of CVD was estimated at \$32,288,243. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

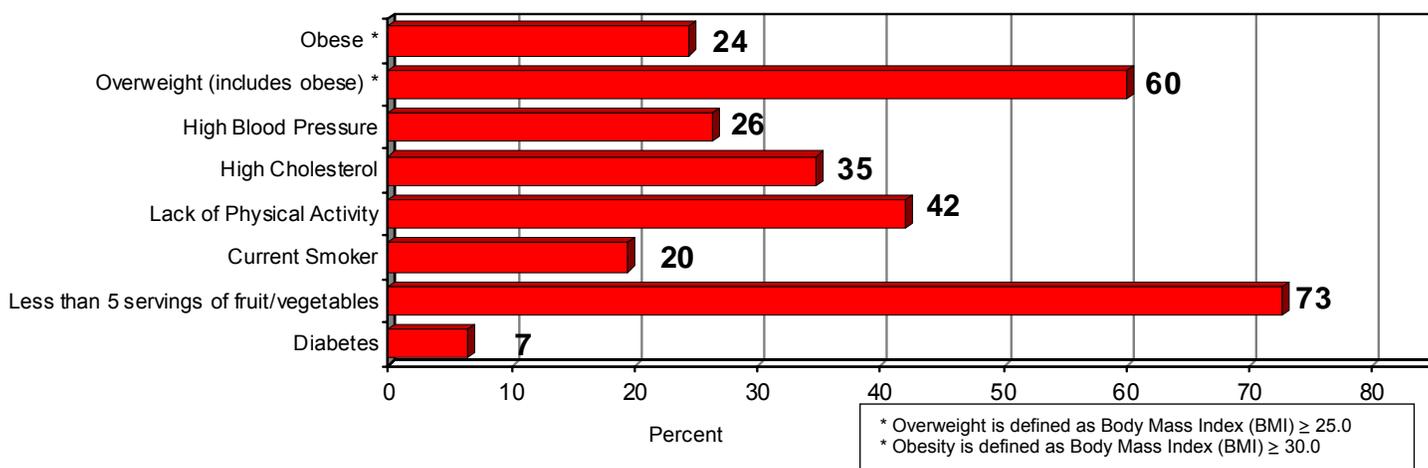
Walworth County



	Walworth County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	50,634	50,296	100,930	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	149.0	98.2	120.4	159.7	81.9	115.4
♦ Congestive Heart Failure	20.3	16.1	18.0	25.0	20.1	22.0
♦ Stroke	45.9	42.3	44.0	46.0	43.0	44.6
♦ Total Cost	\$144,491,104			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Walworth County is increasing. In 2007 for Walworth County, the total cost of CVD was estimated at \$144,491,104. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

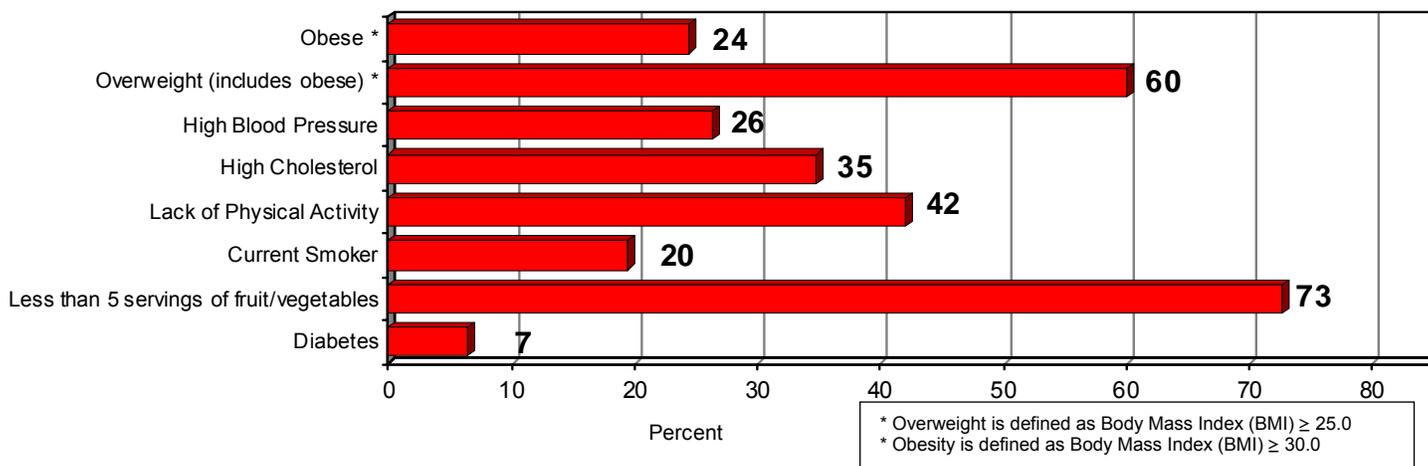
Washburn County



	Washburn County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	8,739	8,504	17,243	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	177.3	78.4	125.9	159.7	81.9	115.4
♦ Congestive Heart Failure	13.6	18.9	16.3	25.0	20.1	22.0
♦ Stroke	48.2	43.8	46.5	46.0	43.0	44.6
♦ Total Cost	\$24,685,030			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Washburn County is increasing. In 2007 for Washburn County, the total cost of CVD was estimated at \$24,685,030. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

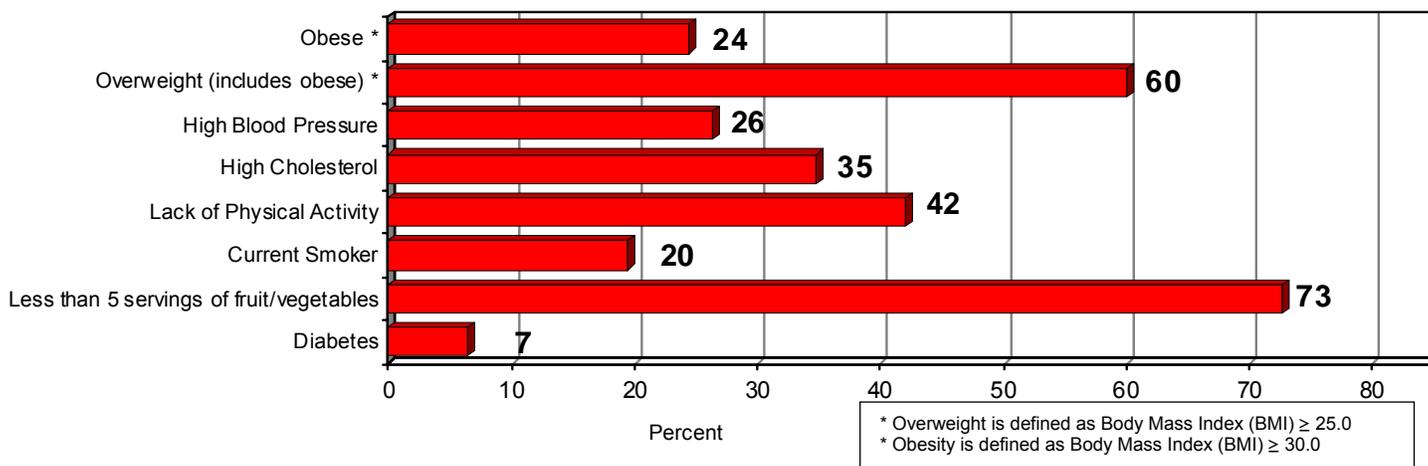
Washington County



	Washington County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	64,677	64,669	129,346	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	130.6	71.0	96.2	159.7	81.9	115.4
♦ Congestive Heart Failure	21.7	13.3	15.7	25.0	20.1	22.0
♦ Stroke	51.4	47.1	49.3	46.0	43.0	44.6
♦ Total Cost	\$185,171,370			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Washington County is increasing. In 2007 for Washington County, the total cost of CVD was estimated at \$185,171,370. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

