

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

**Selected Tables**

**Behavioral Risk Factor Survey  
2006**

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 2006 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. The total sample size of completed interviews was 5,662.

State-specific, population-based prevalence estimates and 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 SUDAAN, a statistical computing program that was designed for complex sample surveys.

<b>Table 1: Health Status 2006 Michigan BRFSS</b>		
<b>Demographic Characteristics</b>	<b>General Health, Fair or Poor<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	15.2	(14.2 - 16.4)
<b>Age</b>		
18 – 24	10.1	(6.9 - 14.6)
25 – 34	9.4	(6.9 - 12.7)
35 – 44	11.5	(9.4 - 14.1)
45 – 54	14.7	(12.7 - 17.1)
55 – 64	19.1	(16.6 - 21.9)
65 – 74	23.3	(20.1 - 26.8)
75 +	30.0	(26.3 - 33.9)
<b>Gender</b>		
Male	14.4	(12.8 - 16.3)
Female	16.0	(14.6 - 17.4)
<b>Race/Ethnicity</b>		
White non-Hispanic	14.4	(13.3 - 15.6)
Black non-Hispanic	19.4	(15.7 - 23.8)
Other non-Hispanic	18.4	(13.1 - 25.2)
Hispanic	14.7	(8.4 - 24.3)
<b>Education</b>		
Less than high school	32.8	(27.5 - 38.5)
High school graduate	20.1	(18.0 - 22.4)
Some college	13.2	(11.5 - 15.2)
College graduate	7.3	(5.9 - 9.0)
<b>Household Income</b>		
< \$20,000	32.6	(28.6 - 36.8)
\$20,000 - \$34,999	23.5	(20.5 - 26.8)
\$35,000 - \$49,999	13.6	(11.0 - 16.6)
\$50,000 - \$74,999	7.3	(5.5 - 9.4)
\$75,000 +	4.7	(3.5 - 6.3)
<sup>a</sup> The proportion who reported that their health, in general, was either fair or poor.		

<b>Table 2: Health Status on at Least 14 Days in the Past Month 2006 Michigan BRFSS</b>						
<b>Demographic Characteristics</b>	<b>Poor Physical Health<sup>a</sup></b>		<b>Poor Mental Health<sup>b</sup></b>		<b>Activity Limitation<sup>c</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	11.0	(10.2 – 12.0)	10.9	(9.9 - 11.9)	6.8	(6.1 - 7.6)
<b>Age</b>						
18 – 24	3.1	(1.5 - 6.3)	12.1	(8.5 - 16.9)	1.4	(0.5 - 3.7)
25 – 34	5.4	(3.7 - 7.7)	12.8	(9.9 - 16.3)	4.9	(3.3 - 7.3)
35 – 44	8.3	(6.6 - 10.4)	10.0	(8.2 - 12.1)	5.1	(3.7 - 6.8)
45 – 54	13.1	(11.2 - 15.4)	12.2	(10.3 - 14.5)	9.0	(7.4 - 10.9)
55 – 64	17.6	(15.2 - 20.3)	12.0	(9.9 - 14.4)	10.7	(8.8 - 13.0)
65 – 74	16.1	(13.2 - 19.3)	6.6	(5.0 - 8.7)	9.1	(7.1 - 11.7)
75 +	20.1	(17.0 - 23.6)	6.6	(4.8 - 8.9)	8.8	(6.8 - 11.3)
<b>Gender</b>						
Male	9.6	(8.3 - 11.1)	8.4	(7.0 - 10.0)	5.6	(4.6 - 6.8)
Female	12.4	(11.2 - 13.6)	13.2	(11.9 - 14.6)	7.9	(7.0 - 9.0)
<b>Race/Ethnicity</b>						
White non-Hispanic	11.1	(10.1 - 12.1)	10.4	(9.4 - 11.5)	6.4	(5.7 - 7.3)
Black non-Hispanic	12.5	(9.6 - 16.0)	11.7	(8.8 - 15.5)	9.3	(7.0 - 12.4)
Other non-Hispanic	11.4	(7.8 - 16.5)	16.4	(10.6 – 24.3)	8.8	(5.4 - 14.2)
Hispanic	5.9	(3.1 - 11.1)	12.1	(6.7 – 20.8)	3.9	(1.8 - 8.2)
<b>Education</b>						
Less than high school	19.8	(15.7 - 24.5)	17.4	(12.9 - 23.0)	12.1	(8.9 - 16.1)
High school graduate	13.9	(12.2 - 15.8)	13.3	(11.5 - 15.4)	8.9	(7.5 - 10.5)
Some college	10.0	(8.5 - 11.7)	11.7	(10.0 - 13.7)	7.1	(5.9 - 8.5)
College graduate	6.8	(5.6 - 8.3)	5.8	(4.6 - 7.2)	2.8	(2.0 - 3.8)
<b>Household Income</b>						
< \$20,000	22.9	(19.6 - 26.6)	20.0	(16.5 - 24.0)	16.3	(13.4 - 19.7)
\$20,000 - \$34,999	16.3	(13.8 - 19.1)	13.2	(10.8 - 16.1)	11.2	(9.1 - 13.7)
\$35,000 - \$49,999	8.7	(6.9 - 11.0)	12.1	(9.6 - 15.1)	5.2	(3.8 – 7.0)
\$50,000 - \$74,999	6.9	(5.3 - 8.9)	7.7	(6.0 - 9.9)	2.9	(1.9 - 4.3)
\$75,000 +	5.5	(4.3 - 7.0)	6.5	(4.9 - 8.6)	2.8	(2.0 - 4.0)

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

<sup>b</sup> 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.

<sup>c</sup> The proportion who reported 14 or more days in the past 30 days in which either poor physical health or poor mental health kept respondents from doing their usual activities, such as self-care, work, and recreation.

**Table 3: Mean Number of Days of Poor Physical Health, Poor Mental Health, and Activity Limitations  
2006 Michigan BRFSS**

Demographic Characteristics	Poor Physical Health <sup>a</sup>		Poor Mental Health <sup>b</sup>		Activity Limitation <sup>c</sup>	
	Mean # of Days	95% Confidence Interval	Mean # of Days	95% Confidence Interval	Mean # of Days	95% Confidence Interval
<b>Total</b>	3.7	(3.4 - 3.9)	3.6	(3.3 - 3.8)	2.2	(2.0 - 2.4)
<b>Age</b>						
18 - 24	1.6	(1.1 - 2.1)	4.0	(3.1 - 4.9)	1.0	(0.6 - 1.4)
25 - 34	2.3	(1.8 - 2.8)	4.0	(3.3 - 4.7)	1.7	(1.2 - 2.2)
35 - 44	2.8	(2.3 - 3.2)	3.6	(3.2 - 4.1)	1.7	(1.4 - 2.0)
45 - 54	4.3	(3.7 - 4.8)	4.0	(3.4 - 4.5)	2.8	(2.4 - 3.3)
55 - 64	5.3	(4.6 - 6.0)	3.8	(3.2 - 4.4)	3.3	(2.8 - 3.9)
65 - 74	5.0	(4.2 - 5.7)	2.3	(1.8 - 2.8)	2.8	(2.2 - 3.5)
75 +	6.3	(5.4 - 7.2)	1.9	(1.4 - 2.4)	2.6	(2.0 - 3.2)
<b>Gender</b>						
Male	3.2	(2.9 - 3.6)	2.9	(2.5 - 3.2)	1.8	(1.6 - 2.1)
Female	4.1	(3.8 - 4.4)	4.2	(3.9 - 4.6)	2.6	(2.3 - 2.8)
<b>Race/Ethnicity</b>						
White non-Hispanic	3.7	(3.4 - 3.9)	3.5	(3.3 - 3.7)	2.1	(1.9 - 2.3)
Black non-Hispanic	3.9	(3.1 - 4.8)	3.6	(2.8 - 4.4)	2.8	(2.2 - 3.5)
Other non-Hispanic	4.0	(2.9 - 5.1)	4.5	(2.9 - 6.2)	3.2	(2.0 - 4.5)
Hispanic	2.4	(1.4 - 3.5)	4.2	(2.3 - 6.0)	1.6	(0.8 - 2.4)
<b>Education</b>						
Less than high school	6.2	(5.0 - 7.4)	5.0	(3.9 - 6.2)	4.0	(3.1 - 4.9)
High school graduate	4.4	(3.9 - 4.8)	4.0	(3.6 - 4.5)	2.8	(2.4 - 3.1)
Some college	3.6	(3.1 - 4.0)	3.9	(3.5 - 4.4)	2.3	(2.0 - 2.7)
College graduate	2.4	(2.1 - 2.7)	2.3	(2.0 - 2.7)	1.1	(0.9 - 1.3)
<b>Household Income</b>						
< \$20,000	7.0	(6.2 - 7.9)	6.3	(5.4 - 7.3)	5.1	(4.3 - 5.9)
\$20,000 - \$34,999	5.1	(4.4 - 5.8)	4.1	(3.5 - 4.8)	3.3	(2.7 - 3.8)
\$35,000 - \$49,999	3.3	(2.7 - 3.8)	3.8	(3.2 - 4.4)	1.9	(1.5 - 2.3)
\$50,000 - \$74,999	2.2	(1.8 - 2.6)	2.7	(2.2 - 3.1)	1.1	(0.8 - 1.5)
\$75,000 +	2.2	(1.8 - 2.5)	2.4	(2.0 - 2.8)	1.1	(0.9 - 1.4)

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

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

<sup>c</sup> 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.

