

**Estimates for Risk Factors and Health Indicators  
State of Michigan**

**Selected Tables**

**Michigan Behavioral Risk Factor Survey  
2010**

Chronic Disease Epidemiology Unit  
Surveillance and Program Evaluation Section  
Division of Genomics, Perinatal Health, and Chronic Disease Epidemiology  
Bureau of Epidemiology  
Michigan Department of Community Health

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## Introduction

The Michigan Behavioral Risk Factor Survey (BRFS) is an annual, statewide telephone survey of Michigan adults aged 18 years and older that is conducted through a collaborative effort among the Behavioral Surveillance Branch (BSB) of the Centers for Disease Control and Prevention, the Michigan State University Institute for Public Policy and Social Research (IPPSR), and the Michigan Department of Community Health. Michigan BRFSS data contribute to the national [Behavioral Risk Factor Surveillance System](#) that is managed by BSB.

For the 2010 Michigan BRFSS, data were collected quarterly by IPPSR. The sample of telephone numbers that were utilized for data collection was selected using a list-assisted, random-digit-dialed methodology with a disproportionate stratification based on phone bank density, and whether or not the phone numbers were directory listed. In addition, census tracts with a high density of African Americans in the population were oversampled.

In 2010, the total sample size of completed interviews for the core survey was 8,863. Due to variability in response rates to individual questions and differences in specific sub-populations of interest for particular questions, not all estimates are based on a total sample size of 8,863. As a result of this, item-by-item sample sizes and population descriptions are included within each table.

State-specific, population-based prevalence estimates and asymmetric confidence intervals were calculated for indicators of health status, health risk behaviors, clinical preventive practices, and chronic conditions among the adult population in Michigan. These estimates were weighted to adjust for the probabilities of selection and a post-stratification weighting factor that adjusted for the distribution of Michigan adults by age, sex, and race/ethnicity at the state level. Respondents who refused to answer a question were removed from the denominator during the analysis of such questions. Those who responded "Don't Know/Not Sure" were also excluded from the denominator unless they accounted for more than one percent of the total responses. Analyses that included "Don't Know/Not Sure" in the denominator are indicated as such within the table footnotes. All analyses were performed in SAS-Callable SUDAAN®, a statistical computing program that was designed for complex sample surveys.

<b>Table 1: Health Status 2010 Michigan BRFSS</b>		
	<b>General Health, Fair or Poor<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>14.2</b>	<b>(13.3-15.2)</b>
<b>Age</b>		
18 – 24	8.7	(5.6-13.3)
25 – 34	10.0	(7.4-13.4)
35 – 44	10.8	(8.8-13.3)
45 – 54	13.0	(11.1-15.1)
55 – 64	18.0	(16.1-20.0)
65 – 74	19.2	(17.1-21.4)
75 +	28.3	(25.8-31.0)
<b>Gender</b>		
Male	13.0	(11.7-14.5)
Female	15.4	(14.1-16.8)
<b>Race/Ethnicity</b>		
White non-Hispanic	12.2	(11.2-13.2)
Black non-Hispanic	25.2	(21.6-29.2)
Other non-Hispanic	16.8	(12.3-22.6)
Hispanic	17.0	(10.6-26.0)
<b>Education</b>		
Less than high school	37.0	(31.1-43.4)
High school graduate	16.9	(15.1-18.8)
Some college	15.1	(13.3-17.0)
College graduate	7.0	(5.9-8.2)
<b>Household Income</b>		
< \$20,000	33.6	(30.1-37.4)
\$20,000 - \$34,999	19.5	(17.2-22.1)
\$35,000 - \$49,999	11.1	(9.0-13.7)
\$50,000 - \$74,999	8.6	(6.5-11.2)
\$75,000 +	5.2	(4.1-6.6)
<sup>a</sup> Among all adults, the proportion who reported that their health, in general, was either fair or poor. (N = 8,848)		

**Table 2: Health Status on at Least 14 Days in the Past Month  
2010 Michigan BRFSS**

	Poor Physical Health <sup>a</sup>		Poor Mental Health <sup>b</sup>		Activity Limitation <sup>c</sup>	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>10.8</b>	<b>(9.9-11.7)</b>	<b>10.7</b>	<b>(9.8-11.7)</b>	<b>7.4</b>	<b>(6.7-8.2)</b>
<b>Age</b>						
18 – 24	6.3	(3.7-10.6)	14.8	(10.7-20.0)	4.3	(2.2-8.5)
25 – 34	6.6	(4.6-9.5)	11.5	(8.6-15.1)	5.5	(3.5-8.6)
35 – 44	9.4	(7.4-11.9)	13.0	(10.7-15.8)	7.2	(5.4-9.5)
45 – 54	10.5	(8.9-12.4)	9.7	(8.3-11.2)	8.1	(6.7-9.8)
55 – 64	13.8	(12.1-15.6)	9.5	(8.2-11.0)	9.4	(8.1-11.0)
65 – 74	13.9	(12.1-16.0)	6.8	(5.6-8.3)	7.9	(6.5-9.6)
75 +	19.2	(17.0-21.6)	6.2	(4.9-7.8)	9.2	(7.7-11.0)
<b>Gender</b>						
Male	9.7	(8.4-11.1)	8.9	(7.5-10.5)	6.7	(5.6-8.0)
Female	11.9	(10.7-13.1)	12.4	(11.2-13.8)	8.1	(7.1-9.2)
<b>Race/Ethnicity</b>						
White non-Hispanic	10.4	(9.5-11.4)	10.4	(9.4-11.5)	6.5	(5.8-7.4)
Black non-Hispanic	13.0	(10.1-16.5)	11.6	(8.9-15.2)	12.4	(9.5-16.1)
Other non-Hispanic	10.5	(7.5-14.6)	10.4	(6.9-15.2)	8.9	(5.7-13.5)
Hispanic	11.3	(5.9-20.3)	14.7	(8.0-25.4)	6.7	(3.3-13.1)
<b>Education</b>						
Less than high school	20.8	(16.4-26.1)	25.5	(19.9-32.0)	17.0	(12.8-22.1)
High school graduate	12.0	(10.6-13.6)	10.0	(8.4-11.9)	8.5	(7.2-10.1)
Some college	13.6	(11.7-15.7)	13.1	(11.2-15.3)	8.5	(7.0-10.4)
College graduate	5.3	(4.5-6.4)	6.4	(5.3-7.7)	3.7	(3.0-4.5)
<b>Household Income</b>						
< \$20,000	23.0	(19.8-26.5)	21.6	(18.3-25.2)	21.1	(17.8-24.8)
\$20,000 - \$34,999	15.2	(13.0-17.6)	14.1	(11.7-16.8)	9.0	(7.3-11.1)
\$35,000 - \$49,999	11.1	(8.6-14.3)	10.0	(7.3-13.4)	6.4	(4.5-9.2)
\$50,000 - \$74,999	7.5	(5.7-9.7)	7.3	(5.3-10.0)	4.3	(3.1-6.2)
\$75,000 +	4.3	(3.3-5.6)	6.0	(4.7-7.6)	2.7	(1.9-3.7)

<sup>a</sup> Among all adults, the proportion who reported 14 or more days of poor physical health, which includes physical illness and injury, during the past 30 days. (N = 8,711)

<sup>b</sup> Among all adults, the proportion who reported 14 or more days of poor mental health, which includes stress, depression, and problems with emotions, during the past 30 days. (N = 8,756)

<sup>c</sup> Among all adults, the proportion who reported 14 or more days in the past 30 days in which either poor physical health or poor mental health kept respondents from doing their usual activities, such as self-care, work, and recreation. (N = 8,795)

**Table 3: Mean Number of Days of Poor Physical Health, Poor Mental Health, and Activity Limitations  
2010 Michigan BRFSS**

	Poor Physical Health <sup>a</sup>		Poor Mental Health <sup>b</sup>		Activity Limitation <sup>c</sup>	
	Mean # of Days	95% Confidence Interval	Mean # of Days	95% Confidence Interval	Mean # of Days	95% Confidence Interval
<b>Total</b>	<b>3.6</b>	<b>(3.4-3.8)</b>	<b>3.7</b>	<b>(3.4-3.9)</b>	<b>2.3</b>	<b>(2.1-2.5)</b>
<b>Age</b>						
18 - 24	2.5	(1.6-3.3)	5.1	(4.1-6.1)	1.6	(0.9-2.4)
25 - 34	2.5	(1.9-3.1)	4.4	(3.5-5.2)	1.8	(1.2-2.4)
35 - 44	3.1	(2.6-3.7)	4.2	(3.6-4.9)	2.2	(1.7-2.8)
45 - 54	3.6	(3.1-4.0)	3.4	(3.0-3.7)	2.4	(2.1-2.8)
55 - 64	4.4	(4.0-4.9)	3.2	(2.8-3.5)	2.7	(2.4-3.1)
65 - 74	4.3	(3.9-4.8)	2.2	(1.9-2.6)	2.3	(1.9-2.7)
75 +	5.8	(5.2-6.4)	2.1	(1.7-2.4)	2.8	(2.3-3.2)
<b>Gender</b>						
Male	3.3	(3.0-3.6)	3.1	(2.7-3.4)	2.1	(1.8-2.4)
Female	3.9	(3.6-4.2)	4.2	(3.9-4.5)	2.5	(2.2-2.7)
<b>Race/Ethnicity</b>						
White non-Hispanic	3.5	(3.3-3.7)	3.5	(3.3-3.8)	2.0	(1.9-2.2)
Black non-Hispanic	4.3	(3.5-5.2)	4.4	(3.5-5.2)	3.6	(2.8-4.5)
Other non-Hispanic	3.4	(2.5-4.2)	3.6	(2.5-4.7)	2.7	(1.8-3.6)
Hispanic	3.5	(2.0-4.9)	4.4	(2.8-6.0)	1.8	(0.7-2.9)
<b>Education</b>						
Less than high school	6.2	(5.0-7.3)	7.0	(5.6-8.5)	5.3	(4.0-6.6)
High school graduate	4.0	(3.6-4.4)	3.5	(3.1-3.9)	2.4	(2.1-2.8)
Some college	4.3	(3.8-4.9)	4.5	(4.0-5.0)	2.6	(2.1-3.0)
College graduate	2.1	(1.9-2.4)	2.4	(2.2-2.7)	1.3	(1.1-1.5)
<b>Household Income</b>						
< \$20,000	7.0	(6.1-7.9)	6.8	(6.0-7.7)	5.7	(4.8-6.5)
\$20,000 - \$34,999	4.7	(4.1-5.3)	4.4	(3.8-5.0)	2.7	(2.3-3.2)
\$35,000 - \$49,999	3.8	(3.1-4.6)	3.3	(2.5-4.0)	2.2	(1.5-2.8)
\$50,000 - \$74,999	2.7	(2.2-3.2)	2.9	(2.4-3.4)	1.5	(1.1-1.9)
\$75,000 +	1.8	(1.6-2.1)	2.4	(2.1-2.8)	1.0	(0.8-1.2)

<sup>a</sup> Among all adults, the mean number of days during the past 30 days in which physical health, including illness and injury, was not good. (N = 8,711)

