

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

Selected Tables

**Behavioral Risk Factor Survey
2008**

Division of Genomics, Perinatal Health, and Chronic Disease Epidemiology
Bureau of Epidemiology
Michigan Department of Community Health

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Introduction

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

For the 2008 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 9,447. This included three splits of state-added questions with sample sizes of 3,160, 3,277, and 3,010, 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: Health Status 2008 Michigan BRFSS		
Demographic Characteristics	General Health, Fair or Poor^a	
	%	95% Confidence Interval
Total	14.5	(13.6-15.4)
Age		
18 – 24	7.2	(4.7-10.9)
25 – 34	8.6	(6.5-11.3)
35 – 44	10.7	(8.9-12.8)
45 – 54	14.7	(13.0-16.6)
55 – 64	18.6	(16.8-20.6)
65 – 74	21.4	(19.2-23.8)
75 +	29.4	(26.7-32.3)
Gender		
Male	14.2	(12.9-15.7)
Female	14.7	(13.7-15.8)
Race/Ethnicity		
White non-Hispanic	12.8	(11.9-13.7)
Black non-Hispanic	20.2	(17.4-23.3)
Other non-Hispanic	23.6	(18.3-29.9)
Hispanic	14.1	(8.9-21.6)
Education		
Less than high school	33.0	(28.5-37.9)
High school graduate	17.9	(16.3-19.7)
Some college	14.4	(12.8-16.1)
College graduate	7.2	(6.2-8.3)
Household Income		
< \$20,000	32.7	(29.2-36.5)
\$20,000 - \$34,999	20.7	(18.5-23.1)
\$35,000 - \$49,999	13.5	(11.4-15.9)
\$50,000 - \$74,999	7.2	(5.8-8.8)
\$75,000 +	5.0	(4.0-6.2)
^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
2008 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	10.7	(10.0-11.5)	10.6	(9.8-11.4)	7.0	(6.4-7.6)
Age						
18 – 24	4.4	(2.5-7.9)	11.5	(8.4-15.5)	4.1	(2.4-6.9)
25 – 34	5.3	(3.7-7.3)	12.4	(9.9-15.4)	3.7	(2.4-5.6)
35 – 44	9.1	(7.5-11.0)	12.1	(10.3-14.2)	6.7	(5.3-8.5)
45 – 54	13.9	(12.2-15.7)	12.0	(10.5-13.7)	9.1	(7.7-10.7)
55 – 64	13.9	(12.3-15.6)	8.7	(7.5-10.1)	9.0	(7.6-10.5)
65 – 74	13.8	(12.0-15.9)	6.6	(5.4-8.0)	7.9	(6.6-9.5)
75 +	18.6	(16.3-21.2)	6.0	(4.6-7.6)	8.6	(7.0-10.6)
Gender						
Male	10.2	(9.0-11.5)	8.1	(7.0-9.3)	6.2	(5.3-7.2)
Female	11.2	(10.3-12.2)	12.9	(11.7-14.1)	7.7	(6.9-8.5)
Race/Ethnicity						
White non-Hispanic	10.3	(9.5-11.2)	9.9	(9.0-10.8)	6.1	(5.5-6.7)
Black non-Hispanic	10.8	(8.9-13.0)	12.9	(10.5-15.7)	10.6	(8.4-13.3)
Other non-Hispanic	16.6	(12.0-22.7)	15.3	(11.0-21.0)	9.9	(7.0-13.7)
Hispanic	8.6	(4.8-15.0)	8.7	(5.1-14.7)	8.2	(4.4-14.8)
Education						
Less than high school	20.4	(16.7-24.7)	17.5	(13.7-22.0)	16.0	(12.6-20.0)
High school graduate	11.8	(10.5-13.2)	10.5	(9.2-12.1)	7.7	(6.6-9.1)
Some college	12.0	(10.6-13.7)	12.2	(10.7-13.9)	7.5	(6.4-8.7)
College graduate	6.5	(5.6-7.6)	7.5	(6.3-8.9)	3.9	(3.2-4.8)
Household Income						
< \$20,000	22.6	(19.7-25.7)	21.7	(18.6-25.1)	18.6	(15.8-21.7)
\$20,000 - \$34,999	14.5	(12.5-16.7)	13.4	(11.4-15.7)	8.8	(7.3-10.6)
\$35,000 - \$49,999	8.3	(6.7-10.2)	8.3	(6.6-10.3)	4.7	(3.6-6.2)
\$50,000 - \$74,999	7.8	(6.3-10.2)	5.8	(4.5-7.4)	4.1	(3.1-5.6)
\$75,000 +	5.6	(4.6-6.8)	7.1	(5.7-8.7)	3.3	(2.5-4.4)

^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
2008 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	(3.4-3.8)	3.5	(3.3-3.7)	2.2	(2.1-2.4)
Age						
18 - 24	2.1	(1.5-2.6)	4.3	(3.5-5.0)	1.5	(1.0-2.0)
25 - 34	2.3	(1.9-2.8)	4.1	(3.5-4.7)	1.5	(1.1-1.9)
35 - 44	3.1	(2.7-3.5)	3.9	(3.4-4.4)	2.1	(1.7-2.5)
45 - 54	4.2	(3.8-4.7)	3.9	(3.5-4.3)	2.8	(2.4-3.2)
55 - 64	4.4	(4.0-4.9)	2.9	(2.6-3.3)	2.7	(2.4-3.1)
65 - 74	4.3	(3.8-4.7)	2.2	(1.8-2.5)	2.3	(1.9-2.6)
75 +	5.6	(4.9-6.2)	2.0	(1.6-2.4)	2.7	(2.2-3.2)
Gender						
Male	3.4	(3.1-3.7)	2.7	(2.4-3.0)	2.0	(1.8-2.3)
Female	3.8	(3.5-4.0)	4.3	(4.0-4.6)	2.4	(2.2-2.6)
Race/Ethnicity						
White non-Hispanic	3.5	(3.3-3.7)	3.3	(3.1-3.6)	2.0	(1.8-2.1)
Black non-Hispanic	3.6	(3.1-4.1)	4.2	(3.6-4.8)	3.2	(2.6-3.8)
Other non-Hispanic	5.2	(4.1-6.3)	4.7	(3.6-5.8)	3.1	(2.2-4.0)
Hispanic	2.7	(1.8-3.7)	3.5	(2.2-4.7)	2.6	(1.3-4.0)
Education						
Less than high school	6.1	(5.1-7.2)	5.2	(4.2-6.2)	4.7	(3.7-5.6)
High school graduate	3.9	(3.5-4.2)	3.7	(3.3-4.0)	2.3	(2.0-2.6)
Some college	3.8	(3.5-4.2)	3.9	(3.5-4.3)	2.4	(2.1-2.7)
College graduate	2.5	(2.2-2.8)	2.7	(2.4-3.0)	1.5	(1.3-1.7)
Household Income						
< \$20,000	6.9	(6.2-7.7)	6.4	(5.6-7.1)	5.4	(4.7-6.2)
\$20,000 - \$34,999	4.6	(4.0-5.1)	4.3	(3.8-4.8)	2.6	(2.2-3.1)
\$35,000 - \$49,999	3.1	(2.6-3.5)	2.9	(2.5-3.3)	1.7	(1.4-2.1)
\$50,000 - \$74,999	2.8	(2.4-3.2)	2.4	(2.0-2.7)	1.5	(1.2-1.8)
\$75,000 +	2.0	(1.8-2.3)	2.6	(2.3-2.9)	1.2	(1.0-1.5)

^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 2008 Michigan BRFSS		
Demographic Characteristics	Dissatisfied or Very Dissatisfied With Life^a	
	%	95% Confidence Interval
Total	6.0	(5.3-6.6)
Age		
18 – 24	6.0	(3.9-9.1)
25 – 34	7.6	(5.6-10.2)
35 – 44	5.9	(4.6-7.5)
45 – 54	7.6	(6.4-9.0)
55 – 64	4.7	(3.8-5.8)
65 – 74	3.2	(2.4-4.3)
75 +	3.5	(2.6-4.7)
Gender		
Male	6.4	(5.4-7.5)
Female	5.6	(4.8-6.4)
Race/Ethnicity		
White non-Hispanic	5.1	(4.5-5.8)
Black non-Hispanic	9.9	(7.8-12.6)
Other non-Hispanic	8.6	(5.3-13.6)
Hispanic	7.2	(3.2-15.2)
Education		
Less than high school	10.9	(7.9-14.7)
High school graduate	7.3	(6.1-8.8)
Some college	6.0	(4.9-7.3)
College graduate	3.7	(2.9-4.6)
Household Income		
< \$20,000	16.4	(13.6-19.6)
\$20,000 - \$34,999	9.0	(7.2-11.2)
\$35,000 - \$49,999	4.2	(3.0-5.9)
\$50,000 - \$74,999	3.5	(2.4-5.0)
\$75,000 +	1.7	(1.2-2.5)

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

Table 5: Social and Emotional Support 2008 Michigan BRFSS		
Demographic Characteristics	Rarely or Never Receive the Social and Emotional Support that is Needed^a	
	%	95% Confidence Interval
Total	6.7	(6.1-7.4)
Age		
18 – 24	5.5	(3.4-8.6)
25 – 34	5.0	(3.4-7.2)
35 – 44	5.5	(4.2-7.3)
45 – 54	6.1	(5.0-7.4)
55 – 64	6.4	(5.2-7.7)
65 – 74	8.4	(6.8-10.2)
75 +	15.1	(13.0-17.5)
Gender		
Male	7.9	(6.9-9.1)
Female	5.6	(4.9-6.4)
Race/Ethnicity		
White non-Hispanic	5.4	(4.8-6.0)
Black non-Hispanic	10.7	(8.4-13.4)
Other non-Hispanic	12.0	(8.4-16.9)
Hispanic	15.0	(9.0-23.9)
Education		
Less than high school	17.8	(14.3-21.8)
High school graduate	8.9	(7.5-10.4)
Some college	5.9	(4.9-7.0)
College graduate	3.2	(2.4-4.1)
Household Income		
< \$20,000	15.9	(13.2-19.0)
\$20,000 - \$34,999	10.1	(8.4-12.1)
\$35,000 - \$49,999	6.1	(4.6-8.2)
\$50,000 - \$74,999	3.1	(2.2-4.3)
\$75,000 +	2.6	(1.9-3.4)
^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?"		