<b>Table 4: Life Satisfaction 2006 Michigan BRFSS</b>		
<b>Demographic Characteristics</b>	<b>Dissatisfied or Very Dissatisfied With Life<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	5.7	(5.0 - 6.5)
<b>Age</b>		
18 – 24	4.8	(2.7 - 8.2)
25 – 34	5.4	(3.7 - 7.9)
35 – 44	6.9	(5.2 - 9.2)
45 – 54	6.7	(5.3 - 8.5)
55 – 64	6.5	(5.0 - 8.5)
65 – 74	3.6	(2.5 - 5.2)
75 +	2.9	(1.8 - 4.6)
<b>Gender</b>		
Male	5.9	(4.8 - 7.3)
Female	5.5	(4.6 - 6.4)
<b>Race/Ethnicity</b>		
White non-Hispanic	5.0	(4.3 - 5.8)
Black non-Hispanic	8.8	(6.2 - 12.5)
Other non-Hispanic	9.4	(5.6 - 15.4)
Hispanic	3.7	(1.3 - 9.8)
<b>Education</b>		
Less than high school	8.4	(5.7 - 12.2)
High school graduate	6.3	(5.1 - 7.9)
Some college	7.1	(5.7 - 8.8)
College graduate	2.8	(2.0 – 4.0)
<b>Household Income</b>		
< \$20,000	16.3	(13.2 - 19.8)
\$20,000 - \$34,999	6.6	(5.0 - 8.8)
\$35,000 - \$49,999	6.1	(4.4 - 8.5)
\$50,000 - \$74,999	2.3	(1.3 - 4.1)
\$75,000 +	2.0	(1.3 - 3.3)

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

<b>Table 5: Social and Emotional Support 2006 Michigan BRFSS</b>		
<b>Demographic Characteristics</b>	<b>Rarely or Never Receive the Social and Emotional Support that is Needed<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	7.0	(6.2 - 7.9)
<b>Age</b>		
18 – 24	7.5	(4.5 - 12.0)
25 – 34	4.9	(3.2 - 7.4)
35 – 44	5.3	(3.8 - 7.3)
45 – 54	6.5	(5.0 - 8.4)
55 – 64	7.5	(5.9 - 9.5)
65 – 74	8.2	(6.1 - 10.8)
75 +	14.0	(11.3 - 17.1)
<b>Gender</b>		
Male	8.3	(6.9 - 9.8)
Female	5.8	(4.9 - 6.8)
<b>Race/Ethnicity</b>		
White non-Hispanic	5.6	(4.9 - 6.4)
Black non-Hispanic	10.9	(7.8 - 15.1)
Other non-Hispanic	11.3	(7.0 - 17.8)
Hispanic	19.0	(11.5 - 29.7)
<b>Education</b>		
Less than high school	19.4	(14.5 - 25.5)
High school graduate	8.2	(6.8 - 9.9)
Some college	6.7	(5.2 - 8.4)
College graduate	2.8	(2.1 - 3.8)
<b>Household Income</b>		
< \$20,000	15.2	(12.3 - 18.8)
\$20,000 - \$34,999	10.7	(8.3 - 13.6)
\$35,000 - \$49,999	5.7	(4.2 - 7.9)
\$50,000 - \$74,999	4.2	(2.9 - 6.1)
\$75,000 +	2.1	(1.3 - 3.2)
<sup>a</sup> 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 <sup>a</sup>		Any Activity Limitation <sup>b</sup>		Used Special Equipment <sup>c</sup>	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	23.9	(22.6 - 25.2)	22.1	(20.9 - 23.4)	7.3	(6.6 - 8.0)
<b>Age</b>						
18 - 24	12.5	(8.9 - 17.4)	11.6	(8.1 - 16.3)	0.9	(0.2 - 3.9)
25 - 34	14.5	(11.5 - 18.1)	14.2	(11.2 - 17.8)	2.1	(1.1 - 3.9)
35 - 44	16.0	(13.6 - 18.7)	15.4	(13.1 - 18.0)	3.7	(2.6 - 5.3)
45 - 54	25.2	(22.6 - 28.0)	24.1	(21.6 - 26.9)	6.1	(4.9 - 7.6)
55 - 64	35.3	(32.3 - 38.4)	32.9	(30.0 - 36.0)	12.4	(10.3 - 14.8)
65 - 74	34.4	(30.7 - 38.3)	30.7	(27.1 - 34.5)	13.5	(11.0 - 16.5)
75 +	44.1	(40.0 - 48.2)	37.4	(33.5 - 41.5)	22.9	(19.7 - 26.3)
<b>Gender</b>						
Male	21.7	(19.8 - 23.8)	20.3	(18.4 - 22.3)	5.9	(5.0 - 7.1)
Female	25.9	(24.3 - 27.5)	23.8	(22.3 - 25.5)	8.5	(7.6 - 9.4)
<b>Race/Ethnicity</b>						
White non-Hispanic	24.1	(22.8 - 25.5)	22.5	(21.2 - 23.9)	7.1	(6.4 - 7.9)
Black non-Hispanic	21.4	(17.6 - 25.7)	19.2	(15.6 - 23.5)	7.4	(5.6 - 9.8)
Other non-Hispanic	27.7	(21.1 - 35.5)	26.1	(19.6 - 33.9)	9.2	(6.2 - 13.5)
Hispanic	20.0	(12.6 - 30.2)	16.7	(10.2 - 26.1)	7.0	(3.1 - 15.2)
<b>Education</b>						
Less than high school	33.3	(27.9 - 39.1)	29.3	(24.1 - 35.1)	12.7	(9.8 - 16.2)
High school graduate	26.2	(23.9 - 28.6)	24.5	(22.3 - 26.8)	8.7	(7.4 - 10.2)
Some college	24.8	(22.5 - 27.3)	23.5	(21.2 - 25.9)	7.1	(5.9 - 8.5)
College graduate	17.8	(15.9 - 19.9)	16.2	(14.4 - 18.2)	4.4	(3.5 - 5.4)
<b>Household Income</b>						
< \$20,000	44.5	(40.1 - 49.0)	41.2	(36.8 - 45.7)	17.6	(14.9 - 20.7)
\$20,000 - \$34,999	30.8	(27.6 - 34.2)	28.7	(25.6 - 32.0)	10.2	(8.5 - 12.2)
\$35,000 - \$49,999	21.4	(18.4 - 24.8)	20.1	(17.2 - 23.4)	6.0	(4.4 - 8.1)
\$50,000 - \$74,999	16.9	(14.4 - 19.7)	15.8	(13.4 - 18.5)	3.5	(2.4 - 5.0)
\$75,000 +	13.6	(11.7 - 15.8)	12.6	(10.7 - 14.7)	2.3	(1.6 - 3.3)

<sup>a</sup> The proportion who reported being limited in any activities because of physical, mental, or emotional problems, or reported that they required use of special equipment (such as a cane, a wheelchair, a special bed, or a special telephone) due to a health problem.

<sup>b</sup> The proportion who reported being limited in any activities because of physical, mental, or emotional problems.

<sup>c</sup> 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  
2006 Michigan BRFSS**

Demographic Characteristics	Obese <sup>a</sup>		Overweight <sup>b</sup>		Not Overweight or Obese <sup>c</sup>	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	28.7	(27.3 - 30.2)	36.1	(34.5 - 37.6)	35.2	(33.7 - 36.8)
<b>Age</b>						
18 - 24	15.5	(11.1 - 21.2)	27.5	(21.8 - 34.0)	57.1	(50.2 - 63.7)
25 - 34	29.9	(25.6 - 34.5)	33.9	(29.5 - 38.6)	36.2	(31.8 - 40.8)
35 - 44	29.8	(26.5 - 33.3)	34.6	(31.2 - 38.1)	35.6	(32.3 - 39.0)
45 - 54	32.1	(29.0 - 35.3)	39.5	(36.3 - 42.7)	28.5	(25.7 - 31.3)
55 - 64	35.1	(31.9 - 38.3)	39.6	(36.4 - 42.9)	25.3	(22.6 - 28.3)
65 - 74	34.8	(30.9 - 38.9)	37.6	(33.8 - 41.7)	27.5	(24.2 - 31.2)
75 +	19.7	(16.6 - 23.3)	40.3	(36.2 - 44.5)	40.0	(36.0 - 44.2)
<b>Gender</b>						
Male	30.2	(27.9 - 32.7)	43.0	(40.5 - 45.6)	26.8	(24.5 - 29.2)
Female	27.2	(25.5 - 29.1)	29.2	(27.4 - 31.0)	43.6	(41.6 - 45.7)
<b>Race/Ethnicity</b>						
White non-Hispanic	26.6	(25.1 - 28.2)	36.7	(35.1 - 38.4)	36.6	(35.0 - 38.4)
Black non-Hispanic	38.8	(33.4 - 44.4)	34.6	(29.4 - 40.1)	26.6	(21.9 - 32.0)
Other non-Hispanic	36.7	(28.9 - 45.3)	31.8	(24.4 - 40.2)	31.6	(24.1 - 40.1)
Hispanic	31.1	(21.6 - 42.5)	31.9	(22.5 - 43.0)	37.0	(26.4 - 49.1)
<b>Education</b>						
Less than high school	29.2	(23.9 - 35.0)	31.3	(25.8 - 37.4)	39.5	(33.3 - 46.2)
High school graduate	32.4	(29.7 - 35.2)	36.7	(33.9 - 39.6)	30.9	(28.2 - 33.6)
Some college	29.4	(26.8 - 32.2)	33.2	(30.4 - 36.1)	37.4	(34.4 - 40.4)
College graduate	23.8	(21.4 - 26.5)	39.2	(36.5 - 42.1)	36.9	(34.2 - 39.7)
<b>Household Income</b>						
< \$20,000	33.9	(29.7 - 38.4)	33.4	(29.2 - 37.9)	32.7	(28.4 - 37.3)
\$20,000 - \$34,999	34.7	(31.1 - 38.6)	31.1	(27.6 - 34.9)	34.1	(30.4 - 38.1)
\$35,000 - \$49,999	30.5	(26.8 - 34.5)	38.2	(34.1 - 42.4)	31.3	(27.5 - 35.4)
\$50,000 - \$74,999	28.8	(25.4 - 32.4)	36.4	(32.7 - 40.2)	34.8	(31.3 - 38.6)
\$75,000 +	23.5	(20.8 - 26.5)	40.7	(37.6 - 44.0)	35.7	(32.7 - 38.9)

Note: BMI, body mass index, is defined as weight (in kilograms) divided by height (in meters) squared [weight in kg/(height in meters)<sup>2</sup>]. Weight and height were self-reported. Pregnant women were excluded.

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

<sup>b</sup> The proportion of respondents whose BMI was greater than or equal to 25.0, but less than 30.0.

<sup>c</sup> The proportion of respondents whose BMI was less than 25.0.

