

**Comparison of
Michigan Critical Health Indicators Report
& Healthy People 2010 Targets**

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*Michigan Department
of Community Health*



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INTRODUCTION

The Michigan Critical Health Indicators Report

Michigan Critical Health Indicators is a set of twenty-five indicators that establishes a measurement of health and wellbeing for the state as a whole. The indicators range from health-related behaviors, such as physical activity, to health outcomes, such as the infant mortality rate. Each indicator provides a unique view of one aspect of Michigan residents' health, and viewed collectively, provides a picture of the health of the state. The goal of the Critical Health Indicators is to inform the public on Michigan's health and wellbeing, establish a method for monitoring improvement, and serve as a resource for state and local policy makers and planners.

The Healthy People 2010 Report

The Healthy People 2010 (HP2010) initiative provides a framework for health promotion and disease prevention. This federal initiative established a set of health objectives to identify the most significant preventable threats to health and established goals to reduce these threats. The intent is that states, communities, professional organizations, and people will use Healthy People 2010 as they develop programs to improve health. This initiative has 28 focus areas with 467 objectives designed to serve as a roadmap for improving people's health during the first decade of the new century. Within each objective, a target is set to assess whether the nation has successfully achieved the objective. Healthy People 2010 has two overarching goals for residents of the United States: to increase quality and years of healthy life and to eliminate health disparities.

Comparison of the Two Reports

Michigan Critical Health Indicators and the Healthy People 2010 initiative both track progress over time in addressing health issues. Similar datasets are used for many of the measures found in both Michigan Critical Health Indicators and Healthy People 2010. Given these similarities, the intent of this report is to utilize Michigan Critical Health Indicators to gauge Michigan's success in meeting national targets set forth in Healthy People 2010.

Fifteen of the twenty-five Michigan Critical Health Indicators are easily comparable with Healthy People 2010 objectives. This report specifically looks at those fifteen indicators and determines if Michigan has met, exceeded, or not yet reached the HP 2010 target. These fifteen indicators were compared with HP 2010 objectives, as opposed to using the newly released HP 2020 targets for two significant reasons. The HP 2020 data warehouse remains in developmental stages. In order to keep the data consistent with previous reports, the data was extracted from the Healthy People 2010 data warehouse (the Centers for Disease Control and Prevention (CDC) Wonder Online Database). Additionally, since 2009 is the most recent data year included in this report, it is more reasonable to measure year 2010 and previous years against the 2010 targets. One indicator included in this report, children who receive the recommended doses of vaccines, is best compared to the HP 2020 target as the recommended vaccinations have expanded since the HP 2010 target was formulated.

