

# **Prevalence Estimates for Risk Factors and Health Indicators**

## **State of Michigan**

### **Selected Tables**

#### **Michigan Behavioral Risk Factor Survey**

**2017**

Lifecourse Epidemiology and Genomics Division  
Bureau of Epidemiology and Population Health  
Michigan Department of Health and Human Services

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## Introduction

The Michigan Behavioral Risk Factor Survey (MiBRFS) is an annual, statewide telephone survey of Michigan adults aged 18 years and older that is conducted through a collaborative effort among the Population Health Surveillance Branch (PHSB) 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 Health and Human Services. Michigan BRFSS data contribute to the national [Behavioral Risk Factor Surveillance System](#) that is managed by the PHSB at the CDC.

In 2017, the total sample size of completed interviews for the core survey was 10,889 (land line = 4,240; cell phone = 6,649). 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 10,889. As a result, item-by-item sample sizes and population descriptions are included within each table. Furthermore, only comparisons between estimates with non-overlapping 95% confidence intervals should be considered significantly different.

For the 2017 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. The sample of cell phone numbers used within the 2017 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.

Iterative proportional fitting or raking was the weighting methodology used to make the 2017 Michigan BRFSS data representative of the current Michigan adult population. Estimates based on this 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, 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.

In an effort to provide the most reliable information possible, prevalence estimates are suppressed if they are based on a denominator of less than 50 respondents or have a relative standard error of greater than 30%.

Due to the BRFSS methodology changes that took place in 2011, the estimates provided within the following tables should only be compared to Michigan BRFSS estimates from 2011-2016 and not to Michigan BRFSS estimates from years prior to 2011. Due to methodology changes in 2017, Fruit and Vegetable Module data should not be compared to prior years.

If you have any questions regarding any of the estimates within the following tables, please contact Allison Murad at [murada@michigan.gov](mailto:murada@michigan.gov).

<b>Table 1: Health Status 2017 Michigan BRFSS</b>		
	<b>General Health, Fair or Poor<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>18.5</b>	<b>(17.5-19.5)</b>
<b>Age</b>		
18 – 24	10.4	(8.1-13.2)
25 – 34	11.5	(9.3-14.2)
35 – 44	14.5	(12.0-17.4)
45 – 54	20.8	(18.4-23.5)
55 – 64	24.1	(21.9-26.5)
65 – 74	23.8	(21.5-26.2)
75 +	26.4	(23.5-29.6)
<b>Gender</b>		
Male	17.7	(16.4-19.2)
Female	19.2	(17.9-20.5)
<b>Race/Ethnicity</b>		
White non-Hispanic	16.6	(15.6-17.6)
Black non-Hispanic	29.0	(25.8-32.5)
Other non-Hispanic	20.6	(16.2-25.9)
Hispanic	17.5	(12.3-24.3)
<b>Education</b>		
Less than high school	42.4	(37.4-47.6)
High school graduate	21.2	(19.5-22.9)
Some college	17.2	(15.7-18.7)
College graduate	7.1	(6.3-8.0)
<b>Household Income</b>		
< \$20,000	40.4	(37.1-43.7)
\$20,000 - \$34,999	25.0	(22.4-27.9)
\$35,000 - \$49,999	17.4	(15.0-20.2)
\$50,000 - \$74,999	12.3	(10.3-14.6)
\$75,000 +	5.9	(5.0-7.0)
<sup>a</sup> Among all adults, the proportion who reported that their health, in general, was either fair or poor. (N = 10,870)		

**Table 2: Health Status on at Least 14 Days in the Past Month  
2017 Michigan BRFS**

	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>14.8</b>	<b>(14.0-15.7)</b>	<b>13.7</b>	<b>(12.8-14.6)</b>	<b>10.8</b>	<b>(10.1-11.6)</b>
<b>Age</b>						
18 – 24	7.0	(5.1-9.6)	19.3	(16.3-22.8)	6.9	(5.0-9.4)
25 – 34	8.4	(6.5-10.7)	15.4	(13.0-18.1)	7.9	(6.1-10.2)
35 – 44	10.8	(8.8-13.3)	14.5	(12.2-17.1)	8.7	(6.9-10.9)
45 – 54	17.9	(15.7-20.4)	14.3	(12.3-16.5)	13.5	(11.5-15.7)
55 – 64	22.0	(19.9-24.3)	12.8	(11.1-14.7)	15.3	(13.4-17.4)
65 – 74	18.5	(16.4-20.7)	9.7	(8.2-11.5)	11.5	(9.8-13.5)
75 +	19.0	(16.4-21.8)	7.5	(5.9-9.5)	10.7	(8.7-12.9)
<b>Gender</b>						
Male	13.2	(12.1-14.5)	10.6	(9.5-11.8)	9.6	(8.5-10.7)
Female	16.4	(15.2-17.6)	16.5	(15.3-17.9)	12.0	(10.9-13.1)
<b>Race/Ethnicity</b>						
White non-Hispanic	14.3	(13.3-15.3)	13.1	(12.2-14.2)	10.0	(9.2-10.9)
Black non-Hispanic	17.6	(15.0-20.5)	17.5	(14.8-20.6)	15.4	(12.9-18.4)
Other non-Hispanic	15.4	(11.6-20.1)	13.2	(9.9-17.4)	12.5	(8.8-17.5)
Hispanic	12.8	(9.0-17.9)	15.0	(10.8-20.5)	9.5	(6.2-14.2)
<b>Education</b>						
Less than high school	29.4	(25.0-34.2)	21.9	(17.9-26.4)	23.5	(19.5-28.0)
High school graduate	16.0	(14.5-17.6)	14.4	(12.9-16.0)	10.9	(9.7-12.3)
Some college	15.5	(14.1-17.0)	14.8	(13.4-16.4)	11.5	(10.2-12.9)
College graduate	6.5	(5.7-7.4)	7.9	(7.0-8.9)	4.6	(3.9-5.4)
<b>Household Income</b>						
< \$20,000	29.2	(26.3-32.3)	27.3	(24.4-30.3)	26.0	(23.1-29.0)
\$20,000 - \$34,999	18.2	(15.9-20.8)	15.9	(13.7-18.5)	13.7	(11.6-16.1)
\$35,000 - \$49,999	14.4	(12.1-17.1)	12.0	(9.9-14.6)	9.5	(7.6-11.8)
\$50,000 - \$74,999	10.9	(9.0-13.0)	10.2	(8.3-12.4)	6.2	(4.7-8.1)
\$75,000 +	6.7	(5.7-7.9)	7.1	(6.0-8.4)	3.3	(2.6-4.1)

<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 = 10, 759)

<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 = 10,759)

<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 = 10,794)

**Table 3: Mean Number of Days of Poor Physical Health, Poor Mental Health, and Activity Limitations  
2017 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>4.6</b>	<b>(4.4-4.8)</b>	<b>4.3</b>	<b>(4.1-4.5)</b>	<b>3.2</b>	<b>(3.0-3.4)</b>
<b>Age</b>						
18 - 24	2.6	(2.2-3.1)	6.1	(5.3-6.8)	2.3	(1.9-2.8)
25 - 34	2.9	(2.4-3.4)	5.2	(4.5-5.8)	2.4	(1.9-2.9)
35 - 44	3.4	(2.9-3.9)	4.5	(3.9-5.0)	2.5	(2.0-2.9)
45 - 54	5.3	(4.7-5.9)	4.5	(4.0-5.1)	4.0	(3.5-4.5)
55 - 64	6.5	(5.9-7.0)	4.1	(3.6-4.5)	4.4	(3.9-4.9)
65 - 74	5.8	(5.3-6.4)	2.9	(2.5-3.4)	3.5	(3.0-3.9)
75 +	5.6	(4.9-6.3)	2.3	(1.8-2.8)	3.2	(2.6-3.7)
<b>Gender</b>						
Male	4.2	(3.9-4.5)	3.4	(3.1-3.7)	2.9	(2.6-3.1)
Female	5.0	(4.7-5.3)	5.2	(4.9-5.5)	3.6	(3.3-3.9)
<b>Race/Ethnicity</b>						
White non-Hispanic	4.5	(4.2-4.7)	4.2	(3.9-4.4)	3	(2.8-3.2)
Black non-Hispanic	5.5	(4.8-6.2)	5.3	(4.6-6.0)	4.5	(3.9-5.2)
Other non-Hispanic	4.3	(3.3-5.3)	4.4	(3.4-5.3)	3.5	(2.5-4.5)
Hispanic	4.0	(2.8-5.1)	4.9	(3.7-6.0)	2.7	(1.8-3.6)
<b>Education</b>						
Less than high school	8.3	(7.2-9.5)	6.4	(5.3-7.4)	6.7	(5.6-7.8)
High school graduate	4.9	(4.5-5.3)	4.5	(4.1-4.8)	3.2	(2.9-3.6)
Some college	4.8	(4.4-5.1)	4.7	(4.4-5.1)	3.4	(3.0-3.7)
College graduate	2.5	(2.2-2.7)	2.8	(2.6-3.0)	1.6	(1.5-1.8)
<b>Household Income</b>						
< \$20,000	8.5	(7.7-9.3)	7.9	(7.1-8.6)	7.4	(6.6-8.1)
\$20,000 - \$34,999	5.6	(5.0-6.2)	4.6	(4.0-5.1)	3.9	(3.3-4.4)
\$35,000 - \$49,999	4.5	(3.9-5.1)	4.1	(3.5-4.7)	3.0	(2.5-3.5)
\$50,000 - \$74,999	3.5	(3.0-4.0)	3.5	(3.0-4.0)	1.9	(1.5-2.3)
\$75,000 +	2.4	(2.2-2.7)	2.6	(2.3-2.9)	1.3	(1.1-1.5)

<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 = 10,759)

<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 = 10,759)

<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 = 10,794)

	<b>Total Disability<sup>a</sup></b>		<b>Any Activity Limitation<sup>b</sup></b>		<b>Used Special Equipment<sup>c</sup></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>26.9</b>	<b>(25.8-28.0)</b>	<b>24.3</b>	<b>(23.3-25.4)</b>	<b>11.0</b>	<b>(10.3-11.8)</b>
<b>Age</b>						
18 - 24	13.6	(10.7-17.2)	13.3	(10.4-16.8)	0.9	(0.4-2.1)
25 - 34	14.4	(12.0-17.2)	13.4	(11.1-16.1)	3.4	(2.2-5.2)
35 - 44	17.5	(14.9-20.4)	16.0	(13.6-18.8)	5.1	(3.7-7.0)
45 - 54	29.3	(26.5-32.2)	26.8	(24.2-29.7)	12.1	(10.2-14.4)
55 - 64	37.3	(34.8-39.9)	34.7	(32.3-37.2)	15.9	(14.0-18.0)
65 - 74	37.5	(35.0-40.1)	32.7	(30.2-35.2)	17.8	(15.8-19.9)
75 +	42.4	(39.1-45.7)	34.8	(31.8-38.0)	26.2	(23.4-29.2)
<b>Gender</b>						
Male	24.5	(22.9-26.0)	21.9	(20.4-23.5)	9.7	(8.7-10.8)
Female	29.2	(27.8-30.8)	26.6	(25.1-28.1)	12.2	(11.2-13.3)
<b>Race/Ethnicity</b>						
White non-Hispanic	26.8	(25.6-28.1)	24.5	(23.3-25.6)	10.0	(9.3-10.8)
Black non-Hispanic	31.1	(27.8-34.7)	26.4	(23.2-29.9)	18.1	(15.5-21.1)
Other non-Hispanic	20.6	(16.2-25.7)	19.1	(14.9-24.2)	7.6	(5.3-10.9)
Hispanic	20.1	(14.8-26.7)	18.1	(13.1-24.5)	9.2	(5.7-14.6)
<b>Education</b>						
Less than high school	44.5	(39.2-49.8)	40.8	(35.7-46.1)	19.9	(16.2-24.2)
High school graduate	29.3	(27.3-31.3)	26.0	(24.1-27.9)	12.7	(11.4-14.2)
Some college	27.6	(25.8-29.4)	25.2	(23.5-27.0)	10.8	(9.6-12.0)
College graduate	16.1	(14.9-17.4)	14.4	(13.2-15.6)	5.7	(5.0-6.5)
<b>Household Income</b>						
< \$20,000	48.3	(44.9-51.7)	45.0	(41.7-48.4)	23.1	(20.4-26.0)
\$20,000 - \$34,999	32.6	(29.7-35.5)	29.2	(26.4-32.1)	14.9	(12.9-17.2)
\$35,000 - \$49,999	26.2	(23.4-29.3)	24.1	(21.4-27.1)	9.9	(8.1-12.0)
\$50,000 - \$74,999	21.2	(18.5-24.1)	19.2	(16.7-22.1)	6.3	(5.0-7.8)
\$75,000 +	14.1	(12.7-15.7)	12.3	(10.9-13.8)	4.3	(3.6-5.2)

