

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

Selected Tables

**Behavioral Risk Factor Survey
2007**

Division of Genomics, Perinatal Health, and Chronic Disease Epidemiology
Bureau of Epidemiology
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Introduction

The Michigan Behavioral Risk Factor Survey (BRFS) is an annual, statewide telephone survey of Michigan adults aged 18 years and older that is conducted through a collaborative effort among the 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 2007 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.

The total sample size of completed interviews was 7,505. This included three splits of state-added questions with sample sizes of 3,026, 3,016, and 1,463, respectively.

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

Table 1: General Health Status 2007 Michigan BRFSS		
Demographic Characteristics	General Health, Fair or Poor^a	
	%	95% Confidence Interval
Total	14.8	(13.8 - 15.8)
Age		
18 – 24	8.3	(5.2 - 13.1)
25 – 34	8.5	(6.3 - 11.3)
35 – 44	11.2	(9.1 - 13.5)
45 – 54	13.6	(11.7 - 15.7)
55 – 64	19.5	(17.4 - 21.8)
65 – 74	23.0	(20.2 - 26.0)
75 +	31.2	(28.1 - 34.4)
Gender		
Male	14.3	(12.7 - 16.1)
Female	15.2	(14.1 - 16.5)
Race/Ethnicity		
White non-Hispanic	13.0	(12.0 - 14.0)
Black non-Hispanic	23.4	(20.2 - 27.0)
Other non-Hispanic	17.3	(13.2 - 22.4)
Hispanic	16.4	(7.9 - 30.9)
Education		
Less than high school	26.9	(22.4 - 31.8)
High school graduate	19.7	(17.7 - 22.0)
Some college	14.6	(12.9 - 16.5)
College graduate	6.9	(5.8 - 8.3)
Household Income		
< \$20,000	30.6	(27.2 - 34.2)
\$20,000 - \$34,999	21.7	(18.7 - 25.0)
\$35,000 - \$49,999	13.1	(10.7 - 15.8)
\$50,000 - \$74,999	7.9	(6.2 - 10.1)
\$75,000 +	5.5	(4.4 - 6.9)
^a The proportion who reported that their health, in general, was either fair or poor.		

**Table 2: Health Status on at Least 14 Days in the Past Month
2007 Michigan BRFSS**

Demographic Characteristics	Poor Physical Health ^a		Poor Mental Health ^b		Activity Limitation ^c	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	11.1	(10.3 - 12.1)	11.0	(10.1 - 12.0)	7.1	(6.4 - 7.9)
Age						
18 – 24	5.4	(3.2 - 8.8)	11.8	(8.4 - 16.3)	5.2	(3.1 - 8.6)
25 – 34	8.2	(5.9 - 11.3)	12.8	(10.0 - 16.1)	4.7	(3.1 - 7.0)
35 – 44	9.0	(7.2 - 11.3)	13.1	(11.0 - 15.5)	7.0	(5.4 - 9.0)
45 – 54	10.9	(9.2 - 12.8)	11.9	(10.2 - 13.9)	7.6	(6.3 - 9.2)
55 – 64	14.7	(12.8 - 16.9)	9.2	(7.7 - 10.9)	9.1	(7.6 - 10.9)
65 – 74	15.3	(13.0 - 18.0)	7.1	(5.6 - 9.0)	8.0	(6.3 - 10.1)
75 +	20.7	(18.0 - 23.7)	5.9	(4.5 - 7.6)	9.4	(7.5 - 11.6)
Gender						
Male	9.5	(8.3 - 11.0)	9.1	(7.7 - 10.6)	5.9	(4.8 - 7.1)
Female	12.6	(11.5 - 13.8)	12.8	(11.6 - 14.1)	8.3	(7.4 - 9.3)
Race/Ethnicity						
White non-Hispanic	10.5	(9.6 - 11.5)	10.7	(9.7 - 11.8)	6.8	(6.0 - 7.7)
Black non-Hispanic	13.2	(10.7 - 16.2)	13.2	(10.5 - 16.6)	9.3	(7.3 - 11.7)
Other non-Hispanic	14.2	(10.2 - 19.3)	9.9	(6.6 - 14.8)	9.4	(6.1 - 14.1)
Hispanic	11.6	(5.6 - 22.4)	9.0	(4.3 - 17.9)	1.5	(0.6 - 4.0)
Education						
Less than high school	20.4	(16.2 - 25.2)	18.4	(14.3 - 23.3)	14.6	(11.1 - 19.0)
High school graduate	13.8	(12.1 - 15.7)	12.6	(10.8 - 14.6)	9.1	(7.6 - 10.7)
Some college	11.4	(9.9 - 13.1)	13.0	(11.2 - 14.9)	7.4	(6.2 - 8.8)
College graduate	6.2	(5.2 - 7.5)	6.0	(4.9 - 7.2)	3.3	(2.6 - 4.1)
Household Income						
< \$20,000	23.4	(20.3 - 26.9)	19.7	(16.6 - 23.3)	19.2	(16.3 - 22.4)
\$20,000 - \$34,999	13.9	(11.6 - 16.5)	13.3	(10.9 - 16.1)	8.9	(7.0 - 11.1)
\$35,000 - \$49,999	9.2	(7.2 - 11.7)	11.8	(9.5 - 14.5)	5.9	(4.3 - 8.0)
\$50,000 - \$74,999	7.2	(5.6 - 9.2)	8.7	(6.8 - 11.1)	3.6	(2.6 - 5.0)
\$75,000 +	5.5	(4.3 - 7.0)	6.2	(4.9 - 7.8)	2.4	(1.7 - 3.6)

^a The proportion who reported 14 or more days of poor physical health, which includes physical illness and injury, during the past 30 days.

^b 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.

^c 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.

**Table 3: Mean Number of Days of Poor Physical Health, Poor Mental Health, and Activity Limitations
2007 Michigan BRFSS**

Demographic Characteristics	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 - 3.9)	3.7	(3.4 - 3.9)	2.3	(2.1 - 2.5)
Age						
18 - 24	2.3	(1.6 - 3.0)	4.1	(3.3 - 4.9)	2.1	(1.4 - 2.7)
25 - 34	2.7	(2.0 - 3.3)	4.3	(3.5 - 5.1)	1.7	(1.2 - 2.2)
35 - 44	3.0	(2.5 - 3.5)	4.3	(3.7 - 4.8)	2.2	(1.8 - 2.7)
45 - 54	3.6	(3.2 - 4.1)	4.0	(3.6 - 4.4)	2.5	(2.1 - 2.8)
55 - 64	4.6	(4.1 - 5.1)	3.2	(2.7 - 3.6)	2.8	(2.3 - 3.2)
65 - 74	5.0	(4.3 - 5.7)	2.2	(1.8 - 2.6)	2.4	(1.9 - 3.0)
75 +	6.1	(5.4 - 6.9)	1.9	(1.5 - 2.4)	2.6	(2.1 - 3.1)
Gender						
Male	3.2	(2.8 - 3.5)	3.1	(2.7 - 3.4)	2.0	(1.7 - 2.3)
Female	4.1	(3.8 - 4.4)	4.2	(3.9 - 4.5)	2.5	(2.3 - 2.8)
Race/Ethnicity						
White non-Hispanic	3.5	(3.3 - 3.7)	3.6	(3.3 - 3.8)	2.2	(2.0 - 2.4)
Black non-Hispanic	4.3	(3.6 - 5.0)	4.4	(3.6 - 5.2)	3.0	(2.4 - 3.6)
Other non-Hispanic	4.3	(3.1 - 5.4)	3.5	(2.5 - 4.5)	2.8	(1.8 - 3.9)
Hispanic	3.4	(1.8 - 5.0)	3.8	(1.9 - 5.6)	1.7	(0.8 - 2.7)
Education						
Less than high school	6.1	(4.9 - 7.3)	5.6	(4.6 - 6.7)	4.1	(3.1 - 5.0)
High school graduate	4.3	(3.8 - 4.7)	3.9	(3.4 - 4.3)	2.8	(2.4 - 3.2)
Some college	3.7	(3.3 - 4.1)	4.5	(4.0 - 4.9)	2.5	(2.1 - 2.8)
College graduate	2.4	(2.1 - 2.7)	2.3	(2.0 - 2.6)	1.2	(1.0 - 1.4)
Household Income						
< \$20,000	7.0	(6.2 - 7.8)	6.4	(5.6 - 7.2)	5.6	(4.8 - 6.3)
\$20,000 - \$34,999	4.5	(3.9 - 5.2)	4.3	(3.7 - 5.0)	2.8	(2.3 - 3.3)
\$35,000 - \$49,999	3.2	(2.7 - 3.7)	3.7	(3.1 - 4.3)	2.0	(1.5 - 2.4)
\$50,000 - \$74,999	2.5	(2.1 - 3.0)	3.0	(2.5 - 3.5)	1.4	(1.1 - 1.7)
\$75,000 +	2.1	(1.8 - 2.5)	2.4	(2.1 - 2.8)	1.0	(0.8 - 1.3)

^a The mean number of days during the past 30 days in which physical health, including illness and injury, was not good.

^b The mean number of days during the past 30 days in which mental health, including stress, depression, and problems with emotions, was not good.

^c 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.