How to Read This Report

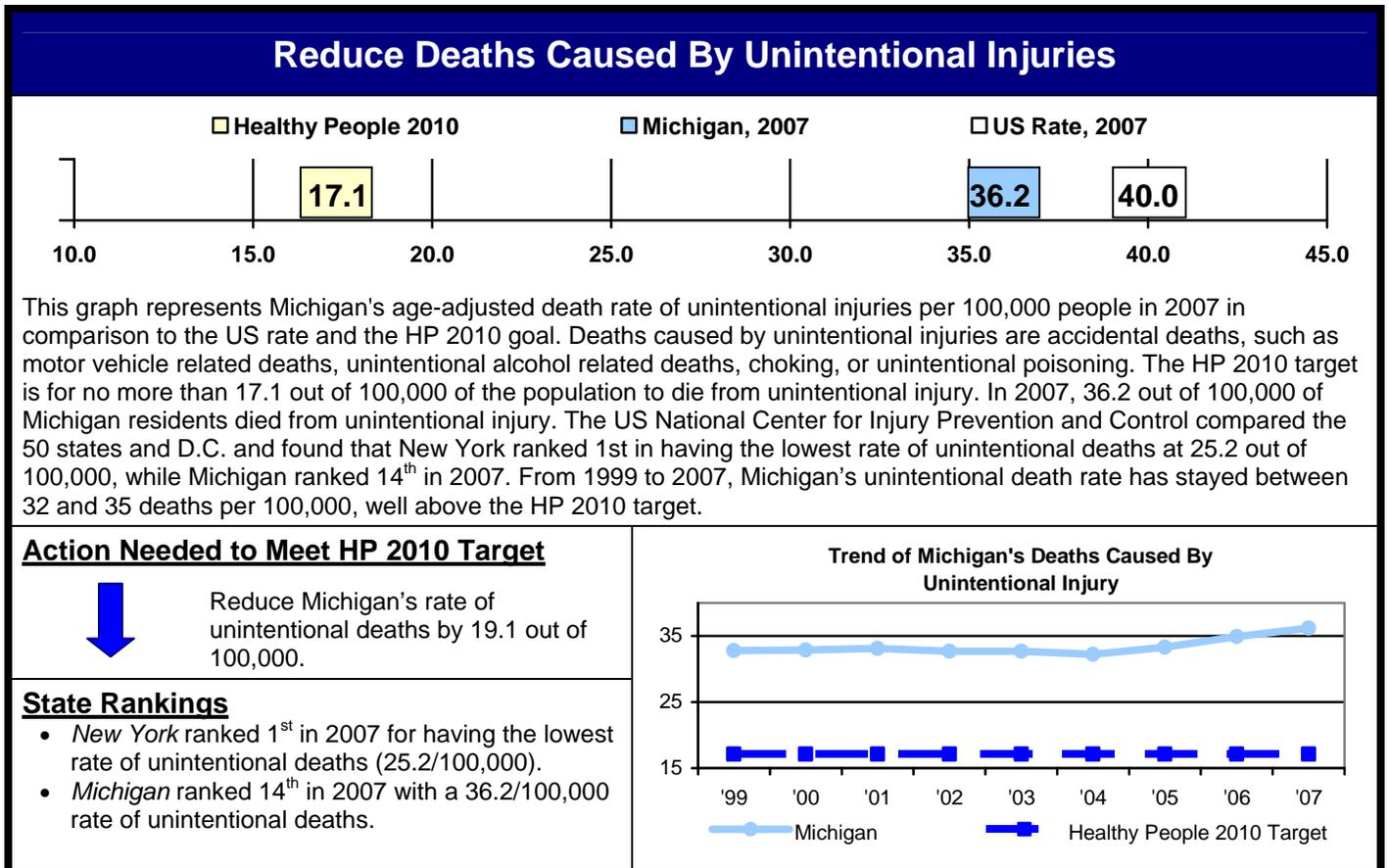
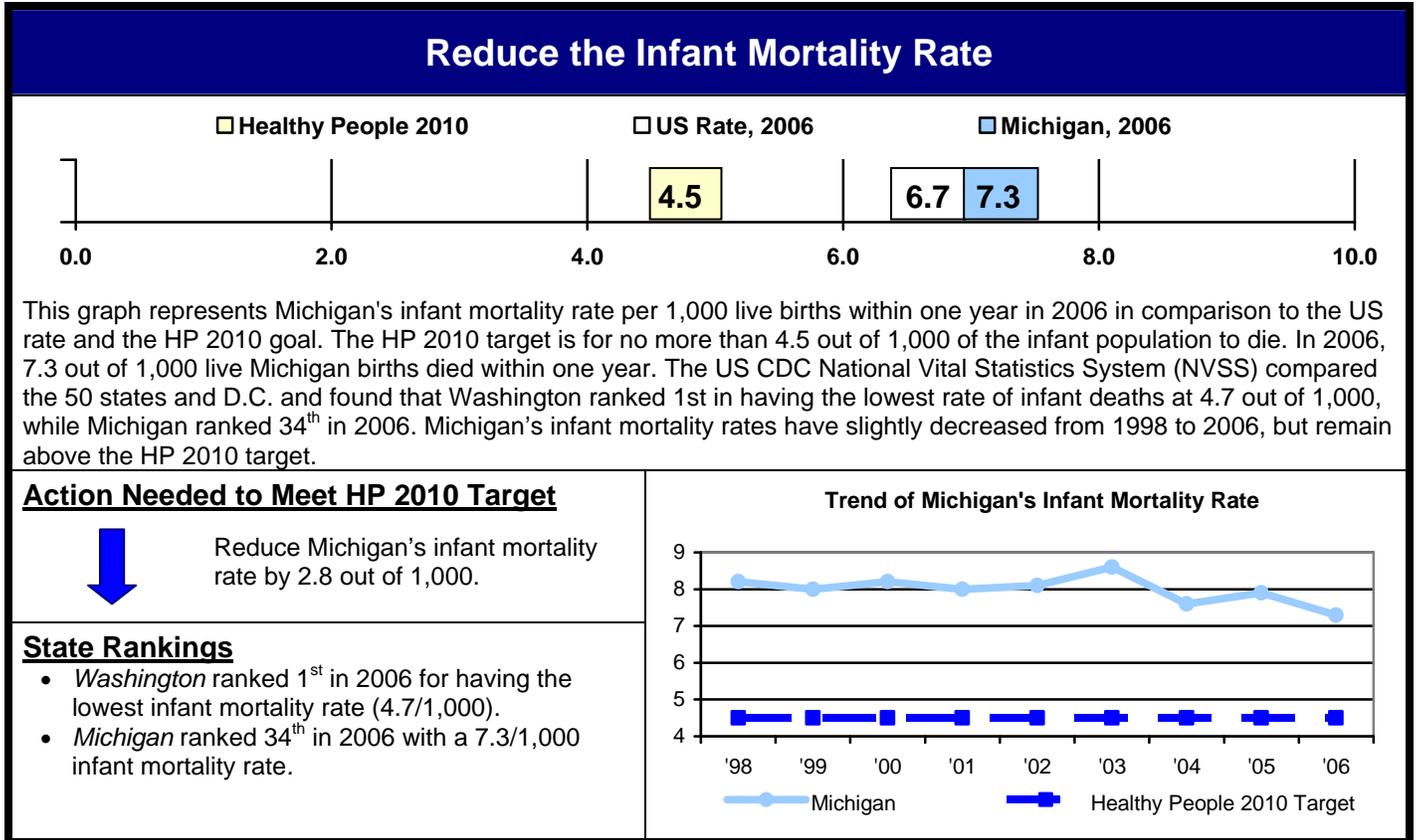
This report presents a variety of data about each indicator that is represented in both the Critical Health Indicator report as well as the Healthy People 2010 report. It begins with a graph comparing Michigan data to the United States as a whole and the Healthy People 2010 target. Below the graph, there is a short paragraph describing the information found in the variety of statistics and graphs for each indicator. Also included is the state that ranked first in each indicator as well as where Michigan stands among the states. Last, there is a trend graph that shows how Michigan has fared for the most recent years against the HP 2010 target.

