

**Prevalence Estimates for Risk Factors and Health Indicators  
by Race-Ethnicity**

**State of Michigan**

**Selected Tables**

**Michigan Behavioral Risk Factor Survey**

**2011**

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Surveillance and Program Evaluation Section  
Lifecourse Epidemiology and Genomics Division  
Bureau of Disease Control, Prevention, and Epidemiology  
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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 Division of Behavioral Surveillance (DBS) of the Centers for Disease Control and Prevention (CDC), 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 the DBS at the CDC.

Due to increases in the utilization of cell phone communication, 2011 marks the first year in which the Michigan BRFSS collected data from both land line and cell phone interviews. In 2011, the total sample size of completed interviews for the core survey was 11,049 (land line = 9,308; cell phone = 1,741) which consisted of 8,745 White, non-Hispanics, 1,308 Black, non-Hispanics, 560 Other/Multiracial, non-Hispanics, and 281 Hispanics. Race/ethnicity was not available for 155 respondents, thus these individuals were excluded from this analysis. Due to relatively small racial-ethnic subgroup sample sizes we were required to combine demographic groups in this analysis. Estimates are reported for subgroups with a sample size of at least 50 respondents. Some of the estimates for these racial-ethnic subgroups are relatively imprecise (i.e., have large confidence intervals) and should be used with caution. Furthermore, only comparisons between estimates with non-overlapping 95% confidence intervals should be considered significantly different.

For the 2011 Michigan BRFSS, the sample of land line 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 population density of African Americans were oversampled within the land line portion of the survey. The sample of cell phone numbers used within the 2011 Michigan BRFSS data collection process was randomly selected from dedicated cellular telephone banks sorted on the basis of area code and exchange within the State of Michigan.

To allow for the incorporation of cell phone data into the final Michigan BRFSS dataset and to improve the accuracy of prevalence estimates based on Michigan BRFSS data, a new weighting methodology, known as iterative proportional fitting or raking, was introduced in 2011. Estimates based on this new methodology were weighted to adjust for the probabilities of selection and a raking adjustment factor that adjusted for the distribution of Michigan adults by telephone source (land line vs. cell phone), detailed race/ethnicity, region, education level, marital status, age by gender, gender by race/ethnicity, age by race/ethnicity, and renter/owner status.

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. 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 indicated otherwise. All analyses were performed in SAS-Callable SUDAAN®, a statistical computing program that was designed for complex sample surveys.

### **Important Disclaimer for 2011**

**Significant changes have been made to the BRFSS methodology in 2011. As a result, the estimates provided within the following tables should not be compared to Michigan BRFSS estimates from previous years. For more information regarding these changes, please visit the following website:**

**<http://www.cdc.gov/surveillancepractice/reports/brfss/brfss.html>.**

If you have any questions regarding any of the estimates within the following tables, please contact Chris Fussman at MDCH, by phone, (517) 335-8144, or by email, [MIBRFSS@michigan.gov](mailto:MIBRFSS@michigan.gov).

**Table 1: Fair or Poor General Health<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>17.2</b>	<b>(16.2-18.3)</b>	<b>15.7</b>	<b>(14.6-16.9)</b>	<b>24.5</b>	<b>(21.2-28.2)</b>	<b>14.3</b>	<b>(11.0-18.3)</b>	<b>25.5</b>	<b>(18.4-34.3)</b>
<b>Age</b>										
18 - 49	13.5	(12.0-15.1)	12.1	(10.5-13.9)	18.9	(14.7-23.9)	10.0	(6.6-14.8)	23.2	(14.8-34.6)
50 +	21.7	(20.3-23.2)	19.7	(18.2-21.3)	33.8	(29.1-39.0)	26.6	(20.2-34.3)	31.3	(20.0-45.4)
<b>Gender</b>										
Male	16.9	(15.4-18.6)	15.8	(14.2-17.6)	20.4	(15.6-26.1)	13.1	(8.6-19.3)	29.3	(19.4-41.8)
Female	17.5	(16.2-19.0)	15.7	(14.2-17.2)	28.2	(23.8-33.0)	15.9	(11.8-21.2)	19.6	(11.5-31.2)
<b>Education</b>										
High school graduate or less	24.2	(22.3-26.2)	22.8	(20.7-25.1)	32.0	(26.7-37.9)	15.1	(9.9-22.4)	31.9	(21.3-44.6)
Some college or more	11.8	(10.7-12.9)	10.5	(9.5-11.7)	17.3	(13.5-21.9)	13.7	(9.8-18.7)	19.3	(10.6-32.5)
<b>Household Income</b>										
< \$35,000	27.4	(25.4-29.5)	26.9	(24.6-29.4)	29.5	(24.7-34.7)	19.4	(13.9-26.4)	33.0	(22.5-45.5)
\$35,000 +	8.8	(7.8-10.0)	8.3	(7.2-9.5)	12.8	(8.7-18.5)	8.1	(4.5-14.2)	17.2	(8.0-33.3)

<sup>a</sup> The proportion who reported that their health, in general, was either fair or poor.

<sup>b</sup> Michigan estimates include all racial groups.

2011 Michigan BRFSS Estimates by Race-Ethnicity  
August 10, 2012

**Table 2: Poor Physical Health on at Least 14 Days in the Past Month<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>13.1</b>	<b>(12.2-14.1)</b>	<b>12.5</b>	<b>(11.5-13.6)</b>	<b>15.6</b>	<b>(12.9-18.8)</b>	<b>12.6</b>	<b>(8.9-17.5)</b>	<b>14.5</b>	<b>(9.0-22.4)</b>
<b>Age</b>										
18 - 49	9.3	(8.1-10.7)	9.1	(7.7-10.7)	9.5	(6.5-13.6)	10.4	(6.1-17.1)	11.9	(6.0-22.4)
50 +	17.4	(16.1-18.9)	16.2	(14.8-17.7)	25.9	(21.3-31.1)	18.9	(13.7-25.4)	20.8	(11.3-35.0)
<b>Gender</b>										
Male	11.9	(10.6-13.4)	11.4	(9.9-13.0)	12.5	(8.8-17.3)	12.9	(7.5-21.0)	15.1	(8.2-26.1)
Female	14.2	(12.9-15.5)	13.5	(12.1-15.0)	18.4	(14.7-22.9)	12.1	(8.4-17.2)	13.5	(6.2-26.8)
<b>Education</b>										
High school graduate or less	16.4	(14.7-18.1)	16.2	(14.4-18.2)	17.8	(13.6-22.8)	15.7	(9.0-25.8)	14.6	(7.4-26.7)
Some college or more	10.4	(9.4-11.5)	9.8	(8.7-11.0)	13.6	(10.2-17.8)	10.0	(6.8-14.4)	14.6	(7.4-26.7)
<b>Household Income</b>										
< \$35,000	17.9	(16.1-19.7)	18.3	(16.3-20.5)	17.4	(13.7-21.9)	13.7	(9.0-20.1)	17.1	(9.4-29.3)
\$35,000 +	8.3	(7.2-9.4)	8.1	(7.0-9.3)	10.0	(6.3-15.6)	6.7	(3.6-12.2)	11.0	(5.0-22.4)

<sup>a</sup> The proportion who reported 14 or more days of physical health that was not good, which includes physical illness and injury, during the past 30 days.

<sup>b</sup> Michigan estimates include all racial groups.

2011 Michigan BRFSS Estimates by Race-Ethnicity  
August 10, 2012

**Table 3: Poor Mental Health on at Least 14 Days in the Past Month<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>13.1</b>	<b>(12.1-14.2)</b>	<b>12.9</b>	<b>(11.8-14.1)</b>	<b>13.4</b>	<b>(10.9-16.4)</b>	<b>14.5</b>	<b>(10.6-19.7)</b>	<b>17.3</b>	<b>(11.7-25.0)</b>
<b>Age</b>										
18 - 49	15.5	(13.9-17.2)	16.1	(14.3-18.2)	12.2	(9.0-16.3)	14.3	(9.4-21.1)	17.0	(10.4-26.3)
50 +	10.3	(9.3-11.5)	9.3	(8.3-10.5)	15.3	(11.7-19.8)	15.3	(10.4-22.0)	18.3	(9.1-33.5)
<b>Gender</b>										
Male	11.8	(10.4-13.4)	11.3	(9.7-13.2)	12.4	(8.7-17.4)	14.9	(9.3-23.1)	15.9	(9.3-25.9)
Female	14.4	(13.0-15.8)	14.3	(12.8-15.9)	14.2	(11.0-18.1)	14.0	(9.6-20.0)	19.5	(10.7-32.8)
<b>Education</b>										
High school graduate or less	15.9	(14.2-17.9)	15.7	(13.7-17.9)	15.5	(11.6-20.3)	16.2	(9.5-26.1)	21.7	(13.0-33.9)
Some college or more	11.0	(9.9-12.2)	10.8	(9.6-12.2)	11.4	(8.4-15.3)	13.3	(9.1-18.9)	12.0	(6.1-22.2)
<b>Household Income</b>										
< \$35,000	19.1	(17.2-21.0)	19.8	(17.5-22.2)	15.3	(12.0-19.4)	19.9	(13.7-28.1)	22.8	(14.4-34.2)
\$35,000 +	7.9	(6.8-9.1)	7.8	(6.7-9.2)	7.5	(4.2-13.1)	9.6	(5.1-17.2)	7.2	(2.5-19.2)

<sup>a</sup> The proportion who reported 14 or more days of mental health that was not good, which includes stress, depression, and problems with emotions, during the past 30 days.

<sup>b</sup> Michigan estimates include all racial groups.

**Table 4: Activity Limitation on at Least 14 Days in the Past Month<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>9.4</b>	<b>(8.5-10.2)</b>	<b>8.9</b>	<b>(8.1-9.9)</b>	<b>11.0</b>	<b>(8.6-14.1)</b>	<b>11.3</b>	<b>(7.6-16.3)</b>	<b>9.5</b>	<b>(5.1-16.8)</b>
<b>Age</b>										
18 - 49	7.6	(6.5-8.9)	7.3	(6.1-8.8)	8.0	(5.1-12.3)	11.2	(6.7-18.0)	6.7	(2.7-16.0)
50 +	11.4	(10.3-12.6)	10.7	(9.5-11.9)	16.1	(12.2-20.9)	11.5	(7.5-17.4)	16.2	(7.4-31.9)
<b>Gender</b>										
Male	8.6	(7.4-9.8)	8.0	(6.8-9.3)	8.4	(5.4-12.8)	14.2	(8.6-22.7)	11.7	(5.5-23.2)
Female	10.1	(9.0-11.3)	9.8	(8.6-11.2)	13.3	(9.8-17.9)	7.1	(4.5-11.0)	5.8	(2.5-13.0)
<b>Education</b>										
High school graduate or less	12.4	(11.0-14.0)	12.2	(10.6-14.0)	14.0	(10.1-19.0)	12.3	(6.3-22.8)	11.2	(5.3-22.1)
Some college or more	6.9	(6.1-7.9)	6.6	(5.7-7.6)	8.2	(5.5-12.1)	10.5	(6.9-15.6)	6.7	(2.0-20.1)
<b>Household Income</b>										
< \$35,000	14.5	(12.9-16.2)	14.8	(13.0-16.8)	13.4	(9.9-18.0)	15.4	(10.2-22.7)	13.6	(6.5-26.3)
\$35,000 +	4.6	(3.8-5.6)	4.5	(3.7-5.6)	4.7	(2.2-9.8)	5.0	(2.2-10.7)	6.0	(2.3-14.9)

<sup>a</sup> 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.