**Table 8: Health Care Access**  
**2006 Michigan BRFSS**

Demographic Characteristics	No Health Care Coverage <sup>a</sup> (Among 18 - 64 year olds)		No Personal Health Care Provider <sup>b</sup>		No Health Care Access During Past 12 Months Due to Cost <sup>c</sup>	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	14.6	(13.1 - 16.1)	14.1	(12.8 - 15.4)	12.0	(10.9 - 13.2)
<b>Age</b>						
18 - 24	29.7	(24.0 - 36.2)	29.8	(24.2 - 36.1)	19.8	(15.1 - 25.5)
25 - 34	17.8	(14.4 - 21.9)	22.4	(18.6 - 26.7)	17.1	(13.9 - 21.0)
35 - 44	11.5	(9.3 - 14.1)	13.2	(10.9 - 16.0)	12.4	(10.2 - 15.1)
45 - 54	10.2	(8.3 - 12.5)	11.3	(9.2 - 13.7)	11.1	(9.3 - 13.3)
55 - 64	7.9	(6.3 - 9.8)	6.8	(5.4 - 8.6)	10.1	(8.2 - 12.4)
65 - 74	--	--	4.4	(3.0 - 6.3)	3.9	(2.7 - 5.6)
75 +	--	--	4.8	(3.3 - 7.0)	3.3	(2.1 - 5.1)
<b>Gender</b>						
Male	16.4	(14.2 - 19.0)	19.5	(17.3 - 21.8)	12.0	(10.2 - 14.0)
Female	12.7	(11.1 - 14.5)	9.1	(7.9 - 10.5)	12.1	(10.8 - 13.5)
<b>Race/Ethnicity</b>						
White non-Hispanic	13.1	(11.6 - 14.7)	12.1	(10.9 - 13.5)	11.2	(10.0 - 12.4)
Black non-Hispanic	20.8	(15.8 - 26.7)	22.3	(17.7 - 27.7)	13.9	(10.2 - 18.6)
Other non-Hispanic	14.9	(9.5 - 22.5)	20.1	(13.6 - 28.7)	17.4	(11.7 - 25.1)
Hispanic	21.3	(12.8 - 33.4)	20.8	(12.7 - 32.0)	18.2	(11.2 - 28.0)
<b>Education</b>						
Less than high school	31.8	(24.2 - 40.6)	18.9	(13.9 - 25.2)	18.4	(13.8 - 24.2)
High school graduate	19.3	(16.4 - 22.5)	17.3	(14.9 - 20.0)	12.4	(10.6 - 14.6)
Some college	14.8	(12.4 - 17.4)	12.7	(10.8 - 15.0)	14.9	(12.7 - 17.3)
College graduate	5.9	(4.4 - 7.8)	10.4	(8.6 - 12.5)	7.0	(5.5 - 8.9)
<b>Household Income</b>						
< \$20,000	33.9	(28.6 - 39.6)	21.0	(17.2 - 25.3)	26.6	(22.6 - 31.1)
\$20,000 - \$34,999	28.8	(24.1 - 33.8)	17.5	(14.2 - 21.3)	19.5	(16.3 - 23.2)
\$35,000 - \$49,999	13.0	(9.9 - 17.0)	14.3	(11.1 - 18.2)	9.4	(7.1 - 12.4)
\$50,000 - \$74,999	5.4	(3.6 - 8.0)	9.6	(7.4 - 12.2)	6.9	(5.2 - 9.2)
\$75,000 +	1.6	(0.9 - 3.0)	9.0	(7.1 - 11.2)	3.7	(2.6 - 5.3)

<sup>a</sup> Among those aged 18-64 (n = 4,163), the proportion who reported having no health care coverage, including health insurance, prepaid plans such as HMOs, or government plans, such as Medicare.

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

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

<b>Table 9: No Leisure-Time Physical Activity 2006 Michigan BRFSS</b>		
<b>Demographic Characteristics</b>	<b>No Leisure-Time Physical Activity<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	22.8	(21.6 - 24.2)
<b>Age</b>		
18 – 24	15.4	(11.2 - 20.9)
25 – 34	19.1	(15.8 - 22.8)
35 – 44	18.8	(16.2 - 21.7)
45 – 54	23.8	(21.1 - 26.6)
55 – 64	27.3	(24.5 - 30.2)
65 – 74	29.5	(25.8 - 33.5)
75 +	34.7	( 30.9 - 38.7)
<b>Gender</b>		
Male	20.3	(18.4 - 22.5)
Female	25.1	(23.5 - 26.8)
<b>Race/Ethnicity</b>		
White non-Hispanic	22.3	(21.0 - 23.7)
Black non-Hispanic	30.0	(25.3 - 35.2)
Other non-Hispanic	17.6	(12.4 - 24.5)
Hispanic	14.8	(8.4 - 24.7)
<b>Education</b>		
Less than high school	34.5	(29.0 - 40.4)
High school graduate	32.5	(29.9 - 35.2)
Some college	19.1	(17.0 - 21.4)
College graduate	13.0	(11.3 - 14.9)
<b>Household Income</b>		
< \$20,000	36.5	(32.4 - 40.8)
\$20,000 - \$34,999	29.6	(26.2 - 33.1)
\$35,000 - \$49,999	23.5	(20.2 - 27.1)
\$50,000 - \$74,999	17.8	(15.1 - 20.8)
\$75,000 +	12.0	(10.1 - 14.1)
<sup>a</sup> The proportion who reported not participating in any leisure-time physical activities or exercises such as running, calisthenics, golf, gardening, or walking during the past month.		

**Table 10: Cigarette Smoking  
2006 Michigan BRFSS**

Demographic Characteristics	Current Smoking <sup>a</sup>		Former Smoking <sup>b</sup>		Never Smoked	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	22.1	(20.7 - 23.5)	25.8	(24.5 - 27.1)	52.1	(50.5 - 53.7)
<b>Age</b>						
18 – 24	23.6	(18.6 - 29.3)	9.1	(6.0 - 13.6)	67.3	(61.1 - 73.1)
25 – 34	30.1	(25.9 - 34.6)	16.9	(13.8 - 20.4)	53.1	(48.4 - 57.6)
35 – 44	25.7	(22.7 - 29.1)	18.3	(15.7 - 21.2)	56.0	(52.4 - 59.5)
45 – 54	26.3	(23.6 - 29.3)	27.6	(24.8 - 30.5)	46.1	(43.0 - 49.3)
55 – 64	19.8	(17.3 - 22.5)	38.9	(35.8 - 42.1)	41.3	(38.2 - 44.5)
65 – 74	9.0	(7.0 - 11.5)	44.6	(40.6 - 48.7)	46.3	(42.4 - 50.4)
75 +	3.0	(2.0 - 4.5)	41.2	(37.2 - 45.4)	55.8	(51.6 - 59.9)
<b>Gender</b>						
Male	24.2	(22.0 - 26.6)	30.1	(27.9 - 32.4)	45.7	(43.1 - 48.3)
Female	20.1	(18.5 - 21.8)	21.8	(20.4 - 23.4)	58.1	(56.1 - 60.0)
<b>Race/Ethnicity</b>						
White non-Hispanic	20.8	(19.4 - 22.3)	27.5	(26.1 - 29.0)	51.7	(50.0 - 53.4)
Black non-Hispanic	30.6	(25.7 - 36.1)	16.2	(12.9 - 20.2)	53.2	(47.7 - 58.6)
Other non-Hispanic	21.2	(14.8 - 29.4)	23.3	(17.4 - 30.4)	55.5	(47.1 - 63.6)
Hispanic	21.8	(14.1 - 32.1)	22.7	(14.5 - 33.8)	55.5	(44.3 - 66.2)
<b>Education</b>						
Less than high school	38.8	(32.6 - 45.3)	25.6	(21.0 - 30.8)	35.7	(29.9 - 41.9)
High school graduate	29.1	(26.4 - 31.9)	25.2	(22.9 - 27.5)	45.7	(42.9 - 48.6)
Some college	21.8	(19.5 - 24.3)	26.5	(24.1 - 29.1)	51.7	(48.7 - 54.6)
College graduate	10.1	(8.5 - 12.0)	25.8	(23.5 - 28.2)	64.1	(61.4 - 66.7)
<b>Household Income</b>						
< \$20,000	35.2	(30.9 - 39.7)	24.1	(20.6 - 28.0)	40.8	(36.3 - 45.3)
\$20,000 - \$34,999	30.2	(26.5 - 34.1)	26.7	(23.6 - 30.0)	43.2	(39.3 - 47.1)
\$35,000 - \$49,999	25.5	(21.8 - 29.5)	24.2	(21.0 - 27.7)	50.3	(46.2 - 54.5)
\$50,000 - \$74,999	17.7	(14.9 - 20.9)	29.7	(26.5 - 33.1)	52.6	(48.8 - 56.4)
\$75,000 +	13.5	(11.4 - 15.9)	26.2	(23.5 - 29.0)	60.4	(57.2 - 63.5)

<sup>a</sup> The proportion who reported that they had ever smoked at least 100 cigarettes (5 packs) in their life and that they smoke cigarettes now, either every day or on some days.

<sup>b</sup> 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 11: Ever Received Advice to Quit Smoking  
2006 Michigan BRFSS**

Demographic Characteristics	Among Current Smokers <sup>a</sup>		Among Former Smokers <sup>b</sup>		Among Ever Smokers <sup>c</sup>	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	85.2	(82.0 - 87.9)	36.9	(34.1 - 39.7)	59.4	(57.1 - 61.6)
<b>Age</b>						
18 – 34	77.4	(70.2 - 83.3)	42.6	(33.2 - 52.5)	66.0	(60.0 - 71.4)
35 – 44	87.0	(80.1 - 91.7)	41.6	(33.5 - 50.3)	68.5	(63.0 - 73.5)
45 – 54	91.1	(86.7 - 94.2)	36.5	(30.7 - 42.8)	63.5	(59.0 - 67.7)
55 – 64	91.5	(86.2 - 94.8)	38.6	(33.5 - 44.0)	56.5	(52.1 - 60.8)
65+	91.9	(84.3 - 96.0)	30.8	(26.8 - 35.1)	38.2	(34.2 - 42.4)
<b>Gender</b>						
Male	80.2	(74.8 - 84.7)	37.3	(33.3 - 41.4)	56.5	(53.1 - 59.9)
Female	90.8	(87.6 - 93.2)	36.4	(32.7 - 40.2)	62.9	(60.0 - 65.6)
<b>Race/Ethnicity</b>						
White non-Hispanic	86.8	(83.5 - 89.5)	37.5	(34.6 - 40.6)	59.0	(56.6 - 61.3)
Black non-Hispanic	80.7	(69.8 - 88.4)	37.1	(26.1 - 49.6)	66.0	(57.8 - 73.4)
Other non-Hispanic	— <sup>d</sup>		25.0	(14.4 - 39.6)	49.5	(37.2 - 61.9)
Hispanic	— <sup>d</sup>		— <sup>d</sup>		— <sup>d</sup>	
<b>Education</b>						
Less than high school	83.4	(72.4 - 90.6)	33.4	(24.7 - 43.5)	63.7	(55.8 - 70.9)
High school graduate	82.9	(77.3 - 87.3)	44.8	(39.7 - 50.0)	65.4	(61.6 - 69.1)
Some college	90.1	(85.0 - 93.6)	36.2	(31.1 - 41.5)	60.5	(56.5 - 64.4)
College graduate	83.3	(74.0 - 89.8)	30.0	(25.5 - 35.0)	45.5	(40.9 - 50.1)
<b>Household Income</b>						
< \$20,000	84.5	(77.0 - 89.9)	38.5	(30.4 - 47.3)	66.5	(60.6 - 71.9)
\$20,000 - \$34,999	81.9	(74.0 - 87.8)	41.8	(35.3 - 48.6)	63.1	(57.8 - 68.1)
\$35,000 - \$49,999	84.5	(75.0 - 90.8)	32.6	(26.1 - 39.9)	58.8	(52.9 - 64.5)
\$50,000 - \$74,999	91.8	(84.3 - 95.8)	41.3	(35.1 - 47.8)	60.2	(54.8 - 65.3)
\$75,000 +	90.3	(83.9 - 94.4)	34.5	(28.6 - 41.0)	54.2	(49.1 - 59.3)

<sup>a</sup> Among current smokers (n = 1,119), the proportion who had ever been advised to quit smoking by a doctor, nurse, or other health care professional.