<sup>b</sup> Among all adults, the mean number of days during the past 30 days in which mental health, including stress, depression, and problems with emotions, was not good. (N = 8,756)

<sup>c</sup> Among all adults, the mean number of days during the past 30 days in which poor physical health or poor mental health kept the respondent from doing usual activities, such as self-care, work, or recreation. (N = 8,795)

<b>Table 4: Life Satisfaction 2010 Michigan BRFSS</b>		
	<b>Dissatisfied or Very Dissatisfied With Life<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>6.1</b>	<b>(5.3-7.0)</b>
<b>Age</b>		
18 – 24	4.9	(2.7-8.8)
25 – 34	11.0	(7.5-15.9)
35 – 44	7.4	(5.5-9.8)
45 – 54	6.3	(5.1-7.7)
55 – 64	5.2	(4.2-6.4)
65 – 74	2.8	(2.1-3.7)
75 +	2.7	(2.0-3.8)
<b>Gender</b>		
Male	7.1	(5.8-8.7)
Female	5.1	(4.3-6.1)
<b>Race/Ethnicity</b>		
White non-Hispanic	5.3	(4.5-6.1)
Black non-Hispanic	9.4	(6.6-13.2)
Other non-Hispanic	9.1	(4.9-16.3)
Hispanic	8.4	(3.6-18.5)
<b>Education</b>		
Less than high school	10.4	(7.2-14.7)
High school graduate	6.4	(5.1-8.0)
Some college	7.4	(5.8-9.3)
College graduate	3.9	(2.8-5.4)
<b>Household Income</b>		
< \$20,000	15.5	(12.5-18.9)
\$20,000 - \$34,999	7.4	(5.7-9.6)
\$35,000 - \$49,999	7.2	(4.4-11.4)
\$50,000 - \$74,999	3.5	(2.2-5.5)
\$75,000 +	2.1	(1.3-3.3)
<sup>a</sup> Among all adults, the proportion who reported either "Dissatisfied" or "Very Dissatisfied" to the following question: "In general, how satisfied are you with life?" (N = 8,639)		

<b>Table 5: Social and Emotional Support 2010 Michigan BRFSS</b>		
	<b>Rarely or Never Receive the Social and Emotional Support that is Needed<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>6.5</b>	<b>(5.8-7.2)</b>
<b>Age</b>		
18 – 24	5.2	(2.8-9.3)
25 – 34	5.7	(3.7-8.7)
35 – 44	5.5	(4.1-7.3)
45 – 54	5.7	(4.5-7.2)
55 – 64	6.0	(4.9-7.4)
65 – 74	6.8	(5.5-8.4)
75 +	14.7	(12.6-17.0)
<b>Gender</b>		
Male	6.9	(5.9-8.0)
Female	6.0	(5.1-7.1)
<b>Race/Ethnicity</b>		
White non-Hispanic	5.4	(4.7-6.2)
Black non-Hispanic	10.1	(7.7-13.0)
Other non-Hispanic	11.3	(7.6-16.7)
Hispanic	6.4	(3.4-11.8)
<b>Education</b>		
Less than high school	16.5	(12.3-21.8)
High school graduate	7.2	(6.0-8.7)
Some college	6.4	(5.1-8.0)
College graduate	4.0	(3.2-5.1)
<b>Household Income</b>		
< \$20,000	16.6	(13.3-20.4)
\$20,000 - \$34,999	8.5	(7.1-10.3)
\$35,000 - \$49,999	4.5	(3.4-6.0)
\$50,000 - \$74,999	3.1	(2.2-4.5)
\$75,000 +	2.7	(2.0-3.8)
<sup>a</sup> Among all adults, the proportion who reported either “Rarely” or “Never” to the following question: “How often do you get the social and emotional support you need?” (N = 8,571)		

**Table 6: Disability  
2010 Michigan BRFSS**

	Total Disability <sup>a</sup>		Any Activity Limitation <sup>b</sup>		Used Special Equipment <sup>c</sup>	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>24.5</b>	<b>(23.3-25.7)</b>	<b>22.6</b>	<b>(21.5-23.8)</b>	<b>8.0</b>	<b>(7.4-8.6)</b>
<b>Age</b>						
18 - 24	10.0	(7.0-14.1)	10.0	(7.0-14.1)	0.8	(0.3-2.3)
25 - 34	15.9	(12.3-20.4)	15.0	(11.5-19.4)	3.6	(2.1-6.1)
35 - 44	18.4	(15.7-21.4)	16.9	(14.4-19.9)	4.4	(3.3-6.0)
45 - 54	26.4	(23.9-29.0)	25.5	(23.1-28.1)	7.2	(5.9-8.8)
55 - 64	33.4	(31.1-35.7)	31.2	(28.9-33.5)	11.3	(9.8-13.0)
65 - 74	34.4	(31.9-37.0)	31.7	(29.2-34.3)	13.1	(11.4-15.1)
75 +	42.5	(39.6-45.3)	34.8	(32.1-37.6)	24.4	(22.1-26.9)
<b>Gender</b>						
Male	23.3	(21.4-25.2)	21.5	(19.8-23.4)	7.1	(6.2-8.2)
Female	25.6	(24.1-27.1)	23.7	(22.2-25.1)	8.8	(8.0-9.6)
<b>Race/Ethnicity</b>						
White non-Hispanic	24.7	(23.4-26.0)	23.0	(21.7-24.3)	7.3	(6.7-8.0)
Black non-Hispanic	28.2	(24.4-32.3)	25.1	(21.5-29.2)	13.5	(11.1-16.4)
Other non-Hispanic	19.3	(14.8-24.7)	17.7	(13.4-23.0)	6.1	(4.1-9.1)
Hispanic	15.8	(9.9-24.4)	14.8	(8.9-23.4)	4.5	(2.4-8.3)
<b>Education</b>						
Less than high school	33.0	(27.6-38.8)	29.9	(24.8-35.7)	13.1	(10.4-16.5)
High school graduate	27.3	(25.1-29.6)	25.2	(23.1-27.5)	9.8	(8.6-11.1)
Some college	26.9	(24.6-29.3)	25.0	(22.7-27.3)	8.7	(7.5-10.0)
College graduate	18.1	(16.5-19.9)	16.8	(15.2-18.5)	4.9	(4.1-5.8)
<b>Household Income</b>						
< \$20,000	41.6	(37.8-45.4)	38.9	(35.2-42.7)	17.9	(15.6-20.5)
\$20,000 - \$34,999	29.2	(26.4-32.2)	26.7	(24.0-29.5)	11.4	(9.8-13.3)
\$35,000 - \$49,999	26.1	(22.8-29.7)	24.3	(21.1-27.8)	7.6	(6.1-9.4)
\$50,000 - \$74,999	19.7	(17.0-22.8)	17.9	(15.3-20.9)	4.8	(3.6-6.3)
\$75,000 +	14.5	(12.6-16.6)	13.6	(11.7-15.6)	2.9	(2.1-4.0)

<sup>a</sup> Among all adults, the proportion who reported being limited in any activities because of physical, mental, or emotional problems, or reported that they required use of special equipment (such as a cane, a wheelchair, a special bed, or a special telephone) due to a health problem. (N = 8,845)

<sup>b</sup> Among all adults, the proportion who reported being limited in any activities because of physical, mental, or emotional problems. (N = 8,840)

<sup>c</sup> Among all adults, the proportion who reported that they required use of special equipment (such as a can, a wheelchair, a special bed, or a special telephone) due to a health problem. (N = 8,859)

**Table 7: Weight Status  
2010 Michigan BRFSS**

	Obese <sup>a</sup>		Overweight <sup>b</sup>		Not Overweight or Obese <sup>c</sup>	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>31.7</b>	<b>(30.3-33.1)</b>	<b>35.1</b>	<b>(33.7-36.6)</b>	<b>33.2</b>	<b>(31.7-34.7)</b>
<b>Age</b>						
18 - 24	17.6	(13.4-22.8)	24.0	(18.9-30.1)	58.3	(51.8-64.5)
25 - 34	37.6	(32.3-43.2)	28.9	(24.1-34.2)	33.5	(28.8-38.5)
35 - 44	33.8	(30.3-37.5)	35.4	(32.0-39.0)	30.8	(27.5-34.3)
45 - 54	33.6	(31.0-36.4)	38.1	(35.3-40.9)	28.3	(25.8-30.9)
55 - 64	38.0	(35.6-40.5)	37.8	(35.4-40.3)	24.2	(22.1-26.4)
65 - 74	31.3	(28.8-33.8)	41.4	(38.7-44.1)	27.4	(25.0-29.9)
75 +	22.7	(20.3-25.3)	40.0	(37.2-42.9)	37.3	(34.5-40.1)
<b>Gender</b>						
Male	31.4	(29.3-33.7)	40.9	(38.6-43.2)	27.7	(25.5-30.0)
Female	32.0	(30.2-33.8)	29.4	(27.6-31.1)	38.7	(36.7-40.7)
<b>Race/Ethnicity</b>						
White non-Hispanic	29.8	(28.3-31.3)	36.1	(34.5-37.7)	34.1	(32.5-35.7)
Black non-Hispanic	45.3	(40.8-49.8)	28.8	(24.9-32.9)	26.0	(22.0-30.3)
Other non-Hispanic	28.1	(21.1-36.4)	34.5	(27.0-43.0)	37.3	(29.9-45.5)
Hispanic	36.4	(26.7-47.4)	31.2	(22.1-42.1)	32.3	(22.9-43.4)
<b>Education</b>						
Less than high school	37.1	(30.9-43.7)	31.2	(25.9-37.0)	31.7	(25.9-38.2)
High school graduate	35.0	(32.3-37.7)	35.2	(32.6-38.0)	29.8	(27.2-32.6)
Some college	34.2	(31.5-36.9)	32.3	(29.8-34.9)	33.5	(30.7-36.5)
College graduate	25.7	(23.6-27.9)	38.1	(35.7-40.6)	36.2	(33.8-38.7)
<b>Household Income</b>						
< \$20,000	38.3	(34.5-42.3)	31.4	(27.8-35.2)	30.2	(26.4-34.4)
\$20,000 - \$34,999	36.8	(33.4-40.4)	31.6	(28.4-34.9)	31.6	(28.1-35.3)
\$35,000 - \$49,999	33.0	(29.4-36.8)	36.3	(32.5-40.3)	30.7	(26.9-34.7)
\$50,000 - \$74,999	34.2	(30.6-38.1)	35.3	(31.7-39.1)	30.4	(27.0-34.0)
\$75,000 +	26.1	(23.5-28.9)	37.9	(35.1-40.8)	36.0	(33.1-38.9)

Note: BMI, body mass index, is defined as weight (in kilograms) divided by height (in meters) squared [weight in kg/(height in meters)<sup>2</sup>]. Weight and height were self-reported. Pregnant women were excluded. (N = 8,559)

<sup>a</sup> Among all adults, the proportion of respondents whose BMI was greater than or equal to 30.0.

<sup>b</sup> Among all adults, the proportion of respondents whose BMI was greater than or equal to 25.0, but less than 30.0.