<sup>b</sup> Michigan estimates include all racial groups

**Table 5: Disability<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>28.2</b>	<b>(27.0-29.5)</b>	<b>28.8</b>	<b>(27.4-30.2)</b>	<b>26.0</b>	<b>(22.6-29.8)</b>	<b>25.3</b>	<b>(20.2-31.1)</b>	<b>26.5</b>	<b>(19.4-35.0)</b>
<b>Age</b>										
18 - 49	20.8	(19.1-22.7)	21.5	(19.4-23.7)	17.4	(13.3-22.4)	19.7	(14.0-27.2)	21.8	(13.8-32.6)
50 +	37.1	(35.5-38.8)	36.7	(34.9-38.5)	39.8	(34.6-45.2)	40.5	(32.5-49.1)	37.9	(25.5-52.2)
<b>Gender</b>										
Male	26.2	(24.4-28.1)	26.8	(24.8-29.0)	19.8	(15.3-25.3)	25.7	(18.3-34.9)	32.2	(22.0-44.4)
Female	30.1	(28.5-31.8)	30.6	(28.8-32.5)	31.2	(26.5-36.3)	24.6	(18.8-31.5)	17.6	(10.2-28.7)
<b>Education</b>										
High school graduate or less	31.7	(29.6-34.0)	32.4	(30.0-34.9)	31.3	(25.7-37.4)	27.2	(18.5-38.0)	26.9	(17.2-39.4)
Some college or more	25.5	(24.0-27.0)	26.2	(24.6-27.9)	21.1	(17.2-25.7)	23.8	(18.3-30.3)	25.1	(15.6-37.6)
<b>Household Income</b>										
< \$35,000	36.0	(33.8-38.3)	38.3	(35.7-41.0)	29.2	(24.4-34.5)	33.8	(25.0-44.0)	32.2	(22.0-44.4)
\$35,000 +	21.6	(20.1-23.2)	22.2	(20.5-23.9)	19.1	(14.0-25.4)	15.2	(10.0-22.6)	19.7	(10.9-32.9)

<sup>a</sup> 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.  
<sup>b</sup> Michigan estimates include all racial groups.

2011 Michigan BRFSS Estimates by Race-Ethnicity  
August 10, 2012

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>31.3</b>	<b>(30.0-32.6)</b>	<b>29.7</b>	<b>(28.3-31.2)</b>	<b>41.0</b>	<b>(36.9-45.2)</b>	<b>24.8</b>	<b>(19.2-31.4)</b>	<b>36.7</b>	<b>(28.7-45.4)</b>
<b>Age</b>										
18 - 49	29.2	(27.2-31.2)	32.2	(30.4-34.0)	38.9	(33.3-44.9)	21.2	(14.7-29.7)	36.1	(26.4-47.1)
50 +	33.7	(32.1-35.4)	41.0	(36.9-45.2)	44.3	(39.1-49.7)	34.6	(26.4-43.9)	38.0	(25.8-51.9)
<b>Gender</b>										
Male	31.9	(29.9-33.9)	31.5	(29.4-33.8)	34.1	(28.2-40.5)	25.1	(17.6-34.4)	40.3	(29.4-52.2)
Female	30.7	(28.9-32.4)	27.9	(26.1-29.9)	47.5	(42.2-52.8)	24.3	(16.8-33.8)	30.8	(21.0-42.8)
<b>Education</b>										
High school graduate or less	32.4	(30.3-34.7)	30.7	(28.3-33.2)	40.4	(34.3-46.8)	29.0	(19.2-41.4)	40.3	(28.8-52.9)
Some college or more	30.3	(28.7-31.9)	29.0	(27.3-30.8)	41.7	(36.4-47.2)	20.8	(15.3-27.6)	32.3	(21.9-44.7)
<b>Household Income</b>										
< \$35,000	34.2	(32.0-36.4)	32.7	(30.2-35.3)	39.9	(34.5-45.5)	21.1	(15.0-28.9)	43.5	(32.2-55.4)
\$35,000 +	29.7	(27.9-31.6)	29.2	(27.3-31.2)	40.4	(33.5-47.8)	19.1	(13.0-27.1)	31.6	(19.9-46.1)

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.

<sup>a</sup> The proportion of respondents whose BMI was greater than or equal to 30.0.

<sup>b</sup> Michigan estimates include all racial groups.

**Table 7: No Health Care Coverage among Adults Aged 18 - 64 Years<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>18.3</b>	<b>(17.0-19.6)</b>	<b>15.9</b>	<b>(14.6-17.3)</b>	<b>27.6</b>	<b>(23.5-32.2)</b>	<b>19.9</b>	<b>(14.6-26.7)</b>	<b>28.3</b>	<b>(20.4-37.8)</b>
<b>Age</b>										
18 - 49	21.1	(19.4-23.0)	18.9	(17.0-20.9)	30.4	(25.1-36.3)	19.0	(12.9-27.0)	30.0	(20.8-41.2)
50 - 64	12.2	(10.8-13.8)	10.3	(8.8-11.9)	21.0	(15.8-27.3)	22.4	(14.1-33.8)	21.4	(10.3-39.4)
<b>Gender</b>										
Male	20.4	(18.4-22.5)	17.3	(15.3-19.5)	32.7	(25.9-40.3)	19.9	(13.1-29.1)	34.1	(22.9-47.4)
Female	16.2	(14.6-18.0)	14.4	(12.7-16.4)	23.2	(18.7-28.4)	19.3	(11.8-29.8)	19.7	(11.1-32.5)
<b>Education</b>										
High school graduate or less	24.9	(22.5-27.4)	22.4	(19.8-25.2)	33.2	(26.6-40.7)	27.5	(17.3-40.8)	32.1	(20.6-46.3)
Some college or more	13.5	(12.1-14.9)	11.6	(10.3-13.1)	22.5	(17.9-27.9)	12.8	(8.6-18.7)	23.9	(14.0-37.6)
<b>Household Income</b>										
< \$35,000	31.8	(29.2-34.5)	31.6	(28.5-34.9)	33.0	(27.3-39.4)	27.5	(18.9-38.3)	33.1	(22.6-45.6)
\$35,000 +	7.3	(6.2-8.6)	6.4	(5.3-7.7)	12.9	(8.4-19.4)	7.7	(3.9-14.7)	19.1	(8.1-38.8)

<sup>a</sup> Among those 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 or Indian Health Services.

<sup>b</sup> Michigan estimates include all racial groups

2011 Michigan BRFSS Estimates by Race-Ethnicity  
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**Table 8: No Personal Health Care Provider<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>15.5</b>	<b>(14.4-16.7)</b>	<b>13.9</b>	<b>(12.7-15.2)</b>	<b>19.4</b>	<b>(16.2-23.2)</b>	<b>25.0</b>	<b>(18.9-32.3)</b>	<b>26.2</b>	<b>(19.2-34.7)</b>
<b>Age</b>										
18 - 49	22.9	(21.1-24.9)	21.3	(19.3-23.5)	25.9	(21.0-31.5)	29.5	(21.6-38.9)	30.9	(21.8-41.7)
50 +	6.6	(5.8-7.6)	6.0	(5.1-7.0)	8.9	(6.1-12.8)	12.0	(7.4-18.9)	14.6	(7.4-27.0)
<b>Gender</b>										
Male	21.6	(19.7-23.5)	19.6	(17.7-21.8)	27.3	(21.5-34.0)	31.2	(22.1-42.0)	31.1	(21.5-42.7)
Female	9.8	(8.6-11.1)	8.7	(7.4-10.1)	12.7	(9.6-16.6)	16.6	(10.3-25.5)	18.3	(9.9-31.6)
<b>Education</b>										
High school graduate or less	19.2	(17.2-21.3)	17.0	(14.9-19.4)	24.2	(18.9-30.5)	26.6	(16.4-40.1)	33.3	(22.5-46.3)
Some college or more	12.8	(11.6-14.0)	11.6	(10.4-13.0)	14.9	(11.3-19.3)	23.9	(17.4-32.0)	19.0	(11.4-29.9)
<b>Household Income</b>										
< \$35,000	22.3	(20.2-24.5)	20.0	(17.7-22.5)	24.4	(19.7-30.0)	31.8	(21.4-44.5)	35.9	(25.5-47.9)
\$35,000 +	9.9	(8.7-11.3)	9.5	(8.2-11.0)	9.4	(5.8-14.9)	20.0	(13.0-29.6)	11.6	(5.0-24.6)

<sup>a</sup> The proportion who reported that they did not have anyone that they thought of as their personal doctor or health care provider.  
<sup>b</sup> Michigan estimates include all racial groups.

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**Table 9: No Health Care Access during Past 12 Months Due to Cost<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>16.5</b>	<b>(15.4-17.6)</b>	<b>14.7</b>	<b>(13.6-15.9)</b>	<b>23.2</b>	<b>(19.7-27.0)</b>	<b>16.4</b>	<b>(12.5-21.1)</b>	<b>29.3</b>	<b>(21.8-38.0)</b>
<b>Age</b>										
18 - 49	20.4	(18.7-22.2)	19.1	(17.2-21.1)	25.4	(20.6-31.0)	14.1	(9.9-19.8)	34.1	(24.5-45.1)
50 +	11.5	(10.4-12.7)	10.0	(8.9-11.1)	19.4	(15.5-24.0)	22.7	(15.7-31.8)	17.4	(9.6-29.5)
<b>Gender</b>										
Male	14.8	(13.3-16.5)	12.7	(11.1-14.5)	21.2	(16.3-27.2)	15.5	(10.2-22.8)	30.8	(20.7-43.0)
Female	18.0	(16.6-19.6)	16.5	(14.9-18.2)	24.8	(20.4-29.9)	17.6	(12.7-23.8)	26.9	(17.5-39.0)
<b>Education</b>										
High school graduate or less	19.2	(17.4-21.2)	17.4	(15.4-19.6)	25.7	(20.5-31.8)	20.8	(13.8-30.1)	27.0	(17.2-39.7)
Some college or more	14.2	(13.0-15.5)	12.7	(11.4-14.0)	20.8	(16.6-25.7)	12.8	(9.0-17.9)	30.8	(20.5-43.4)
<b>Household Income</b>										
< \$35,000	26.5	(24.4-28.7)	24.9	(22.5-27.4)	28.2	(23.3-33.6)	26.6	(19.4-35.3)	41.1	(30.0-53.2)
\$35,000 +	8.5	(7.4-9.7)	8.4	(7.2-9.7)	8.7	(5.5-13.7)	5.7	(2.3-13.2)	16.1	(7.5-31.2)

<sup>a</sup> The proportion who reported that in the past 12 months, they could not see a doctor when they needed to due to the cost.