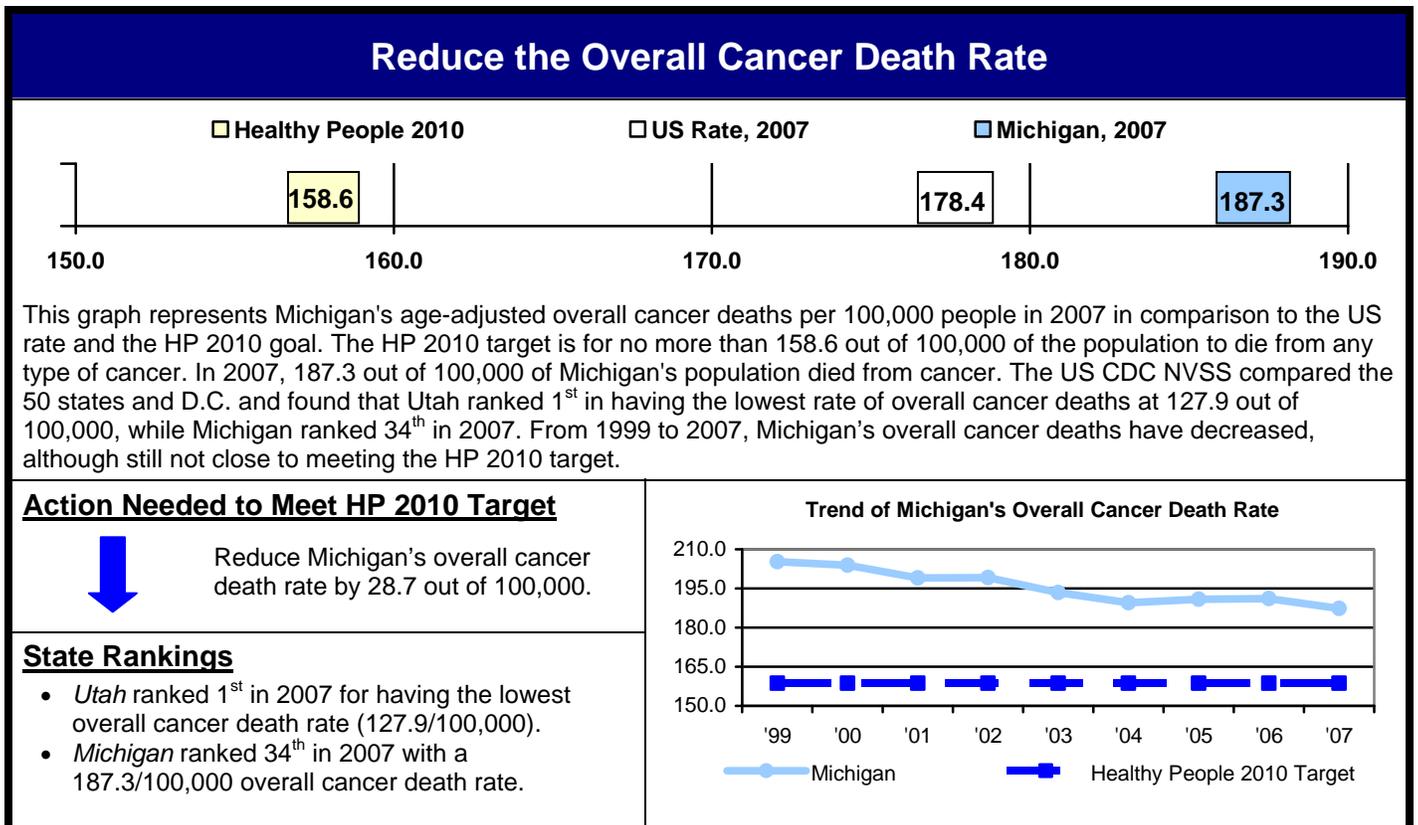
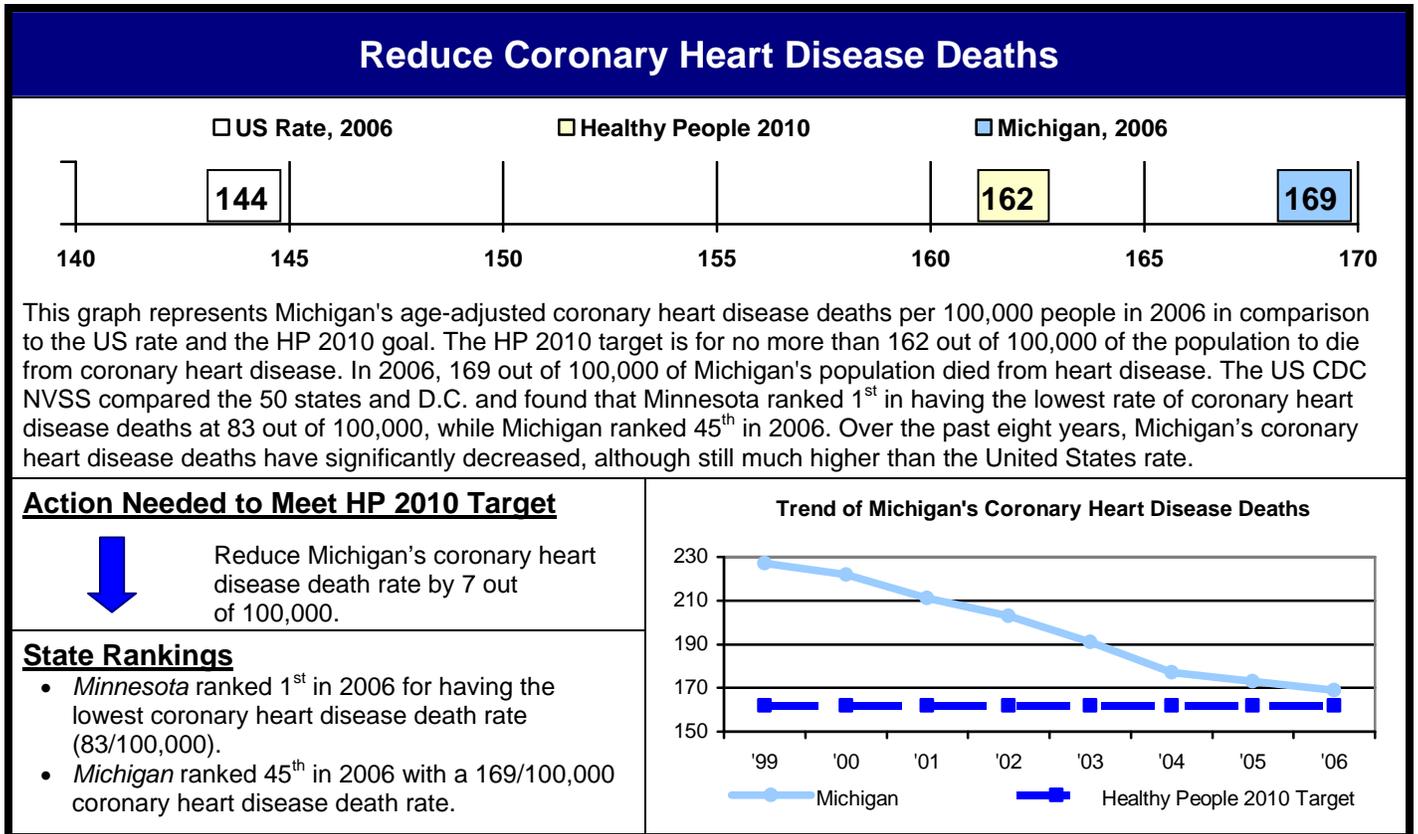
The data for this report was found at the CDC Wonder Online Database at <http://wonder.cdc.gov/>. Much of the data is collected through the CDC Behavioral Risk Factor Surveillance System (BRFSS) and the CDC National Vital Statistics System (NVSS), as well as a selection of other national surveys. The data for the childhood vaccination section is from the US National Immunization Survey and the data for the homicide section is from the FBI Uniform Crime Report. Data for the health insurance section is from the US Census Bureau's Current Population Survey (CPS).