<sup>c</sup> Among all adults, the proportion of respondents whose BMI was less than 25.0.

**Table 8: Health Care Access  
2010 Michigan BRFSS**

	No Health Care Coverage <sup>a</sup> (Among 18 - 64 year olds)		No Personal Health Care Provider <sup>b</sup>		No Health Care Access During Past 12 Months Due to Cost <sup>c</sup>	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>16.6</b>	<b>(15.1-18.1)</b>	<b>12.5</b>	<b>(11.4-13.7)</b>	<b>14.1</b>	<b>(13.0-15.3)</b>
<b>Age</b>						
18 - 24	28.4	(23.0-34.6)	22.4	(17.7-28.0)	17.4	(13.1-22.8)
25 - 34	20.5	(16.4-25.3)	24.8	(20.4-29.9)	20.1	(16.2-24.6)
35 - 44	15.8	(13.1-19.0)	14.7	(12.0-17.7)	18.1	(15.3-21.3)
45 - 54	13.7	(11.8-15.8)	10.1	(8.4-12.1)	15.4	(13.5-17.5)
55 - 64	8.8	(7.5-10.3)	6.0	(5.0-7.2)	10.6	(9.2-12.2)
65 - 74	---	---	3.3	(2.5-4.4)	4.3	(3.4-5.4)
75 +	---	---	2.8	(2.0-3.9)	4.1	(3.1-5.5)
<b>Gender</b>						
Male	18.7	(16.5-21.1)	17.3	(15.4-19.4)	12.0	(10.4-13.8)
Female	14.5	(12.7-16.5)	8.0	(6.9-9.3)	16.0	(14.5-17.7)
<b>Race/Ethnicity</b>						
White non-Hispanic	14.5	(13.0-16.1)	11.2	(10.0-12.4)	12.1	(11.0-13.3)
Black non-Hispanic	21.7	(17.6-26.4)	18.0	(14.4-22.4)	21.6	(17.7-26.0)
Other non-Hispanic	23.5	(16.7-32.1)	12.6	(8.0-19.1)	20.1	(14.5-27.1)
Hispanic	29.4	(19.5-41.9)	22.9	(14.2-34.7)	20.0	(12.3-30.9)
<b>Education</b>						
Less than high school	26.6	(19.2-35.7)	20.5	(15.0-27.4)	23.8	(18.2-30.5)
High school graduate	25.6	(22.3-29.0)	15.4	(13.2-17.9)	14.4	(12.5-16.5)
Some college	18.8	(16.3-21.7)	12.6	(10.6-14.9)	18.2	(15.9-20.6)
College graduate	6.0	(4.7-7.7)	8.5	(7.0-10.2)	8.3	(6.9-10.0)
<b>Household Income</b>						
< \$20,000	41.4	(36.4-46.6)	21.9	(18.2-26.1)	31.9	(28.0-36.1)
\$20,000 - \$34,999	31.7	(27.1-36.6)	15.3	(12.5-18.6)	22.3	(19.2-25.7)
\$35,000 - \$49,999	14.7	(11.4-18.7)	12.9	(9.9-16.5)	12.7	(9.9-16.1)
\$50,000 - \$74,999	5.9	(4.2-8.4)	7.8	(5.9-10.3)	9.2	(7.1-11.8)
\$75,000 +	2.5	(1.6-3.9)	6.8	(5.3-8.7)	3.3	(2.4-4.5)

<sup>a</sup> Among adults aged 18-64 years, the proportion who reported having no health care coverage, including health insurance, prepaid plans such as HMOs, or government plans, such as Medicare. (N = 5,565)

<sup>b</sup> Among all adults, the proportion who reported that they did not have anyone that they thought of as their personal doctor or health care provider. (N = 8,844)

<sup>c</sup> Among all adults, the proportion who reported that in the past 12 months, they could not see a doctor when they needed to due to the cost. (N = 8,847)

<b>Table 9: No Leisure-Time Physical Activity 2010 Michigan BRFSS</b>		
	<b>No Leisure-Time Physical Activity<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>23.6</b>	<b>(22.4-24.9)</b>
<b>Age</b>		
18 – 24	19.4	(14.6-25.1)
25 – 34	18.5	(14.8-23.0)
35 – 44	19.7	(16.9-22.8)
45 – 54	23.8	(21.4-26.4)
55 – 64	26.7	(24.5-28.9)
65 – 74	25.5	(23.2-27.9)
75 +	39.6	(36.8-42.5)
<b>Gender</b>		
Male	21.6	(19.7-23.5)
Female	25.6	(24.0-27.2)
<b>Race/Ethnicity</b>		
White non-Hispanic	22.5	(21.2-23.9)
Black non-Hispanic	29.9	(26.0-34.2)
Other non-Hispanic	24.2	(18.1-31.6)
Hispanic	22.3	(14.8-32.2)
<b>Education</b>		
Less than high school	45.6	(39.3-52.0)
High school graduate	31.8	(29.3-34.4)
Some college	23.0	(20.8-25.4)
College graduate	12.8	(11.3-14.5)
<b>Household Income</b>		
< \$20,000	37.7	(33.8-41.6)
\$20,000 - \$34,999	30.5	(27.4-33.7)
\$35,000 - \$49,999	21.7	(18.9-24.8)
\$50,000 - \$74,999	18.9	(16.1-22.1)
\$75,000 +	13.6	(11.7-15.7)
<sup>a</sup> Among all adults, the proportion who reported not participating in any leisure-time physical activities or exercises such as running, calisthenics, golf, gardening, or walking during the past month. (N = 8,859)		

**Table 10: Cigarette Smoking  
2010 Michigan BRFSS**

	Current Smoking <sup>a</sup>		Former Smoking <sup>b</sup>		Never Smoked	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>18.9</b>	<b>(17.7-20.2)</b>	<b>25.3</b>	<b>(24.2-26.5)</b>	<b>55.7</b>	<b>(54.3-57.2)</b>
<b>Age</b>						
18 – 24	19.6	(15.2-25.0)	3.7	(1.8-7.2)	76.7	(71.0-81.6)
25 – 34	29.0	(24.2-34.3)	16.6	(12.8-21.2)	54.4	(48.9-59.8)
35 – 44	20.7	(17.9-23.9)	16.4	(13.9-19.2)	62.9	(59.3-66.3)
45 – 54	21.8	(19.6-24.2)	26.2	(23.8-28.7)	52.0	(49.1-54.8)
55 – 64	17.0	(15.2-19.0)	37.9	(35.5-40.4)	45.1	(42.6-47.5)
65 – 74	9.3	(7.8-11.0)	48.9	(46.2-51.7)	41.8	(39.1-44.5)
75 +	6.6	(5.3-8.2)	42.2	(39.4-45.1)	51.2	(48.3-54.1)
<b>Gender</b>						
Male	21.0	(19.0-23.1)	27.7	(25.8-29.6)	51.4	(49.0-53.7)
Female	17.0	(15.6-18.5)	23.1	(21.7-24.6)	29.9	(28.0-31.7)
<b>Race/Ethnicity</b>						
White non-Hispanic	18.1	(16.8-19.4)	26.9	(25.6-28.2)	55.0	(53.4-56.6)
Black non-Hispanic	20.7	(17.2-24.8)	17.2	(14.7-20.1)	62.1	(57.7-66.2)
Other non-Hispanic	22.9	(16.7-30.5)	20.4	(14.7-27.6)	56.7	(48.6-64.4)
Hispanic	23.4	(14.9-34.7)	24.5	(17.2-33.5)	52.1	(41.3-62.7)
<b>Education</b>						
Less than high school	34.7	(28.7-41.2)	26.0	(21.4-31.3)	39.3	(33.0-46.0)
High school graduate	26.4	(23.9-29.1)	27.8	(25.6-30.1)	45.8	(43.0-48.7)
Some college	20.0	(17.9-22.3)	25.5	(23.3-27.7)	54.5	(51.7-57.3)
College graduate	8.4	(6.9-10.1)	22.9	(21.0-24.8)	68.8	(66.5-71.0)
<b>Household Income</b>						
< \$20,000	33.8	(30.0-37.9)	22.2	(19.6-25.1)	43.9	(39.9-48.0)
\$20,000 - \$34,999	25.7	(22.6-29.1)	28.4	(25.6-31.5)	45.8	(42.2-49.5)
\$35,000 - \$49,999	19.5	(16.2-23.3)	28.6	(25.5-31.9)	51.9	(47.9-55.9)
\$50,000 - \$74,999	14.0	(11.5-16.9)	27.9	(24.7-31.2)	58.2	(54.4-61.9)
\$75,000 +	11.0	(9.3-13.1)	23.8	(21.5-26.2)	65.2	(62.4-67.9)

<sup>a</sup> Among all adults, the proportion who reported that they had ever smoked at least 100 cigarettes (5 packs) in their life and that they smoke cigarettes now, either every day or on some days. (N = 8,840)

<sup>b</sup> Among all adults, the proportion who reported that they had ever smoked at least 100 cigarettes (5 packs) in their life, but they do not smoke cigarettes now. (N = 8,840)

<b>Table 11: Current Smokers Who Attempted to Quit 2010 Michigan BRFSS</b>		
	<b>Tried to Quit Smoking One Day or Longer in Past Year<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>62.3</b>	<b>(58.7-65.7)</b>
<b>Age</b>		
18 – 24	78.7	(66.2-87.5)
25 – 34	66.9	(56.4-75.8)
35 – 44	59.8	(51.6-67.4)
45 – 54	57.7	(51.7-63.4)
55 – 64	58.3	(52.2-64.1)
65 – 74	56.1	(47.2-64.7)
75 +	46.1	(35.4-57.2)
<b>Gender</b>		
Male	59.1	(53.7-64.3)
Female	66.1	(61.5-70.3)
<b>Race/Ethnicity</b>		
White non-Hispanic	59.8	(55.8-63.6)
Black non-Hispanic	77.3	(69.6-83.5)
Other non-Hispanic	64.4	(48.0-78.0)
Hispanic	-- <sup>b</sup>	---
<b>Education</b>		
Less than high school	61.6	(50.2-71.9)
High school graduate	60.9	(55.2-66.3)
Some college	63.9	(58.1-69.4)
College graduate	63.7	(54.0-72.4)
<b>Household Income</b>		
< \$20,000	65.8	(58.6-72.3)
\$20,000 - \$34,999	61.7	(54.4-68.5)
\$35,000 - \$49,999	67.0	(57.7-75.1)
\$50,000 - \$74,999	63.6	(53.3-72.8)
\$75,000 +	61.9	(52.7-70.4)

<sup>a</sup> Among current smokers, the proportion who reported that during the past 12 months, they had tried to quit smoking for one day or longer. (N = 1,469)

<sup>b</sup> The denominator in this subgroup was less than 50.