<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 = 10,314)

<sup>b</sup> Among all adults, the proportion who reported being limited in any activities because of physical, mental, or emotional problems. (N = 10,321)

<sup>c</sup> Among all adults, the proportion who 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 = 10,353)

**Table 5: Weight Status  
2017 Michigan BRFSS**

	Obese <sup>a</sup>		Overweight <sup>b</sup>		Healthy Weight <sup>c</sup>		Underweight <sup>d</sup>	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>32.4</b>	<b>(31.2-33.6)</b>	<b>34.9</b>	<b>(33.7-36.1)</b>	<b>30.6</b>	<b>(29.5-31.8)</b>	<b>2.1</b>	<b>(1.7-2.6)</b>
<b>Age</b>								
18 - 24	18.3	(15.2-21.8)	25.3	(21.7-29.3)	50.7	(46.4-55.0)	5.7	(3.9-8.4)
25 - 34	29.3	(26.1-32.8)	33.4	(30.0-37.0)	35.4	(31.9-38.9)	1.9	(1.2-3.1)
35 - 44	35.6	(32.2-39.3)	34.4	(31.1-38.0)	27.8	(24.7-31.0)	2.1	(1.3-3.6)
45 - 54	38.0	(35.1-41.0)	35.6	(32.7-38.5)	25.0	(22.5-27.7)	1.4	(0.8-2.4)
55 - 64	37.2	(34.7-39.8)	36.9	(34.4-39.5)	24.5	(22.4-26.8)	1.4	(0.9-2.1)
65 - 74	37.9	(35.3-40.5)	37.9	(35.4-40.5)	37.9	(35.4-40.5)	0.8	(0.4-1.4)
75 +	24.7	(21.9-27.8)	41.4	(38.2-44.7)	31.7	(28.7-34.8)	2.2	(1.3-3.5)
<b>Gender</b>								
Male	31.6	(29.9-33.3)	39.7	(37.9-41.5)	26.9	(25.3-28.5)	1.9	(1.4-2.5)
Female	33.2	(31.6-34.9)	30.0	(28.4-31.6)	34.4	(32.8-36.1)	2.4	(1.8-3.1)
<b>Race/Ethnicity</b>								
White non-Hispanic	31.0	(29.7-32.3)	35.6	(34.3-36.9)	31.4	(30.2-32.8)	2.0	(1.6-2.4)
Black non-Hispanic	41.2	(37.5-45.1)	31.9	(28.5-35.6)	24.9	(21.7-28.3)	-- <sup>e</sup>	-- <sup>e</sup>
Other non-Hispanic	24.2	(19.4-29.9)	31.2	(26.0-36.9)	38.5	(32.8-44.5)	6.1	(3.4-10.7)
Hispanic	38.2	(31.1-45.8)	34.6	(27.8-42.0)	25.6	(19.7-32.5)	-- <sup>e</sup>	-- <sup>e</sup>
<b>Education</b>								
< High school	37.6	(32.5-43.0)	31.3	(26.5-36.6)	27.2	(22.8-32.1)	3.8	(2.2-6.5)
High school graduate	34.2	(32.1-36.4)	33.8	(31.6-36.0)	30.0	(27.9-32.2)	2.1	(1.5-2.9)
Some college	33.6	(31.6-35.7)	33.8	(31.8-35.8)	30.5	(28.5-32.5)	2.1	(1.5-3.0)
College graduate	26.5	(24.9-28.2)	39.0	(37.2-40.9)	33.1	(31.3-34.9)	1.4	(1.0-2.1)
<b>Household Income</b>								
< \$20,000	39.0	(35.6-42.4)	31.8	(28.7-35.0)	26.4	(23.6-29.4)	2.9	(2.0-4.1)
\$20,000 - \$34,999	35.0	(32.0-38.1)	34.4	(31.4-37.5)	28.8	(26.0-31.8)	-- <sup>e</sup>	-- <sup>e</sup>
\$35,000 - \$49,999	34.0	(30.7-37.4)	34.9	(31.7-38.2)	29.4	(26.3-32.7)	1.7	(1.0-3.0)
\$50,000 - \$74,999	33.1	(30.0-36.4)	34.1	(31.0-37.5)	30.6	(27.4-33.9)	2.2	(1.2-3.8)
\$75,000 +	28.5	(26.5-30.5)	39.5	(37.3-41.8)	30.9	(28.8-33.0)	1.1	(0.7-1.7)

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 = 10,129)

<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 greater than or equal to 18.5, but less than 25.0.

<sup>d</sup> Among all adults, the proportion of respondents whose BMI was less than 18.5.

<sup>e</sup> Suppressed due to a denominator < 50 and/or a relative standard error > 30%.



<b>Table 6: Health Care Coverage 2017 Michigan BRFSS</b>		
	<b>No Health Care Coverage<sup>a</sup> (Among 18 - 64 year olds)</b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>9.8</b>	<b>(8.9-10.8)</b>
<b>Age</b>		
18 - 24	13.2	(10.4-16.5)
25 - 34	10.8	(8.8-13.2)
35 - 44	10.2	(8.0-13.0)
45 - 54	8.4	(6.9-10.3)
55 - 64	7.3	(6.0-8.8)
65 - 74	--b	--b
75 +	--b	--b
<b>Gender</b>		
Male	12.3	(10.8-13.9)
Female	7.3	(6.2-8.4)
<b>Race/Ethnicity</b>		
White non-Hispanic	7.8	(6.9-8.8)
Black non-Hispanic	13.7	(11.0-17.1)
Other non-Hispanic	14.3	(9.8-20.3)
Hispanic	19.6	(13.6-27.3)
<b>Education</b>		
Less than high school	20.7	(15.9-26.5)
High school graduate	12.5	(10.8-14.5)
Some college	8.5	(7.2-10.0)
College graduate	4.1	(3.3-5.1)
<b>Household Income</b>		
< \$20,000	15.2	(12.5-18.4)
\$20,000 - \$34,999	15.1	(12.2-18.6)
\$35,000 - \$49,999	9.3	(7.0-12.1)
\$50,000 - \$74,999	6.9	(5.1-9.3)
\$75,000 +	4.6	(3.6-6.0)
<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 or Indian Health Services. (N = 6,961) <sup>b</sup> Suppressed due to a denominator < 50 and/or a relative standard error > 30%.		

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**Table 7: Health Care Coverage Type<sup>a</sup>**  
2017 Michigan BRFSS

	Private Insurance		Medicaid Only		Medicare Only		Both Medicaid and Medicare		Healthy Michigan Plan		No Health Care Coverage	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>52.5</b>	<b>(51.3-53.8)</b>	<b>9.8</b>	<b>(9.1-10.7)</b>	<b>21.4</b>	<b>(20.6-22.3)</b>	<b>5.5</b>	<b>(4.9-6.1)</b>	<b>2.1</b>	<b>(1.7-2.5)</b>	<b>8.6</b>	<b>(7.9-9.5)</b>
<b>Age</b>												
18 - 24	61.3	(56.8-65.6)	14.9	(11.8-18.6)	3.8	(2.4-5.9)	2.5	(1.5-4.3)	2.5	(1.4-4.2)	15.0	(12.0-18.8)
25 - 34	63.9	(60.3-67.3)	15.0	(12.7-17.8)	2.7	(1.7-4.2)	3.8	(2.5-5.6)	3.0	(2.0-4.5)	11.7	(9.5-14.2)
35 - 44	68.6	(65.0-72.0)	12.6	(10.3-15.3)	2.5	(1.6-3.9)	3.4	(2.3-5.2)	2.1	(1.3-3.4)	10.7	(8.4-13.5)
45 - 54	68.3	(65.4-71.1)	11.0	(9.1-13.3)	4.5	(3.4-6.0)	4.8	(3.7-6.3)	2.5	(1.7-3.6)	8.8	(7.1-10.8)
55 - 64	65.4	(62.8-67.8)	7.5	(6.2-9.1)	10.9	(9.3-12.6)	5.8	(4.6-7.3)	2.9	(2.2-3.9)	7.6	(6.2-9.1)
65 - 74	7.2	(5.9-8.7)	3.9	(2.9-5.1)	77.2	(74.9-79.5)	10.2	(8.5-12.1)	-- <sup>b</sup>	-- <sup>b</sup>	1.5	(1.0-2.2)
75 +	4.5	(3.3-6.2)	2.0	(1.3-3.1)	80.3	(77.2-83.0)	9.4	(7.5-11.8)	-- <sup>b</sup>	-- <sup>b</sup>	3.6	(2.3-5.5)
<b>Gender</b>												
Male	54.6	(52.8-56.5)	7.1	(6.1-8.2)	19.3	(18.1-20.6)	5.8	(5.0-6.7)	2.1	(1.7-2.7)	11.1	(9.8-12.5)
Female	50.6	(48.9-52.3)	12.4	(11.2-13.7)	23.5	(22.3-24.7)	5.2	(4.4-6.0)	2.0	(1.6-2.6)	6.4	(5.5-7.3)
<b>Race/Ethnicity</b>												
White non-Hispanic	56.1	(54.7-57.4)	7.6	(6.8-8.5)	23.5	(22.5-24.5)	4.3	(3.7-4.9)	1.9	(1.5-2.3)	6.8	(6.0-7.6)
Black non-Hispanic	36.2	(32.7-40.0)	20.3	(17.4-23.7)	16.0	(13.7-18.5)	11.9	(9.6-14.5)	2.9	(2.0-4.3)	12.7	(10.2-15.6)
Other non-Hispanic	50.6	(44.4-56.7)	14.3	(10.5-19.1)	9.9	(7.2-13.4)	6.3	(3.9-10.0)	-- <sup>b</sup>	-- <sup>b</sup>	15.7	(11.1-21.7)
Hispanic	48.5	(41.1-56.0)	13.3	(9.1-19.2)	12.3	(8.6-17.2)	5.2	(2.9-9.2)	-- <sup>b</sup>	-- <sup>b</sup>	19.1	(13.4-26.4)
<b>Education</b>												
< High school	23.3	(18.7-28.6)	18.5	(14.5-23.3)	22.0	(18.4-26.2)	16.6	(13.2-20.7)	1.5	(0.7-3.2)	18.0	(13.9-22.8)
High school	41.6	(39.3-43.9)	12.7	(11.2-14.3)	25.8	(24.1-27.6)	6.1	(5.2-7.1)	3.1	(2.3-4.0)	10.8	(9.4-12.4)
Some college	55.8	(53.7-57.9)	9.5	(8.3-10.9)	20.6	(19.1-22.0)	4.3	(3.6-5.2)	2.3	(1.7-3.1)	7.5	(6.4-8.8)
College graduate	72.7	(71.1-74.2)	3.5	(2.9-4.3)	17.4	(16.3-18.5)	1.8	(1.4-2.3)	0.8	(0.5-1.3)	3.8	(3.1-4.6)
<b>Household Income</b>												
< \$20,000	13.0	(10.9-15.6)	28.1	(25.0-31.5)	21.7	(19.2-24.4)	17.9	(15.5-20.5)	5.4	(4.1-7.0)	13.9	(11.5-16.8)
\$20,000 - \$34,999	31.2	(28.2-34.4)	15.0	(12.7-17.7)	31.6	(28.9-34.3)	7.1	(5.6-9.0)	2.7	(1.9-4.0)	12.3	(10.0-14.9)
\$35,000 - \$49,999	51.7	(48.2-55.2)	7.7	(6.0-10.0)	27.7	(24.9-30.5)	3.2	(2.2-4.8)	1.9	(1.1-3.3)	7.7	(6.0-9.9)
\$50,000 - \$74,999	68.0	(64.8-71.0)	3.3	(1.9-5.6)	20.0	(17.8-22.3)	1.6	(1.0-2.7)	-- <sup>b</sup>	-- <sup>b</sup>	5.8	(4.3-7.8)
\$75,000 +	83.4	(81.8-84.9)	0.8	(0.5-1.2)	10.2	(9.2-11.2)	0.8	(0.5-1.3)	-- <sup>b</sup>	-- <sup>b</sup>	4.4	(3.4-5.6)