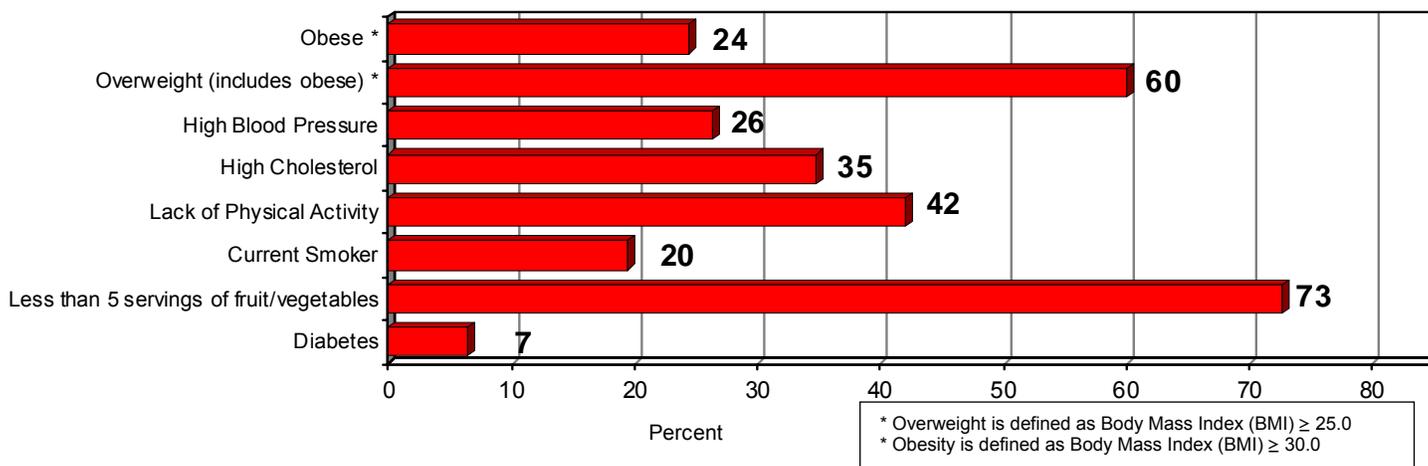
Waukesha County



	Waukesha County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	188,236	192,997	381,233	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	138.1	76.3	102.7	159.7	81.9	115.4
♦ Congestive Heart Failure	17.0	14.9	15.7	25.0	20.1	22.0
♦ Stroke	38.5	41.1	40.1	46.0	43.0	44.6
♦ Total Cost	\$545,772,091			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Waukesha County is increasing. In 2007 for Waukesha County, the total cost of CVD was estimated at \$545,772,091. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

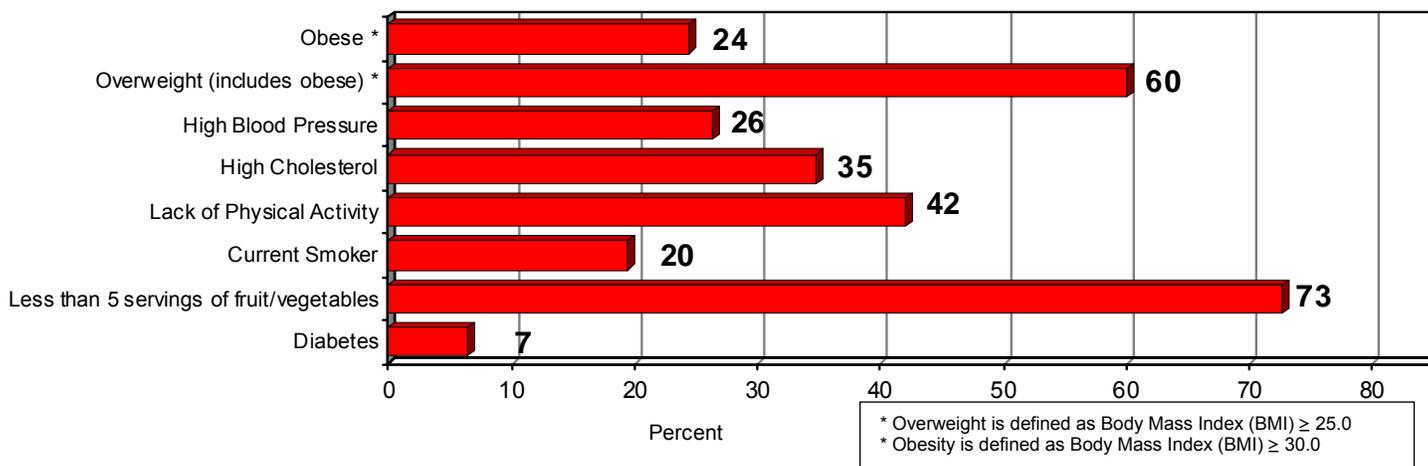
Waupaca County



	Waupaca County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	26,835	26,487	53,322	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	241.8	100.4	164.7	159.7	81.9	115.4
♦ Congestive Heart Failure	30.9	20.6	24.8	25.0	20.1	22.0
♦ Stroke	74.5	49.0	58.5	46.0	43.0	44.6
♦ Total Cost	\$76,335,625			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Waupaca County is increasing. In 2007 for Waupaca County, the total cost of CVD was estimated at \$76,335,625. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