Table 6: Disability 2008 Michigan BRFSS						
Demographic Characteristics	Total Disability^a		Any Activity Limitation^b		Used Special Equipment^c	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	24.5	(23.4-25.6)	22.7	(21.6-23.8)	7.8	(7.2-8.4)
Age						
18 - 24	12.8	(9.3-17.4)	12.4	(9.0-17.0)	1.3	(0.6-3.0)
25 - 34	13.3	(10.8-16.2)	12.0	(9.6-14.8)	3.1	(2.0-4.9)
35 - 44	18.7	(16.3-21.3)	17.7	(15.4-20.3)	4.1	(3.1-5.5)
45 - 54	26.2	(24.1-28.5)	24.9	(22.8-27.1)	8.1	(6.9-9.6)
55 - 64	34.4	(32.1-36.8)	32.6	(30.3-35.0)	10.0	(8.6-11.6)
65 - 74	34.2	(31.5-36.9)	31.8	(29.2-34.5)	11.8	(10.2-13.7)
75 +	45.2	(42.2-48.2)	37.5	(34.6-40.5)	26.3	(23.8-29.0)
Gender						
Male	23.0	(21.4-24.7)	21.0	(19.4-22.6)	7.5	(6.6-8.5)
Female	25.9	(24.6-27.3)	24.3	(23.0-25.7)	8.1	(7.4-8.8)
Race/Ethnicity						
White non-Hispanic	24.2	(23.1-25.4)	22.4	(21.3-23.5)	7.1	(6.5-7.8)
Black non-Hispanic	25.3	(22.0-28.9)	23.5	(20.3-27.0)	10.1	(8.5-12.1)
Other non-Hispanic	29.7	(24.0-36.2)	28.3	(22.6-34.7)	9.7	(7.1-13.2)
Hispanic	17.3	(11.9-24.5)	15.7	(10.6-22.6)	8.4	(4.8-14.2)
Education						
Less than high school	38.1	(33.0-43.5)	34.4	(29.5-39.8)	14.4	(11.7-17.7)
High school graduate	24.9	(23.1-26.8)	23.0	(21.3-24.9)	8.0	(7.1-9.1)
Some college	25.9	(23.8-28.1)	24.1	(22.0-26.2)	8.5	(7.4-9.7)
College graduate	19.8	(18.2-21.6)	18.4	(16.8-20.1)	5.6	(4.8-6.5)
Household Income						
< \$20,000	40.9	(37.1-44.8)	38.3	(34.6-42.2)	15.4	(13.4-17.5)
\$20,000 - \$34,999	30.1	(27.4-33.0)	27.3	(24.7-30.0)	11.5	(9.8-13.4)
\$35,000 - \$49,999	22.3	(19.8-25.0)	20.7	(18.2-23.3)	6.7	(5.4-8.4)
\$50,000 - \$74,999	18.4	(16.1-20.9)	17.1	(14.9-19.6)	4.1	(3.0-5.4)
\$75,000 +	16.8	(15.0-18.8)	15.7	(13.9-17.6)	3.5	(2.8-4.5)

^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
2008 Michigan BRFSS**

Demographic Characteristics	Obese ^a		Overweight ^b		Not Overweight or Obese ^c	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	30.1	(28.8-31.4)	35.2	(33.9-36.5)	34.7	(33.3-36.1)
Age						
18 - 24	21.1	(16.6-26.3)	22.0	(17.5-27.3)	57.0	(51.0-62.7)
25 - 34	28.0	(24.1-32.1)	32.4	(28.5-36.5)	39.6	(35.5-44.0)
35 - 44	34.6	(31.5-37.8)	35.1	(32.0-38.4)	30.3	(27.5-33.2)
45 - 54	31.9	(29.5-34.4)	39.2	(36.6-41.9)	28.9	(26.7-31.3)
55 - 64	35.5	(33.1-38.0)	38.5	(36.1-41.1)	26.0	(23.9-28.2)
65 - 74	33.8	(31.0-36.6)	41.8	(38.9-44.7)	24.5	(22.1-27.0)
75 +	21.1	(18.6-23.8)	37.8	(34.8-40.8)	41.1	(38.1-44.2)
Gender						
Male	31.5	(29.5-33.5)	40.9	(38.8-43.0)	27.6	(25.6-29.7)
Female	28.7	(27.2-30.4)	29.5	(28.0-31.1)	41.8	(40.0-43.5)
Race/Ethnicity						
White non-Hispanic	28.8	(27.5-30.2)	35.7	(34.2-37.1)	35.5	(34.0-37.0)
Black non-Hispanic	39.8	(35.6-44.3)	33.8	(29.9-38.0)	26.3	(22.6-30.4)
Other non-Hispanic	28.6	(22.6-35.4)	30.5	(24.4-37.4)	40.9	(33.9-48.3)
Hispanic	23.7	(16.5-32.9)	38.4	(29.2-48.5)	37.9	(28.5-48.3)
Education						
Less than high school	33.4	(28.4-38.8)	34.3	(29.4-39.6)	32.3	(27.1-37.9)
High school graduate	31.2	(28.9-33.5)	33.7	(31.4-36.0)	35.2	(32.6-37.8)
Some college	33.4	(31.0-35.9)	35.9	(33.4-38.5)	30.7	(28.2-33.2)
College graduate	25.2	(23.2-27.4)	36.2	(33.9-38.5)	38.6	(36.3-40.9)
Household Income						
< \$20,000	37.5	(33.6-41.5)	27.7	(24.3-31.4)	34.9	(30.8-39.2)
\$20,000 - \$34,999	32.1	(29.1-35.3)	35.7	(32.6-38.9)	32.2	(29.1-35.5)
\$35,000 - \$49,999	32.4	(29.1-36.0)	37.1	(33.7-40.7)	30.5	(27.1-34.0)
\$50,000 - \$74,999	31.9	(28.8-35.1)	36.9	(33.7-40.2)	31.2	(28.1-34.5)
\$75,000 +	25.2	(22.9-27.6)	38.0	(35.3-40.7)	36.8	(34.2-39.6)

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
2008 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	13.7	(12.6-14.9)	11.6	(10.6-12.6)	12.3	(11.4-13.3)
Age						
18 - 24	21.4	(16.9-26.6)	22.6	(18.2-27.7)	14.5	(10.9-19.0)
25 - 34	19.1	(16.0-22.6)	18.8	(15.7-22.3)	17.2	(14.3-20.6)
35 - 44	11.3	(9.4-13.5)	12.2	(10.3-14.4)	13.9	(11.9-16.2)
45 - 54	10.7	(9.2-12.4)	9.1	(7.7-10.8)	14.0	(12.3-15.9)
55 - 64	8.8	(7.5-10.3)	6.1	(5.0-7.4)	9.4	(8.1-10.9)
65 - 74	---	---	5.2	(4.0-6.6)	5.5	(4.3-6.9)
75 +	---	---	2.5	(1.8-3.6)	3.9	(2.9-5.3)
Gender						
Male	15.5	(13.7-17.5)	14.9	(13.3-16.6)	10.7	(9.3-12.2)
Female	11.9	(10.7-13.4)	8.5	(7.5-9.6)	13.8	(12.6-15.1)
Race/Ethnicity						
White non-Hispanic	12.6	(11.3-13.9)	10.4	(9.4-11.5)	10.3	(9.4-11.2)
Black non-Hispanic	18.9	(15.4-22.9)	16.3	(13.3-19.9)	18.1	(15.1-21.6)
Other non-Hispanic	14.8	(10.5-20.6)	16.0	(11.5-21.7)	24.0	(18.3-30.7)
Hispanic	18.3	(11.7-27.4)	14.6	(8.7-23.4)	18.6	(12.0-27.7)
Education						
Less than high school	29.4	(23.1-36.6)	15.7	(12.0-20.2)	23.0	(18.2-28.6)
High school graduate	20.5	(18.0-23.2)	13.5	(11.7-15.5)	13.9	(12.2-15.7)
Some college	12.5	(10.6-14.6)	11.8	(10.1-13.7)	13.6	(11.9-15.4)
College graduate	6.4	(5.2-7.8)	8.8	(7.5-10.4)	7.2	(6.1-8.5)
Household Income						
< \$20,000	33.4	(28.7-38.5)	20.0	(16.7-23.8)	27.3	(23.7-31.2)
\$20,000 - \$34,999	24.2	(20.7-28.1)	13.9	(11.7-16.5)	19.7	(17.2-22.4)
\$35,000 - \$49,999	14.2	(11.4-17.6)	10.0	(7.9-12.8)	13.0	(10.5-15.9)
\$50,000 - \$74,999	5.8	(4.2-8.0)	9.2	(7.2-11.7)	6.8	(5.4-8.5)
\$75,000 +	4.0	(2.9-5.5)	7.5	(6.0-9.3)	4.2	(3.2-5.6)

