Estimates for Risk Factors and Health Indicators
State of Michigan

Selected Tables

Behavioral Risk Factor Survey
2004

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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 2004 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 4943.

State-specific, population-based prevalence estimates and confidence limits were calculated for health risk behaviors, preventive health 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. In tables of MI BRFS results from previous years, confidence intervals were presented as +/- half of the width of a symmetric confidence interval (1.96 times the standard error). In these 2004 MI BRFS tables, however, we are able to include asymmetric confidence intervals as they are now calculated by SUDAAN (version 9.0).

Table 1: Health Status
2004 Michigan BRFS

Demographic Characteristics	General Health, Fair or Poor[a]	
	%	95% Confidence Interval
Total	**14.4**	**(13.4 - 15.5)**
Age		
18 - 24	6.4	(4.1 - 10.0)
25 - 34	8.4	(6.2 - 11.4)
35 - 44	9.9	(8.0 - 12.2)
45 - 54	15.6	(13.2 - 18.3)
55 - 64	18.3	(15.6 - 21.3)
65 - 74	23.5	(20.1 - 27.3)
75 +	32.5	(28.3 - 37.0)
Gender		
Male	13.0	(11.4 - 14.7)
Female	15.7	(14.3 - 17.3)
Race		
White	13.7	(12.6 - 14.8)
Black	19.3	(15.6 - 23.8)
Education		
Less than high school	28.7	(23.7 - 34.2)
High school graduate	18.5	(16.5 - 20.8)
Some college	14.0	(12.1 - 16.1)
College graduate	6.2	(5.1 - 7.6)
Household Income		
< $20,000	32.8	(29.0 - 36.8)
$20,000 - $34,999	20.5	(17.8 - 23.5)
$35,000 - $49,999	11.1	(8.8 - 14.0)
$50,000 - $74,999	6.7	(5.0 - 8.7)
$75,000 +	4.6	(3.4 - 6.1)

[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
2004 Michigan BRFS

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**	**(9.8 - 11.7)**	**11.0**	**(10.0 - 12.1)**	**6.7**	**(5.9 - 7.5)**
Age						
18 - 24	4.0	(2.2 - 7.2)	13.4	(9.8 - 18.0)	4.3	(2.5 - 7.2)
25 - 34	5.7	(3.9 - 8.4)	11.3	(8.7 - 14.4)	3.6	(2.2 - 5.9)
35 - 44	9.1	(7.2 - 11.3)	12.6	(10.5 - 15.1)	6.8	(5.2 - 8.9)
45 - 54	12.4	(10.2 - 14.9)	11.4	(9.4 - 13.7)	7.1	(5.6 - 9.0)
55 - 64	14.2	(11.7 - 17.1)	11.3	(9.1 - 13.9)	9.2	(7.1 - 11.9)
65 - 74	13.6	(11.0 - 16.7)	5.3	(3.8 – 7.5)	6.6	(4.8 - 9.0)
75 +	23.8	(20.0 - 28.0)	7.1	(5.0 - 9.9)	11.8	(9.1 - 15.2)
Gender						
Male	8.4	(7.1 - 9.9)	8.9	(7.5 - 10.5)	5.6	(4.6 - 6.8)
Female	12.9	(11.6 - 14.3)	13.0	(11.6 - 14.4)	7.7	(6.7 - 8.9)
Race						
White	10.2	(9.3 - 11.3)	10.6	(9.6 - 11.8)	6.2	(5.5 - 7.1)
Black	13.7	(10.4 - 18.0)	12.5	(9.4 - 16.5)	9.8	(7.0 - 13.5)
Education						
Less than high school	19.9	(15.8 - 24.8)	17.4	(13.1 - 22.7)	12.0	(8.6 - 16.6)
High school graduate	13.1	(11.3 - 15.1)	11.8	(10.1 - 13.8)	7.9	(6.6 - 9.5)
Some college	10.8	(9.1 - 12.7)	12.9	(10.9 - 15.1)	7.7	(6.3 - 9.4)
College graduate	5.5	(4.5 - 6.8)	6.6	(5.4 - 8.1)	2.9	(2.1 - 3.9)
Household Income						
< $20,000	22.7	(19.5 - 26.4)	22.3	(18.8 - 26.3)	16.5	(13.6 - 19.9)
$20,000 - $34,999	12.5	(10.4 - 14.9)	13.7	(11.3 - 16.6)	8.3	(6.6 - 10.3)
$35,000 - $49,999	8.3	(6.3 - 11.0)	8.8	(6.7 - 11.5)	3.8	(2.6 - 5.7)
$50,000 - $74,999	6.8	(5.0 - 9.3)	7.5	(5.8 - 9.8)	3.2	(2.1 - 4.9)
$75,000 +	3.9	(2.9 - 5.3)	6.0	(4.6 - 7.8)	2.5	(1.6 - 3.7)

[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
2004 Michigan BRFS

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**	**(3.3 - 3.8)**	**3.8**	**(3.5 - 4.0)**	**2.2**	**(2.0 - 2.4)**
Age						
18 - 24	2.1	(1.6 - 2.7)	4.7	(3.8 - 5.6)	1.5	(1.0 - 2.0)
25 - 34	2.1	(1.5 - 2.6)	4.1	(3.4 - 4.8)	1.4	(1.0 - 1.9)
35 - 44	3.1	(2.6 - 3.6)	4.4	(3.8 - 5.0)	2.3	(1.8 - 2.7)
45 - 54	4.0	(3.4 - 4.6)	3.7	(3.2 - 4.2)	2.3	(1.8 - 2.7)
55 - 64	4.4	(3.7 - 5.1)	3.5	(3.0 - 4.1)	2.7	(2.1 - 3.4)
65 - 74	4.7	(3.9 - 5.4)	2.0	(1.5 - 2.5)	2.0	(1.4 - 2.5)
75 +	7.0	(5.9 - 8.0)	2.5	(1.8 - 3.2)	3.5	(2.7 - 4.3)
Gender						
Male	3.6	(2.6 - 3.4)	3.1	(2.7 - 3.5)	1.8	(1.5 - 2.1)
Female	4.1	(3.8 - 4.5)	4.4	(4.1 - 4.8)	2.5	(2.2 - 2.8)
Race						
White	3.5	(3.2 - 3.7)	3.7	(3.4 - 4.0)	2.0	(1.8 - 2.2)
Black	4.3	(3.3 - 5.3)	4.1	(3.2 - 4.9)	3.1	(2.3 - 3.8)
Education						
Less than high school	6.2	(5.1 - 7.3)	5.4	(4.3 - 6.6)	3.8	(2.8 - 4.8)
High school graduate	4.2	(3.7 - 4.7)	3.9	(3.5 - 4.4)	2.4	(2.0 - 2.8)
Some college	3.6	(3.1 - 4.1)	4.4	(3.9 - 4.9)	2.4	(2.0 - 2.8)
College graduate	2.2	(1.9 - 2.5)	2.6	(2.3 - 3.0)	1.2	(0.9 - 1.4)
Household Income						
< $20,000	7.1	(6.2 - 8.0)	6.5	(5.6 - 7.4)	4.8	(4.0 - 5.6)
$20,000 - $34,999	4.0	(3.4 - 4.5)	4.4	(3.8 - 5.0)	2.5	(2.1 - 3.0)
$35,000 - $49,999	2.8	(2.3 - 3.4)	3.5	(2.8 - 4.1)	1.6	(1.1 - 2.0)
$50,000 - $74,999	2.6	(2.1 - 3.2)	2.8	(2.4 - 3.3)	1.2	(0.9 - 1.6)
$75,000 +	1.7	(1.4 - 2.0)	2.6	(2.2 - 3.1)	1.0	(0.8 - 1.3)

[a] The mean number of days during the past 30 days in which physical health, including illness and injury, was not good.
[b] The mean number of days during the past 30 days in which mental health, including stress, depression, and problems with emotions, was not good.
[c] The mean number of days during the past 30 days in which poor physical health or poor mental health kept the respondent from doing usual activities, such as self-care, work, or recreation.