<sup>b</sup> Michigan estimates include all racial groups.

**Table 10: No Leisure-Time Physical Activity<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>23.6</b>	<b>(22.4-24.8)</b>	<b>22.2</b>	<b>(20.9-23.5)</b>	<b>30.1</b>	<b>(26.3-34.2)</b>	<b>24.5</b>	<b>(18.5-31.6)</b>	<b>28.9</b>	<b>(21.6-37.5)</b>
<b>Age</b>										
18 - 49	19.9	(18.2-21.7)	17.8	(16.0-19.7)	27.6	(22.5-33.4)	23.3	(15.9-32.9)	24.8	(16.5-35.5)
50 +	28.0	(26.4-29.6)	26.9	(25.3-28.6)	34.1	(29.0-39.5)	27.7	(21.0-35.6)	39.0	(26.3-53.3)
<b>Gender</b>										
Male	22.1	(20.3-23.9)	21.2	(19.4-23.2)	25.8	(20.0-32.7)	18.3	(11.2-28.4)	30.4	(20.6-42.5)
Female	25.0	(23.4-26.6)	23.1	(21.4-24.8)	33.8	(29.0-38.9)	32.8	(23.9-43.2)	26.5	(17.0-38.8)
<b>Education</b>										
High school graduate or less	30.6	(28.5-32.8)	29.7	(27.4-32.1)	35.0	(29.0-41.5)	26.9	(16.5-40.6)	35.3	(24.6-47.8)
Some college or more	18.2	(16.9-19.5)	16.7	(15.4-18.1)	25.5	(20.9-30.8)	22.0	(16.4-28.9)	22.2	(13.2-35.0)
<b>Household Income</b>										
< \$35,000	30.6	(28.5-32.8)	29.6	(27.3-32.1)	33.5	(28.2-39.2)	31.3	(20.8-44.1)	32.7	(22.5-44.9)
\$35,000 +	17.6	(16.2-19.2)	17.0	(15.5-18.7)	23.5	(17.9-30.2)	17.9	(11.9-26.0)	20.3	(10.7-35.2)

<sup>a</sup> The proportion who reported not participating in any leisure-time physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise in the past month.

<sup>b</sup> Michigan estimates include all racial groups.

**Table 11: Adequate Physical Activity<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>19.7</b>	<b>(18.6-20.9)</b>	<b>19.6</b>	<b>(18.3-20.8)</b>	<b>19.1</b>	<b>(16.0-22.6)</b>	<b>23.3</b>	<b>(17.1-30.8)</b>	<b>22.2</b>	<b>(15.7-30.6)</b>
<b>Age</b>										
18 - 49	21.0	(19.3-22.9)	21.2	(19.2-23.3)	17.8	(13.8-22.6)	24.8	(17.1-34.4)	23.9	(15.7-34.6)
50 +	18.2	(16.9-19.5)	17.8	(16.4-19.2)	21.2	(16.8-26.4)	18.9	(11.6-29.3)	18.2	(9.6-31.8)
<b>Gender</b>										
Male	21.6	(19.9-23.5)	20.6	(18.7-22.7)	24.6	(19.3-30.8)	31.4	(21.7-43.1)	20.5	(12.6-31.7)
Female	17.9	(16.5-19.4)	18.6	(17.0-20.2)	14.4	(11.2-18.4)	12.5	(8.2-18.8)	24.8	(15.0-38.3)
<b>Education</b>										
High school graduate or less	14.7	(12.9-16.6)	13.1	(11.3-15.1)	16.0	(11.9-21.3)	27.4	(16.4-42.0)	24.5	(14.5-38.3)
Some college or more	23.5	(22.1-25.1)	24.1	(22.5-25.8)	21.9	(17.7-26.9)	19.8	(14.3-26.8)	18.9	(11.9-28.7)
<b>Household Income</b>										
< \$35,000	16.0	(14.3-17.9)	14.8	(12.9-16.9)	18.0	(14.1-22.7)	21.7	(12.2-35.7)	19.9	(12.0-31.0)
\$35,000 +	22.4	(20.8-24.1)	22.6	(20.9-24.4)	21.3	(16.0-27.8)	23.6	(16.1-33.2)	16.4	(8.9-28.3)

<sup>a</sup> The proportion who reported that they do either moderate physical activities for at least 150 minutes per week, vigorous physical activities for at least 75 minutes per week, or an equivalent combination of moderate and vigorous physical activities **and** also participate in muscle strengthening activities on two or more days per week.

<sup>b</sup> Michigan estimates include all racial groups.

**Table 12: Median Fruit Intake Per Day<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>	White, Non-Hispanic	Black, Non-Hispanic	Other/Multiracial, Non-Hispanic	Hispanic
	Median	Median	Median	Median	Median
<b>Total</b>	1.1	1.1	1.1	1.1	1.0
<b>Age</b>					
18 - 49	1.0	1.0	1.1	1.1	0.9
50 +	1.1	1.1	1.1	1.1	1.1
<b>Gender</b>					
Male	1.0	1.0	1.0	1.0	1.0
Female	1.1	1.1	1.2	1.5	0.9
<b>Education</b>					
High school graduate or less	1.0	1.0	1.0	1.0	0.5
Some college or more	1.2	1.2	1.1	1.2	1.3
<b>Household Income</b>					
< \$35,000	1.0	1.0	1.0	1.1	0.7
\$35,000 +	1.1	1.1	1.2	1.1	1.4

<sup>a</sup> The median number of times per day during the past 30 days in which 100% pure fruit juices or fresh, frozen, or canned fruit were consumed.  
<sup>b</sup> Michigan estimates include all racial groups.

**Table 13: Median Vegetable Intake Per Day<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>	White, Non-Hispanic	Black, Non-Hispanic	Other/Multiracial, Non-Hispanic	Hispanic
	Median	Median	Median	Median	Median
<b>Total</b>	1.6	1.6	1.3	1.7	1.5
<b>Age</b>					
18 - 49	1.5	1.5	1.3	1.8	1.6
50 +	1.6	1.7	1.4	1.7	1.4
<b>Gender</b>					
Male	1.4	1.4	1.2	1.7	1.4
Female	1.7	1.7	1.5	1.8	1.7
<b>Education</b>					
High school graduate or less	1.4	1.4	1.2	1.6	1.3
Some college or more	1.7	1.7	1.3	1.9	1.7
<b>Household Income</b>					
< \$35,000	1.4	1.5	1.3	1.7	1.4
\$35,000 +	1.7	1.7	1.4	1.9	1.7

<sup>a</sup> The median number of times per day during the past 30 days in which cooked or canned beans, dark green vegetables, orange-colored vegetables, or other vegetables were consumed.  
<sup>b</sup> Michigan estimates include all racial groups.

**Table 14: Adequate Fruit and Vegetable Consumption<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>17.8</b>	<b>(16.8-19.0)</b>	<b>17.2</b>	<b>(16.1-18.5)</b>	<b>20.4</b>	<b>(17.0-24.3)</b>	<b>19.9</b>	<b>(14.5-26.7)</b>	<b>18.8</b>	<b>(12.9-26.6)</b>
<b>Age</b>										
18 - 49	17.8	(16.1-19.6)	16.9	(15.1-18.8)	21.2	(16.4-26.9)	20.2	(13.4-29.3)	18.8	(11.6-29.1)
50 +	17.9	(16.6-19.2)	17.6	(16.3-19.1)	19.2	(15.2-23.9)	19.1	(13.5-26.3)	18.9	(10.9-30.9)
<b>Gender</b>										
Male	13.5	(12.0-15.2)	12.8	(11.2-14.5)	13.9	(9.7-19.6)	17.5	(10.6-27.4)	20.5	(12.2-32.2)
Female	21.9	(20.4-23.5)	21.4	(19.7-23.1)	25.9	(21.2-31.3)	23.3	(15.7-33.1)	16.3	(9.9-25.8)
<b>Education</b>										
High school graduate or less	15.0	(13.3-16.9)	13.9	(12.1-16.0)	20.3	(15.2-26.6)	16.5	(8.3-30.2)	14.9	(8.4-25.2)
Some college or more	20.0	(18.6-21.4)	19.6	(18.2-21.2)	20.6	(16.3-25.5)	23.0	(17.0-30.3)	23.3	(14.2-35.8)
<b>Household Income</b>										
< \$35,000	15.4	(13.8-17.2)	14.4	(12.7-16.4)	19.2	(14.9-24.5)	12.5	(8.2-18.6)	17.4	(10.5-27.4)
\$35,000 +	19.5	(18.0-21.1)	19.2	(17.6-20.9)	22.1	(16.2-29.5)	16.2	(10.3-24.5)	27.5	(15.3-44.3)

<sup>a</sup> The proportion whose total reported consumption of fruits (including juice) and vegetables was five or more times per day.

<sup>b</sup> Michigan estimates include all racial groups.

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<b>Table 15: Current Smoking<sup>a</sup> by Race-Ethnicity 2011 Michigan BRFSS</b>										
<b>Demographic Characteristics</b>	<b>Michigan<sup>b</sup></b>		<b>White, Non-Hispanic</b>		<b>Black, Non-Hispanic</b>		<b>Other/Multiracial, Non-Hispanic</b>		<b>Hispanic</b>	
	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>23.3</b>	<b>(22.0-24.6)</b>	<b>22.8</b>	<b>(21.4-24.3)</b>	<b>27.1</b>	<b>(23.3-31.3)</b>	<b>24.5</b>	<b>(19.0-31.0)</b>	<b>20.0</b>	<b>(14.0-27.6)</b>
<b>Age</b>										
18 - 49	28.3	(26.3-30.4)	29.1	(26.8-31.5)	28.5	(23.1-34.5)	23.7	(17.0-31.9)	20.8	(13.6-30.4)
50 +	17.3	(16.0-18.8)	16.0	(14.6-17.6)	24.9	(20.2-30.3)	26.9	(19.2-36.3)	18.0	(9.2-32.1)
<b>Gender</b>										
Male	27.2	(25.1-29.3)	26.1	(23.8-28.4)	33.6	(27.2-40.7)	28.3	(20.3-38.1)	25.5	(16.8-36.7)
Female	19.6	(18.2-21.2)	19.9	(18.2-21.7)	21.5	(17.4-26.2)	19.2	(13.1-27.3)	11.3	(5.9-20.5)
<b>Education</b>										
High school graduate or less	31.9	(29.7-34.3)	31.7	(29.1-34.4)	33.9	(27.7-40.6)	37.7	(26.6-50.1)	23.5	(14.7-35.3)
Some college or more	16.7	(15.4-18.1)	16.3	(14.9-17.8)	20.7	(16.5-25.8)	13.6	(9.6-18.7)	16.5	(9.4-27.3)
<b>Household Income</b>										
< \$35,000	30.4	(28.2-32.8)	29.5	(27.0-32.2)	34.2	(28.7-40.2)	34.2	(24.9-45.0)	24.8	(16.2-36.0)
\$35,000 +	17.1	(15.6-18.8)	17.5	(15.8-19.3)	15.2	(10.5-21.4)	13.9	(8.4-22.1)	16.2	(7.9-30.1)

<sup>a</sup> 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.  
<sup>b</sup> Michigan estimates include all racial groups.