<sup>a</sup> Among all adults, the proportion who reported currently having each of the above health care coverage types. (N = 10,255)

<sup>b</sup> Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

<b>Table 8: Health Care Access 2017 Michigan BRFSS</b>				
	<b>No Personal Health Care Provider<sup>a</sup></b>		<b>No Health Care Access During Past 12 Months Due to Cost<sup>b</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>15.0</b>	<b>(14.1-16.0)</b>	<b>11.4</b>	<b>(10.6-12.3)</b>
<b>Age</b>				
18 - 24	26.1	(22.7-29.9)	11.8	(9.4-14.6)
25 - 34	30.3	(27.1-33.6)	16.4	(13.9-19.2)
35 - 44	19.0	(16.1-22.2)	12.8	(10.5-15.4)
45 - 54	9.9	(8.2-11.8)	11.8	(10.0-14.0)
55 - 64	8.2	(6.9-9.9)	12.1	(10.5-14.0)
65 - 74	4.6	(3.6-6.0)	6.5	(5.4-7.9)
75 +	3.5	(2.4-4.9)	5.2	(3.7-7.2)
<b>Gender</b>				
Male	20.9	(19.4-22.6)	10.4	(9.3-11.6)
Female	9.4	(8.4-10.5)	12.4	(11.3-13.6)
<b>Race/Ethnicity</b>				
White non-Hispanic	13.5	(12.5-14.6)	10.1	(9.3-11.0)
Black non-Hispanic	15.6	(13.0-18.6)	16.7	(14.0-19.8)
Other non-Hispanic	23.7	(18.9-29.4)	13.4	(9.9-17.9)
Hispanic	29.5	(22.7-37.3)	17.0	(12.0-23.5)
<b>Education</b>				
Less than high school	24.1	(19.6-29.3)	20.4	(16.6-24.9)
High school graduate	15.5	(13.9-17.3)	11.5	(10.1-12.9)
Some college	14.7	(13.1-16.3)	12.2	(10.9-13.7)
College graduate	11.0	(9.9-12.4)	6.4	(5.6-7.4)
<b>Household Income</b>				
< \$20,000	17.9	(15.4-20.8)	23.2	(20.4-26.3)
\$20,000 - \$34,999	19.5	(16.8-22.6)	14.6	(12.4-17.1)
\$35,000 - \$49,999	16.0	(13.5-18.9)	13.8	(11.5-16.6)
\$50,000 - \$74,999	14.1	(11.6-17.0)	7.1	(5.5-9.0)
\$75,000 +	10.9	(9.4-12.5)	5.0	(4.1-6.1)
<sup>a</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 = 10,835) <sup>b</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 = 10,870)				

<b>Table 9: No Leisure Time Physical Activity 2017 Michigan BRFSS</b>		
	<b>No Leisure Time Physical Activity<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>27.3</b>	<b>(26.1-28.4)</b>
<b>Age</b>		
18 – 24	19.5	(16.3-23.1)
25 – 34	28.4	(25.2-31.9)
35 – 44	25.4	(22.2-28.9)
45 – 54	25.4	(22.8-28.2)
55 – 64	30.2	(27.9-32.7)
65 – 74	27.4	(25.1-29.9)
75 +	36.4	(33.1-39.9)
<b>Gender</b>		
Male	25.2	(23.6-26.9)
Female	29.2	(27.6-30.8)
<b>Race/Ethnicity</b>		
White non-Hispanic	25.7	(24.5-26.9)
Black non-Hispanic	35.2	(31.5-39.0)
Other non-Hispanic	27.2	(21.8-33.3)
Hispanic	32.5	(25.2-40.7)
<b>Education</b>		
Less than high school	44.6	(39.3-50.0)
High school graduate	32.4	(30.3-34.5)
Some college	26.0	(24.1-27.9)
College graduate	16.0	(14.6-17.4)
<b>Household Income</b>		
< \$20,000	35.6	(32.4-38.9)
\$20,000 - \$34,999	35.1	(32.0-38.3)
\$35,000 - \$49,999	27.0	(24.0-30.2)
\$50,000 - \$74,999	25.6	(22.7-28.7)
\$75,000 +	17.0	(15.3-18.8)
<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 for exercise during the past month. (N = 10,291)		

<b>Table 10: Aerobic Physical Activity and Muscle Strengthening 2017 Michigan BRFS</b>				
	<b>Adequate Aerobic Physical Activity (≥ 150 minutes / week)<sup>a</sup></b>		<b>Adequate Muscle Strengthening (≥ 2 days / week)<sup>b</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>49.5</b>	<b>(48.2-50.8)</b>	<b>30.0</b>	<b>(28.9-31.2)</b>
<b>Age</b>				
18 – 24	53.3	(48.9-57.6)	45.9	(41.6-50.2)
25 – 34	44.9	(41.3-48.5)	38.8	(35.3-42.4)
35 – 44	47.0	(43.3-50.7)	30.2	(26.9-33.7)
45 – 54	50.1	(47.1-53.1)	27.2	(24.6-29.9)
55 – 64	48.2	(45.6-50.8)	22.3	(20.3-24.5)
65 – 74	53.9	(51.3-56.6)	24.7	(22.6-26.9)
75 +	52.9	(49.5-56.4)	21.0	(18.5-23.7)
<b>Gender</b>				
Male	51.7	(49.8-53.6)	33.8	(32.0-35.6)
Female	47.4	(45.7-49.1)	26.5	(25.0-28.1)
<b>Race/Ethnicity</b>				
White non-Hispanic	51.2	(49.8-52.6)	29.1	(27.8-30.3)
Black non-Hispanic	38.7	(34.9-42.7)	33.7	(30.0-37.7)
Other non-Hispanic	50.2	(44.0-56.4)	33.4	(27.9-39.4)
Hispanic	48.0	(40.4-55.6)	31.5	(25.1-38.7)
<b>Education</b>				
Less than high school	40.8	(35.5-46.4)	18.6	(14.4-23.6)
High school graduate	46.7	(44.4-49.1)	26.5	(24.4-28.8)
Some college	48.9	(46.7-51.1)	31.6	(29.5-33.6)
College graduate	57.1	(55.2-59.0)	36.7	(34.9-38.6)
<b>Household Income</b>				
< \$20,000	42.8	(39.3-46.4)	23.5	(20.6-26.7)
\$20,000 - \$34,999	43.2	(40.0-46.4)	25.1	(22.3-28.1)
\$35,000 - \$49,999	49.3	(45.8-52.8)	27.3	(24.3-30.6)
\$50,000 - \$74,999	49.4	(46.0-52.9)	30.9	(27.9-34.2)
\$75,000 +	57.5	(55.2-59.8)	38.0	(35.7-40.2)
<sup>a</sup> Among all adults, 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. (N = 9,956)				
<sup>b</sup> Among all adults, the proportion who reported that they do muscle strengthening activities on two or more days per week. (N = 10,136)				

<b>Table 11: Adequate Physical Activity 2017 Michigan BRFSS</b>		
<b>Demographic Characteristics</b>	<b>Adequate Physical Activity<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>19.2</b>	<b>(18.2-20.2)</b>
<b>Age</b>		
18 - 24	28.8	(24.9-32.9)
25 - 34	21.6	(18.8-24.7)
35 - 44	17.8	(15.1-20.9)
45 - 54	18.0	(15.9-20.4)
55 - 64	15.1	(13.3-17.0)
65 - 74	18.1	(16.2-20.1)
75 +	15.7	(13.5-18.2)
<b>Gender</b>		
Male	21.3	(19.8-22.9)
Female	17.1	(15.8-18.4)
<b>Race/Ethnicity</b>		
White/Non-Hispanic	18.8	(17.8-20.0)
Black/Non-Hispanic	19.7	(16.6-23.4)
Other/Non-Hispanic	21.1	(16.4-26.7)
Hispanic	18.7	(13.7-25.0)
<b>Education</b>		
Less than high school	13.4	(9.7-18.3)
High school graduate	16.7	(14.9-18.7)
Some college	19.1	(17.5-20.9)
College graduate	24.2	(22.6-25.9)
<b>Household Income</b>		
< \$20,000	14.4	(11.9-17.3)
\$20,000 - \$34,999	13.8	(11.8-16.2)
\$35,000 - \$49,999	17.5	(14.9-20.3)
\$50,000 - \$74,999	18.6	(16.1-21.4)
\$75,000 +	25.6	(23.6-27.7)
<sup>a</sup> Among all adults, 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 <b>and</b> also participate in muscle strengthening activities on two or more days per week. (N = 9,849)		

**Table 12: Fruit and Vegetable Consumption  
2017 Michigan BRFSS**

	Fruits (at least 1 / day) <sup>a</sup>		Vegetables (at least 1 / day) <sup>b</sup>	
	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>59.0</b>	<b>(57.8-60.2)</b>	<b>74.3</b>	<b>(73.2-75.4)</b>
<b>Age</b>				
18 – 24	56.6	(52.5-60.6)	64.6	(60.6-68.5)
25 – 34	56.7	(53.2-60.2)	75.0	(71.8-78.0)
35 – 44	59.0	(55.5-62.5)	75.4	(72.2-78.4)
45 – 54	55.9	(53.0-58.8)	76.4	(73.7-78.9)
55 – 64	59.7	(57.2-62.2)	76.5	(74.3-78.6)
65 – 74	61.9	(59.4-64.4)	77.8	(75.5-80.0)
75 +	68.1	(64.9-71.1)	73.2	(70.0-76.2)
<b>Gender</b>				
Male	55.8	(54.0-57.6)	71.2	(69.5-72.9)
Female	62.2	(60.5-63.7)	77.2	(75.8-78.6)
<b>Race/Ethnicity</b>				
White non-Hispanic	60.3	(59.0-61.7)	76.7	(75.5-77.8)
Black non-Hispanic	51.4	(47.7-55.1)	64.1	(60.4-67.6)
Other non-Hispanic	56.7	(50.8-62.4)	71.6	(66.0-76.5)
Hispanic	60.6	(53.2-67.5)	68.7	(61.4-75.2)
<b>Education</b>				
Less than high school	49.4	(44.2-54.6)	61.2	(56.0-66.1)
High school graduate	54.0	(51.8-56.2)	69.6	(67.6-71.6)
Some college	59.9	(57.8-61.9)	75.9	(74.1-77.7)
College graduate	68.0	(66.2-69.7)	83.3	(81.9-84.7)
<b>Household Income</b>				
< \$20,000	50.9	(47.6-54.2)	65.5	(62.2-68.6)
\$20,000 - \$34,999	55.5	(52.4-58.6)	72.6	(69.6-75.4)
\$35,000 - \$49,999	60.2	(56.8-63.5)	78.0	(75.0-80.7)
\$50,000 - \$74,999	64.0	(60.7-67.3)	79.4	(76.3-82.2)
\$75,000 +	66.7	(64.5-68.8)	83.2	(81.3-84.8)

<sup>a</sup> Among all adults, the proportion who reported consuming at least one fruit per day (N = 10,183).