Table 4: Health Care Access
2004 Michigan BRFS

Demographic Characteristics	No Health Care Coverage[a] (Among 18 - 64 year olds)		No Personal Health Care Provider[b]		No Health Care Access During Past 12 Months Due to Cost[c]	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	**14.2**	**(12.8 - 15.7)**	**15.7**	**(14.4 - 17.0)**	**12.0**	**(10.9 - 13.1)**
Age						
18 - 24	28.6	(23.2 - 34.6)	34.8	(29.2 - 40.8)	15.2	(11.3 - 20.1)
25 - 34	16.1	(12.9 - 20.0)	24.1	(20.3 - 28.5)	14.5	(11.5 - 18.1)
35 - 44	11.2	(9.0 - 13.8)	15.0	(12.6 - 17.8)	13.8	(11.5 - 16.4)
45 - 54	9.9	(8.1 - 12.0)	10.4	(8.5 - 12.6)	13.4	(11.3 - 15.8)
55 - 64	8.8	(6.7 - 11.4)	8.1	(6.2 - 10.4)	10.7	(8.6 - 13.2)
65 - 74	—	—	4.9	(3.4 - 7.2)	5.1	(3.6 - 7.3)
75 +	—	—	6.0	(4.0 - 8.8)	2.6	(1.5 - 4.3)
Gender						
Male	15.6	(13.4 - 18.0)	21.3	(19.1 - 23.7)	10.0	(8.5 - 11.7)
Female	12.8	(11.2 - 14.6)	10.5	(9.2 - 11.9)	13.8	(12.4 - 15.4)
Race						
White	13.7	(12.2 - 15.3)	14.3	(12.9 - 15.7)	10.8	(9.7 - 12.0)
Black	16.3	(12.3 - 21.1)	20.7	(16.5 - 25.6)	15.7	(12.2 - 20.1)
Education						
Less than high school	35.4	(27.8 - 43.8)	28.3	(22.6 - 34.7)	21.0	(16.2 - 26.7)
High school graduate	17.9	(15.3 - 20.9)	16.4	(14.2 - 18.9)	14.0	(12.1 - 16.3)
Some college	13.0	(10.7 - 15.6)	15.0	(12.8 - 17.7)	13.2	(11.3 - 15.5)
College graduate	6.2	(4.8 - 8.1)	11.7	(9.8 - 13.9)	6.0	(4.8 - 7.5)
Household Income						
< $20,000	30.4	(25.5 - 35.7)	22.8	(19.1 - 27.0)	26.0	(22.3 - 30.0)
$20,000 - $34,999	25.8	(21.8 - 30.3)	19.3	(16.2 - 22.9)	17.6	(14.8 - 20.8)
$35,000 - $49,999	11.1	(8.3 - 14.7)	14.5	(11.5 - 18.0)	11.8	(9.2 - 14.9)
$50,000 - $74,999	7.9	(5.6 - 11.1)	13.0	(10.3 - 16.3)	6.9	(5.0 - 9.3)
$75,000 +	2.1	(1.2 - 3.8)	9.7	(7.7 - 12.1)	2.5	(1.7 - 3.8)

[a] Among those aged 18-64, the proportion who reported having no health care coverage, including health insurance, prepaid plans such as HMOs, or government plans, such as Medicare. (n=3721)
[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 5: Weight Status
2004 Michigan BRFS

Demographic Characteristics	Obese[a]		Overweight[b]		Not Overweight or Obese[c]	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	**25.5**	**(24.0 - 26.9)**	**35.5**	**(33.9 - 37.1)**	**39.0**	**(37.4 - 40.7)**
Age						
18 - 24	13.5	(9.8 - 18.3)	26.9	(21.7 - 32.9)	59.6	(53.3 - 65.6)
25 - 34	22.3	(18.7 - 26.4)	33.4	(29.1 - 38.0)	44.3	(39.7 - 49.0)
35 - 44	28.6	(25.3 - 32.0)	35.1	(31.7 - 38.6)	36.4	(33.1 - 39.8)
45 - 54	31.7	(28.5 - 35.1)	36.2	(33.0 - 39.6)	32.1	(29.0 - 35.3)
55 - 64	31.9	(28.5 - 35.6)	41.8	(38.1 - 45.6)	26.3	(23.1 - 29.8)
65 - 74	25.9	(22.4 - 29.8)	39.9	(35.8 - 44.2)	34.1	(30.2 - 38.3)
75 +	17.4	(14.1 - 21.3)	37.7	(33.2 - 42.3)	45.0	(40.3 - 49.7)
Gender						
Male	24.9	(22.8 - 27.3)	42.2	(39.7 - 44.7)	32.9	(30.4 - 35.5)
Female	26.0	(24.2 - 27.8)	29.0	(27.1 - 30.9)	45.1	(43.0 - 47.2)
Race						
White	24.2	(22.7 - 25.7)	36.3	(34.6 - 38.0)	39.6	(37.8 - 41.3)
Black	33.6	(28.6 - 39.1)	31.8	(26.9 - 37.2)	34.5	(29.3 - 40.2)
Education						
Less than high school	30.1	(24.9 - 35.8)	34.0	(28.5 - 40.0)	36.0	(30.2 - 42.2)
High school graduate	30.3	(27.7 - 33.1)	35.2	(32.3 - 38.1)	34.6	(31.7 - 37.5)
Some college	27.6	(24.9 - 30.5)	33.3	(30.4 - 36.3)	39.1	(36.1 - 42.3)
College graduate	17.1	(15.0 - 19.3)	38.6	(35.8 - 41.5)	44.3	(41.5 - 47.2)
Household Income						
< $20,000	32.7	(28.8 - 36.9)	31.4	(27.2 - 35.8)	35.9	(31.7 - 40.4)
$20,000 - $34,999	29.1	(25.9 - 32.5)	34.6	(31.1 - 38.3)	36.4	(32.8 - 40.1)
$35,000 - $49,999	25.6	(22.0 - 29.5)	36.7	(32.6 - 40.9)	37.8	(33.7 - 42.0)
$50,000 - $74,999	27.3	(23.8 - 31.1)	35.1	(31.4 - 39.0)	37.6	(33.8 - 41.6)
$75,000 +	20.0	(17.2 - 23.1)	40.1	(36.7 - 43.6)	39.9	(36.5 - 43.4)