^a Among those aged 18-64 (n = 6,436), 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 and Medicare Coverage 2008 Michigan BRFSS						
Demographic Characteristics	Medicaid Only^a		Medicare Only^b		Both Medicaid and Medicare^c	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	4.6	(4.0-5.3)	18.2	(17.4-19.0)	2.8	(2.5-3.2)
Age						
18 - 24	12.5	(9.0-17.2)	5.4	(3.3-8.9)	0.6	(0.2-2.4)
25 - 34	5.8	(4.3-7.8)	2.6	(1.5-4.4)	1.3	(0.6-2.5)
35 - 44	4.5	(3.4-6.1)	2.1	(1.4-3.1)	1.6	(0.9-2.8)
45 - 54	3.2	(2.4-4.2)	4.2	(3.3-5.4)	2.0	(1.5-2.8)
55 - 64	2.3	(1.6-3.2)	8.8	(7.6-10.3)	2.5	(1.8-3.4)
65 - 74	2.2	(1.4-3.4)	83.8	(81.5-85.9)	7.9	(6.5-9.7)
75 +	1.8	(1.2-2.8)	85.1	(82.8-87.1)	9.2	(7.6-11.1)
Gender						
Male	3.1	(2.4-4.0)	16.2	(15.0-17.5)	2.8	(2.3-3.4)
Female	6.0	(5.0-7.0)	19.9	(18.9-21.0)	2.9	(2.5-3.4)
Race/Ethnicity						
White non-Hispanic	3.2	(2.6-3.9)	18.8	(17.9-19.8)	2.4	(2.0-2.7)
Black non-Hispanic	11.0	(8.4-14.3)	16.1	(14.0-18.5)	4.7	(3.6-6.1)
Other non-Hispanic	9.5	(6.1-14.4)	14.3	(11.1-18.1)	3.6	(1.8-6.9)
Hispanic	5.6	(2.6-11.4)	12.9	(7.8-20.8)	4.4	(1.6-11.2)
Education						
Less than high school	17.3	(12.7-23.0)	30.1	(25.8-34.8)	6.5	(5.0-8.6)
High school graduate	5.2	(4.1-6.6)	24.5	(22.8-26.3)	3.8	(3.1-4.7)
Some college	4.5	(3.5-5.7)	14.2	(12.9-15.5)	3.0	(2.3-3.8)
College graduate	1.5	(1.0-2.4)	13.7	(12.5-14.9)	1.0	(0.7-1.5)
Household Income						
< \$20,000	17.1	(14.0-20.7)	27.4	(24.4-30.7)	8.8	(7.2-10.7)
\$20,000 - \$34,999	6.6	(4.9-8.8)	28.1	(25.7-30.6)	4.4	(3.3-5.9)
\$35,000 - \$49,999	3.4	(2.0-5.6)	18.9	(16.8-21.2)	1.3	(0.8-2.0)
\$50,000 - \$74,999	0.8	(0.4-1.8)	11.0	(9.4-12.9)	1.0	(0.6-1.5)
\$75,000 +	0.1	(0.0-0.5)	6.6	(5.6-7.8)	0.4	(0.2-0.7)

^a Among all respondents, the proportion who reported that they currently have Medicaid health care coverage, but not Medicare.

^b Among all respondents, the proportion who reported that they currently have Medicare health care coverage, but not Medicaid.

^c Among all respondents, the proportion who reported that they currently have both Medicaid and Medicare health care coverage.

Table 10: No Leisure-Time Physical Activity 2008 Michigan BRFSS		
Demographic Characteristics	No Leisure-Time Physical Activity^a	
	%	95% Confidence Interval
Total	25.1	(24.0-26.3)
Age		
18 – 24	18.1	(14.0-23.1)
25 – 34	21.7	(18.3-25.6)
35 – 44	24.4	(21.8-27.3)
45 – 54	24.5	(22.4-26.7)
55 – 64	25.2	(23.2-27.4)
65 – 74	29.5	(27.0-32.2)
75 +	40.1	(37.1-43.1)
Gender		
Male	22.5	(20.8-24.3)
Female	27.5	(26.1-29.0)
Race/Ethnicity		
White non-Hispanic	23.6	(22.4-24.9)
Black non-Hispanic	30.3	(26.7-34.2)
Other non-Hispanic	30.9	(24.5-38.1)
Hispanic	29.2	(21.1-38.9)
Education		
Less than high school	39.8	(34.7-45.2)
High school graduate	31.9	(29.8-34.2)
Some college	23.5	(21.5-25.7)
College graduate	16.7	(15.0-18.6)
Household Income		
< \$20,000	37.3	(33.6-41.1)
\$20,000 - \$34,999	35.0	(31.9-38.1)
\$35,000 - \$49,999	24.4	(21.5-27.5)
\$50,000 - \$74,999	20.2	(17.7-22.9)
\$75,000 +	14.7	(12.9-16.7)
^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
2008 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	(47.5-51.2)	61.4	(59.6-63.2)	70.1	(68.3-71.8)
Age						
18 - 24	40.8	(33.6-48.3)	57.2	(49.8-64.3)	54.4	(47.0-61.6)
25 - 34	49.0	(43.8-54.3)	61.3	(56.0-66.3)	67.3	(62.2-72.0)
35 - 44	46.7	(42.7-50.7)	61.9	(58.0-65.6)	67.0	(63.1-70.6)
45 - 54	47.6	(44.3-50.9)	59.3	(56.1-62.5)	71.3	(68.2-74.1)
55 - 64	52.3	(49.1-55.5)	61.2	(58.1-64.3)	76.2	(73.4-78.8)
65 - 74	57.9	(54.2-61.5)	66.4	(62.9-69.8)	80.1	(77.1-82.8)
75 +	64.0	(60.1-67.7)	69.3	(65.5-72.9)	87.3	(84.4-89.7)
Gender						
Male	47.8	(45.1-50.6)	61.5	(58.8-64.2)	65.7	(62.9-68.3)
Female	50.7	(48.2-53.1)	61.3	(58.9-63.6)	73.9	(71.5-76.1)
Race/Ethnicity						
White/Non-Hispanic	48.1	(46.1-50.1)	59.7	(57.7-61.7)	69.6	(67.7-71.5)
Black/Non-Hispanic	53.7	(48.1-59.1)	69.6	(64.2-74.5)	71.3	(65.9-76.1)
Other/Non-Hispanic	52.1	(43.1-61.0)	62.4	(53.3-70.7)	72.1	(62.8-79.8)
Hispanic	63.0	(49.7-74.6)	72.7	(60.5-82.2)	72.3	(59.0-82.5)
Education						
Less than high school	52.4	(44.6-60.1)	64.4	(56.6-71.6)	76.0	(68.0-82.5)
High school graduate	50.3	(46.9-53.7)	60.4	(57.0-63.7)	71.7	(68.3-74.8)
Some college	50.6	(47.2-54.0)	63.2	(59.9-66.4)	70.1	(66.6-73.3)
College graduate	46.6	(43.7-49.6)	59.8	(56.8-62.6)	67.3	(64.5-70.0)
Household Income						
$< \$20,000$	56.9	(51.4-62.2)	64.1	(58.7-69.2)	76.1	(70.6-80.9)
$\$20,000 - \$34,999$	53.4	(48.9-57.9)	63.7	(59.1-68.0)	73.9	(69.2-78.1)
$\$35,000 - \$49,999$	49.6	(45.0-54.2)	62.8	(58.3-67.0)	70.3	(65.7-74.5)
$\$50,000 - \$74,999$	43.6	(39.4-47.8)	56.6	(52.3-60.8)	66.2	(61.8-70.2)
$\$75,000 +$	44.2	(40.7-47.8)	59.2	(55.7-62.6)	63.8	(60.3-67.2)

^a Among adult respondents (n = 5,701), 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 Among adult respondents (n = 5,869), 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 Among adult respondents (n = 5,682), 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: Inadequate Fruit and Vegetable Consumption 2008 Michigan BRFSS		
Demographic Characteristics	Fruits and Vegetables^a (< 5 times / day)	
	%	95% Confidence Interval
Total	78.3	(76.9-79.7)
Age		
18 - 24	85.2	(79.3-89.7)
25 - 34	79.7	(75.4-83.4)
35 - 44	81.0	(77.8-83.8)
45 - 54	78.5	(75.8-81.0)
55 - 64	74.5	(71.7-77.1)
65 - 74	73.8	(70.5-76.8)
75 +	68.1	(64.5-71.4)
Gender		
Male	84.0	(82.1-85.8)
Female	73.4	(71.3-75.3)
Race/Ethnicity		
White/Non-Hispanic	78.9	(77.3-80.3)
Black/Non-Hispanic	76.9	(72.5-80.7)
Other/Non-Hispanic	74.2	(66.5-80.7)
Hispanic	76.2	(63.6-85.5)
Education		
Less than high school	80.5	(74.2-85.6)
High school graduate	83.8	(81.4-85.9)
Some college	77.3	(74.5-79.8)
College graduate	73.5	(71.0-75.8)
Household Income		
< \$20,000	75.2	(70.6-79.3)
\$20,000 - \$34,999	79.2	(75.4-82.6)
\$35,000 - \$49,999	78.3	(74.5-81.7)
\$50,000 - \$74,999	77.8	(74.4-80.9)
\$75,000 +	77.3	(74.4-80.0)
^a The proportion whose total reported consumption of fruits (including juice) and vegetables was less than five times per day.		

