

# Michigan: Burden of Chronic Diseases



## The Burden of Chronic Diseases

Chronic diseases – such as heart disease, stroke, cancer, and diabetes – are among the most prevalent, costly, and preventable of all health problems. Leading a healthy lifestyle (avoiding tobacco use, being physically active, and eating well) greatly reduces a person’s risk for developing chronic disease. Access to high-quality and affordable prevention measures (including screening and appropriate follow-up) are essential steps in saving lives, reducing disability and lowering costs for medical care.

### Heart Disease and Stroke

Heart disease and stroke, the first and third leading causes of death in the United States, are the most common cardiovascular diseases.

- Heart disease accounted for 29% of deaths in Michigan in 2005, while stroke caused 6% of deaths.
- In 2007, 29% of adults in Michigan reported having high blood pressure (hypertension) and 40% of those screened reported having high blood cholesterol, which puts them at greater risk for developing heart disease and stroke.

### Cancer

Cancer is the second leading cause of death in the United States, accounting for almost one in every four deaths.

- 23% of all deaths in Michigan in 2005 were due to cancer.
- The American Cancer Society estimates that 54,410 new cases of cancer were diagnosed in Michigan in 2007, including 5,570 new cases of colorectal cancer and 5,900 new cases of breast cancer in women.

### Diabetes

In 2005, diabetes was the sixth leading cause of death in the U.S. Likely to be underreported as a cause of death, the risk of death among people with diabetes is about twice that of people without diabetes of similar age.

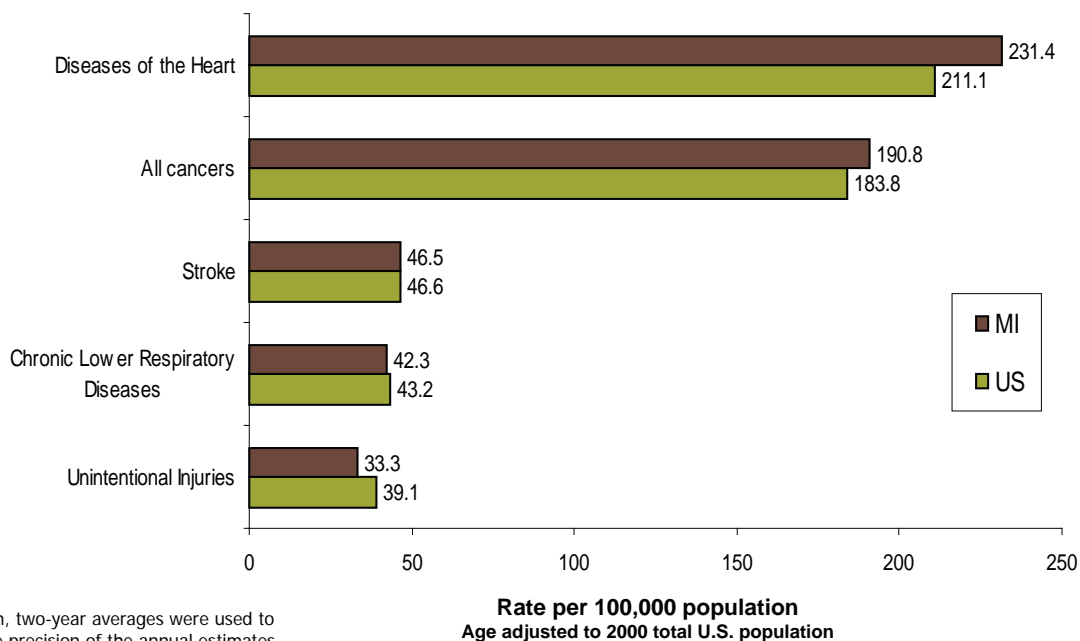
- 2,842 adults in Michigan died from diabetes mellitus in 2005.
- In 2007, 9% of adults in Michigan reported being diagnosed with non-pregnancy related diabetes.<sup>9</sup>

### Arthritis

Arthritis is the most common cause of disability in the U.S., affecting more than 46 million Americans.

- In 2007, 31% of adults in Michigan reported being diagnosed with arthritis.

## Most Common Causes of Death, Michigan Compared with United States, 2005



◦ At minimum, two-year averages were used to improve the precision of the annual estimates.

# Michigan: Risk Factors and Preventive Services

## Tobacco Use

Tobacco use is the single most preventable cause of death and disease in the United States. Each year, an estimated 438,000 people in the U.S. die prematurely from smoking or exposure to second hand smoke, and another 8.6 million have a serious illness caused by smoking. For every person who dies from smoking, 20 more people suffer from at least one serious tobacco-related illness.

- In 2007, 21% of adults and 18% of high school students in Michigan reported being current smokers.