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

Table 6: No Leisure-Time Physical Activity
2004 Michigan BRFS

Demographic Characteristics	No Leisure-Time Physical Activity[a]	
	%	95% Confidence Interval
Total	**22.1**	**(20.8 - 23.5)**
Age		
18 - 24	18.8	(14.4 - 24.0)
25 - 34	19.0	(15.6 - 23.0)
35 - 44	20.5	(17.7 - 23.7)
45 - 54	20.3	(17.7 - 23.2)
55 - 64	23.5	(20.4 - 26.9)
65 - 74	25.7	(22.2 - 29.6)
75 +	37.3	(33.0 - 41.9)
Gender		
Male	19.9	(17.8 - 22.0)
Female	24.2	(22.5 - 26.0)
Race		
White	20.0	(18.7 - 21.5)
Black	32.8	(28.0 - 38.1)
Education		
Less than high school	36.1	(30.7 - 41.9)
High school graduate	31.2	(28.6 - 34.0)
Some college	19.7	(17.3 - 22.3)
College graduate	10.8	(9.2 - 12.7)
Household Income		
< $20,000	39.3	(35.1 - 43.6)
$20,000 - $34,999	27.5	(24.3 - 31.0)
$35,000 - $49,999	19.2	(16.1 - 22.7)
$50,000 - $74,999	15.6	(12.9 - 18.8)
$75,000 +	11.9	(9.8 - 14.4)

[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 7: Diabetes
2004 Michigan BRFS

Demographic Characteristics	Ever Told Diabetes[a]	
	%	95% Confidence Interval
Total	**7.6**	**(6.9 - 8.5)**
Age		
18 - 24	0.9	(0.3 - 2.5)
25 - 34	0.9	(0.4 - 2.2)
35 - 44	4.6	(3.3 - 6.5)
45 - 54	8.6	(6.8 - 10.8)
55 - 64	15.7	(13.1 - 18.6)
65 - 74	15.3	(12.5 - 18.6)
75 +	16.9	(13.6 - 20.8)
Gender		
Male	7.3	(6.2 - 8.6)
Female	7.9	(7.0 - 9.0)
Race		
White	7.3	(6.5 - 8.1)
Black	9.4	(6.8 - 12.9)
Education		
Less than high school	12.9	(9.8 - 16.8)
High school graduate	9.2	(7.8 - 10.8)
Some college	7.0	(5.7 - 8.6)
College graduate	5.1	(4.1 - 6.5)
Household Income		
< $20,000	15.6	(12.8 - 18.9)
$20,000 - $34,999	10.0	(8.2 - 12.0)
$35,000 - $49,999	6.3	(4.7 - 8.4)
$50,000 - $74,999	4.5	(3.3 - 6.1)
$75,000 +	3.2	(2.2 - 4.8)

[a] The proportion who reported that they were ever told by a doctor that they have diabetes. Women who had diabetes only during pregnancy were considered to not have been diagnosed.

Table 8: Asthma
2004 Michigan BRFS

Demographic Characteristics	Ever Told Have Asthma[a]		Still Have Asthma[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**13.5**	**(12.4 - 14.7)**	**8.3**	**(7.4 - 9.2)**
Age				
18 - 24	17.3	(13.2 - 22.3)	9.1	(6.1 - 13.3)
25 - 34	16.1	(13.0 - 19.8)	9.4	(7.1 - 12.4)
35 - 44	10.9	(9.0 - 13.2)	6.4	(5.0 - 8.3)
45 - 54	13.2	(11.1 - 15.6)	8.8	(7.0 - 10.9)
55 - 64	14.0	(11.5 - 16.8)	9.0	(7.0 - 11.4)
65 - 74	12.3	(9.9 - 15.2)	9.2	(7.1 - 11.8)
75 +	10.2	(7.6 - 13.6)	6.7	(4.7 - 9.6)
Gender				
Male	12.1	(10.5 - 14.0)	6.5	(5.3 - 8.0)
Female	14.7	(13.3 - 16.2)	10.0	(8.8 - 11.3)
Race				
White	13.2	(12.0 - 14.4)	8.0	(7.1 - 9.0)
Black	13.5	(10.1 - 17.7)	8.4	(5.7 - 12.2)
Education				
Less than high school	17.0	(13.0 - 22.0)	11.4	(8.2 - 15.7)
High school graduate	11.4	(9.6 - 13.3)	7.5	(6.1 - 9.2)
Some college	15.6	(13.4 - 18.0)	9.0	(7.4 - 11.0)
College graduate	12.5	(10.7 - 14.6)	7.4	(6.0 - 9.0)
Household Income				
< $20,000	18.2	(15.0 - 21.9)	11.5	(9.0 - 14.5)
$20,000 - $34,999	13.8	(11.5 - 16.5)	9.7	(7.8 - 12.1)
$35,000 - $49,999	11.7	(9.2 - 14.9)	6.4	(4.6 - 8.9)
$50,000 - $74,999	12.2	(9.8 - 15.2)	6.8	(5.0 - 9.0)
$75,000 +	11.8	(9.8 - 14.2)	6.7	(5.2 - 8.7)

[a] The proportion who reported that they were ever told by a doctor, nurse, or other health care professional that they had asthma.
[b] Among all respondents, the proportion who reported that they still had asthma.

Table 9: Cigarette Consumption
2004 Michigan BRFS

Demographic Characteristics	Current Smoker[a]		Former Smoker[b]		Never Smoked	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	**23.4**	**(22.0 - 24.9)**	**25.3**	**(24.0 - 26.7)**	**51.3**	**(49.7 - 52.9)**
Age						
18 - 24	40.8	(34.9 - 47.0)	5.7	(3.4 - 9.3)	53.3	(47.4 - 59.5)
25 - 34	24.5	(20.7 - 28.6)	15.1	(12.2 - 18.5)	60.5	(55.9 - 64.8)
35 - 44	25.6	(22.6 - 28.9)	21.4	(18.6 - 24.5)	53.0	(49.4 - 56.5)
45 - 54	24.1	(21.3 - 27.0)	27.8	(24.9 - 31.0)	48.1	(44.8 - 51.5)
55 - 64	20.1	(17.2 - 23.3)	38.9	(35.3 - 42.6)	41.1	(37.5 - 44.8)
65 - 74	11.8	(9.4 - 14.8)	44.6	(40.4 - 48.8)	43.6	(39.5 - 47.8)
75 +	5.2	(3.5 - 7.8)	39.2	(34.8 - 43.8)	55.6	(50.9 - 60.1)
Gender						
Male	25.0	(22.7 - 27.4)	29.6	(27.4 - 31.9)	45.5	(42.9 - 48.1)
Female	22.0	(20.2 - 23.8)	21.4	(19.9 - 23.0)	56.6	(54.6 - 58.7)
Race						
White	23.2	(21.6 - 24.8)	27.0	(25.6 - 28.5)	49.8	(48.0 - 51.6)
Black	23.6	(19.3 - 28.4)	18.3	(14.6 - 22.7)	58.1	(52.7 - 63.4)
Education						
Less than high school	41.5	(35.5 - 47.7)	25.4	(20.9 - 30.6)	33.1	(27.8 - 38.8)
High school graduate	29.1	(26.5 - 31.9)	26.7	(24.4 - 29.2)	44.2	(41.3 - 47.1)
Some college	25.1	(22.5 - 27.9)	23.8	(21.4 - 26.3)	51.2	(48.1 - 54.3)
College graduate	10.4	(8.7 - 12.4)	25.4	(23.0 - 27.8)	64.3	(61.6 - 67.0)
Household Income						
< $20,000	35.7	(31.4 - 40.1)	22.6	(19.4 - 26.1)	41.8	(37.6 - 46.2)
$20,000 - $34,999	28.9	(25.5 - 32.6)	26.2	(23.3 - 29.4)	44.9	(41.2 - 48.6)
$35,000 - $49,999	24.9	(21.3 - 28.8)	27.8	(24.4 - 31.6)	47.3	(43.1 - 51.5)
$50,000 - $74,999	19.9	(16.8 - 23.3)	27.6	(24.3 - 31.2)	52.6	(48.6 - 56.5)
$75,000 +	14.3	(11.8 - 17.1)	24.8	(22.0 - 27.8)	61.0	(57.5 - 64.3)