**Table 13: Cigarette Smoking
2008 Michigan BRFSS**

Demographic Characteristics	Current Smoking ^a		Former Smoking ^b		Never Smoked	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	20.2	(19.1-21.4)	25.5	(24.5-26.6)	54.3	(52.9-55.6)
Age						
18 – 24	23.2	(18.8-28.4)	6.3	(3.9-10.1)	70.5	(64.9-75.4)
25 – 34	28.0	(24.5-31.9)	16.8	(14.0-19.9)	55.2	(51.0-59.3)
35 – 44	23.0	(20.4-25.8)	18.9	(16.5-21.5)	58.1	(54.9-61.2)
45 – 54	22.9	(20.7-25.1)	28.0	(25.7-30.4)	49.2	(46.6-51.8)
55 – 64	16.3	(14.5-18.1)	37.4	(35.0-39.8)	46.4	(43.9-48.9)
65 – 74	9.4	(7.9-11.2)	44.8	(41.9-47.6)	45.8	(43.0-48.7)
75 +	5.4	(4.1-6.9)	40.5	(37.5-43.6)	54.1	(51.1-57.2)
Gender						
Male	22.3	(20.5-24.3)	28.6	(26.8-30.4)	49.1	(46.9-51.3)
Female	18.2	(16.9-19.6)	22.7	(21.5-24.1)	59.1	(57.4-60.7)
Race/Ethnicity						
White non-Hispanic	19.0	(17.8-20.3)	27.4	(26.2-28.7)	53.5	(52.0-55.0)
Black non-Hispanic	21.1	(18.0-24.6)	16.9	(14.3-19.9)	62.0	(58.0-65.9)
Other non-Hispanic	30.0	(23.9-37.0)	21.5	(17.1-26.7)	48.5	(41.5-55.5)
Hispanic	29.3	(21.2-38.9)	18.7	(12.8-26.7)	51.9	(42.3-61.4)
Education						
Less than high school	41.1	(35.7-46.7)	21.9	(18.0-26.5)	37.0	(31.7-42.6)
High school graduate	26.5	(24.3-28.9)	26.3	(24.3-28.3)	47.2	(44.7-49.7)
Some college	19.4	(17.5-21.6)	27.1	(25.1-29.2)	53.5	(50.9-56.0)
College graduate	10.3	(8.9-11.8)	24.0	(22.3-25.9)	65.7	(63.5-67.8)
Household Income						
< \$20,000	31.1	(27.5-35.0)	22.4	(19.3-25.8)	46.5	(42.4-50.7)
\$20,000 - \$34,999	25.0	(22.3-27.9)	27.4	(24.9-30.1)	47.6	(44.3-50.9)
\$35,000 - \$49,999	21.4	(18.5-24.7)	29.4	(26.4-32.4)	49.2	(45.6-52.8)
\$50,000 - \$74,999	17.3	(14.8-20.1)	26.6	(23.9-29.5)	56.1	(52.8-59.4)
\$75,000 +	13.8	(11.9-15.9)	24.6	(22.5-26.9)	61.5	(58.9-64.1)

^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 14: Quit Attempts among Current Smokers
2008 Michigan BRFSS**

Demographic Characteristics	Tried to Quit Smoking One Day or Longer in Past Year ^a	
	%	95% Confidence Interval
Total	58.0	(54.8-61.1)
Age		
18 – 24	59.4	(47.5-70.2)
25 – 34	59.3	(51.4-66.7)
35 – 44	63.8	(57.2-69.9)
45 – 54	51.8	(46.3-57.2)
55 – 64	60.6	(54.6-66.4)
65 – 74	52.9	(44.0-61.7)
75 +	47.5	(34.7-60.6)
Gender		
Male	55.6	(50.7-60.3)
Female	60.8	(56.7-64.7)
Race/Ethnicity		
White non-Hispanic	55.7	(52.0-59.3)
Black non-Hispanic	61.6	(52.9-69.5)
Other non-Hispanic	69.9	(58.0-79.6)
Hispanic	62.7	(44.8-77.6)
Education		
Less than high school	52.4	(43.5-61.2)
High school graduate	57.6	(52.4-62.6)
Some college	61.5	(55.8-66.9)
College graduate	57.2	(49.6-64.5)
Household Income		
< \$20,000	59.0	(51.8-65.8)
\$20,000 - \$34,999	55.5	(48.9-61.8)
\$35,000 - \$49,999	55.7	(47.2-63.9)
\$50,000 - \$74,999	58.1	(49.4-66.2)
\$75,000 +	62.6	(54.7-69.8)

^a Among current smokers (n = 1,677), the proportion who reported that during the past 12 months, they had tried to quit smoking for one day or longer.

Table 15: Alcohol Consumption 2008 Michigan BRFSS				
Demographic Characteristics	Heavy Drinking^a		Binge Drinking^b	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	5.5	(4.9-6.3)	17.6	(16.5-18.8)
Age				
18 – 24	5.9	(3.5-9.7)	25.3	(20.5-30.7)
25 – 34	7.2	(5.2-9.9)	26.0	(22.5-29.9)
35 – 44	6.2	(4.8-8.1)	24.2	(21.5-27.2)
45 – 54	6.3	(5.2-7.7)	15.9	(14.1-18.0)
55 – 64	4.8	(3.8-5.9)	11.8	(10.3-13.6)
65 – 74	3.9	(3.0-5.2)	6.2	(5.0-7.7)
75 +	1.7	(1.0-2.9)	1.5	(1.0-2.5)
Gender				
Male	6.7	(5.6-8.0)	23.3	(21.4-25.3)
Female	4.5	(3.8-5.3)	12.3	(11.1-13.6)
Race/Ethnicity				
White non-Hispanic	5.8	(5.0-6.6)	18.2	(17.0-19.5)
Black non-Hispanic	2.7	(1.6-4.7)	13.1	(10.2-16.7)
Other non-Hispanic	6.9	(3.6-12.6)	17.0	(11.9-23.8)
Hispanic	10.0	(5.5-17.3)	25.2	(17.7-34.5)
Education				
Less than high school	3.4	(2.1-5.4)	12.3	(8.9-16.7)
High school graduate	6.0	(4.9-7.5)	17.2	(15.3-19.4)
Some college	5.3	(4.2-6.7)	19.4	(17.2-21.8)
College graduate	5.7	(4.6-7.1)	17.3	(15.5-19.3)
Household Income				
< \$20,000	5.2	(3.3-7.9)	14.5	(11.5-18.1)
\$20,000 - \$34,999	6.0	(4.4-8.1)	14.6	(12.2-17.4)
\$35,000 - \$49,999	4.8	(3.5-6.6)	17.6	(14.7-20.9)
\$50,000 - \$74,999	7.9	(6.0-10.4)	20.7	(17.9-23.9)
\$75,000 +	5.8	(4.7-7.3)	22.5	(20.2-25.0)

^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 16: Mean Number of Binge Drinking Occasions during the Past Month among Binge Drinkers 2008 Michigan BRFSS		
Demographic Characteristics	Number of Binge Drinking Occasions^a	
	Mean	95% Confidence Interval
Total	4.2	(3.8-4.5)
Age		
18 – 24	3.4	(2.8-4.1)
25 – 34	4.6	(3.7-5.6)
35 – 44	4.0	(3.3-4.7)
45 – 54	4.2	(3.4-5.0)
55 – 64	4.1	(3.2-5.0)
65 – 74	5.4	(3.5-7.4)
75+	-- ^b	---
Gender		
Male	4.8	(4.3-4.5)
Female	3.0	(2.7-3.3)
Race/Ethnicity		
White non-Hispanic	4.0	(3.6-4.4)
Black non-Hispanic	4.4	(3.3-5.6)
Other non-Hispanic	-- ^b	---
Hispanic	-- ^b	---
Education		
Less than high school	4.6	(3.1-6.0)
High school graduate	4.6	(3.9-5.3)
Some college	4.2	(3.5-4.8)
College graduate	3.6	(3.0-4.2)
Household Income		
< \$20,000	5.0	(3.7-6.3)
\$20,000 - \$34,999	4.5	(3.7-5.4)
\$35,000 - \$49,999	4.2	(3.3-5.1)
\$50,000 - \$74,999	4.9	(3.7-6.0)
\$75,000 +	3.4	(2.9-3.8)
^a Among those who binge drank in the past month (n = 1,173), 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 17: Drove Motor Vehicle After Drinking 2008 Michigan BRFSS		
Demographic Characteristics	Drove Motor Vehicle After Drinking^a	
	%	95% Confidence Interval
Total	2.4	(2.0-2.9)
Age		
18 – 24	2.3	(1.1-4.5)
25 – 34	3.9	(2.4-6.2)
35 – 44	3.0	(2.1-4.2)
45 – 54	2.9	(2.1-4.0)
55 – 64	1.4	(0.9-2.2)
65 – 74	1.2	(0.7-2.0)
75 +	0.3	(0.1-0.8)
Gender		
Male	4.1	(3.3-5.0)
Female	0.9	(0.6-1.3)
Race/Ethnicity		
White non-Hispanic	2.6	(2.1-3.2)
Black non-Hispanic	1.8	(1.0-3.2)
Other non-Hispanic	1.6	(0.7-3.8)
Hispanic	2.0	(0.8-5.4)
Education		
Less than high school	0.6	(0.2-2.0)
High school graduate	2.2	(1.5-3.1)
Some college	2.5	(1.8-3.5)
College graduate	2.9	(2.0-4.0)
Household Income		
< \$20,000	0.5	(0.2-1.1)
\$20,000 - \$34,999	1.8	(1.0-3.2)
\$35,000 - \$49,999	2.3	(1.4-3.7)
\$50,000 - \$74,999	3.1	(2.0-5.0)
\$75,000 +	4.0	(3.0-5.3)
^a Proportion who reported that they had driven when they'd had too much to drink at least once in the previous month.		

