Preliminary Estimates for Risk Factors and Health Indicators
State of Michigan

Selected Tables

Michigan Behavioral Risk Factor Survey
2010

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Introduction

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

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

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

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

Table 1: Health Status
2010 Michigan BRFS

	General Health, Fair or Poor[a]	
	%	**95% Confidence Interval**
Total	**14.2**	**(13.3-15.2)**
Age		
18 – 24	8.7	(5.6-13.3)
25 – 34	10.0	(7.4-13.4)
35 – 44	10.8	(8.8-13.3)
45 – 54	13.0	(11.2-15.1)
55 – 64	18.0	(16.1-20.0)
65 – 74	19.2	(17.1-21.4)
75 +	28.3	(25.8-31.0)
Gender		
Male	13.0	(11.7-14.5)
Female	15.4	(14.1-16.8)
Race/Ethnicity		
White non-Hispanic	12.2	(11.2-13.2)
Black non-Hispanic	25.2	(21.6-29.2)
Other non-Hispanic	16.8	(12.3-22.6)
Hispanic	17.0	(10.6-26.0)
Education		
Less than high school	37.0	(31.1-43.4)
High school graduate	16.9	(15.1-18.8)
Some college	15.1	(13.3-17.0)
College graduate	7.0	(5.9-8.2)
Household Income		
< $20,000	33.6	(30.1-37.4)
$20,000 - $34,999	19.5	(17.2-22.1)
$35,000 - $49,999	11.1	(9.0-13.7)
$50,000 - $74,999	8.6	(6.5-11.2)
$75,000 +	5.2	(4.1-6.6)

[a] Among all adults, the proportion who reported that their health, in general, was either fair or poor. (N = 8,848)

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

	Poor Physical Health[a]		Poor Mental Health[b]		Activity Limitation[c]	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	**10.8**	**(9.9-11.7)**	**10.7**	**(9.8-11.7)**	**7.4**	**(6.7-8.2)**
Age						
18 – 24	6.3	(3.7-10.6)	14.8	(10.7-20.0)	4.3	(2.2-8.5)
25 – 34	6.6	(4.6-9.5)	11.5	(8.6-15.1)	5.5	(3.5-8.6)
35 – 44	9.4	(7.4-11.9)	13.0	(10.7-15.8)	7.2	(5.4-9.5)
45 – 54	10.5	(8.9-12.4)	9.6	(8.3-11.2)	8.1	(6.7-9.8)
55 – 64	13.8	(12.2-15.6)	9.5	(8.2-11.0)	9.4	(8.1-11.0)
65 – 74	13.9	(12.1-16.0)	6.8	(5.6-8.3)	7.9	(6.5-9.6)
75 +	19.2	(17.0-21.6)	6.2	(4.9-7.8)	9.2	(7.7-11.0)
Gender						
Male	9.7	(8.4-11.1)	8.9	(7.5-10.5)	6.7	(5.6-8.0)
Female	11.9	(10.7-13.1)	12.4	(11.2-13.8)	8.1	(7.1-9.2)
Race/Ethnicity						
White non-Hispanic	10.4	(9.5-11.4)	10.4	(9.4-11.5)	6.5	(5.8-7.4)
Black non-Hispanic	13.0	(10.1-16.5)	11.6	(8.9-15.2)	12.4	(9.5-16.1)
Other non-Hispanic	10.5	(7.5-14.6)	10.4	(6.9-15.2)	8.9	(5.7-13.5)
Hispanic	11.3	(5.9-20.3)	14.7	(8.0-25.4)	6.7	(3.3-13.1)
Education						
Less than high school	20.8	(16.4-26.1)	25.5	(19.9-32.0)	17.0	(12.8-22.1)
High school graduate	12.0	(10.6-13.6)	10.0	(8.4-11.9)	8.5	(7.2-10.1)
Some college	13.6	(11.7-15.7)	13.1	(11.2-15.3)	8.5	(7.0-10.4)
College graduate	5.3	(4.5-6.4)	6.4	(5.3-7.7)	3.7	(3.0-4.5)
Household Income						
< $20,000	23.0	(19.8-26.5)	21.6	(18.3-25.2)	21.1	(17.8-24.8)
$20,000 - $34,999	15.2	(13.0-17.6)	14.1	(11.7-16.8)	9.0	(7.3-11.1)
$35,000 - $49,999	11.1	(8.6-14.3)	10.0	(7.3-13.4)	6.4	(4.5-9.2)
$50,000 - $74,999	7.5	(5.7-9.7)	7.3	(5.3-10.0)	4.3	(3.1-6.2)
$75,000 +	4.3	(3.3-5.6)	6.0	(4.7-7.6)	2.7	(1.9-3.7)

[a] Among all adults, the proportion who reported 14 or more days of poor physical health, which includes physical illness and injury, during the past 30 days. (N = 8,711)
[b] Among all adults, the proportion who reported 14 or more days of poor mental health, which includes stress, depression, and problems with emotions, during the past 30 days. (N = 8,756)
[c] Among all adults, the proportion who reported 14 or more days in the past 30 days in which either poor physical health or poor mental health kept respondents from doing their usual activities, such as self-care, work, and recreation. (N = 8,795)

Table 3: Mean Number of Days of Poor Physical Health, Poor Mental Health, and Activity Limitations

2010 Michigan BRFS

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

[a] Among all adults, the mean number of days during the past 30 days in which physical health, including illness and injury, was not good. (N = 8,711)
[b] Among all adults, the mean number of days during the past 30 days in which mental health, including stress, depression, and problems with emotions, was not good. (N = 8,756)
[c] Among all adults, the mean number of days during the past 30 days in which poor physical health or poor mental health kept the respondent from doing usual activities, such as self-care, work, or recreation. (N = 8,795)

Table 4: Life Satisfaction
2010 Michigan BRFS

	Dissatisfied or Very Dissatisfied With Life[a]	
	%	**95% Confidence Interval**
Total	**6.1**	**(5.3-7.0)**
Age		
18 – 24	4.9	(2.7-8.8)
25 – 34	11.0	(7.5-15.9)
35 – 44	7.4	(5.5-9.8)
45 – 54	6.3	(5.1-7.7)
55 – 64	5.2	(4.2-6.4)
65 – 74	2.8	(2.1-3.7)
75 +	2.7	(2.0-3.8)
Gender		
Male	7.1	(5.8-8.7)
Female	5.1	(4.3-6.1)
Race/Ethnicity		
White non-Hispanic	5.3	(4.5-6.1)
Black non-Hispanic	9.4	(6.6-13.2)
Other non-Hispanic	9.1	(4.9-16.3)
Hispanic	8.4	(3.6-18.5)
Education		
Less than high school	10.4	(7.2-14.7)
High school graduate	6.4	(5.1-8.0)
Some college	7.4	(5.8-9.3)
College graduate	3.9	(2.8-5.4)
Household Income		
< $20,000	15.5	(12.5-18.9)
$20,000 - $34,999	7.4	(5.7-9.6)
$35,000 - $49,999	7.2	(4.4-11.4)
$50,000 - $74,999	3.5	(2.2-5.5)
$75,000 +	2.1	(1.3-3.3)

[a] Among all adults, the proportion who reported either “Dissatisfied” or “Very Dissatisfied” to the following question: “In general, how satisfied are you with life?” (N = 8,639)