<sup>b</sup> Among all adults, the proportion who reported consuming at least one vegetable per day. (N = 10,035),

**Table 13: Cigarette Smoking  
2017 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>19.4</b>	<b>(18.4-20.5)</b>	<b>26.7</b>	<b>(25.7-27.8)</b>	<b>53.8</b>	<b>(52.6-55.1)</b>
<b>Age</b>						
18 – 24	12.6	(10.0-15.8)	6.7	(5.0-8.9)	80.7	(77.1-83.8)
25 – 34	25.3	(22.3-28.6)	17.5	(14.9-20.5)	57.2	(53.6-60.7)
35 – 44	26.8	(23.6-30.3)	24.1	(21.1-27.3)	49.2	(45.6-52.7)
45 – 54	22.5	(20.1-25.2)	26.8	(24.2-29.6)	50.7	(47.7-53.6)
55 – 64	22.7	(20.6-25.1)	31.6	(29.2-34.0)	45.7	(43.2-48.2)
65 – 74	13.1	(11.3-15.1)	42.2	(39.6-44.7)	44.8	(42.2-47.3)
75 +	4.5	(3.4-6.0)	43.5	(40.2-46.9)	51.9	(48.6-55.2)
<b>Gender</b>						
Male	22.0	(20.4-23.6)	29.0	(27.4-30.7)	49.0	(47.1-50.8)
Female	17.0	(15.7-18.4)	24.6	(23.2-26.0)	58.4	(56.8-60.1)
<b>Race/Ethnicity</b>						
White non-Hispanic	19.1	(18.0-20.3)	29.1	(27.9-30.3)	51.8	(50.4-53.1)
Black non-Hispanic	22.1	(19.1-25.5)	17.5	(14.8-20.7)	60.3	(56.5-64.0)
Other non-Hispanic	24.3	(19.3-30.1)	16.1	(12.3-20.8)	59.6	(53.5-65.4)
Hispanic	16.3	(11.3-23.0)	20.5	(15.1-27.1)	63.2	(55.7-70.1)
<b>Education</b>						
Less than high school	38.9	(33.9-44.1)	24.7	(20.5-29.5)	36.4	(31.4-41.8)
High school graduate	24.1	(22.2-26.1)	28.0	(26.1-30.0)	47.9	(45.6-50.2)
Some college	18.9	(17.2-20.6)	29.1	(27.2-31.0)	52.1	(49.9-54.2)
College graduate	6.8	(5.9-7.8)	22.8	(21.3-24.3)	70.4	(68.7-72.1)
<b>Household Income</b>						
< \$20,000	35.9	(32.7-39.2)	25.9	(23.0-29.0)	38.2	(35.1-41.5)
\$20,000 - \$34,999	24.7	(21.9-27.7)	26.9	(24.3-29.6)	48.4	(45.2-51.6)
\$35,000 - \$49,999	22.2	(19.3-25.5)	27.8	(25.0-30.9)	50.0	(46.5-53.4)
\$50,000 - \$74,999	15.3	(12.9-18.1)	29.0	(26.2-32.0)	55.7	(52.3-59.0)
\$75,000 +	10.1	(8.7-11.6)	26.8	(24.9-28.8)	63.1	(60.9-65.3)

<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 = 10,499)

<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 = 10,499)



<b>Table 14: Current Smokers Who Attempted to Quit 2017 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>60.2</b>	<b>(57.2-63.1)</b>
<b>Age</b>		
18 – 24	70.2	(57.8-80.2)
25 – 34	62.5	(55.2-69.3)
35 – 44	58.3	(50.8-65.5)
45 – 54	58.1	(51.5-64.4)
55 – 64	59.2	(53.5-64.7)
65 – 74	57.0	(49.0-64.6)
75 +	52.1	(37.8-66.1)
<b>Gender</b>		
Male	56.7	(52.5-60.9)
Female	64.4	(60.3-68.4)
<b>Race/Ethnicity</b>		
White non-Hispanic	57.6	(54.2-60.9)
Black non-Hispanic	78.2	(71.2-83.9)
Other non-Hispanic	57.5	(44.4-69.6)
Hispanic	-- <sup>b</sup>	-- <sup>b</sup>
<b>Education</b>		
Less than high school	62.0	(53.6-69.7)
High school graduate	59.0	(54.3-63.5)
Some college	61.4	(56.6-66.0)
College graduate	55.8	(48.4-63.0)
<b>Household Income</b>		
< \$20,000	64.8	(59.3-70.0)
\$20,000 - \$34,999	57.6	(50.6-64.2)
\$35,000 - \$49,999	64.2	(56.5-71.2)
\$50,000 - \$74,999	53.4	(44.1-62.5)
\$75,000 +	57.1	(49.4-64.5)
<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 = 1,649)		
<sup>b</sup> Suppressed due to a denominator < 50 and/or a relative standard error > 30%.		

<b>Table 15: E-Cigarette Use 2017 Michigan BRFSS</b>		
	<b>Current E-Cigarette Use<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>4.9</b>	<b>(4.3-5.6)</b>
<b>Age</b>		
18 – 24	12.7	(10.2-15.8)
25 – 34	5.6	(4.1-7.6)
35 – 44	6.6	(4.8-8.9)
45 – 54	4.4	(3.2-5.9)
55 – 64	2.4	(1.7-3.3)
65 – 74	1.8	(1.2-2.7)
75 +	-- <sup>b</sup>	-- <sup>b</sup>
<b>Gender</b>		
Male	5.6	(4.7-6.6)
Female	4.3	(3.6-5.2)
<b>Race/Ethnicity</b>		
White non-Hispanic	5.0	(4.4-5.8)
Black non-Hispanic	3.7	(2.2-6.0)
Other non-Hispanic	6.8	(4.3-10.7)
Hispanic	-- <sup>b</sup>	-- <sup>b</sup>
<b>Education</b>		
Less than high school	8.0	(5.3-12.0)
High school graduate	5.8	(4.8-7.0)
Some college	5.4	(4.4-6.5)
College graduate	2.1	(1.5-2.7)
<b>Household Income</b>		
< \$20,000	7.4	(5.6-9.8)
\$20,000 - \$34,999	5.7	(4.2-7.6)
\$35,000 - \$49,999	4.1	(2.9-5.7)
\$50,000 - \$74,999	5.0	(3.6-6.9)
\$75,000 +	3.8	(2.9-5.1)
<sup>a</sup> Among all adults, the proportion who reported that they currently use e-cigarettes or other electronic vaping products, either every day or on some days. (N = 10,514) <sup>b</sup> Suppressed due to a denominator < 50 and/or a relative standard error > 30%.		

<b>Table 16: Smokeless Tobacco Use 2017 Michigan BRFSS</b>		
	<b>Current Smokeless Tobacco Use<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>4.0</b>	<b>(3.5-4.6)</b>
<b>Age</b>		
18 – 24	4.8	(3.3-6.9)
25 – 34	8.4	(6.5-10.9)
35 – 44	5.2	(3.7-7.2)
45 – 54	3.8	(2.8-5.1)
55 – 64	2.2	(1.5-3.0)
65 – 74	1.3	(0.8-2.1)
75 +	-- <sup>b</sup>	-- <sup>b</sup>
<b>Gender</b>		
Male	7.2	(6.2-8.3)
Female	1.0	(0.7-1.5)
<b>Race/Ethnicity</b>		
White non-Hispanic	4.3	(3.7-4.9)
Black non-Hispanic	2.5	(1.4-4.3)
Other non-Hispanic	5.4	(3.0-9.6)
Hispanic	2.1	(0.9-4.7)
<b>Education</b>		
Less than high school	4.8	(3.0-7.5)
High school graduate	5.1	(4.1-6.4)
Some college	4.2	(3.3-5.2)
College graduate	2.1	(1.6-2.8)
<b>Household Income</b>		
< \$20,000	4.3	(3.1-6.0)
\$20,000 - \$34,999	3.9	(2.9-5.4)
\$35,000 - \$49,999	4.4	(3.0-6.5)
\$50,000 - \$74,999	4.2	(2.9-6.1)
\$75,000 +	4.2	(3.3-5.4)
<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 = 10,542) <sup>b</sup> Suppressed due to a denominator < 50 and/or a relative standard error > 30%.		

<b>Table 17: Hookah Use 2017 Michigan BRFSS</b>		
	<b>Current Hookah Use<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>2.9</b>	<b>(2.4-3.6)</b>
<b>Age</b>		
18 – 24	7.5	(5.3-10.7)
25 – 34	5.0	(3.3-7.5)
35 – 44	3.7	(2.2-6.0)
45 – 54	-- <sup>b</sup>	-- <sup>b</sup>
55 – 64	1.4	(0.8-2.4)
65 – 74	-- <sup>b</sup>	-- <sup>b</sup>
75 +	-- <sup>b</sup>	-- <sup>b</sup>
<b>Gender</b>		
Male	3.5	(2.7-4.5)
Female	2.4	(1.8-3.2)
<b>Race/Ethnicity</b>		
White non-Hispanic	2.4	(1.9-3.0)
Black non-Hispanic	6.1	(4.0-9.2)
Other non-Hispanic	-- <sup>b</sup>	-- <sup>b</sup>
Hispanic	-- <sup>b</sup>	-- <sup>b</sup>
<b>Education</b>		
Less than high school	-- <sup>b</sup>	-- <sup>b</sup>
High school graduate	4.0	(2.9-5.4)
Some college	3.1	(2.2-4.3)
College graduate	1.6	(1.0-2.4)
<b>Household Income</b>		
< \$20,000	5.1	(3.4-7.5)
\$20,000 - \$34,999	3.7	(2.4-5.8)
\$35,000 - \$49,999	-- <sup>b</sup>	-- <sup>b</sup>
\$50,000 - \$74,999	3.7	(2.2-6.1)
\$75,000 +	1.9	(1.3-2.9)

<sup>a</sup> Among all adults, the proportion who reported smoking tobacco using a hookah, narghile, or water pipe on one or more days during the previous thirty day.  
(N = 6,558)