[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 10: Quit Attempts Among Current Smokers
2004 Michigan BRFS

Demographic Characteristics	Tried to Quit Smoking One Day or Longer in Past Year[a]	
	%	95% Confidence Interval
Total	**61.6**	**(58.0 - 65.0)**
Age		
18 - 34	71.2	(64.7 - 76.9)
35 - 54	56.8	(51.9 - 61.6)
55 +	50.7	(44.0 - 57.3)
Gender		
Male	60.8	(55.4 - 66.0)
Female	62.3	(57.8 - 66.7)
Race		
White	59.8	(55.8 - 63.6)
Black	70.2	(59.4 - 79.1)
Education		
Less than high school	61.0	(50.6 - 70.6)
High school graduate	60.5	(54.9 - 65.8)
Some college	63.9	(57.8 - 69.5)
College graduate	59.2	(49.7 - 68.2)
Household Income		
< $20,000	56.9	(48.9 - 64.5)
$20,000 - $34,999	65.9	(58.8 - 72.3)
$35,000 - $49,999	59.6	(50.7 - 67.9)
$50,000 +	60.7	(53.9 - 67.0)

[a] Among all current smokers, the proportion who reported that during the past 12 months, they had tried to quit smoking for one day or longer. (n=1030)

Table 11: Alcohol Consumption
2004 Michigan BRFS

Demographic Characteristics	Heavy Drinking[a]		Binge Drinking[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**4.7**	**(4.0 - 5.5)**	**16.2**	**(14.9 - 17.6)**
Age				
18 - 24	9.1	(6.1 - 13.4)	31.7	(26.2 - 37.8)
25 - 34	4.4	(2.8 - 6.9)	22.4	(18.7 - 26.5)
35 - 44	4.1	(3.0 - 5.7)	18.4	(15.8 - 21.4)
45 - 54	4.6	(3.3 - 6.2)	14.1	(11.9 - 16.8)
55 - 64	4.2	(3.0 - 5.9)	9.2	(7.2 - 11.6)
65 - 74	4.0	(2.6 - 6.0)	5.4	(3.8 - 7.6)
75 +	2.1	(1.1 - 3.9)	1.7	(0.8 - 3.4)
Gender				
Male	5.3	(4.2 - 6.6)	24.3	(22.0 - 26.7)
Female	4.2	(3.3 - 5.2)	8.9	(7.6 - 10.3)
Race				
White	5.0	(4.2 - 5.9)	17.2	(15.8 - 18.8)
Black	3.3	(1.8 - 6.0)	10.8	(7.8 - 14.8)
Education				
Less than high school	5.2	(2.7 - 10.0)	19.2	(14.2 - 25.3)
High school graduate	5.6	(4.3 - 7.2)	17.4	(15.2 - 20.0)
Some college	5.1	(3.9 - 6.8)	18.4	(16.0 - 21.2)
College graduate	3.2	(2.4 - 4.3)	11.8	(10.0 - 13.9)
Household Income				
< $20,000	4.2	(2.7 - 6.5)	16.4	(12.8 - 20.7)
$20,000 - $34,999	5.7	(3.9 - 8.2)	16.6	(13.7 - 20.0)
$35,000 - $49,999	6.7	(4.8 - 9.1)	18.9	(15.7 - 22.7)
$50,000 - $74,999	3.7	(2.5 - 5.4)	19.8	(16.7 - 23.4)
$75,000 +	4.5	(3.3 - 6.2)	15.1	(12.7 - 17.9)

[a] The proportion of respondents who reported consuming on average more than two alcoholic beverages per day for men or more than one alcoholic beverage per day for women.
[b] The proportion of respondents who reported consuming five or more drinks per occasion at least once in the previous month.

Table 12: Mean Number of Times During Which Five or More Alcoholic Beverages were Consumed During the Past Month Among Binge Drinkers
2004 Michigan BRFS

Demographic Characteristics	Mean Number of Times[a]	
	%	95% Confidence Interval
Total	**3.9**	**(3.4 - 4.3)**
Age		
18 - 34	4.0	(3.4 - 4.7)
35 - 54	3.3	(2.7 - 3.9)
55 +	5.3	(3.9 - 6.7)
Gender		
Male	4.2	(3.7 - 4.7)
Female	3.1	(2.4 - 3.7)
Education		
High school graduate or less	4.7	(4.0 - 5.4)
Some college	3.4	(2.7 - 4.2)
College graduate	2.9	(2.4 - 3.4)
Household Income		
< $35,000	4.2	(3.5 - 4.9)
$35,000 +	3.6	(3.1 - 4.1)

[a] The mean number of times in which five or more alcoholic beverages were consumed during the past month. (n=629)

Table 13: Drove Motor Vehicle After Drinking
2004 Michigan BRFS

Demographic Characteristics	Drove Motor Vehicle After Drinking[a]	
	%	95% Confidence Interval
Total	**2.7**	**(2.2 - 3.4)**
Age		
18 - 24	6.2	(3.8 - 9.9)
25 - 34	3.9	(2.4 - 6.2)
35 - 44	2.4	(1.5 - 3.8)
45 - 54	2.2	(1.4 - 3.4)
55 - 64	1.7	(1.0 - 2.9)
65 - 74	1.2	(0.5 - 2.6)
75 +	0.3	(0.1 - 1.4)
Gender		
Male	4.3	(3.3 - 5.5)
Female	1.3	(0.8 - 2.0)
Race		
White	2.8	(2.2 - 3.6)
Black	3.2	(1.8 - 5.6)
Education		
Less than high school	2.9	(1.1 - 7.2)
High school graduate	2.0	(1.4 - 2.9)
Some college	3.4	(2.4 - 4.9)
College graduate	2.6	(1.8 - 3.8)
Household Income		
< $20,000	2.4	(1.3 - 4.5)
$20,000 - $34,999	3.2	(1.9 - 5.2)
$35,000 - $49,999	3.4	(2.1 - 5.4)
$50,000 - $74,999	3.5	(2.3 - 5.4)
$75,000 +	2.0	(1.3 - 3.2)

[a] Proportion who reported that they had driven when they'd had too much to drink at least once in the previous month.