Table 5: Social and Emotional Support
2010 Michigan BRFS

	Rarely or Never Receive the Social and Emotional Support that is Needed [a]	
	%	**95% Confidence Interval**
Total	**6.5**	**(5.8-7.2)**
Age		
18 – 24	5.2	(2.8-9.3)
25 – 34	5.7	(3.7-8.7)
35 – 44	5.5	(4.1-7.3)
45 – 54	5.7	(4.5-7.2)
55 – 64	6.0	(4.9-7.4)
65 – 74	6.8	(5.5-8.4)
75 +	14.7	(12.6-17.0)
Gender		
Male	6.9	(5.9-8.0)
Female	6.0	(5.1-7.1)
Race/Ethnicity		
White non-Hispanic	5.4	(4.7-6.2)
Black non-Hispanic	10.1	(7.7-13.0)
Other non-Hispanic	11.3	(7.6-16.7)
Hispanic	6.4	(3.4-11.8)
Education		
Less than high school	16.5	(12.3-21.8)
High school graduate	7.2	(6.0-8.7)
Some college	6.4	(5.1-8.0)
College graduate	4.0	(3.2-5.1)
Household Income		
< $20,000	16.6	(13.3-20.4)
$20,000 - $34,999	8.5	(7.1-10.3)
$35,000 - $49,999	4.5	(3.4-6.0)
$50,000 - $74,999	3.1	(2.2-4.5)
$75,000 +	2.7	(2.0-3.8)

[a] Among all adults, the proportion who reported either “Rarely” or “Never” to the following question: “How often do you get the social and emotional support you need?” (N = 8,571)

Table 6: Disability
2010 Michigan BRFS

	Total Disability[a]		Any Activity Limitation[b]		Used Special Equipment[c]	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	**24.5**	**(23.3-25.7)**	**22.6**	**(21.5-23.8)**	**8.0**	**(7.4-8.6)**
Age						
18 - 24	10.0	(7.0-14.1)	10.0	(7.0-14.1)	0.8	(0.3-2.3)
25 - 34	15.9	(12.3-20.4)	15.0	(11.5-19.4)	3.6	(2.1-6.1)
35 - 44	18.4	(15.7-21.4)	16.9	(14.4-19.9)	4.4	(3.3-6.0)
45 - 54	26.4	(24.0-29.0)	25.5	(23.1-28.1)	7.3	(6.0-8.8)
55 - 64	33.3	(31.1-35.7)	31.1	(28.9-33.4)	11.2	(9.7-12.9)
65 - 74	34.4	(31.9-37.0)	31.7	(29.2-34.3)	13.1	(11.4-15.1)
75 +	42.5	(39.6-45.3)	34.8	(32.1-37.6)	24.4	(22.1-26.9)
Gender						
Male	23.3	(21.4-25.2)	21.5	(19.8-23.4)	7.1	(6.2-8.2)
Female	25.6	(24.1-27.1)	23.7	(22.2-25.1)	8.8	(8.0-9.6)
Race/Ethnicity						
White non-Hispanic	24.7	(23.4-26.0)	23.0	(21.7-24.3)	7.3	(6.7-8.0)
Black non-Hispanic	28.2	(24.4-32.3)	25.1	(21.5-29.2)	13.5	(11.1-16.4)
Other non-Hispanic	19.3	(14.8-24.7)	17.7	(13.4-23.0)	6.1	(4.1-9.1)
Hispanic	15.8	(9.9-24.4)	14.8	(8.9-23.4)	4.5	(2.4-8.3)
Education						
Less than high school	33.0	(27.6-38.8)	29.9	(24.8-35.7)	13.1	(10.4-16.5)
High school graduate	27.3	(25.1-29.6)	25.2	(23.1-27.5)	9.8	(8.6-11.1)
Some college	26.9	(24.6-29.3)	25.0	(22.7-27.3)	8.7	(7.5-10.0)
College graduate	18.1	(16.5-19.9)	16.8	(15.2-18.5)	4.9	(4.1-5.8)
Household Income						
< $20,000	41.6	(37.8-45.4)	38.9	(35.2-42.7)	17.9	(15.6-20.5)
$20,000 - $34,999	29.2	(26.4-32.2)	26.7	(24.0-29.5)	11.4	(9.8-13.3)
$35,000 - $49,999	26.1	(22.8-29.7)	24.3	(21.1-27.8)	7.6	(6.1-9.4)
$50,000 - $74,999	19.7	(17.0-22.8)	17.9	(15.3-20.9)	4.8	(3.6-6.3)
$75,000 +	14.5	(12.6-16.6)	13.6	(11.7-15.6)	2.9	(2.1-4.0)

[a] Among all adults, the proportion who reported being limited in any activities because of physical, mental, or emotional problems, or reported that they required use of special equipment (such as a cane, a wheelchair, a special bed, or a special telephone) due to a health problem. (N = 8,845)
[b] Among all adults, the proportion who reported being limited in any activities because of physical, mental, or emotional problems. (N = 8,840)
[c] Among all adults, the proportion who reported that they required use of special equipment (such as a can, a wheelchair, a special bed, or a special telephone) due to a health problem. (N = 8,859)

Table 7: Weight Status
2010 Michigan BRFS

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

Note: BMI, body mass index, is defined as weight (in kilograms) divided by height (in meters) squared [weight in kg/(height in meters)^2]. Weight and height were self-reported. Pregnant women were excluded. (N = 8,559)
[a] Among all adults, the proportion of respondents whose BMI was greater than or equal to 30.0.
[b] Among all adults, the proportion of respondents whose BMI was greater than or equal to 25.0, but less than 30.0.
[c] Among all adults, the proportion of respondents whose BMI was less than 25.0.

Table 8: Health Care Access
2010 Michigan BRFS

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

[a] Among adults aged 18-64 years, the proportion who reported having no health care coverage, including health insurance, prepaid plans such as HMOs, or government plans, such as Medicare. (N = 5,565)
[b] Among all adults, the proportion who reported that they did not have anyone that they thought of as their personal doctor or health care provider. (N = 8,844)
[c] Among all adults, the proportion who reported that in the past 12 months, they could not see a doctor when they needed to due to the cost. (N = 8,847)

Table 9: No Leisure-Time Physical Activity
2010 Michigan BRFS

	No Leisure-Time Physical Activity[a]	
	%	95% Confidence Interval
Total	**23.6**	**(22.4-24.9)**
Age		
18 – 24	19.4	(14.6-25.1)
25 – 34	18.5	(14.8-23.0)
35 – 44	19.7	(16.9-22.8)
45 – 54	23.8	(21.4-26.4)
55 – 64	26.6	(24.5-28.9)
65 – 74	25.5	(23.2-27.9)
75 +	39.6	(36.8-42.5)
Gender		
Male	21.6	(19.7-23.5)
Female	25.6	(24.0-27.2)
Race/Ethnicity		
White non-Hispanic	22.5	(21.2-23.9)
Black non-Hispanic	29.9	(26.0-34.2)
Other non-Hispanic	24.2	(18.1-31.6)
Hispanic	22.3	(14.8-32.2)
Education		
Less than high school	45.6	(39.3-52.0)
High school graduate	31.8	(29.3-34.4)
Some college	23.0	(20.8-25.4)
College graduate	12.8	(11.3-14.5)
Household Income		
< $20,000	37.7	(33.8-41.6)
$20,000 - $34,999	30.5	(27.4-33.7)
$35,000 - $49,999	21.7	(18.9-24.8)
$50,000 - $74,999	18.9	(16.1-22.1)
$75,000 +	13.6	(11.7-15.7)