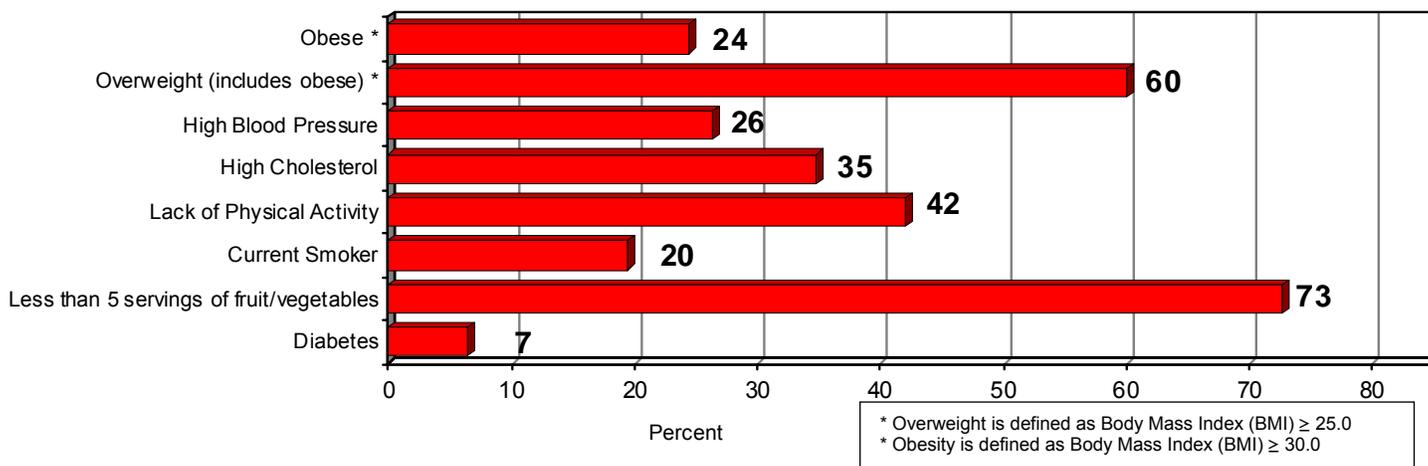
Waushara County



	Waushara County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	13,201	11,898	25,099	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	245.5	125.4	178.5	159.7	81.9	115.4
♦ Congestive Heart Failure	48.1	38.1	40.4	25.0	20.1	22.0
♦ Stroke	38.6	40.9	40.7	46.0	43.0	44.6
♦ Total Cost	\$35,931,658			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Waushara County is increasing. In 2007 for Waushara County, the total cost of CVD was estimated at \$35,931,658. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

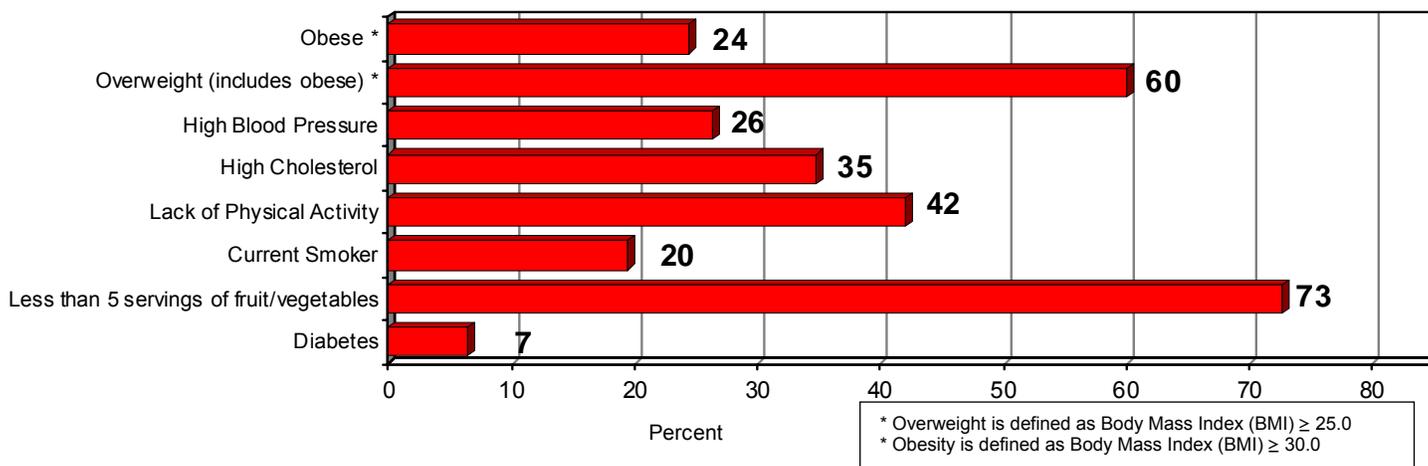
Winnebago County



	Winnebago County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	82,355	81,717	164,072	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	130.8	65.1	94.0	159.7	81.9	115.4
♦ Congestive Heart Failure	20.2	17.7	18.8	25.0	20.1	22.0
♦ Stroke	34.9	33.9	35.4	46.0	43.0	44.6
♦ Total Cost	\$234,885,014			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Winnebago County is increasing. In 2007 for Winnebago County, the total cost of CVD was estimated at \$234,885,014. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

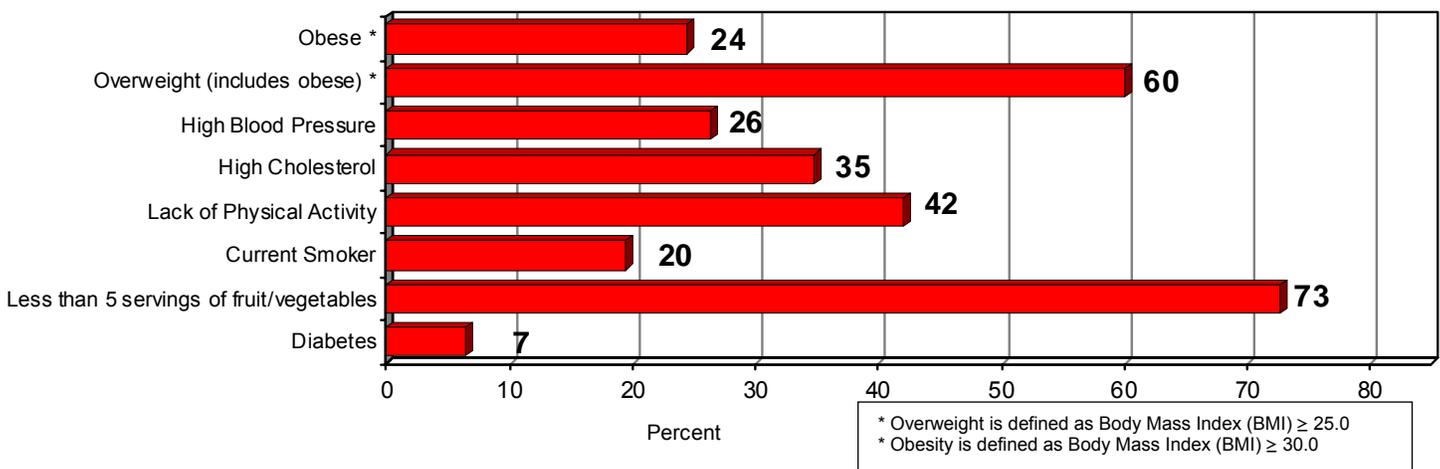
Wood County



	Wood County			State of Wisconsin		
	Male	Female	All	Male	Female	All
Population 2007	37,389	38,554	75,943	2,804,008	2,837,573	5,641,581
<i>Death Rate* 2004-2007 (per 100,000) and estimated total costs in 2007</i>						
♦ Coronary Heart Disease	161.4	66.1	107.1	159.7	81.9	115.4
♦ Congestive Heart Failure	25.3	20.8	22.6	25.0	20.1	22.0
♦ Stroke	40.8	37.9	39.3	46.0	43.0	44.6
♦ Total Cost	\$108,719,785			\$8,076,471,492		