<sup>b</sup> Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 18: Alcohol Consumption  
2017 Michigan BRFSS**

	Any Alcohol in Past Month <sup>a</sup>		Heavy Drinking <sup>b</sup>		Binge Drinking <sup>c</sup>	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>57.9</b>	<b>(56.7-59.1)</b>	<b>6.7</b>	<b>(6.1-7.4)</b>	<b>18.2</b>	<b>(17.2-19.2)</b>
<b>Age</b>						
18 – 24	56.0	(51.7-60.2)	8.7	(6.6-11.2)	27.6	(24.1-31.4)
25 – 34	66.4	(62.9-69.8)	7.6	(5.9-9.7)	29.0	(25.9-32.4)
35 – 44	65.7	(62.3-69.0)	6.7	(5.1-8.8)	21.9	(19.0-25.1)
45 – 54	60.8	(57.8-63.7)	7.7	(6.2-9.5)	18.6	(16.4-21.1)
55 – 64	55.6	(53.0-58.1)	6.9	(5.7-8.4)	13.0	(11.3-14.8)
65 – 74	49.8	(47.2-52.4)	5.0	(4.0-6.2)	8.2	(6.8-9.9)
75 +	43.7	(40.4-47.0)	2.4	(1.6-3.6)	3.2	(2.2-4.5)
<b>Gender</b>						
Male	62.8	(61.0-64.6)	7.2	(6.2-8.2)	23.4	(21.9-25.1)
Female	53.2	(51.5-54.9)	6.2	(5.5-7.1)	13.2	(12.0-14.4)
<b>Race/Ethnicity</b>						
White non-Hispanic	60.0	(58.6-61.3)	7.3	(6.6-8.1)	19.0	(17.9-20.2)
Black non-Hispanic	50.3	(46.5-54.1)	4.0	(2.8-5.8)	16.1	(13.3-19.5)
Other non-Hispanic	49.8	(43.8-55.8)	6.1	(3.6-10.2)	13.9	(10.5-18.2)
Hispanic	56.6	(49.1-63.7)	5.0	(2.8-8.6)	15.8	(11.5-21.4)
<b>Education</b>						
Less than high school	39.7	(34.6-45.1)	4.9	(3.1-7.6)	14.1	(10.6-18.4)
High school graduate	50.9	(48.6-53.2)	8.0	(6.7-9.4)	18.5	(16.6-20.5)
Some college	59.6	(57.5-61.6)	6.6	(5.6-7.7)	18.5	(16.8-20.3)
College graduate	71.5	(69.8-73.2)	6.2	(5.3-7.2)	19.2	(17.6-20.8)
<b>Household Income</b>						
< \$20,000	44.3	(41.0-47.7)	6.2	(4.7-8.1)	16.4	(13.9-19.3)
\$20,000 - \$34,999	48.1	(44.9-51.3)	7.1	(5.6-9.0)	14.9	(12.7-17.4)
\$35,000 - \$49,999	54.4	(51.0-57.9)	5.8	(4.3-7.8)	15.5	(13.0-18.3)
\$50,000 - \$74,999	64.2	(60.9-67.4)	7.4	(5.8-9.3)	19.4	(16.7-22.3)
\$75,000 +	75.8	(73.7-77.7)	8.1	(7.0-9.5)	25.2	(23.2-27.3)

<sup>a</sup> Among all adults, the proportion who reported consuming at least one drink of any alcoholic beverage in the previous month. (N = 10,452)

<sup>b</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 = 10,372)

<sup>c</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 = 10,372)

<b>Table 19: Mean Number of Binge Drinking Occasions during the Past Month among Binge Drinkers 2017 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>4.5</b>	<b>(4.1-4.9)</b>
<b>Age</b>		
18 – 24	4.5	(4.1-4.9)
25 – 34	4.5	(3.7-5.4)
35 – 44	3.9	(3.2-4.6)
45 – 54	3.9	(3.0-4.8)
55 – 64	5.3	(4.2-6.4)
65 – 74	5.4	(4.4-6.5)
75+	4.5	(3.4-5.5)
<b>Gender</b>		
Male	4.9	(4.4-5.4)
Female	3.9	(3.3-4.4)
<b>Race/Ethnicity</b>		
White non-Hispanic	4.6	(4.2-5.1)
Black non-Hispanic	4.2	(3.1-5.2)
Other non-Hispanic	3.7	(2.6-4.9)
Hispanic	3.0	(2.0-3.9)
<b>Education</b>		
Less than high school	5.4	(3.5-7.4)
High school graduate	5.9	(5.0-6.8)
Some college	4.2	(3.6-4.7)
College graduate	3.2	(2.9-3.5)
<b>Household Income</b>		
< \$20,000	4.4	(4.0-4.7)
\$20,000 - \$34,999	6.0	(4.8-7.3)
\$35,000 - \$49,999	5.0	(4.0-6.0)
\$50,000 - \$74,999	3.7	(3.0-4.4)
\$75,000 +	4.8	(3.7-5.9)
<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 = 1,525)		

<b>Table 20: Seatbelt Use 2017 Michigan BRFSS</b>		
	<b>Always Uses a Seatbelt<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>89.8</b>	<b>(88.9-90.6)</b>
<b>Age</b>		
18 – 24	76.4	(72.3-80.0)
25 – 34	87.5	(84.9-89.7)
35 – 44	89.0	(86.1-91.3)
45 – 54	93.8	(92.1-95.1)
55 – 64	93.5	(92.0-94.7)
65 – 74	92.9	(91.4-94.2)
75 +	94.5	(92.6-96.0)
<b>Gender</b>		
Male	86.8	(85.3-88.1)
Female	92.7	(91.6-93.6)
<b>Race/Ethnicity</b>		
White non-Hispanic	90.1	(89.2-91.0)
Black non-Hispanic	86.1	(82.8-88.7)
Other non-Hispanic	91.3	(87.8-93.9)
Hispanic	90.5	(84.3-94.4)
<b>Education</b>		
Less than high school	85.5	(80.8-89.2)
High school graduate	88.1	(86.3-89.6)
Some college	89.7	(88.2-91.0)
College graduate	93.7	(92.7-94.6)
<b>Household Income</b>		
< \$20,000	86.6	(84.0-88.8)
\$20,000 - \$34,999	88.7	(86.2-90.7)
\$35,000 - \$49,999	90.3	(87.7-92.3)
\$50,000 - \$74,999	90.8	(88.4-92.8)
\$75,000 +	91.1	(89.4-92.5)
<sup>a</sup> Among all adults, the proportion who reported always using a seatbelt when driving or riding in a car. (N = 10,218)		

<b>Table 21: Hypertension Awareness and Medication Use 2017 Michigan BRFS</b>				
<b>Demographic Characteristics</b>	<b>Ever Told HBP<sup>a</sup></b>		<b>Taking BP Medication<sup>b</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>34.8</b>	<b>(33.7-35.9)</b>	<b>76.9</b>	<b>(75.1-78.6)</b>
<b>Age</b>				
18 – 24	8.5	(6.5-11.0)	-- <sup>c</sup>	-- <sup>c</sup>
25 – 34	15.3	(12.9-18.1)	25.0	(17.5-34.5)
35 – 44	21.3	(18.6-24.3)	53.1	(45.6-60.5)
45 – 54	34.3	(31.5-37.2)	74.1	(69.2-78.5)
55 – 64	48.8	(46.2-51.3)	85.1	(82.4-87.4)
65 – 74	60.3	(57.8-62.8)	89.8	(87.4-91.8)
75 +	66.2	(63.0-69.2)	95.2	(93.1-96.6)
<b>Gender</b>				
Male	37.5	(35.8-39.2)	71.6	(68.9-74.1)
Female	32.2	(30.8-33.7)	82.7	(80.3-84.8)
<b>Race/Ethnicity</b>				
White non-Hispanic	34.2	(33.0-35.5)	78.0	(76.1-79.9)
Black non-Hispanic	44.9	(41.2-48.5)	75.2	(70.1-79.7)
Other non-Hispanic	24.7	(20.0-30.1)	60.3	(48.2-71.2)
Hispanic	23.5	(18.2-29.8)	73.7	(59.3-84.3)
<b>Education</b>				
Less than high school	34.2	(33.0-35.5)	77.3	(70.9-82.7)
High school graduate	44.9	(41.2-48.5)	78.1	(74.9-81.0)
Some college	24.7	(20.0-30.1)	74.6	(71.4-77.5)
College graduate	23.5	(18.2-29.8)	78.1	(75.1-80.8)
<b>Household Income</b>				
< \$20,000	45.0	(41.7-48.3)	76.7	(71.9-80.8)
\$20,000 - \$34,999	41.2	(38.2-44.2)	76.5	(72.2-80.4)
\$35,000 - \$49,999	36.0	(32.9-39.2)	82.4	(77.9-86.2)
\$50,000 - \$74,999	33.3	(30.4-36.4)	76.8	(71.8-81.2)
\$75,000 +	25.9	(24.1-27.7)	72.9	(68.8-76.6)
<sup>a</sup> Among all adults, 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. (N = 10,859) <sup>b</sup> Among adults who were ever told that they had HBP, the proportion that reported they were currently taking blood pressure (BP) medicines for their HBP. (N = 4,394) <sup>c</sup> Suppressed due to a denominator < 50 and/or a relative standard error > 30%.				



**Table 22: Cholesterol Screening and Awareness  
2017 Michigan BRFSS**

Demographic Characteristics	Cholesterol Ever Checked <sup>a</sup>		Checked Within Past Five Years <sup>b</sup>		Ever Told High Cholesterol <sup>c</sup>	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	<b>93.4</b>	<b>(92.7-94.0)</b>	<b>89.3</b>	<b>(88.4-90.1)</b>	<b>35.0</b>	<b>(33.9-36.2)</b>
<b>Age</b>						
18 – 24	73.6	(69.5-77.3)	70.5	(66.3-74.5)	8.3	(5.3-12.7)
25 – 34	87.0	(84.3-89.3)	80.5	(77.4-83.3)	12.8	(10.3-15.7)
35 – 44	94.0	(92.2-95.4)	88.0	(85.4-90.1)	21.1	(18.2-24.3)
45 – 54	97.6	(96.6-98.4)	93.6	(91.9-95.0)	33.9	(31.1-36.8)
55 – 64	98.0	(97.0-98.7)	93.7	(92.2-94.9)	48.3	(45.7-50.8)
65 – 74	99.2	(98.7-99.6)	97.8	(96.9-98.4)	57.2	(54.6-59.8)
75 +	99.2	(98.7-99.6)	97.7	(96.6-98.4)	54.0	(50.6-57.3)
<b>Gender</b>						
Male	92.3	(91.2-93.2)	87.0	(85.6-88.2)	36.8	(35.0-38.6)
Female	94.4	(93.4-95.2)	91.4	(90.3-92.4)	33.4	(31.8-34.9)
<b>Race/Ethnicity</b>						
White non-Hispanic	93.7	(92.9-94.4)	89.4	(88.4-90.3)	36.2	(34.9-37.6)
Black non-Hispanic	93.5	(91.5-95.1)	91.8	(89.5-93.6)	35.2	(31.6-39.0)
Other non-Hispanic	87.4	(82.4-91.2)	82.8	(77.1-87.3)	25.1	(19.9-31.1)
Hispanic	93.7	(89.3-96.3)	87.3	(80.9-91.8)	23.7	(18.4-30.0)
<b>Education</b>						
Less than high school	92.3	(88.9-94.8)	87.5	(83.4-90.7)	42.5	(37.0-48.2)
High school graduate	92.4	(91.0-93.6)	87.8	(86.1-89.3)	36.7	(34.6-39.0)
Some college	92.9	(91.6-94.1)	89.1	(87.5-90.5)	34.2	(32.2-36.2)
College graduate	95.7	(94.7-96.4)	92.0	(90.9-93.1)	31.5	(29.9-33.2)
<b>Household Income</b>						
< \$20,000	92.2	(90.1-94.0)	88.7	(86.3-90.8)	42.4	(38.9-45.9)
\$20,000 - \$34,999	93.3	(91.5-94.8)	88.1	(85.6-90.2)	37.6	(34.6-40.8)
\$35,000 - \$49,999	90.8	(88.3-92.8)	86.8	(83.9-89.1)	35.8	(32.6-39.2)
\$50,000 - \$74,999	95.5	(93.8-96.7)	90.9	(88.7-92.7)	35.9	(32.7-39.3)
\$75,000 +	95.3	(94.1-96.2)	91.5	(90.0-92.8)	30.2	(28.2-32.2)