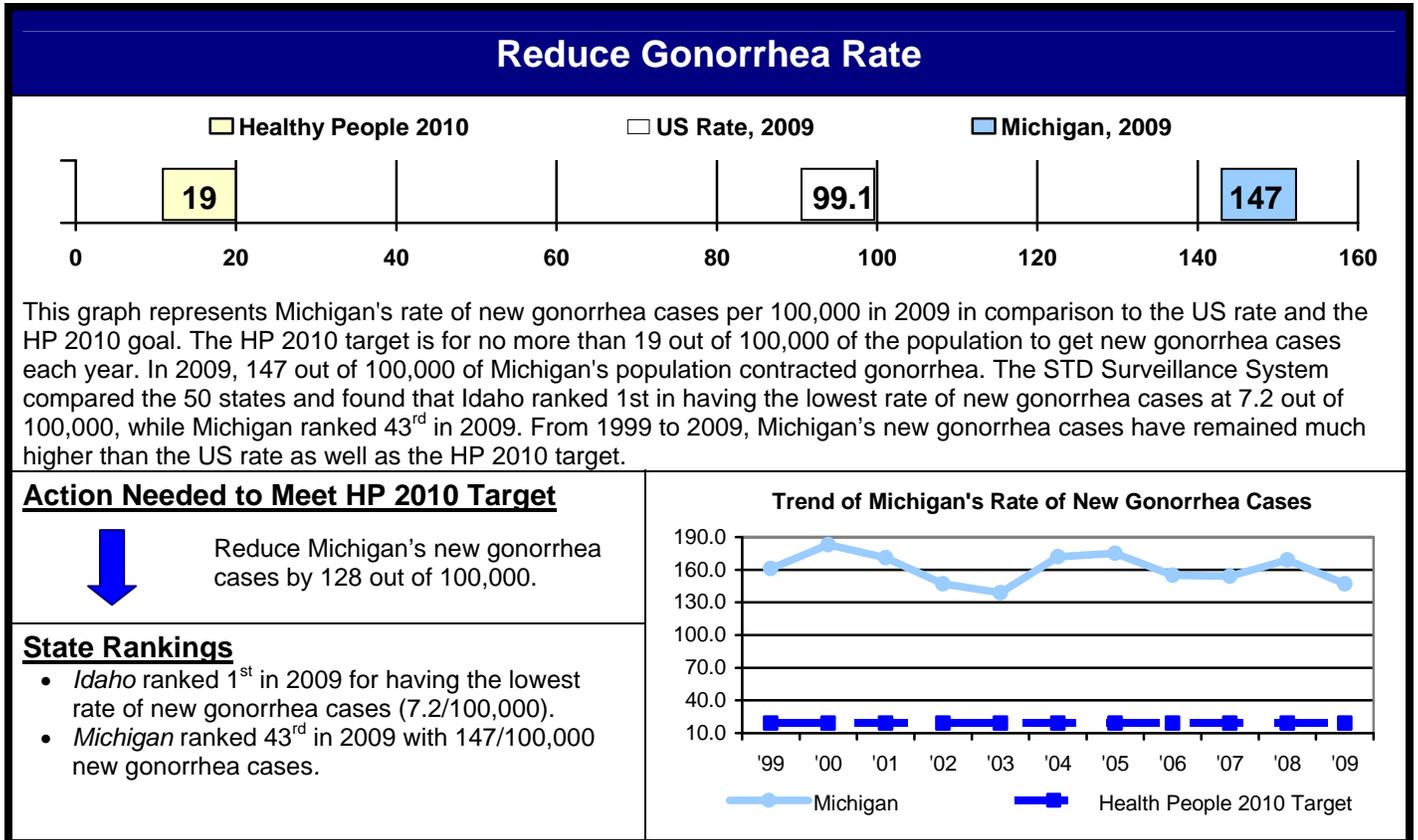
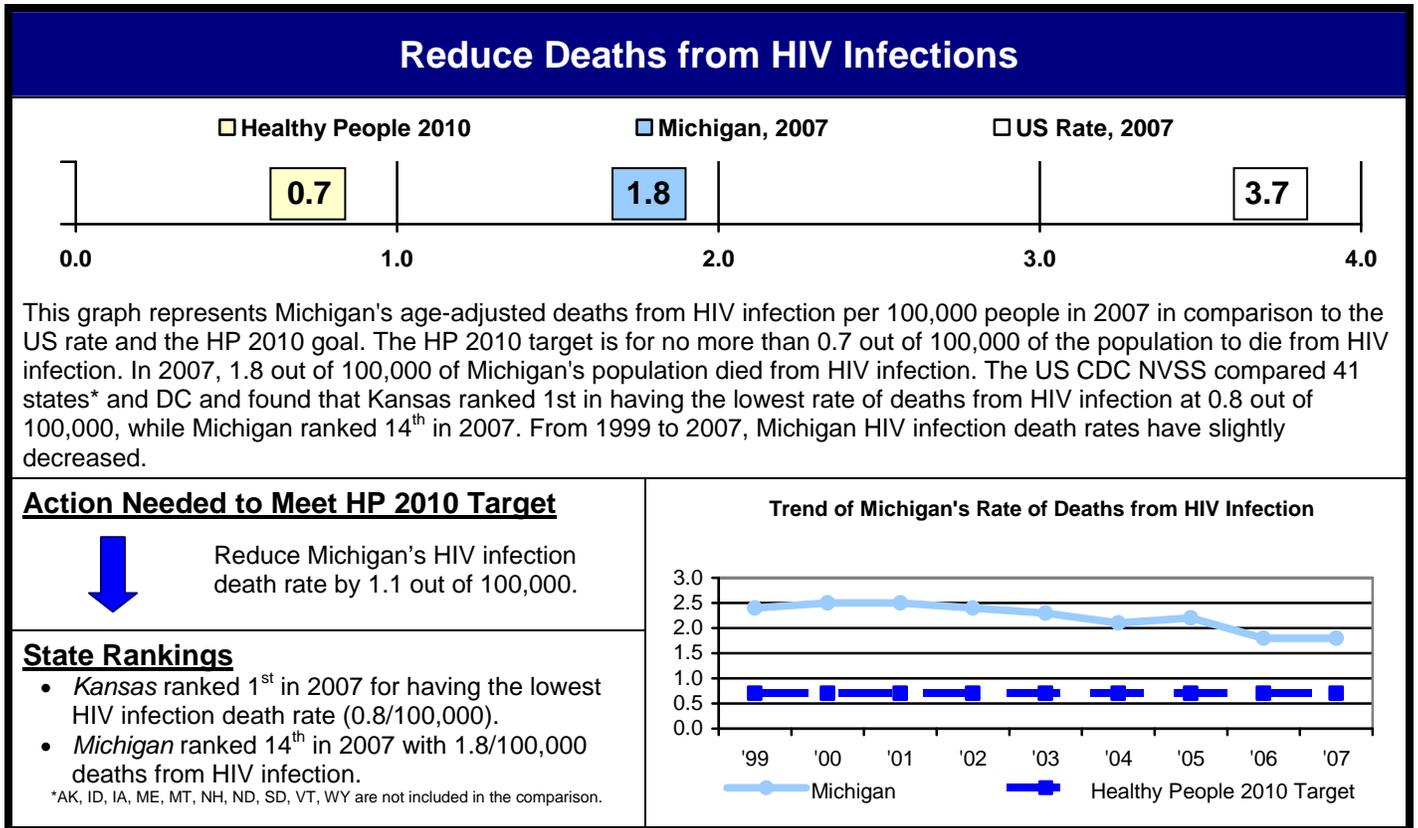
For answers to any questions about the report, please contact the Michigan Department of Community Health, Health Planning & Access to Care Section, at (517) 241-2966 or at HPAC@michigan.gov.