*Death rate is age-adjusted by 2000 US standard population

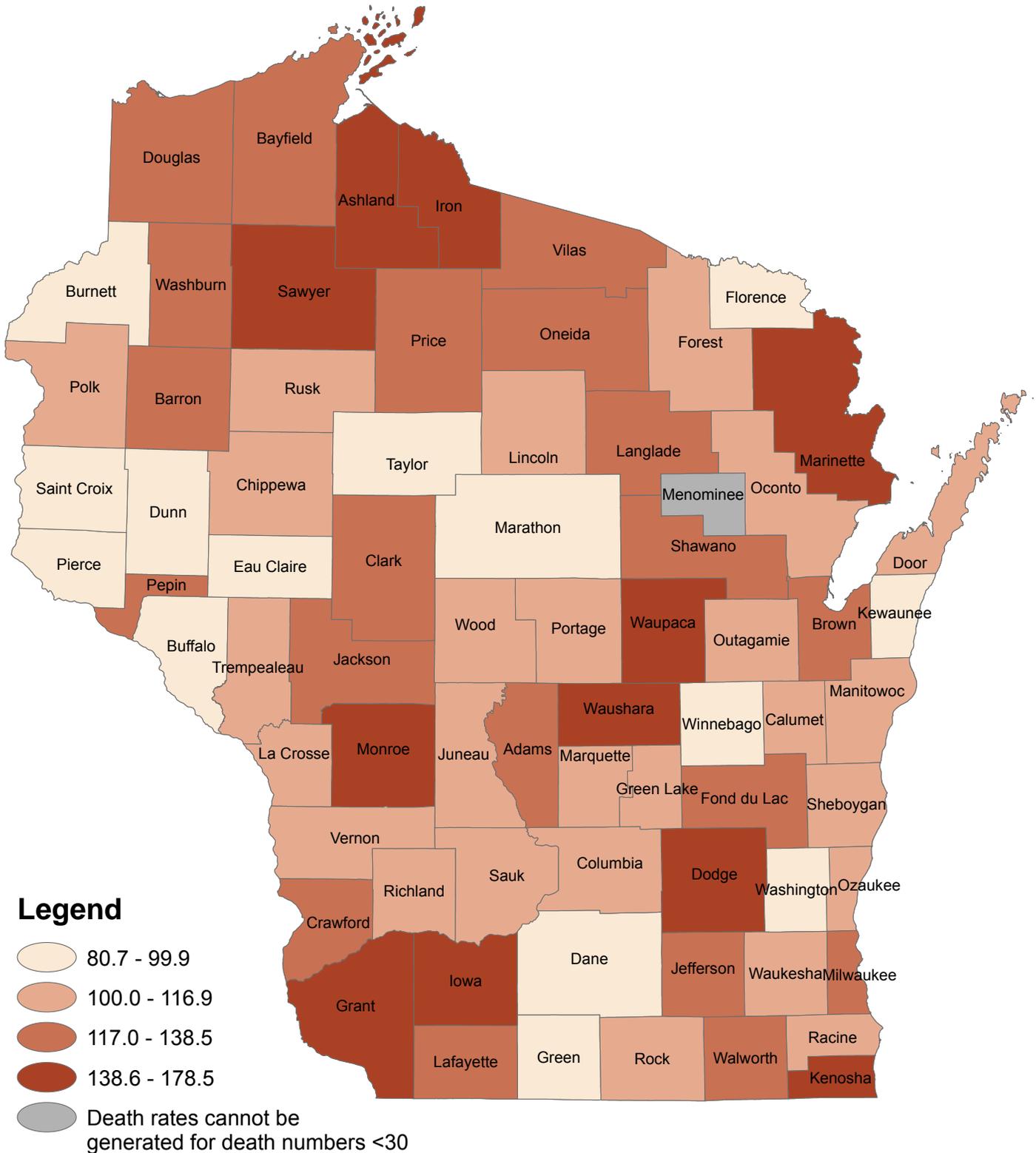
Percent of Wisconsin Adults with Risk Factors Related to CVD



OTHER INFORMATION

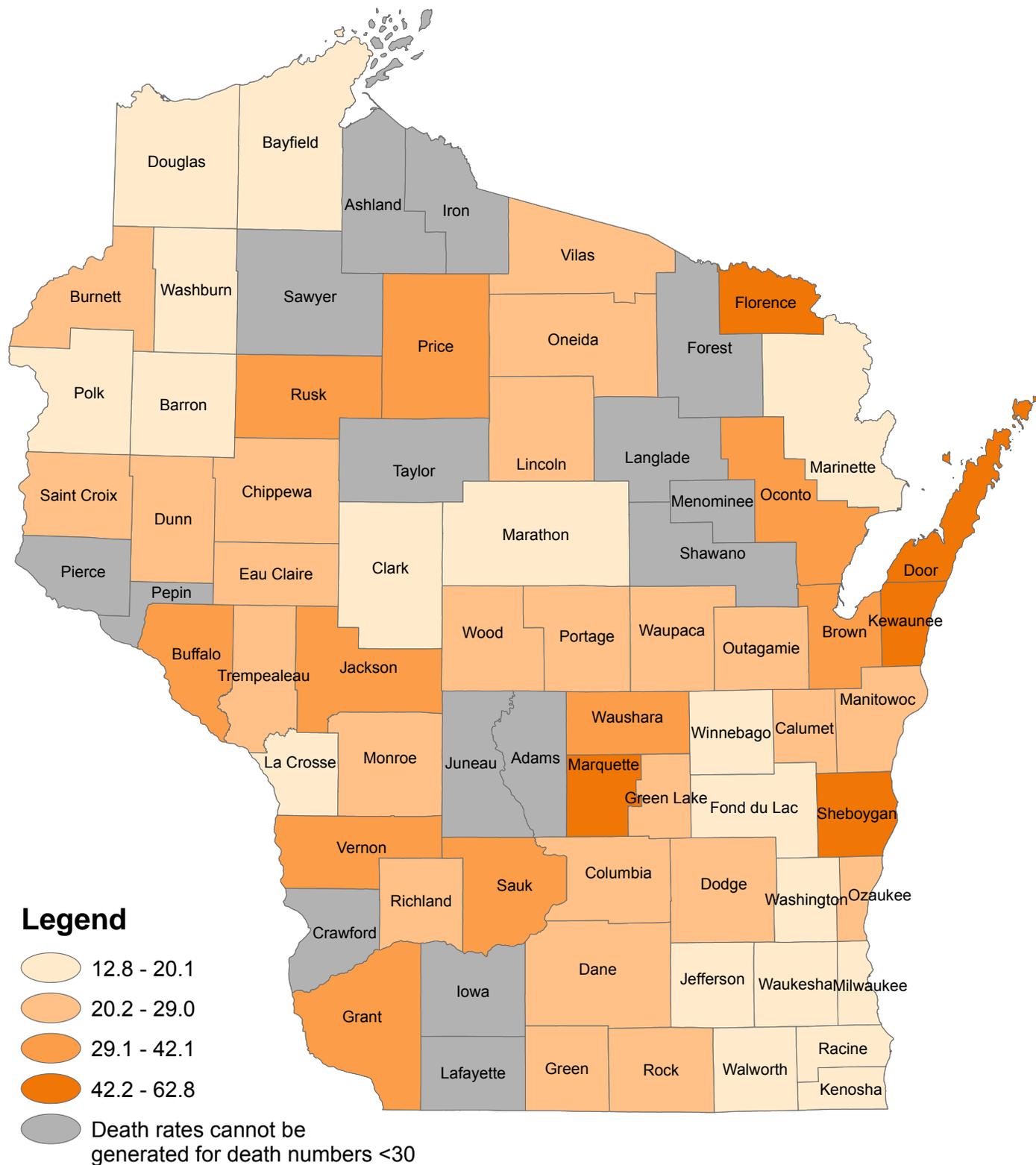
- ♦ Cardiovascular Disease (CVD) is the leading cause of death among men and women of all racial and ethnic groups in Wisconsin. In 2007, CVD causes more deaths than cancer, AIDS, automobile crashes, suicide and homicide combined. Cardiovascular disease includes a variety of heart and blood vessel diseases, such as heart attack (coronary heart disease), congestive heart failure, high blood pressure (hypertension), and brain attack (stroke).
- ♦ Once considered a man's disease, CVD is a major killer of women. For the past ten years, more women than men have died of CVD in Wisconsin.
- ♦ CVD is not just a condition for the elderly; from 2004 to 2007, heart disease, congestive heart failure, and stroke caused 46,593 deaths in Wisconsin, 13.4% were under 65 years of age.
- ♦ The cost of CVD in Wood County is increasing. In 2007 for Wood County, the total cost of CVD was estimated at \$108,719,785. The total cost includes direct cost, such as health care provider visits, hospital and nursing home services, medication, and home care, and indirect cost, such as lost productivity.
- ♦ From 2003-2007, most Wisconsin CVD death rates have declined except congestive heart failure which stays steady.