Table 4: Life Satisfaction 2007 Michigan BRFSS		
Demographic Characteristics	Dissatisfied or Very Dissatisfied With Life^a	
	%	95% Confidence Interval
Total	6.6	(5.9 - 7.4)
Age		
18 – 24	6.9	(4.4 - 10.6)
25 – 34	8.2	(6.0 - 11.1)
35 – 44	7.2	(5.6 - 9.1)
45 – 54	6.7	(5.4 - 8.2)
55 – 64	5.8	(4.7 - 7.2)
65 – 74	4.4	(3.2 - 6.0)
75 +	5.2	(3.8 - 7.0)
Gender		
Male	6.8	(5.6 - 8.1)
Female	6.5	(5.7 - 7.4)
Race/Ethnicity		
White non-Hispanic	6.0	(5.2 - 6.8)
Black non-Hispanic	11.0	(8.6 - 13.9)
Other non-Hispanic	8.3	(5.2 - 13.3)
Hispanic	3.3	(1.5 - 7.3)
Education		
Less than high school	8.9	(6.1 - 12.8)
High school graduate	7.8	(6.4 - 9.4)
Some college	8.8	(7.3 - 10.5)
College graduate	3.0	(2.3 - 3.8)
Household Income		
< \$20,000	19.2	(16.1 - 22.7)
\$20,000 - \$34,999	6.9	(5.2 - 9.1)
\$35,000 - \$49,999	6.7	(4.9 - 9.0)
\$50,000 - \$74,999	4.9	(3.3 - 7.1)
\$75,000 +	1.9	(1.2 - 2.9)

^a The proportion who reported either “Dissatisfied” or “Very Dissatisfied” to the following question: “In general, how satisfied are you with your life?”

Table 5: Social and Emotional Support 2007 Michigan BRFSS		
Demographic Characteristics	Rarely or Never Receive the Social and Emotional Support that is Needed^a	
	%	95% Confidence Interval
Total	6.4	(5.8 - 7.2)
Age		
18 – 24	3.7	(2.0 - 6.8)
25 – 34	6.3	(4.4 - 9.1)
35 – 44	6.9	(5.5 - 8.7)
45 – 54	5.6	(4.4 - 7.0)
55 – 64	7.3	(6.0 - 8.9)
65 – 74	6.6	(4.9 - 9.0)
75 +	9.5	(7.7 - 11.8)
Gender		
Male	7.5	(6.4 - 8.9)
Female	5.4	(4.7 - 6.2)
Race/Ethnicity		
White non-Hispanic	5.9	(5.2 - 6.7)
Black non-Hispanic	8.8	(6.9 - 11.1)
Other non-Hispanic	8.9	(5.7 - 13.8)
Hispanic	4.8	(2.2 - 10.4)
Education		
Less than high school	11.1	(8.3 - 14.8)
High school graduate	8.4	(7.1 - 9.9)
Some college	6.2	(5.1 - 7.7)
College graduate	3.6	(2.7 - 4.8)
Household Income		
< \$20,000	13.9	(11.6 - 16.6)
\$20,000 - \$34,999	7.6	(6.1 - 9.6)
\$35,000 - \$49,999	7.0	(5.1 - 9.5)
\$50,000 - \$74,999	5.7	(4.1 - 7.8)
\$75,000 +	2.8	(1.9 - 4.1)
^a The proportion who reported either “Rarely” or “Never” to the following question: “How often do you get the social and emotional support you need?”		

Demographic Characteristics	Total Disability ^a		Any Activity Limitation ^b		Used Special Equipment ^c	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	22.7	(21.5 - 23.9)	21.1	(20.0 - 22.3)	7.2	(6.6 - 7.9)
Age						
18 - 24	13.7	(9.8 - 18.8)	13.1	(9.3 - 18.2)	1.1	(0.4 - 3.2)
25 - 34	12.6	(9.8 - 16.1)	12.3	(9.5 - 15.7)	1.8	(0.9 - 3.6)
35 - 44	15.0	(12.8 - 17.6)	14.7	(12.4 - 17.3)	3.2	(2.2 - 4.6)
45 - 54	22.6	(20.3 - 25.1)	21.2	(19.0 - 23.7)	7.3	(5.9 - 9.0)
55 - 64	32.5	(29.9 - 35.2)	31.0	(28.4 - 33.7)	11.2	(9.5 - 13.1)
65 - 74	36.9	(33.6 - 40.3)	33.1	(29.9 - 36.4)	13.5	(11.3 - 16.0)
75 +	42.8	(39.4 - 46.2)	36.5	(33.2 - 39.9)	22.5	(19.8 - 25.4)
Gender						
Male	21.4	(19.6 - 23.4)	19.9	(18.1 - 21.9)	5.9	(5.0 - 6.9)
Female	23.9	(22.5 - 25.4)	22.2	(20.8 - 23.7)	8.4	(7.6 - 9.3)
Race/Ethnicity						
White non-Hispanic	22.2	(20.9 - 23.5)	20.7	(19.4 - 22.0)	6.7	(6.0 - 7.4)
Black non-Hispanic	24.7	(21.5 - 28.3)	22.6	(19.4 - 26.0)	10.3	(8.5 - 12.6)
Other non-Hispanic	23.9	(19.0 - 29.5)	22.7	(18.0 - 28.2)	9.0	(6.2 - 13.0)
Hispanic	20.8	(12.8 - 32.1)	20.4	(12.4 - 31.7)	2.3	(0.8 - 6.6)
Education						
Less than high school	34.3	(29.0 - 40.1)	31.2	(26.0 - 36.8)	11.3	(8.9 - 14.3)
High school graduate	26.0	(23.7 - 28.4)	23.9	(21.7 - 26.2)	8.2	(7.1 - 9.5)
Some college	23.5	(21.4 - 25.7)	22.3	(20.2 - 24.5)	7.9	(6.7 - 9.4)
College graduate	16.0	(14.3 - 17.8)	14.9	(13.2 - 16.7)	4.5	(3.7 - 5.5)
Household Income						
< \$20,000	41.8	(37.7 - 45.9)	38.8	(34.8 - 42.8)	17.2	(14.6 - 20.2)
\$20,000 - \$34,999	28.3	(25.3 - 31.6)	26.2	(23.3 - 29.4)	9.1	(7.6 - 10.9)
\$35,000 - \$49,999	21.8	(18.7 - 25.2)	20.4	(17.4 - 23.8)	6.3	(4.8 - 8.2)
\$50,000 - \$74,999	17.0	(14.5 - 19.7)	16.3	(13.9 - 19.0)	4.3	(3.1 - 5.9)
\$75,000 +	12.9	(11.0 - 15.0)	12.1	(10.3 - 14.2)	2.2	(1.6 - 3.0)

^a 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.

^b The proportion who reported being limited in any activities because of physical, mental, or emotional problems.

^c 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.

**Table 7: Weight Status
2007 Michigan BRFSS**

Demographic Characteristics	Obese ^a		Overweight ^b		Not Overweight or Obese ^c	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	28.4	(27.1 - 29.9)	36.2	(34.7 - 37.7)	35.4	(33.9 - 36.9)
Age						
18 - 24	15.6	(11.0 - 21.8)	23.5	(18.5 - 29.3)	60.9	(54.2 - 67.2)
25 - 34	30.4	(26.1 - 35.1)	35.1	(30.5 - 40.1)	34.5	(30.1 - 39.2)
35 - 44	27.7	(24.6 - 31.1)	37.6	(34.2 - 41.1)	34.7	(31.5 - 38.0)
45 - 54	30.4	(27.8 - 33.1)	38.9	(36.1 - 41.8)	30.7	(28.2 - 33.4)
55 - 64	38.4	(35.6 - 41.2)	37.8	(35.0 - 40.7)	23.8	(21.5 - 26.3)
65 - 74	34.2	(31.0 - 37.6)	39.5	(36.1 - 43.0)	26.2	(23.3 - 29.4)
75 +	19.5	(17.0 - 22.2)	41.8	(38.4 - 45.2)	38.7	(35.5 - 42.1)
Gender						
Male	29.1	(26.8 - 31.4)	41.5	(39.1 - 44.0)	29.4	(27.1 - 31.8)
Female	27.8	(26.2 - 29.5)	30.9	(29.1 - 32.7)	41.3	(39.3 - 43.2)
Race/Ethnicity						
White non-Hispanic	26.8	(25.4 - 28.4)	36.7	(35.1 - 38.4)	36.4	(34.7 - 38.1)
Black non-Hispanic	37.4	(33.3 - 41.7)	35.6	(31.3 - 40.2)	27.0	(23.0 - 31.3)
Other non-Hispanic	25.8	(20.3 - 32.1)	31.9	(25.6 - 39.1)	42.3	(35.1 - 49.9)
Hispanic	38.1	(25.0 - 53.3)	29.9	(19.8 - 42.4)	32.0	(21.6 - 44.5)
Education						
Less than high school	23.9	(19.5 - 29.0)	34.6	(29.1 - 40.7)	41.4	(35.1 - 48.0)
High school graduate	31.9	(29.3 - 34.7)	34.6	(32.0 - 37.3)	33.5	(30.8 - 36.3)
Some college	32.1	(29.4 - 34.8)	34.8	(32.1 - 37.7)	33.1	(30.3 - 36.0)
College graduate	22.7	(20.6 - 25.0)	39.2	(36.6 - 41.9)	38.0	(35.5 - 40.7)
Household Income						
< \$20,000	31.8	(28.1 - 35.7)	32.0	(28.1 - 36.3)	36.2	(31.9 - 40.7)
\$20,000 - \$34,999	32.1	(28.6 - 35.7)	35.1	(31.6 - 38.7)	32.9	(29.4 - 36.5)
\$35,000 - \$49,999	32.6	(28.9 - 36.6)	37.8	(34.0 - 41.9)	29.5	(25.9 - 33.4)
\$50,000 - \$74,999	29.6	(26.4 - 33.1)	40.4	(36.8 - 44.2)	29.9	(26.6 - 33.5)
\$75,000 +	24.3	(21.8 - 27.1)	37.4	(34.5 - 40.4)	38.2	(35.2 - 41.4)

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.

^a The proportion of respondents whose BMI was greater than or equal to 30.0.

^b The proportion of respondents whose BMI was greater than or equal to 25.0, but less than 30.0.