Table 18: Seatbelt Use 2008 Michigan BRFSS		
Demographic Characteristics	Always Uses a Seatbelt^a	
	%	95% Confidence Interval
Total	88.6	(87.6-89.6)
Age		
18 – 24	81.5	(76.4-85.6)
25 – 34	86.6	(83.4-89.3)
35 – 44	88.1	(85.8-90.1)
45 – 54	90.3	(88.5-91.8)
55 – 64	92.2	(90.7-93.5)
65 – 74	91.7	(90.0-93.2)
75 +	90.9	(88.9-92.6)
Gender		
Male	84.0	(82.3-85.6)
Female	92.9	(91.9-93.8)
Race/Ethnicity		
White non-Hispanic	89.2	(88.1-90.2)
Black non-Hispanic	86.0	(82.5-88.9)
Other non-Hispanic	89.1	(83.6-92.9)
Hispanic	83.5	(73.9-90.1)
Education		
Less than high school	83.8	(78.8-87.8)
High school graduate	88.6	(86.7-90.3)
Some college	86.5	(84.5-88.4)
College graduate	91.7	(90.3-92.9)
Household Income		
< \$20,000	85.4	(81.8-88.4)
\$20,000 - \$34,999	88.8	(86.3-90.8)
\$35,000 - \$49,999	91.0	(88.7-92.8)
\$50,000 - \$74,999	88.7	(86.2-90.8)
\$75,000 +	88.6	(86.4-90.4)

^a The proportion who reported always using a seatbelt when driving or riding in a car.

Table 19: Inadequate Sleep 2008 Michigan BRFSS				
Demographic Characteristics	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)	28.1	(26.8-29.3)
Age				
18 – 24	10.0	(8.9-11.1)	31.7	(26.6-37.3)
25 – 34	10.9	(10.0-11.8)	35.3	(31.4-39.5)
35 – 44	10.2	(9.5-10.8)	34.6	(31.6-37.7)
45 – 54	9.3	(8.7-9.8)	29.6	(27.3-32.0)
55 – 64	7.2	(6.7-7.7)	22.1	(20.1-24.3)
65 – 74	4.7	(4.2-5.1)	14.5	(12.7-16.6)
75 +	4.2	(3.7-4.8)	13.4	(11.4-15.7)
Gender				
Male	8.2	(7.7-8.6)	26.2	(24.3-28.2)
Female	9.2	(8.8-9.5)	29.8	(28.2-31.5)
Race/Ethnicity				
White non-Hispanic	8.4	(8.1-8.6)	26.8	(25.5-28.2)
Black non-Hispanic	9.9	(8.8-10.9)	32.3	(28.2-36.7)
Other non-Hispanic	10.7	(9.0-12.4)	34.9	(28.3-42.2)
Hispanic	9.2	(7.1-11.3)	31.8	(23.5-41.4)
Education				
Less than high school	8.5	(7.3-9.7)	30.1	(24.9-35.9)
High school graduate	8.3	(7.8-8.8)	27.3	(25.1-29.6)
Some college	9.4	(8.8-9.9)	30.6	(28.3-33.1)
College graduate	8.4	(7.9-8.9)	25.9	(23.8-28.1)
Household Income				
< \$20,000	10.3	(9.4-11.2)	36.4	(32.4-40.5)
\$20,000 - \$34,999	8.6	(7.8-9.3)	27.7	(24.7-30.9)
\$35,000 - \$49,999	8.0	(7.3-8.7)	25.5	(22.4-28.9)
\$50,000 - \$74,999	8.4	(7.8-9.0)	27.4	(24.5-30.5)
\$75,000 +	8.7	(8.2-9.2)	26.7	(24.3-29.2)
^a The mean number of days during the past 30 days in which the respondent did not get enough rest or sleep. ^b The proportion who reported 14 or more days of poor rest or sleep, during the past 30 days.				

Table 20: No Routine Checkup in Past Year 2008 Michigan BRFSS		
Demographic Characteristics	Had No Routine Checkup in Past Year^a	
	%	95% Confidence Interval
Total	32.2	(30.8-33.5)
Age		
18 - 24	39.4	(33.9-45.3)
25 - 34	46.0	(41.8-50.2)
35 - 44	38.2	(35.1-41.3)
45 - 54	34.6	(32.1-37.1)
55 - 64	21.0	(19.1-23.1)
65 - 74	16.3	(14.2-18.5)
75 +	12.4	(10.5-14.7)
Gender		
Male	37.8	(35.7-40.0)
Female	26.9	(25.3-28.5)
Race/Ethnicity		
White non-Hispanic	32.7	(31.2-34.1)
Black non-Hispanic	25.6	(21.8-29.8)
Other non-Hispanic	40.1	(33.2-47.5)
Hispanic	35.0	(26.2-45.0)
Education		
Less than high school	26.3	(21.6-31.6)
High school graduate	34.1	(31.6-36.6)
Some college	32.9	(30.5-35.5)
College graduate	30.7	(28.5-33.0)
Household Income		
< \$20,000	35.0	(31.0-39.2)
\$20,000 - \$34,999	35.1	(31.9-38.4)
\$35,000 - \$49,999	33.0	(29.6-36.7)
\$50,000 - \$74,999	31.7	(28.6-35.0)
\$75,000 +	31.2	(28.7-33.9)
^a The proportion who reported that they did not have a routine checkup in the past year.		

**Table 21: Clinical Breast Exam Indicators Among Women Aged 20 Years and Older
2008 Michigan BRFSS**

Demographic Characteristics	Ever Had Clinical Breast Exam ^a		Had Appropriately Timed Clinical Breast Exam ^b	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	93.5	(92.5-94.4)	73.2	(71.7-74.6)
Age				
20 - 29	84.5	(78.9-88.8)	80.3	(74.5-85.1)
30 - 39	96.0	(93.4-97.5)	88.5	(85.1-91.2)
40 - 49	97.1	(95.6-98.1)	68.9	(65.5-72.1)
50 - 59	96.2	(94.7-97.3)	68.7	(65.6-71.5)
60 - 69	95.4	(93.9-96.6)	71.7	(68.7-74.6)
70 +	89.6	(87.7-91.2)	60.1	(57.1-63.1)
Race/Ethnicity				
White non-Hispanic	94.6	(93.5-95.5)	74.0	(72.4-75.5)
Black non-Hispanic	91.6	(88.7-93.9)	71.5	(66.9-75.7)
Other non-Hispanic	83.1	(73.0-90.0)	63.6	(54.3-72.1)
Hispanic	93.7	(80.6-98.2)	80.8	(69.1-88.8)
Education				
Less than high school	85.0	(79.3-89.3)	57.2	(49.9-64.3)
High school graduate	92.2	(90.4-93.8)	67.5	(64.8-70.1)
Some college	93.0	(90.6-94.9)	74.0	(71.2-76.7)
College graduate	96.7	(95.5-97.7)	80.1	(77.8-82.3)
Household Income				
< \$20,000	87.4	(83.1-90.7)	60.2	(55.5-64.8)
\$20,000 - \$34,999	92.4	(90.1-94.3)	68.8	(65.1-72.1)
\$35,000 - \$49,999	93.5	(90.0-95.8)	73.4	(69.1-77.2)
\$50,000 - \$74,999	97.7	(95.7-98.8)	80.6	(77.2-83.6)
\$75,000 +	97.6	(95.9-98.6)	81.9	(79.1-84.5)

^a Among women aged 20 years and older (n = 5,726), the proportion who reported ever having a clinical breast exam.

^b Among women aged 20 years and older, the proportion whose last clinical breast exam was within the previous three years for women aged 20 - 39 years and within the previous year for women aged 40 years and older.

**Table 22: Mammography Indicators among Women Aged 40 Years and Older
2008 Michigan BRFSS**

Demographic Characteristics	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	93.5	(92.5-94.3)	63.5	(61.8-65.1)	56.0	(54.3-57.7)
Age						
40 – 49	86.2	(83.5-88.5)	55.3	(51.8-58.8)	51.1	(47.5-54.6)
50 – 59	96.7	(95.5-97.6)	66.4	(63.3-69.3)	60.1	(57.0-63.2)
60 – 69	97.8	(96.6-98.6)	71.9	(68.9-74.8)	64.5	(61.4-67.5)
70 +	95.7	(94.2-96.8)	63.8	(60.8-66.7)	50.2	(47.1-53.2)
Race/Ethnicity						
White non-Hispanic	93.4	(92.3-94.3)	64.5	(62.7-66.3)	57.3	(55.5-59.1)
Black non-Hispanic	95.4	(91.7-97.5)	61.2	(55.9-66.2)	52.7	(47.5-57.8)
Other non-Hispanic	93.5	(85.0-97.3)	56.9	(47.4-65.8)	45.7	(36.6-55.1)
Hispanic	92.0	(80.1-97.1)	63.7	(48.7-76.4)	57.0	(42.4-70.4)
Education						
Less than high school	90.5	(85.1-94.1)	50.5	(44.0-57.0)	37.6	(31.6-44.1)
High school graduate	92.3	(90.4-93.9)	61.5	(58.7-64.3)	52.8	(50.0-55.7)
Some college	93.9	(92.1-95.3)	64.4	(61.3-67.3)	57.5	(54.4-60.6)
College graduate	94.9	(93.2-96.2)	67.4	(64.4-70.3)	61.8	(58.7-64.8)
Household Income						
< \$20,000	90.1	(86.5-92.8)	51.9	(47.7-56.0)	42.6	(38.5-46.8)
\$20,000 - \$34,999	94.2	(92.0-95.7)	61.8	(58.1-65.4)	53.2	(49.4-56.9)
\$35,000 - \$49,999	93.4	(89.9-95.7)	62.9	(58.2-67.3)	55.3	(50.6-59.9)
\$50,000 - \$74,999	93.6	(90.8-95.5)	69.3	(64.8-73.4)	63.7	(59.2-68.0)
\$75,000 +	94.8	(92.6-96.4)	67.7	(63.9-71.3)	63.2	(59.4-66.9)

Note: Data included diagnostic tests.
Among women aged 40 years and older (n = 4,826), the proportion who...
^a reported ever having a mammogram.
^b reported having a mammogram in the past year.
^c had both a clinical breast exam and mammogram in the previous year.