Age-adjusted Coronary Heart Disease Death Rate by County, Wisconsin 2004-2007*



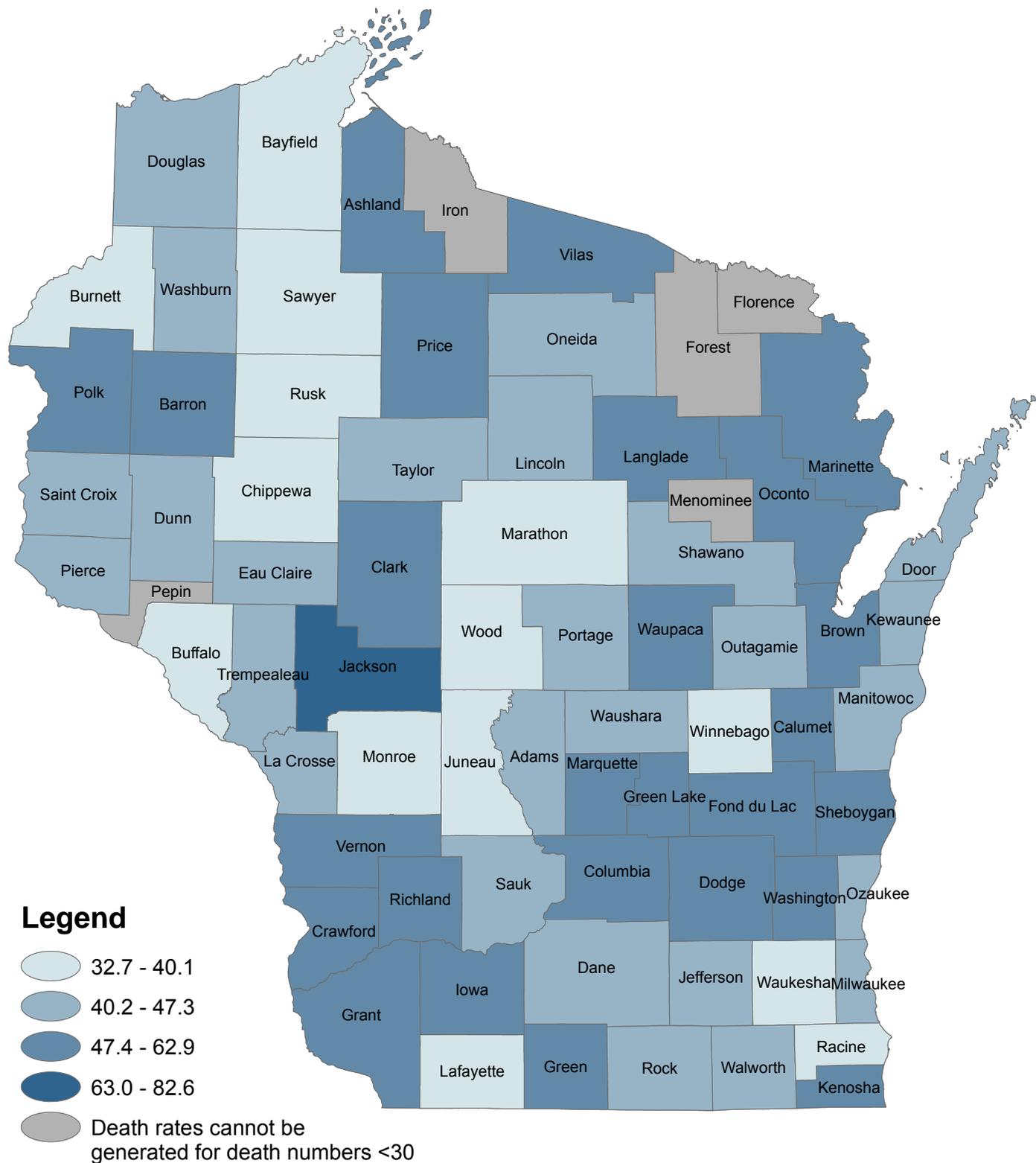
*The death rate is adjusted with U.S. 2000 Standard Population and expressed in per 100,000 population.

Age-adjusted Congestive Heart Failure Death Rate by County, Wisconsin 2004-2007*



*The death rate is adjusted with U.S. 2000 Standard Population and expressed in per 100,000 population.

Age-adjusted Stroke Death Rate by County, Wisconsin 2004-2007*



*The death rate is adjusted with U.S. 2000 Standard Population and expressed in per 100,000 population.