Critical Health Indicators / Healthy People 2010 Objectives	Latest Data Year	HP 2010 Target	Michigan	US Data (Average/ Mean)	Michigan Status	Michigan Ranking
Reduce the infant mortality rate.	2006	4.5/1,000	7.3/1,000	6.7/1,000	Not Met	34 th
Reduce deaths caused by unintentional injuries.	2007	17.1/ 100,000	36.2/ 100,000	40/ 100,000	Not Met	14 th
Reduce coronary heart disease deaths.	2006	162/ 100,000	169/ 100,000	144/ 100,000	Not Met	45 th
Reduce the overall cancer death rate.	2007	158.6/ 100,000	187.3/ 100,000	178.4/ 100,000	Not Met	34 th
Reduce deaths from HIV infections.	2007	0.7/ 100,000	1.8/ 100,000	3.7/ 100,000	Not Met	14 th
Reduce gonorrhea rate.	2009	19/ 100,000	147/ 100,000	99.1/ 100,000	Not Met	43 rd
Eliminate sustained domestic transmission of primary and secondary syphilis.	2009	0.2/ 100,000	2.3/ 100,000	4.6/ 100,000	Not Met	21 st
Reduce tobacco use- cigarette smoking- by adults.	2009	12%	19.6%	17.9%	Not Met	34 th
Increase the proportion of adults who engage in regular physical activity.	2009	50%	52%	51%	Met	20 th
Reduce adults engaging in binge drinking during past month.	2009	6%	17.1%	15.8%	Not Met	34 th
Reduce the proportion of adults who are obese.	2009	15%	30.3%	27.1%	Not Met	41 st
Increase the proportion of persons under 65 with health insurance.	2009	100%	84.5%	81.2%	Not Met	19 th
Increase the proportion of adults who receive a colorectal cancer screening examination- Sigmoidoscopy.	2008	50%	68.6%	62.2%	Met	12 th
Increase the proportion of adults 65+ who are vaccinated annually against influenza.	2009	90%	70.1%	68.9%	Not Met	31 st
Increase the proportion of children 19-35 months who receive the recommended doses of 4:3:1:3:3:1:4 vaccines.	2009	80%*	76.5%	70.5%	Not Met	5 th
Reduce homicide rate.	2007	2.8/ 100,000	6.7/ 100,000	6.1/ 100,000	Not Met	40 th

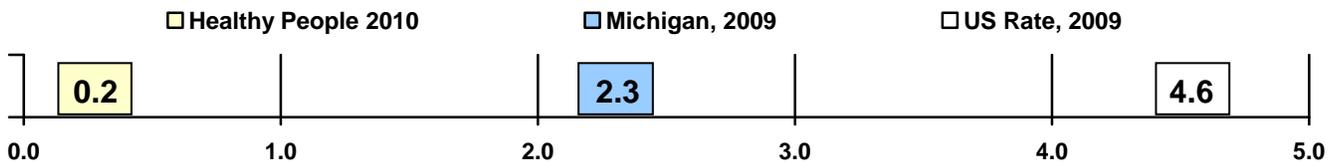
*Uses the HP 2020 target







Eliminate Sustained Domestic Transmission of Primary and Secondary Syphilis



This graph represents Michigan's age-adjusted rate of primary and secondary syphilis per 100,000 people in 2009 in comparison to the US rate and the HP 2010 goal. Primary syphilis occurs when the infection is passed through skin to skin contact, while secondary syphilis occurs when the infection enters the bloodstream. The HP 2010 target is for no more than 0.2 out of 100,000 of the population to contract primary or secondary syphilis. In 2009, 2.3 out of 100,000 of Michigan's population contracted syphilis. The STD Surveillance System compared the 50 states and found that South Dakota, Alaska and Vermont ranked 1st in having the lowest rate of syphilis at 0.0 out of 100,000, while Michigan ranked 21st in 2009. Michigan's syphilis rate has dropped since 2002 and remains below the US rate.

Action Needed to Meet HP 2010 Target

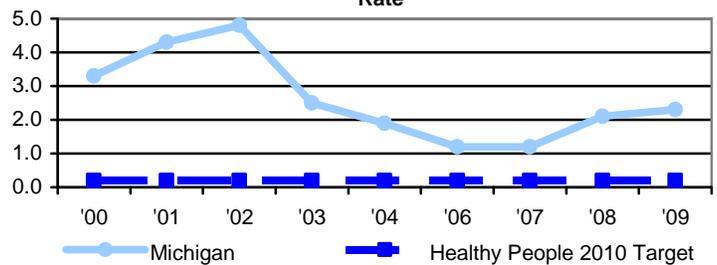


Reduce Michigan's primary and secondary syphilis rate by 2.1 out of 100,000.

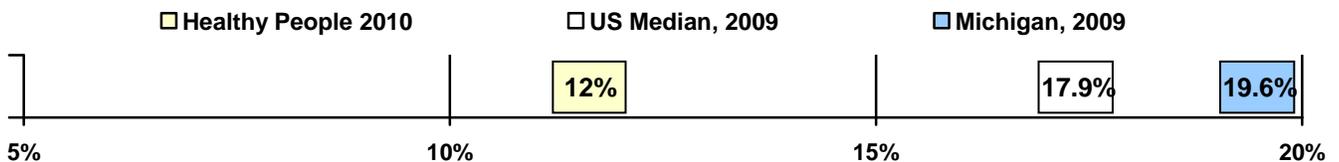
State Rankings

- *South Dakota, Alaska and Vermont* ranked 1st in 2009 for having the lowest primary and secondary syphilis rate (0.0/100,000).
- *Michigan* ranked 21st in 2009 with a 2.3/100,000 primary and secondary syphilis rate.