Table 23: Cervical Cancer Screening 2008 Michigan BRFSS				
Demographic Characteristics	Ever Had Pap Test^a		Had Appropriately Timed Pap Test^b	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	94.5	(93.3-95.5)	80.5	(79.1-81.9)
Age				
18 - 29	79.0	(73.4-83.7)	76.1	(70.4-80.9)
30 - 39	98.7	(96.1-99.6)	91.6	(88.5-93.9)
40 - 49	98.9	(97.7-99.5)	89.4	(87.1-91.3)
50 - 59	99.1	(98.5-99.5)	84.4	(82.0-86.5)
60 - 69	98.4	(97.4-99.0)	78.2	(75.3-80.8)
70 +	94.6	(93.0-95.8)	56.9	(53.8-60.0)
Race/Ethnicity				
White non-Hispanic	94.9	(93.5-96.0)	80.5	(78.9-81.9)
Black non-Hispanic	94.7	(91.4-96.8)	82.8	(78.8-86.1)
Other non-Hispanic	88.0	(77.0-94.2)	76.3	(66.5-83.9)
Hispanic	92.9	(79.0-97.9)	85.3	(73.8-92.3)
Education				
Less than high school	91.9	(86.4-95.3)	72.3	(65.8-78.0)
High school graduate	91.5	(88.6-93.7)	72.0	(69.1-74.8)
Some college	94.1	(91.5-95.9)	82.3	(79.6-84.7)
College graduate	98.5	(97.5-99.0)	88.7	(87.0-90.3)
Household Income				
< \$20,000	93.2	(89.2-95.8)	70.3	(65.8-74.4)
\$20,000 - \$34,999	94.9	(92.1-96.8)	74.4	(70.9-77.6)
\$35,000 - \$49,999	97.5	(94.9-98.8)	82.5	(79.0-85.5)
\$50,000 - \$74,999	98.1	(95.6-99.2)	88.5	(85.6-90.9)
\$75,000 +	96.1	(93.4-97.7)	89.6	(86.9-91.9)
<p>Note: Data included diagnostic tests. Among women aged 18 years and older (n = 5,871), the proportion who... ^a reported ever having a Pap test. ^b had a Pap test within the previous three years.</p>				

**Table 24: Prostate Cancer Screening Among Men Aged 50 Years and Older
2008 Michigan BRFSS**

Demographic Characteristics	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	87.5	(85.8-89.1)	52.7	(50.2-55.1)	83.3	(81.2-85.1)	61.0	(58.5-63.5)
Age								
50 - 59	83.7	(80.6-86.4)	44.5	(40.6-48.6)	74.5	(70.8-77.9)	48.3	(44.2-52.4)
60 - 69	91.0	(88.1-93.2)	60.7	(56.5-64.7)	90.2	(87.2-92.5)	73.3	(69.4-76.8)
70 +	90.7	(88.0-92.9)	58.4	(54.0-62.7)	91.3	(88.3-93.5)	69.8	(65.5-73.8)
Race/Ethnicity								
White non-Hispanic	88.0	(86.1-89.7)	52.7	(50.0-55.4)	83.7	(81.6-85.7)	61.5	(58.8-64.1)
Black non-Hispanic	86.6	(79.7-91.4)	59.7	(51.3-67.6)	83.3	(75.6-89.0)	61.9	(53.2-69.9)
Other non-Hispanic	78.8	(66.6-87.4)	34.3	(22.6-48.3)	79.7	(67.7-88.1)	54.2	(40.7-67.1)
Hispanic	-- ^e	---	-- ^e	---	-- ^e	---	-- ^e	---
Education								
< High school	83.1	(75.5-88.8)	47.4	(38.6-56.4)	72.8	(64.0-80.2)	50.7	(41.5-59.9)
High school graduate	83.2	(79.3-86.4)	47.0	(42.3-51.7)	79.8	(75.6-83.4)	59.6	(54.8-64.2)
Some college	87.8	(84.2-90.6)	50.7	(45.9-55.4)	82.8	(78.7-86.3)	58.1	(53.3-62.8)
College graduate	91.7	(89.1-93.7)	59.5	(55.4-63.5)	88.2	(85.1-90.8)	66.1	(62.0-70.0)
Household Income								
< \$20,000	74.1	(66.5-80.5)	37.2	(30.2-44.8)	67.9	(60.1-74.9)	48.7	(40.8-56.5)
\$20,000 - \$34,999	86.6	(82.0-90.1)	48.5	(42.9-54.1)	80.6	(75.7-84.8)	56.6	(50.8-62.1)
\$35,000 - \$49,999	88.0	(83.4-91.5)	54.2	(48.4-59.9)	88.2	(83.7-91.5)	65.1	(59.3-70.5)
\$50,000 - \$74,999	88.3	(83.6-91.8)	56.2	(50.0-62.2)	84.0	(78.5-88.2)	62.7	(56.4-68.5)
\$75,000 +	92.3	(89.2-94.5)	57.3	(52.3-62.2)	85.3	(81.0-88.7)	62.8	(57.6-67.6)

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 5.0% (4.2 - 5.9).

Among men aged 50 years and older (n = 2,037), 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 25: Colorectal Cancer Screening (Blood Stool Test) Among Adults Aged 50 Years and Older 2008 Michigan BRFSS				
Demographic Characteristics	Ever Had Blood Stool Test^a		Had Blood Stool Test in Past Two Years^b	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	45.9	(44.4-47.4)	22.4	(21.2-23.7)
Age				
50 - 59	34.4	(32.0-36.9)	15.9	(14.1-17.9)
60 - 69	54.6	(51.9-57.2)	28.0	(25.7-30.4)
70 +	54.4	(51.9-57.0)	26.7	(24.5-29.0)
Gender				
Male	43.0	(40.6-45.5)	21.8	(19.9-23.9)
Female	48.4	(46.6-50.3)	22.9	(21.4-24.5)
Race/Ethnicity				
White non-Hispanic	46.4	(44.8-48.1)	22.1	(20.8-23.4)
Black non-Hispanic	46.3	(41.7-51.0)	26.4	(22.3-31.1)
Other non-Hispanic	42.1	(34.3-50.4)	20.1	(14.6-27.1)
Hispanic	35.7	(24.4-49.0)	21.0	(12.2-33.6)
Education				
Less than high school	39.1	(33.9-44.4)	19.6	(15.8-24.0)
High school graduate	44.9	(42.4-47.4)	22.9	(20.8-25.2)
Some college	45.0	(42.2-47.9)	21.6	(19.4-24.1)
College graduate	49.4	(46.7-52.2)	23.3	(21.1-25.7)
Household Income				
< \$20,000	42.2	(38.5-46.0)	22.2	(19.2-25.5)
\$20,000 - \$34,999	45.4	(42.2-48.6)	21.4	(19.0-24.1)
\$35,000 - \$49,999	48.1	(44.3-52.0)	23.0	(19.8-26.4)
\$50,000 - \$74,999	47.0	(42.9-51.1)	24.8	(21.5-28.5)
\$75,000 +	46.5	(42.9-50.1)	22.0	(19.2-25.1)
Among those aged 50 years and older (n=5,870), the proportion who...				
^a reported 'Yes' to the question, "A blood stool test is a test that may use a special kit at home to determine whether the stool contains blood. Have you ever had this test using a home kit?"				
^b had a blood stool test within the past two years using a home kit.				

**Table 26: Colorectal Cancer Screening (Sigmoidoscopy/Colonoscopy)
Among Adults Aged 50 Years and Older
2008 Michigan BRFSS**

Demographic Characteristics	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	68.6	(67.1-70.0)	57.4	(55.9-58.9)	62.9	(61.4-64.4)
Age						
50 - 59	58.2	(55.6-60.7)	49.3	(46.7-51.9)	53.9	(51.3-56.5)
60 - 69	76.8	(74.5-79.0)	64.1	(61.5-66.6)	71.0	(68.5-73.4)
70 +	75.8	(73.5-78.0)	63.2	(60.6-65.6)	68.7	(66.2-71.1)
Gender						
Male	68.0	(65.6-70.3)	57.4	(54.9-59.8)	62.3	(59.8-64.8)
Female	69.1	(67.3-70.8)	57.5	(55.6-59.3)	63.4	(61.6-65.2)
Race/Ethnicity						
White non-Hispanic	69.7	(68.1-71.2)	58.3	(56.6-60.0)	64.3	(62.6-65.9)
Black non-Hispanic	65.0	(60.3-69.4)	56.5	(51.7-61.2)	59.4	(54.5-64.1)
Other non-Hispanic	59.3	(50.8-67.2)	43.1	(34.8-51.9)	47.5	(38.9-56.4)
Hispanic	59.8	(46.2-72.0)	53.6	(40.3-66.4)	54.4	(40.9-67.3)
Education						
Less than high school	62.1	(56.7-67.3)	49.3	(43.7-55.0)	53.3	(47.5-59.0)
High school graduate	65.2	(62.7-67.7)	54.6	(52.0-57.2)	59.3	(56.7-61.9)
Some college	68.1	(65.3-70.8)	57.8	(54.9-60.6)	62.7	(59.8-65.5)
College graduate	73.9	(71.3-76.3)	61.7	(59.0-64.4)	68.8	(66.1-71.4)
Household Income						
< \$20,000	57.7	(53.7-61.5)	46.8	(42.8-50.8)	49.8	(45.8-53.8)
\$20,000 - \$34,999	65.7	(62.5-68.8)	53.4	(50.1-56.7)	59.2	(55.8-62.4)
\$35,000 - \$49,999	69.7	(66.0-73.2)	59.0	(55.1-62.8)	63.9	(60.0-67.6)
\$50,000 - \$74,999	68.5	(64.4-72.4)	57.8	(53.6-61.9)	64.0	(59.8-68.0)
\$75,000 +	74.0	(70.7-77.1)	63.6	(60.1-67.0)	70.0	(66.5-73.2)

Among those aged 50 years and older (n = 5,870), the proportion who...