^c The proportion of respondents whose BMI was less than 25.0.

**Table 8: Health Care Access
2007 Michigan BRFSS**

Demographic Characteristics	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	14.4	(13.1 - 15.8)	15.0	(13.7 - 16.3)	11.7	(10.7 - 12.8)
Age						
18 - 24	24.7	(19.5 - 30.6)	30.3	(24.6 - 36.6)	15.2	(11.4 - 20.1)
25 - 34	19.1	(15.6 - 23.2)	25.0	(21.1 - 29.5)	18.5	(15.1 - 22.3)
35 - 44	12.8	(10.7 - 15.3)	16.1	(13.7 - 18.9)	13.6	(11.2 - 16.5)
45 - 54	10.6	(9.0 - 12.5)	11.0	(9.3 - 13.0)	10.7	(9.0 - 12.5)
55 - 64	7.4	(6.1 - 9.0)	6.0	(4.8 - 7.4)	9.0	(7.5 - 10.8)
65 - 74	---	---	4.7	(3.4 - 6.5)	3.4	(2.3 - 4.9)
75 +	---	---	4.9	(3.5 - 6.6)	4.0	(2.9 - 5.6)
Gender						
Male	15.5	(13.5 - 17.8)	19.3	(17.2 - 21.5)	10.4	(8.9 - 12.2)
Female	13.3	(11.7 - 15.0)	10.9	(9.7 - 12.4)	12.8	(11.6 - 14.2)
Race/Ethnicity						
White non-Hispanic	13.7	(12.2 - 15.3)	14.2	(12.9 - 15.7)	10.2	(9.2 - 11.4)
Black non-Hispanic	18.7	(15.1 - 22.9)	16.8	(13.8 - 20.2)	17.3	(14.1 - 21.0)
Other non-Hispanic	15.8	(10.6 - 22.9)	17.6	(12.1 - 24.9)	17.6	(12.8 - 23.6)
Hispanic	11.3	(5.6 - 21.4)	20.6	(10.9 - 35.3)	14.7	(7.2 - 27.7)
Education						
Less than high school	30.4	(23.1 - 38.8)	20.0	(15.0 - 26.2)	17.2	(13.1 - 22.3)
High school graduate	20.5	(17.8 - 23.5)	17.6	(15.3 - 20.3)	13.4	(11.5 - 15.5)
Some college	14.2	(11.9 - 16.8)	14.7	(12.6 - 17.2)	14.3	(12.3 - 16.6)
College graduate	6.1	(4.8 - 7.8)	11.2	(9.5 - 13.3)	6.1	(4.9 - 7.5)
Household Income						
< \$20,000	37.8	(32.5 - 43.4)	24.7	(20.8 - 29.1)	26.6	(22.7 - 30.9)
\$20,000 - \$34,999	25.3	(21.4 - 29.7)	20.2	(17.0 - 23.8)	18.3	(15.5 - 21.4)
\$35,000 - \$49,999	13.8	(10.7 - 17.6)	15.1	(12.2 - 18.7)	13.0	(10.1 - 16.4)
\$50,000 - \$74,999	6.1	(4.3 - 8.6)	9.1	(6.9 - 11.8)	6.5	(4.7 - 8.9)
\$75,000 +	3.7	(2.5 - 5.5)	8.6	(6.9 - 10.5)	3.1	(2.1 - 4.5)

^a Among those aged 18-64 (n = 5,277), the proportion who reported having no health care coverage, including health insurance, prepaid plans such as HMOs, or government plans, such as Medicare.

^b The proportion who reported that they did not have anyone that they thought of as their personal doctor or health care provider.

^c The proportion who reported that in the past 12 months, they could not see a doctor when they needed to due to the cost.

Table 9: Medicaid Coverage 2007 Michigan BRFSS		
Demographic Characteristics	Has Medicaid Coverage^a	
	%	95% Confidence Interval
Total	11.0	(10.1 - 12.0)
Age		
18 - 24	15.6	(11.5 - 20.8)
25 - 34	11.6	(8.9 - 15.0)
35 - 44	6.7	(5.1 - 8.7)
45 - 54	5.4	(4.3 - 6.8)
55 - 64	6.5	(5.2 - 8.1)
65 - 74	23.8	(21.0 - 26.9)
75 +	22.3	(19.5 - 25.3)
Gender		
Male	10.4	(9.0 - 11.9)
Female	11.6	(10.4 - 12.9)
Race/Ethnicity		
White non-Hispanic	8.1	(7.3 - 9.1)
Black non-Hispanic	24.6	(20.9 - 28.8)
Other non-Hispanic	17.0	(11.9 - 23.6)
Hispanic	12.3	(6.8 - 21.5)
Education		
Less than high school	32.3	(27.0 - 38.1)
High school graduate	14.3	(12.5 - 16.4)
Some college	9.0	(7.6 - 10.8)
College graduate	4.7	(3.7 - 6.0)
Household Income		
< \$20,000	30.0	(26.3 - 34.1)
\$20,000 - \$34,999	15.0	(12.4 - 18.0)
\$35,000 - \$49,999	8.1	(5.9 - 10.9)
\$50,000 - \$74,999	3.9	(2.5 - 5.9)
\$75,000 +	2.6	(1.9 - 3.6)
^a Among all respondents, the proportion who reported that they currently have Medicaid health care coverage.		

Table 10: No Leisure-Time Physical Activity 2007 Michigan BRFSS		
Demographic Characteristics	No Leisure-Time Physical Activity^a	
	%	95% Confidence Interval
Total	20.9	(19.6 - 22.1)
Age		
18 – 24	14.2	(10.1 - 19.7)
25 – 34	18.0	(14.4 - 22.2)
35 – 44	18.6	(16.0 - 21.6)
45 – 54	18.2	(16.2 - 20.4)
55 – 64	23.3	(21.0 - 25.7)
65 – 74	28.0	(25.0 - 31.1)
75 +	35.3	(32.1 - 38.6)
Gender		
Male	18.3	(16.4 - 20.3)
Female	23.3	(21.8 - 24.8)
Race/Ethnicity		
White non-Hispanic	18.5	(17.4 - 19.8)
Black non-Hispanic	29.8	(25.8 - 34.1)
Other non-Hispanic	25.4	(19.7 - 32.0)
Hispanic	30.7	(19.1 - 45.6)
Education		
Less than high school	35.5	(30.2 - 41.2)
High school graduate	27.0	(24.6 - 29.5)
Some college	19.5	(17.4 - 21.8)
College graduate	12.5	(10.8 - 14.4)
Household Income		
< \$20,000	34.9	(31.1 - 39.0)
\$20,000 - \$34,999	24.8	(21.7 - 28.3)
\$35,000 - \$49,999	23.8	(20.4 - 27.7)
\$50,000 - \$74,999	13.9	(11.5 - 16.8)
\$75,000 +	10.9	(9.2 - 12.9)
^a 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.		

**Table 11: Inadequate Physical Activity
2007 Michigan BRFSS**

Demographic Characteristics	Inadequate Physical Activity ^a		Inadequate Moderate Physical Activity ^b (< 30 minutes, 5 times / week)		Inadequate Vigorous Physical Activity ^c (< 20 minutes, 3 times / week)	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	49.4	(47.9 - 51.0)	62.0	(60.5 - 63.5)	70.7	(69.2 - 72.2)
Age						
18 - 24	39.2	(33.0 - 45.8)	64.0	(57.4 - 70.0)	52.4	(45.7 - 59.1)
25 - 34	50.1	(45.3 - 55.0)	63.1	(58.4 - 67.5)	68.7	(64.1 - 72.9)
35 - 44	47.0	(43.5 - 50.5)	61.2	(57.7 - 64.6)	66.6	(63.2 - 69.9)
45 - 54	48.9	(46.0 - 51.9)	58.8	(55.9 - 61.6)	70.9	(68.2 - 73.5)
55 - 64	52.6	(49.7 - 55.5)	61.9	(59.1 - 64.7)	78.0	(75.6 - 80.3)
65 - 74	53.0	(49.4 - 56.6)	60.2	(56.6 - 63.6)	82.8	(79.9 - 85.3)
75 +	62.0	(58.5 - 65.4)	68.8	(65.3 - 72.0)	86.3	(83.8 - 88.5)
Gender						
Male	48.3	(45.8 - 50.9)	63.5	(61.1 - 65.9)	66.3	(63.7 - 68.7)
Female	50.5	(48.6 - 52.5)	60.6	(58.7 - 62.5)	74.8	(73.0 - 76.5)
Race/Ethnicity						
White/Non-Hispanic	48.1	(46.4 - 49.9)	60.7	(59.0 - 62.4)	70.3	(68.6 - 71.9)
Black/Non-Hispanic	59.0	(54.3 - 63.4)	72.1	(68.1 - 75.8)	75.9	(71.7 - 79.7)
Other/Non-Hispanic	54.8	(47.4 - 62.1)	63.1	(55.8 - 69.9)	73.9	(66.7 - 80.1)
Hispanic	33.4	(23.1 - 45.6)	54.2	(41.2 - 66.6)	51.3	(37.8 - 64.6)
Education						
Less than high school	51.1	(44.5 - 57.7)	60.1	(53.3 - 66.5)	74.3	(67.3 - 80.2)
High school graduate	51.5	(48.6 - 54.4)	63.6	(60.8 - 66.3)	73.5	(70.6 - 76.3)
Some college	50.4	(47.4 - 53.4)	61.5	(58.6 - 64.4)	71.7	(68.9 - 74.5)
College graduate	46.3	(43.7 - 49.0)	61.5	(58.9 - 64.0)	66.0	(63.4 - 68.5)
Household Income						
$< \$20,000$	56.6	(52.1 - 61.0)	66.2	(61.9 - 70.3)	78.1	(73.8 - 81.9)
$\$20,000 - \$34,999$	53.4	(49.6 - 57.2)	64.1	(60.4 - 67.7)	76.6	(72.8 - 80.0)
$\$35,000 - \$49,999$	52.1	(47.9 - 56.2)	61.8	(57.7 - 65.7)	74.9	(71.0 - 78.6)
$\$50,000 - \$74,999$	45.6	(41.9 - 49.4)	58.0	(54.2 - 61.7)	68.2	(64.5 - 71.8)
$\$75,000 +$	43.8	(40.7 - 46.9)	60.5	(57.5 - 63.4)	61.4	(58.3 - 64.4)

^a The proportion who reported that they do not usually do moderate physical activities for a total of at least 30 minutes on five or more days per week or vigorous physical activities for a total of at least 20 minutes on three or more days per week while not at work.