Trend of Michigan's Primary and Secondary Syphilis Rate



Reduce Tobacco Use- Cigarette Smoking- by Adults



This graph represents the percentage of Michigan's adult population, 18 and older, in 2009 who were current cigarette smokers, compared to the US median and the HP 2010 goal. The HP 2010 target is for no more than 12% of the adult population to smoke cigarettes. In 2009, 19.6% of Michigan's adults smoked cigarettes. The US CDC BRFSS compared the 50 states and D.C. and found that Utah ranked 1st in having the lowest rate of adult cigarette smokers at 9.8%, while Michigan ranked 34th in 2009. From 1999 to 2009, Michigan's rate of current smokers has been declining, with its lowest percentage of current adult smokers in 2009.

Action Needed to Meet HP 2010 Target

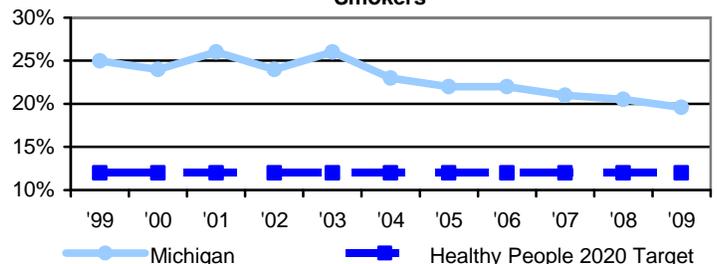


Decrease % of Michigan adults who smoke cigarettes by 7.6%.

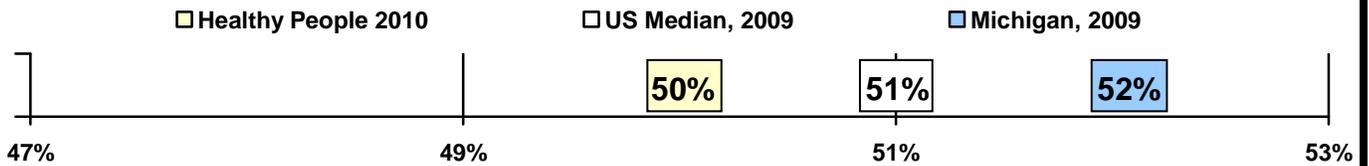
State Rankings

- *Utah* ranked 1st in 2009 for having the lowest rate of adults smoking cigarettes (9.8%).
- *Michigan* ranked 34th in 2009 with 19.6% of their adults smoking cigarettes.

Trend of Michigan Adults Who Are Current Cigarette Smokers



Increase the Proportion of Adults Who Engage in Regular Physical Activity



This graph represents the percentage of Michigan's population age 18 and older, who, in 2009, engaged in 30+ minutes of moderate physical activity 5+ days per week or vigorous physical activity for 20+ minutes, 3+ days per week, compared to the US median and the HP 2010 goal. The HP 2010 target is for 50% or more of those 18 and older to engage in regular physical activity. In 2009, 52% of Michigan's population age 18 and older engaged in regular physical activity. The US CDC BRFSS compared the 50 states and D.C. and found that Alaska ranked 1st in having the highest rate of regular physical activity at 60.7%, while Michigan ranked 20th in 2009. From 2001 to 2009, Michigan's proportion of adults who engage in regular physical activity has been increasing, and has risen above the HP 2010 target.

Action Needed to Meet HP 2010 Target

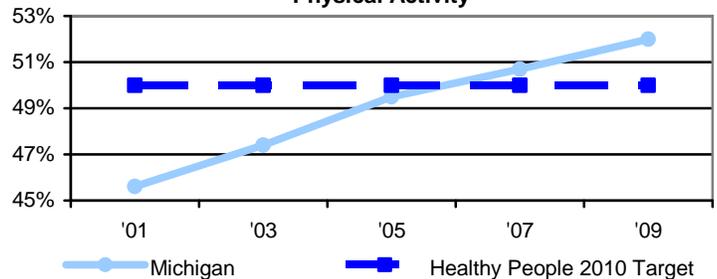


The % of Michigan's adults engaging in regular physical activity is now 2% above the target.

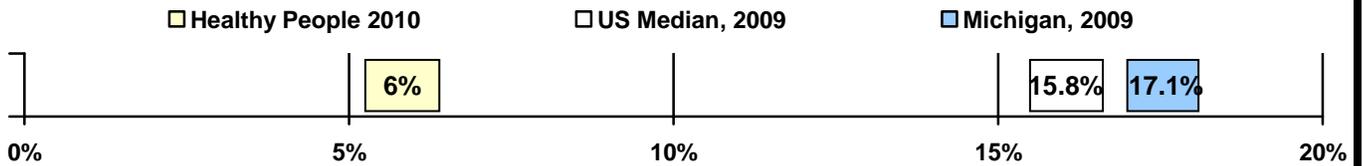
State Rankings

- Alaska ranked 1st in 2009 for having the highest rate of people engaging in regular physical activity (60.7%).
- Michigan ranked 20th in 2009 with 52% of their adults engaging in regular physical activity.

Trend of Michigan Adults Who Engage in Regular Physical Activity



Reduce Adults Engaging in Binge Drinking During Past Month



This graph represents the percentage of Michigan's adults who have engaged in binge drinking in the past month in 2009, compared to the US median and the HP 2010 goal. Binge drinking is defined as males having five or more drinks on at least one occasion and females having four or more drinks on at least one occasion in the past month. The HP 2010 target is for no more than 6% of adults to binge drink. In 2009, 17.1% of Michigan's adults engaged in binge drinking. The US CDC BRFSS compared the states and found that Tennessee ranked 1st in having the lowest rate of adults engaging in binge drinking at 6.8%, while Michigan ranked 34th in 2009. The rate of Michigan adults engaging in binge drinking has been between 15% and 20% from 1999 to 2009.