<sup>b</sup> Among former smokers (n = 1,668), the proportion who had ever been advised to quit smoking by a doctor, nurse, or other health care professional.

<sup>c</sup> Among respondents who reported ever smoking (2,787), the proportion who had ever been advised to quit smoking by a doctor, nurse, or other health care professional.

<sup>d</sup> The denominator in this subgroup was less than 50.

<b>Table 12: Quit Attempts Among Current Smokers 2006 Michigan BRFSS</b>		
<b>Demographic Characteristics</b>	<b>Tried to Quit Smoking One Day or Longer in Past Year<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	62.2	(58.7 - 65.7)
<b>Age</b>		
18 – 24	65.2	(52.0 - 76.5)
25 – 34	66.0	(57.0 - 74.0)
35 – 44	62.6	(55.4 - 69.3)
45 – 54	55.8	(49.4 - 62.0)
55 – 64	64.3	(57.1 - 70.9)
65 +	61.9	(51.2 - 71.5)
<b>Gender</b>		
Male	60.6	(55.1 - 65.9)
Female	64.1	(59.7 - 68.3)
<b>Race/Ethnicity</b>		
White non-Hispanic	59.5	(55.6 - 63.3)
Black non-Hispanic	72.0	(61.4 - 80.6)
Other non-Hispanic	_ <sup>b</sup>	
Hispanic	_ <sup>b</sup>	
<b>Education</b>		
Less than high school	58.8	(47.5 - 69.3)
High school graduate	63.3	(57.8 - 68.6)
Some college	60.7	(54.3 - 66.7)
College graduate	66.4	(58.1 - 73.9)
<b>Household Income</b>		
< \$20,000	66.7	(58.8 - 73.7)
\$20,000 - \$34,999	65.1	(57.3 - 72.1)
\$35,000 - \$49,999	64.8	(56.3 - 72.4)
\$50,000 - \$74,999	62.4	(52.9 - 71.0)
\$75,000 +	54.4	(45.5 - 63.0)

<sup>a</sup> Among current smokers (n = 1,119), the proportion who reported that during the past 12 months, they had tried to quit smoking for one day or longer.  
<sup>b</sup> The denominator in this subgroup was less than 50.

<b>Table 13: Alcohol Consumption 2006 Michigan BRFSS</b>				
<b>Demographic Characteristics</b>	<b>Heavy Drinking<sup>a</sup></b>		<b>Binge Drinking<sup>b</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	4.9	(4.2 - 5.7)	17.5	(16.2 - 18.9)
<b>Age</b>				
18 – 24	7.9	(4.9 - 12.5)	28.9	(23.2 - 35.3)
25 – 34	5.0	(3.4 - 7.5)	27.9	(23.9 - 32.3)
35 – 44	4.6	(3.4 - 6.2)	21.8	(19.0 - 25.0)
45 – 54	5.5	(4.2 - 7.3)	14.7	(12.6 - 17.1)
55 – 64	4.5	(3.4 - 5.9)	9.7	(7.9 - 11.8)
65 – 74	4.0	(2.8 - 5.8)	5.5	(4.0 - 7.6)
75 +	1.2	(0.6 - 2.2)	2.3	(1.3 - 4.0)
<b>Gender</b>				
Male	5.7	(4.6 - 7.1)	24.5	(22.2 - 26.9)
Female	4.1	(3.4 - 5.1)	11.1	(9.8 - 12.6)
<b>Race/Ethnicity</b>				
White non-Hispanic	5.2	(4.4 - 6.1)	18.1	(16.7 - 19.7)
Black non-Hispanic	2.9	(1.5 - 5.7)	12.3	(8.8 - 17.0)
Other non-Hispanic	5.2	(2.4 - 11.0)	18.0	(11.9 - 26.3)
Hispanic	6.1	(2.4 - 14.9)	22.8	(14.4 - 34.0)
<b>Education</b>				
Less than high school	7.4	(4.3 - 12.3)	17.6	(12.8 - 23.8)
High school graduate	4.7	(3.5 - 6.2)	17.9	(15.5 - 20.5)
Some college	5.3	(4.1 - 6.9)	19.3	(16.9 - 21.9)
College graduate	4.1	(3.2 - 5.4)	15.2	(13.2 - 17.5)
<b>Household Income</b>				
< \$20,000	7.4	(5.0 - 10.7)	15.0	(11.7 - 19.2)
\$20,000 - \$34,999	4.7	(3.1 - 7.1)	13.5	(10.7 - 17.0)
\$35,000 - \$49,999	7.3	(5.2 - 10.1)	18.8	(15.5 - 22.7)
\$50,000 - \$74,999	3.1	(2.2 - 4.5)	19.2	(16.3 - 22.5)
\$75,000 +	5.0	(3.8 - 6.6)	21.0	(18.4 - 24.0)

<sup>a</sup> 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.

<sup>b</sup> 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.

<b>Table 14: Mean Number of Binge Drinking Occasions During the Past Month Among Binge Drinkers 2006 Michigan BRFSS</b>		
<b>Demographic Characteristics</b>	<b>Number of Binge Drinking Occasions<sup>a</sup></b>	
	<b>Mean</b>	<b>95% Confidence Interval</b>
<b>Total</b>	3.8	(3.3 - 4.2)
<b>Age</b>		
18 – 24	4.8	(3.4 - 6.2)
25 – 34	3.1	(2.4 - 3.7)
35 – 44	3.7	(3.0 - 4.4)
45 – 54	3.7	(2.9 - 4.4)
55 – 64	4.1	(2.9 - 5.3)
65+	2.9	(1.9 - 4.0)
<b>Gender</b>		
Male	4.1	(3.5 - 4.2)
Female	3.1	(2.6 - 3.7)
<b>Race/Ethnicity</b>		
White non-Hispanic	3.6	(3.2 - 4.1)
Black non-Hispanic	– <sup>b</sup>	
Other non-Hispanic	– <sup>b</sup>	
Hispanic	– <sup>b</sup>	
<b>Education</b>		
High school graduate or less	4.2	(3.6 - 4.8)
Some college	3.6	(3.0 - 4.2)
College graduate	3.3	(2.2 - 4.4)
<b>Household Income</b>		
< \$20,000	5.9	(4.2 - 7.7)
\$20,000 - \$34,999	3.3	(2.3 - 4.2)
\$35,000 - \$49,999	4.5	(2.9 - 6.2)
\$50,000 - \$74,999	2.8	(2.3 - 3.4)
\$75,000 +	3.2	(2.6 - 3.7)
<sup>a</sup> Among those who binge drank in the past month (n = 751), 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. <sup>b</sup> The denominator in this subgroup was less than 50.		

<b>Table 15: Drove Motor Vehicle After Drinking 2006 Michigan BRFSS</b>		
<b>Demographic Characteristics</b>	<b>Drove Motor Vehicle After Drinking<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	3.1	(2.5 - 3.7)
<b>Age</b>		
18 – 24	5.3	(3.0 - 9.1)
25 – 34	2.9	(1.8 - 4.8)
35 – 44	5.1	(3.7 - 7.0)
45 – 54	2.8	(1.9 - 4.1)
55 – 64	2.1	(1.4 - 3.1)
65 – 74	0.3	(0.1 - 1.7)
75 +	0.4	(0.1 - 1.4)
<b>Gender</b>		
Male	5.1	(4.0 - 6.3)
Female	1.2	(0.8 - 1.8)
<b>Race/Ethnicity</b>		
White non-Hispanic	3.4	(2.8 - 4.2)
Black non-Hispanic	1.0	(0.4 - 2.2)
Other non-Hispanic	3.4	(1.1 - 10.0)
Hispanic	2.4	(0.3 - 14.9)
<b>Education</b>		
Less than high school	2.0	(0.6 - 6.1)
High school graduate	2.7	(1.8 - 3.9)
Some college	3.7	(2.6 - 5.1)
College graduate	3.2	(2.3 - 4.5)
<b>Household Income</b>		
< \$20,000	3.5	(1.9 - 6.2)
\$20,000 - \$34,999	2.3	(1.2 - 4.4)
\$35,000 - \$49,999	3.4	(2.3 - 5.1)
\$50,000 - \$74,999	3.1	(2.1 - 4.7)
\$75,000 +	4.4	(3.2 - 6.1)
<sup>a</sup> Proportion who reported that they had driven when they'd had too much to drink at least once in the previous month.		

<b>Table 16: Seatbelt Use 2006 Michigan BRFSS</b>		
<b>Demographic Characteristics</b>	<b>Always Uses a Seatbelt<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	87.8	(86.5 - 88.9)
<b>Age</b>		
18 – 24	80.2	(74.3 - 84.9)
25 – 34	83.4	(79.4 - 86.8)
35 – 44	87.6	(85.0 - 89.8)
45 – 54	90.5	(88.3 - 92.3)
55 – 64	91.6	(89.6 - 93.2)
65 – 74	88.5	(85.1 - 91.2)
75 +	94.1	(91.9 - 95.7)
<b>Gender</b>		
Male	83.4	(81.2 - 85.3)
Female	91.9	(90.5 - 93.0)
<b>Race/Ethnicity</b>		
White non-Hispanic	87.9	(86.6 - 89.2)
Black non-Hispanic	87.2	(82.7 - 90.6)
Other non-Hispanic	89.3	(82.2 - 93.8)
Hispanic	84.2	(73.3 - 91.2)
<b>Education</b>		
Less than high school	84.0	(77.8 - 88.7)
High school graduate	87.2	(84.9 - 89.2)
Some college	86.1	(83.7 - 88.2)
College graduate	91.2	(89.3 - 92.7)
<b>Household Income</b>		
< \$20,000	83.8	(79.6 - 87.2)
\$20,000 - \$34,999	87.5	(84.2 - 90.2)
\$35,000 - \$49,999	88.8	(85.6 - 91.4)
\$50,000 - \$74,999	89.1	(86.4 - 91.3)
\$75,000 +	88.0	(85.5 - 90.1)

<sup>a</sup> The proportion who reported always using a seatbelt when driving or riding in a car.