[a] Among all adults, the proportion who reported not participating in any leisure-time physical activities or exercises such as running, calisthenics, golf, gardening, or walking during the past month. (N = 8,859)

Table 10: Cigarette Smoking
2010 Michigan BRFS

	Current Smoking[a]		Former Smoking[b]		Never Smoked	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	**18.9**	**(17.7-20.2)**	**25.3**	**(24.2-26.5)**	**55.7**	**(54.3-57.2)**
Age						
18 – 24	19.6	(15.2-25.0)	3.7	(1.8-7.2)	76.7	(71.0-81.6)
25 – 34	29.0	(24.2-34.3)	16.6	(12.8-21.2)	54.4	(48.9-59.8)
35 – 44	20.7	(17.9-23.9)	16.4	(13.9-19.2)	62.9	(59.3-66.3)
45 – 54	21.8	(19.6-24.2)	26.2	(23.8-28.7)	52.0	(49.2-54.8)
55 – 64	17.0	(15.2-19.0)	38.0	(35.6-40.4)	45.0	(42.6-47.5)
65 – 74	9.3	(7.8-11.0)	48.9	(46.2-51.7)	41.8	(39.1-44.5)
75 +	6.6	(5.3-8.2)	42.2	(39.4-45.1)	51.2	(48.3-54.1)
Gender						
Male	21.0	(19.0-23.1)	27.7	(25.8-29.6)	51.4	(49.0-53.7)
Female	17.0	(15.6-18.5)	23.1	(21.7-24.6)	29.9	(58.0-61.7)
Race/Ethnicity						
White non-Hispanic	18.1	(16.8-19.4)	26.9	(25.6-28.2)	55.0	(53.4-56.6)
Black non-Hispanic	20.7	(17.2-24.8)	17.2	(14.7-20.1)	62.1	(57.7-66.2)
Other non-Hispanic	22.9	(16.7-30.5)	20.4	(14.7-27.6)	56.7	(48.6-64.4)
Hispanic	23.4	(14.9-34.7)	24.5	(17.2-33.5)	52.1	(41.3-62.7)
Education						
Less than high school	34.7	(28.7-41.2)	26.0	(21.4-31.3)	39.3	(33.0-46.0)
High school graduate	26.4	(23.9-29.1)	27.8	(25.6-30.1)	45.8	(43.0-48.7)
Some college	20.0	(17.9-22.3)	25.5	(23.3-27.7)	54.5	(51.7-57.3)
College graduate	8.4	(6.9-10.1)	22.9	(21.0-24.8)	68.8	(66.5-71.0)
Household Income						
< $20,000	33.8	(30.0-37.9)	22.2	(19.6-25.1)	43.9	(39.9-48.0)
$20,000 - $34,999	25.7	(22.6-29.1)	28.4	(25.6-31.5)	45.8	(42.2-49.5)
$35,000 - $49,999	19.5	(16.2-23.3)	28.6	(25.5-31.9)	51.9	(47.9-55.9)
$50,000 - $74,999	14.0	(11.5-16.9)	27.9	(24.7-31.2)	58.2	(54.4-61.9)
$75,000 +	11.0	(9.3-13.1)	23.8	(21.5-26.2)	65.2	(62.4-67.9)

[a] Among all adults, the proportion who reported that they had ever smoked at least 100 cigarettes (5 packs) in their life and that they smoke cigarettes now, either every day or on some days. (N = 8,840)
[b] Among all adults, the proportion who reported that they had ever smoked at least 100 cigarettes (5 packs) in their life, but they do not smoke cigarettes now. (N = 8,840)

Table 11: Current Smokers Who Attempted to Quit
2010 Michigan BRFS

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

[a] Among current smokers, the proportion who reported that during the past 12 months, they had tried to quit smoking for one day or longer. (N = 1,469)
[b] The denominator in this subgroup was less than 50.

Table 12: Smokeless Tobacco Use
2010 Michigan BRFS

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

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

Table 13: Alcohol Consumption
2010 Michigan BRFS

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

[a] Among all adults, the proportion who reported consuming an average of more than two alcoholic drinks per day for men or more than one per day for women in the previous month. (N = 8,707)
[b] Among all adults, the proportion who reported consuming five or more drinks per occasion (for men) or 4 or more drinks per occasion (for women) at least once in the previous month. (N = 8,762)

Table 14: Mean Number of Binge Drinking Occasions during the Past Month among Binge Drinkers
2010 Michigan BRFS

	Number of Binge Drinking Occasions[a]	
	Mean	**95% Confidence Interval**
Total	**3.7**	**(3.4-4.0)**
Age		
18 – 24	4.1	(3.2-4.9)
25 – 34	3.2	(2.4-4.0)
35 – 44	3.2	(2.7-3.7)
45 – 54	4.0	(3.3-4.7)
55 – 64	4.6	(3.6-5.7)
65 – 74	4.4	(3.0-5.8)
75+	--[b]	---
Gender		
Male	4.2	(3.8-4.7)
Female	2.9	(2.6-3.3)
Race/Ethnicity		
White non-Hispanic	3.7	(3.4-4.0)
Black non-Hispanic	2.7	(2.2-3.2)
Other non-Hispanic	--[b]	---
Hispanic	--[b]	---
Education		
Less than high school	--[b]	---
High school graduate	4.1	(3.5-4.7)
Some college	3.9	(3.3-4.4)
College graduate	3.3	(2.8-3.7)
Household Income		
< $20,000	3.6	(2.7-4.5)
$20,000 - $34,999	4.4	(3.5-5.2)
$35,000 - $49,999	3.6	(2.8-4.4)
$50,000 - $74,999	3.4	(2.8-4.0)
$75,000 +	3.9	(3.3-4.5)

[a] Among adults who binge drank in the past month, the mean number of times during which five or more alcoholic beverages (for men) or four or more (for women) were consumed during the past month. (N = 973)
[b] The denominator in this subgroup was less than 50.

Table 15: Drove Motor Vehicle After Drinking
2010 Michigan BRFS

	Drove Motor Vehicle After Driving[a]	
	%	95% Confidence Interval
Total	**2.3**	**(1.9-2.9)**
Age		
18 – 24	3.0	(1.6-5.7)
25 – 34	4.0	(2.3-7.0)
35 – 44	3.0	(2.0-4.5)
45 – 54	2.0	(1.4-2.9)
55 – 64	2.1	(1.4-2.9)
65 – 74	0.6	(0.3-1.1)
75 +	0.1	(0.0-0.4)
Gender		
Male	3.5	(2.7-4.6)
Female	1.1	(0.8-1.6)
Race/Ethnicity		
White non-Hispanic	2.4	(1.9-3.0)
Black non-Hispanic	2.2	(1.2-3.9)
Other non-Hispanic	1.3	(0.4-4.6)
Hispanic	2.4	(0.4-13.0)
Education		
Less than high school	1.5	(0.5-4.0)
High school graduate	2.1	(1.3-3.3)
Some college	2.7	(1.9-3.9)
College graduate	2.3	(1.6-3.2)
Household Income		
< $20,000	1.1	(0.5-2.5)
$20,000 - $34,999	2.2	(1.3-3.7)
$35,000 - $49,999	2.4	(1.4-3.9)
$50,000 - $74,999	2.8	(1.8-4.3)
$75,000 +	3.3	(2.3-4.8)