<b>Table 12: Smokeless Tobacco Use 2010 Michigan BRFSS</b>		
	<b>Current Smokeless Tobacco Use<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>2.6</b>	<b>(2.1-3.2)</b>
<b>Age</b>		
18 – 24	4.5	(2.6-7.6)
25 – 34	2.9	(1.6-5.4)
35 – 44	3.1	(2.0-4.8)
45 – 54	2.5	(1.8-3.6)
55 – 64	1.3	(0.9-2.0)
65 – 74	1.7	(1.0-2.9)
75 +	1.3	(0.8-2.2)
<b>Gender</b>		
Male	4.6	(3.7-5.8)
Female	0.6	(0.4-1.0)
<b>Race/Ethnicity</b>		
White non-Hispanic	2.7	(2.1-3.4)
Black non-Hispanic	1.4	(0.7-2.9)
Other non-Hispanic	3.8	(1.9-7.3)
Hispanic	1.4	(0.2-9.3)
<b>Education</b>		
Less than high school	4.6	(2.5-8.2)
High school graduate	3.2	(2.3-4.4)
Some college	2.5	(1.8-3.6)
College graduate	1.6	(1.0-2.6)
<b>Household Income</b>		
< \$20,000	3.5	(2.3-5.4)
\$20,000 - \$34,999	3.1	(2.0-4.8)
\$35,000 - \$49,999	1.0	(0.6-1.9)
\$50,000 - \$74,999	3.0	(1.8-4.8)
\$75,000 +	2.3	(1.5-3.6)

<sup>a</sup> Among all adults, the proportion who reported that they currently use chewing tobacco, snuff or snus, either every day or on some days. (N = 8,859)

<b>Table 13: Alcohol Consumption 2010 Michigan BRFSS</b>				
	<b>Heavy Drinking<sup>a</sup></b>		<b>Binge Drinking<sup>b</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>5.4</b>	<b>(4.7-6.2)</b>	<b>15.0</b>	<b>(13.9-16.2)</b>
<b>Age</b>				
18 – 24	7.2	(4.5-11.5)	20.3	(15.7-25.7)
25 – 34	4.3	(2.6-6.8)	20.3	(16.3-24.9)
35 – 44	5.4	(4.0-7.3)	19.1	(16.4-22.2)
45 – 54	6.8	(5.6-8.3)	15.2	(13.4-17.3)
55 – 64	5.5	(4.5-6.8)	12.3	(10.7-14.1)
65 – 74	3.9	(3.0-5.0)	6.2	(5.1-7.7)
75 +	2.5	(1.7-3.8)	2.9	(2.1-4.1)
<b>Gender</b>				
Male	5.7	(4.7-7.0)	19.0	(17.2-21.0)
Female	5.1	(4.3-6.1)	11.2	(10.0-12.6)
<b>Race/Ethnicity</b>				
White non-Hispanic	5.7	(5.0-6.6)	16.1	(14.8-17.4)
Black non-Hispanic	3.5	(1.9-6.2)	8.8	(6.6-11.6)
Other non-Hispanic	4.0	(2.0-7.6)	10.5	(6.5-16.7)
Hispanic	7.5	(3.1-16.8)	22.2	(13.8-33.6)
<b>Education</b>				
Less than high school	3.3	(1.6-6.6)	13.8	(9.3-19.8)
High school graduate	6.0	(4.8-7.5)	13.8	(13.8-18.1)
Some college	6.4	(5.0-8.0)	15.5	(13.4-17.7)
College graduate	4.5	(3.5-5.6)	14.1	(12.3-16.1)
<b>Household Income</b>				
< \$20,000	4.8	(3.1-7.3)	12.5	(9.7-15.9)
\$20,000 - \$34,999	5.4	(4.0-7.3)	13.8	(11.4-16.6)
\$35,000 - \$49,999	4.6	(3.4-6.2)	14.6	(12.0-17.6)
\$50,000 - \$74,999	5.4	(4.1-7.0)	17.0	(14.1-20.3)
\$75,000 +	7.4	(5.9-9.3)	18.6	(16.3-21.2)

<sup>a</sup> Among all adults, the proportion who reported consuming an average of more than two alcoholic drinks per day for men or more than one per day for women in the previous month. (N = 8,707)

<sup>b</sup> Among all adults, the proportion who reported consuming five or more drinks per occasion (for men) or 4 or more drinks per occasion (for women) at least once in the previous month. (N = 8,762)

<b>Table 14: Mean Number of Binge Drinking Occasions during the Past Month among Binge Drinkers 2010 Michigan BRFSS</b>		
	<b>Number of Binge Drinking Occasions<sup>a</sup></b>	
	<b>Mean</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>3.7</b>	<b>(3.4-4.0)</b>
<b>Age</b>		
18 – 24	4.1	(3.2-4.9)
25 – 34	3.2	(2.4-4.0)
35 – 44	3.2	(2.7-3.7)
45 – 54	4.0	(3.3-4.7)
55 – 64	4.6	(3.6-5.7)
65 – 74	4.4	(3.0-5.8)
75+	-- <sup>b</sup>	---
<b>Gender</b>		
Male	4.2	(3.8-4.7)
Female	2.9	(2.6-3.3)
<b>Race/Ethnicity</b>		
White non-Hispanic	3.7	(3.4-4.0)
Black non-Hispanic	2.7	(2.2-3.2)
Other non-Hispanic	-- <sup>b</sup>	---
Hispanic	-- <sup>b</sup>	---
<b>Education</b>		
Less than high school	-- <sup>b</sup>	---
High school graduate	4.1	(3.5-4.7)
Some college	3.9	(3.3-4.4)
College graduate	3.3	(2.8-3.7)
<b>Household Income</b>		
< \$20,000	3.6	(2.7-4.5)
\$20,000 - \$34,999	4.4	(3.5-5.2)
\$35,000 - \$49,999	3.6	(2.8-4.4)
\$50,000 - \$74,999	3.4	(2.8-4.0)
\$75,000 +	3.9	(3.3-4.5)
<sup>a</sup> Among adults who binge drank in the past month, the mean number of times during which five or more alcoholic beverages (for men) or four or more (for women) were consumed during the past month. (N = 973) <sup>b</sup> The denominator in this subgroup was less than 50.		

<b>Table 15: Drove Motor Vehicle After Drinking 2010 Michigan BRFSS</b>		
	<b>Drove Motor Vehicle After Drinking<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>2.3</b>	<b>(1.9-2.9)</b>
<b>Age</b>		
18 – 24	3.0	(1.6-5.7)
25 – 34	4.0	(2.3-7.0)
35 – 44	3.0	(2.0-4.5)
45 – 54	2.0	(1.4-2.9)
55 – 64	2.1	(1.4-2.9)
65 – 74	0.6	(0.3-1.1)
75 +	0.1	(0.0-0.4)
<b>Gender</b>		
Male	3.5	(2.7-4.6)
Female	1.1	(0.8-1.6)
<b>Race/Ethnicity</b>		
White non-Hispanic	2.4	(1.9-3.0)
Black non-Hispanic	2.2	(1.2-3.9)
Other non-Hispanic	1.3	(0.4-4.6)
Hispanic	2.4	(0.4-13.0)
<b>Education</b>		
Less than high school	1.5	(0.5-4.0)
High school graduate	2.1	(1.3-3.3)
Some college	2.7	(1.9-3.9)
College graduate	2.3	(1.6-3.2)
<b>Household Income</b>		
< \$20,000	1.1	(0.5-2.5)
\$20,000 - \$34,999	2.2	(1.3-3.7)
\$35,000 - \$49,999	2.4	(1.4-3.9)
\$50,000 - \$74,999	2.8	(1.8-4.3)
\$75,000 +	3.3	(2.3-4.8)
<sup>a</sup> Among all adults, the proportion who reported that they had driven when they'd had too much to drink at least once in the previous month. (N = 8,774)		

<b>Table 16: Seatbelt Use 2010 Michigan BRFSS</b>		
	<b>Always Uses a Seatbelt<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>90.0</b>	<b>(88.9-90.9)</b>
<b>Age</b>		
18 – 24	82.6	(77.3-86.8)
25 – 34	88.2	(84.3-91.3)
35 – 44	90.4	(87.7-92.6)
45 – 54	92.3	(90.6-83.8)
55 – 64	91.2	(89.6-92.6)
65 – 74	91.7	(90.1-93.1)
75 +	92.7	(91.1-94.1)
<b>Gender</b>		
Male	86.0	(84.1-87.6)
Female	93.8	(92.7-94.7)
<b>Race/Ethnicity</b>		
White non-Hispanic	90.8	(89.7-91.8)
Black non-Hispanic	87.4	(83.9-90.2)
Other non-Hispanic	84.8	(77.4-90.1)
Hispanic	87.2	(76.7-93.4)
<b>Education</b>		
Less than high school	88.2	(83.6-91.6)
High school graduate	87.8	(85.4-89.8)
Some college	88.8	(86.7-90.6)
College graduate	863.2	(91.8-94.4)
<b>Household Income</b>		
< \$20,000	89.6	(86.9-91.8)
\$20,000 - \$34,999	87.5	(84.2-90.2)
\$35,000 - \$49,999	89.4	(86.7-91.6)
\$50,000 - \$74,999	90.6	(87.8-92.8)
\$75,000 +	91.2	(89.2-92.9)

<sup>a</sup> Among all adults, the proportion who reported always using a seatbelt when driving or riding in a car. (N = 8,755)

<b>Table 17: Inadequate Sleep 2010 Michigan BRFSS</b>				
	<b>Days With Not Enough Rest or Sleep<sup>a</sup></b>		<b>Poor Rest or Sleep<sup>b</sup></b>	
	<b>Mean # of Days</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>8.7</b>	<b>(8.4-9.0)</b>	<b>28.2</b>	<b>(26.8-29.7)</b>
<b>Age</b>				
18 – 24	10.2	(8.9-11.5)	31.6	(25.8-38.0)
25 – 34	11.4	(10.3-12.5)	37.6	(32.7-42.7)
35 – 44	10.3	(9.5-11.0)	34.8	(31.4-38.4)
45 – 54	9.2	(8.6-9.8)	30.0	(27.4-32.7)
55 – 64	7.4	(7.0-7.9)	23.5	(21.5-25.7)
65 – 74	4.9	(4.4-5.3)	14.1	(12.3-16.2)
75 +	4.2	(3.7-4.7)	13.0	(11.2-15.1)
<b>Gender</b>				
Male	8.4	(7.9-8.9)	26.8	(24.7-29.1)
Female	9.0	(8.6-9.4)	29.6	(27.8-31.4)
<b>Race/Ethnicity</b>				
White non-Hispanic	8.6	(8.3-8.9)	27.8	(26.3-29.4)
Black non-Hispanic	8.6	(7.7-9.5)	28.7	(24.5-33.2)
Other non-Hispanic	9.1	(7.5-10.7)	29.5	(22.6-37.5)
Hispanic	11.4	(9.1-13.6)	35.2	(25.5-46.3)
<b>Education</b>				
Less than high school	10.1	(8.7-11.4)	36.2	(30.0-43.0)
High school graduate	8.4	(7.8-9.0)	26.9	(24.3-29.6)
Some college	9.6	(9.0-10.1)	31.1	(28.5-33.9)
College graduate	8.0	(7.6-8.4)	25.2	(23.0-27.5)
<b>Household Income</b>				
< \$20,000	10.4	(9.4-11.3)	36.4	(32.5-40.6)
\$20,000 - \$34,999	8.4	(7.6-9.2)	26.5	(23.4-29.9)
\$35,000 - \$49,999	8.6	(7.8-9.3)	28.0	(24.3-32.0)
\$50,000 - \$74,999	8.6	(7.8-9.3)	28.3	(24.8-32.1)
\$75,000 +	8.4	(7.8-8.9)	25.9	(23.3-28.6)