^b The proportion who reported that they do not usually do moderate physical activities, such as brisk walking, bicycling, vacuuming, and gardening for at least 30 minutes on five or more days per week while not at work.

^c The proportion who reported that they do not usually participate in vigorous physical activities, such as running, aerobics, and heavy yard work, for at least 20 minutes on three or more days per week while not at work.

**Table 12: Occupational Physical Activity Among Currently Employed Adults
2007 Michigan BRFSS**

Demographic Characteristics	Mostly Sitting or Standing ^a		Mostly Walking ^b		Mostly Heavy Labor ^c	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	61.2	(59.0 - 63.4)	23.3	(21.4 - 25.3)	15.5	(13.7 - 17.4)
Age						
18 - 24	47.9	(38.8 - 57.2)	28.3	(20.8 - 37.2)	23.7	(16.1 - 33.5)
25 - 34	52.5	(46.9 - 58.1)	28.4	(23.6 - 33.8)	19.0	(14.7 - 24.3)
35 - 44	63.7	(59.6 - 67.6)	22.5	(19.1 - 26.3)	13.8	(11.2 - 16.9)
45 - 54	66.2	(62.9 - 69.4)	20.0	(17.4 - 22.9)	13.8	(11.5 - 16.4)
55 - 64	70.3	(66.4 - 73.9)	19.6	(16.5 - 23.1)	10.1	(7.8 - 12.9)
65 - 74	71.6	(63.7 - 78.4)	19.6	(14.0 - 26.7)	8.8	(5.0 - 15.0)
75 +	-- ^d		-- ^d		-- ^d	
Gender						
Male	56.0	(52.7 - 59.3)	21.5	(18.9 - 24.5)	22.4	(19.6 - 25.5)
Female	67.5	(64.7 - 70.2)	25.4	(22.9 - 28.1)	7.1	(5.6 - 8.9)
Race/Ethnicity						
White/Non-Hispanic	63.3	(60.9 - 65.6)	22.0	(20.0 - 24.0)	14.8	(13.1 - 16.6)
Black/Non-Hispanic	58.0	(50.9 - 64.8)	28.6	(22.4 - 35.8)	13.4	(8.9 - 19.6)
Other/Non-Hispanic	57.0	(47.1 - 66.4)	27.1	(19.0 - 37.2)	15.9	(9.7 - 24.8)
Hispanic	35.1	(22.7 - 49.9)	29.4	(17.2 - 45.4)	35.5	(20.0 - 54.7)
Education						
Less than high school	36.9	(25.9 - 49.5)	18.1	(11.3 - 27.6)	45.0	(33.4 - 57.3)
High school graduate	51.0	(46.6 - 55.3)	26.1	(22.4 - 30.1)	22.9	(19.0 - 27.3)
Some college	57.0	(52.9 - 61.0)	26.0	(22.5 - 29.9)	17.0	(13.9 - 20.5)
College graduate	75.2	(72.0 - 78.1)	19.7	(17.0 - 22.8)	5.1	(3.8 - 6.8)
Household Income						
< \$20,000	53.6	(44.7 - 62.2)	25.5	(18.7 - 33.7)	21.0	(14.9 - 28.8)
\$20,000 - \$34,999	47.7	(41.6 - 53.9)	25.1	(20.1 - 30.8)	27.2	(21.3 - 34.0)
\$35,000 - \$49,999	57.2	(51.3 - 62.9)	23.8	(19.1 - 29.3)	19.0	(14.6 - 24.2)
\$50,000 - \$74,999	60.6	(55.9 - 65.2)	23.5	(19.6 - 27.9)	15.9	(12.6 - 19.9)
\$75,000 +	70.9	(67.4 - 74.2)	21.8	(18.8 - 25.1)	7.3	(5.5 - 9.6)

Among those who were employed, the proportion who reported...(n=3,602)

^a mostly sitting or standing while they were at work.

^b mostly walking while they were at work.

^c doing mostly heavy labor or physically demanding work while they were at work.

^d The denominator in this subgroup was less than 50.

Table 13: Inadequate Fruit and Vegetable Consumption 2007 Michigan BRFSS		
Demographic Characteristics	Fruits and Vegetables^a (< 5 times / day)	
	%	95% Confidence Interval
Total	78.7	(77.5 - 80.0)
Age		
18 - 24	83.2	(77.7 - 87.6)
25 - 34	76.6	(72.4 - 80.4)
35 - 44	82.3	(79.5 - 84.8)
45 - 54	80.1	(77.8 - 82.2)
55 - 64	76.3	(73.8 - 78.5)
65 - 74	76.2	(73.1 - 79.0)
75 +	71.8	(68.7 - 74.8)
Gender		
Male	83.6	(81.6 - 85.4)
Female	74.3	(72.6 - 75.9)
Race/Ethnicity		
White/Non-Hispanic	79.1	(77.7 - 80.4)
Black/Non-Hispanic	77.9	(74.1 - 81.3)
Other/Non-Hispanic	77.9	(71.8 - 83.0)
Hispanic	78.7	(63.8 - 88.5)
Education		
Less than high school	83.3	(78.4 - 87.3)
High school graduate	81.5	(79.2 - 83.6)
Some college	79.4	(77.1 - 81.6)
College graduate	74.2	(72.0 - 76.4)
Household Income		
< \$20,000	77.7	(74.0 - 81.1)
\$20,000 - \$34,999	80.2	(77.2 - 83.0)
\$35,000 - \$49,999	79.5	(76.1 - 82.6)
\$50,000 - \$74,999	79.1	(76.0 - 81.8)
\$75,000 +	77.2	(74.7 - 79.5)
^a The proportion whose total reported consumption of fruits (including juice) and vegetables was less than five times per day.		

**Table 14: Cigarette Smoking
2007 Michigan BRFSS**

Demographic Characteristics	Current Smoking ^a		Former Smoking ^b		Never Smoked	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	21.1	(19.8 - 22.5)	24.9	(23.7 - 26.1)	54.0	(52.4 - 55.5)
Age						
18 – 24	29.1	(23.5 - 35.5)	7.0	(4.1 - 11.7)	63.9	(57.3 - 70.0)
25 – 34	28.5	(24.4 - 33.0)	13.8	(11.1 - 16.9)	57.7	(53.0 - 62.3)
35 – 44	23.0	(20.2 - 26.1)	17.3	(14.8 - 20.2)	59.7	(56.2 - 63.0)
45 – 54	22.6	(20.3 - 25.2)	25.3	(23.0 - 27.8)	52.0	(49.2 - 54.9)
55 – 64	16.8	(14.8 - 19.1)	40.5	(37.8 - 43.4)	42.6	(39.8 - 45.4)
65 – 74	11.3	(9.2 - 13.8)	46.0	(42.6 - 49.5)	42.7	(39.4 - 46.1)
75 +	5.0	(3.7 - 6.6)	41.2	(37.9 - 44.6)	53.8	(50.4 - 57.2)
Gender						
Male	23.5	(21.3 - 25.8)	27.2	(25.3 - 29.3)	49.3	(46.8 - 51.8)
Female	18.9	(17.4 - 20.5)	22.7	(21.4 - 24.1)	58.4	(56.5 - 60.2)
Race/Ethnicity						
White non-Hispanic	21.5	(20.0 - 23.0)	26.4	(25.1 - 27.8)	52.1	(50.4 - 53.8)
Black non-Hispanic	20.0	(16.6 - 23.9)	16.0	(13.6 - 18.6)	64.1	(59.9 - 68.0)
Other non-Hispanic	17.7	(13.1 - 23.5)	19.4	(14.9 - 24.9)	62.9	(56.1 - 69.2)
Hispanic	24.5	(14.0 - 39.1)	28.8	(17.7 - 43.2)	46.7	(34.5 - 59.4)
Education						
Less than high school	34.4	(28.6 - 40.8)	22.5	(18.7 - 26.8)	43.1	(37.1 - 49.3)
High school graduate	29.5	(26.8 - 32.3)	26.1	(23.9 - 28.4)	44.4	(41.6 - 47.2)
Some college	21.4	(19.1 - 23.9)	26.1	(23.9 - 28.5)	52.5	(49.6 - 55.3)
College graduate	9.2	(7.7 - 11.0)	23.2	(21.2 - 25.2)	67.6	(65.2 - 69.9)
Household Income						
< \$20,000	33.7	(29.7 - 38.0)	22.3	(19.5 - 25.5)	43.9	(39.7 - 48.3)
\$20,000 - \$34,999	28.0	(24.5 - 31.7)	26.9	(23.9 - 30.2)	45.1	(41.5 - 48.8)
\$35,000 - \$49,999	23.6	(20.2 - 27.4)	25.9	(22.7 - 29.3)	50.5	(46.5 - 54.6)
\$50,000 - \$74,999	17.6	(14.8 - 20.7)	25.8	(22.9 - 28.8)	56.7	(53.0 - 60.3)
\$75,000 +	13.2	(11.1 - 15.6)	23.8	(21.6 - 26.2)	63.0	(60.1 - 65.8)

^a 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.