<sup>a</sup> Among all adults, the proportion who reported ever having had their blood cholesterol checked. (N = 10,326)

<sup>b</sup> Among all adults, the proportion who reported that they have had their blood cholesterol checked within the past five years. (N = 10,326)

<sup>c</sup> Among adults who ever had their blood cholesterol checked, the proportion who reported that a doctor, nurse, or other health professional had told them that their cholesterol was high. (N = 9,775)

<b>Table 23: No Routine Checkup in Past Year 2017 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>26.5</b>	<b>(25.4-27.7)</b>
<b>Age</b>		
18 - 24	37.2	(33.2-41.3)
25 - 34	38.9	(35.5-42.3)
35 - 44	34.5	(31.2-38.0)
45 - 54	24.6	(22.2-27.3)
55 - 64	20.4	(18.4-22.6)
65 - 74	14.6	(12.9-16.6)
75 +	10.2	(8.3-12.5)
<b>Gender</b>		
Male	30.3	(28.6-32.1)
Female	23.0	(21.6-24.5)
<b>Race/Ethnicity</b>		
White non-Hispanic	27.1	(25.9-28.4)
Black non-Hispanic	18.9	(16.1-22.0)
Other non-Hispanic	33.1	(27.7-39.0)
Hispanic	31.6	(24.9-39.1)
<b>Education</b>		
Less than high school	28.9	(24.2-34.1)
High school graduate	25.8	(23.8-27.9)
Some college	27.6	(25.7-29.6)
College graduate	25.0	(23.4-26.7)
<b>Household Income</b>		
< \$20,000	24.6	(21.8-27.7)
\$20,000 - \$34,999	27.5	(24.7-30.6)
\$35,000 - \$49,999	27.7	(24.6-30.9)
\$50,000 - \$74,999	29.0	(25.9-32.4)
\$75,000 +	26.3	(24.3-28.4)
<sup>a</sup> Among all adults, the proportion who reported that they did not have a routine checkup in the past year. (N = 10,772)		

<b>Table 24: Colorectal Cancer Screening (Blood Stool Test) Among Adults Aged 50 Years and Older 2017 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>30.7</b>	<b>(29.4-32.1)</b>	<b>12.8</b>	<b>(11.8-13.8)</b>
<b>Age</b>				
50 - 59	18.3	(16.3-20.5)	8.6	(7.2-10.3)
60 - 69	33.1	(30.8-35.5)	14.4	(12.7-16.2)
70 +	43.2	(40.7-45.8)	16.0	(14.2-18.0)
<b>Gender</b>				
Male	28.5	(26.5-30.6)	12.6	(11.2-14.1)
Female	32.7	(30.9-34.6)	12.9	(11.6-14.3)
<b>Race/Ethnicity</b>				
White non-Hispanic	32.0	(30.5-33.5)	12.9	(11.8-14.0)
Black non-Hispanic	24.8	(20.6-29.6)	11.6	(8.6-15.3)
Other non-Hispanic	24.8	(16.9-34.9)	12.8	(8.3-19.2)
Hispanic	27.0	(18.1-38.3)	14.0	(7.7-24.2)
<b>Education</b>				
Less than high school	23.7	(18.6-29.7)	12.8	(9.2-17.7)
High school graduate	27.6	(25.3-30.0)	11.8	(10.2-13.5)
Some college	34.1	(31.7-36.6)	13.9	(12.2-15.8)
College graduate	33.8	(31.7-36.0)	12.6	(11.2-14.2)
<b>Household Income</b>				
< \$20,000	27.2	(23.6-31.2)	14.5	(11.8-17.8)
\$20,000 - \$34,999	32.3	(29.0-35.7)	14.5	(12.3-17.2)
\$35,000 - \$49,999	32.6	(29.0-36.5)	13.0	(10.5-15.9)
\$50,000 - \$74,999	31.4	(27.8-35.2)	11.5	(9.3-14.2)
\$75,000 +	29.4	(26.9-32.0)	11.5	(9.8-13.4)
<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 = 6,381)				
<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 = 6,291)				

**Table 25: Colorectal Cancer Screening (Sigmoidoscopy/Colonoscopy)  
Among Adults Aged 50 Years and Older  
2017 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>75.5</b>	<b>(74.0-76.8)</b>	<b>55.4</b>	<b>(53.9-57.0)</b>	<b>69.4</b>	<b>(67.9-70.9)</b>
<b>Age</b>						
50 - 59	64.7	(61.9-67.4)	49.6	(46.8-52.4)	61.1	(58.3-63.9)
60 - 69	82.1	(80.0-84.0)	60.2	(57.6-62.7)	75.2	(72.9-77.4)
70 +	81.1	(78.8-83.2)	57.3	(54.7-59.9)	73.1	(70.6-75.4)
<b>Gender</b>						
Male	75.9	(73.7-78.0)	56.6	(54.3-59.0)	70.1	(67.8-72.3)
Female	75.1	(73.2-76.9)	54.4	(52.3-56.4)	68.9	(66.8-70.8)
<b>Race/Ethnicity</b>						
White non-Hispanic	77.0	(75.5-78.5)	56.2	(54.6-57.9)	70.9	(69.3-72.4)
Black non-Hispanic	66.0	(60.6-71.0)	49.3	(44.0-54.6)	61.5	(56.0-66.7)
Other non-Hispanic	67.6	(57.2-76.5)	50.9	(40.1-61.6)	61.6	(51.0-71.2)
Hispanic	68.5	(54.5-79.8)	53.2	(40.1-65.8)	60.6	(46.9-72.8)
<b>Education</b>						
Less than high school	62.1	(55.5-68.3)	47.7	(41.1-54.3)	55.9	(49.1-62.5)
High school graduate	71.6	(69.0-74.1)	51.9	(49.1-54.7)	65.2	(62.5-67.8)
Some college	79.5	(77.1-81.6)	59.1	(56.4-61.7)	74.1	(71.6-76.4)
College graduate	81.3	(79.4-83.2)	58.7	(56.4-61.0)	74.8	(72.7-76.9)
<b>Household Income</b>						
< \$20,000	66.0	(61.6-70.1)	52.2	(47.7-56.6)	59.9	(55.4-64.3)
\$20,000 - \$34,999	73.0	(69.4-76.3)	50.0	(46.3-53.7)	65.5	(61.8-69.1)
\$35,000 - \$49,999	75.3	(71.3-79.0)	54.5	(50.2-58.7)	69.7	(65.4-73.6)
\$50,000 - \$74,999	80.3	(76.7-83.5)	58.4	(54.3-62.5)	74.7	(70.7-78.2)
\$75,000 +	82.4	(80.0-84.7)	62.3	(59.4-65.1)	77.6	(75.0-80.0)

<sup>a</sup> Among adults aged 50 years and older, the proportion who reported ever having a sigmoidoscopy or colonoscopy. (N = 6,403)

<sup>b</sup> Among adults aged 50 years and older, the proportion who reported having a sigmoidoscopy or colonoscopy in the past five years. (N = 6,316)

<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. (N = 6,237)

<b>Table 26: Appropriate Colorectal Cancer Screening Among Adults 50 Years and Older 2017 Michigan BRFSS</b>		
	<b>Appropriate Colorectal Cancer Screening<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>72.8</b>	<b>(71.4-74.3)</b>
<b>Age</b>		
50 - 59	64.5	(61.7-67.2)
60 - 69	78.7	(76.4-80.8)
70 +	76.5	(74.1-78.7)
<b>Gender</b>		
Male	72.7	(70.5-74.9)
Female	72.9	(71.0-74.8)
<b>Race/Ethnicity</b>		
White non-Hispanic	74.1	(72.5-75.6)
Black non-Hispanic	66.1	(60.7-71.1)
Other non-Hispanic	66.8	(56.2-75.9)
Hispanic	62.9	(49.1-74.9)
<b>Education</b>		
Less than high school	61.4	(54.6-67.8)
High school graduate	68.8	(66.1-71.4)
Some college	77.2	(74.8-79.4)
College graduate	77.5	(75.4-79.5)
<b>Household Income</b>		
< \$20,000	66.0	(61.7-70.2)
\$20,000 - \$34,999	69.7	(66.0-73.1)
\$35,000 - \$49,999	73.4	(69.3-77.2)
\$50,000 - \$74,999	76.2	(72.3-79.6)
\$75,000 +	79.7	(77.2-82.1)
<sup>a</sup> Among adults aged 50 years and older, the proportion who reported having either a fecal occult blood test within the past year, a sigmoidoscopy within the past five years, or a colonoscopy within the past ten years. (N = 6,254)		

<b>Table 27: Immunizations among Adults Aged 65 Years and Older 2017 Michigan BRFS</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>60.3</b>	<b>(58.2-62.3)</b>	<b>75.8</b>	<b>(73.9-77.6)</b>
<b>Age</b>				
65 - 74	56.9	(54.3-59.5)	72.1	(69.6-74.4)
75 +	65.1	(61.9-68.2)	81.1	(78.3-83.6)
<b>Gender</b>				
Male	61.2	(58.0-64.3)	73.2	(70.2-76.1)
Female	59.6	(56.9-62.2)	77.9	(75.6-80.0)
<b>Race/Ethnicity</b>				
White non-Hispanic	61.2	(59.0-63.3)	76.7	(74.8-78.6)
Black non-Hispanic	50.8	(43.0-58.7)	65.6	(57.8-72.6)
Other non-Hispanic	66.5	(52.0-78.4)	75.5	(59.7-86.5)
Hispanic	-- <sup>c</sup>	-- <sup>c</sup>	-- <sup>c</sup>	-- <sup>c</sup>
<b>Education</b>				
Less than high school	55.8	(47.2-64.1)	72.2	(63.9-79.3)
High school graduate	57.6	(54.1-61.1)	73.9	(70.7-77.0)
Some college	60.7	(57.2-64.1)	77.3	(74.2-80.1)
College graduate	65.9	(62.8-68.9)	78.9	(76.1-81.5)
<b>Household Income</b>				
< \$20,000	57.2	(51.0-63.3)	68.1	(61.9-73.7)
\$20,000 - \$34,999	58.2	(53.8-62.6)	75.0	(70.9-78.7)
\$35,000 - \$49,999	58.9	(53.7-63.9)	76.8	(71.9-81.1)
\$50,000 - \$74,999	66.6	(61.4-71.4)	79.8	(75.1-83.8)
\$75,000 +	66.4	(61.7-70.7)	77.1	(72.8-80.9)
<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 = 3,597) <sup>b</sup> Among adults aged 65 years and older, the proportion who reported that they ever had a pneumococcal vaccine. (N = 3,516) <sup>c</sup> Suppressed due to a denominator < 50 and/or a relative standard error > 30%.				