[a] Among all adults, the proportion who reported that they had driven when they'd had too much to drink at least once in the previous month. (N = 8,774)

Table 16: Seatbelt Use
2010 Michigan BRFS

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

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

Table 17: Inadequate Sleep
2010 Michigan BRFS

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

[a] Among all adults, the mean number of days during the past 30 days in which the respondent did not get enough rest or sleep. (N = 8,779)
[b] Among all adults, the proportion who reported 14 or more days of poor rest or sleep, during the past 30 days. (N = 8,779)

Table 18: No Routine Checkup in Past Year
2010 Michigan BRFS

	Had No Routine Checkup in Past Year[a]	
	%	95% Confidence Interval
Total	**34.1**	**(32.6-35.7)**
Age		
18 - 24	46.6	(40.4-53.0)
25 - 34	44.6	(39.3-50.1)
35 - 44	43.2	(39.6-46.9)
45 - 54	34.2	(31.5-36.9)
55 - 64	25.0	(22.9-27.2)
65 - 74	16.0	(14.2-18.1)
75 +	13.7	(11.8-15.8)
Gender		
Male	39.6	(37.3-42.1)
Female	28.9	(27.1-30.9)
Race/Ethnicity		
White non-Hispanic	35.5	(33.9-37.2)
Black non-Hispanic	27.3	(23.2-31.9)
Other non-Hispanic	32.6	(25.3-41.0)
Hispanic	30.5	(21.2-41.7)
Education		
Less than high school	33.8	(27.7-40.6)
High school graduate	33.2	(30.5-36.0)
Some college	37.1	(34.2-40.0)
College graduate	32.4	(29.9-35.0)
Household Income		
< $20,000	40.2	(36.1-44.5)
$20,000 - $34,999	34.3	(30.8-37.8)
$35,000 - $49,999	34.7	(30.6-39.1)
$50,000 - $74,999	32.9	(29.3-36.7)
$75,000 +	30.3	(27.6-33.2)

[a] Among all adults, the proportion who reported that they did not have a routine checkup in the past year. (N = 8,796)

Table 19: Clinical Breast Exam Indicators Among Women Aged 20 Years and Older
2010 Michigan BRFS

	Ever Had Clinical Breast Exam[a]		Had Appropriately Timed Clinical Breast Exam[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**93.7**	**(92.4-94.9)**	**69.9**	**(68.2-71.7)**
Age				
20 - 29	80.1	(72.1-86.3)	74.6	(66.3-81.5)
30 - 39	96.5	(93.3-98.1)	88.9	(85.0-91.8)
40 - 49	97.1	(95.1-98.3)	67.3	(63.3-71.1)
50 - 59	96.5	(94.6-97.8)	64.1	(60.8-67.4)
60 - 69	97.5	(96.2-98.3)	69.6	(66.6-72.5)
70 +	91.0	(89.4-92.4)	56.0	(53.1-59.0)
Race/Ethnicity				
White non-Hispanic	94.6	(93.1-95.7)	69.7	(67.8-71.6)
Black non-Hispanic	91.7	(86.9-94.9)	71.9	(66.6-76.6)
Other non-Hispanic	86.3	(75.4-92.8)	67.2	(56.7-76.3)
Hispanic	91.7	(81.1-96.6)	73.7	(61.2-83.2)
Education				
Less than high school	90.3	(86.4-93.1)	60.3	(52.2-67.9)
High school graduate	90.6	(87.9-92.7)	61.7	(58.4-64.8)
Some college	93.8	(90.5-96.0)	69.4	(65.9-72.6)
College graduate	96.9	(95.1-98.0)	79.0	(76.4-81.4)
Household Income				
< $20,000	88.1	(83.1-91.8)	55.7	(50.7-60.7)
$20,000 - $34,999	90.8	(87.4-93.4)	64.7	(60.7-68.6)
$35,000 - $49,999	98.2	(96.2-99.1)	72.0	(67.7-76.0)
$50,000 - $74,999	97.2	(93.1-98.9)	76.6	(72.1-80.7)
$75,000 +	97.4	(95.1-98.6)	81.0	(77.8-83.8)

[a] Among women aged 20 years and older, the proportion who reported ever having a clinical breast exam. (N = 5,280)
[b] Among women aged 20 years and older, the proportion whose last clinical breast exam was within the previous three years for women age 20-39 years and within the previous year for women aged 40 years and older. (N = 5,214)

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

	Ever Had Mammogram[a]		Had Mammogram in Past Year[b]		Had Clinical Breast Exam and Mammogram in Past Year[c]	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	**94.2**	**(93.1-95.2)**	**61.4**	**(59.6-63.2)**	**53.0**	**(51.1-54.8)**
Age						
40 - 49	88.0	(84.9-90.5)	55.4	(51.2-59.5)	50.0	(45.9-54.2)
50 - 59	95.8	(93.9-97.2)	60.8	(57.4-64.1)	53.7	(50.2-57.1)
60 - 69	98.5	(97.5-99.1)	68.3	(65.2-71.3)	60.5	(57.3-63.6)
70 +	97.3	(96.2-98.1)	64.7	(61.9-67.4)	49.3	(46.4-52.3)
Race/Ethnicity						
White non-Hispanic	94.2	(93.0-95.2)	61.0	(59.0-62.9)	52.6	(50.6-54.6)
Black non-Hispanic	94.3	(89.8-96.9)	65.1	(59.7-70.1)	55.5	(50.0-60.9)
Other non-Hispanic	95.8	(90.7-98.2)	61.1	(50.6-70.5)	52.3	(41.8-62.5)
Hispanic	91.4	(73.6-97.6)	59.9	(43.1-74.6)	53.4	(37.4-68.7)
Education						
Less than high school	90.6	(83.1-95.0)	50.0	(42.6-57.3)	35.5	(29.2-42.3)
High school graduate	83.8	(91.7-95.4)	58.5	(55.3-61.6)	48.2	(45.1-51.4)
Some college	94.4	(92.4-95.9)	62.0	(58.6-65.2)	53.2	(49.8-56.5)
College graduate	95.1	(93.0-96.5)	65.7	(62.5-68.9)	60.3	(57.0-63.5)
Household Income						
< $20,000	90.5	(87.0-93.1)	50.1	(45.8-54.3)	39.0	(35.0-43.2)
$20,000 - $34,999	93.5	(90.3-95.6)	57.8	(53.7-61.8)	47.5	(43.5-51.5)
$35,000 - $49,999	94.8	(91.3-96.9)	62.1	(57.3-66.7)	53.0	(48.2-57.8)
$50,000 - $74,999	94.5	(91.2-96.5)	63.5	(58.3-68.4)	57.2	(52.0-62.3)
$75,000 +	95.4	(92.8-97.1)	68.6	(64.5-72.4)	63.5	(59.3-67.4)