^b 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.

Table 15: Quit Attempts among Current Smokers 2007 Michigan BRFSS		
Demographic Characteristics	Tried to Quit Smoking One Day or Longer in Past Year^a	
	%	95% Confidence Interval
Total	61.6	(58.0 - 65.0)
Age		
18 – 24	73.4	(61.8 - 82.4)
25 – 34	66.9	(58.0 - 74.7)
35 – 44	51.3	(44.1 - 58.5)
45 – 54	60.9	(55.0 - 66.6)
55 – 64	55.2	(48.2 - 61.9)
65 – 74	55.9	(45.1 - 66.2)
75 +	57.5	(42.5 - 71.2)
Gender		
Male	62.1	(56.6 - 67.2)
Female	61.0	(56.5 - 65.3)
Race/Ethnicity		
White non-Hispanic	59.3	(55.3 - 63.1)
Black non-Hispanic	69.9	(60.2 - 78.1)
Other non-Hispanic	61.9	(44.9 - 76.3)
Hispanic	— ^b	
Education		
Less than high school	47.1	(36.0 - 58.6)
High school graduate	63.3	(57.8 - 68.4)
Some college	64.6	(58.6 - 70.3)
College graduate	62.1	(53.2 - 70.4)
Household Income		
< \$20,000	56.3	(48.6 - 63.8)
\$20,000 - \$34,999	59.6	(51.8 - 66.9)
\$35,000 - \$49,999	67.4	(59.2 - 74.7)
\$50,000 - \$74,999	59.0	(49.6 - 67.9)
\$75,000 +	67.4	(58.9 - 74.9)

^a Among current smokers (n = 1,359), the proportion who reported that during the past 12 months, they had tried to quit smoking for one day or longer.

^b The denominator in this subgroup was less than 50.

Table 16: Alcohol Consumption 2007 Michigan BRFSS				
Demographic Characteristics	Heavy Drinking^a		Binge Drinking^b	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	6.1	(5.3 - 6.9)	18.4	(17.1 - 19.8)
Age				
18 – 24	11.1	(7.6 - 15.9)	31.5	(25.5 - 38.1)
25 – 34	6.6	(4.5 - 9.6)	24.0	(20.1 - 28.4)
35 – 44	5.6	(4.2 - 7.3)	24.2	(21.4 - 27.3)
45 – 54	5.7	(4.6 - 7.1)	16.7	(14.7 - 19.0)
55 – 64	5.5	(4.3 - 7.0)	11.0	(9.2 - 13.0)
65 – 74	4.4	(3.3 - 6.0)	8.9	(7.0 - 11.3)
75 +	2.3	(1.4 - 3.5)	2.0	(1.2 - 3.1)
Gender				
Male	7.5	(6.2 - 9.0)	24.9	(22.6 - 27.2)
Female	4.8	(3.9 - 5.7)	12.5	(11.1 - 14.0)
Race/Ethnicity				
White non-Hispanic	6.6	(5.7 - 7.6)	19.5	(18.1 - 21.1)
Black non-Hispanic	4.0	(2.5 - 6.5)	13.5	(10.3 - 17.4)
Other non-Hispanic	2.6	(1.1 - 6.3)	10.6	(6.9 - 16.0)
Hispanic	7.4	(3.0 - 17.1)	26.1	(15.4 - 40.6)
Education				
Less than high school	4.6	(2.6 - 8.2)	14.8	(10.6 - 20.2)
High school graduate	6.6	(5.2 - 8.3)	18.9	(16.5 - 21.6)
Some college	6.8	(5.4 - 8.6)	20.5	(18.1 - 23.2)
College graduate	5.2	(4.1 - 6.6)	16.8	(14.8 - 19.1)
Household Income				
< \$20,000	4.5	(3.0 - 6.9)	14.5	(11.5 - 18.2)
\$20,000 - \$34,999	7.0	(5.2 - 9.5)	16.8	(13.9 - 20.1)
\$35,000 - \$49,999	6.3	(4.5 - 8.7)	20.6	(17.2 - 24.5)
\$50,000 - \$74,999	6.2	(4.6 - 8.2)	19.5	(16.6 - 22.9)
\$75,000 +	7.1	(5.5 - 9.2)	23.4	(20.7 - 26.4)

^a 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.

^b 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.

Table 17: Mean Number of Binge Drinking Occasions During the Past Month Among Binge Drinkers 2007 Michigan BRFSS		
Demographic Characteristics	Number of Binge Drinking Occasions^a	
	Mean	95% Confidence Interval
Total	4.1	(3.7 - 4.5)
Age		
18 – 24	4.5	(3.5 - 5.5)
25 – 34	4.0	(2.9 - 5.1)
35 – 44	3.8	(3.0 - 4.5)
45 – 54	3.8	(2.9 - 4.7)
55 – 64	4.8	(3.3 - 6.3)
65+	4.3	(2.9 - 5.7)
Gender		
Male	4.7	(4.1 - 5.3)
Female	3.0	(2.5 - 3.4)
Race/Ethnicity		
White non-Hispanic	4.0	(3.6 - 4.5)
Black non-Hispanic	4.3	(2.4 - 6.3)
Other non-Hispanic	-- ^b	
Hispanic	-- ^b	
Education		
Less than high school	7.3	(4.2 - 10.4)
High school graduate	4.7	(3.9 - 5.5)
Some college	3.9	(3.3 - 4.6)
College graduate	3.0	(2.5 - 3.6)
Household Income		
< \$20,000	4.7	(3.3 - 6.0)
\$20,000 - \$34,999	5.1	(3.9 - 6.4)
\$35,000 - \$49,999	3.8	(2.6 - 4.9)
\$50,000 - \$74,999	4.1	(3.3 - 5.0)
\$75,000 +	3.5	(2.8 - 4.1)
^a Among those who binge drank in the past month (n = 976), 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. ^b The denominator in this subgroup was less than 50.		

Table 18: Hypertension Awareness and Medication Use 2007 Michigan BRFS				
Demographic Characteristics	Ever Told HBP^a		Taking BP Medication^b	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	29.0	(27.8 - 30.3)	79.4	(76.9 - 81.6)
Age				
18 – 24	6.3	(3.8 - 10.3)	-- ^c	
25 – 34	12.5	(9.7 - 16.1)	37.7	(25.6 - 51.5)
35 – 44	17.9	(15.3 - 20.8)	61.7	(53.2 - 69.5)
45 – 54	29.3	(26.8 - 32.0)	80.4	(75.5 - 84.4)
55 – 64	47.0	(44.2 - 49.8)	87.9	(84.9 - 90.4)
65 – 74	60.2	(56.8 - 63.5)	92.6	(90.0 - 94.5)
75 +	58.1	(54.7 - 61.4)	94.1	(91.7 - 95.9)
Gender				
Male	30.8	(28.7 - 32.9)	73.8	(69.8 - 77.5)
Female	27.4	(26.0 - 28.9)	85.1	(82.7 - 87.3)
Race/Ethnicity				
White non-Hispanic	28.1	(26.8 - 29.5)	79.8	(77.1 - 82.3)
Black non-Hispanic	37.2	(33.3 - 41.3)	78.0	(71.3 - 83.5)
Other non-Hispanic	25.0	(19.7 - 31.2)	75.4	(59.7 - 86.3)
Hispanic	22.0	(13.2 - 34.2)	-- ^c	
Education				
Less than high school	33.6	(28.8 - 38.8)	81.4	(73.1 - 87.6)
High school graduate	33.3	(31.0 - 35.8)	78.7	(74.6 - 82.3)
Some college	29.8	(27.4 - 32.3)	79.4	(74.6 - 83.5)
College graduate	22.8	(20.9 - 24.9)	79.3	(74.5 - 83.3)
Household Income				
< \$20,000	37.3	(33.6 - 41.3)	79.3	(73.1 - 84.3)
\$20,000 - \$34,999	33.8	(30.7 - 37.1)	80.1	(74.5 - 84.7)
\$35,000 - \$49,999	32.6	(29.0 - 36.4)	79.1	(72.0 - 84.8)
\$50,000 - \$74,999	25.4	(22.6 - 28.5)	83.4	(77.8 - 87.8)
\$75,000 +	21.2	(19.0 - 23.5)	77.7	(72.2 - 82.3)
^a Among all respondents, the proportion who reported that they were ever told by a doctor that they have high blood pressure (HBP). Women who had HBP only during pregnancy and adults who were borderline hypertensive were considered to not have been diagnosed. ^b Among those who were ever told that they had HBP (n = 2,868), the proportion that reported they were currently taking blood pressure (BP) medicines for their HBP. ^c The denominator in this subgroup was less than 50.				