^a reported 'Yes' to the question, "Sigmoidoscopy and colonoscopy are exams in which a tube is inserted in the rectum to view the colon for signs of cancer or other health problems. Have you ever had either of these exams?"

^b had a sigmoidoscopy or colonoscopy within the past five years.

^c had a sigmoidoscopy within the past five years or a colonoscopy within the past ten years.

Table 27: Oral Health 2008 Michigan BRFSS						
Demographic Characteristics	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	25.2	(24.0-26.4)	25.3	(24.0-26.5)	13.8	(13.1-14.6)
Age						
18 - 24	25.9	(21.2-31.3)	28.7	(23.7-34.3)	0.8	(0.3-2.1)
25 - 34	30.1	(26.5-34.1)	32.6	(28.8-36.6)	1.4	(0.7-2.5)
35 - 44	25.0	(22.3-27.9)	26.7	(23.9-29.7)	5.3	(4.0-7.0)
45 - 54	23.8	(21.6-26.1)	24.2	(22.0-26.5)	12.0	(10.5-13.8)
55 - 64	20.3	(18.4-22.4)	19.6	(17.6-21.6)	23.6	(21.5-25.7)
65 - 74	24.9	(22.5-27.5)	19.4	(17.0-22.0)	34.8	(32.1-37.7)
75 +	27.7	(25.1-30.6)	19.7	(17.1-22.5)	44.0	(41.0-47.2)
Gender						
Male	27.4	(25.5-29.4)	28.1	(26.1-30.2)	12.6	(11.6-13.8)
Female	23.2	(21.7-24.6)	22.6	(21.1-24.1)	14.9	(14.0-15.9)
Race/Ethnicity						
White non-Hispanic	22.6	(21.4-23.9)	22.5	(21.2-23.9)	12.6	(11.8-13.4)
Black non-Hispanic	36.7	(32.7-40.9)	36.8	(32.6-41.2)	19.9	(17.5-22.5)
Other non-Hispanic	34.9	(28.7-41.6)	36.5	(30.1-43.4)	16.0	(12.3-20.6)
Hispanic	26.0	(18.4-35.4)	29.5	(20.7-40.1)	12.9	(8.4-19.5)
Education						
Less than high school	48.0	(42.4-53.7)	49.1	(42.8-55.5)	37.8	(32.9-42.8)
High school graduate	32.1	(29.8-34.5)	31.9	(29.4-34.5)	19.3	(17.8-20.9)
Some college	24.7	(22.5-26.9)	25.0	(22.8-27.4)	12.3	(11.0-13.6)
College graduate	14.4	(12.8-16.1)	15.2	(13.5-17.0)	5.2	(4.5-6.1)
Household Income						
< \$20,000	46.9	(42.8-51.0)	50.5	(46.0-55.1)	29.2	(26.1-32.4)
\$20,000 - \$34,999	34.7	(31.6-37.9)	35.0	(31.8-38.4)	22.8	(20.6-25.2)
\$35,000 - \$49,999	24.9	(21.8-28.4)	24.6	(21.4-28.3)	14.2	(12.2-16.4)
\$50,000 - \$74,999	19.4	(16.8-22.3)	19.4	(16.8-22.3)	7.4	(6.1-8.8)
\$75,000 +	12.3	(10.5-14.3)	13.0	(11.2-15.1)	4.1	(3.3-5.0)

^a The proportion who reported that they had not visited a dentist or dental clinic for any reason in the previous year.

^b The proportion who reported that they did not have their teeth cleaned by a dentist or dental hygienist in the previous year.

^c 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.

Table 28: Diabetes Testing 2008 Michigan BRFSS		
Demographic Characteristics	Checked for Diabetes in Past 3 Years^a	
	%	95% Confidence Interval
Total	51.4	(49.4-53.3)
Age		
18 - 24	22.8	(17.0-29.8)
25 - 34	42.5	(37.5-47.7)
35 - 44	49.4	(45.4-53.4)
45 - 54	59.6	(56.3-62.8)
55 - 64	69.3	(66.2-72.3)
65 - 74	69.2	(65.3-72.8)
75 +	70.9	(66.8-74.6)
Gender		
Male	49.0	(46.1-51.9)
Female	53.4	(50.8-56.1)
Race/Ethnicity		
White non-Hispanic	50.5	(48.4-52.7)
Black non-Hispanic	60.7	(54.7-66.5)
Other non-Hispanic	42.0	(33.1-51.3)
Hispanic	49.7	(37.1-62.3)
Education		
Less than high school	48.7	(40.4-57.2)
High school graduate	48.2	(44.7-51.8)
Some college	51.6	(48.0-55.3)
College graduate	54.6	(51.4-57.8)
Household Income		
< \$20,000	49.0	(43.0-55.0)
\$20,000 - \$34,999	53.0	(48.3-57.8)
\$35,000 - \$49,999	52.1	(47.0-57.2)
\$50,000 - \$74,999	55.1	(50.5-59.6)
\$75,000 +	53.9	(50.2-57.6)
^a Among adult respondents (n = 5,237), the proportion who reported that during the past 3 years, they have had a blood test or finger prick to check for high blood sugar or diabetes. Excludes those already diagnosed with diabetes (Table 34).		

Table 29: Immunizations among Adults Aged 65 Years and Older 2008 Michigan BRFSS				
Demographic Characteristics	Had Flu Vaccine in Past Year^a		Ever Had Pneumonia Vaccine^b	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	70.1	(68.1-72.0)	66.4	(64.4-68.4)
Age				
65 - 74	64.9	(62.1-67.6)	58.3	(55.3-61.2)
75 +	75.5	(72.8-78.1)	74.9	(72.2-77.5)
Gender				
Male	70.4	(67.0-73.5)	61.1	(57.6-64.6)
Female	69.9	(67.4-72.2)	70.2	(67.8-72.5)
Race/Ethnicity				
White non-Hispanic	72.1	(70.0-74.1)	68.6	(66.4-70.7)
Black non-Hispanic	54.8	(48.2-61.2)	47.9	(41.4-54.5)
Other non-Hispanic	71.1	(57.4-81.7)	64.3	(50.1-76.3)
Hispanic	-- ^c	---	-- ^c	---
Education				
Less than high school	70.1	(64.3-75.4)	61.7	(55.5-67.6)
High school graduate	68.6	(65.5-71.6)	69.0	(65.9-72.0)
Some college	67.7	(63.5-71.6)	65.3	(61.0-69.4)
College graduate	74.9	(70.9-78.6)	65.7	(61.3-69.8)
Household Income				
< \$20,000	60.9	(55.9-65.6)	64.2	(59.2-68.9)
\$20,000 - \$34,999	70.6	(66.7-74.2)	68.9	(65.0-72.6)
\$35,000 - \$49,999	75.5	(70.3-80.0)	71.9	(66.6-76.6)
\$50,000 - \$74,999	66.4	(59.7-72.5)	60.4	(53.4-67.0)
\$75,000 +	75.5	(68.1-81.7)	60.0	(52.3-67.2)
^a Among those aged 65 years and older (n = 2,837), 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 30: HIV Testing Among Adults Aged 18 - 64 Years 2008 Michigan BRFSS		
Demographic Characteristics	Ever Had an HIV Test^a	
	%	95% Confidence Interval
Total	37.3	(35.7-38.9)
Age		
18 – 24	24.0	(19.4-29.2)
25 – 34	51.4	(47.1-55.6)
35 – 44	51.6	(48.3-54.8)
45 – 54	32.0	(29.6-34.5)
55 – 64	22.5	(20.5-24.6)
Gender		
Male	33.5	(31.2-35.9)
Female	41.1	(39.1-43.2)
Race/Ethnicity		
White non-Hispanic	32.1	(30.5-33.8)
Black non-Hispanic	62.9	(57.9-67.6)
Other non-Hispanic	43.6	(36.1-51.5)
Hispanic	41.9	(31.8-52.8)
Education		
Less than high school	43.3	(35.7-51.1)
High school graduate	33.5	(30.6-36.6)
Some college	38.2	(35.4-41.1)
College graduate	38.8	(36.2-41.4)
Household Income		
< \$20,000	46.5	(41.3-51.7)
\$20,000 - \$34,999	39.5	(35.5-43.8)
\$35,000 - \$49,999	35.5	(31.5-39.7)
\$50,000 - \$74,999	33.8	(30.5-37.4)
\$75,000 +	37.1	(34.3-40.0)
^a Among those aged 18 - 64 years (n = 6,163), 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	15.4	(14.4-16.5)	9.9	(9.1-10.8)
Age				
18 - 24	28.2	(23.3-33.8)	16.3	(12.4-21.0)
25 - 34	16.2	(13.4-19.5)	9.9	(7.6-12.9)
35 - 44	12.6	(10.7-14.7)	8.6	(7.1-10.4)
45 - 54	13.8	(12.2-15.7)	9.0	(7.7-10.5)
55 - 64	13.5	(12.0-15.2)	9.8	(8.5-11.3)
65 - 74	14.1	(12.2-16.2)	9.9	(8.3-11.8)
75 +	9.1	(7.5-11.0)	5.9	(4.6-7.5)
Gender				
Male	12.8	(11.3-14.4)	6.9	(5.9-8.2)
Female	17.8	(16.5-19.3)	12.7	(11.6-14.0)
Race/Ethnicity				
White non-Hispanic	14.7	(13.6-15.8)	9.4	(8.6-10.4)
Black non-Hispanic	16.7	(13.7-20.3)	11.3	(8.8-14.5)
Other non-Hispanic	22.1	(16.5-28.9)	13.7	(9.7-19.1)
Hispanic	17.0	(10.8-25.6)	9.8	(5.4-16.9)
Education				
Less than high school	22.0	(17.5-27.2)	16.9	(13.1-21.6)
High school graduate	13.8	(12.1-15.7)	8.9	(7.6-10.5)
Some college	18.2	(16.2-20.4)	11.2	(9.7-13.0)
College graduate	12.8	(11.2-14.5)	8.3	(7.0-9.8)
Household Income				
< \$20,000	20.5	(17.3-24.0)	13.5	(11.1-16.4)
\$20,000 - \$34,999	17.0	(14.2-24.0)	11.8	(9.3-14.8)
\$35,000 - \$49,999	12.9	(10.7-15.4)	8.3	(6.7-10.4)
\$50,000 - \$74,999	14.4	(12.1-17.0)	8.5	(6.8-10.7)
\$75,000 +	12.3	(10.6-14.2)	7.6	(6.4-9.1)
^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 32: Asthma in Children 2008 Michigan BRFSS				
Demographic Characteristics	Lifetime Asthma Prevalence^a		Current Asthma Prevalence^b	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	15.4	(13.9-17.2)	10.4	(9.0-11.9)
Age				
0 - 4	9.0	(6.2-12.9)	6.1	(3.8-9.7)
5 - 9	15.5	(12.4-19.3)	11.7	(9.0-15.1)
10 - 14	18.4	(15.4-21.9)	11.8	(9.2-14.9)
15 - 17	20.4	(16.9-24.5)	12.5	(9.7-15.9)
Gender				
Boy	17.9	(15.5-20.5)	11.5	(9.5-13.8)
Girl	13.0	(11.0-15.3)	9.3	(7.6-11.4)
Race/Ethnicity				
White non-Hispanic	13.7	(12.1-15.6)	8.8	(7.5-10.3)
Black non-Hispanic	21.2	(16.2-27.2)	15.6	(11.1-21.5)
Other non-Hispanic	20.9	(14.1-30.0)	15.3	(9.5-23.8)
Hispanic	18.6	(10.9-30.1)	13.8	(7.1-25.2)
Respondent Education				
Less than high school	15.7	(8.8-26.4)	10.2	(5.0-19.6)
High school graduate	13.6	(10.9-16.8)	9.0	(6.8-11.9)
Some college	17.7	(14.6-21.2)	11.6	(9.0-14.8)
College graduate	14.8	(12.5-17.5)	10.3	(8.3-12.7)
Household Income				
< \$20,000	19.1	(13.3-26.6)	14.5	(9.3-22.0)
\$20,000 - \$34,999	16.7	(12.7-21.6)	11.3	(8.2-15.4)
\$35,000 - \$49,999	15.6	(11.7-20.4)	10.6	(7.4-14.9)
\$50,000 - \$74,999	15.1	(11.8-19.2)	10.4	(7.6-14.2)
\$75,000 +	13.6	(11.3-16.4)	8.7	(6.8-11.1)
^a Estimated proportion of Michigan children aged 0-17 years ever diagnosed with asthma, using proxy information from respondent (n = 2,489). ^b Estimated proportion of Michigan children aged 0-17 years with current asthma.				