Note: Data included diagnostic tests.
[a] Among women aged 40 years and older, the proportion who reported ever having a mammogram. (4,632)
[b] Among women aged 40 years and older, the proportion who reported ever having a mammogram in the past year. (4,599)
[c] Among women aged 40 years and older, the proportion who reported ever having a clinical breast exam and a mammogram in the past year. (4,586)

Table 21: Cervical Cancer Screening
2010 Michigan BRFS

	Ever Had Pap Test[a]		Had Appropriately Timed Pap Test[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**93.6**	**(92.0-95.0)**	**82.4**	**(80.2-84.3)**
Age				
18 - 29	71.4	(63.8-77.9)	68.9	(61.3-75.6)
30 - 39	98.6	(96.1-99.5)	94.0	(90.8-96.2)
40 - 49	99.0	(98.1-99.5)	90.5	(87.5-92.8)
50 - 59	98.6	(96.7-99.4)	87.2	(84.5-89.6)
60 - 69	99.0	(98.2-99.5)	85.8	(82.5-88.5)
70 +	96.2	(95.0-97.1)	58.6	(54.5-62.6)
Race/Ethnicity				
White non-Hispanic	93.8	(91.9-95.3)	81.6	(79.2-83.8)
Black non-Hispanic	97.2	(94.6-98.6)	90.4	(87.2-92.9)
Other non-Hispanic	83.7	(71.4-91.3)	71.6	(58.4-81.9)
Hispanic	94.2	(80.0-98.5)	92.1	(75.9-97.8)
Education				
Less than high school	88.4	(78.9-93.9)	65.9	(54.2-75.9)
High school graduate	91.8	(88.0-94.4)	73.9	(69.2-78.2)
Some college	92.8	(89.5-95.1)	82.9	(79.0-86.3)
College graduate	97.2	(94.7-98.5)	90.7	(88.0-92.9)
Household Income				
< $20,000	93.4	(89.5-96.0)	73.7	(68.0-78.8)
$20,000 - $34,999	93.0	(87.9-96.0)	78.8	(72.8-83.7)
$35,000 - $49,999	93.5	(88.3-96.4)	80.8	(74.8-85.7)
$50,000 - $74,999	94.9	(88.9-97.8)	87.6	(81.4-91.9)
$75,000 +	98.7	(96.2-99.6)	94.4	(91.6-96.3)

Note: Data included diagnostic tests.
[a] Among women aged 18 years and older, the proportion who reported ever having a Pap test. (N = 5,394)
[b] Among women aged 18 years and older, the proportion who reported having a Pap test within the previous three years. (N = 5,394)

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

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

Note: Men who had been diagnosed with prostate cancer were excluded. The prevalence of ever having been diagnosed with prostate cancer among men aged 50 years and older was 4.4% (3.7 - 5.2).
Among men aged 50 years and older (n = 2,275), the proportion who reported…
[a] ever having a digital rectal exam.
[b] having a digital rectal exam in the past year.
[c] ever having a prostate-specific antigen (PSA) test.
[d] having a PSA test in the past year.
[e] The denominator in this subgroup was less than 50.

Table 23: Colorectal Cancer Screening (Blood Stool Test) Among Adults Aged 50 Years and Older
2010 Michigan BRFS

	Ever Had Blood Stool Test[a]		Had Blood Stool Test in Past Two Years[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**44.5**	**(43.0-46.1)**	**19.0**	**(17.8-20.2)**
Age				
50 - 59	33.5	(31.1-36.1)	14.9	(13.1-16.9)
60 - 69	51.5	(49.0-54.1)	21.2	(19.1-23.4)
70 +	53.5	(51.1-55.9)	22.9	(20.9-25.0)
Gender				
Male	44.0	(41.6-46.5)	19.9	(18.0-22.0)
Female	45.0	(43.1-46.9)	18.2	(16.8-19.7)
Race/Ethnicity				
White non-Hispanic	46.3	(44.7-47.9)	18.9	(17.6-20.2)
Black non-Hispanic	39.1	(34.5-43.8)	22.4	(18.4-26.9)
Other non-Hispanic	32.3	(24.3-41.5)	17.4	(11.6-25.3)
Hispanic	28.5	(18.1-41.9)	13.9	(7.6-24.2)
Education				
Less than high school	38.4	(33.2-44.0)	20.9	(16.8-25.6)
High school graduate	41.6	(39.0-44.2)	16.6	(14.8-18.5)
Some college	46.5	(43.7-49.4)	21.0	(18.7-23.5)
College graduate	46.9	(44.2-49.6)	19.2	(17.1-21.5)
Household Income				
< $20,000	39.5	(36.0-43.1)	18.5	(15.9-21.5)
$20,000 - $34,999	45.8	(42.6-49.0)	19.1	(16.7-21.7)
$35,000 - $49,999	47.8	(43.9-51.6)	20.8	(17.8-24.2)
$50,000 - $74,999	45.4	(41.2-49.7)	17.1	(14.2-20.5)
$75,000 +	42.9	(39.5-46.4)	19.2	(16.6-22.1)

[a] Among adults aged 50 years and older, the proportion who reported ever having a blood stool test using a home kit. (N = 6,093)
[b] Among adults aged 50 years and older, the proportion whose reported having a blood stool test within the past two years using a home kit (N = 6,093)

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

	Ever Had a Sigmoidoscopy or Colonoscopy[a]		Had a Sigmoidoscopy or Colonoscopy in Past 5 Years[b]		Had a Sigmoidoscopy in Past 5 Years or Colonoscopy in Past 10 Years[c]	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	**70.9**	**(69.4-72.4)**	**57.4**	**(55.9-59.0)**	**66.4**	**(64.9-67.9)**
Age						
50 - 59	58.5	(55.8-61.2)	48.9	(46.1-51.6)	55.8	(53.0-58.5)
60 - 69	79.8	(77.8-81.8)	64.0	(61.5-66.4)	74.9	(72.6-77.0)
70 +	79.9	(78.0-81.7)	63.3	(60.9-65.6)	73.6	(71.4-75.7)
Gender						
Male	71.8	(69.4-74.1)	59.1	(56.6-61.6)	67.0	(64.5-69.4)
Female	70.1	(68.3-71.9)	56.0	(54.1-57.9)	65.9	(64.0-67.7)
Race/Ethnicity						
White non-Hispanic	71.8	(70.2-73.3)	58.0	(56.4-59.7)	67.4	(65.8-69.0)
Black non-Hispanic	69.3	(64.7-73.6)	59.1	(54.2-63.8)	65.2	(60.5-69.7)
Other non-Hispanic	62.9	(53.0-71.8)	47.1	(37.5-56.9)	53.0	(43.1-62.6)
Hispanic	91.3	(42.8-77.0)	51.3	(35.2-67.2)	59.2	(40.8-75.3)
Education						
Less than high school	62.7	(57.1-67.9)	48.8	(43.2-54.4)	55.2	(49.4-60.9)
High school graduate	64.8	(62.0-67.5)	50.8	(48.1-53.5)	60.3	(57.5-63.0)
Some college	72.1	(69.3-74.6)	60.3	(57.5-63.1)	68.3	(65.5-70.9)
College graduate	77.5	(75.0-79.8)	63.0	(60.3-65.7)	72.7	(70.1-75.1)
Household Income						
< $20,000	61.5	(57.9-65.1)	47.8	(44.2-51.5)	54.3	(50.6-58.0)
$20,000 - $34,999	69.0	(65.8-72.1)	54.5	(51.2-57.7)	63.9	(60.6-67.1)
$35,000 - $49,999	72.1	(68.3-75.6)	59.3	(55.4-63.1)	69.1	(65.2-72.7)
$50,000 - $74,999	75.4	(71.1-79.3)	61.2	(56.8-65.5)	70.7	(66.3-74.8)
$75,000 +	73.7	(70.3-76.8)	62.0	(58.5-65.4)	70.9	(67.4-74.1)