**Table 19: Cholesterol Screening and Awareness
2007 Michigan BRFSS**

Demographic Characteristics	Cholesterol Ever Checked ^a		Checked Within Past Five Years ^b		Ever Told High Cholesterol ^c	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	82.5	(80.9 - 83.9)	78.5	(76.9 - 80.0)	39.9	(38.4 - 41.4)
Age						
18 – 24	37.7	(31.5 - 44.3)	35.3	(29.2 - 41.8)	9.2	(4.6 - 17.3)
25 – 34	72.0	(67.4 - 76.2)	67.5	(62.7 - 71.9)	24.3	(19.9 - 29.4)
35 – 44	84.2	(81.5 - 86.6)	78.0	(75.0 - 80.7)	30.9	(27.5 - 34.6)
45 – 54	92.9	(91.3 - 94.3)	88.1	(86.1 - 89.9)	39.6	(36.7 - 42.5)
55 – 64	97.3	(96.3 - 98.0)	93.7	(92.1 - 94.9)	55.2	(52.3 - 58.1)
65 – 74	97.4	(96.1 - 98.3)	96.2	(94.7 - 97.3)	58.7	(55.2 - 62.1)
75 +	97.5	(96.3 - 98.4)	95.6	(94.0 - 96.9)	53.2	(49.7 - 56.6)
Gender						
Male	80.2	(77.6 - 82.5)	75.8	(73.2 - 78.2)	42.8	(40.3 - 45.3)
Female	84.6	(82.7 - 86.3)	81.0	(79.0 - 82.8)	37.4	(35.7 - 39.2)
Race/Ethnicity						
White non-Hispanic	82.6	(80.9 - 84.2)	78.2	(76.4 - 79.9)	40.8	(39.2 - 42.5)
Black non-Hispanic	84.8	(80.9 - 88.1)	82.9	(78.8 - 86.3)	35.5	(31.2 - 40.0)
Other non-Hispanic	82.8	(75.9 - 88.1)	80.7	(73.6 - 86.2)	41.6	(34.4 - 49.1)
Hispanic	67.6	(51.9 - 80.2)	64.0	(48.9 - 76.7)	34.9	(23.3 - 48.6)
Education						
Less than high school	70.4	(63.5 - 76.5)	67.5	(60.5 - 73.7)	41.8	(35.9 - 48.0)
High school graduate	76.9	(73.7 - 79.8)	73.6	(70.5 - 76.6)	44.6	(41.9 - 47.3)
Some college	83.2	(80.4 - 85.7)	79.3	(76.4 - 82.0)	40.3	(37.5 - 43.1)
College graduate	90.2	(88.0 - 92.0)	85.0	(82.6 - 87.1)	35.5	(33.0 - 38.0)
Household Income						
< \$20,000	76.5	(71.8 - 80.6)	73.6	(68.9 - 77.8)	44.1	(39.8 - 48.5)
\$20,000 - \$34,999	77.8	(73.6 - 81.5)	72.8	(68.6 - 76.7)	43.8	(40.2 - 47.4)
\$35,000 - \$49,999	80.2	(75.9 - 84.0)	76.2	(71.8 - 80.0)	41.5	(37.5 - 45.5)
\$50,000 - \$74,999	86.5	(83.1 - 89.3)	81.5	(78.0 - 84.7)	36.8	(33.3 - 40.5)
\$75,000 +	89.3	(86.4 - 91.6)	85.9	(82.9 - 88.4)	36.8	(33.9 - 39.7)

^a Among all respondents, the proportion who reported ever having had their blood cholesterol checked.

^b Among all respondents, the proportion who reported that they have had their blood cholesterol checked within the past five years.

^c Among those who ever had their blood cholesterol checked (n = 6,688), the proportion who reported that a doctor, nurse, or other health professional had told them that their cholesterol was high.

Table 20: No Routine Checkup in Past Year 2007 Michigan BRFSS		
Demographic Characteristics	Had No Routine Checkup in Past Year^a	
	%	95% Confidence Interval
Total	30.5	(29.0 - 32.0)
Age		
18 - 24	36.4	(30.3 - 42.9)
25 - 34	40.4	(35.8 - 45.1)
35 - 44	39.2	(35.9 - 42.7)
45 - 54	30.0	(27.4 - 32.7)
55 - 64	22.9	(20.6 - 25.4)
65 - 74	16.3	(13.9 - 19.1)
75 +	12.0	(9.9 - 14.5)
Gender		
Male	36.6	(34.1 - 39.0)
Female	24.9	(23.2 - 26.7)
Race/Ethnicity		
White non-Hispanic	32.7	(31.1 - 34.4)
Black non-Hispanic	18.0	(14.9 - 21.6)
Other non-Hispanic	33.1	(26.4 - 40.5)
Hispanic	26.9	(17.6 - 38.9)
Education		
Less than high school	26.1	(21.2 - 31.6)
High school graduate	28.9	(26.3 - 31.6)
Some college	32.2	(29.4 - 35.1)
College graduate	31.7	(29.2 - 34.4)
Household Income		
< \$20,000	33.0	(28.8 - 37.5)
\$20,000 - \$34,999	31.2	(27.8 - 34.9)
\$35,000 - \$49,999	32.3	(28.4 - 36.4)
\$50,000 - \$74,999	32.5	(28.9 - 36.3)
\$75,000 +	28.4	(25.7 - 31.3)
^a The proportion who reported that they did not have a routine checkup in the past year.		

**Table 21: Oral Cancer Screening
2007 Michigan BRFSS**

Demographic Characteristics	Ever Heard of Oral/Mouth Cancer ^a		Ever Heard of Oral/Mouth Cancer Exam ^b		Ever Had Oral/Mouth Cancer Exam ^c	
	%	%	%	95% Confidence Interval	%	95% Confidence Interval
Total	80.4	(78.2 - 82.4)	37.5	(35.1 - 39.9)	58.3	(55.8 - 60.7)
Age						
18 – 24	74.5	(63.8 - 82.8)	28.5	(19.7 - 39.4)	51.2	(40.6 - 61.8)
25 – 34	74.3	(66.8 - 80.5)	33.6	(26.7 - 41.3)	53.0	(45.2 - 60.7)
35 – 44	82.0	(77.5 - 85.7)	42.7	(37.4 - 48.1)	57.1	(51.6 - 62.4)
45 – 54	85.6	(81.9 - 88.7)	39.1	(34.8 - 43.5)	64.2	(59.7 - 68.4)
55 – 64	86.7	(83.2 - 89.6)	42.7	(38.3 - 47.2)	66.8	(62.4 - 71.0)
65 – 74	81.1	(76.5 - 84.9)	39.8	(34.7 - 45.0)	59.2	(53.8 - 64.4)
75 +	72.1	(67.1 - 76.6)	30.9	(25.9 - 36.4)	51.4	(45.8 - 56.8)
Gender						
Male	79.4	(75.9 - 82.6)	36.1	(32.4 - 40.0)	59.3	(55.3 - 63.1)
Female	81.3	(78.6 - 83.7)	38.8	(35.8 - 41.8)	57.3	(54.2 - 60.4)
Race/Ethnicity						
White non-Hispanic	83.7	(81.5 - 85.6)	38.6	(36.0 - 41.3)	60.2	(57.4 - 62.9)
Black non-Hispanic	68.0	(60.1 - 74.9)	35.2	(28.5 - 42.5)	48.5	(41.0 - 56.1)
Other non-Hispanic	69.8	(56.7 - 80.3)	25.6	(16.4 - 37.7)	47.9	(36.0 - 60.1)
Hispanic	-- ^d		-- ^d		-- ^d	
Education						
Less than high school	63.3	(51.9 - 73.4)	25.7	(17.3 - 36.4)	51.7	(41.0 - 62.3)
High school graduate	75.2	(71.1 - 78.9)	31.2	(27.3 - 35.3)	49.4	(45.0 - 53.8)
Some college	82.6	(78.7 - 85.9)	35.7	(31.6 - 40.1)	57.7	(53.1 - 62.1)
College graduate	87.2	(83.7 - 90.0)	47.9	(43.5 - 52.3)	69.1	(64.7 - 73.1)
Household Income						
< \$20,000	76.9	(70.4 - 82.3)	30.1	(24.2 - 36.8)	46.4	(39.5 - 53.5)
\$20,000 - \$34,999	75.8	(70.5 - 80.5)	35.3	(30.2 - 40.7)	52.2	(46.7 - 57.7)
\$35,000 - \$49,999	78.9	(72.0 - 84.5)	37.5	(31.3 - 44.3)	53.7	(46.7 - 60.5)
\$50,000 - \$74,999	84.4	(79.7 - 88.2)	38.7	(33.0 - 44.7)	63.5	(57.4 - 69.2)
\$75,000 +	86.4	(82.1 - 89.8)	43.8	(39.0 - 48.8)	70.4	(65.4 - 75.0)

^a Among all respondents (n = 2,932), the proportion who reported ever having heard of oral or mouth cancer.

^b Among all respondents, the proportion who reported ever having heard of a test or an examination for oral or mouth cancer.

^c Among all respondents, the proportion who reported ever having a check-up or exam in which the doctor or dentist pulled out the tongue, sometimes with gauze wrapped around it, and feels under the tongue and inside the cheeks, or feels the neck.

^d The denominator in this subgroup was less than 50.

Table 22: Immunizations Among Adults Aged 65 Years and Older 2007 Michigan BRFSS				
Demographic Characteristics	Had Flu Vaccine in Past Year^a		Ever Had Pneumonia Vaccine^b	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	70.7	(68.4 - 72.8)	63.3	(60.9 - 65.7)
Age				
65 – 74	65.2	(61.9 - 68.4)	56.6	(53.1 - 60.1)
75 +	76.2	(73.2 - 78.9)	70.0	(66.8 - 73.1)
Gender				
Male	74.1	(70.5 - 77.5)	60.9	(56.8 - 64.9)
Female	68.2	(65.3 - 70.8)	65.0	(62.1 - 67.8)
Race/Ethnicity				
White non-Hispanic	72.3	(69.9 - 74.6)	64.8	(62.3 - 67.3)
Black non-Hispanic	58.4	(50.7 - 65.7)	49.5	(41.5 - 57.5)
Other non-Hispanic	74.8	(60.9 - 85.0)	70.4	(56.3 - 81.4)
Hispanic	-- ^c		-- ^c	
Education				
Less than high school	67.3	(60.8 - 73.1)	61.4	(54.5 - 67.9)
High school graduate	69.6	(66.0 - 73.0)	60.9	(57.1 - 64.7)
Some college	68.9	(64.3 - 73.2)	67.1	(62.4 - 71.6)
College graduate	76.5	(72.0 - 80.5)	64.9	(59.8 - 69.8)
Household Income				
< \$20,000	67.7	(62.4 - 72.5)	64.3	(58.9 - 69.4)
\$20,000 - \$34,999	68.9	(64.6 - 72.9)	65.9	(61.5 - 70.1)
\$35,000 - \$49,999	74.4	(68.3 - 79.7)	62.5	(55.4 - 69.0)
\$50,000 - \$74,999	73.4	(65.9 - 79.8)	57.2	(48.8 - 65.1)
\$75,000 +	74.8	(66.8 - 81.5)	62.9	(54.1 - 70.9)
^a Among those aged 65 years and older (n = 2,141), 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. ^b Among those aged 65 years and older, the proportion who reported that they ever had a pneumococcal vaccine. ^c The denominator in this subgroup was less than 50.				