<sup>a</sup> Among all adults, the mean number of days during the past 30 days in which the respondent did not get enough rest or sleep. (N = 8,779)

<sup>b</sup> Among all adults, the proportion who reported 14 or more days of poor rest or sleep, during the past 30 days. (N = 8,779)

<b>Table 18: No Routine Checkup in Past Year 2010 Michigan BRFSS</b>		
	<b>Had No Routine Checkup in Past Year<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>34.1</b>	<b>(32.6-35.7)</b>
<b>Age</b>		
18 - 24	46.6	(40.4-53.0)
25 - 34	44.6	(39.3-50.1)
35 - 44	43.2	(39.6-46.9)
45 - 54	34.2	(31.5-37.0)
55 - 64	25.0	(22.9-27.2)
65 - 74	16.0	(14.2-18.1)
75 +	13.7	(11.8-15.8)
<b>Gender</b>		
Male	39.6	(37.3-42.1)
Female	28.9	(27.1-30.9)
<b>Race/Ethnicity</b>		
White non-Hispanic	35.5	(33.9-37.2)
Black non-Hispanic	27.3	(23.2-31.9)
Other non-Hispanic	32.6	(25.3-41.0)
Hispanic	30.5	(21.2-41.7)
<b>Education</b>		
Less than high school	33.8	(27.7-40.6)
High school graduate	33.2	(30.5-36.0)
Some college	37.1	(34.2-40.0)
College graduate	32.4	(29.9-35.0)
<b>Household Income</b>		
< \$20,000	40.2	(36.1-44.5)
\$20,000 - \$34,999	34.3	(30.8-37.8)
\$35,000 - \$49,999	34.7	(30.6-39.1)
\$50,000 - \$74,999	32.9	(29.3-36.7)
\$75,000 +	30.3	(27.6-33.2)
<sup>a</sup> Among all adults, the proportion who reported that they did not have a routine checkup in the past year. (N = 8,796)		

<b>Table 19: Clinical Breast Exam Indicators Among Women Aged 20 Years and Older 2010 Michigan BRFSS</b>				
	<b>Ever Had Clinical Breast Exam<sup>a</sup></b>		<b>Had Appropriately Timed Clinical Breast Exam<sup>b</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>93.7</b>	<b>(92.4-94.9)</b>	<b>69.9</b>	<b>(68.2-71.7)</b>
<b>Age</b>				
20 - 29	80.1	(72.1-86.3)	74.6	(66.3-81.5)
30 - 39	96.5	(93.3-98.1)	88.9	(85.0-91.8)
40 - 49	97.1	(95.1-98.3)	67.3	(63.3-71.1)
50 - 59	96.5	(94.6-97.8)	64.2	(60.8-67.5)
60 - 69	97.5	(96.2-98.3)	69.6	(66.5-72.4)
70 +	91.0	(89.4-92.4)	56.0	(53.1-59.0)
<b>Race/Ethnicity</b>				
White non-Hispanic	94.6	(93.1-95.7)	69.7	(67.8-71.6)
Black non-Hispanic	91.7	(86.9-94.9)	71.9	(66.6-76.6)
Other non-Hispanic	86.3	(75.4-92.8)	67.2	(56.7-76.3)
Hispanic	91.7	(81.1-96.6)	73.7	(61.2-83.2)
<b>Education</b>				
Less than high school	90.3	(86.4-93.1)	60.3	(52.2-67.9)
High school graduate	90.6	(87.9-92.7)	61.7	(58.4-64.8)
Some college	93.8	(90.5-96.0)	69.4	(65.9-72.6)
College graduate	96.9	(95.1-98.0)	79.0	(76.4-81.4)
<b>Household Income</b>				
< \$20,000	88.1	(83.1-91.8)	55.7	(50.7-60.7)
\$20,000 - \$34,999	90.8	(87.4-93.4)	64.7	(60.7-68.6)
\$35,000 - \$49,999	98.2	(96.2-99.1)	72.0	(67.7-76.0)
\$50,000 - \$74,999	97.2	(93.1-98.9)	76.6	(72.1-80.7)
\$75,000 +	97.4	(95.1-98.6)	81.0	(77.8-83.8)
<sup>a</sup> Among women aged 20 years and older, the proportion who reported ever having a clinical breast exam. (N = 5,280) <sup>b</sup> Among women aged 20 years and older, the proportion whose last clinical breast exam was within the previous three years for women age 20-39 years and within the previous year for women aged 40 years and older. (N = 5,214)				

**Table 20: Mammography Indicators Among Women Aged 40 Years and Older  
2010 Michigan BRFSS**

	Ever Had Mammogram <sup>a</sup>		Had Mammogram in Past Year <sup>b</sup>		Had Clinical Breast Exam and Mammogram in Past Year <sup>c</sup>	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>94.2</b>	<b>(93.1-95.2)</b>	<b>61.4</b>	<b>(59.6-63.2)</b>	<b>53.0</b>	<b>(51.1-54.8)</b>
<b>Age</b>						
40 - 49	88.0	(84.9-90.5)	55.4	(51.2-59.5)	50.0	(45.9-54.2)
50 - 59	95.8	(93.9-97.2)	60.8	(57.5-64.2)	53.7	(50.3-57.1)
60 - 69	98.5	(97.5-99.1)	68.2	(65.1-71.2)	60.4	(57.2-63.5)
70 +	97.3	(96.2-98.1)	64.7	(61.9-67.4)	49.3	(46.4-52.3)
<b>Race/Ethnicity</b>						
White non-Hispanic	94.2	(93.0-95.2)	61.0	(59.0-62.9)	52.6	(50.6-54.6)
Black non-Hispanic	94.3	(89.8-96.9)	65.1	(59.7-70.1)	55.5	(50.0-60.9)
Other non-Hispanic	95.8	(90.7-98.2)	61.1	(50.6-70.5)	52.3	(41.8-62.5)
Hispanic	91.4	(73.6-97.6)	59.9	(43.1-74.6)	53.4	(37.4-68.7)
<b>Education</b>						
Less than high school	90.6	(83.1-95.0)	50.0	(42.6-57.3)	35.5	(29.2-42.3)
High school graduate	83.8	(91.7-95.4)	58.5	(55.3-61.6)	48.2	(45.1-51.4)
Some college	94.4	(92.4-95.9)	62.0	(58.6-65.2)	53.2	(49.8-56.5)
College graduate	95.1	(93.0-96.5)	65.7	(62.5-68.9)	60.3	(57.0-63.5)
<b>Household Income</b>						
< \$20,000	90.5	(87.0-93.1)	50.1	(45.8-54.3)	39.0	(35.0-43.2)
\$20,000 - \$34,999	93.5	(90.3-95.6)	57.8	(53.7-61.8)	47.5	(43.5-51.5)
\$35,000 - \$49,999	94.8	(91.3-96.9)	62.1	(57.3-66.7)	53.0	(48.2-57.8)
\$50,000 - \$74,999	94.5	(91.2-96.5)	63.5	(58.3-68.4)	57.2	(52.0-62.3)
\$75,000 +	95.4	(92.8-97.1)	68.6	(64.5-72.4)	63.5	(59.3-67.4)

Note: Data included diagnostic tests.

<sup>a</sup> Among women aged 40 years and older, the proportion who reported ever having a mammogram. (4,632)

<sup>b</sup> Among women aged 40 years and older, the proportion who reported ever having a mammogram in the past year. (4,599)

<sup>c</sup> Among women aged 40 years and older, the proportion who reported ever having a clinical breast exam and a mammogram in the past year. (4,586)

**Table 21: Cervical Cancer Screening  
2010 Michigan BRFSS**

	Ever Had Pap Test <sup>a</sup>		Had Appropriately Timed Pap Test <sup>b</sup>	
	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>93.6</b>	<b>(92.0-95.0)</b>	<b>77.7</b>	<b>(75.9-79.3)</b>
<b>Age</b>				
18 - 29	71.4	(63.8-77.9)	68.8	(61.3-75.4)
30 - 39	98.6	(96.1-99.5)	93.3	(90.0-95.5)
40 - 49	99.0	(98.1-99.5)	87.7	(84.8-90.2)
50 - 59	98.6	(96.7-99.4)	81.0	(78.2-83.4)
60 - 69	99.0	(98.2-99.5)	76.2	(73.3-78.8)
70 +	96.2	(95.0-97.1)	52.6	(49.6-55.6)
<b>Race/Ethnicity</b>				
White non-Hispanic	93.8	(91.9-95.3)	76.7	(74.7-78.5)
Black non-Hispanic	97.2	(94.6-98.6)	85.4	(81.9-88.3)
Other non-Hispanic	83.7	(71.4-91.3)	71.9	(60.8-80.9)
Hispanic	94.2	(80.0-98.5)	87.7	(75.6-94.3)
<b>Education</b>				
Less than high school	88.4	(78.9-93.9)	64.5	(55.7-72.4)
High school graduate	91.8	(88.0-94.4)	68.3	(64.8-71.6)
Some college	92.8	(89.5-95.1)	79.0	(75.7-81.9)
College graduate	97.2	(94.7-98.5)	87.1	(84.8-89.2)
<b>Household Income</b>				
< \$20,000	93.4	(89.5-96.0)	69.1	(64.5-73.3)
\$20,000 - \$34,999	93.0	(87.9-96.0)	71.4	(66.9-75.5)
\$35,000 - \$49,999	93.5	(88.3-96.4)	75.8	(71.1-79.9)
\$50,000 - \$74,999	94.9	(88.9-97.8)	84.2	(79.2-88.2)
\$75,000 +	98.7	(96.2-99.6)	91.1	(88.6-93.0)

Note: Data included diagnostic tests.