Table 14: Clinical Breast Exam Indicators Among Women Aged 20 Years and Older
2004 Michigan BRFS

Demographic Characteristics	Ever Had Clinical Breast Exam[a]		Had Appropriately Timed Clinical Breast Exam[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**92.9**	**(91.5 - 94.0)**	**74.2**	**(72.4 - 76.0)**
Age				
20 - 29	85.4	(79.4 - 89.9)	82.9	(76.7 - 87.7)
30 - 39	94.6	(91.9 - 96.5)	88.5	(85.1 - 91.2)
40 - 49	95.0	(92.7 - 96.6)	67.5	(63.4 - 71.4)
50 - 59	95.4	(92.5 - 97.2)	70.0	(65.5 - 74.2)
60 - 69	95.4	(92.3 - 97.2)	71.5	(66.5 - 76.0)
70 +	90.7	(87.6 - 93.0)	62.2	(57.6 - 66.6)
Race				
White	94.1	(92.7 - 95.2)	75.4	(73.4 - 77.2)
Black	90.7	(85.8 - 94.0)	73.5	(67.0 - 79.0)
Education				
Less than high school	80.6	(73.0 - 86.4)	59.9	(51.8 - 67.5)
High school graduate	89.6	(86.6 - 91.9)	67.1	(63.5 - 70.5)
Some college	95.3	(93.1 - 96.9)	76.7	(73.4 - 79.7)
College graduate	97.1	(95.5 - 98.1)	83.1	(80.3 - 85.6)
Household Income				
< $20,000	84.4	(79.6 - 88.3)	59.4	(54.2 - 64.4)
$20,000 - $34,999	92.1	(88.9 - 94.4)	68.7	(64.2 - 72.8)
$35,000 - $49,999	96.6	(93.2 - 98.4)	78.4	(73.5 - 82.7)
$50,000 - $74,999	97.1	(94.4 - 98.6)	82.4	(78.3 - 85.9)
$75,000 +	96.3	(93.3 - 98.0)	82.2	(78.1 - 85.6)

[a] Among women aged 20 years and older, the proportion who reported ever having a clinical breast exam. (n=2924)
[b] Among women, 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. (n=2907)

Table 15: Mammography Indicators Among Women Aged 40 Years and Older
2004 Michigan BRFS

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**	**(92.2 - 94.6)**	**62.7**	**(60.4 - 65.0)**	**55.7**	**(53.4 - 58.0)**
Age						
40 - 49	88.1	(84.9 - 90.8)	56.6	(52.3 - 60.8)	52.4	(48.1 - 56.6)
50 - 59	95.9	(93.6 - 97.5)	65.9	(61.4 - 70.2)	58.9	(54.2 - 63.4)
60 - 69	96.9	(94.6 - 98.3)	71.5	(66.7 - 75.9)	62.1	(56.9 - 67.0)
70 +	96.4	(94.3 - 97.8)	62.0	(57.4 - 66.4)	52.6	(47.9 - 57.2)
Race						
White	94.8	(93.6 - 95.8)	63.3	(60.9 - 65.6)	56.8	(54.3 - 59.2)
Black	88.3	(81.4 - 92.9)	63.2	(54.8 - 70.9)	52.1	(43.7 - 60.4)
Education						
Less than high school	90.0	(82.9 - 94.3)	53.0	(44.6 - 61.3)	44.5	(36.2 - 53.0)
High school graduate	93.0	(90.5 - 94.9)	61.0	(57.1 - 64.8)	53.3	(49.4 - 57.2)
Some college	93.9	(91.3 - 95.7)	61.1	(56.7 - 65.3)	54.6	(50.2 - 59.0)
College graduate	94.8	(92.2 - 96.6)	69.6	(65.4 - 73.5)	63.3	(58.9 - 67.4)
Household Income						
< $20,000	88.8	(84.4 - 92.1)	49.2	(43.7 - 54.8)	42.9	(37.5 - 48.5)
$20,000 - $34,999	94.2	(91.5 - 96.1)	58.4	(53.3 - 63.4)	49.7	(44.5 - 54.9)
$35,000 - $49,999	96.2	(92.3 - 98.1)	63.9	(57.4 - 70.0)	58.5	(51.9 - 64.7)
$50,000 - $74,999	93.1	(88.8 - 95.8)	65.8	(59.7 - 71.5)	60.9	(54.7 - 66.7)
$75,000 +	94.1	(90.2 - 96.6)	71.4	(65.9 - 76.3)	65.2	(59.5 - 70.5)

Note: Data included diagnostic tests.
Among women aged 40 years and older, the proportion who…
[a] reported ever having a mammogram. (n=2161)
[b] reported having a mammogram in the past year. (n=2154)
[c] had both a clinical breast exam and mammogram in the previous year. (n=2143)

Table 16: Cervical Cancer Screening
2004 Michigan BRFS

Demographic Characteristics	Ever Had Pap Test[a]		Had Appropriately Timed Pap Test[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**94.8**	**(93.5 - 95.8)**	**82.6**	**(81.0 - 84.1)**
Age				
18 - 29	85.1	(79.7 - 89.2)	84.2	(78.7 - 88.4)
30 - 39	96.8	(94.2 - 98.3)	91.4	(88.3 - 93.8)
40 - 49	97.5	(95.6 - 98.6)	87.7	(84.4 - 90.3)
50 - 59	98.7	(97.1 - 99.5)	82.5	(78.7 - 85.7)
60 - 69	97.9	(95.6 - 99.0)	77.2	(72.6 - 81.3)
70 +	94.5	(92.1 - 96.2)	64.6	(60.1 - 68.9)
Race				
White	95.5	(94.2 - 96.6)	82.8	(81.1 - 84.4)
Black	92.4	(87.3 - 95.6)	84.8	(79.2 - 89.1)
Education				
Less than high school	89.3	(83.1 - 93.5)	75.1	(68.2 - 81.0)
High school graduate	92.9	(90.2 - 94.9)	76.5	(73.1 - 79.5)
Some college	95.9	(93.5 - 97.4)	85.4	(82.6 - 87.9)
College graduate	97.4	(95.6 - 98.4)	89.0	(86.5 - 91.0)
Household Income				
< $20,000	91.0	(86.3 - 94.1)	69.6	(64.6 - 74.2)
$20,000 - $34,999	94.8	(92.1 - 96.6)	80.4	(76.8 - 83.6)
$35,000 - $49,999	98.2	(95.3 - 99.4)	87.0	(82.8 - 90.2)
$50,000 - $74,999	98.3	(96.2 - 99.2)	90.1	(86.6 - 92.7)
$75,000 +	95.8	(92.4 - 97.7)	89.1	(85.5 - 92.0)