**Table 23: Immunizations Among All Adults
2007 Michigan BRFSS**

Demographic Characteristics	Engaged in At-Risk Behaviors for Acquiring Hepatitis B ^a		Ever Had Hepatitis B Vaccine ^b	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	5.4	(4.6 - 6.3)	30.9	(29.4 - 32.5)
Age				
18 – 24	12.2	(8.6 - 16.9)	59.9	(53.4 - 66.1)
25 – 34	8.9	(6.5 - 12.1)	37.8	(33.4 - 42.4)
35 – 44	5.6	(4.3 - 7.2)	33.3	(30.1 - 36.6)
45 – 54	4.1	(3.1 - 5.3)	27.2	(24.8 - 29.8)
55 – 64	2.2	(1.5 - 3.2)	23.7	(21.4 - 26.2)
65 – 74	1.8	(0.9 - 3.6)	13.9	(11.6 - 16.5)
75 +	0.4	(0.2 - 0.9)	6.7	(5.1 - 8.7)
Gender				
Male	6.8	(5.6 - 8.3)	27.9	(25.5 - 30.4)
Female	4.1	(3.3 - 5.1)	33.8	(31.9 - 35.7)
Race/Ethnicity				
White non-Hispanic	4.6	(3.8 - 5.5)	29.4	(27.8 - 31.1)
Black non-Hispanic	10.5	(7.9 - 13.9)	34.7	(30.4 - 39.3)
Other non-Hispanic	4.4	(2.1 - 8.9)	36.3	(29.6 - 43.6)
Hispanic	6.9	(2.8 - 16.0)	46.6	(33.9 - 59.7)
Education				
Less than high school	10.2	(6.6 - 15.4)	25.0	(19.9 - 31.0)
High school graduate	5.9	(4.6 - 7.6)	25.5	(22.9 - 28.3)
Some college	5.7	(4.4 - 7.5)	33.5	(30.7 - 36.4)
College graduate	3.4	(2.5 - 4.7)	35.5	(33.0 - 38.2)
Household Income				
< \$20,000	10.5	(7.8 - 13.9)	27.7	(23.7 - 32.0)
\$20,000 - \$34,999	5.8	(4.1 - 8.1)	30.7	(27.1 - 34.7)
\$35,000 - \$49,999	5.7	(3.8 - 8.6)	30.2	(26.3 - 34.4)
\$50,000 - \$74,999	4.4	(3.1 - 6.4)	33.0	(29.4 - 36.9)
\$75,000 +	4.3	(3.0 - 6.1)	33.7	(30.8 - 36.7)

^a Among all respondents, the proportion who reported that at least one of the following is true:
- Have hemophilia and have received clotting factor concentrate
- Had sex with a man who has had sex with other men, even just one time
- Have taken street drugs by needle, even just one time
- Traded sex for money or drugs, even just one time
- Have tested positive for HIV
- Have had sex (even just one time) with someone who would answer "yes" to any of these statements
- Had more than two sex partners in the past year
^b Among all respondents, the proportion who reported that they ever had the hepatitis B vaccine. 14.6% of respondents reported don't know for this question so it was considered as a valid response.
^c The denominator in this subgroup was less than 50.

Demographic Characteristics	Ever Had an HIV Test^a	
	%	95% Confidence Interval
Total	38.5	(36.7 - 40.3)
Age		
18 – 24	29.0	(23.5 - 35.2)
25 – 34	58.0	(53.3 - 62.7)
35 – 44	50.4	(46.9 - 53.9)
45 – 54	31.6	(28.9 - 34.3)
55 – 64	19.0	(16.8 - 21.3)
Gender		
Male	35.6	(32.8 - 38.4)
Female	41.4	(39.2 - 43.7)
Race/Ethnicity		
White non-Hispanic	33.7	(31.8 - 35.7)
Black non-Hispanic	62.7	(57.7 - 67.5)
Other non-Hispanic	34.8	(27.8 - 42.6)
Hispanic	56.8	(42.8 - 69.8)
Education		
Less than high school	38.7	(31.0 - 47.0)
High school graduate	34.8	(31.6 - 38.3)
Some college	39.8	(36.6 - 43.1)
College graduate	40.5	(37.6 - 43.6)
Household Income		
< \$20,000	44.1	(38.8 - 49.6)
\$20,000 - \$34,999	36.7	(32.0 - 41.6)
\$35,000 - \$49,999	36.5	(32.0 - 41.2)
\$50,000 - \$74,999	40.7	(36.6 - 44.9)
\$75,000 +	38.5	(35.4 - 41.8)

^a Among those aged 18 - 64 years (n = 5,051), the proportion who reported that they ever had been tested for HIV, apart from tests that were part of a blood donation.

Demographic Characteristics	Lifetime Asthma Prevalence^a		Current Asthma Prevalence^b	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	14.7	(13.6 - 15.8)	9.5	(8.6 - 10.5)
Age				
18 - 24	20.4	(15.8 - 25.9)	12.6	(8.9 - 17.4)
25 - 34	18.3	(15.0 - 22.3)	10.2	(7.7 - 13.3)
35 - 44	15.4	(13.0 - 18.1)	10.0	(8.0 - 12.3)
45 - 54	12.4	(10.6 - 14.5)	8.4	(6.9 - 10.2)
55 - 64	13.5	(11.7 - 15.5)	10.0	(8.5 - 11.8)
65 - 74	10.6	(8.7 - 12.9)	8.5	(6.8 - 10.5)
75 +	8.8	(7.1 - 10.8)	5.8	(4.5 - 7.5)
Gender				
Male	13.4	(11.7 - 15.2)	7.9	(6.6 - 9.4)
Female	15.9	(14.5 - 17.4)	11.0	(9.8 - 12.4)
Race/Ethnicity				
White non-Hispanic	13.7	(12.6 - 15.0)	8.7	(7.8 - 9.7)
Black non-Hispanic	18.5	(14.9 - 22.6)	12.9	(10.0 - 16.5)
Other non-Hispanic	15.1	(10.7 - 20.9)	11.1	(7.2 - 16.7)
Hispanic	21.8	(13.6 - 32.9)	14.5	(7.9 - 25.2)
Education				
Less than high school	18.3	(13.9 - 23.7)	11.7	(8.3 - 16.3)
High school graduate	13.4	(11.6 - 15.5)	9.0	(7.5 - 10.7)
Some college	17.2	(15.0 - 19.8)	10.8	(9.1 - 12.9)
College graduate	12.6	(11.0 - 14.4)	8.3	(7.0 - 9.9)
Household Income				
< \$20,000	19.0	(16.0 - 22.5)	13.2	(10.7 - 16.2)
\$20,000 - \$34,999	14.0	(11.5 - 17.0)	8.8	(6.8 - 11.3)
\$35,000 - \$49,999	12.7	(10.2 - 15.5)	8.1	(6.2 - 10.5)
\$50,000 - \$74,999	15.5	(12.9 - 18.4)	9.5	(7.5 - 12.0)
\$75,000 +	12.5	(10.4 - 14.8)	7.2	(5.8 - 8.9)
^a The proportion of adults who reported that they were ever told by a doctor, nurse, or other health care professional that they had asthma.				
^b Among all adult respondents, the proportion who reported that they still had asthma.				

Table 26: Asthma in Children 2007 Michigan BRFSS				
Demographic Characteristics	Lifetime Asthma Prevalence^a		Current Asthma Prevalence^b	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	13.7	(12.0 - 15.6)	9.5	(8.0 - 11.2)
Age				
0 - 4	7.9	(4.8 - 12.7)	7.0	(4.0 - 11.8)
5 - 9	14.9	(11.6 - 18.9)	9.8	(7.1 - 13.2)
10 - 14	16.2	(12.8 - 20.2)	10.7	(8.0 - 14.1)
15 - 17	17.2	(13.7 - 21.5)	11.9	(8.8 - 15.8)
Gender				
Male	16.7	(14.2 - 19.5)	11.3	(9.2 - 13.8)
Female	10.8	(8.6 - 13.5)	7.7	(5.8 - 10.2)
Race/Ethnicity				
White non-Hispanic	11.4	(9.7 - 13.4)	8.1	(6.6 - 9.9)
Black non-Hispanic	16.2	(12.0 - 21.5)	11.6	(7.9 - 16.5)
Other non-Hispanic	29.1	(20.0 - 40.2)	16.8	(9.4 - 28.0)
Hispanic	12.7	(6.6 - 23.0)	10.6	(5.0 - 21.0)
Respondent Education				
Less than high school	16.6	(8.2 - 30.8)	10.5	(3.6 - 26.9)
High school graduate	14.8	(11.7 - 18.6)	11.0	(8.4 - 14.5)
Some college	14.5	(11.6 - 18.1)	9.3	(7.0 - 12.4)
College graduate	11.8	(9.3 - 14.9)	8.4	(6.3 - 11.2)
Household Income				
< \$20,000	18.7	(13.5 - 25.3)	13.3	(9.0 - 19.1)
\$20,000 - \$34,999	12.4	(8.9 - 17.1)	8.6	(5.7 - 12.8)
\$35,000 - \$49,999	15.8	(11.3 - 21.7)	9.9	(6.2 - 15.5)
\$50,000 - \$74,999	12.0	(8.4 - 16.8)	7.1	(4.5 - 11.1)
\$75,000 +	11.9	(9.3 - 15.0)	8.9	(6.7 - 11.8)
^a Estimated proportion of Michigan children aged 0-17 years ever diagnosed with asthma, using proxy information from respondent (n = 2,113). ^b Estimated proportion of Michigan children aged 0-17 years with current asthma.				