[a] Among adults aged 50 years and older, the proportion who reported ever having a sigmoidoscopy or colonoscopy. (6,091)
[b] Among adults aged 50 years and older, the proportion who reported having a sigmoidoscopy or colonoscopy in the past five years. (6,037)
[c] Among adults aged 50 years and older, the proportion who reported having a sigmoidoscopy in the past five years or a colonoscopy in the past ten years. (5,948)

Table 25: Oral Health
2010 Michigan BRFS

	No Dental Visit in Past Year[a]		No Teeth Cleaning in Past Year[b]		6+ Teeth Missing	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	**27.5**	**(26.2-28.9)**	**29.2**	**(27.7-30.7)**	**13.8**	**(13.0-14.6)**
Age						
18 - 24	28.6	(23.3-34.7)	31.8	(26.2-37.9)	0.0	---
25 - 34	37.2	(32.2-42.5)	40.9	(35.7-46.2)	2.1	(1.1-3.9)
35 - 44	27.2	(24.0-30.8)	30.7	(27.3-34.4)	6.6	(4.8-9.1)
45 - 54	27.3	(24.8-29.9)	29.6	(27.0-32.3)	12.8	(11.1-14.7)
55 - 64	23.8	(21.8-25.9)	23.8	(21.7-26.0)	20.5	(18.6-22.6)
65 - 74	22.0	(19.9-24.3)	17.7	(15.6-19.9)	32.2	(29.7-34.8)
75 +	27.3	(24.8-29.9)	24.9	(22.2-27.8)	41.1	(38.2-44.0)
Gender						
Male	29.5	(27.4-31.7)	31.1	(28.9-33.5)	12.7	(11.5-14.1)
Female	25.7	(23.9-27.5)	27.3	(25.5-29.2)	14.8	(13.8-15.8)
Race/Ethnicity						
White non-Hispanic	24.9	(23.4-26.3)	26.0	(24.5-27.6)	13.3	(12.5-14.2)
Black non-Hispanic	37.7	(33.5-42.1)	41.8	(37.3-46.5)	19.6	(16.8-22.9)
Other non-Hispanic	34.3	(27.2-42.2)	39.1	(31.5-47.3)	8.1	(5.8-11.2)
Hispanic	36.5	(26.8-47.4)	36.0	(26.0-47.3)	13.3	(7.9-21.7)
Education						
Less than high school	50.1	(43.7-56.5)	53.8	(46.6-60.8)	34.0	(29.0-39.4)
High school graduate	34.9	(32.3-37.7)	37.0	(34.2-40.0)	20.3	(18.5-22.2)
Some college	28.7	(26.2-31.3)	30.4	(27.8-33.2)	13.1	(11.6-14.7)
College graduate	15.8	(13.9-17.8)	17.5	(15.5-19.7)	5.0	(4.3-5.9)
Household Income						
< $20,000	55.5	(51.4-59.5)	61.7	(57.4-65.8)	29.3	(26.2-32.6)
$20,000 - $34,999	39.0	(35.5-42.6)	40.9	(37.2-44.8)	21.2	(19.0-23.6)
$35,000 - $49,999	24.6	(21.2-28.3)	26.7	(23.1-30.6)	15.0	(12.4-18.1)
$50,000 - $74,999	18.5	(15.4-22.0)	20.4	(17.1-24.1)	7.6	(6.2-9.3)
$75,000 +	12.0	(10.1-14.1)	12.7	(10.8-14.9)	3.0	(2.4-3.8)

[a] Among all adults, the proportion who reported that they had not visited a dentist or dental clinic for any reason in the previous year. (N = 8,839)
[b] Among all adults, the proportion who reported that they did not have their teeth cleaned by a dentist or dental hygienist in the previous year. (N = 8,169)
[c] Among all adults, the proportion who reported that they were missing 6+ teeth due to tooth decay or gum disease. This excludes teeth lost for other reasons, such as injury or orthodontics. (N = 8,706)

Table 26: Immunizations among Adults Aged 65 Years and Older
2010 Michigan BRFS

	Had Flu Vaccine in Past Year[a]		Ever Had Pneumonia Vaccine[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**67.5**	**(65.6-69.3)**	**67.8**	**(35.8-69.6)**
Age				
65 - 74	63.7	(61.0-66.2)	60.5	(57.8-63.2)
75 +	72.0	(69.3-74.5)	76.0	(73.4-78.4)
Gender				
Male	67.6	(64.5-70.6)	63.7	(60.4-66.8)
Female	67.4	(65.1-69.7)	70.7	(68.4-72.9)
Race/Ethnicity				
White non-Hispanic	69.3	(67.3-71.3)	68.8	(66.7-70.8)
Black non-Hispanic	54.8	(48.5-60.8)	56.2	(49.7-62.4)
Other non-Hispanic	63.8	(50.5-75.4)	75.1	(62.4-84.6)
Hispanic	--[c]	---	--[c]	---
Education				
Less than high school	58.0	(51.8-64.0)	62.6	(56.5-68.3)
High school graduate	68.8	(65.8-71.7)	69.8	(66.8-72.7)
Some college	65.0	(61.0-68.7)	67.8	(63.7-71.5)
College graduate	71.4	(67.8-74.8)	66.7	(62.8-70.3)
Household Income				
< $20,000	64.5	(60.2-68.7)	67.4	(63.0-71.5)
$20,000 - $34,999	65.9	(62.2-69.3)	68.1	(64.4-71.6)
$35,000 - $49,999	66.6	(61.7-71.3)	69.9	(65.0-74.3)
$50,000 - $74,999	73.8	(68.0-78.9)	72.6	(66.6-77.8)
$75,000 +	71.5	(65.3-77.1)	59.4	(52.7-65.8)

[a] Among adults aged 65 years and older, the proportion who reported that they had a flu vaccine, either by an injection in the arm or sprayed in the nose during the past 12 months. (N = 3,139)
[b] Among adults aged 65 years and older, the proportion who reported that they ever had a pneumococcal vaccine. (N = 3,058)
[c] The denominator in this subgroup was less than 50.