Note: Data included diagnostic tests.
Among women aged 18 years and older, the proportion who…
[a] reported ever having a Pap test. (n=2977)
[b] had a Pap test within the previous three years. (n=2937)

Table 17: Prostate Cancer Screening Among Men Aged 50 Years and Older
2004 Michigan BRFS

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	**88.0**	**(85.3 - 90.3)**	**53.6**	**(50.0 - 57.2)**	**80.5**	**(77.3 - 83.4)**	**56.8**	**(53.0 - 60.4)**
Age								
50 - 59	84.2	(79.2 - 88.1)	49.2	(43.6 - 54.8)	73.6	(68.0 - 78.4)	49.2	(43.6 - 54.9)
60 - 69	92.4	(88.6 - 95.0)	61.4	(55.1 - 67.4)	89.6	(85.5 - 92.7)	66.1	(59.8 - 71.9)
70 +	90.6	(85.7 - 93.9)	53.2	(46.4 - 59.9)	83.7	(77.8 - 88.3)	61.0	(54.0 - 57.6)
Race								
White	90.4	(88.0 - 92.4)	55.0	(51.2 - 58.7)	81.8	(78.7 - 84.6)	58.1	(54.2 - 61.8)
Black	76.0	(60.8 - 86.6)	46.5	(32.6 - 60.9)	74.8	(58.7 - 86.1)	51.5	(36.8 - 65.9)
Education								
High school grad or less	82.5	(77.4 - 86.7)	46.4	(40.6 - 52.2)	74.1	(68.4 - 79.1)	52.0	(46.1 - 57.9)
Some college or more	91.6	(88.3 - 94.0)	58.4	(53.7 - 63.0)	84.5	(80.6 - 87.8)	59.9	(55.1 - 64.5)
Household Income								
< $35,000	83.4	(77.9 - 87.8)	48.7	(42.5 - 54.9)	71.7	(65.3 - 77.3)	47.7	(51.5 - 53.9)
$35,000 +	92.7	(89.7 - 94.9)	57.6	(52.7 - 62.3)	85.3	(81.5 - 88.5)	61.5	(56.5 - 66.2)

Note: Men who had been diagnosed with prostate cancer [7.8% (CI 6.1 - 9.9)] were excluded.
Among men aged 50 years and older, the proportion who reported…
[a] ever having a digital rectal exam. (n=977)
[b] having a digital rectal exam in the past year. (n=969)
[c] ever having a prostate-specific antigen (PSA) test. (n=944)
[d] having a PSA test in the past year. (n=938)

Table 18: Colorectal Cancer Screening (Blood Stool Test) Among Adults Aged 50 Years and Older
2004 Michigan BRFS

Demographic Characteristics	Ever Had Blood Stool Test[a]		Had Blood Stool Test in Past Two Years[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**51.9**	**(49.7 - 54.1)**	**30.4**	**(28.4 - 32.5)**
Age				
50 - 59	43.2	(39.7 - 46.8)	23.8	(20.9 - 27.1)
60 - 69	55.4	(51.4 - 59.4)	34.5	(30.7 - 38.5)
70 +	60.9	(57.2 - 64.5)	35.9	(32.4 - 39.6)
Gender				
Male	51.1	(47.6 - 54.6)	30.8	(27.6 - 34.2)
Female	52.6	(49.9 - 55.4)	30.0	(27.6 - 32.6)
Race				
White	53.3	(51.0 - 55.5)	31.2	(29.2 - 33.4)
Black	46.2	(37.8 - 54.8)	23.7	(17.0 - 32.0)
Education				
Less than high school	50.0	(43.0 - 56.9)	28.9	(22.7 - 36.0)
High school graduate	47.3	(43.6 - 51.1)	28.5	(25.3 - 32.0)
Some college	56.1	(51.7 - 60.4)	34.5	(30.5 - 38.7)
College graduate	54.1	(50.0 - 58.0)	29.2	(25.7 - 33.0)
Household Income				
< $20,000	49.4	(44.2 - 54.7)	30.1	(25.2 - 35.4)
$20,000 - $34,999	47.4	(43.0 - 51.9)	25.9	(22.3 - 30.0)
$35,000 - $49,999	52.5	(46.6 - 58.3)	31.9	(26.7 - 37.6)
$50,000 - $74,999	53.7	(47.7 - 59.6)	30.6	(25.4 - 36.5)
$75,000 +	55.4	(50.0 - 60.8)	31.3	(26.3 - 36.6)

Among those aged 50 years and older, 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?" (n=2494)
[b] had a blood stool test within the past two years using a home kit. (n=2468)

Table 19: Colorectal Cancer Screening (Sigmoidoscopy/Colonoscopy) Among Adults Aged 50 Years and Older
2004 Michigan BRFS

Demographic Characteristics	Ever Had a Sigmoidoscopy or Colonoscopy[a]		Had Sigmoidoscopy or Colonoscopy in Past 5 Years[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**60.3**	**(58.1 - 62.5)**	**50.4**	**(48.2 - 52.6)**
Age				
50 - 59	47.8	(44.2 - 51.4)	39.9	(36.5 - 43.5)
60 - 69	67.8	(64.0 - 71.4)	58.4	(54.4 - 62.3)
70 +	71.0	(67.4 - 74.2)	57.9	(54.1 - 61.5)
Gender				
Male	61.3	(57.8 - 64.7)	52.9	(49.3 - 56.3)
Female	59.4	(56.7 - 62.2)	48.3	(45.5 - 51.1)
Race				
White	61.3	(59.1 - 63.5)	50.9	(48.6 - 53.1)
Black	57.5	(48.8 - 65.8)	50.3	(41.7 - 58.9)
Education				
Less than high school	52.1	(45.1 - 59.1)	42.3	(35.6 - 49.3)
High school graduate	60.1	(56.3 - 63.7)	49.8	(46.0 - 53.5)
Some college	60.1	(55.8 - 64.4)	49.6	(45.3 - 54.0)
College graduate	63.4	(59.5 - 67.2)	54.4	(50.4 - 58.4)
Household Income				
< $20,000	57.0	(51.6 - 62.2)	45.0	(39.7 - 50.4)
$20,000 - $34,999	60.1	(55.6 - 64.4)	49.2	(44.7 - 53.7)
$35,000 - $49,999	60.2	(54.3 - 65.8)	49.8	(43.9 - 55.7)
$50,000 - $74,999	60.9	(54.8 - 66.6)	55.9	(49.9 - 61.8)
$75,000 +	61.8	(56.3 - 67.0)	50.9	(45.4 - 56.3)

Among those aged 50 years and older, the proportion who…
[a] reported 'Yes' to the question, "Sigmoidoscopy and colonoscopy are exams in which a tub 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?" (n=2491)
[b] had a sigmoidoscopy or colonoscopy with the past five years. (n=2475)