**Table 33: Cardiovascular Disease among All Adults
2008 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	4.5	(4.1-4.9)	4.7	(4.3-5.1)	3.0	(2.6-3.3)
Age						
18 - 34	0.4	(0.1-1.1)	0.2	(0.0-1.0)	0.8	(0.4-1.7)
35 - 44	0.9	(0.5-1.8)	1.1	(0.6-2.0)	0.7	(0.3-1.5)
45 - 54	2.8	(2.1-3.8)	3.3	(2.5-4.3)	2.2	(1.5-3.1)
55 - 64	8.2	(6.8-9.8)	8.5	(7.1-10.1)	4.4	(3.5-5.4)
65 - 74	11.8	(10.1-13.8)	13.2	(11.5-15.3)	5.1	(4.0-6.4)
75 +	16.9	(14.7-19.3)	17.1	(14.8-19.6)	12.5	(10.6-14.7)
Gender						
Male	5.6	(4.9-6.3)	5.3	(4.6-6.0)	2.6	(2.2-3.2)
Female	3.5	(3.1-4.0)	4.2	(3.7-4.7)	3.3	(2.8-3.8)
Race/Ethnicity						
White non-Hispanic	4.5	(4.0-5.0)	5.0	(4.5-5.5)	2.7	(2.3-3.1)
Black non-Hispanic	3.8	(2.9-5.0)	3.3	(2.5-4.4)	4.4	(3.3-5.8)
Other non-Hispanic	5.4	(3.4-8.4)	5.2	(3.6-7.7)	4.4	(2.7-7.0)
Hispanic	4.2	(1.9-9.1)	3.2	(1.4-7.2)	1.2	(0.3-4.5)
Education						
Less than high school	10.2	(8.0-13.0)	6.9	(5.2-9.1)	7.6	(5.7-10.1)
High school graduate	5.8	(5.0-6.8)	5.4	(4.6-6.2)	3.4	(2.8-4.1)
Some college	3.6	(3.0-4.4)	4.8	(4.0-5.7)	2.8	(2.2-3.6)
College graduate	2.8	(2.3-3.5)	3.5	(2.9-4.2)	1.7	(1.3-2.2)
Household Income						
< \$20,000	8.2	(6.8-10.0)	6.9	(5.7-8.4)	6.4	(5.1-8.1)
\$20,000 - \$34,999	7.4	(6.1-8.9)	7.4	(6.2-8.9)	4.3	(3.4-5.4)
\$35,000 - \$49,999	4.6	(3.6-5.8)	5.5	(4.3-6.9)	2.8	(2.0-4.0)
\$50,000 - \$74,999	3.0	(2.2-3.9)	4.1	(3.2-5.4)	1.3	(0.8-2.0)
\$75,000 +	1.9	(1.4-2.7)	2.3	(1.8-3.0)	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 34: Diabetes 2008 Michigan BRFSS		
Demographic Characteristics	Ever Told Diabetes^a	
	%	95% Confidence Interval
Total	9.1	(8.5-9.8)
Age		
18 – 24	0.4	(0.1-1.5)
25 – 34	2.3	(1.3-4.0)
35 – 44	5.2	(3.9-6.9)
45 – 54	9.1	(7.8-10.7)
55 – 64	17.0	(15.1-19.1)
65 – 74	21.1	(18.8-23.6)
75 +	17.6	(15.5-20.0)
Gender		
Male	10.1	(9.1-11.2)
Female	8.1	(7.4-8.9)
Race/Ethnicity		
White non-Hispanic	8.1	(7.5-8.8)
Black non-Hispanic	12.8	(10.7-15.3)
Other non-Hispanic	13.5	(10.1-17.8)
Hispanic	8.5	(4.7-14.9)
Education		
Less than high school	13.4	(10.8-16.4)
High school graduate	10.3	(9.2-11.5)
Some college	9.2	(8.0-10.4)
College graduate	7.0	(6.0-8.1)
Household Income		
< \$20,000	15.1	(12.9-17.5)
\$20,000 - \$34,999	12.3	(10.6-14.2)
\$35,000 - \$49,999	9.1	(7.5-10.9)
\$50,000 - \$74,999	7.4	(6.0-9.0)
\$75,000 +	6.0	(5.0-7.4)
^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 35: Falls Among Adults 45 Years and Older 2008 Michigan BRFSS				
Demographic Characteristics	Fell During the Past Three Months^a		Injured From a Fall During the Past Three Months^b	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	17.7	(16.6-18.7)	5.3	(4.7-6.0)
Age				
45 - 54	18.2	(16.3-20.2)	6.6	(5.4-8.0)
55 - 64	17.0	(15.3-19.0)	4.8	(3.9-5.8)
65 - 74	17.3	(15.2-19.6)	4.0	(3.0-5.2)
75 +	18.5	(16.3-21.0)	4.6	(3.6-6.0)
Gender				
Male	16.9	(15.3-18.7)	4.4	(3.5-5.5)
Female	18.3	(17.0-19.6)	6.1	(5.3-6.9)
Race				
White non-Hispanic	17.3	(16.2-18.5)	5.0	(4.4-5.8)
Black non-Hispanic	16.5	(13.5-19.9)	6.2	(4.4-8.6)
Other non-Hispanic	24.3	(18.7-31.0)	7.7	(4.7-12.6)
Hispanic	22.6	(13.6-35.2)	2.1	(0.6-7.4)
Education				
Less than high school	24.9	(20.5-29.8)	8.2	(5.8-11.6)
High school graduate	16.3	(14.6-18.2)	4.7	(3.8-5.8)
Some college	18.8	(16.9-20.9)	6.4	(5.3-7.7)
College graduate	16.5	(14.8-18.4)	4.4	(3.4-5.5)
Household Income				
< \$20,000	24.6	(21.5-28.0)	10.9	(8.7-13.7)
\$20,000 - \$34,999	19.7	(17.3-22.4)	5.7	(4.5-7.3)
\$35,000 - \$49,999	16.9	(14.4-19.8)	4.6	(3.3-6.3)
\$50,000 - \$74,999	16.7	(14.1-19.5)	4.6	(3.3-6.3)
\$75,000 +	14.5	(12.5-16.8)	3.8	(2.7-5.2)
^a Among those aged 45 years and older (n = 6,921), the proportion who reported to have unintentionally come to rest on the ground or another lower level during the past three months. ^b Among all those aged 45 years and older, the proportion who reported to have been injured due to a fall during the past three months.				