<b>Table 17: No Routine Checkup in Past Year 2006 Michigan BRFSS</b>		
<b>Demographic Characteristics</b>	<b>Had No Routine Checkup in Past Year<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	31.3	(29.8 - 32.9)
<b>Age</b>		
18 - 24	37.5	(31.4 - 44.2)
25 - 34	47.0	(42.4 - 51.6)
35 - 44	37.3	(33.9 - 40.8)
45 - 54	30.4	(27.5 - 33.5)
55 - 64	22.0	(19.5 - 24.8)
65 - 74	15.7	(13.0 - 18.7)
75 +	11.1	(8.8 - 13.8)
<b>Gender</b>		
Male	37.2	(34.6 - 39.8)
Female	26.0	(24.2 - 27.8)
<b>Race/Ethnicity</b>		
White non-Hispanic	32.9	(31.3 - 34.6)
Black non-Hispanic	21.5	(17.0 - 26.8)
Other non-Hispanic	34.0	(26.3 - 42.6)
Hispanic	28.8	(19.8 - 39.9)
<b>Education</b>		
Less than high school	26.9	(21.5 - 33.1)
High school graduate	31.4	(28.7 - 34.3)
Some college	33.5	(30.6 - 36.4)
College graduate	30.3	(27.7 - 33.1)
<b>Household Income</b>		
< \$20,000	34.3	(30.0 - 38.8)
\$20,000 - \$34,999	34.0	(30.2 - 38.0)
\$35,000 - \$49,999	37.4	(33.2 - 41.8)
\$50,000 - \$74,999	30.5	(27.0 - 34.2)
\$75,000 +	26.5	(23.7 - 29.6)
<sup>a</sup> The proportion who reported that they did not have a routine checkup in the past year.		

**Table 18: Clinical Breast Exam Indicators Among Women Aged 20 Years and Older  
2006 Michigan BRFS**

Demographic Characteristics	Ever Had Clinical Breast Exam <sup>a</sup>		Had Appropriately Timed Clinical Breast Exam <sup>b</sup>	
	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	93.6	(92.5 - 94.7)	75.4	(73.7 - 77.0)
<b>Age</b>				
20 – 29	84.8	(78.7 - 89.4)	81.8	(75.4 - 86.7)
30 – 39	95.4	(92.9 - 97.0)	89.8	(86.4 - 92.5)
40 – 49	97.3	(95.7 - 98.4)	69.7	(65.8 - 73.3)
50 – 59	97.8	(96.4 - 98.7)	73.3	(69.7 - 76.6)
60 – 69	96.0	(93.9 - 97.4)	74.3	(70.4 - 77.8)
70 +	88.3	(85.4 - 90.7)	59.5	(55.4 - 63.5)
<b>Race/Ethnicity</b>				
White non-Hispanic	94.2	(93.0 - 95.3)	74.8	(73.0 - 76.6)
Black non-Hispanic	90.2	(85.3 - 93.6)	78.7	(73.1 - 83.4)
Other non-Hispanic	91.4	(82.2 - 96.1)	70.9	(60.7 - 79.4)
Hispanic	95.4	(86.3 - 98.6)	81.5	(69.8 - 89.3)
<b>Education</b>				
Less than high school	86.0	(79.5 - 90.7)	61.5	(53.8 - 68.6)
High school graduate	91.7	(89.4 - 93.5)	70.0	(66.9 - 73.0)
Some college	94.3	(91.8 - 96.1)	76.6	(73.3 - 79.5)
College graduate	97.3	(95.9 - 98.2)	83.5	(80.9 - 85.8)
<b>Household Income</b>				
< \$20,000	90.8	(87.7 - 93.2)	67.3	(62.6 - 71.7)
\$20,000 - \$34,999	91.7	(88.7 - 94.0)	70.6	(66.4 - 74.5)
\$35,000 - \$49,999	95.6	(92.7 - 97.4)	76.3	(71.8 - 80.2)
\$50,000 - \$74,999	99.0	(96.6 - 99.7)	85.7	(82.1 - 88.7)
\$75,000 +	96.7	(94.3 - 98.1)	82.8	(79.5 - 85.6)

<sup>a</sup> Among women aged 20 years and older (n = 3,530), the proportion who reported ever having a clinical breast exam.

<sup>b</sup> 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 19: Mammography Indicators Among Women Aged 40 Years and Older  
2006 Michigan BRFSS**

Demographic Characteristics	Ever Had Mammogram <sup>a</sup>		Had Mammogram in Past Year <sup>b</sup>		Had Clinical Breast Exam and Mammogram in Past Year <sup>c</sup>	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	93.6	(92.4 - 94.6)	64.3	(62.2 - 66.3)	57.2	(55.1 - 59.3)
<b>Age</b>						
40 – 49	86.9	(83.7 - 89.5)	54.9	(50.8 - 59.0)	51.5	(47.4 - 55.7)
50 – 59	97.2	(95.8 - 98.2)	69.1	(65.4 - 72.6)	63.2	(59.3 - 66.9)
60 – 69	97.3	(95.4 - 98.4)	72.4	(68.4 - 76.1)	66.2	(62.0 - 70.1)
70 +	95.3	(93.3 - 96.7)	64.7	(60.7 - 68.6)	50.1	(45.9 - 54.3)
<b>Race/Ethnicity</b>						
White non-Hispanic	94.1	(92.9 - 95.1)	65.1	(63.0 - 67.2)	57.6	(55.4 - 59.8)
Black non-Hispanic	94.4	(89.5 - 97.1)	60.6	(52.9 - 67.8)	54.8	(47.3 - 62.1)
Other non-Hispanic	80.9	(68.5 - 89.2)	54.1	(42.6 - 65.2)	50.5	(39.3 - 61.6)
Hispanic	— <sup>d</sup>		— <sup>d</sup>		— <sup>d</sup>	
<b>Education</b>						
Less than high school	91.7	(86.8 - 94.9)	56.9	(49.0 - 64.4)	44.7	(37.2 - 52.4)
High school graduate	93.5	(91.6 - 95.0)	63.1	(59.7 - 66.4)	55.2	(51.7 - 58.6)
Some college	93.3	(90.8 - 95.2)	64.9	(60.9 - 68.7)	59.0	(55.0 - 62.9)
College graduate	94.7	(92.2 - 96.4)	67.4	(63.5 - 71.1)	61.6	(57.6 - 65.4)
<b>Household Income</b>						
< \$20,000	93.7	(90.9 - 95.7)	54.3	(49.0 - 59.6)	46.5	(41.3 - 51.8)
\$20,000 - \$34,999	92.1	(88.5 - 94.7)	65.1	(60.3 - 69.6)	55.3	(50.4 - 60.0)
\$35,000 - \$49,999	91.9	(87.9 - 94.6)	64.0	(58.4 - 69.3)	59.1	(53.4 - 64.5)
\$50,000 - \$74,999	94.4	(90.9 - 96.6)	68.7	(63.1 - 73.8)	63.6	(57.9 - 68.9)
\$75,000 +	94.8	(92.1 - 96.6)	66.8	(62.2 - 71.1)	61.6	(57.0 - 66.1)

Note: Data included diagnostic tests.  
Among women aged 40 years and older (n = 2,795), the proportion who...  
<sup>a</sup> reported ever having a mammogram.  
<sup>b</sup> reported having a mammogram in the past year.  
<sup>c</sup> had both a clinical breast exam and mammogram in the previous year.  
<sup>d</sup> The denominator in this subgroup was less than 50.

<b>Table 20: Cervical Cancer Screening 2006 Michigan BRFSS</b>				
<b>Demographic Characteristics</b>	<b>Ever Had Pap Test<sup>a</sup></b>		<b>Had Appropriately Timed Pap Test<sup>b</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	94.8	(93.5 - 95.9)	82.6	(81.0 - 84.1)
<b>Age</b>				
18 - 29	81.2	(75.2 - 86.0)	77.7	(71.6 - 82.8)
30 - 39	98.4	(96.2 - 99.4)	91.1	(87.6 - 93.6)
40 - 49	99.5	(98.7 - 99.8)	89.4	(86.6 - 91.7)
50 - 59	99.1	(97.8 - 99.6)	85.1	(82.1 - 87.7)
60 - 69	99.2	(98.1 - 99.7)	82.4	(78.6 - 85.6)
70 +	92.5	(90.1 - 94.4)	64.5	(60.3 - 68.4)
<b>Race/Ethnicity</b>				
White non-Hispanic	94.6	(93.1 - 95.8)	81.7	(79.8 - 83.4)
Black non-Hispanic	96.0	(91.6 - 98.1)	87.7	(82.8 - 91.4)
Other non-Hispanic	94.1	(85.5 - 97.7)	82.2	(73.2 - 88.7)
Hispanic	95.7	(83.5 - 99.0)	84.9	(72.6 - 92.2)
<b>Education</b>				
Less than high school	93.3	(86.6 - 96.8)	71.4	(64.0 - 77.9)
High school graduate	94.1	(91.7 - 95.9)	78.4	(75.3 - 81.1)
Some college	92.6	(89.5 - 94.9)	81.4	(78.0 - 84.3)
College graduate	98.8	(97.8 - 99.4)	92.1	(90.1 - 93.8)
<b>Household Income</b>				
< \$20,000	93.6	(89.6 - 96.1)	73.5	(68.7 - 77.8)
\$20,000 - \$34,999	95.6	(92.7 - 97.4)	78.2	(74.2 - 81.8)
\$35,000 - \$49,999	96.9	(93.5 - 98.5)	84.8	(80.5 - 88.4)
\$50,000 - \$74,999	99.1	(97.2 - 99.7)	92.1	(89.2 - 94.3)
\$75,000 +	96.5	(93.5 - 98.2)	90.6	(87.5 - 93.0)
<p>Note: Data included diagnostic tests.  Among women aged 18 years and older (n = 3,604), the proportion who...  <sup>a</sup> reported ever having a Pap test.  <sup>b</sup> had a Pap test within the previous three years.</p>				