<sup>a</sup> Among women aged 18 years and older, the proportion who reported ever having a Pap test. (N = 5,394)

<sup>b</sup> Among women aged 18 years and older, the proportion who reported having a Pap test within the previous three years. (N = 5,394)

**Table 22: Prostate Cancer Screening Among Men Aged 50 Years and Older  
2010 Michigan BRFSS**

	Ever Had DRE <sup>a</sup>		Had DRE in Past Year <sup>b</sup>		Ever Had PSA Test <sup>c</sup>		Had PSA Test in Past Year <sup>d</sup>	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>89.2</b>	<b>(87.3-90.8)</b>	<b>52.0</b>	<b>(49.5-54.5)</b>	<b>83.1</b>	<b>(81.0-85.1)</b>	<b>56.5</b>	<b>(53.9-59.0)</b>
<b>Age</b>								
50 - 59	84.1	(80.3-87.3)	45.5	(41.2-49.8)	72.9	(68.7-76.7)	42.2	(37.9-46.6)
60 - 69	94.1	(92.2-95.6)	59.6	(55.7-63.4)	90.9	(88.4-92.9)	69.1	(65.4-72.7)
70 +	92.1	(89.8-93.9)	54.4	(50.3-58.4)	91.6	(89.1-93.6)	66.4	(62.4-70.1)
<b>Race/Ethnicity</b>								
White non-Hispanic	91.1	(89.5-92.5)	53.7	(51.1-56.3)	84.4	(82.3-86.3)	57.7	(55.0-60.3)
Black non-Hispanic	87.3	(80.3-92.0)	47.3	(38.5-56.3)	85.5	(79.5-90.0)	57.1	(48.1-65.6)
Other non-Hispanic	78.4	(63.8-88.2)	48.4	(34.6-62.3)	74.1	(59.9-84.6)	48.0	(34.2-62.2)
Hispanic	-- <sup>e</sup>	---	-- <sup>e</sup>	---	-- <sup>e</sup>	---	-- <sup>e</sup>	---
<b>Education</b>								
< High school	81.4	(73.5-87.3)	46.9	(38.0-56.1)	76.8	(67.1-84.3)	47.6	(38.4-57.1)
High school graduate	83.1	(78.3-87.1)	44.3	(39.8-49.0)	74.6	(69.5-79.1)	46.4	(41.6-51.3)
Some college	89.6	(86.1-92.3)	53.8	(49.1-58.6)	84.6	(80.9-87.7)	59.0	(54.1-63.7)
College graduate	94.6	(92.5-96.2)	57.2	(53.2-61.2)	89.4	(86.5-91.7)	63.4	(59.3-67.2)
<b>Household Income</b>								
< \$20,000	77.7	(70.9-83.2)	35.3	(29.0-42.1)	71.2	(64.1-77.4)	42.9	(36.1-50.1)
\$20,000 - \$34,999	90.0	(86.4-92.8)	51.3	(46.1-56.5)	85.3	(80.9-88.7)	54.6	(49.2-59.8)
\$35,000 - \$49,999	88.5	(83.0-92.4)	48.7	(42.7-54.6)	79.6	(73.7-84.5)	55.9	(49.8-61.9)
\$50,000 - \$74,999	91.0	(84.0-95.1)	54.4	(47.7-60.9)	86.9	(79.9-91.7)	64.2	(57.3-70.6)
\$75,000 +	93.4	(90.3-95.5)	58.3	(53.3-63.1)	85.7	(81.6-89.0)	58.2	(53.1-63.2)

Note: Men who had been diagnosed with prostate cancer were excluded. The prevalence of ever having been diagnosed with prostate cancer among men aged 50 years and older was 4.4% (3.7 - 5.2).

Among men aged 50 years and older (n = 2,275), the proportion who reported...

<sup>a</sup> ever having a digital rectal exam.

<sup>b</sup> having a digital rectal exam in the past year.

<sup>c</sup> ever having a prostate-specific antigen (PSA) test.

<sup>d</sup> having a PSA test in the past year.

<sup>e</sup> The denominator in this subgroup was less than 50.

<b>Table 23: Colorectal Cancer Screening (Blood Stool Test) Among Adults Aged 50 Years and Older 2010 Michigan BRFSS</b>				
	<b>Ever Had Blood Stool Test<sup>a</sup></b>		<b>Had Blood Stool Test in Past Two Years<sup>b</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>44.5</b>	<b>(43.0-46.1)</b>	<b>19.0</b>	<b>(17.8-20.2)</b>
<b>Age</b>				
50 - 59	33.6	(31.1-36.1)	14.9	(13.1-16.9)
60 - 69	51.5	(48.9-54.0)	21.1	(19.0-23.4)
70 +	53.5	(51.1-55.9)	22.9	(20.9-25.0)
<b>Gender</b>				
Male	44.0	(41.6-46.5)	19.9	(18.0-22.0)
Female	45.0	(43.1-46.9)	18.2	(16.8-19.7)
<b>Race/Ethnicity</b>				
White non-Hispanic	46.3	(44.7-47.9)	18.9	(17.6-20.2)
Black non-Hispanic	39.1	(34.5-43.8)	22.4	(18.4-26.9)
Other non-Hispanic	32.3	(24.3-41.5)	17.4	(11.6-25.3)
Hispanic	28.5	(18.1-41.9)	13.9	(7.6-24.2)
<b>Education</b>				
Less than high school	38.4	(33.2-44.0)	20.9	(16.8-25.6)
High school graduate	41.6	(39.0-44.2)	16.6	(14.8-18.5)
Some college	46.5	(43.7-49.4)	21.0	(18.7-23.5)
College graduate	46.9	(44.2-49.6)	19.2	(17.1-21.5)
<b>Household Income</b>				
< \$20,000	39.5	(36.0-43.1)	18.5	(15.9-21.5)
\$20,000 - \$34,999	45.8	(42.6-49.0)	19.1	(16.7-21.7)
\$35,000 - \$49,999	47.8	(43.9-51.6)	20.8	(17.8-24.2)
\$50,000 - \$74,999	45.4	(41.2-49.7)	17.1	(14.2-20.5)
\$75,000 +	42.9	(39.5-46.4)	19.2	(16.6-22.1)

<sup>a</sup> Among adults aged 50 years and older, the proportion who reported ever having a blood stool test using a home kit. (N = 6,093)

<sup>b</sup> Among adults aged 50 years and older, the proportion whose reported having a blood stool test within the past two years using a home kit (N = 6,093)

**Table 24: Colorectal Cancer Screening (Sigmoidoscopy/Colonoscopy)  
Among Adults Aged 50 Years and Older  
2010 Michigan BRFSS**

	Ever Had a Sigmoidoscopy or Colonoscopy <sup>a</sup>		Had a Sigmoidoscopy or Colonoscopy in Past 5 Years <sup>b</sup>		Had a Sigmoidoscopy in Past 5 Years or Colonoscopy in Past 10 Years <sup>c</sup>	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>70.9</b>	<b>(69.4-72.4)</b>	<b>57.4</b>	<b>(55.9-59.0)</b>	<b>66.4</b>	<b>(64.9-67.9)</b>
<b>Age</b>						
50 - 59	58.5	(55.8-61.3)	48.9	(46.2-51.7)	55.8	(53.0-58.5)
60 - 69	79.8	(77.7-81.7)	64.0	(61.5-66.4)	74.8	(72.5-76.9)
70 +	79.9	(78.0-81.7)	63.3	(60.9-65.6)	73.6	(71.4-75.7)
<b>Gender</b>						
Male	71.8	(69.4-74.1)	59.1	(56.6-61.6)	67.0	(64.5-69.4)
Female	70.1	(68.3-71.9)	56.0	(54.1-57.9)	65.9	(64.0-67.7)
<b>Race/Ethnicity</b>						
White non-Hispanic	71.8	(70.2-73.3)	58.0	(56.4-59.7)	67.4	(65.8-69.0)
Black non-Hispanic	69.3	(64.7-73.6)	59.1	(54.2-63.8)	65.2	(60.5-69.7)
Other non-Hispanic	62.9	(53.0-71.8)	47.1	(37.5-56.9)	53.0	(43.1-62.6)
Hispanic	61.3	(42.8-77.0)	51.3	(35.2-67.2)	59.2	(40.8-75.3)
<b>Education</b>						
Less than high school	62.7	(57.1-67.9)	48.8	(43.2-54.4)	55.2	(49.4-60.9)
High school graduate	64.8	(62.0-67.5)	50.8	(48.1-53.5)	60.3	(57.5-63.0)
Some college	72.1	(69.3-74.6)	60.3	(57.5-63.1)	68.3	(65.5-70.9)
College graduate	77.5	(75.0-79.8)	63.0	(60.3-65.7)	72.7	(70.1-75.1)
<b>Household Income</b>						
< \$20,000	61.5	(57.9-65.1)	47.8	(44.2-51.5)	54.3	(50.6-58.0)
\$20,000 - \$34,999	69.0	(65.8-72.1)	54.5	(51.2-57.7)	63.9	(60.6-67.1)
\$35,000 - \$49,999	72.1	(68.3-75.6)	59.3	(55.4-63.1)	69.1	(65.2-72.7)
\$50,000 - \$74,999	75.4	(71.1-79.3)	61.2	(56.8-65.5)	70.7	(66.3-74.8)
\$75,000 +	73.7	(70.3-76.8)	62.0	(58.5-65.4)	70.9	(67.4-74.1)

<sup>a</sup> Among adults aged 50 years and older, the proportion who reported ever having a sigmoidoscopy or colonoscopy. (6,091)

<sup>b</sup> Among adults aged 50 years and older, the proportion who reported having a sigmoidoscopy or colonoscopy in the past five years. (6,037)

<sup>c</sup> Among adults aged 50 years and older, the proportion who reported having a sigmoidoscopy in the past five years or a colonoscopy in the past ten years. (5,948)

**Table 25: Oral Health  
2010 Michigan BRFSS**

	No Dental Visit in Past Year <sup>a</sup>		No Teeth Cleaning in Past Year <sup>b</sup>		6+ Teeth Missing	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>27.5</b>	<b>(26.2-28.9)</b>	<b>29.2</b>	<b>(27.7-30.7)</b>	<b>13.8</b>	<b>(13.0-14.6)</b>
<b>Age</b>						
18 - 24	28.6	(23.3-34.7)	31.8	(26.2-37.9)	0.0	---
25 - 34	37.2	(32.2-42.5)	40.9	(35.7-46.2)	2.1	(1.1-3.9)
35 - 44	27.2	(24.0-30.8)	30.7	(27.3-34.4)	6.6	(4.8-9.1)
45 - 54	27.3	(24.8-29.9)	29.6	(26.9-32.3)	12.8	(11.1-14.7)
55 - 64	23.8	(21.8-25.9)	23.8	(21.7-26.0)	20.6	(18.7-22.6)
65 - 74	22.0	(19.9-24.3)	17.7	(15.6-19.9)	32.2	(29.7-34.8)
75 +	27.3	(24.8-29.9)	24.9	(22.2-27.8)	41.1	(38.2-44.0)
<b>Gender</b>						
Male	29.5	(27.4-31.7)	31.1	(28.9-33.5)	12.7	(11.5-14.1)
Female	25.7	(23.9-27.5)	27.3	(25.5-29.2)	14.8	(13.8-15.8)
<b>Race/Ethnicity</b>						
White non-Hispanic	24.9	(23.4-26.3)	26.0	(24.5-27.6)	13.3	(12.5-14.2)
Black non-Hispanic	37.7	(33.5-42.1)	41.8	(37.3-46.5)	19.6	(16.8-22.9)
Other non-Hispanic	34.3	(27.2-42.2)	39.1	(31.5-47.3)	8.1	(5.8-11.2)
Hispanic	36.5	(26.8-47.4)	36.0	(26.0-47.3)	13.3	(7.9-21.7)
<b>Education</b>						
Less than high school	50.1	(43.7-56.5)	53.8	(46.6-60.8)	34.0	(29.0-39.4)
High school graduate	34.9	(32.3-37.7)	37.0	(34.2-40.0)	20.3	(18.5-22.2)
Some college	28.7	(26.2-31.3)	30.4	(27.8-33.2)	13.1	(11.6-14.7)
College graduate	15.8	(13.9-17.8)	17.5	(15.5-19.7)	5.0	(4.3-5.9)
<b>Household Income</b>						
< \$20,000	55.5	(51.4-59.5)	61.7	(57.4-65.8)	29.3	(26.2-32.6)
\$20,000 - \$34,999	39.0	(35.5-42.6)	40.9	(37.2-44.8)	21.2	(19.0-23.6)
\$35,000 - \$49,999	24.6	(21.2-28.3)	26.7	(23.1-30.6)	15.0	(12.4-18.1)
\$50,000 - \$74,999	18.5	(15.4-22.0)	20.4	(17.1-24.1)	7.6	(6.2-9.3)
\$75,000 +	12.0	(10.1-14.1)	12.7	(10.8-14.9)	3.0	(2.4-3.8)