## Nutrition, Physical Activity, and Overweight/Obesity

In the past 30 years, the prevalence of overweight and obesity has increased sharply for both adults and children. Physical inactivity and unhealthy eating contribute to overweight and obesity and a number of chronic diseases, including some cancers, cardiovascular disease, and diabetes.

- In 2007, 64% of adults in Michigan were overweight or obese and 17% of high schools students were overweight, based on self-reported height and weight.
- 83% of high school students and 79% of adults in Michigan consumed fewer than 5 fruits and vegetables per day.
- 55% of Michigan high school students did not attend physical education classes.
- 49% of adults in Michigan were not engaged in sufficient moderate or vigorous physical activity.

## Early Detection

Mammography is a screening method that has been shown to reduce mortality due to breast cancer by approximately 20-25% over 10 years among woman aged 40 years and over.

- In 2006, 20% of women in Michigan aged 40 years or older, reported not having had a mammogram within the last 2 years.

Up to 60 percent of deaths from colorectal cancer could be prevented if persons aged 50 and older were screened regularly. Colorectal cancer can be prevented by removing precancerous polyps or abnormal growths, which can be identified during a fecal occult blood test, sigmoidoscopy or colonoscopy.

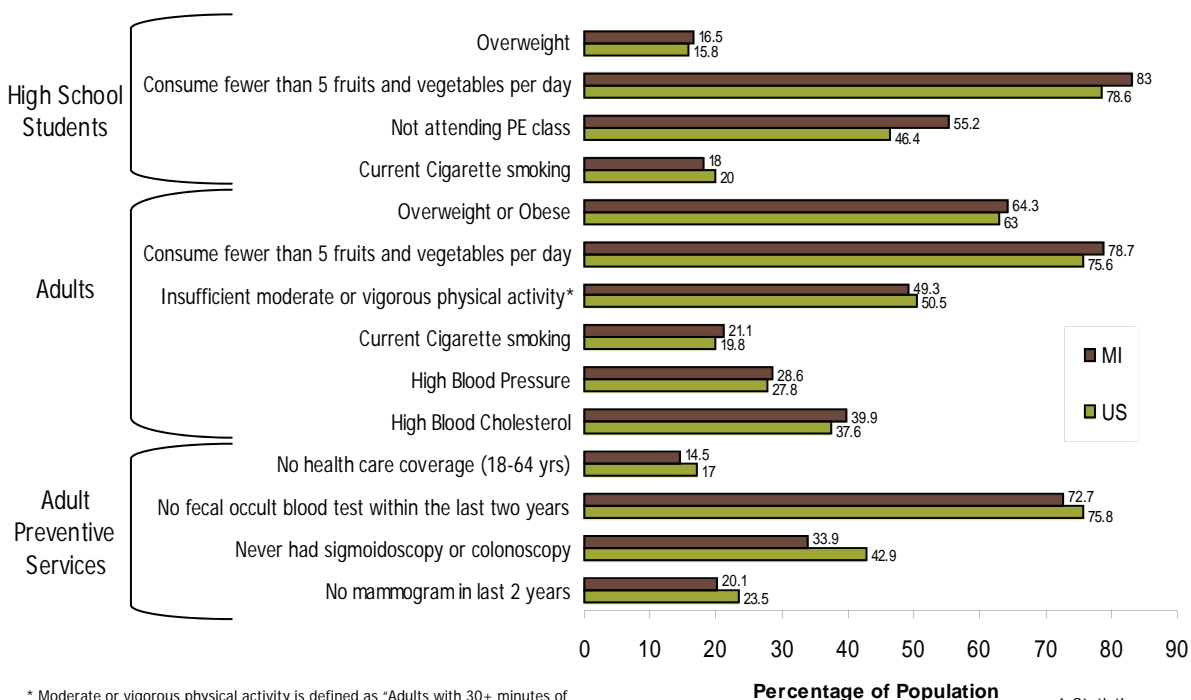
- In 2006, among adults in Michigan aged 50 years or older, 34% reported never having had a sigmoidoscopy or colonoscopy.
- 73% reported not having had a fecal occult blood test within the past two years.

## No Health Care Coverage

With the U.S. health care system changing rapidly, health care plans (e.g. health insurance, HMOs and Medicaid/Medicare) need to ensure that all Americans have access to affordable, high-quality preventive services.

- In 2007, 15% of adults aged 18-64 in Michigan reported having no health care coverage.

## Preventive Services and Risk Factors, Michigan Compared with United States



\* Moderate or vigorous physical activity is defined as "Adults with 30+ minutes of moderate physical activity five or more days per week, or vigorous physical activity for 20+ minutes three or more days per week."

^ Statistics presented are from the most recent year available