**Table 21: Prostate Cancer Screening Among Men Aged 50 Years and Older  
2006 Michigan BRFS**

Demographic Characteristics	Ever Had DRE <sup>a</sup>		Had DRE in Past Year <sup>b</sup>		Ever Had PSA Test <sup>c</sup>		Had PSA Test in Past Year <sup>d</sup>	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	88.8	(86.4 - 90.7)	54.9	(51.6 - 58.1)	81.8	(79.0 - 84.2)	60.4	(57.1 - 63.6)
<b>Age</b>								
50 - 59	84.7	(80.6 - 88.1)	48.8	(43.8 - 53.9)	74.2	(69.6 - 78.4)	53.3	(48.1 - 58.4)
60 - 69	93.0	(89.6 - 95.4)	63.5	(57.9 - 68.8)	88.5	(83.6 - 92.1)	69.7	(64.0 - 75.0)
70 +	91.7	(87.5 - 94.5)	56.7	(50.5 - 62.8)	88.7	(84.3 - 92.0)	63.6	(57.3 - 69.5)
<b>Race/Ethnicity</b>								
White non-Hispanic	89.0	(86.7 - 91.0)	54.9	(51.5 - 58.2)	81.6	(78.7 - 84.2)	61.1	(57.7 - 64.4)
Black non-Hispanic	84.4	(71.6 - 92.1)	50.3	(37.1 - 63.4)	93.7	(84.2 - 97.7)	63.6	(49.9 - 75.3)
Other non-Hispanic	— <sup>e</sup>		— <sup>e</sup>		— <sup>e</sup>		— <sup>e</sup>	
Hispanic	— <sup>e</sup>		— <sup>e</sup>		— <sup>e</sup>		— <sup>e</sup>	
<b>Education</b>								
< High school	85.0	(74.7 - 91.5)	52.5	(40.9 - 63.9)	74.8	(63.7 - 83.4)	55.8	(43.6 - 67.3)
High school graduate	88.5	(84.2 - 91.8)	54.1	(48.2 - 60.0)	78.9	(73.3 - 83.5)	52.8	(46.6 - 58.9)
Some college	85.8	(80.8 - 89.7)	50.1	(44.2 - 56.1)	81.9	(76.9 - 86.1)	58.6	(52.5 - 64.5)
College graduate	93.1	(89.4 - 95.5)	61.6	(55.9 - 67.0)	86.6	(81.8 - 90.3)	71.3	(65.7 - 76.3)
<b>Household Income</b>								
< \$20,000	83.5	(75.3 - 89.3)	34.9	(26.7 - 44.1)	57.6	(47.7 - 67.0)	33.3	(25.1 - 42.6)
\$20,000 - \$34,999	88.9	(83.5 - 92.7)	51.1	(44.1 - 58.0)	83.2	(77.3 - 87.8)	56.8	(49.4 - 63.8)
\$35,000 - \$49,999	90.3	(84.9 - 93.9)	52.1	(44.1 - 60.1)	82.7	(74.6 - 88.6)	59.8	(51.2 - 67.8)
\$50,000 - \$74,999	90.0	(83.8 - 93.9)	63.1	(55.1 - 70.4)	81.5	(74.4 - 87.0)	66.3	(58.1 - 73.6)
\$75,000 +	88.8	(82.7 - 92.9)	60.9	(54.0 - 67.5)	86.4	(80.8 - 90.5)	68.6	(61.9 - 74.7)

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 6.2% (4.8 - 7.9).

Among men aged 50 years and older (n = 1,145), the proportion who reported...

<sup>a</sup> ever having a digital rectal exam.

<sup>b</sup> having a digital rectal exam in the past year.

<sup>c</sup> ever having a prostate-specific antigen (PSA) test.

<sup>d</sup> having a PSA test in the past year.

<sup>e</sup> The denominator in this subgroup was less than 50.

<b>Table 22: Colorectal Cancer Screening (Blood Stool Test) Among Adults Aged 50 Years and Older 2006 Michigan BRFSS</b>				
<b>Demographic Characteristics</b>	<b>Ever Had Blood Stool Test<sup>a</sup></b>		<b>Had Blood Stool Test in Past Two Years<sup>b</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	49.1	(47.2 - 51.1)	27.5	(25.7 - 29.3)
<b>Age</b>				
50 - 59	41.8	(38.7 - 45.0)	24.2	(21.5 - 27.0)
60 - 69	52.8	(49.3 - 56.4)	28.7	(25.6 - 32.0)
70 +	56.5	(53.0 - 59.9)	31.1	(28.0 - 34.5)
<b>Gender</b>				
Male	46.4	(43.2 - 49.7)	27.0	(24.2 - 29.9)
Female	51.4	(49.0 - 53.8)	27.9	(25.7 - 30.1)
<b>Race/Ethnicity</b>				
White non-Hispanic	50.1	(48.1 - 52.2)	27.6	(25.8 - 29.5)
Black non-Hispanic	47.8	(40.2 - 55.5)	30.6	(23.8 - 38.3)
Other non-Hispanic	37.9	(27.9 - 49.1)	22.0	(14.3 - 32.2)
Hispanic	— <sup>c</sup>		— <sup>c</sup>	
<b>Education</b>				
Less than high school	44.1	(37.6 - 50.7)	24.9	(19.6 - 31.1)
High school graduate	45.9	(42.7 - 49.2)	25.0	(22.3 - 28.0)
Some college	49.0	(45.2 - 52.7)	27.7	(24.4 - 31.2)
College graduate	55.5	(51.8 - 59.2)	31.4	(28.1 - 35.0)
<b>Household Income</b>				
< \$20,000	45.7	(40.8 - 50.6)	25.2	(21.1 - 29.7)
\$20,000 - \$34,999	48.5	(44.3 - 52.7)	26.8	(23.2 - 30.7)
\$35,000 - \$49,999	46.1	(41.1 - 51.2)	25.9	(21.8 - 30.4)
\$50,000 - \$74,999	49.0	(43.5 - 54.5)	27.6	(23.1 - 32.5)
\$75,000 +	52.8	(48.1 - 57.5)	31.4	(27.1 - 36.1)
Among those aged 50 years and older (n=3,234), the proportion who...				
<sup>a</sup> 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?"				
<sup>b</sup> had a blood stool test within the past two years using a home kit.				
<sup>c</sup> The denominator in this subgroup was less than 50.				

<b>Table 23: Colorectal Cancer Screening (Sigmoidoscopy/Colonoscopy) Among Adults Aged 50 Years and Older 2006 Michigan BRFSS</b>				
<b>Demographic Characteristics</b>	<b>Ever Had a Sigmoidoscopy or Colonoscopy<sup>a</sup></b>		<b>Had Sigmoidoscopy or Colonoscopy in Past 5 Years<sup>b</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	66.3	(64.4 - 68.1)	55.9	(54.0 - 57.9)
<b>Age</b>				
50 - 59	57.7	(54.5 - 60.8)	49.8	(46.6 - 53.1)
60 - 69	73.5	(70.3 - 76.4)	62.6	(59.2 - 65.9)
70 +	72.3	(69.0 - 75.3)	58.7	(55.2 - 62.1)
<b>Gender</b>				
Male	67.2	(64.1 - 70.3)	57.3	(54.0 - 60.5)
Female	65.5	(63.2 - 67.7)	54.8	(52.4 - 57.2)
<b>Race/Ethnicity</b>				
White non-Hispanic	65.8	(63.8 - 67.7)	55.3	(53.2 - 57.3)
Black non-Hispanic	71.4	(63.9 - 77.9)	61.7	(53.8 - 69.1)
Other non-Hispanic	68.4	(57.4 - 77.6)	56.1	(44.8 - 66.7)
Hispanic	— <sup>c</sup>		— <sup>c</sup>	
<b>Education</b>				
Less than high school	60.4	(53.7 - 66.7)	48.3	(41.6 - 55.1)
High school graduate	63.8	(60.6 - 66.9)	54.8	(51.4 - 58.0)
Some college	65.5	(61.8 - 69.1)	54.7	(50.9 - 58.5)
College graduate	72.4	(69.0 - 75.6)	61.4	(57.8 - 65.0)
<b>Household Income</b>				
< \$20,000	59.9	(54.9 - 64.6)	48.6	(43.7 - 53.6)
\$20,000 - \$34,999	66.7	(62.6 - 70.6)	54.7	(50.4 - 58.9)
\$35,000 - \$49,999	65.7	(60.6 - 70.5)	55.2	(50.0 - 60.3)
\$50,000 - \$74,999	70.0	(64.8 - 74.7)	60.2	(54.7 - 65.4)
\$75,000 +	68.5	(63.9 - 72.8)	60.9	(56.2 - 65.5)
Among those aged 50 years and older (n = 3,234), the proportion who...				
<sup>a</sup> 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?"				
<sup>b</sup> had a sigmoidoscopy or colonoscopy with the past five years.				
<sup>c</sup> The denominator in this subgroup was less than 50.				

Demographic Characteristics	No Dental Visit in Past Year <sup>a</sup>		No Teeth Cleaning in Past Year <sup>b</sup>		6+ Teeth Missing	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	25.4	(24.0 - 26.9)	25.6	(24.1 - 27.1)	15.8	(14.8 - 16.9)
<b>Age</b>						
18 - 24	26.0	(20.6 - 32.2)	28.7	(23.1 - 35.1)	0.8	(0.2 - 3.8)
25 - 34	28.8	(24.7 - 33.2)	31.1	(26.9 - 35.6)	2.3	(1.2 - 4.4)
35 - 44	25.2	(22.2 - 28.6)	27.4	(24.2 - 30.9)	5.2	(3.9 - 6.9)
45 - 54	21.5	(19.0 - 24.3)	23.5	(20.7 - 26.5)	14.9	(12.7 - 17.5)
55 - 64	23.2	(20.5 - 26.2)	19.4	(16.8 - 22.3)	27.3	(24.4 - 30.4)
65 - 74	27.3	(23.6 - 31.3)	21.0	(17.4 - 25.1)	42.6	(38.5 - 46.7)
75 +	30.6	(26.9 - 34.7)	25.0	(21.1 - 29.4)	48.5	(44.3 - 52.8)
<b>Gender</b>						
Male	27.7	(25.4 - 30.1)	27.9	(25.5 - 30.4)	14.3	(12.8 - 16.0)
Female	23.4	(21.7 - 25.2)	23.5	(21.7 - 25.3)	17.2	(15.9 - 18.6)
<b>Race/Ethnicity</b>						
White non-Hispanic	23.1	(21.7 - 24.6)	22.7	(21.2 - 24.2)	15.0	(14.0 - 16.1)
Black non-Hispanic	36.7	(31.6 - 42.2)	38.7	(33.1 - 44.5)	21.2	(17.5 - 25.5)
Other non-Hispanic	35.0	(27.5 - 43.3)	35.4	(27.4 - 44.3)	18.6	(13.5 - 25.0)
Hispanic	23.6	(15.6 - 34.1)	32.2	(22.4 - 43.8)	7.7	(3.5 - 16.1)
<b>Education</b>						
Less than high school	47.1	(40.9 - 53.5)	47.3	(40.2 - 54.5)	34.0	(28.8 - 39.7)
High school graduate	31.8	(29.1 - 34.5)	30.7	(27.9 - 33.7)	22.5	(20.4 - 24.7)
Some college	25.7	(23.1 - 28.4)	26.9	(24.2 - 29.8)	13.1	(11.5 - 14.9)
College graduate	12.6	(10.8 - 14.7)	14.1	(12.2 - 16.3)	6.5	(5.5 - 7.8)
<b>Household Income</b>						
< \$20,000	51.5	(46.9 - 56.1)	54.0	(49.0 - 59.0)	33.9	(30.0 - 38.1)
\$20,000 - \$34,999	37.9	(34.1 - 41.9)	37.4	(33.4 - 41.6)	23.8	(21.0 - 26.8)
\$35,000 - \$49,999	24.9	(21.2 - 28.9)	26.3	(22.4 - 30.6)	14.9	(12.4 - 17.8)
\$50,000 - \$74,999	17.2	(14.4 - 20.4)	17.5	(14.6 - 20.9)	9.4	(7.5 - 11.7)
\$75,000 +	10.1	(8.2 - 12.3)	11.0	(9.0 - 13.4)	4.7	(3.7 - 6.1)

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

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

<sup>c</sup> 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.