**Table 16: Heavy Drinking<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>7.0</b>	<b>(6.3-7.9)</b>	<b>7.6</b>	<b>(6.8-8.5)</b>	<b>3.8</b>	<b>(2.4-5.9)</b>	<b>8.5</b>	<b>(4.5-15.4)</b>	<b>5.7</b>	<b>(3.0-10.5)</b>
<b>Age</b>										
18 - 49	8.0	(6.8-9.4)	8.7	(7.3-10.3)	4.6	(2.7-7.8)	9.6	(4.5-19.1)	5.5	(2.4-12.0)
50 +	6.0	(5.2-6.9)	6.5	(5.6-7.4)	2.6	(1.1-5.7)	5.4	(2.5-11.5)	6.2	(2.3-15.5)
<b>Gender</b>										
Male	8.7	(7.5-10.1)	9.4	(8.0-11.0)	4.8	(2.5-9.0)	10.2	(4.3-22.0)	6.8	(3.1-14.3)
Female	5.5	(4.7-6.4)	5.9	(5.1-7.0)	2.9	(1.6-5.2)	6.2	(2.8-13.0)	3.9	(1.3-11.3)
<b>Education</b>										
High school graduate or less	7.5	(6.3-9.0)	8.0	(6.6-9.7)	4.4	(2.4-8.2)	11.8	(4.8-26.2)	3.5	(0.9-12.8)
Some college or more	6.8	(6.0-7.8)	7.3	(6.4-8.4)	3.2	(1.7-5.9)	5.7	(2.7-11.8)	8.2	(4.1-15.6)
<b>Household Income</b>										
< \$35,000	6.6	(5.4-8.1)	7.1	(5.7-8.8)	4.3	(2.4-7.4)	11.1	(3.9-27.8)	4.8	(1.7-12.7)
\$35,000 +	7.9	(6.9-9.1)	8.4	(7.3-9.7)	2.2	(0.9-5.2)	7.2	(3.2-15.4)	9.9	(4.4-20.8)

<sup>a</sup> The proportion who reported consuming on average more than two alcoholic beverages per day for men or more than one per day for women in the previous month.  
<sup>b</sup> Michigan estimates include all racial groups.

**Table 17: Binge Drinking<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>19.7</b>	<b>(18.5-20.9)</b>	<b>20.4</b>	<b>(19.1-21.8)</b>	<b>15.6</b>	<b>(12.4-19.4)</b>	<b>20.5</b>	<b>(14.8-27.7)</b>	<b>21.6</b>	<b>(15.4-29.3)</b>
<b>Age</b>										
18 - 49	26.6	(24.7-28.6)	28.5	(26.3-30.9)	19.5	(14.8-25.1)	21.1	(14.1-30.4)	23.4	(15.9-33.2)
50 +	11.8	(10.7-13.1)	11.7	(10.5-13.1)	9.7	(6.6-14.0)	18.8	(11.7-28.7)	17.1	(8.5-31.2)
<b>Gender</b>										
Male	27.3	(25.3-29.3)	28.1	(25.9-30.4)	23.0	(17.2-30.0)	28.2	(19.2-39.3)	26.6	(17.7-37.9)
Female	12.7	(11.4-14.0)	13.4	(12.0-14.9)	9.5	(6.8-13.1)	10.1	(6.0-16.5)	13.8	(7.7-23.5)
<b>Education</b>										
High school graduate or less	19.6	(17.7-21.7)	19.8	(17.7-22.2)	17.7	(12.6-24.3)	25.6	(15.6-39.1)	15.9	(8.4-28.0)
Some college or more	20.0	(18.6-21.5)	20.8	(19.2-22.5)	13.7	(10.3-18.2)	16.0	(10.8-23.1)	28.0	(19.1-39.1)
<b>Household Income</b>										
< \$35,000	19.1	(17.1-21.2)	18.8	(16.6-21.2)	18.5	(14.0-24.2)	23.7	(13.9-37.4)	20.0	(12.5-30.4)
\$35,000 +	21.7	(20.1-23.4)	22.6	(20.8-24.4)	10.2	(6.8-15.1)	21.6	(14.1-31.5)	27.8	(17.2-41.7)

<sup>a</sup> The proportion who reported consuming five or more drinks per occasion at least once in the previous month.

<sup>b</sup> Michigan estimates include all racial groups.

**Table 18: Seatbelt Use<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>88.7</b>	<b>(87.7-89.7)</b>	<b>89.0</b>	<b>(87.9-90.1)</b>	<b>86.6</b>	<b>(83.1-89.4)</b>	<b>88.6</b>	<b>(84.2-91.9)</b>	<b>89.8</b>	<b>(83.1-94.1)</b>
<b>Age</b>										
18 - 49	86.3	(84.5-87.8)	86.1	(84.0-87.9)	85.1	(79.8-89.2)	88.6	(83.2-92.4)	90.0	(81.6-94.8)
50 +	91.7	(90.6-92.7)	92.2	(91.1-93.2)	88.9	(85.2-91.8)	88.6	(80.1-93.8)	89.5	(74.7-96.1)
<b>Gender</b>										
Male	84.7	(82.9-86.4)	84.6	(82.5-86.5)	82.7	(76.1-87.8)	85.7	(78.6-90.7)	90.6	(81.5-95.4)
Female	92.5	(91.5-93.5)	93.2	(92.0-94.2)	89.9	(86.6-92.4)	92.5	(87.8-95.5)	88.7	(76.2-95.0)
<b>Education</b>										
High school graduate or less	86.2	(84.2-88.0)	86.7	(84.4-88.7)	82.3	(76.0-87.2)	87.5	(80.0-92.5)	89.1	(77.6-95.0)
Some college or more	90.7	(89.6-91.7)	90.7	(89.5-91.8)	90.6	(87.3-93.1)	90.1	(84.3-93.8)	91.8	(82.8-96.3)
<b>Household Income</b>										
< \$35,000	86.8	(84.9-88.5)	87.1	(84.9-89.1)	84.2	(79.1-88.3)	90.4	(84.6-94.1)	89.5	(80.2-94.7)
\$35,000 +	90.6	(89.3-91.7)	90.7	(89.3-91.9)	90.1	(85.0-93.6)	87.7	(79.8-92.7)	91.2	(80.0-96.4)

<sup>a</sup> The proportion who reported always using a seatbelt when driving or riding in a car.  
<sup>b</sup> Michigan estimates include all racial groups.

**Table 19: Ever Told High Blood Pressure<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>34.2</b>	<b>(32.9-35.4)</b>	<b>33.9</b>	<b>(32.6-35.4)</b>	<b>41.0</b>	<b>(37.0-45.1)</b>	<b>24.4</b>	<b>(19.5-30.1)</b>	<b>26.4</b>	<b>(19.7-34.3)</b>
<b>Age</b>										
18 - 49	18.5	(16.9-20.2)	17.7	(15.9-19.6)	26.1	(21.3-31.7)	14.4	(9.4-21.5)	12.6	(6.8-22.1)
50 +	53.4	(51.7-55.1)	51.6	(49.8-53.5)	65.4	(60.0-70.4)	52.9	(43.9-61.7)	60.6	(47.4-72.5)
<b>Gender</b>										
Male	35.8	(33.9-37.8)	36.0	(33.8-38.2)	38.9	(32.7-45.5)	25.7	(18.5-34.5)	34.3	(24.4-45.9)
Female	32.6	(31.0-34.3)	32.1	(30.3-33.9)	42.8	(37.9-47.9)	22.6	(17.1-29.3)	13.9	(8.7-21.5)
<b>Education</b>										
High school graduate or less	37.1	(34.9-39.3)	36.9	(34.5-39.3)	46.1	(39.8-52.4)	24.7	(16.6-35.2)	23.1	(14.9-34.0)
Some college or more	31.9	(30.4-33.5)	31.8	(30.1-33.5)	36.1	(31.2-41.3)	24.3	(18.8-30.7)	29.0	(19.3-41.0)
<b>Household Income</b>										
< \$35,000	39.5	(37.3-41.7)	39.7	(37.2-42.2)	44.2	(38.8-49.9)	28.3	(21.0-37.1)	28.3	(18.9-40.0)
\$35,000 +	30.8	(29.1-32.5)	31.0	(29.1-32.9)	34.0	(27.9-40.7)	22.1	(15.9-29.9)	26.8	(16.6-40.3)

<sup>a</sup> The proportion who reported that they were ever told by a doctor that they had high blood pressure (HBP). Women who had HBP only during pregnancy and adults who were borderline hypertensive were considered to not have been diagnosed.

<sup>b</sup> Michigan estimates include all racial groups.

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**Table 20: Cholesterol Ever Checked<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>81.1</b>	<b>(79.7-82.4)</b>	<b>82.7</b>	<b>(81.2-84.1)</b>	<b>77.9</b>	<b>(73.8-81.5)</b>	<b>70.5</b>	<b>(62.1-77.8)</b>	<b>69.2</b>	<b>(60.3-76.8)</b>
<b>Age</b>										
18 - 49	68.7	(66.5-70.9)	69.8	(67.2-72.2)	68.9	(62.9-74.3)	63.1	(52.6-72.4)	59.2	(48.2-69.2)
50 +	95.7	(94.9-96.4)	96.4	(95.5-97.1)	92.2	(88.1-95.0)	90.7	(83.7-94.9)	94.6	(83.2-98.4)
<b>Gender</b>										
Male	77.6	(75.4-79.6)	79.7	(77.3-81.8)	74.3	(67.4-80.1)	64.7	(52.9-74.9)	65.0	(52.8-75.5)
Female	84.4	(82.7-86.0)	85.5	(83.6-87.2)	81.0	(76.1-85.1)	78.8	(67.5-87.0)	75.8	(63.6-84.9)
<b>Education</b>										
High school graduate or less	76.3	(73.9-78.6)	78.4	(75.7-80.9)	73.6	(66.9-79.4)	63.0	(47.7-76.0)	61.2	(48.2-72.7)
Some college or more	84.7	(83.2-86.0)	85.8	(84.2-87.3)	82.0	(77.1-86.0)	76.7	(68.4-83.3)	77.1	(64.8-86.0)
<b>Household Income</b>										
< \$35,000	75.2	(72.8-77.5)	77.3	(74.5-79.8)	74.6	(68.8-79.6)	63.7	(50.1-75.5)	60.4	(48.5-71.2)
\$35,000 +	87.6	(86.0-89.1)	87.9	(86.2-89.5)	89.1	(83.0-93.2)	80.7	(71.1-87.6)	81.8	(65.2-91.5)

<sup>a</sup> The proportion who reported ever having had their blood cholesterol checked.