	Population 2007 Estimates*			Death Rates (per 100,000 population)**									Total Annual Costs
				IHD (CHD)			CHF			Stroke			
	M	F	T	M	F	T	M	F	T	M	F	T	
US	148,658,898	152,962,259	301,621,157	164.2	148.7	156.3	15.6	23.6	19.7	40.8	61.4	51.2	\$431,800,000,000
Wisconsin	2,804,008	2,837,573	5,641,581	159.7	81.9	115.4	25.0	20.1	22.0	46.0	43.0	44.6	\$8,076,471,492
Adams	11,547	9,837	21,384	197.6	75.7	136.0	16.3	25.2	21.6	43.5	40.1	42.0	\$30,613,274
Ashland	8,251	8,453	16,704	224.5	100.7	156.1	24.8	23.8	25.4	69.2	48.9	58.3	\$23,913,399
Barron	23,307	23,657	46,964	166.1	101.0	130.5	17.2	19.7	18.9	52.8	43.5	48.0	\$67,233,530
Bayfield	7,938	7,789	15,727	160.8	107.3	134.3	11.5	19.3	16.4	37.0	39.8	40.0	\$22,514,729
Brown	122,486	121,867	244,353	169.2	81.6	118.9	42.4	35.1	37.9	48.6	47.2	48.3	\$349,815,068
Buffalo	7,091	6,973	14,064	109.5	84.5	96.1	49.7	38.1	42.1	40.8	36.9	39.5	\$20,133,983
Burnett	8,414	8,204	16,618	112.9	63.3	87.6	41.2	19.3	29.0	45.6	31.6	38.5	\$23,790,282
Calumet	22,864	22,684	45,548	135.2	82.8	105.2	25.1	19.1	20.8	39.1	58.4	50.6	\$65,206,389
Chippewa	31,415	29,874	61,289	157.0	76.2	111.9	31.2	19.3	24.2	32.8	32.9	32.7	\$87,741,160
Clark	17,072	17,100	34,172	170.1	82.0	123.0	18.7	18.8	19.4	45.3	54.7	51.5	\$48,920,539
Columbia	28,282	27,399	55,681	156.7	71.1	106.4	24.3	19.8	21.8	57.3	53.1	56.4	\$79,712,763
Crawford	8,820	8,570	17,390	160.2	96.9	127.6	20.7	24.3	22.2	52.0	56.2	54.4	\$24,895,475
Dane	234,988	237,302	472,290	124.9	61.6	87.6	23.2	22.1	22.4	42.3	42.5	42.7	\$676,129,036
Dodge	46,855	42,084	88,939	186.8	116.5	147.8	22.8	21.6	22.1	55.3	53.4	55.7	\$127,324,822
Door	14,539	14,846	29,385	140.3	71.2	100.8	61.9	34.2	44.9	44.1	40.6	42.8	\$42,067,483
Douglas	21,800	22,244	44,044	161.0	95.9	124.6	30.3	12.0	18.7	54.1	34.2	41.3	\$63,053,267
Dunn	21,762	21,150	42,912	132.8	63.0	95.2	30.1	21.5	25.3	41.0	39.1	40.6	\$61,432,699
Eau Claire	47,755	50,149	97,904	142.4	60.7	93.5	26.5	18.3	21.5	50.8	38.1	42.7	\$140,159,091
Florence	2,629	2,496	5,125	116.3	80.7	98.4	50.0	69.4	62.8	11.7	35.1	27.2	\$7,336,936
Fond Du Lac	49,379	51,302	100,681	170.1	83.8	119.5	18.9	18.8	19.5	61.2	42.0	48.9	\$144,134,636
Forest	5,080	5,094	10,174	134.4	76.4	103.6	28.0	22.3	23.8	39.7	45.1	45.0	\$14,565,070
Grant	25,806	24,567	50,373	191.1	117.1	149.5	38.6	32.8	34.9	52.2	45.4	49.2	\$72,113,845
Green	17,836	18,324	36,160	115.3	54.7	80.7	28.4	20.2	23.4	62.6	39.9	48.8	\$51,766,554
Green Lake	9,560	9,636	19,196	169.0	73.3	112.4	31.4	16.7	22.4	46.7	60.5	54.9	\$27,480,940
Iowa	11,980	11,985	23,965	192.1	118.7	153.5	30.4	17.9	21.6	64.7	46.5	53.2	\$34,308,227
Iron	3,354	3,435	6,789	225.7	132.3	177.0	24.5	21.9	23.7	35.9	27.8	30.0	\$9,719,113
Jackson	10,752	9,278	20,030	181.1	98.8	138.5	37.1	37.8	37.1	83.3	80.8	82.6	\$28,674,892
Jefferson	39,932	40,615	80,547	181.0	92.7	130.5	14.6	12.9	13.6	42.3	37.5	40.5	\$115,310,859
Juneau	13,819	13,211	27,030	166.8	68.2	112.9	13.9	16.7	15.5	33.1	38.5	36.5	\$38,696,072
Kenosha	80,755	81,330	162,085	193.9	117.1	150.4	16.0	15.1	15.2	48.8	55.8	53.6	\$232,040,430
Kewaunee	10,560	10,466	21,026	125.3	52.0	84.6	48.8	57.0	55.0	44.2	47.5	46.2	\$30,100,762
La Crosse	54,696	57,287	111,983	155.5	71.4	105.1	24.8	18.3	20.1	46.3	40.9	43.7	\$160,314,548
Lafayette	8,105	8,096	16,201	176.6	85.9	125.1	23.1	9.0	15.4	47.2	29.9	38.6	\$23,193,306
Langlade	10,611	10,558	21,169	177.2	93.7	132.0	17.5	12.5	14.9	47.3	48.8	50.3	\$30,305,481
Lincoln	15,219	15,078	30,297	152.0	70.7	108.8	22.7	24.5	23.2	45.9	36.8	40.6	\$43,373,100
Manitowoc	41,757	41,698	83,455	153.1	81.3	112.0	24.5	22.2	23.4	42.9	38.8	40.5	\$119,473,943
Marathon	66,820	66,239	133,059	131.8	62.9	92.5	12.6	18.4	16.6	36.2	34.3	34.9	\$190,486,890
Marinette	21,915	22,102	44,017	200.5	107.2	150.8	11.8	12.0	12.8	55.7	46.3	50.1	\$63,014,613
Marquette	7,698	7,546	15,244	133.0	80.3	108.2	55.8	38.7	45.1	58.2	38.9	48.0	\$21,823,268
Menominee	2,241	2,375	4,616	219.1	109.8	162.3	X	X	X	52.3	40.2	45.8	\$6,608,253
Milwaukee	455,260	487,092	942,352	177.2	94.2	128.6	19.9	15.1	16.9	46.5	42.6	44.5	\$1,349,068,473
Monroe	22,124	21,580	43,704	206.3	97.1	149.7	28.2	23.2	25.4	44.3	32.4	38.0	\$62,566,523
Oconto	19,467	19,093	38,560	158.8	66.3	108.2	59.5	26.8	39.5	50.4	48.8	48.6	\$55,202,388
Oneida	19,002	18,915	37,917	169.2	84.2	122.8	26.7	20.7	22.4	51.8	43.0	47.3	\$54,281,871
Outagamie	87,244	86,840	174,084	150.6	73.6	106.3	30.1	21.7	24.9	50.0	43.8	45.9	\$249,218,165
Ozaukee	42,645	43,796	86,441	145.1	92.3	115.6	27.2	21.3	23.7	45.2	44.3	45.5	\$123,748,692