<b>Demographic Characteristics</b>	<b>Had Flu Vaccine in Past Year<sup>a</sup></b>		<b>Ever Had Pneumonia Vaccine<sup>b</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	71.8	(69.1 - 74.3)	67.7	(64.9 - 70.4)
<b>Age</b>				
65 - 74	67.0	(63.2 - 70.7)	58.7	(54.6 - 62.7)
75 +	76.3	(72.6 - 79.7)	76.5	(72.7 - 79.9)
<b>Gender</b>				
Male	74.6	(70.1 - 78.7)	66.6	(61.7 - 71.2)
Female	69.7	(66.4 - 72.7)	68.6	(65.2 - 71.7)
<b>Race/Ethnicity</b>				
White non-Hispanic	73.8	(71.1 - 76.3)	70.0	(67.2 - 72.7)
Black non-Hispanic	53.1	(41.5 - 64.4)	48.5	(37.0 - 60.2)
Other non-Hispanic	— <sup>c</sup>		— <sup>c</sup>	
Hispanic	— <sup>c</sup>		— <sup>c</sup>	
<b>Education</b>				
Less than high school	66.2	(58.5 - 73.1)	61.0	(53.0 - 68.5)
High school graduate	73.7	(69.6 - 77.4)	69.3	(64.9 - 73.3)
Some college	66.8	(61.0 - 72.2)	68.3	(62.5 - 73.7)
College graduate	78.0	(72.4 - 82.8)	68.3	(62.1 - 73.9)
<b>Household Income</b>				
< \$20,000	63.4	(57.1 - 69.2)	66.1	(59.9 - 71.8)
\$20,000 - \$34,999	73.4	(68.2 - 78.1)	68.2	(62.6 - 73.4)
\$35,000 - \$49,999	72.8	(65.5 - 79.1)	69.3	(61.8 - 75.9)
\$50,000 - \$74,999	76.7	(66.2 - 84.7)	64.1	(53.3 - 73.6)
\$75,000 +	76.2	(66.3 - 83.9)	65.2	(54.5 - 74.6)
<sup>a</sup> Among those aged 65 years and older (n = 1,462), 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. <sup>b</sup> Among those aged 65 years and older, the proportion who reported that they ever had a pneumococcal vaccine. <sup>c</sup> The denominator in this subgroup was less than 50.				

<b>Demographic Characteristics</b>	<b>Ever Had an HIV Test<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	35.4	(33.6 - 37.2)
<b>Age</b>		
18 – 24	28.3	(22.8 - 34.6)
25 – 34	52.8	(48.1 - 57.4)
35 – 44	43.6	(40.1 - 47.1)
45 – 54	29.2	(26.3 - 32.3)
55 – 64	17.9	(15.4 - 20.7)
<b>Gender</b>		
Male	32.6	(29.9 - 35.5)
Female	38.1	(35.8 - 40.4)
<b>Race/Ethnicity</b>		
White non-Hispanic	32.0	(30.1 - 33.9)
Black non-Hispanic	54.0	(47.8 - 60.0)
Other non-Hispanic	41.6	(32.5 - 51.2)
Hispanic	32.3	(22.6 - 43.9)
<b>Education</b>		
Less than high school	33.9	(26.2 - 42.4)
High school graduate	31.9	(28.6 - 35.3)
Some college	37.4	(34.2 - 40.7)
College graduate	36.8	(33.8 - 39.9)
<b>Household Income</b>		
< \$20,000	42.3	(36.6 - 48.1)
\$20,000 - \$34,999	41.4	(36.5 - 46.5)
\$35,000 - \$49,999	30.4	(26.0 - 35.2)
\$50,000 - \$74,999	35.2	(31.3 - 39.3)
\$75,000 +	36.1	(32.9 - 39.5)

<sup>a</sup> Among those aged 18 - 64 years (n = 4,170), the proportion who reported that they ever had been tested for HIV, apart from tests that were part of a blood donation.

<b>Table 27: Asthma 2006 Michigan BRFSS</b>				
<b>Demographic Characteristics</b>	<b>Ever Told Have Asthma<sup>a</sup></b>		<b>Still Have Asthma<sup>b</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	14.0	(12.9 - 15.1)	9.5	(8.6 - 10.5)
<b>Age</b>				
18 - 24	18.3	(13.8 - 23.7)	10.5	(7.2 - 15.1)
25 - 34	15.8	(12.7 - 19.4)	10.6	(8.1 - 13.8)
35 - 44	13.5	(11.4 - 16.0)	9.6	(7.8 - 11.8)
45 - 54	12.5	(10.6 - 14.7)	9.3	(7.7 - 11.1)
55 - 64	14.5	(12.3 - 17.0)	10.5	(8.6 - 12.8)
65 - 74	11.1	(8.8 - 13.8)	7.7	(5.8 - 10.2)
75 +	10.7	(8.4 - 13.4)	6.7	(5.0 - 9.0)
<b>Gender</b>				
Male	11.5	(9.9 - 13.3)	6.8	(5.6 - 8.2)
Female	16.3	(14.8 - 17.8)	12.0	(10.8 - 13.4)
<b>Race/Ethnicity</b>				
White non-Hispanic	13.4	(12.3 - 14.6)	9.2	(8.3 - 10.2)
Black non-Hispanic	13.6	(10.4 - 17.6)	8.8	(6.3 - 12.3)
Other non-Hispanic	21.7	(15.3 - 29.8)	14.2	(8.9 - 22.0)
Hispanic	17.8	(11.0 - 27.5)	12.6	(7.4 - 20.7)
<b>Education</b>				
Less than high school	19.1	(14.3 - 24.9)	14.9	(10.7 - 20.4)
High school graduate	13.6	(11.8 - 15.6)	9.7	(8.2 - 11.4)
Some college	14.0	(12.1 - 16.3)	10.0	(8.3 - 11.9)
College graduate	13.0	(11.2 - 15.0)	7.6	(6.3 - 9.1)
<b>Household Income</b>				
< \$20,000	20.5	(17.0 - 24.5)	15.6	(12.6 - 19.2)
\$20,000 - \$34,999	14.9	(12.3 - 17.9)	10.6	(8.4 - 13.3)
\$35,000 - \$49,999	11.6	(9.3 - 14.3)	7.8	(6.0 - 10.2)
\$50,000 - \$74,999	13.5	(11.2 - 16.3)	9.1	(7.2 - 11.5)
\$75,000 +	12.2	(10.1 - 14.7)	6.8	(5.4 - 8.6)
<sup>a</sup> The proportion who reported that they were ever told by a doctor, nurse, or other health care professional that they had asthma.				
<sup>b</sup> Among all respondents, the proportion who reported that they still had asthma.				

**Table 28: Cardiovascular Disease Among All Adults  
2006 Michigan BRFSS**

Demographic Characteristics	Ever Told Heart Attack <sup>a</sup>		Ever Told Angina or Coronary Heart Disease <sup>b</sup>		Ever Told Stroke <sup>c</sup>	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
<b>Total</b>	4.9	(4.4 - 5.5)	5.1	(4.5 - 5.7)	3.0	(2.5 - 3.5)
<b>Age</b>						
18 - 34	0.5	(0.2 - 1.4)	0.1	(0.0 - 0.6)	0.6	(0.3 - 1.5)
35 - 44	1.3	(0.7 - 2.4)	1.3	(0.8 - 2.2)	1.4	(0.7 - 2.6)
45 - 54	3.3	(2.4 - 4.7)	4.5	(3.2 - 6.2)	1.6	(1.0 - 2.4)
55 - 64	8.8	(7.0 - 10.9)	9.5	(7.6 - 11.7)	5.3	(4.0 - 7.1)
65 - 74	13.0	(10.4 - 16.1)	13.3	(10.7 - 16.4)	7.2	(5.3 - 9.8)
75 +	18.3	(15.2 - 21.9)	17.9	(15.0 - 21.4)	10.1	(7.9 - 12.8)
<b>Gender</b>						
Male	6.4	(5.5 - 7.5)	5.8	(4.9 - 6.8)	2.9	(2.3 - 3.7)
Female	3.5	(3.0 - 4.2)	4.4	(3.8 - 5.2)	3.0	(2.5 - 3.6)
<b>Race/Ethnicity</b>						
White non-Hispanic	4.9	(4.3 - 5.5)	5.3	(4.7 - 6.0)	2.9	(2.5 - 3.4)
Black non-Hispanic	5.0	(3.4 - 7.3)	4.6	(2.9 - 7.2)	3.3	(2.0 - 5.3)
Other non-Hispanic	7.3	(4.1 - 12.5)	4.0	(2.1 - 7.7)	3.9	(1.7 - 8.8)
Hispanic	1.3	(0.4 - 4.4)	1.5	(0.5 - 4.2)	1.4	(0.4 - 4.7)
<b>Education</b>						
Less than high school	9.6	(7.1 - 12.9)	8.2	(6.0 - 11.1)	6.5	(4.5 - 9.5)
High school graduate	6.3	(5.2 - 7.5)	6.6	(5.6 - 7.9)	3.6	(2.7 - 4.6)
Some college	4.3	(3.4 - 5.3)	4.3	(3.4 - 5.5)	2.7	(2.0 - 3.5)
College graduate	2.8	(2.2 - 3.7)	3.4	(2.6 - 4.3)	1.6	(1.1 - 2.3)
<b>Household Income</b>						
< \$20,000	11.6	(9.3 - 14.3)	9.3	(7.3 - 11.9)	7.8	(6.0 - 10.2)
\$20,000 - \$34,999	7.1	(5.6 - 8.8)	8.5	(6.9 - 10.5)	5.6	(4.3 - 7.4)
\$35,000 - \$49,999	4.1	(2.9 - 5.7)	4.3	(3.1 - 5.8)	1.6	(1.0 - 2.5)
\$50,000 - \$74,999	2.7	(1.9 - 3.9)	2.8	(1.9 - 4.0)	1.0	(0.6 - 1.8)
\$75,000 +	2.1	(1.4 - 3.2)	2.9	(2.0 - 4.0)	1.2	(0.7 - 2.0)

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

<sup>a</sup> they had a heart attack or myocardial infarction;

<sup>b</sup> they had angina or coronary heart disease;

<sup>c</sup> they had a stroke.