<sup>b</sup> Michigan estimates include all racial groups.

**Table 21: Ever Told High Cholesterol<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>41.8</b>	<b>(40.4-43.3)</b>	<b>43.4</b>	<b>(41.8-45.0)</b>	<b>35.4</b>	<b>(31.3-39.8)</b>	<b>33.5</b>	<b>(27.4-40.3)</b>	<b>38.7</b>	<b>(29.6-48.7)</b>
<b>Age</b>										
18 - 49	25.9	(23.7-28.2)	27.0	(24.5-29.6)	23.4	(17.9-30.0)	19.2	(12.9-27.4)	22.5	(12.9-36.3)
50 +	55.6	(53.9-57.3)	56.0	(54.1-57.8)	49.7	(44.3-55.1)	60.5	(51.4-68.9)	64.3	(51.1-75.7)
<b>Gender</b>										
Male	44.4	(42.2-46.7)	46.4	(43.9-48.9)	33.4	(26.8-40.6)	38.2	(28.8-48.6)	46.3	(33.0-60.2)
Female	39.5	(37.7-41.4)	40.9	(38.8-43.0)	37.1	(31.9-42.6)	28.0	(21.0-36.3)	28.2	(18.4-40.7)
<b>Education</b>										
High school graduate or less	46.7	(44.2-49.2)	48.4	(45.6-51.1)	39.7	(33.1-46.7)	41.7	(29.8-54.6)	41.8	(27.6-57.4)
Some college or more	38.6	(36.9-40.4)	40.1	(38.2-42.1)	31.8	(26.7-37.5)	28.5	(22.0-36.0)	36.8	(25.4-49.8)
<b>Household Income</b>										
< \$35,000	45.5	(43.1-48.0)	48.3	(45.5-51.2)	37.2	(31.5-43.4)	41.4	(31.7-51.9)	41.0	(27.2-56.4)
\$35,000 +	39.9	(38.0-41.9)	41.3	(39.2-43.4)	31.2	(24.7-38.5)	29.7	(21.4-39.6)	33.9	(22.2-48.0)

<sup>a</sup> The proportion who reported that a doctor, nurse, or other health professional had told them that their cholesterol was high among those who ever had their blood cholesterol checked.

<sup>b</sup> Michigan estimates include all racial groups.

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**Table 22: No Routine Checkup in Past Year<sup>a</sup> by Race-Ethnicity**  
**2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>33.5</b>	<b>(32.2-34.9)</b>	<b>34.4</b>	<b>(32.8-35.9)</b>	<b>24.8</b>	<b>(21.2-28.8)</b>	<b>40.4</b>	<b>(33.3-47.9)</b>	<b>39.8</b>	<b>(31.6-48.6)</b>
<b>Age</b>										
18 - 49	42.9	(40.7-45.0)	44.9	(42.4-47.4)	29.9	(24.7-35.8)	45.8	(36.7-55.2)	48.0	(37.4-58.7)
50 +	22.3	(20.9-23.8)	23.1	(21.5-24.7)	16.4	(12.7-20.9)	24.8	(17.6-33.6)	19.5	(12.2-29.7)
<b>Gender</b>										
Male	38.7	(36.5-40.8)	39.1	(36.7-41.5)	30.4	(24.3-37.3)	50.4	(40.0-60.7)	42.7	(31.4-54.7)
Female	28.7	(27.0-30.4)	30.0	(28.1-32.1)	19.9	(16.0-24.4)	26.7	(19.8-35.0)	35.5	(24.7-48.0)
<b>Education</b>										
High school graduate or less	35.6	(33.3-38.0)	36.0	(33.4-38.6)	30.8	(24.9-37.5)	41.1	(28.9-54.4)	40.7	(29.0-53.6)
Some college or more	31.9	(30.3-33.6)	33.2	(31.4-35.1)	19.0	(15.2-23.5)	39.5	(32.0-47.6)	38.9	(28.0-51.0)
<b>Household Income</b>										
< \$35,000	37.4	(35.1-39.8)	38.9	(36.2-41.6)	28.3	(23.2-34.0)	46.8	(35.3-58.6)	45.0	(33.6-56.9)
\$35,000 +	31.7	(29.8-33.6)	32.3	(30.3-34.4)	19.2	(14.2-25.5)	40.3	(31.0-50.3)	35.9	(22.9-51.3)

<sup>a</sup> The proportion who reported that they did not have a routine checkup in the past year.  
<sup>b</sup> Michigan estimates include all racial groups.

**Table 23: Had Flu Vaccine in Past Year among Adults 65 Years and Older<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>58.0</b>	<b>(55.5-60.4)</b>	<b>58.3</b>	<b>(55.7-60.9)</b>	<b>47.0</b>	<b>(39.2-55.0)</b>	<b>68.7</b>	<b>(56.3-78.9)</b>	--- <sup>c</sup>	
<b>Gender</b>										
Male	56.4	(52.4-60.3)	55.2	(50.9-59.5)	57.6	(43.9-70.2)		--- <sup>c</sup>		--- <sup>c</sup>
Female	59.2	(56.1-62.1)	60.6	(57.2-63.8)	39.8	(31.6-48.6)	70.1	(56.8-80.8)		--- <sup>c</sup>
<b>Education</b>										
High school graduate or less	55.7	(52.0-59.4)	55.4	(51.3-59.3)	46.5	(35.8-57.6)	73.2	(56.8-85.0)		--- <sup>c</sup>
Some college or more	60.6	(57.4-63.6)	61.6	(58.3-64.8)	47.7	(36.7-58.9)	64.0	(45.5-79.0)		--- <sup>c</sup>
<b>Household Income</b>										
< \$35,000	53.4	(49.6-57.1)	53.2	(49.2-57.2)	43.7	(33.3-54.7)	63.4	(46.7-77.5)		--- <sup>c</sup>
\$35,000 +	62.4	(58.5-66.1)	62.6	(58.5-66.5)	56.9	(42.9-69.9)		--- <sup>c</sup>		--- <sup>c</sup>

<sup>a</sup> The proportion of those aged 65 years and older 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.

<sup>b</sup> Michigan estimates include all racial groups.

<sup>c</sup> Denominator cell size < 50.

**Table 24: Ever Had Pneumonia Vaccine among Adults 65 Years and Older<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>67.1</b>	<b>(64.7-69.4)</b>	<b>68.4</b>	<b>(65.8-70.9)</b>	<b>56.2</b>	<b>(48.1-64.0)</b>	<b>64.1</b>	<b>(50.8-75.6)</b>	--- <sup>c</sup>	
<b>Gender</b>										
Male	63.2	(59.1-67.1)	63.7	(59.3-67.8)	59.2	(44.7-72.3)		--- <sup>c</sup>		--- <sup>c</sup>
Female	69.9	(67.0-72.7)	71.8	(68.6-74.7)	54.2	(44.8-63.3)	72.1	(57.5-83.2)		--- <sup>c</sup>
<b>Education</b>										
High school graduate or less	66.4	(62.7-69.9)	67.2	(63.1-70.9)	55.5	(44.5-66.1)	75.5	(58.8-87.0)		--- <sup>c</sup>
Some college or more	68.4	(65.3-71.3)	69.8	(66.6-72.8)	57.0	(45.1-68.2)	52.7	(34.6-70.1)		--- <sup>c</sup>
<b>Household Income</b>										
< \$35,000	66.9	(63.3-70.4)	68.5	(64.5-72.2)	53.5	(42.5-64.1)	60.9	(43.6-75.9)		--- <sup>c</sup>
\$35,000 +	68.5	(64.6-72.1)	68.6	(64.5-72.4)	69.0	(54.6-80.4)		--- <sup>c</sup>		--- <sup>c</sup>

<sup>a</sup> The proportion of those aged 65 years and older who reported that they ever had a pneumococcal vaccine.

<sup>b</sup> Michigan estimates include all racial groups.

<sup>c</sup> Denominator cell size < 50.

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**Table 25: Ever Had an HIV Test among Adults 18 – 64 Years of Age<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>41.3</b>	<b>(39.6-43.0)</b>	<b>36.5</b>	<b>(34.7-38.3)</b>	<b>64.6</b>	<b>(59.7-69.2)</b>	<b>42.5</b>	<b>(34.6-50.7)</b>	<b>51.8</b>	<b>(42.5-61.0)</b>
<b>Age</b>										
18 - 49	47.8	(45.6-50.1)	43.7	(41.2-46.2)	69.1	(62.7-74.8)	45.2	(35.8-54.9)	53.3	(42.3-64.0)
50 - 64	28.0	(25.9-30.2)	23.4	(21.2-25.7)	54.4	(47.4-61.3)	29.8	(20.8-40.6)	46.0	(30.6-62.3)
<b>Gender</b>										
Male	37.8	(35.4-40.3)	32.6	(30.0-35.3)	65.2	(57.3-72.4)	41.0	(30.3-52.5)	47.8	(35.1-60.8)
Female	44.8	(42.5-47.0)	40.4	(38.0-42.9)	64.2	(58.1-69.8)	43.8	(33.3-54.8)	57.5	(44.6-69.5)
<b>Education</b>										
High school graduate or less	38.2	(35.4-41.1)	33.7	(30.6-37.0)	55.6	(47.7-63.1)	42.4	(29.1-56.9)	46.6	(33.0-60.7)
Some college or more	43.5	(41.5-45.5)	38.4	(36.3-40.6)	72.5	(67.1-77.4)	42.2	(34.0-51.0)	57.4	(44.9-69.1)
<b>Household Income</b>										
< \$35,000	47.5	(44.6-50.4)	40.8	(37.4-44.2)	65.8	(59.1-71.9)	51.8	(38.5-64.9)	48.8	(36.4-61.4)
\$35,000 +	39.9	(37.7-42.1)	37.0	(34.7-39.3)	69.8	(62.2-76.5)	36.2	(26.9-46.7)	50.9	(35.8-65.9)

<sup>a</sup> The proportion of those aged 18-64 years who reported that they ever had been tested for HIV, apart from tests that were part of a blood donation.

<sup>b</sup> Michigan estimates include all racial groups.