<sup>a</sup> Among all adults, the proportion who reported that they had not visited a dentist or dental clinic for any reason in the previous year. (N = 8,839)

<sup>b</sup> Among all adults, the proportion who reported that they did not have their teeth cleaned by a dentist or dental hygienist in the previous year. (N = 8,169)

<sup>c</sup> Among all adults, the proportion who reported that they were missing 6+ teeth due to tooth decay or gum disease. This excludes teeth lost for other reasons, such as injury or orthodontics. (N = 8,706)

<b>Table 26: Immunizations among Adults Aged 65 Years and Older 2010 Michigan BRFSS</b>				
	<b>Had Flu Vaccine in Past Year<sup>a</sup></b>		<b>Ever Had Pneumonia Vaccine<sup>b</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>67.5</b>	<b>(65.6-69.3)</b>	<b>67.8</b>	<b>(65.8-69.6)</b>
<b>Age</b>				
65 - 74	63.7	(61.0-66.2)	60.5	(57.8-63.2)
75 +	72.0	(69.3-74.5)	76.0	(73.4-78.4)
<b>Gender</b>				
Male	67.6	(64.5-70.6)	63.7	(60.4-66.8)
Female	67.4	(65.1-69.7)	70.7	(68.4-72.9)
<b>Race/Ethnicity</b>				
White non-Hispanic	69.3	(67.3-71.3)	68.8	(66.7-70.8)
Black non-Hispanic	54.8	(48.5-60.8)	56.2	(49.7-62.4)
Other non-Hispanic	63.8	(50.5-75.4)	75.1	(62.4-84.6)
Hispanic	-- <sup>c</sup>	---	-- <sup>c</sup>	---
<b>Education</b>				
Less than high school	58.0	(51.8-64.0)	62.6	(56.5-68.3)
High school graduate	68.8	(65.8-71.7)	69.8	(66.8-72.7)
Some college	65.0	(61.0-68.7)	67.8	(63.7-71.5)
College graduate	71.4	(67.8-74.8)	66.7	(62.8-70.3)
<b>Household Income</b>				
< \$20,000	64.5	(60.2-68.7)	67.4	(63.0-71.5)
\$20,000 - \$34,999	65.9	(62.2-69.3)	68.1	(64.4-71.6)
\$35,000 - \$49,999	66.6	(61.7-71.3)	69.9	(65.0-74.3)
\$50,000 - \$74,999	73.8	(68.0-78.9)	72.6	(66.6-77.8)
\$75,000 +	71.5	(65.3-77.1)	59.4	(52.7-65.8)
<sup>a</sup> Among adults aged 65 years and older, the proportion who reported that they had a flu vaccine, either by an injection in the arm or sprayed in the nose during the past 12 months. (N = 3,139) <sup>b</sup> Among adults aged 65 years and older, the proportion who reported that they ever had a pneumococcal vaccine. (N = 3,058) <sup>c</sup> The denominator in this subgroup was less than 50.				

<b>Table 27: HIV Testing among Adults Aged 18 - 64 Years 2010 Michigan BRFSS</b>		
	<b>Ever Had an HIV Test<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>38.0</b>	<b>(36.3-39.8)</b>
<b>Age</b>		
18 – 24	25.4	(20.4-31.2)
25 – 34	53.9	(48.5-59.2)
35 – 44	53.0	(49.2-56.7)
45 – 54	33.9	(31.2-36.7)
55 – 64	20.4	(18.5-22.5)
<b>Gender</b>		
Male	34.1	(31.5-36.7)
Female	42.0	(39.6-44.3)
<b>Race/Ethnicity</b>		
White non-Hispanic	33.2	(31.4-35.1)
Black non-Hispanic	64.4	(59.4-69.1)
Other non-Hispanic	40.7	(32.7-49.3)
Hispanic	49.6	(37.5-61.7)
<b>Education</b>		
Less than high school	34.8	(27.1-43.4)
High school graduate	35.1	(31.8-38.6)
Some college	39.7	(36.5-43.0)
College graduate	39.4	(36.6-42.2)
<b>Household Income</b>		
< \$20,000	48.4	(43.4-53.5)
\$20,000 - \$34,999	38.2	(33.8-42.9)
\$35,000 - \$49,999	37.3	(32.6-42.4)
\$50,000 - \$74,999	34.5	(30.5-38.8)
\$75,000 +	38.6	(35.5-41.8)
<sup>a</sup> Among adults aged 18 - 64 years, the proportion who reported that they ever had been tested for HIV, apart from tests that were part of a blood donation. Don't know was considered a valid response to this question. (N = 5,406)		

<b>Table 28: Asthma among Adults 2010 Michigan BRFSS</b>				
	<b>Lifetime Asthma Prevalence<sup>a</sup></b>		<b>Current Asthma Prevalence<sup>b</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>15.8</b>	<b>(14.6-16.9)</b>	<b>10.5</b>	<b>(9.6-11.4)</b>
<b>Age</b>				
18 - 24	20.9	(16.2-26.5)	12.6	(9.0-17.4)
25 - 34	17.8	(14.1-22.1)	11.5	(8.8-14.9)
35 - 44	17.7	(15.0-20.7)	11.4	(9.3-13.9)
45 - 54	12.9	(11.2-14.9)	9.2	(7.8-10.9)
55 - 64	14.3	(12.7-16.1)	9.4	(8.1-10.9)
65 - 74	13.2	(11.4-15.1)	9.5	(8.0-11.3)
75 +	12.1	(10.4-14.1)	9.0	(7.5-10.8)
<b>Gender</b>				
Male	13.6	(12.0-15.4)	8.2	(7.0-9.6)
Female	17.8	(16.3-19.4)	12.6	(11.3-14.0)
<b>Race/Ethnicity</b>				
White non-Hispanic	14.9	(13.7-16.2)	10.0	(9.0-11.0)
Black non-Hispanic	19.8	(16.2-24.0)	11.1	(8.7-14.1)
Other non-Hispanic	18.5	(13.5-24.8)	14.3	(9.9-20.3)
Hispanic	15.5	(9.1-25.3)	10.8	(5.5-20.3)
<b>Education</b>				
Less than high school	19.6	(15.1-25.1)	15.2	(11.2-20.4)
High school graduate	15.4	(13.3-17.7)	9.6	(8.0-11.4)
Some college	17.5	(15.4-19.9)	11.2	(9.6-13.1)
College graduate	13.7	(12.1-15.5)	9.6	(8.2-11.2)
<b>Household Income</b>				
< \$20,000	21.6	(18.3-25.1)	17.0	(14.1-20.4)
\$20,000 - \$34,999	17.4	(14.7-20.4)	11.9	(9.7-14.4)
\$35,000 - \$49,999	15.4	(12.5-18.9)	10.0	(7.9-12.5)
\$50,000 - \$74,999	14.0	(11.3-17.2)	9.1	(6.9-12.0)
\$75,000 +	12.8	(10.9-15.0)	7.3	(6.0-8.8)
<sup>a</sup> Among all adults, the proportion who reported that they were ever told by a doctor, nurse, or other health care professional that they had asthma. (N = 8,846)				
<sup>b</sup> Among all adults, the proportion who reported that they still had asthma. (N = 8,821)				

<b>Table 29: Asthma among Children 2010 Michigan BRFSS</b>				
	<b>Lifetime Asthma Prevalence<sup>a</sup></b>		<b>Current Asthma Prevalence<sup>b</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>14.4</b>	<b>(12.4-16.6)</b>	<b>11.1</b>	<b>(9.3-13.1)</b>
<b>Age</b>				
0 - 4	12.0	(8.1-17.6)	10.4	(6.7-15.7)
5 - 9	15.2	(11.3-20.0)	11.6	(8.5-15.7)
10 - 14	12.1	(9.2-15.7)	9.0	(6.4-12.5)
15 - 17	19.7	(16.0-24.1)	14.3	(11.0-18.2)
<b>Gender</b>				
Boy	16.0	(13.1-19.2)	12.2	(9.7-15.3)
Girl	12.8	(10.2-15.9)	9.9	(7.7-12.7)
<b>Race/Ethnicity</b>				
White non-Hispanic	13.1	(11.1-15.3)	9.9	(8.1-11.9)
Black non-Hispanic	16.3	(11.0-23.5)	14.0	(9.1-21.0)
Other non-Hispanic	12.6	(5.0-28.4)	4.5	(1.5-12.8)
Hispanic	20.8	(11.9-33.7)	17.2	(9.7-28.7)
<b>Respondent Education</b>				
Less than high school	20.7	(10.5-36.7)	19.0	(9.1-35.5)
High school graduate	11.6	(8.2-16.2)	10.7	(7.4-15.2)
Some college	18.0	(14.0-22.7)	13.2	(10.0-17.3)
College graduate	12.4	(9.9-15.4)	8.7	(6.6-11.5)
<b>Household Income</b>				
< \$20,000	15.2	(10.1-22.4)	14.3	(9.3-21.5)
\$20,000 - \$34,999	19.5	(14.0-26.8)	16.2	(11.2-22.9)
\$35,000 - \$49,999	16.2	(10.7-23.6)	11.8	(7.3-18.4)
\$50,000 - \$74,999	11.6	(7.7-17.1)	7.0	(4.6-10.6)
\$75,000 +	12.6	(9.9-15.9)	9.1	(6.8-12.1)
<sup>a</sup> Estimated proportion of Michigan children aged 0-17 years ever diagnosed with asthma, using proxy information from respondent. (N = 2,015). <sup>b</sup> Estimated proportion of Michigan children aged 0-17 years with current asthma. (N = 2,009)				