Action Needed to Meet HP 2010 Target

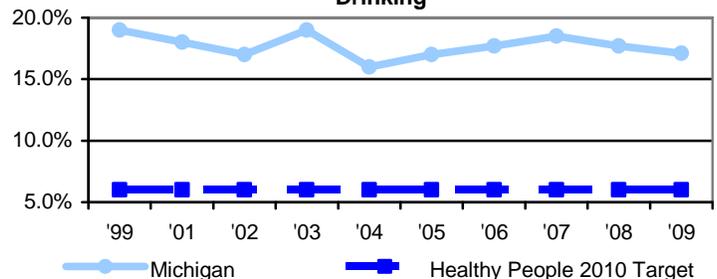


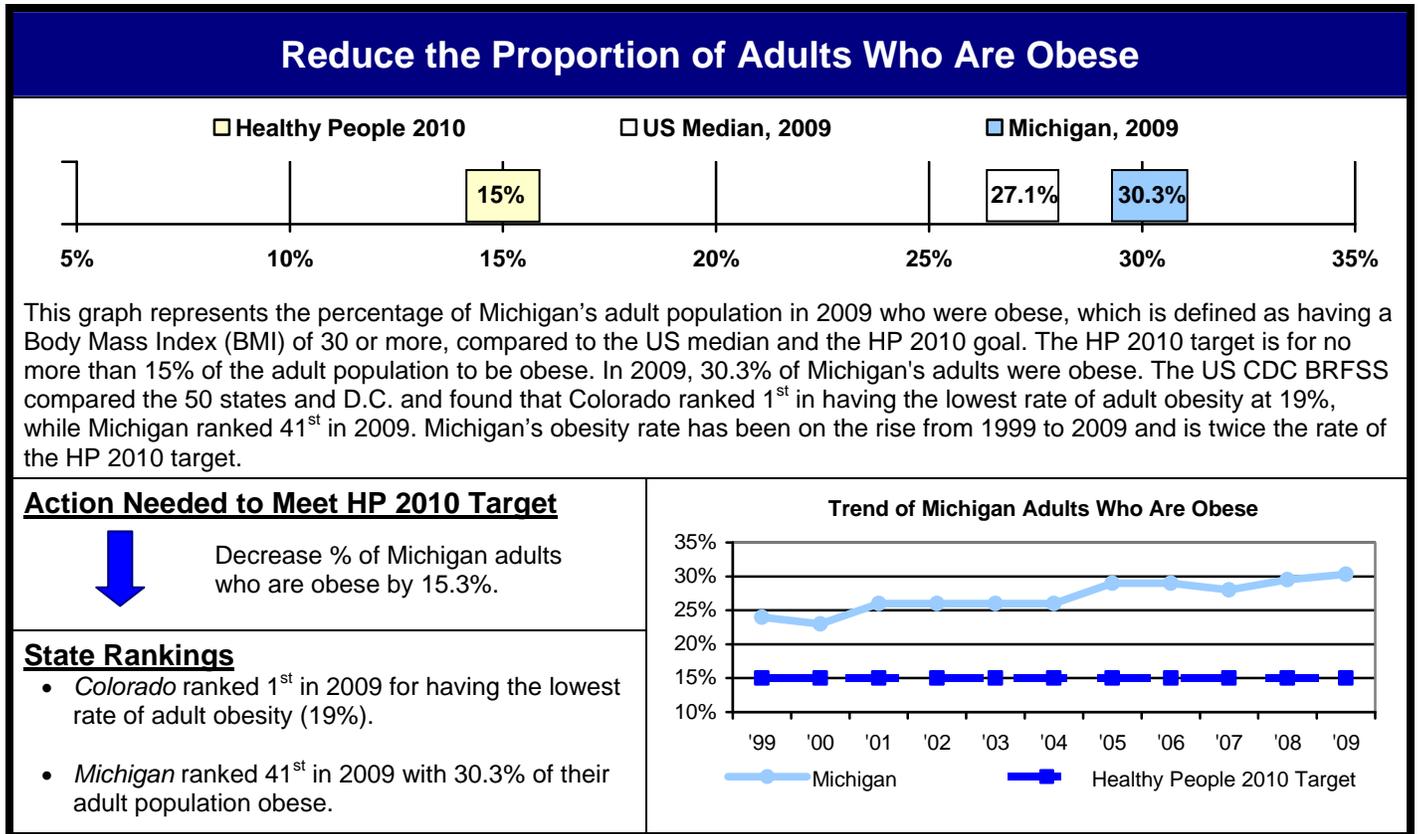
Decrease % of Michigan adults who engaged in binge drinking in the past month by 11.1%.

State Rankings

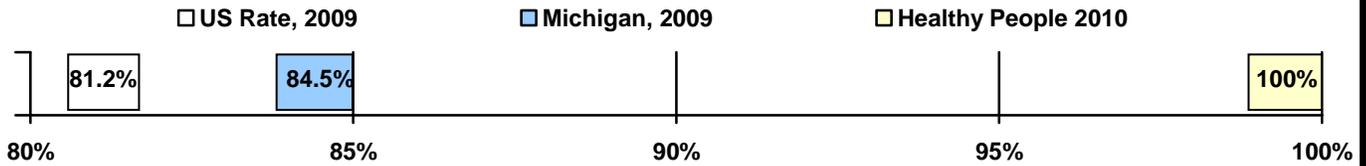
- Tennessee ranked 1st in 2009 for having the lowest rate of adults who engaged in binge drinking in the past month (6.8%).
- Michigan ranked 34th in 2009 with 17.1% of their adults engaging in binge drinking in the past month.

Trend of Michigan Adults Who Engage in Binge Drinking





Increase the Proportion of Persons Under 65 With Health Insurance



This graph represents the percentage of Michigan's population in 2009 who have health insurance compared to the US rate and the HP 2010 goal. The HP 2010 target is for 100% of the population to be insured. In 2009, 84.5% of Michigan's population was insured. The US Census Bureau's Current Population Survey (CPS) compared the 50 states and D.C. and found that Massachusetts ranked 1st in having the highest rate of their population insured at 94.8%, while Michigan ranked 19th in 2009. From 2000 to 2009, Michigan's population with health insurance has slightly decreased.

Action Needed to Meet HP 2010 Target

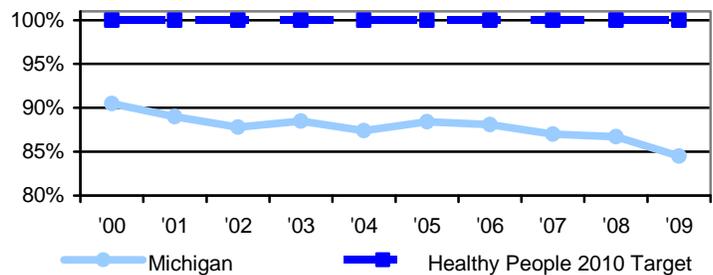


Increase the % of Michigan's population with health insurance by 15.5%.

State Rankings

- *Massachusetts* ranked 1st in 2009 for having the highest rate of persons with health insurance (94.8%).
- *Michigan* ranked 19th in 2009 with 84.5% of their population under 65 with health insurance.