**Table 26: Lifetime Asthma Prevalence - Adult<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>14.8</b>	<b>(13.8-15.9)</b>	<b>14.2</b>	<b>(13.1-15.3)</b>	<b>17.5</b>	<b>(14.5-20.9)</b>	<b>17.6</b>	<b>(12.4-24.2)</b>	<b>15.2</b>	<b>(10.0-22.5)</b>
<b>Age</b>										
18 - 49	16.0	(14.5-17.7)	15.5	(13.8-17.4)	17.8	(13.7-22.8)	17.4	(11.1-26.2)	16.1	(9.6-25.8)
50 +	13.3	(12.1-14.5)	12.7	(11.5-14.0)	16.9	(13.1-21.6)	18.0	(11.8-26.4)	13.1	(6.7-24.0)
<b>Gender</b>										
Male	12.7	(11.4-14.3)	11.7	(10.2-13.3)	17.1	(12.4-23.1)	16.3	(9.8-25.6)	13.9	(7.5-24.4)
Female	16.8	(15.4-18.2)	16.4	(14.9-18.1)	17.8	(14.3-22.0)	19.4	(12.1-29.7)	17.3	(10.0-28.4)
<b>Education</b>										
High school graduate or less	15.2	(13.5-17.0)	14.3	(12.5-16.2)	18.6	(14.1-24.0)	22.2	(13.0-35.3)	12.5	(6.6-22.2)
Some college or more	14.5	(13.3-15.8)	14.1	(12.8-15.5)	16.4	(12.6-21.1)	13.8	(9.4-20.0)	18.1	(10.3-29.9)
<b>Household Income</b>										
< \$35,000	16.4	(14.7-18.2)	15.9	(14.0-18.0)	17.5	(13.5-22.3)	16.6	(11.0-24.5)	19.0	(11.2-30.2)
\$35,000 +	13.0	(11.7-14.4)	13.1	(11.7-14.6)	14.7	(10.4-20.6)	10.4	(5.5-18.8)	7.1	(2.8-16.7)

<sup>a</sup> The proportion who reported that they were told by a doctor, nurse, or other health care professional that they had asthma.  
<sup>b</sup> Michigan estimates include all racial groups.

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**Table 27: Current Asthma Prevalence - Adult<sup>a</sup> by Race-Ethnicity**  
**2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>9.9</b>	<b>(9.1-10.8)</b>	<b>9.4</b>	<b>(8.5-10.4)</b>	<b>12.2</b>	<b>(9.7-15.2)</b>	<b>11.2</b>	<b>(7.1-17.2)</b>	<b>10.7</b>	<b>(6.3-17.5)</b>
<b>Age</b>										
18 - 49	10.1	(8.9-11.5)	9.8	(8.4-11.4)	11.1	(7.9-15.3)	11.1	(6.0-19.5)	10.3	(5.2-19.5)
50 +	9.6	(8.6-10.8)	9.0	(7.9-10.1)	13.9	(10.3-18.5)	11.5	(7.7-16.9)	11.7	(5.6-22.7)
<b>Gender</b>										
Male	7.6	(6.5-8.8)	6.7	(5.6-7.9)	10.6	(7.0-15.8)	11.0	(5.9-19.7)	11.3	(5.5-21.9)
Female	12.1	(10.9-13.4)	11.9	(10.6-13.4)	13.5	(10.4-17.4)	11.4	(5.8-21.2)	9.7	(4.8-18.4)
<b>Education</b>										
High school graduate or less	11.1	(9.6-12.7)	10.3	(8.8-12.1)	14.5	(10.6-19.6)	15.7	(7.9-28.7)	7.3	(3.4-14.9)
Some college or more	9.0	(8.1-10.1)	8.8	(7.7-9.9)	9.9	(7.1-13.6)	7.5	(5.0-11.0)	14.2	(7.2-26.4)
<b>Household Income</b>										
< \$35,000	11.7	(10.3-13.3)	11.3	(9.7-13.1)	12.0	(8.8-16.2)	10.7	(6.9-16.2)	17.2	(9.8-28.5)
\$35,000 +	8.2	(7.2-9.4)	8.4	(7.3-9.7)	9.4	(5.9-14.7)	4.6	(2.3-8.9)	3.4	(0.8-13.9)

<sup>a</sup> The proportion who reported that they still had asthma.  
<sup>b</sup> Michigan estimates include all racial groups.

**Table 28: Ever Told Chronic Obstructive Pulmonary Disease (COPD)<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>8.0</b>	<b>(7.3-8.7)</b>	<b>7.9</b>	<b>(7.2-8.8)</b>	<b>9.9</b>	<b>(7.6-12.7)</b>	<b>7.1</b>	<b>(4.9-10.1)</b>	<b>3.7</b>	<b>(1.9-7.4)</b>
<b>Age</b>										
18 - 49	4.3	(3.5-5.2)	3.9	(3.1-4.9)	6.8	(4.2-10.7)	4.1	(2.1-7.6)	3.5	(1.4-8.1)
50 +	12.5	(11.4-13.7)	12.3	(11.1-13.6)	15.1	(11.4-19.6)	15.6	(10.6-22.3)	4.4	(1.4-13.1)
<b>Gender</b>										
Male	6.8	(5.8-7.9)	6.9	(5.8-8.1)	8.4	(5.1-13.3)	6.3	(3.5-11.1)	2.7	(1.0-7.5)
Female	9.1	(8.1-10.2)	8.9	(7.8-10.1)	11.3	(8.4-14.9)	8.1	(5.3-12.1)	5.3	(2.1-12.9)
<b>Education</b>										
High school graduate or less	10.7	(9.4-12.1)	11.3	(9.8-13.0)	10.4	(7.2-14.6)	8.7	(5.1-14.5)	2.5	(0.8-8.0)
Some college or more	5.9	(5.2-6.8)	5.4	(4.7-6.3)	9.5	(6.5-13.6)	5.8	(3.6-9.2)	5.1	(2.1-11.7)
<b>Household Income</b>										
< \$35,000	11.5	(10.2-12.8)	12.2	(10.7-13.9)	10.7	(7.9-14.5)	11.3	(7.4-17.0)	3.6	(1.5-8.8)
\$35,000 +	5.2	(4.3-6.1)	5.1	(4.2-6.0)	7.5	(3.7-14.3)	3.1	(1.3-7.5)	5.2	(1.6-15.6)

<sup>a</sup> The proportion who reported ever being told by a doctor that they had chronic obstructive pulmonary disease (COPD), emphysema or chronic bronchitis.

<sup>b</sup> Michigan estimates include all racial groups.

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**Table 29: Ever Told Arthritis<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>31.0</b>	<b>(29.8-32.2)</b>	<b>32.3</b>	<b>(30.9-33.7)</b>	<b>29.6</b>	<b>(26.1-33.3)</b>	<b>19.0</b>	<b>(15.2-23.6)</b>	<b>22.2</b>	<b>(15.9-30.1)</b>
<b>Age</b>										
18 - 49	15.5	(14.0-17.1)	16.2	(14.4-18.1)	14.9	(11.1-19.7)	10.5	(7.1-15.5)	13.0	(6.9-23.0)
50 +	49.8	(48.1-51.5)	49.6	(47.8-51.5)	53.7	(48.4-58.9)	43.4	(35.1-52.1)	44.5	(31.9-57.9)
<b>Gender</b>										
Male	27.3	(25.5-29.2)	28.9	(26.9-31.0)	23.4	(18.6-29.1)	14.9	(10.2-21.4)	22.0	(13.5-33.7)
Female	34.4	(32.8-36.1)	35.4	(33.5-37.3)	35.0	(30.3-39.9)	24.7	(18.9-31.4)	22.6	(14.7-33.0)
<b>Education</b>										
High school graduate or less	35.0	(32.9-37.2)	37.0	(34.6-39.5)	33.9	(28.4-39.9)	17.6	(12.0-25.1)	20.9	(13.1-31.6)
Some college or more	27.9	(26.5-29.4)	28.8	(27.3-30.5)	25.5	(21.4-30.1)	20.3	(15.4-26.2)	23.9	(14.7-36.4)
<b>Household Income</b>										
< \$35,000	36.3	(34.2-38.5)	39.6	(37.1-42.1)	31.0	(26.3-36.2)	28.7	(21.2-37.6)	19.4	(11.8-30.2)
\$35,000 +	26.4	(24.8-28.1)	27.3	(25.5-29.1)	23.5	(18.5-29.2)	11.5	(7.4-17.3)	27.0	(15.9-42.0)

<sup>a</sup> The proportion who had ever being told by a health care professional that they had some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia.

<sup>b</sup> Michigan estimates include all racial groups.

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<b>Table 30: Ever Told Heart Attack<sup>a</sup> by Race-Ethnicity</b>										
<b>2011 Michigan BRFSS</b>										
<b>Demographic Characteristics</b>	<b>Michigan<sup>b</sup></b>		<b>White, Non-Hispanic</b>		<b>Black, Non-Hispanic</b>		<b>Other/Multiracial, Non-Hispanic</b>		<b>Hispanic</b>	
	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>5.3</b>	<b>(4.8-5.9)</b>	<b>5.3</b>	<b>(4.7-5.9)</b>	<b>5.1</b>	<b>(3.7-7.1)</b>	<b>4.4</b>	<b>(2.6-7.1)</b>	<b>7.1</b>	<b>(3.5-14.0)</b>
<b>Age</b>										
18 - 49	1.0	(0.7-1.6)	1.0	(0.6-1.5)	0.9	(0.3-2.5)	0.9	(0.3-2.6)	2.6	(0.4-16.2)
50 +	10.5	(9.4-11.6)	9.9	(8.8-11.1)	12.1	(8.6-16.6)	14.1	(8.4-22.8)	18.5	(9.5-32.7)
<b>Gender</b>										
Male	6.4	(5.5-7.4)	6.3	(5.4-7.3)	6.3	(3.8-10.2)	4.4	(2.0-9.4)	9.3	(4.0-20.3)
Female	4.3	(3.7-5.1)	4.3	(3.6-5.2)	4.1	(2.7-6.1)	4.3	(2.6-6.9)	3.7	(1.2-10.5)
<b>Education</b>										
High school graduate or less	7.5	(6.4-8.6)	7.9	(6.7-9.3)	6.0	(4.0-9.0)	5.0	(2.2-11.2)	6.8	(2.6-16.3)
Some college or more	3.6	(3.1-4.3)	3.3	(2.8-3.9)	4.3	(2.5-7.3)	3.8	(2.3-6.4)	7.6	(2.6-20.2)
<b>Household Income</b>										
< \$35,000	7.8	(6.7-9.0)	8.4	(7.2-9.9)	5.3	(3.7-7.6)	5.9	(3.6-9.4)	9.7	(4.0-21.9)
\$35,000 +	3.1	(2.5-3.8)	3.1	(2.5-3.8)	3.5	(1.4-8.5)	1.8	(0.6-4.9)	5.4	(1.8-15.1)
<sup>a</sup> The proportion who had ever been told by a doctor that they had a heart attack or myocardial infarction. <sup>b</sup> Michigan estimates include all racial groups.										