Pepin	3,921	3,692	7,613	123.0	111.4	118.9	X	X	X	58.3	49.1	52.6	\$10,898,749
Pierce	19,958	20,154	40,112	147.6	40.1	87.2	23.1	16.5	18.8	51.1	41.0	46.3	\$57,424,226
Polk	22,708	22,551	45,259	147.4	73.6	106.9	15.2	15.9	15.6	52.8	46.9	49.9	\$64,792,657
Portage	34,972	34,609	69,581	166.1	65.6	107.3	27.5	22.9	24.6	36.4	50.5	46.0	\$99,611,964
Price	7,866	7,674	15,540	160.7	83.5	119.4	44.2	25.1	33.2	56.4	45.4	51.2	\$22,247,020
Racine	96,820	98,691	195,511	172.6	78.5	116.4	18.5	14.0	15.7	37.1	33.1	35.2	\$279,892,998
Richland	9,040	9,182	18,222	150.7	73.8	103.7	35.1	20.2	26.5	49.9	53.2	51.1	\$26,086,564
Rock	79,099	80,776	159,875	145.1	84.7	109.7	25.8	18.6	21.0	44.2	44.4	44.7	\$228,876,600
Rusk	7,637	7,673	15,310	156.0	67.7	109.9	50.3	32.4	39.2	43.8	29.2	35.7	\$21,917,753
Sauk	40,160	39,794	79,954	129.6	55.2	86.9	23.9	27.7	26.6	38.7	50.8	47.2	\$114,461,922
Sawyer	29,789	30,291	60,080	155.7	73.9	109.2	38.7	29.6	33.6	44.4	44.4	45.1	\$86,010,359
Shawano	8,830	8,633	17,463	212.9	86.3	145.8	21.6	10.2	15.4	37.7	39.8	38.4	\$24,999,982
Sheboygan	21,083	20,947	42,030	181.9	91.6	132.4	9.4	11.2	10.3	43.1	37.4	40.6	\$60,170,030
St. Croix	58,684	57,657	116,341	167.4	74.5	113.8	53.5	40.1	45.0	51.9	51.0	51.4	\$166,553,448
Taylor	10,022	9,787	19,809	152.7	55.4	99.9	21.2	22.3	22.5	42.2	37.3	40.7	\$28,358,509
Trempealeau	14,134	13,937	28,071	168.7	77.1	116.9	39.2	16.3	25.3	29.0	47.9	41.2	\$40,186,365
Vernon	14,558	14,862	29,420	158.7	71.3	109.0	44.1	31.2	36.9	62.6	60.6	62.9	\$42,117,589
Vilas	11,229	11,325	22,554	164.3	90.6	125.3	22.7	20.5	20.8	49.9	49.8	51.6	\$32,288,243
Walworth	50,634	50,296	100,930	149.0	98.2	120.4	20.3	16.1	18.0	45.9	42.3	44.0	\$144,491,104
Washburn	8,739	8,504	17,243	177.3	78.4	125.9	13.6	18.9	16.3	48.2	43.8	46.5	\$24,685,030
Washington	64,677	64,669	129,346	130.6	71.0	96.2	21.7	13.3	15.7	51.4	47.1	49.3	\$185,171,370
Waukesha	188,236	192,997	381,233	138.1	76.3	102.7	17.0	14.9	15.7	38.5	41.1	40.1	\$545,772,091
Waupaca	26,835	26,487	53,322	241.8	100.4	164.7	30.9	20.6	24.8	74.5	49.0	58.5	\$76,335,625
Waushara	13,201	11,898	25,099	245.5	125.4	178.5	48.1	38.1	40.4	38.6	40.9	40.7	\$35,931,658
Winnebago	82,355	81,717	164,072	130.8	65.1	94.0	20.2	17.7	18.8	34.9	33.9	35.4	\$234,885,014
Wood	37,389	38,554	75,943	161.4	66.1	107.1	25.3	20.8	22.6	40.8	37.9	39.3	\$108,719,785

*National population estimate 2007, U.S. Census Bureau, Population Division

<http://www.census.gov/popest/national/asrh/NC-EST2007-srh.html>

Wisconsin population estimates 2007, Bureau of Health Information and Policy, Division of Public Health,
Wisconsin Department of Health Services

** CDC WONDER On-line Database, compiled from Compressed Mortality File 2003-2005 Series 20 No. 2K, 2008.

Accessed at <http://wonder.cdc.gov/cmfi-icd10.html> on Jul 15, 2009

** WI Deaths: Wisconsin Deaths 2004-2007, Bureau of Health Information and Policy, Division of Public Health
Wisconsin Department of Health Services

TECHNICAL NOTES

Age-adjusted rates: An age-adjusted rate provides a single summary measure that allows one to examine the comparative likelihood of experiencing a condition in two populations, despite differences in age structures. An age-adjusted rate has meaning only as a point of comparison to other rates that have been adjusted in the same way. The direct method for calculation of age-adjusted rates is carried out by weighting the actual, age-specific rates in a population of interest by the proportionate age distribution of a standard population. The weighted age-specific rates are then summed across the age categories to provide the age-adjusted rate. Throughout this report, we used the year 2000 U.S. population as the standard population for age-adjustment.

Body Mass Index (BMI): A mathematical formula to assess body weight relative to height. The measure correlates highly with body fat. BMI was calculated as weight in kilograms divided by the square of height in meters (Kg/m^2).

Mortality data: Mortality data are from the Wisconsin Bureau of Health Information and Policy (BHIP) (2004-2007), Division of Public Health, Department of Health Services. Prior to 1999, causes of death were coded using the International Classification of Diseases, Ninth Revision (ICD-9). Beginning in 1999, causes of death are coded using the International Classification of Diseases, Tenth Revision (ICD-10). In this report we use ICD-10 for analysis.

1. A Coronary (Ischemic) Heart Disease death in 2004 to 2007 is defined as the reporting of an ICD-10 code I20 – I25 in “Underlying Cause of Death” on the death certificate.
2. A Congestive Heart Failure (CHF) death in 2004 to 2007 is defined as the reporting of an ICD-10 code I50 in “Underlying Cause of Death” on the death certificate.
3. A Stroke death in 2004 to 2007 is defined as the reporting of an ICD-10 code I60 – I69 in “Underlying Cause of Death” on the death certificate.

In this report, mortality data includes deaths of all ages, and data are age-adjusted to the 2000 U.S. standard population.

Population: The year 2000 United States standard population was provided by the United States Census Bureau. Wisconsin population estimates, 2004-2007, were provided by the Bureau of Health Information and Policy (BHIP), Division of Public Health, Wisconsin Department of Health Services.

Risk factors: All risk factor data are from the 2005 and 2007 Wisconsin Behavioral Risk Factor Surveillance System (BRFSS). All percentages are rounded to the nearest whole percent i.e., number smaller than 0.5 will be rounded down to the lower integer and greater or equal to 0.5 then will be rounded up to the next integer. Risk factor information is limited to only persons 18 years and older.

1. Body mass index (BMI) is defined as weight in kilograms divided by height in meters squared (kg/m^2). Obese is defined as a BMI of 30 kg/m^2 or above and overweight is defined as a BMI of 25 kg/m^2 or above. Therefore, the percentage of persons who are overweight includes those who are obese.

2. The definition of high blood pressure is the persons who answered “Yes” to the question “Have you ever been told by a doctor, nurse, or other health professional that you have high blood pressure?”
3. The definition of high cholesterol is the persons who answered “Yes” to the question “Have you ever been told by a doctor or other health professional that your blood cholesterol is high?”
4. The definition of lack of physical activity is “Do not meet the recommended guidelines for moderate physical activity.”
5. The definition of current smoker is the persons who have ever smoked 100 cigarettes in their lifetime and reported smoking every day or some days.
6. The definition of less than 5 servings of fruit/vegetables is the percentage of persons who report they do not consume five or more servings a day.
7. The definition of diabetes is the persons who answered “Yes” to the question “Have you ever been told by a doctor that you have diabetes?”