Table 20: Excess Sun Exposure
2004 Michigan BRFS

Demographic Characteristics	Had a Sunburn in Past Year[a]	
	%	95% Confidence Interval
Total	**38.3**	**(36.6 - 39.9)**
Age		
18 - 24	53.8	(47.6 - 59.8)
25 - 34	50.1	(45.6 - 54.7)
35 - 44	48.2	(44.6 - 51.7)
45 - 54	40.7	(37.4 - 44.0)
55 - 64	24.6	(21.6 - 28.0)
65 - 74	14.3	(11.6 - 17.4)
75 +	5.8	(4.1 - 8.2)
Gender		
Male	43.8	(41.2 - 46.4)
Female	33.2	(31.3 - 35.2)
Race		
White	44.1	(42.3 - 45.9)
Black	5.7	(3.5 - 9.1)
Education		
Less than high school	25.8	(20.4 - 32.0)
High school graduate	35.1	(32.2 - 38.0)
Some college	40.8	(37.8 - 43.9)
College graduate	43.3	(40.4 - 46.1)
Household Income		
< $20,000	22.1	(18.4 - 26.3)
$20,000 - $34,999	31.4	(28.0 - 35.1)
$35,000 - $49,999	40.9	(36.8 - 45.2)
$50,000 - $74,999	47.5	(43.6 - 51.5)
$75,000 +	49.9	(46.4 - 53.4)

[a] The proportion who had at least one sunburn during the past 12 months.

Table 21: Disability
2004 Michigan BRFS

Demographic Characteristics	Total Disability[a]		Activity Limitation[b]		Used Special Equipment[c]	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	**21.3**	**(20.1 - 22.7)**	**19.8**	**(18.5 - 21.1)**	**6.5**	**(5.8 - 7.2)**
Age						
18 - 24	10.0	(6.8 - 14.5)	9.5	(6.4 - 13.9)	0.9	(0.3 - 2.7)
25 - 34	12.5	(9.6 - 16.1)	12.3	(9.4 - 15.9)	2.6	(1.4 - 4.7)
35 - 44	16.3	(13.9 - 19.1)	15.3	(13.0 - 18.1)	3.3	(2.3 - 4.9)
45 - 54	23.1	(20.4 - 26.1)	22.3	(19.5 - 25.3)	5.7	(4.3 - 7.4)
55 - 64	29.6	(26.3 - 33.2)	28.6	(25.4 - 32.1)	8.5	(6.8 - 10.6)
65 - 74	29.9	(26.2 - 33.8)	26.9	(23.4 - 30.8)	11.0	(8.7 - 13.9)
75 +	43.6	(39.0 - 48.2)	34.9	(30.7 - 39.4)	24.4	(20.7 - 28.6)
Gender						
Male	20.1	(18.1 - 22.2)	18.6	(16.7 - 20.7)	4.9	(4.0 - 6.0)
Female	22.5	(20.9 - 24.2)	20.8	(19.3 - 22.5)	7.9	(7.0 - 8.9)
Race						
White	21.1	(19.8 - 22.5)	19.4	(18.2 - 20.8)	6.1	(5.5 - 6.9)
Black	21.0	(16.9 - 25.8)	19.5	(15.5 - 24.3)	8.5	(6.1 - 11.7)
Education						
Less than high school	31.3	(26.1 - 37.1)	28.5	(23.4 - 34.1)	10.2	(7.5 - 13.8)
High school graduate	24.7	(22.3 - 27.3)	22.3	(20.0 - 24.8)	8.0	(6.8 - 9.5)
Some college	20.3	(19.1 - 22.7)	19.4	(17.2 - 21.7)	5.6	(4.5 - 7.0)
College graduate	15.9	(14.1 - 18.0)	15.1	(13.3 - 17.1)	4.5	(3.5 - 5.7)
Household Income						
< $20,000	39.5	(35.3 - 43.8)	36.5	(32.5 - 40.7)	16.9	(14.3 - 20.0)
$20,000 - $34,999	23.6	(20.7 - 26.7)	22.0	(19.1 - 25.1)	7.5	(6.0 - 9.3)
$35,000 - $49,999	14.9	(12.4 - 17.9)	13.6	(11.1 - 16.4)	4.1	(2.9 - 5.9)
$50,000 - $74,999	17.3	(14.5 - 20.5)	16.2	(13.5 - 19.3)	3.0	(1.9 - 4.9)
$75,000 +	12.6	(10.5 - 15.0)	12.1	(10.1 - 14.5)	2.1	(1.4 - 3.2)

[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 22: Oral Health
2004 Michigan BRFS

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	**24.0**	**(22.5 - 25.4)**	**25.0**	**(23.5 - 26.5)**	**15.4**	**(14.4 - 16.5)**
Age						
18 - 24	25.7	(20.7 - 31.5)	30.4	(25.1 - 36.4)	0.9	(0.2 - 3.5)
25 - 34	29.6	(25.6 - 34.0)	32.2	(28.0 - 36.7)	1.7	(0.8 - 3.5)
35 - 44	20.8	(18.0 - 24.0)	22.9	(19.9 - 26.1)	6.6	(4.9 - 8.8)
45 - 54	22.9	(20.0 - 26.0)	25.5	(22.4 - 28.8)	15.1	(12.7 - 17.9)
55 - 64	20.2	(17.4 - 23.4)	18.2	(15.4 - 21.3)	27.4	(24.2 - 30.9)
65 - 74	24.0	(20.6 - 27.9)	17.3	(14.1 - 21.1)	40.1	(35.9 - 44.3)
75 +	25.9	(22.1 - 30.0)	20.2	(16.6 - 24.5)	47.1	(42.4 - 51.8)
Gender						
Male	26.3	(24.0 - 28.7)	27.7	(25.3 - 30.3)	14.3	(12.7 - 16.0)
Female	21.9	(20.2 - 23.6)	22.4	(20.6 - 24.3)	16.5	(15.2 - 18.0)
Race						
White	22.4	(20.9 - 23.9)	22.8	(21.2 - 24.4)	14.5	(13.5 - 15.7)
Black	29.6	(24.8 - 34.9)	32.4	(27.2 - 38.0)	21.9	(17.9 - 26.6)
Education						
Less than high school	44.3	(38.3 - 50.4)	44.5	(37.8 - 51.4)	31.9	(27.0 - 37.2)
High school graduate	30.1	(27.4 - 32.9)	31.6	(28.8 - 34.6)	21.1	(19.1 - 23.3)
Some college	23.7	(21.1 - 26.5)	25.9	(23.1 - 28.8)	13.4	(11.6 - 15.5)
College graduate	11.8	(10.0 - 13.9)	12.5	(10.6 - 14.6)	6.4	(5.2 - 7.8)
Household Income						
< $20,000	48.6	(44.2 - 53.0)	51.9	(47.1 - 56.7)	32.9	(29.1 - 37.0)
$20,000 - $34,999	32.5	(29.1 - 36.2)	33.6	(29.9 - 37.5)	23.5	(20.8 - 26.5)
$35,000 - $49,999	19.9	(16.6 - 23.6)	21.4	(18.0 - 25.3)	13.2	(10.8 - 15.9)
$50,000 - $74,999	17.8	(14.7 - 21.4)	18.9	(15.7 - 22.6)	6.8	(5.1 - 8.9)
$75,000 +	10.4	(8.3 - 12.9)	11.5	(9.2 - 14.1)	4.6	(3.4 - 6.3)