**Table 31: Ever Told Angina or Coronary Heart Disease<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	5.0	(4.4-5.5)	5.1	(4.5-5.7)	3.7	(2.5-5.3)	5.3	(3.4-8.4)	6.6	(3.0-13.9)
<b>Age</b>										
18 - 49	0.9	(0.6-1.5)	0.7	(0.4-1.3)	0.4	(0.1-2.2)	1.7	(0.7-4.6)	4.3	(1.1-15.5)
50 +	9.9	(8.9-11.0)	9.7	(8.7-10.9)	9.1	(6.3-13.0)	15.7	(9.7-24.4)	12.5	(5.3-26.6)
<b>Gender</b>										
Male	5.8	(5.0-6.7)	5.9	(5.0-6.9)	4.7	(2.7-8.0)	4.9	(2.4-9.9)	8.3	(3.3-19.5)
Female	4.2	(3.6-4.9)	4.3	(3.6-5.1)	2.8	(1.8-4.3)	6.0	(3.5-10.0)	4.0	(1.0-14.9)
<b>Education</b>										
High school graduate or less	8.3	(3.3-19.5)	6.5	(5.5-7.8)	3.3	(2.0-5.2)	5.4	(2.4-11.4)	4.5	(1.4-13.7)
Some college or more	4.0	(1.0-14.9)	4.0	(3.4-4.6)	4.1	(2.3-6.9)	5.3	(3.1-9.0)	8.9	(3.2-22.3)
<b>Household Income</b>										
< \$35,000	6.7	(5.8-7.8)	7.3	(6.2-8.6)	4.0	(2.7-5.8)	8.2	(5.0-13.3)	8.4	(3.1-20.9)
\$35,000 +	3.6	(2.9-4.3)	3.6	(2.9-4.4)	3.3	(1.2-8.4)	2.3	(1.0-5.3)	5.8	(1.5-19.5)

<sup>a</sup> The proportion who had ever been told by a doctor that they had angina or coronary heart disease.  
<sup>b</sup> Michigan estimates include all racial groups.

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Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>3.3</b>	<b>(2.9-3.8)</b>	<b>3.0</b>	<b>(2.5-3.5)</b>	<b>4.9</b>	<b>(3.4-7.1)</b>	<b>3.4</b>	<b>(2.1-5.4)</b>	<b>3.1</b>	<b>(1.2-7.9)</b>
<b>Age</b>										
18 - 49	0.9	(0.6-1.4)	0.6	(0.4-1.1)	2.4	(1.0-5.4)	1.2	(0.4-3.9)	0.6	(0.1-4.0)
50 +	6.1	(5.3-7.0)	5.5	(4.6-6.4)	9.2	(6.2-13.4)	9.6	(6.0-14.8)	9.4	(3.3-24.0)
<b>Gender</b>										
Male	3.1	(2.5-3.8)	2.7	(2.1-3.4)	5.0	(2.9-8.4)	2.4	(0.9-5.7)	3.4	(0.9-12.3)
Female	3.5	(2.9-4.2)	3.2	(2.6-4.0)	4.9	(2.9-8.2)	4.8	(2.9-7.7)	2.7	(1.0-7.4)
<b>Education</b>										
High school graduate or less	4.6	(3.8-5.6)	4.2	(3.4-5.3)	7.0	(4.4-10.8)	3.0	(1.6-5.7)	4.6	(1.4-14.0)
Some college or more	2.2	(1.8-2.7)	2.0	(1.6-2.5)	3.0	(1.6-5.8)	3.7	(1.9-7.0)	1.6	(0.4-6.9)
<b>Household Income</b>										
< \$35,000	5.6	(4.7-6.6)	5.7	(4.6-6.9)	5.7	(3.7-8.8)	4.4	(2.6-7.4)	4.8	(1.6-13.6)
\$35,000 +	1.4	(1.1-2.0)	1.2	(0.9-1.6)	3.6	(1.3-9.9)	2.9	(1.1-7.6)	1.3	(0.2-8.8)

<sup>a</sup> The proportion who had ever been told by a doctor that they had a stroke.  
<sup>b</sup> Michigan estimates include all racial groups.

**Table 33: Ever Told Any Cardiovascular Disease<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>9.5</b>	<b>(8.8-10.3)</b>	<b>9.4</b>	<b>(8.6-10.3)</b>	<b>10.1</b>	<b>(8.0-12.7)</b>	<b>8.4</b>	<b>(5.9-11.7)</b>	<b>9.5</b>	<b>(5.3-16.5)</b>
<b>Age</b>										
18 - 49	2.2	(1.7-2.9)	1.8	(1.3-2.5)	3.2	(1.6-6.2)	3.1	(1.5-6.4)	4.8	(1.4-15.4)
50 +	18.4	(17.0-19.8)	17.7	(16.3-19.2)	21.4	(17.2-26.4)	23.4	(16.6-32.0)	21.3	(11.9-35.0)
<b>Gender</b>										
Male	10.4	(9.3-11.6)	10.5	(9.3-11.8)	10.6	(7.4-14.8)	7.3	(4.2-12.7)	10.1	(4.6-20.8)
Female	8.7	(7.8-9.7)	8.4	(7.4-9.5)	9.7	(7.1-13.2)	9.8	(6.5-14.4)	8.6	(3.8-18.4)
<b>Education</b>										
High school graduate or less	12.6	(11.3-14.0)	12.9	(11.4-14.6)	13.4	(9.9-17.8)	7.5	(4.1-13.4)	8.4	(3.8-17.6)
Some college or more	7.1	(6.3-7.9)	6.9	(6.1-7.7)	7.0	(4.8-10.0)	9.2	(6.1-13.6)	10.8	(4.6-23.2)
<b>Household Income</b>										
< \$35,000	14.0	(12.6-15.5)	15.0	(13.4-16.9)	11.6	(8.8-15.1)	11.7	(7.8-17.2)	10.9	(4.9-22.5)
\$35,000 +	5.9	(5.1-6.8)	5.8	(5.0-6.7)	6.1	(3.1-11.4)	5.5	(2.9-10.3)	10.7	(4.5-23.3)

<sup>a</sup> The proportion who had ever been told by a doctor that they had a heart attack, coronary heart disease or a stroke.

<sup>b</sup> Michigan estimates include all racial groups.

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<b>Table 34: Ever Told Skin Cancer<sup>a</sup> by Race-Ethnicity</b>										
<b>2011 Michigan BRFSS</b>										
<b>Demographic Characteristics</b>	<b>Michigan<sup>b</sup></b>		<b>White, Non-Hispanic</b>		<b>Black, Non-Hispanic</b>		<b>Other/Multiracial, Non-Hispanic</b>		<b>Hispanic</b>	
	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>5.6</b>	<b>(5.1-6.1)</b>	<b>6.7</b>	<b>(6.1-7.4)</b>	<b>0.6</b>	<b>(0.1-2.2)</b>	<b>2.1</b>	<b>(1.1-3.9)</b>	<b>2.8</b>	<b>(0.8-8.9)</b>
<b>Age</b>										
18 - 49	0.9	(0.6-1.3)	1.0	(0.7-1.5)	0.7	(0.1-4.0)	0.3	(0.1-0.9)	0.0	(---)
50 +	11.3	(10.3-12.4)	12.9	(11.8-14.2)	0.3	(0.1-0.7)	7.2	(3.7-13.5)	9.4	(2.9-26.6)
<b>Gender</b>										
Male	5.5	(4.8-6.4)	6.6	(5.8-7.6)	0.2	(0.1-0.5)	2.4	(1.0-5.6)	4.0	(1.0-14.5)
Female	5.6	(4.9-6.4)	6.8	(6.0-7.7)	0.9	(0.2-4.4)	1.7	(0.8-3.4)	0.8	(0.2-3.2)
<b>Education</b>										
High school graduate or less	6.1	(5.2-7.1)	7.3	(6.3-8.5)	0.9	(0.2-5.0)	1.9	(0.6-6.0)	5.1	(1.5-16.4)
Some college or more	5.2	(4.6-5.8)	6.3	(5.6-7.1)	0.2	(0.1-0.7)	2.2	(1.1-4.4)	0.2	(0.1-0.6)
<b>Household Income</b>										
< \$35,000	5.5	(4.7-6.4)	7.3	(6.3-8.5)	0.7	(0.1-4.3)	1.7	(0.7-4.1)	2.4	(0.3-15.1)
\$35,000 +	5.7	(5.0-6.5)	6.5	(5.7-7.4)	0.3	(0.1-1.2)	3.3	(1.4-7.4)	0.2	(0.0-0.8)
<sup>a</sup> The proportion who reported ever being told by a doctor that they had skin cancer. <sup>b</sup> Michigan estimates include all racial groups.										

**Table 35: Ever Told Any Other Type of Cancer<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>7.3</b>	<b>(6.7-7.9)</b>	<b>8.1</b>	<b>(7.4-8.8)</b>	<b>4.6</b>	<b>(3.5-6.0)</b>	<b>5.4</b>	<b>(2.8-10.2)</b>	<b>3.7</b>	<b>(1.6-8.4)</b>
<b>Age</b>										
18 - 49	2.7	(2.1-3.4)	3.0	(2.3-3.9)	0.4	(0.2-1.0)	4.9	(1.9-12.2)	0.9	(0.2-4.5)
50 +	13.1	(12.0-14.2)	13.5	(12.4-14.8)	11.4	(8.6-15.0)	6.9	(4.1-11.4)	10.4	(4.1-24.3)
<b>Gender</b>										
Male	5.7	(4.9-6.6)	6.1	(5.2-7.1)	5.0	(3.1-7.7)	3.7	(1.6-8.1)	4.1	(1.3-12.4)
Female	8.8	(7.9-9.8)	9.9	(8.8-11.1)	4.3	(3.1-5.9)	7.8	(3.0-18.8)	3.0	(1.0-8.5)
<b>Education</b>										
High school graduate or less	8.2	(7.1-9.3)	9.3	(8.1-10.7)	4.1	(2.7-6.1)	6.4	(2.1-17.7)	3.0	(0.5-14.8)
Some college or more	6.7	(6.0-7.5)	7.2	(6.4-8.0)	5.1	(3.5-7.4)	4.6	(2.3-9.0)	4.5	(2.0-10.0)
<b>Household Income</b>										
< \$35,000	8.1	(7.1-9.2)	10.0	(8.7-11.4)	3.8	(2.6-5.6)	4.1	(2.3-7.4)	2.8	(0.5-13.9)
\$35,000 +	6.4	(5.6-7.3)	6.6	(5.7-7.5)	6.3	(3.8-10.3)	3.2	(1.3-7.7)	5.0	(1.9-12.3)

<sup>a</sup> The proportion who reported ever being told by a doctor that they had a form of cancer other than skin cancer.

<sup>b</sup> Michigan estimates include all racial groups.