<b>Table 30: Arthritis 2010 Michigan BRFSS</b>		
	<b>Ever Told Arthritis<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>32.3</b>	<b>(30.8-33.9)</b>
<b>Age</b>		
18 - 34	8.3	(6.0-11.4)
35 - 44	18.8	(15.6-22.5)
45 - 54	35.1	(31.8-38.5)
55 - 64	49.5	(46.5-52.5)
65 - 75	62.5	(59.2-65.7)
75 +	64.5	(61.0-67.9)
<b>Gender</b>		
Male	27.0	(24.7-29.4)
Female	37.3	(35.4-39.4)
<b>Race/Ethnicity</b>		
White/Non-Hispanic	33.6	(31.9-35.3)
Black/Non-Hispanic	28.7	(24.4-33.4)
Other/Non-Hispanic	22.6	(16.8-29.7)
Hispanic	16.9	(10.3-26.2)
<b>Education</b>		
Less than high school	38.5	(31.7-45.9)
High school graduate	37.0	(34.0-40.0)
Some college	32.8	(30.0-35.7)
College graduate	26.9	(24.5-29.3)
<b>Household Income</b>		
< \$20,000	37.4	(33.4-41.7)
\$20,000 - \$34,999	39.5	(35.7-43.5)
\$35,000 - \$49,999	37.5	(33.1-42.1)
\$50,000 - \$74,999	29.0	(25.3-32.9)
\$75,000 +	24.8	(22.1-27.7)
<sup>a</sup> Among all adults, the proportion who reported ever being told by a health care professional that they had some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia. (N = 5,820)		

**Table 31: Cardiovascular Disease  
2010 Michigan BRFSS**

	Ever Told Heart Attack <sup>a</sup>		Had Told Angina or Coronary Heart Disease <sup>b</sup>		Ever Told Stroke <sup>c</sup>		Ever Told Any Cardiovascular Disease <sup>d</sup>	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>4.9</b>	<b>(4.4-5.4)</b>	<b>5.3</b>	<b>(4.8-5.8)</b>	<b>2.9</b>	<b>(2.6-3.3)</b>	<b>9.6</b>	<b>(9.0-10.3)</b>
<b>Age</b>								
18 - 34	0.2	(0.0-0.8)	0.3	(0.1-0.9)	0.6	(0.2-1.6)	1.0	(0.5-2.1)
35 - 44	1.1	(0.6-2.2)	1.2	(0.6-2.3)	1.0	(0.5-2.1)	2.8	(1.8-4.3)
45 - 54	3.5	(2.5-4.8)	4.1	(2.9-5.7)	2.0	(1.4-2.9)	7.1	(5.6-8.9)
55 - 64	8.3	(7.0-9.8)	7.9	(6.6-9.4)	3.2	(2.5-4.2)	14.0	(12.4-15.9)
65 - 74	12.1	(10.4-14.0)	14.4	(12.6-16.5)	7.2	(5.9-8.7)	24.4	(22.1-26.8)
75 +	17.7	(15.6-20.1)	19.5	(17.2-22.0)	11.6	(9.9-13.6)	34.8	(32.0-37.7)
<b>Gender</b>								
Male	6.3	(5.5-7.1)	6.2	(5.4-7.2)	2.8	(2.2-3.4)	11.0	(9.9-12.2)
Female	3.6	(3.1-4.1)	4.4	(3.9-5.0)	3.0	(2.6-3.5)	8.3	(7.5-9.0)
<b>Race/Ethnicity</b>								
White non-Hispanic	4.8	(4.3-5.3)	5.3	(4.8-5.8)	2.7	(2.4-3.1)	9.4	(8.8-10.2)
Black non-Hispanic	5.5	(4.2-7.2)	4.0	(3.0-5.3)	3.6	(2.6-5.0)	9.4	(7.6-11.5)
Other non-Hispanic	6.0	(3.7-9.5)	6.7	(4.1-10.7)	4.1	(2.3-7.5)	11.8	(8.3-16.7)
Hispanic	1.8	(0.9-3.7)	6.4	(2.8-14.0)	1.7	(0.8-3.6)	8.3	(4.2-15.7)
<b>Education</b>								
< High school	11.1	(8.5-14.4)	8.6	(6.4-11.5)	6.5	(4.7-8.9)	17.9	(14.5-21.8)
High school graduate	6.3	(5.4-7.3)	6.5	(5.5-7.6)	3.3	(2.6-4.1)	12.0	(10.7-13.5)
Some college	4.4	(3.7-5.3)	5.2	(4.4-6.2)	3.1	(2.5-3.9)	9.6	(8.5-10.9)
College graduate	2.9	(2.3-3.7)	3.7	(3.0-4.6)	1.7	(1.3-2.3)	6.0	(5.1-7.0)
<b>Household Income</b>								
< \$20,000	8.9	(7.4-10.7)	8.3	(6.9-9.9)	6.5	(5.1-8.2)	17.1	(14.8-19.6)
\$20,000 - \$34,999	7.2	(6.0-8.5)	8.2	(6.9-9.8)	4.0	(3.2-5.1)	13.9	(12.2-15.9)
\$35,000 - \$49,999	5.8	(4.6-7.2)	5.1	(4.0-6.4)	3.1	(2.1-4.4)	10.5	(8.8-12.5)
\$50,000 - \$74,999	2.4	(1.7-3.4)	4.1	(2.8-5.9)	1.7	(1.0-2.7)	6.7	(5.1-8.7)
\$75,000 +	2.4	(1.7-3.3)	3.1	(2.3-4.0)	0.8	(0.5-1.2)	4.3	(3.5-5.4)

Among all adults, the proportion who had ever been told by a doctor that...

<sup>a</sup> they had a heart attack or myocardial infarction (N = 8,804);

<sup>b</sup> they had angina or coronary heart disease (N = 8,748);

<sup>c</sup> they had a stroke. (N = 8,832)

<sup>d</sup> they had a heart attack, coronary heart disease or a stroke. (N = 8,832)

<b>Table 32: Diabetes 2010 Michigan BRFSS</b>		
	<b>Ever Told Diabetes<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>10.1</b>	<b>(9.4-10.9)</b>
<b>Age</b>		
18 – 24	0.7	(0.2-2.2)
25 – 34	3.9	(2.0-7.6)
35 – 44	5.8	(4.2-7.9)
45 – 54	9.8	(8.3-11.6)
55 – 64	16.6	(14.8-18.5)
65 – 74	21.5	(19.3-23.8)
75 +	20.8	(18.5-23.4)
<b>Gender</b>		
Male	11.4	(10.1-12.7)
Female	9.0	(8.1-9.9)
<b>Race/Ethnicity</b>		
White non-Hispanic	9.2	(8.4-10.0)
Black non-Hispanic	15.9	(13.3-19.0)
Other non-Hispanic	11.3	(7.8-16.0)
Hispanic	9.2	(5.5-15.2)
<b>Education</b>		
Less than high school	11.2	(8.8-14.3)
High school graduate	13.0	(11.5-14.6)
Some college	10.8	(9.3-12.5)
College graduate	6.8	(5.9-7.9)
<b>Household Income</b>		
< \$20,000	15.3	(12.9-17.9)
\$20,000 - \$34,999	12.9	(11.1-15.0)
\$35,000 - \$49,999	10.8	(9.1-12.8)
\$50,000 - \$74,999	8.5	(6.9-10.4)
\$75,000 +	6.2	(4.8-7.9)
<sup>a</sup> Among all adults, the proportion who reported that they were ever told by a doctor that they have diabetes. Adults who had been told they have prediabetes and women who had diabetes only during pregnancy were classified as not having been diagnosed. (N = 8,856)		

<b>Table 33: Major Depression 2010 Michigan BRFSS</b>		
	<b>Current Major Depression<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>9.4</b>	<b>(8.3-10.6)</b>
<b>Age</b>		
18 – 24	13.6	(8.9-20.2)
25 – 34	10.5	(7.1-15.1)
35 – 44	11.0	(8.6-14.0)
45 – 54	9.4	(7.6-11.6)
55 – 64	8.9	(7.3-10.7)
65 – 74	3.6	(2.6-5.0)
75 +	4.3	(2.9-6.3)
<b>Gender</b>		
Male	8.0	(6.4-9.9)
Female	10.8	(9.4-12.4)
<b>Race/Ethnicity</b>		
White non-Hispanic	9.0	(7.8-10.3)
Black non-Hispanic	11.2	(7.9-15.5)
Other non-Hispanic	13.5	(8.0-22.0)
Hispanic	14.3	(7.1-26.7)
<b>Education</b>		
Less than high school	21.0	(14.9-28.7)
High school graduate	10.1	(8.0-12.8)
Some college	12.2	(10.0-14.8)
College graduate	4.6	(3.5-5.9)
<b>Household Income</b>		
< \$20,000	20.4	(16.8-24.6)
\$20,000 - \$34,999	15.4	(12.4-19.1)
\$35,000 - \$49,999	10.1	(6.7-15.0)
\$50,000 - \$74,999	6.3	(4.3-9.1)
\$75,000 +	4.0	(2.7-5.8)
<sup>a</sup> Calculated from responses to Q.1-8 of the CDC BRFSS Anxiety and Depression optional module. Responses in number of days were converted to points (0-1 days = 0 points, 2-6 days = 1 point, 7-11 days = 2 points, 12-14 days = 3 points). Points were summed across the eight questions and a total of 10 points or greater was classified as major depression. (N = 5,353)		

<b>Table 34: Falls Among Adults Aged 45 Years and Older 2010 Michigan BRFSS</b>				
	<b>Fell During the Past Three Months<sup>a</sup></b>		<b>Injured From a Fall During the Past Three Months<sup>b</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>16.9</b>	<b>(15.9-18.1)</b>	<b>5.4</b>	<b>(4.8-6.1)</b>
<b>Age</b>				
45 - 54	17.9	(15.8-20.2)	6.1	(4.9-7.5)
55 - 64	16.4	(14.8-18.3)	5.3	(4.3-6.4)
65 - 74	14.6	(12.8-16.6)	4.2	(3.3-5.4)
75 +	18.2	(16.0-20.6)	5.5	(4.4-7.0)
<b>Gender</b>				
Male	15.8	(14.2-17.6)	4.0	(3.2-5.0)
Female	17.9	(16.6-19.4)	6.6	(5.8-7.6)
<b>Race/Ethnicity</b>				
White non-Hispanic	16.8	(15.7-18.0)	5.4	(4.7-6.1)
Black non-Hispanic	17.3	(13.8-21.4)	5.4	(3.9-7.6)
Other non-Hispanic	15.8	(10.7-22.6)	4.8	(2.7-8.3)
Hispanic	18.3	(10.3-30.3)	7.3	(2.8-17.7)
<b>Respondent Education</b>				
Less than high school	19.8	(15.9-24.4)	8.4	(5.8-12.1)
High school graduate	18.1	(16.1-20.2)	5.9	(4.8-7.2)
Some college	16.6	(14.8-18.6)	5.8	(4.7-7.1)
College graduate	15.5	(13.8-17.4)	4.1	(3.2-5.2)
<b>Household Income</b>				
< \$20,000	24.5	(21.2-28.1)	10.8	(8.6-13.5)
\$20,000 - \$34,999	17.5	(15.4-19.9)	5.8	(4.6-7.4)
\$35,000 - \$49,999	15.4	(13.9-19.3)	4.6	(3.4-6.2)
\$50,000 - \$74,999	15.4	(12.8-18.5)	5.1	(3.6-7.0)
\$75,000 +	13.7	(11.7-15.9)	3.2	(2.3-4.5)
<sup>a</sup> Among adults aged 45 years and older, the proportion who reported to have unintentionally come to rest on the ground or another lower level during the past three months. (N = 6,970) <sup>b</sup> Among adults aged 45 years and older, the proportion who reported to have been injured due to a fall during the past three months. (N = 6,967)				