Trend of Michigan's Population With Health Insurance



Increase the Proportion of Adults 50+ Who Receive a Colorectal Cancer Screening Examination- Sigmoidoscopy



This graph represents the percentage of Michigan adults, ages 50 and older, in 2008 who have ever received a sigmoidoscopy, a colorectal cancer screening examination, compared to the US median and the HP 2010 goal. The HP 2010 target is for at least 50% of adults age 50 and older to receive a sigmoidoscopy. In 2008, 68.6% of Michigan adults had received a sigmoidoscopy. The US CDC BRFSS compared the 50 states and D.C. and found that Delaware ranked 1st in having the highest rate of adults receiving sigmoidoscopies at 74.3%, while Michigan ranked 12th in 2008. For the past nine years, Michigan has been above the HP 2010 target and steadily increasing above this target.

Action Needed to Meet HP 2010 Target

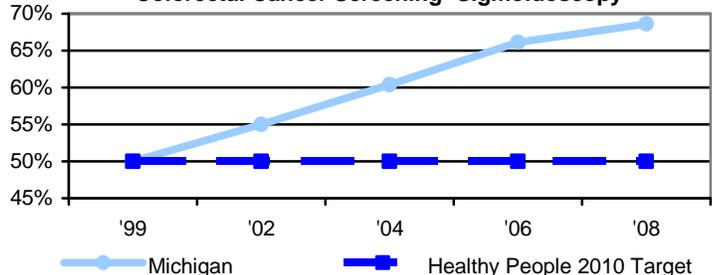


The % of Michigan's adults receiving sigmoidoscopies is now 18.6% **above** the target.

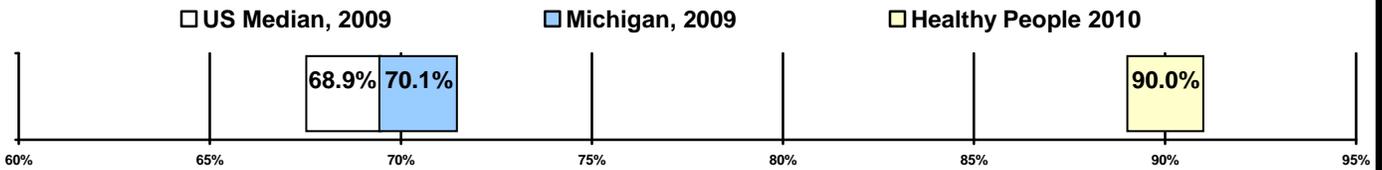
State Rankings

- *Delaware* ranked 1st in 2008 for having the highest rate of adults to have a sigmoidoscopy (74.3%).
- *Michigan* ranked 12th in 2008 with 68.6% of their adults receiving a sigmoidoscopy.

Trend of Michigan Adults 50+ Who Received a Colorectal Cancer Screening- Sigmoidoscopy



Increase the Proportion of Adults 65+ Who Are Vaccinated Annually Against Influenza



This graph represents the percentage of Michigan adults, ages 65 and older, in 2009 that were vaccinated in the previous year against influenza compared to the US median and the HP 2010 goal. The HP 2010 target is for at least 90% of older adults to be vaccinated annually against influenza. In 2009, 70.1% of Michigan older adults were vaccinated against influenza. The US CDC BRFSS compared the 50 states and D.C. and found that Minnesota ranked 1st in having the highest rate of older adults vaccinated against influenza at 76.8%, while Michigan ranked 31st in 2009. Michigan's vaccinated elderly population has been increasing over the past nine years, but has hovered around 70% for the past three years. It has yet to increase to the HP 2010 target of 90%.

Action Needed to Meet HP 2010 Target

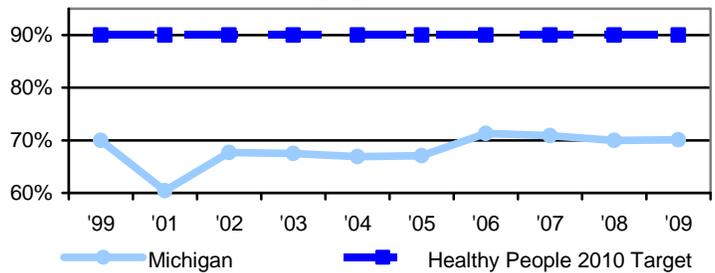


Increase the % of Michigan's older adults vaccinated annually against influenza by 20.0%.

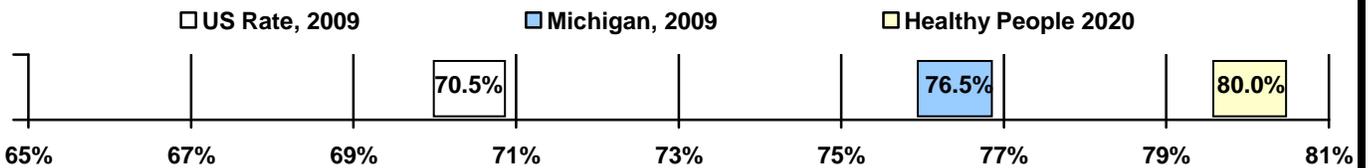
State Rankings

- *Minnesota* ranked 1st in 2009 for having the highest rate of older adults vaccinated against influenza (76.8%).
- *Michigan* ranked 31st in 2009 with 70.1% of their older adults vaccinated against influenza.

Trend of Michigan Adults 65+ Who Are Vaccinated Annually Against Influenza



Increase the Proportion of Children 19-35 Months Who Receive the Recommended Doses of 4:3:1:3:3:1:4 Vaccines



This graph represents the percentage of Michigan children, ages 19-35 months, in 2009 who have received the recommended doses of vaccines- 4 DTap, 3 Polio, 1 MMR, 3 Hib, 3 Hep B, 1 Varicella and 4 PCV (with Hib excluded), compared to the US rate and the HP 2020 goal. The HP 2020 target is for at least 80% of children to receive these vaccines. In 2009, 76.5% of Michigan children had received the recommended doses of these vaccines. The US National Immunization Survey compared the 50 states and D.C. and found that Iowa ranked 1st in having the highest rate of children receiving 4:3:1:3:3:1:4 vaccines (with Hib excluded) at 78.1%, while Michigan ranked 5th in 2009. In 2008, Michigan dropped below the HP 2020 target for the first time since 2001.

Action Needed to Meet HP 2020 Target



Increase the % of Michigan's children receiving 4:3:1:3:3:1:4 vaccines by 3.5%.

State Rankings

- *Iowa* ranked 1st in 2009 for having the highest rate of children receiving 4:3:1:3:3:1:4 vaccines (78.1%).
- *Michigan* ranked 5th in 2009 with 76.8% of their children receiving 4:3:1:3:3:1:4 vaccines.

Trend of Michigan Children 19-35 Months Who Receive the Recommended Doses of Vaccines