2011 Michigan BRFSS Estimates by Race-Ethnicity  
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**Table 36: Ever Told Cancer<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>11.8</b>	<b>(11.1-12.6)</b>	<b>13.6</b>	<b>(12.7-14.5)</b>	<b>5.1</b>	<b>(3.8-6.8)</b>	<b>7.1</b>	<b>(4.2-11.8)</b>	<b>5.1</b>	<b>(2.4-10.4)</b>
<b>Age</b>										
18 - 49	3.4	(2.8-4.3)	3.9	(3.1-4.9)	1.1	(0.4-3.6)	5.2	(2.1-12.3)	0.9	(0.2-4.5)
50 +	22.2	(20.8-23.6)	24.0	(22.5-25.6)	11.7	(8.8-15.2)	12.7	(8.2-19.3)	15.2	(7.0-29.9)
<b>Gender</b>										
Male	10.3	(9.3-11.4)	11.7	(10.5-13.0)	5.0	(3.2-7.8)	5.7	(3.0-10.4)	5.9	(2.2-14.9)
Female	13.3	(12.2-14.5)	15.3	(14.0-16.7)	5.2	(3.5-7.6)	9.1	(4.0-19.4)	3.9	(1.6-9.1)
<b>Education</b>										
High school graduate or less	13.1	(11.8-14.5)	15.4	(13.8-17.1)	5.0	(3.2-7.9)	7.8	(3.1-18.5)	5.5	(1.7-16.3)
Some college or more	11.0	(10.1-11.9)	12.3	(11.3-13.4)	5.2	(3.6-7.5)	6.6	(3.9-10.9)	4.7	(2.2-10.1)
<b>Household Income</b>										
< \$35,000	12.4	(11.2-13.8)	15.9	(14.3-17.7)	4.5	(3.0-6.9)	5.9	(3.5-9.6)	2.8	(0.5-13.9)
\$35,000 +	11.1	(10.1-12.3)	12.0	(10.8-13.2)	6.6	(4.1-10.6)	5.6	(2.9-10.7)	5.2	(2.1-12.4)

<sup>a</sup> The proportion who reported ever being told by a doctor that they had skin cancer or any other type of cancer.  
<sup>b</sup> Michigan estimates include all racial groups.

**Table 37: Ever Told Diabetes<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>10.0</b>	<b>(9.3-10.7)</b>	<b>9.5</b>	<b>(8.7-10.3)</b>	<b>12.7</b>	<b>(10.5-15.2)</b>	<b>9.4</b>	<b>(6.8-12.8)</b>	<b>12.5</b>	<b>(8.2-18.6)</b>
<b>Age</b>										
18 - 49	4.1	(3.3-5.0)	3.4	(2.6-4.4)	6.2	(4.0-9.5)	4.2	(2.1-8.1)	8.2	(4.1-15.7)
50 +	17.2	(16.0-18.5)	16.1	(14.8-17.4)	23.4	(19.5-27.7)	24.3	(18.0-32.0)	23.0	(14.0-35.3)
<b>Gender</b>										
Male	10.2	(9.1-11.3)	10.0	(8.8-11.3)	10.8	(7.9-14.5)	9.7	(6.1-15.2)	12.3	(7.0-20.6)
Female	9.7	(8.8-10.8)	9.0	(8.0-10.1)	14.4	(11.4-18.0)	9.0	(6.1-13.0)	12.9	(6.8-23.4)
<b>Education</b>										
High school graduate or less	11.5	(10.3-12.8)	11.3	(10.0-12.8)	12.2	(9.3-15.9)	9.4	(5.9-14.7)	15.7	(9.3-25.4)
Some college or more	8.8	(7.9-9.8)	8.1	(7.2-9.2)	13.2	(10.2-16.8)	9.5	(6.1-14.5)	8.1	(3.8-16.5)
<b>Household Income</b>										
< \$35,000	12.2	(11.0-13.6)	12.0	(10.6-13.6)	12.4	(9.7-15.7)	12.2	(8.2-17.8)	14.5	(8.8-22.9)
\$35,000 +	8.1	(7.2-9.2)	7.8	(6.8-8.9)	12.1	(8.4-17.3)	6.6	(3.4-12.2)	10.5	(4.3-23.3)

<sup>a</sup> The proportion who reported that they were ever told by a doctor that they had diabetes. Adults who had been told they have prediabetes and women who had diabetes only during pregnancy were classified as not having been diagnosed.

<sup>b</sup> Michigan estimates include all racial groups.

2011 Michigan BRFSS Estimates by Race-Ethnicity  
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**Table 38: Ever Told Kidney Disease<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>3.0</b>	<b>(2.6-3.5)</b>	<b>3.0</b>	<b>(2.6-3.5)</b>	<b>3.3</b>	<b>(2.3-4.8)</b>	<b>2.7</b>	<b>(1.3-5.2)</b>	<b>3.2</b>	<b>(1.2-8.5)</b>
<b>Age</b>										
18 - 49	1.8	(1.3-2.5)	1.9	(1.3-2.7)	1.2	(0.5-2.9)	2.2	(0.8-5.9)	2.9	(0.7-11.4)
50 +	4.5	(3.9-5.3)	4.3	(3.6-5.0)	6.8	(4.5-10.0)	4.0	(2.0-7.7)	3.7	(1.1-11.9)
<b>Gender</b>										
Male	2.4	(1.9-3.1)	2.6	(2.0-3.4)	1.8	(0.9-3.4)	1.1	(0.2-6.6)	1.4	(0.3-6.4)
Female	3.7	(3.1-4.3)	3.4	(2.8-4.1)	4.7	(3.0-7.2)	4.8	(2.5-9.3)	5.9	(1.7-18.5)
<b>Education</b>										
High school graduate or less	3.4	(2.7-4.2)	3.3	(2.6-4.3)	4.0	(2.4-6.6)	1.8	(0.7-4.3)	4.7	(1.3-15.4)
Some college or more	2.8	(2.3-3.3)	2.8	(2.3-3.4)	2.7	(1.5-4.6)	3.4	(1.4-8.0)	1.6	(0.5-4.7)
<b>Household Income</b>										
< \$35,000	3.7	(3.0-4.5)	3.7	(3.0-4.5)	3.5	(2.1-5.9)	3.8	(1.7-8.6)	4.2	(1.1-14.8)
\$35,000 +	2.2	(1.7-2.7)	2.2	(1.7-2.8)	2.8	(1.3-5.6)	0.5	(0.1-2.3)	2.3	(0.7-7.4)

<sup>a</sup> The proportion who reported ever being told by a doctor that they had kidney disease.  
<sup>b</sup> Michigan estimates include all racial groups.

2011 Michigan BRFSS Estimates by Race-Ethnicity  
August 10, 2012

**Table 39: Ever Told Depression<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>20.6</b>	<b>(19.5-21.8)</b>	<b>21.5</b>	<b>(20.2-22.8)</b>	<b>14.9</b>	<b>(12.2-18.0)</b>	<b>20.9</b>	<b>(15.4-27.7)</b>	<b>23.0</b>	<b>(16.2-31.5)</b>
<b>Age</b>										
18 - 49	21.5	(19.7-23.4)	23.2	(21.1-25.4)	13.1	(9.7-17.3)	21.1	(14.2-30.2)	22.5	(14.3-33.5)
50 +	19.6	(18.2-21.0)	19.7	(18.2-21.2)	17.9	(14.0-22.4)	20.0	(14.4-27.3)	24.2	(14.5-37.5)
<b>Gender</b>										
Male	15.4	(13.8-17.0)	15.6	(13.9-17.4)	11.2	(7.7-16.0)	17.5	(10.5-27.7)	20.8	(12.4-32.8)
Female	25.6	(24.0-27.3)	26.9	(25.0-28.8)	18.1	(14.5-22.3)	25.5	(17.8-35.2)	26.1	(16.5-38.9)
<b>Education</b>										
High school graduate or less	22.0	(20.0-24.1)	23.2	(21.0-25.6)	14.1	(10.5-18.7)	25.6	(15.7-38.9)	23.4	(14.3-36.0)
Some college or more	19.6	(18.2-21.0)	20.2	(18.7-21.8)	15.6	(12.0-20.0)	17.1	(12.2-23.5)	21.6	(12.8-34.0)
<b>Household Income</b>										
< \$35,000	26.2	(24.1-28.3)	28.5	(26.0-31.0)	16.9	(13.3-21.2)	30.2	(20.4-42.1)	28.3	(18.7-40.4)
\$35,000 +	16.6	(15.2-18.1)	17.4	(15.9-19.1)	10.6	(6.6-16.5)	11.3	(6.4-19.2)	13.5	(6.3-26.5)

<sup>a</sup> The proportion who reported ever being told by a doctor that they had a depressive disorder including depression, major depression, dysthymia, or minor depression.

<sup>b</sup> Michigan estimates include all racial groups.

2011 Michigan BRFSS Estimates by Race-Ethnicity  
August 10, 2012

**Table 40: Ever Told Non-Correctable Visual Impairment<sup>a</sup> by Race-Ethnicity  
2011 Michigan BRFSS**

Demographic Characteristics	Michigan <sup>b</sup>		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>19.2</b>	<b>(18.2-20.3)</b>	<b>19.2</b>	<b>(18.0-20.4)</b>	<b>17.8</b>	<b>(15.2-20.8)</b>	<b>18.2</b>	<b>(14.1-23.0)</b>	<b>24.2</b>	<b>(17.1-33.1)</b>
<b>Age</b>										
18 - 49	12.9	(11.5-14.4)	12.8	(11.3-14.5)	10.3	(7.5-14.0)	12.9	(8.7-18.7)	21.5	(13.2-33.2)
50 +	26.8	(25.3-28.3)	26.0	(24.5-27.7)	30.1	(25.6-35.1)	33.4	(25.8-41.9)	30.6	(19.3-44.8)
<b>Gender</b>										
Male	18.8	(17.3-20.5)	18.7	(17.1-20.5)	16.0	(12.1-20.9)	18.3	(12.6-25.9)	27.4	(17.5-40.2)
Female	19.6	(18.3-21.0)	19.6	(18.1-21.2)	19.4	(16.0-23.2)	17.9	(13.1-23.9)	19.3	(11.3-31.0)
<b>Education</b>										
High school graduate or less	20.4	(18.7-22.2)	21.0	(19.1-23.0)	17.8	(14.0-22.3)	16.3	(10.6-24.3)	23.2	(14.3-35.3)
Some college or more	18.1	(16.9-19.5)	17.9	(16.5-19.3)	17.9	(14.3-22.1)	19.8	(14.6-26.2)	24.3	(14.2-38.4)
<b>Household Income</b>										
< \$35,000	23.4	(21.6-25.3)	24.8	(22.6-27.1)	17.2	(14.0-21.1)	25.1	(18.2-33.7)	26.6	(17.3-38.6)
\$35,000 +	15.6	(14.3-17.0)	15.5	(14.1-16.9)	17.4	(12.6-23.6)	13.3	(8.0-21.3)	18.4	(8.0-36.8)

<sup>a</sup> The proportion who reported ever being told by a doctor that they had a visual impairment in one or both eyes, even when wearing glasses.

<sup>b</sup> Michigan estimates include all racial groups.