<b>Table 28: HIV Testing among Adults Aged 18 - 64 Years 2017 Michigan BRFSS</b>		
	<b>Ever Had an HIV Test<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>45.5</b>	<b>(43.9-47.0)</b>
<b>Age</b>		
18 – 24	30.1	(26.3-34.3)
25 – 34	56.6	(52.9-60.3)
35 – 44	58.6	(54.8-62.2)
45 – 54	50.8	(47.7-53.9)
55 – 64	31.4	(28.9-33.9)
<b>Gender</b>		
Male	41.0	(38.8-43.2)
Female	49.9	(47.8-52.0)
<b>Race/Ethnicity</b>		
White non-Hispanic	41.1	(39.4-42.8)
Black non-Hispanic	72.1	(68.0-75.8)
Other non-Hispanic	45.3	(38.7-52.1)
Hispanic	38.8	(31.3-46.9)
<b>Education</b>		
Less than high school	49.5	(42.7-56.3)
High school graduate	40.6	(37.7-43.5)
Some college	49.0	(46.4-51.6)
College graduate	44.4	(42.1-46.7)
<b>Household Income</b>		
< \$20,000	56.9	(52.8-60.9)
\$20,000 - \$34,999	46.6	(42.4-51.0)
\$35,000 - \$49,999	44.4	(39.9-48.9)
\$50,000 - \$74,999	43.8	(39.8-48.0)
\$75,000 +	42.5	(40.0-45.1)
<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 = 6,252)		

<b>Table 29: Asthma among Adults 2017 Michigan BRFS</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>16.0</b>	<b>(15.1-17.0)</b>	<b>10.9</b>	<b>(10.1-11.7)</b>
<b>Age</b>				
18 - 24	23.0	(19.6-26.7)	14.8	(12.0-18.2)
25 - 34	17.0	(14.5-19.7)	10.0	(8.1-12.3)
35 - 44	15.8	(13.4-18.5)	9.9	(8.1-12.2)
45 - 54	14.4	(12.4-16.5)	10.3	(8.7-12.2)
55 - 64	15.4	(13.6-17.4)	11.6	(10.0-13.4)
65 - 74	13.1	(11.5-14.8)	9.3	(8.0-10.9)
75 +	12.6	(10.5-15.0)	9.3	(7.5-11.6)
<b>Gender</b>				
Male	12.2	(11.1-13.5)	7.0	(6.1-8.0)
Female	19.7	(18.3-21.1)	14.6	(13.4-15.8)
<b>Race/Ethnicity</b>				
White non-Hispanic	15.3	(14.3-16.4)	10.3	(9.4-11.2)
Black non-Hispanic	21.8	(18.9-25.0)	15.3	(12.8-18.2)
Other non-Hispanic	16.7	(13.0-21.2)	11.1	(8.3-14.7)
Hispanic	12.6	(8.5-18.2)	9.5	(6.0-14.7)
<b>Education</b>				
Less than high school	24.6	(20.4-29.4)	18.4	(14.7-22.9)
High school graduate	15.0	(13.4-16.6)	10.2	(9.0-11.6)
Some college	15.8	(14.3-17.4)	10.9	(9.7-12.3)
College graduate	14.0	(12.7-15.3)	8.2	(7.3-9.2)
<b>Household Income</b>				
< \$20,000	22.6	(19.9-25.5)	17.6	(15.2-20.2)
\$20,000 - \$34,999	17.3	(14.9-19.9)	11.9	(10.0-14.2)
\$35,000 - \$49,999	14.6	(12.2-17.4)	10.2	(8.1-12.8)
\$50,000 - \$74,999	13.3	(11.1-15.8)	8.8	(6.9-11.1)
\$75,000 +	12.7	(11.3-14.3)	7.2	(6.2-8.4)
<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 = 10,845)				
<sup>b</sup> Among all adults, the proportion who reported that they still had asthma. (N = 10,785)				



<b>Table 30: Asthma among Children 2017 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>11.9</b>	<b>(10.5-13.6)</b>	<b>8.8</b>	<b>(7.5-10.3)</b>
<b>Age</b>				
0 - 4	6.7	(4.5-9.7)	4.9	(3.2-7.6)
5 - 9	11.7	(8.8-15.3)	9.4	(6.8-12.8)
10 - 14	15.1	(11.8-19.0)	10.1	(7.4-13.6)
15 - 17	15.6	(12.5-19.3)	11.4	(8.7-14.9)
<b>Gender</b>				
Boy	13.6	(11.4-16.0)	9.6	(7.8-11.8)
Girl	10.2	(8.2-12.5)	7.8	(6.1-10.0)
<b>Race/Ethnicity</b>				
White non-Hispanic	9.3	(7.8-11.0)	6.5	(5.2-8.0)
Black non-Hispanic	20.9	(16.0-26.8)	17.4	(12.9-23.0)
Other non-Hispanic	11.0	(7.1-16.6)	8.2	(4.8-13.5)
Hispanic	14.7	(9.3-22.4)	10.2	(5.9-17.0)
<b>Respondent Education</b>				
Less than high school	19.8	(12.1-30.8)	12.9	(7.5-21.4)
High school graduate	11.3	(8.3-15.3)	9.8	(6.9-13.8)
Some college	14.7	(11.9-17.9)	10.9	(8.5-13.8)
College graduate	9.4	(7.5-11.7)	6.2	(4.6-8.3)
<b>Household Income</b>				
< \$20,000	18.5	(13.0-25.6)	16.6	(11.4-23.6)
\$20,000 - \$34,999	15.2	(11.0-20.8)	9.5	(6.3-14.0)
\$35,000 - \$49,999	7.7	(4.7-12.6)	6.5	(3.7-11.3)
\$50,000 - \$74,999	12.1	(8.9-16.2)	9.4	(6.6-13.3)
\$75,000 +	9.5	(7.5-11.9)	6.3	(4.6-8.5)
<sup>a</sup> Estimated proportion of Michigan children aged 0-17 years who were ever told by a doctor, nurse or other health professional that they had asthma, using proxy information from the adult respondent. (N = 2,340). <sup>b</sup> Estimated proportion of Michigan children aged 0-17 years who still have asthma, using proxy information from the adult respondent. (N = 2,331)				

**Table 31: Chronic Obstructive Pulmonary Disease (COPD)  
2017 Michigan BRFSS**

	Ever Told COPD, Emphysema or Chronic Bronchitis <sup>a</sup>	
	%	95% Confidence Interval
<b>Total</b>	<b>8.8</b>	<b>(8.1-9.4)</b>
<b>Age</b>		
18 - 24	2.6	(1.6-4.2)
25 - 34	2.6	(1.7-4.1)
35 - 44	4.9	(3.5-6.9)
45 - 54	8.8	(7.2-10.7)
55 - 64	14.5	(12.7-16.5)
65 - 75	14.2	(12.4-16.2)
75 +	15.6	(13.2-18.2)
<b>Gender</b>		
Male	7.6	(6.7-8.5)
Female	9.9	(9.0-10.9)
<b>Race/Ethnicity</b>		
White/Non-Hispanic	8.5	(7.8-9.2)
Black/Non-Hispanic	11.5	(9.3-14.0)
Other/Non-Hispanic	8.1	(5.7-11.5)
Hispanic	6.5	(3.7-11.1)
<b>Education</b>		
Less than high school	17.9	(14.6-21.9)
High school graduate	10.9	(9.7-12.3)
Some college	8.6	(7.6-9.7)
College graduate	2.6	(2.1-3.1)
<b>Household Income</b>		
< \$20,000	20.3	(17.8-23.0)
\$20,000 - \$34,999	14.1	(12.2-16.4)
\$35,000 - \$49,999	7.9	(6.2-10.0)
\$50,000 - \$74,999	5.0	(3.8-6.4)
\$75,000 +	2.5	(1.9-3.2)
<sup>a</sup> Among all adults, the proportion who reported ever being told by a doctor that they had chronic obstructive pulmonary disease (COPD), emphysema or chronic bronchitis. (N = 10,827)		

<b>Table 32: Arthritis 2017 Michigan BRFSS</b>		
<b>Demographic Characteristics</b>	<b>Ever Told Arthritis<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>30.5</b>	<b>(29.5-31.6)</b>
<b>Age</b>		
18 - 24	4.7	(3.3-6.9)
25 - 34	10.7	(8.7-13.1)
35 - 44	16.9	(14.5-19.7)
45 - 54	30.5	(27.8-33.3)
55 - 64	46.1	(43.6-48.6)
65 - 75	55.8	(53.3-58.4)
75 +	59.0	(55.7-62.2)
<b>Gender</b>		
Male	25.8	(24.4-27.4)
Female	35.0	(33.5-36.5)
<b>Race/Ethnicity</b>		
White/Non-Hispanic	31.5	(30.3-32.7)
Black/Non-Hispanic	29.9	(26.8-33.3)
Other/Non-Hispanic	21.0	(16.9-25.8)
Hispanic	23.9	(18.6-30.2)
<b>Education</b>		
Less than high school	40.9	(36.0-45.9)
High school graduate	33.5	(31.6-35.5)
Some college	30.5	(28.8-32.4)
College graduate	22.7	(21.3-24.1)
<b>Household Income</b>		
< \$20,000	43.7	(40.5-47.0)
\$20,000 - \$34,999	37.5	(34.6-40.5)
\$35,000 - \$49,999	34.3	(31.2-37.5)
\$50,000 - \$74,999	27.7	(25.0-30.5)
\$75,000 +	18.8	(17.3-20.4)
<sup>a</sup> Among all adults, the proportion who reported ever being told by a doctor that they had some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia. (N = 10,831)		