The total cost: The total cost, including direct cost and indirect cost, is the economic burden caused by cardiovascular diseases. Direct cost is defined as medical expenditures attributable to cardiovascular diseases including the cost of physicians and other professionals, hospital and nursing home services, medications, home health care, and other medical durables. Indirect cost is defined as those related to foregone earnings due to disability and mortality attributable to cardiovascular diseases. The total cost information for Wisconsin was extrapolated from the American Heart Association’s estimates, American Heart Association. Heart Disease and Stroke Statistics -- 2007 Update, American Heart Association, Dallas TX, 2007.

Data Sources

Behavioral Risk Factor Surveillance System: The Behavioral Risk Factor Surveillance System (BRFSS) is a representative, statewide telephone survey of Wisconsin household residents 18 years of age and older. The survey employs a stratified sample design, and results are weighted to account for non-response, sample design, and the number of adults in each household. Percentages are weighted to estimate the proportion of the Wisconsin adult population household who engage in health-risk behaviors and the percentage who utilize particular health screening procedures.

Mortality (Death) Data: Wisconsin mortality data are based on resident death certificates filed with the State Registrar, Bureau of Health Information and Policy (BHIP), Division of Public Health, Wisconsin Department of Health Services, Vital Records Section, as mandated by Chapter 69 of the Wisconsin Statutes. Most resident deaths occurred in Wisconsin, although the death file includes certificates for Wisconsin residents who died in other states and countries as well.

Wisconsin Population: Population estimates were produced by the Bureau of Health Information and Policy (BHIP), Division of Public Health, Wisconsin Department of Health Services. The BHIP produces mid-year population estimates for the counties and state of Wisconsin by age and sex categories for non-census years. Estimates are used to calculate population-based health statistics. The estimates are compared to the U.S. Census Bureau's 2000 base estimates, which reflect Census Bureau modifications to the Census 2000 population counts.

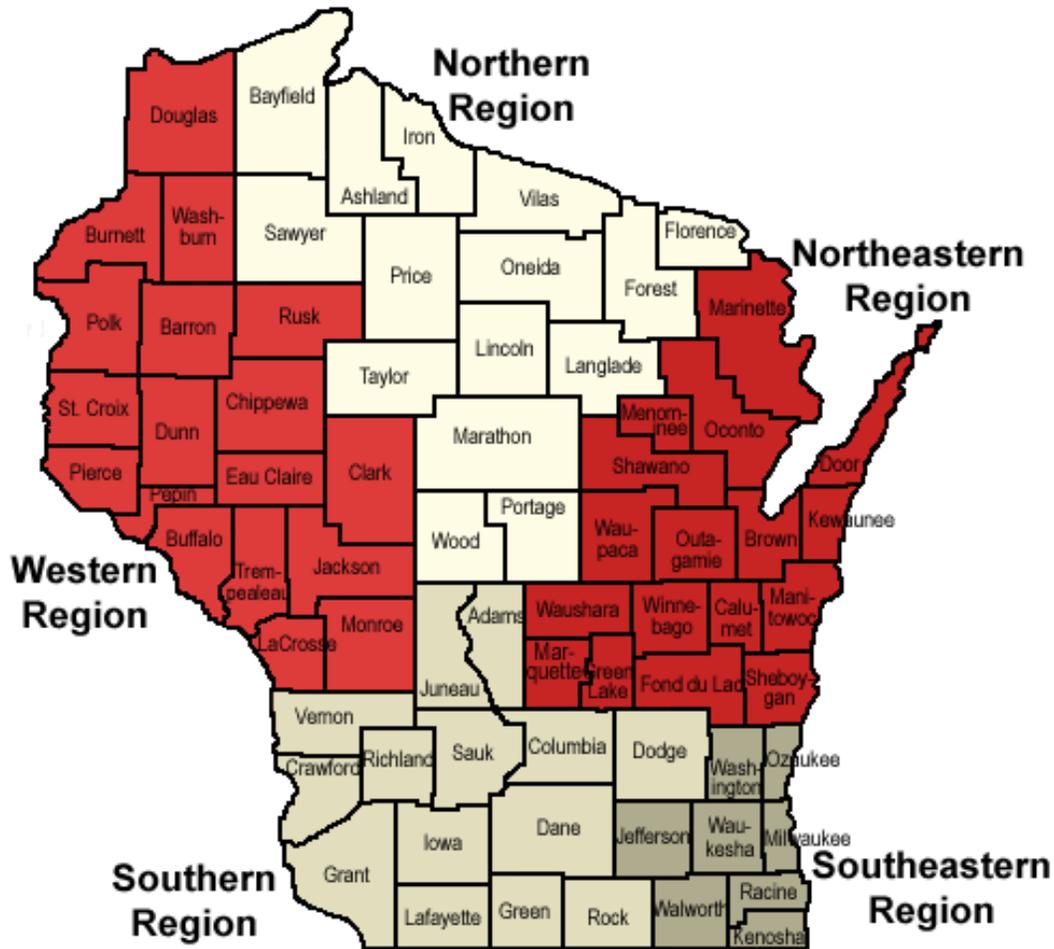
Year 2000 United States Standard Population: The year 2000 United States standard population consists of an age-specific population distribution, which was projected for the United States in the year of 2000 by the United States Census Bureau. Beginning with data published in 1999, the Centers for Disease Control and Prevention recommended that the year 2000 United States standard population be used in calculating all age-adjusted rates based on the direct method. Estimates are available at <http://www.census.gov/popest/national>.

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The Heart Disease and Stroke Prevention Program, Bureau of Community Health and Promotion, Division of Public Health, Wisconsin Department of Health Services compiled data and information for this report. February 2010.

Figure 1: Department of Health Services Regions



The Division's regional offices are located in Rhinelander, Green Bay, Madison, Milwaukee and Eau Claire.

<p><u>Northeastern Regional Office</u> 200 N. Jefferson Street, Suite 511 Green Bay, WI 54301-5123 Telephone: 920-448-5223 Fax: 920-448-5265 Director: Dennis Hibray</p>	<p><u>Northern Regional Office</u> 2187 N. Stevens Street, Suite C Rhinelander, WI 54501 Telephone: 715-365-2700 Fax: 715-365-2705 Director: Terri Timmers</p>
<p><u>Southeastern Regional Office</u> 819 N. 6th Street, Room 609 Milwaukee, WI 53203-1697 Telephone: 414-227-4860 Fax: 414-227-2010 Director: Robert Harris</p>	<p><u>Southern Regional Office</u> 1 W. Wilson St., Room 118 Madison, WI 53703 Telephone: 608-266-3500 Fax: 608-266-9793 Director: Mary Young</p>
<p><u>Western Regional Office</u> 610 Gibson Street, Suite 3 Eau Claire, WI 54701-3687 Telephone: 715-836-5362 Fax: 715-836-6686 Director: Elizabeth (Lieske) Giese</p>	
<p>Regional Office staff provide contract monitoring, technical assistance and training related to family and community health, communicable disease prevention and control, chronic disease prevention and health promotion, environmental health, and injury prevention. They also inspect facilities licensed by DPH, including restaurants, motels, swimming pools, tattoo and body-piercing facilities, and bed and breakfast establishments.</p>	

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