Table 27: Arthritis 2007 Michigan BRFSS				
Demographic Characteristics	Doctor Diagnosed Arthritis^a		Usual Activities Now Limited^b	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	31.7	(30.4 - 33.0)	36.2	(34.2 - 38.3)
Age				
18 - 24	4.7	(2.7 - 7.9)	-- ^c	
25 - 34	12.2	(9.5 - 15.6)	28.1	(17.4 - 42.0)
35 - 44	18.6	(16.2 - 21.4)	32.6	(26.1 - 39.8)
45 - 54	34.7	(32.0 - 37.4)	35.6	(31.2 - 40.3)
55 - 64	53.3	(50.4 - 56.1)	41.9	(38.1 - 45.9)
65 - 75	64.0	(60.5 - 67.3)	35.4	(31.4 - 39.6)
75 +	63.6	(60.2 - 66.8)	38.5	(34.5 - 42.8)
Gender				
Male	28.2	(26.3 - 30.3)	33.5	(30.1 - 37.1)
Female	34.9	(33.3 - 36.6)	38.2	(35.8 - 40.7)
Race/Ethnicity				
White/Non-Hispanic	32.5	(31.1 - 34.0)	33.7	(31.6 - 36.0)
Black/Non-Hispanic	28.8	(25.5 - 32.4)	41.5	(35.7 - 47.5)
Other/Non-Hispanic	30.2	(24.5 - 36.5)	50.8	(40.0 - 61.4)
Hispanic	19.8	(12.8 - 29.4)	-- ^c	
Education				
Less than high school	36.8	(31.6 - 42.3)	41.2	(34.4 - 48.3)
High school graduate	33.9	(31.6 - 36.3)	37.6	(34.1 - 41.3)
Some college	34.6	(32.1 - 37.2)	38.0	(34.2 - 41.9)
College graduate	25.4	(23.4 - 27.5)	30.4	(26.8 - 34.4)
Household Income				
< \$20,000	39.0	(35.2 - 43.0)	50.8	(45.5 - 56.1)
\$20,000 - \$34,999	37.2	(34.0 - 40.4)	40.2	(35.7 - 44.9)
\$35,000 - \$49,999	35.3	(31.9 - 38.9)	32.8	(28.0 - 38.0)
\$50,000 - \$74,999	28.4	(25.4 - 31.6)	31.1	(26.0 - 36.7)
\$75,000 +	23.9	(21.6 - 26.3)	26.2	(22.0 - 31.0)

^a Among all respondents, 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.

^b Among those who reported ever being told by a health care professional that they had some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia (n=3,096), the proportion who reported that their usual activities are now limited by their arthritis or joint symptoms.

^c The denominator in this subgroup was less than 50.

**Table 28: Cardiovascular Disease
2007 Michigan BRFSS**

Demographic Characteristics	Ever Told Heart Attack ^a		Ever Told Angina or Coronary Heart Disease ^b		Ever Told Stroke ^c	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	4.8	(4.4 - 5.4)	4.9	(4.5 - 5.5)	2.8	(2.4 - 3.2)
Age						
18 - 34	0.4	(0.1 - 1.1)	0.2	(0.1 - 0.9)	1.2	(0.6 - 2.5)
35 - 44	2.1	(1.3 - 3.4)	1.2	(0.6 - 2.2)	0.6	(0.3 - 1.3)
45 - 54	2.7	(1.9 - 3.7)	3.1	(2.2 - 4.3)	1.8	(1.2 - 2.7)
55 - 64	7.8	(6.3 - 9.7)	9.4	(7.8 - 11.4)	3.3	(2.4 - 4.4)
65 - 74	13.6	(11.3 - 16.3)	13.7	(11.4 - 16.4)	6.0	(4.6 - 7.9)
75 +	18.4	(15.8 - 21.2)	18.7	(16.2 - 21.5)	11.4	(9.3 - 13.8)
Gender						
Male	6.3	(5.5 - 7.3)	5.8	(5.0 - 6.8)	2.6	(2.0 - 3.4)
Female	3.5	(3.0 - 4.0)	4.1	(3.6 - 4.7)	2.9	(2.5 - 3.5)
Race/Ethnicity						
White non-Hispanic	4.6	(4.1 - 5.2)	5.1	(4.6 - 5.7)	2.3	(2.0 - 2.8)
Black non-Hispanic	5.0	(3.8 - 6.7)	3.9	(2.8 - 5.4)	5.2	(3.8 - 7.0)
Other non-Hispanic	8.9	(6.0 - 13.0)	5.6	(3.8 - 8.4)	2.5	(1.3 - 4.8)
Hispanic	1.9	(0.7 - 4.9)	2.4	(0.9 - 6.1)	3.4	(0.7 - 15.0)
Education						
Less than high school	9.3	(7.2 - 12.0)	7.0	(5.2 - 9.3)	5.7	(4.0 - 8.1)
High school graduate	5.8	(4.8 - 6.9)	6.1	(5.2 - 7.3)	4.0	(3.1 - 5.2)
Some college	4.2	(3.5 - 5.2)	4.7	(3.9 - 5.6)	2.3	(1.8 - 3.1)
College graduate	3.3	(2.6 - 4.2)	3.4	(2.7 - 4.3)	1.3	(0.9 - 1.8)
Household Income						
< \$20,000	8.3	(6.7 - 10.2)	8.0	(6.5 - 9.9)	6.8	(5.3 - 8.6)
\$20,000 - \$34,999	7.8	(6.4 - 9.4)	7.2	(5.9 - 8.7)	4.7	(3.4 - 6.5)
\$35,000 - \$49,999	4.2	(3.0 - 5.8)	5.0	(3.9 - 6.4)	2.1	(1.4 - 3.2)
\$50,000 - \$74,999	2.8	(2.0 - 4.0)	3.3	(2.4 - 4.7)	1.1	(0.7 - 1.8)
\$75,000 +	2.5	(1.8 - 3.4)	2.7	(2.0 - 3.6)	0.9	(0.6 - 1.4)

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

^a they had a heart attack or myocardial infarction;

^b they had angina or coronary heart disease;

^c they had a stroke.

Table 29: Diabetes 2007 Michigan BRFSS		
Demographic Characteristics	Ever Told Diabetes^a	
	%	95% Confidence Interval
Total	9.0	(8.3 - 9.7)
Age		
18 – 24	0.9	(0.3 - 2.6)
25 – 34	1.8	(0.9 - 3.4)
35 – 44	5.0	(3.6 - 6.9)
45 – 54	7.8	(6.4 - 9.5)
55 – 64	16.9	(14.8 - 19.3)
65 – 74	22.0	(19.2 - 25.0)
75 +	20.3	(17.6 - 23.2)
Gender		
Male	9.5	(8.4 - 10.8)
Female	8.5	(7.6 - 9.4)
Race/Ethnicity		
White non-Hispanic	7.8	(7.1 - 8.5)
Black non-Hispanic	14.8	(12.3 - 17.8)
Other non-Hispanic	11.6	(8.1 - 16.3)
Hispanic	9.0	(4.9 - 16.1)
Education		
Less than high school	12.6	(9.9 - 15.9)
High school graduate	11.2	(9.8 - 12.7)
Some college	9.0	(7.8 - 10.4)
College graduate	5.8	(4.8 - 7.0)
Household Income		
< \$20,000	16.3	(13.8 - 19.1)
\$20,000 - \$34,999	11.4	(9.6 - 13.4)
\$35,000 - \$49,999	8.2	(6.7 - 10.1)
\$50,000 - \$74,999	8.0	(6.4 - 10.0)
\$75,000 +	4.6	(3.6 - 5.9)
^a 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.		

Table 30: Osteoporosis 2007 Michigan BRFSS		
Demographic Characteristics	Ever Told Osteoporosis^a	
	%	95% Confidence Interval
Total	4.7	(4.1 - 5.5)
Age		
18 – 24	0.0	---
25 – 34	0.0	---
35 – 44	0.4	(0.1 - 1.1)
45 – 54	3.8	(2.5 - 5.8)
55 – 64	8.1	(6.1 - 10.8)
65 – 74	12.9	(9.7 - 17.0)
75+	18.7	(15.2 - 22.8)
Gender		
Male	0.8	(0.4 - 1.5)
Female	10.2	(8.9 - 11.8)
Race/Ethnicity		
White non-Hispanic	5.2	(4.4 - 6.0)
Black non-Hispanic	2.1	(1.2 - 3.5)
Other non-Hispanic	2.6	(0.9 - 7.2)
Hispanic	6.6	(2.8 - 15.0)
Education		
Less than high school	3.6	(2.0 - 6.5)
High school graduate	6.4	(5.1 - 8.1)
Some college	4.8	(3.6 - 6.3)
College graduate	3.4	(2.5 - 4.6)
Household Income		
< \$20,000	8.0	(5.7 - 11.0)
\$20,000 - \$34,999	5.4	(3.9 - 7.3)
\$35,000 - \$49,999	4.9	(3.3 - 7.1)
\$50,000 - \$74,999	2.7	(1.6 - 4.6)
\$75,000 +	2.2	(1.5 - 3.4)

^a The proportion who reported that they were ever told by a health care professional that they have osteoporosis.