<b>Table 29: Diabetes 2006 Michigan BRFSS</b>		
<b>Demographic Characteristics</b>	<b>Ever Told Diabetes<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	9.0	(8.2 - 9.8)
<b>Age</b>		
18 – 24	0.4	(0.0 - 2.5)
25 – 34	1.1	(0.4 - 2.9)
35 – 44	5.8	(4.3 - 7.7)
45 – 54	8.5	(6.8 - 10.5)
55 – 64	18.4	(15.9 - 21.2)
65 – 74	22.3	(18.9 - 26.2)
75 +	17.7	(14.7 - 21.3)
<b>Gender</b>		
Male	9.7	(8.4 - 11.1)
Female	8.4	(7.5 - 9.3)
<b>Race/Ethnicity</b>		
White non-Hispanic	8.3	(7.6 - 9.2)
Black non-Hispanic	12.3	(9.5 - 15.8)
Other non-Hispanic	11.0	(6.9 - 17.1)
Hispanic	8.8	(4.3 - 16.9)
<b>Education</b>		
Less than high school	14.0	(10.8 - 18.0)
High school graduate	10.9	(9.5 - 12.6)
Some college	8.3	(7.0 - 9.8)
College graduate	6.2	(5.0 - 7.5)
<b>Household Income</b>		
< \$20,000	15.7	(12.9 - 19.0)
\$20,000 - \$34,999	12.6	(10.6 - 14.9)
\$35,000 - \$49,999	9.3	(7.4 - 11.8)
\$50,000 - \$74,999	5.9	(4.5 - 7.8)
\$75,000 +	4.6	(3.5 - 6.0)
<sup>a</sup> 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.		

<b>Table 30: Diabetes Testing 2006 Michigan BRFSS</b>		
<b>Demographic Characteristics</b>	<b>Checked for Diabetes in Past 12 Months<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	39.5	(37.9 - 41.2)
<b>Age</b>		
18 - 24	20.0	(15.4 - 25.7)
25 - 34	28.4	(24.4 - 32.8)
35 - 44	36.1	(32.6 - 39.7)
45 - 54	46.2	(42.8 - 49.6)
55 - 64	54.6	(51.0 - 58.2)
65 - 74	56.6	(52.1 - 61.1)
75 +	54.1	(49.3 - 58.7)
<b>Gender</b>		
Male	35.0	(32.4 - 37.6)
Female	43.7	(41.6 - 45.8)
<b>Race/Ethnicity</b>		
White non-Hispanic	39.5	(37.7 - 41.3)
Black non-Hispanic	40.9	(35.1 - 46.9)
Other non-Hispanic	44.4	(35.6 - 53.5)
Hispanic	28.0	(18.8 - 39.5)
<b>Education</b>		
Less than high school	36.8	(30.2 - 43.8)
High school graduate	36.8	(33.9 - 39.8)
Some college	40.5	(37.4 - 43.6)
College graduate	42.2	(39.4 - 45.1)
<b>Household Income</b>		
< \$20,000	37.9	(33.1 - 43.0)
\$20,000 - \$34,999	35.5	(31.5 - 39.6)
\$35,000 - \$49,999	38.9	(34.7 - 43.3)
\$50,000 - \$74,999	43.5	(39.6 - 47.5)
\$75,000 +	43.2	(39.9 - 46.5)

<sup>a</sup> The proportion who reported that during the past 12 months, they have had a blood test or finger prick to check for diabetes. Excludes those already diagnosed with diabetes.

<b>Table 31: Gum Disease 2006 Michigan BRFSS</b>		
<b>Demographic Characteristics</b>	<b>Currently Has Gum Disease<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	8.7	(7.8 - 9.6)
<b>Age</b>		
18 - 24	3.9	(2.0 - 7.2)
25 - 34	6.5	(4.5 - 9.5)
35 - 44	9.7	(7.7 - 12.1)
45 - 54	12.7	(10.6 - 15.1)
55 - 64	12.5	(10.4 - 14.9)
65 - 74	7.6	(5.8 - 10.0)
75 +	2.9	(1.9 - 4.5)
<b>Gender</b>		
Male	9.2	(7.8 - 10.8)
Female	8.3	(7.3 - 9.4)
<b>Race/Ethnicity</b>		
White non-Hispanic	8.3	(7.4 - 9.3)
Black non-Hispanic	11.5	(8.3 - 15.8)
Other non-Hispanic	9.8	(6.1 - 15.5)
Hispanic	5.9	(2.7 - 12.4)
<b>Education</b>		
Less than high school	7.8	(5.2 - 11.5)
High school graduate	8.6	(7.1 - 10.4)
Some college	8.7	(7.2 - 10.4)
College graduate	9.0	(7.5 - 10.9)
<b>Household Income</b>		
< \$20,000	10.5	(8.1 - 13.6)
\$20,000 - \$34,999	9.1	(7.1 - 11.6)
\$35,000 - \$49,999	8.5	(6.6 - 10.9)
\$50,000 - \$74,999	8.5	(6.6 - 10.9)
\$75,000 +	8.4	(6.8 - 10.5)
<sup>a</sup> The proportion who have been told by a doctor, dentist, or dental hygienist that they currently have gum disease, such as gingivitis or periodontal disease.		

<b>Table 32: Osteoporosis 2006 Michigan BRFSS</b>		
<b>Demographic Characteristics</b>	<b>Ever Told Osteoporosis<sup>a</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	5.4	(4.9 - 6.0)
<b>Age</b>		
18 – 24	0.2	(0.0 - 1.2)
25 – 34	1.2	(0.5 - 2.6)
35 – 44	0.5	(0.2 - 1.2)
45 – 54	3.7	(2.8 - 5.0)
55 – 64	10.9	(9.0 - 13.1)
65 – 74	13.6	(11.3 - 16.2)
75+	20.2	(17.2 - 23.7)
<b>Gender</b>		
Male	1.3	(0.9 - 1.8)
Female	9.3	(8.4 - 10.3)
<b>Race/Ethnicity</b>		
White non-Hispanic	5.6	(5.0 - 6.2)
Black non-Hispanic	4.4	(2.8 - 6.7)
Other non-Hispanic	5.7	(3.5 - 9.2)
Hispanic	5.0	(2.4 - 9.9)
<b>Education</b>		
Less than high school	7.7	(5.6 - 10.5)
High school graduate	6.6	(5.7 - 7.8)
Some college	4.9	(4.0 - 6.0)
College graduate	4.0	(3.3 - 5.0)
<b>Household Income</b>		
< \$20,000	9.6	(7.7 - 11.8)
\$20,000 - \$34,999	7.2	(5.8 - 8.9)
\$35,000 - \$49,999	4.0	(2.9 - 5.4)
\$50,000 - \$74,999	3.4	(2.4 - 4.7)
\$75,000 +	2.9	(2.2 - 4.0)

<sup>a</sup> The proportion who reported that they were ever told by a health care professional that they have osteoporosis.

<b>Table 33: Falls Among Adults 45 Years and Older 2006 Michigan BRFSS</b>				
<b>Demographic Characteristics</b>	<b>Fell During the Past Three Months<sup>a</sup></b>		<b>Injured From a Fall During the Past Three Months<sup>b</sup></b>	
	<b>%</b>	<b>95% Confidence Interval</b>	<b>%</b>	<b>95% Confidence Interval</b>
<b>Total</b>	16.9	(15.6 - 18.3)	5.3	(4.5 - 6.1)
<b>Age</b>				
45 - 54	17.1	(14.8 - 19.6)	5.4	(4.2 - 7.0)
55 - 64	17.9	(15.5 - 20.5)	5.5	(4.2 - 7.3)
65 - 74	15.2	(12.6 - 18.3)	4.2	(2.8 - 6.4)
75 +	16.7	(13.9 - 19.9)	5.4	(3.9 - 7.3)
<b>Gender</b>				
Male	14.4	(12.4 - 16.6)	3.8	(2.8 - 5.2)
Female	19.1	(17.4 - 20.9)	6.5	(5.5 - 7.7)
<b>Race</b>				
White non-Hispanic	16.6	(15.3 - 18.0)	5.0	(4.3 - 5.9)
Black non-Hispanic	19.3	(14.1 - 25.8)	6.5	(3.5 - 11.7)
Other non-Hispanic	17.5	(11.5 - 25.8)	6.9	(3.6 - 13.0)
Hispanic	— <sup>c</sup>		— <sup>c</sup>	
<b>Education</b>				
Less than high school	22.0	(17.4 - 27.5)	6.5	(4.0 - 10.4)
High school graduate	17.4	(15.1 - 19.9)	6.0	(4.7 - 7.7)
Some college	15.4	(13.1 - 18.0)	4.6	(3.2 - 6.3)
College graduate	16.5	(14.2 - 19.1)	4.6	(3.5 - 6.1)
<b>Household Income</b>				
< \$20,000	25.3	(21.3 - 29.9)	8.8	(6.6 - 11.7)
\$20,000 - \$34,999	19.4	(16.4 - 22.8)	6.9	(5.1 - 9.2)
\$35,000 - \$49,999	14.7	(11.8 - 18.2)	4.0	(2.5 - 6.3)
\$50,000 - \$74,999	12.8	(10.1 - 16.0)	2.7	(1.7 - 4.3)
\$75,000 +	15.2	(12.5 - 18.4)	3.8	(2.3 - 6.1)
<sup>a</sup> Among those aged 45 years and older (n = 3,862), the proportion who reported to have unintentionally come to rest on the ground or another lower level during the past three months. <sup>b</sup> 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. <sup>c</sup> The denominator in this subgroup is less than 50.				