Table 27: HIV Testing among Adults Aged 18 - 64 Years
2010 Michigan BRFS

	Ever Had an HIV Test[a]	
	%	95% Confidence Interval
Total	**38.0**	**(36.3-39.8)**
Age		
18 – 24	25.4	(20.4-31.2)
25 – 34	53.9	(48.5-59.2)
35 – 44	53.0	(49.2-56.7)
45 – 54	33.9	(31.2-36.7)
55 – 64	20.4	(18.5-22.5)
Gender		
Male	34.1	(31.5-36.7)
Female	42.0	(39.6-44.3)
Race/Ethnicity		
White non-Hispanic	33.2	(31.4-35.1)
Black non-Hispanic	64.4	(59.4-69.1)
Other non-Hispanic	40.7	(32.7-49.3)
Hispanic	49.6	(37.5-61.7)
Education		
Less than high school	34.8	(27.1-43.4)
High school graduate	35.1	(31.8-38.6)
Some college	39.7	(36.5-43.0)
College graduate	39.4	(36.6-42.2)
Household Income		
< $20,000	48.4	(43.4-53.5)
$20,000 - $34,999	38.2	(33.8-42.9)
$35,000 - $49,999	37.3	(32.6-42.4)
$50,000 - $74,999	34.5	(30.5-38.8)
$75,000 +	38.6	(35.5-41.8)

[a] Among adults aged 18 - 64 years, the proportion who reported that they ever had been tested for HIV, apart from tests that were part of a blood donation. Don't know was considered a valid response to this question. (N = 5,406)

Table 28: Asthma among Adults
2010 Michigan BRFS

	Lifetime Asthma Prevalence[a]		Current Asthma Prevalence[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**15.8**	**(14.6-16.9)**	**10.5**	**(9.6-11.4)**
Age				
18 - 24	20.9	(16.2-26.5)	12.6	(9.0-17.4)
25 - 34	17.8	(14.1-22.1)	11.5	(8.8-14.9)
35 - 44	17.7	(15.0-20.7)	11.4	(9.3-13.9)
45 - 54	13.0	(11.2-15.0)	9.3	(7.8-11.0)
55 - 64	14.3	(12.7-16.1)	9.4	(8.0-10.8)
65 - 74	13.2	(11.4-15.1)	9.5	(8.0-11.3)
75 +	12.1	(10.4-14.1)	9.0	(7.5-10.8)
Gender				
Male	13.6	(12.0-15.4)	8.2	(7.0-9.6)
Female	17.8	(16.3-19.4)	12.6	(11.3-14.0)
Race/Ethnicity				
White non-Hispanic	14.9	(13.7-16.2)	10.0	(9.0-11.0)
Black non-Hispanic	19.8	(16.2-24.0)	11.1	(8.7-14.1)
Other non-Hispanic	18.5	(13.5-24.8)	14.3	(9.9-20.3)
Hispanic	15.5	(9.1-25.3)	10.8	(5.5-20.3)
Education				
Less than high school	19.6	(15.1-25.1)	15.2	(11.2-20.4)
High school graduate	15.4	(13.3-17.7)	9.6	(8.0-11.4)
Some college	17.5	(15.4-19.9)	11.2	(9.6-13.1)
College graduate	13.7	(12.1-15.5)	9.6	(8.2-11.2)
Household Income				
< $20,000	21.6	(18.3-25.1)	17.0	(14.1-20.4)
$20,000 - $34,999	17.4	(14.7-20.4)	11.9	(9.7-14.4)
$35,000 - $49,999	15.4	(12.5-18.9)	10.0	(7.9-12.5)
$50,000 - $74,999	14.0	(11.3-17.2)	9.1	(6.9-12.0)
$75,000 +	12.8	(10.9-15.0)	7.3	(6.0-8.8)

[a] Among all adults, the proportion who reported that they were ever told by a doctor, nurse, or other health care professional that they had asthma. (N = 8,846)
[b] Among all adults, the proportion who reported that they still had asthma. (N = 8,821)

Table 29: Asthma among Children
2010 Michigan BRFS

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

[a] Estimated proportion of Michigan children aged 0-17 years ever diagnosed with asthma, using proxy information from respondent. (N = 2,015).
[b] Estimated proportion of Michigan children aged 0-17 years with current asthma. (N = 2,009)

Table 30: Arthritis
2010 Michigan BRFS

	Ever Told Arthritis[a]	
	%	95% Confidence Interval
Total	**31.9**	**(30.4-33.5)**
Age		
18 - 34	8.5	(6.0-11.9)
35 - 44	18.1	(14.9-21.8)
45 - 54	34.7	(31.5-38.2)
55 - 64	49.2	(46.1-52.2)
65 - 75	62.3	(59.0-65.5)
75 +	64.5	(60.9-67.9)
Gender		
Male	27.2	(24.9-29.7)
Female	36.3	(34.3-38.3)
Race/Ethnicity		
White/Non-Hispanic	33.6	(31.9-35.3)
Black/Non-Hispanic	28.6	(24.2-33.4)
Other/Non-Hispanic	24.6	(17.2-33.9)
Hispanic	16.5	(10.0-26.1)
Education		
Less than high school	37.9	(31.2-45.0)
High school graduate	35.8	(32.8-38.8)
Some college	32.4	(29.5-35.4)
College graduate	27.0	(24.5-29.6)
Household Income		
< $20,000	36.0	(32.0-40.3)
$20,000 - $34,999	37.9	(34.2-41.9)
$35,000 - $49,999	39.0	(34.2-44.1)
$50,000 - $74,999	28.8	(25.2-32.8)
$75,000 +	24.2	(21.5-27.1)

[a] Among all adults, the proportion who reported ever being told by a health care professional that they had some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia. (N = 5,821)

Table 31: Cardiovascular Disease
2010 Michigan BRFS

	Ever Told Heart Attack[a]		Had Told Angina or Coronary Heart Disease[b]		Ever Told Stroke[c]		Ever Told Any Cardiovascular Disease[d]	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	**4.9**	**(4.4-5.4)**	**5.3**	**(4.8-5.8)**	**2.9**	**(2.6-3.3)**	**9.6**	**(9.0-10.3)**
Age								
18 - 34	0.2	(0.0-0.8)	0.3	(0.1-0.9)	0.6	(0.2-1.6)	1.0	(0.5-2.1)
35 - 44	1.1	(0.6-2.2)	1.2	(0.6-2.3)	1.0	(0.5-2.1)	2.8	(1.8-4.3)
45 - 54	3.5	(2.5-4.8)	4.1	(2.9-5.7)	2.0	(1.4-2.9)	7.1	(5.6-8.9)
55 - 64	8.3	(7.0-9.8)	7.9	(6.6-9.4)	3.2	(2.5-4.2)	14.1	(12.4-15.9)
65 - 74	12.1	(10.4-14.0)	14.4	(12.6-16.5)	7.2	(5.9-8.7)	24.4	(22.1-26.8)
75 +	17.7	(15.6-20.1)	19.5	(17.2-22.0)	11.6	(9.9-13.6)	34.8	(32.0-37.7)
Gender								
Male	6.3	(5.5-7.1)	6.2	(5.4-7.2)	2.8	(2.2-3.4)	11.0	(9.9-12.2)
Female	3.6	(3.1-4.1)	4.4	(3.9-5.0)	3.0	(2.6-3.5)	8.3	(7.5-9.0)
Race/Ethnicity								
White non-Hispanic	4.8	(4.3-5.3)	5.3	(4.8-5.8)	2.7	(2.4-3.1)	9.4	(8.8-10.2)
Black non-Hispanic	5.5	(4.2-7.2)	4.0	(3.0-5.3)	3.6	(2.6-5.0)	9.4	(7.6-11.5)
Other non-Hispanic	6.0	(3.7-9.5)	6.7	(4.1-10.7)	4.1	(2.3-7.5)	11.8	(8.3-16.7)
Hispanic	1.8	(0.9-3.7)	6.4	(2.8-14.0)	1.7	(0.8-3.6)	8.3	(4.2-15.7)
Education								
< High school	11.1	(8.5-14.4)	8.6	(6.4-11.5)	6.5	(4.7-8.9)	17.9	(14.5-21.8)
High school graduate	6.3	(5.4-7.3)	6.5	(5.5-7.6)	3.3	(2.6-4.1)	12.0	(10.7-13.5)
Some college	4.4	(3.7-5.3)	5.2	(4.4-6.2)	3.1	(2.5-3.9)	9.6	(8.5-10.9)
College graduate	2.9	(2.3-3.7)	3.7	(3.0-4.6)	1.7	(1.3-2.3)	6.0	(5.1-7.0)
Household Income								
< $20,000	8.9	(7.4-10.7)	8.3	(6.9-9.9)	6.5	(5.1-8.2)	17.1	(14.8-19.6)
$20,000 - $34,999	7.2	(6.0-8.5)	8.2	(6.9-9.8)	4.0	(3.2-5.1)	13.9	(12.2-15.9)
$35,000 - $49,999	5.8	(4.6-7.2)	5.1	(4.0-6.4)	3.1	(2.1-4.4)	10.5	(8.8-12.5)
$50,000 - $74,999	2.4	(1.7-3.4)	4.1	(2.8-5.9)	1.7	(1.0-2.7)	6.7	(5.1-8.7)
$75,000 +	2.4	(1.7-3.3)	3.1	(2.3-4.0)	0.8	(0.5-1.2)	4.3	(3.5-5.4)