**Table 33: Cardiovascular Disease  
2017 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>5.4</b>	<b>(4.9-5.9)</b>	<b>5.2</b>	<b>(4.8-5.8)</b>	<b>3.7</b>	<b>(3.3-4.2)</b>	<b>10.5</b>	<b>(9.8-11.2)</b>
<b>Age</b>								
18 - 34	-- <sup>e</sup>	-- <sup>e</sup>	-- <sup>e</sup>	-- <sup>e</sup>	-- <sup>e</sup>	-- <sup>e</sup>	1.7	(1.0-2.7)
35 - 44	-- <sup>e</sup>	-- <sup>e</sup>	0.5	(0.2-1.2)	1.4	(0.8-2.4)	3.1	(2.1-4.5)
45 - 54	4.4	(3.4-5.8)	4.2	(3.1-5.6)	3.7	(2.7-5.0)	8.7	(7.2-10.6)
55 - 64	7.8	(6.4-9.4)	7.5	(6.2-9.1)	4.8	(3.7-6.2)	14.7	(12.8-16.7)
65 - 74	11.1	(9.5-13.0)	12.1	(10.4-14.0)	6.5	(5.3-7.9)	21.1	(19.0-23.4)
75 +	16.9	(14.5-19.7)	17.0	(14.6-19.8)	10.3	(8.6-12.4)	31.8	(28.8-35.0)
<b>Gender</b>								
Male	7.1	(6.3-8.1)	6.3	(5.5-7.1)	3.7	(3.1-4.5)	12.1	(11.0-13.2)
Female	3.8	(3.3-4.4)	4.3	(3.7-4.9)	3.8	(3.2-4.4)	8.9	(8.1-9.8)
<b>Race/Ethnicity</b>								
White non-Hispanic	5.5	(5.0-6.2)	5.2	(4.7-5.8)	3.4	(3.0-3.9)	10.3	(9.6-11.1)
Black non-Hispanic	5.7	(4.3-7.4)	5.8	(4.4-7.7)	5.5	(4.2-7.3)	12.3	(10.2-14.8)
Other non-Hispanic	3.7	(2.2-6.1)	4.3	(2.7-7.0)	3.9	(2.4-6.5)	8.2	(5.8-11.5)
Hispanic	-- <sup>e</sup>	-- <sup>e</sup>	-- <sup>e</sup>	-- <sup>e</sup>	-- <sup>e</sup>	-- <sup>e</sup>	8.3	(5.1-13.3)
<b>Education</b>								
< High school	8.9	(6.5-12.0)	9.8	(7.4-12.9)	6.7	(4.6-9.7)	17.8	(14.4-21.8)
High school graduate	6.7	(5.8-7.7)	5.7	(4.9-6.7)	4.8	(4.0-5.7)	12.3	(11.1-13.7)
Some college	5.3	(4.5-6.2)	4.9	(4.2-5.7)	3.2	(2.6-4.0)	9.8	(8.7-11.0)
College graduate	2.7	(2.3-3.2)	3.4	(2.9-4.0)	2.0	(1.6-2.4)	6.1	(5.5-6.9)
<b>Household Income</b>								
< \$20,000	9.2	(7.6-11.2)	10.3	(8.4-12.5)	7.7	(6.2-9.6)	19.6	(17.2-22.4)
\$20,000 - \$34,999	9.4	(7.8-11.3)	7.3	(6.0-8.9)	5.8	(4.5-7.5)	15.1	(13.1-17.3)
\$35,000 - \$49,999	6.6	(5.1-8.3)	5.5	(4.2-7.0)	4.1	(2.9-5.7)	12.1	(10.1-14.4)
\$50,000 - \$74,999	3.4	(2.5-4.6)	3.7	(2.9-4.9)	2.5	(1.7-3.7)	7.3	(5.9-8.9)
\$75,000 +	2.6	(2.0-3.3)	2.5	(2.0-3.1)	1.3	(0.9-1.8)	4.8	(4.0-5.7)

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 = 10,845);

<sup>b</sup> they had angina or coronary heart disease (N = 10,786);

<sup>c</sup> they had a stroke. (N = 10,860)

<sup>d</sup> they had a heart attack, coronary heart disease or a stroke. (N = 10,785)

<sup>e</sup> Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

<b>Table 34: Cancer 2017 Michigan BRFSS</b>						
	<b>Ever Told Skin Cancer<sup>a</sup></b>		<b>Ever Told Any Other Types of Cancer<sup>b</sup></b>		<b>Ever Told Cancer<sup>c</sup></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>6.0</b>	<b>(5.5-6.5)</b>	<b>8.3</b>	<b>(7.7-9.0)</b>	<b>12.7</b>	<b>(12.0-13.5)</b>
<b>Age</b>						
18 - 34	1.0	(0.5-1.8)	1.5	(0.9-2.4)	1.9	(1.3-2.9)
35 - 44	-- <sup>d</sup>	-- <sup>d</sup>	3.7	(2.6-5.2)	4.3	(3.1-5.9)
45 - 54	3.5	(2.6-4.7)	5.1	(3.9-6.5)	8.5	(7.0-10.2)
55 - 64	7.5	(6.3-8.8)	11.7	(10.2-13.5)	17.6	(15.8-19.6)
65 - 74	13.7	(12.1-15.5)	17.4	(15.6-19.4)	27.6	(25.4-29.9)
75 +	21.8	(19.2-24.6)	24.7	(21.9-27.7)	39.1	(35.9-42.3)
<b>Gender</b>						
Male	5.6	(5.0-6.4)	7.4	(6.6-8.3)	11.4	(10.5-12.5)
Female	6.3	(5.7-7.0)	9.2	(8.4-10.1)	14.0	(13.0-15.0)
<b>Race/Ethnicity</b>						
White non-Hispanic	7.4	(6.9-8.1)	9.1	(8.4-9.8)	14.6	(13.8-15.5)
Black non-Hispanic	-- <sup>d</sup>	-- <sup>d</sup>	6.5	(5.1-8.2)	6.9	(5.4-8.7)
Other non-Hispanic	-- <sup>d</sup>	-- <sup>d</sup>	5.8	(3.4-9.6)	7.6	(4.9-11.5)
Hispanic	-- <sup>d</sup>	-- <sup>d</sup>	-- <sup>d</sup>	-- <sup>d</sup>	3.5	(1.9-6.2)
<b>Education</b>						
Less than high school	5.5	(3.7-8.3)	11.9	(9.1-15.4)	14.4	(11.4-18.1)
High school graduate	5.8	(5.0-6.7)	8.7	(7.7-9.9)	12.9	(11.7-14.3)
Some college	5.9	(5.1-6.7)	7.9	(7.0-8.9)	12.4	(11.3-13.6)
College graduate	6.6	(5.9-7.4)	7.0	(6.3-7.9)	12.3	(11.4-13.4)
<b>Household Income</b>						
< \$20,000	4.5	(3.3-5.9)	12.3	(10.3-14.6)	15.1	(12.9-17.6)
\$20,000 - \$34,999	7.0	(5.7-8.5)	9.5	(8.0-11.3)	14.3	(12.5-16.3)
\$35,000 - \$49,999	6.7	(5.4-8.4)	10.4	(8.6-12.7)	14.8	(12.6-17.2)
\$50,000 - \$74,999	6.5	(5.3-7.9)	7.1	(5.8-8.7)	12.3	(10.6-14.2)
\$75,000 +	5.2	(4.5-6.0)	5.0	(4.3-5.8)	9.3	(8.3-10.3)

<sup>a</sup> Among all adults, the proportion who reported ever being told by a doctor that they had skin cancer. (N = 10,871)  
<sup>b</sup> Among all adults, the proportion who reported ever being told by a doctor that they had a form of cancer other than skin cancer. (N = 10,868)  
<sup>c</sup> Among all adults, the proportion who reported ever being told by a doctor that they had skin cancer or any other type of cancer. (N = 10,856)  
<sup>d</sup> Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

<b>Table 35: Diabetes 2017 Michigan BRFSS</b>		
	<b>Ever Told Diabetes<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>11.0</b>	<b>(10.4-11.8)</b>
<b>Age</b>		
18 – 24	-- <sup>b</sup>	-- <sup>b</sup>
25 – 34	-- <sup>b</sup>	-- <sup>b</sup>
35 – 44	3.9	(2.8-5.4)
45 – 54	11.4	(9.6-13.5)
55 – 64	17.1	(15.3-19.2)
65 – 74	23.0	(20.8-25.3)
75 +	25.2	(22.3-28.3)
<b>Gender</b>		
Male	11.1	(10.1-12.1)
Female	11.0	(10.1-12.0)
<b>Race/Ethnicity</b>		
White non-Hispanic	10.5	(9.8-11.3)
Black non-Hispanic	14.6	(12.3-17.2)
Other non-Hispanic	8.8	(6.2-12.4)
Hispanic	12.2	(8.7-17.0)
<b>Education</b>		
Less than high school	18.8	(15.4-22.7)
High school graduate	12.2	(11.0-13.5)
Some college	10.4	(9.3-11.5)
College graduate	7.4	(6.6-8.2)
<b>Household Income</b>		
< \$20,000	16.7	(14.4-19.3)
\$20,000 - \$34,999	14.4	(12.5-16.5)
\$35,000 - \$49,999	13.3	(11.2-15.7)
\$50,000 - \$74,999	9.2	(7.6-11.0)
\$75,000 +	6.1	(5.3-7.1)
<sup>a</sup> Among all adults, the proportion who reported that they were ever told by a doctor that they had diabetes. Adults told they have prediabetes and women who had diabetes only during pregnancy were classified as not having been diagnosed. (N = 10,880) <sup>b</sup> Suppressed due to a denominator < 50 and/or a relative standard error > 30%.		

<b>Table 36: Kidney Disease 2017 Michigan BRFSS</b>		
	<b>Ever Told Kidney Disease<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>3.7</b>	<b>(3.3-4.2)</b>
<b>Age</b>		
18 – 24	-- <sup>b</sup>	-- <sup>b</sup>
25 – 34	2.5	(1.5-4.0)
35 – 44	2.1	(1.3-3.5)
45 – 54	2.9	(2.1-4.0)
55 – 64	4.3	(3.4-5.4)
65 – 74	6.8	(5.6-8.3)
75 +	8.3	(6.5-10.5)
<b>Gender</b>		
Male	3.0	(2.5-3.7)
Female	4.3	(3.8-5.0)
<b>Race/Ethnicity</b>		
White non-Hispanic	3.7	(3.2-4.2)
Black non-Hispanic	4.4	(3.2-6.0)
Other non-Hispanic	2.4	(1.4-4.3)
Hispanic	3.4	(1.8-6.0)
<b>Education</b>		
Less than high school	5.8	(4.0-8.3)
High school graduate	3.9	(3.1-4.7)
Some college	3.8	(3.1-4.7)
College graduate	2.5	(2.0-3.1)
<b>Household Income</b>		
< \$20,000	6.5	(5.1-8.2)
\$20,000 - \$34,999	5.0	(3.8-6.4)
\$35,000 - \$49,999	3.8	(2.7-5.4)
\$50,000 - \$74,999	2.5	(1.8-3.5)
\$75,000 +	2.1	(1.5-2.8)
<sup>a</sup> Among all adults, the proportion who reported ever being told by a doctor that they had kidney disease. (N = 10,856)		
<sup>b</sup> Suppressed due to a denominator < 50 and/or a relative standard error > 30%.		

<b>Table 37: Depression 2017 Michigan BRFSS</b>		
	<b>Ever Told Depression<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	<b>23.5</b>	<b>(22.5-24.6)</b>
<b>Age</b>		
18 – 24	23.7	(20.3-27.5)
25 – 34	27.2	(24.2-30.4)
35 – 44	23.1	(20.3-26.2)
45 – 54	25.2	(22.7-27.8)
55 – 64	24.2	(22.1-26.4)
65 – 74	22.2	(20.1-24.5)
75 +	15.1	(12.9-17.6)
<b>Gender</b>		
Male	17.2	(15.9-18.7)
Female	29.4	(27.9-31.0)
<b>Race/Ethnicity</b>		
White non-Hispanic	23.8	(22.6-25.0)
Black non-Hispanic	23.1	(20.0-26.4)
Other non-Hispanic	22.7	(18.2-27.8)
Hispanic	23.3	(18.0-29.5)
<b>Education</b>		
Less than high school	34.7	(29.9-39.8)
High school graduate	22.6	(20.8-24.5)
Some college	25.2	(23.5-27.1)
College graduate	17.4	(16.1-18.9)
<b>Household Income</b>		
< \$20,000	38.8	(35.7-42.1)
\$20,000 - \$34,999	25.4	(22.8-28.2)
\$35,000 - \$49,999	22.5	(19.7-25.5)
\$50,000 - \$74,999	21.9	(19.2-24.9)
\$75,000 +	16.3	(14.7-18.0)

<sup>a</sup> Among all adults, the proportion who reported ever being told by a doctor that they had a depressive disorder including depression, major depression, dysthymia, or minor depression. (N = 10,848)