Among all adults, the proportion who had ever been told by a doctor that…
[a] they had a heart attack or myocardial infarction (N = 8,804);
[b] they had angina or coronary heart disease (N = 8,748);
[c] they had a stroke. (N = 8,832)
[d] they had a heart attack, coronary heart disease or a stroke. (N = 8,832)

Table 32: Diabetes
2010 Michigan BRFS

	Ever Told Diabetes[a]	
	%	95% Confidence Interval
Total	**10.1**	**(9.4-10.9)**
Age		
18 – 24	0.7	(0.2-2.2)
25 – 34	3.9	(2.0-7.6)
35 – 44	5.8	(4.2-7.9)
45 – 54	9.8	(8.3-11.6)
55 – 64	16.6	(14.8-18.5)
65 – 74	21.5	(19.3-23.8)
75 +	20.8	(18.5-23.4)
Gender		
Male	11.4	(10.1-12.7)
Female	9.0	(8.1-9.9)
Race/Ethnicity		
White non-Hispanic	9.2	(8.4-10.0)
Black non-Hispanic	15.9	(13.3-19.0)
Other non-Hispanic	11.3	(7.8-16.0)
Hispanic	9.2	(5.5-15.2)
Education		
Less than high school	11.2	(8.8-14.3)
High school graduate	13.0	(11.5-14.6)
Some college	10.8	(9.3-12.5)
College graduate	6.8	(5.9-7.9)
Household Income		
< $20,000	15.3	(12.9-17.9)
$20,000 - $34,999	12.9	(11.1-15.0)
$35,000 - $49,999	10.8	(9.1-12.8)
$50,000 - $74,999	8.5	(6.9-10.4)
$75,000 +	6.2	(4.8-7.9)

[a] Among all adults, the proportion who reported that they were ever told by a doctor that they have diabetes. Adults who had been told they have prediabetes and women who had diabetes only during pregnancy were classified as not having been diagnosed. (N = 8,856)

Table 33: Major Depression
2010 Michigan BRFS

	Current Major Depression[a]	
	%	95% Confidence Interval
Total	**9.6**	**(8.5-10.9)**
Age		
18 – 24	13.4	(8.9-19.8)
25 – 34	12.6	(8.2-18.9)
35 – 44	10.6	(8.3-13.5)
45 – 54	9.4	(7.7-11.6)
55 – 64	9.1	(7.4-11.0)
65 – 74	3.6	(2.6-5.0)
75 +	4.2	(2.9-6.2)
Gender		
Male	8.3	(6.5-10.4)
Female	10.9	(9.5-12.6)
Race/Ethnicity		
White non-Hispanic	8.9	(7.7-10.2)
Black non-Hispanic	10.9	(7.9-15.0)
Other non-Hispanic	15.1	(8.2-26.1)
Hispanic	14.0	(6.9-26.3)
Education		
Less than high school	20.6	(14.6-28.2)
High school graduate	10.2	(8.0-12.8)
Some college	12.0	(9.8-14.5)
College graduate	5.4	(3.8-7.5)
Household Income		
< $20,000	19.6	(16.0-23.6)
$20,000 - $34,999	14.7	(11.8-18.3)
$35,000 - $49,999	11.4	(7.4-17.2)
$50,000 - $74,999	6.7	(4.5-9.8)
$75,000 +	4.0	(2.7-6.0)

[a] Calculated from responses to Q.1-8 of the CDC BRFSS Anxiety and Depression optional module. Responses in number of days were converted to points (0-1 days = 0 points, 2-6 days = 1 point, 7-11 days = 2 points, 12-14 days = 3 points). Points were summed across the eight questions and a total of 10 points or greater was classified as major depression. (N = 5,353)

Table 34: Falls Among Adults Aged 45 Years and Older
2010 Michigan BRFS

	Fell During the Past Three Months[a]		Injured From a Fall During the Past Three Months[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**16.9**	**(15.9-18.1)**	**5.4**	**(4.8-6.1)**
Age				
45 - 54	18.0	(15.9-20.3)	6.1	(4.9-7.6)
55 - 64	16.4	(14.7-18.2)	5.2	(4.3-6.3)
65 - 74	14.6	(12.8-16.6)	4.2	(3.3-5.4)
75 +	18.2	(16.0-20.6)	5.5	(4.4-7.0)
Gender				
Male	15.8	(14.2-17.6)	4.0	(3.2-5.0)
Female	17.9	(16.6-19.4)	6.6	(5.8-7.6)
Race/Ethnicity				
White non-Hispanic	16.8	(15.7-18.0)	5.4	(4.7-6.1)
Black non-Hispanic	17.3	(13.8-21.4)	5.4	(3.9-7.6)
Other non-Hispanic	15.8	(10.7-22.6)	4.8	(2.7-8.3)
Hispanic	18.3	(10.3-30.3)	7.3	(2.8-17.7)
Respondent Education				
Less than high school	19.8	(15.9-24.4)	8.4	(5.8-12.1)
High school graduate	18.1	(16.1-20.2)	5.9	(4.8-7.2)
Some college	16.6	(14.8-18.6)	5.8	(4.7-7.1)
College graduate	15.5	(13.8-17.4)	4.1	(3.2-5.2)
Household Income				
< $20,000	24.5	(21.2-28.1)	10.8	(8.6-13.5)
$20,000 - $34,999	17.5	(15.4-19.9)	5.8	(4.6-7.4)
$35,000 - $49,999	15.4	(13.9-19.3)	4.6	(3.4-6.2)
$50,000 - $74,999	15.4	(12.8-18.5)	5.1	(3.6-7.0)
$75,000 +	13.7	(11.7-15.9)	3.2	(2.3-4.5)

[a] Among adults aged 45 years and older, the proportion who reported to have unintentionally come to rest on the ground or another lower level during the past three months. (N = 6,970)
[b] Among adults aged 45 years and older, the proportion who reported to have been injured due to a fall during the past three months. (N = 6.967)