[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 23: Immunizations Among Adults Aged 65 Years and Older
2004 Michigan BRFS

Demographic Characteristics	Had Flu Shot in Past Year[a]		Ever Had Pneumonia Vaccine[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**66.6**	**(63.6 - 69.5)**	**59.4**	**(56.1 - 62.5)**
Age				
65 - 74	61.4	(57.1 - 65.4)	52.8	(48.5 - 57.1)
75 +	71.8	(67.4 - 75.8)	65.8	(61.1 - 70.2)
Gender				
Male	63.2	(58.1 - 68.0)	51.5	(46.3 - 56.7)
Female	69.0	(65.2 - 72.5)	64.8	(60.8 - 68.6)
Race				
White	69.5	(66.4 - 72.3)	62.5	(59.3 - 65.7)
Black	40.4	(46.4 - 71.6)	33.0	(21.7 - 46.6)
Education				
Less than high school	62.4	(54.3 - 69.9)	53.6	(45.3 - 61.8)
High school graduate	67.9	(62.9 - 72.4)	63.0	(57.9 - 67.9)
Some college	67.8	(61.4 - 73.6)	61.7	(55.1 - 68.0)
College graduate	66.6	(60.3 - 72.4)	55.8	(49.0 - 62.3)
Household Income				
< $20,000	66.5	(60.1 - 72.4)	60.0	(53.2 - 66.4)
$20,000 - $34,999	63.4	(57.6 - 68.7)	58.9	(53.1 - 64.5)
$35,000 - $49,999	64.1	(55.2 - 72.2)	54.1	(44.8 - 63.1)
$50,000 +	66.5	(57.9 - 74.1)	53.8	(45.0 - 62.3)

[a] Among those aged 65 years and older, the proportion who reported that they had a flu shot during the past 12 months. (n=1189)
[b] Among those aged 65 years and older, the proportion who reported that they ever had a pneumococcal vaccine. (n=1142)

Table 24: HIV Testing Among Adults Aged 18 - 64 Years
2004 Michigan BRFS

Demographic Characteristics	Ever Had an HIV Test[a]	
	%	95% Confidence Interval
Total	**40.3**	**(38.4 - 42.1)**
Age		
18 - 24	37.2	(31.5 - 43.3)
25 - 34	58.2	(53.6 - 62.6)
35 - 44	49.0	(45.4 - 52.5)
45 - 54	32.0	(28.9 - 35.3)
55 - 64	18.8	(16.0 - 21.9)
Gender		
Male	36.4	(33.6 - 39.3)
Female	44.0	(41.6 - 46.4)
Race		
White	37.0	(35.1 - 39.0)
Black	56.4	(50.3 - 62.3)
Education		
Less than high school	41.2	(33.5 - 49.4)
High school graduate	37.6	(34.3 - 41.1)
Some college	45.4	(42.0 - 48.9)
College graduate	37.8	(34.8 - 40.8)
Household Income		
< $20,000	48.9	(43.3 - 54.5)
$20,000 - $34,999	44.1	(39.5 - 48.7)
$35,000 - $49,999	41.1	(36.4 - 45.8)
$50,000 - $74,999	39.7	(35.6 - 43.9)
$75,000 +	38.8	(35.4 - 42.4)

Note: "Don't know" was considered a valid response (2.9% [CI 2.3 - 3.5]).
[a] Among those aged 18 - 64 years, the proportion who reported that they ever had been tested for HIV, apart from tests that were part of a blood donation. (n=3674)

Table 25: HIV Treatment Perceptions Among Adults Aged 18 - 64 Years
2004 Michigan BRFS

Demographic Characteristics	A pregnant woman with HIV can get Treatment to help reduce the chances that she will pass the virus to her baby.[a]				There are medical treatments available that are intended to help a person who is infected with HIV to live longer.[b]			
	TRUE		FALSE		TRUE		FALSE	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	**49.6**	**(47.7 - 51.4)**	**17.4**	**(15.9 - 18.9)**	**89.9**	**(88.6 - 91.0)**	**2.2**	**(1.7 - 2.9)**
Age								
18 - 24	54.2	(48.1 - 60.2)	24.3	(19.4 - 30.1)	84.8	(78.8 - 88.7)	3.1	(1.6 - 6.0)
25 - 34	53.0	(48.5 - 57.6)	15.1	(12.0 - 18.9)	90.4	(87.3 - 92.9)	3.1	(1.7 - 5.5)
35 - 44	48.2	(44.6 - 51.8)	17.1	(14.5 - 20.1)	90.7	(88.4 - 92.6)	2.1	(1.3 - 3.3)
45 - 54	47.5	(44.1 - 50.9)	16.5	(14.0 - 19.3)	91.9	(89.7 - 93.7)	1.5	(0.8 - 2.6)
55 - 64	45.7	(41.9 - 49.4)	15.3	(12.7 - 18.3)	89.9	(87.4 - 91.9)	1.3	(0.6 - 2.6)
Gender								
Male	44.4	(41.5 - 47.4)	22.5	(20.1 - 25.1)	90.9	(89.0 - 92.5)	2.1	(1.3 - 3.2)
Female	54.5	(52.1 - 56.9)	12.4	(10.8 - 14.1)	88.9	(87.1 - 90.4)	2.3	(1.6 - 3.2)
Race								
White	49.0	(47.0 - 51.0)	17.0	(15.4 - 18.7)	90.8	(89.5 - 92.0)	2.0	(1.5 - 2.7)
Black	56.1	(50.0 - 62.1)	17.5	(13.1 - 22.9)	86.1	(81.4 - 89.8)	2.7	(1.3 - 5.6)
Education								
Less than high school	53.4	(45.3 - 61.3)	22.3	(16.1 - 30.1)	80.8	(74.0 - 86.1)	5.8	(2.8 - 11.4)
High school graduate	44.3	(40.9 - 47.8)	18.1	(15.5 - 21.0)	84.0	(81.2 - 86.4)	3.2	(2.2 - 4.6)
Some college	49.1	(45.7 - 52.6)	18.1	(15.4 - 21.0)	92.5	(90.4 - 94.2)	1.2	(0.6 - 2.5)
College graduate	54.5	(51.4 - 57.6)	14.6	(12.4 - 17.0)	95.3	(93.6 - 96.6)	1.3	(0.7 - 2.3)
Household Income								
< $20,000	52.5	(46.8 - 58.0)	20.4	(16.1 - 25.6)	82.4	(77.6 - 86.4)	5.4	(3.3 - 8.8)
$20,000 - $34,999	47.2	(42.7 - 51.8)	18.5	(15.1 - 22.5)	88.7	(85.6 - 91.2)	3.2	(1.9 - 5.3)
$35,000 - $49,999	50.7	(46.0 - 55.4)	16.4	(13.2 - 20.3)	88.6	(85.0 - 91.4)	1.4	(0.7 - 2.9)
$50,000 - $74,999	49.6	(45.4 - 53.8)	16.6	(13.5 - 20.3)	92.8	(90.3 - 94.7)	1.2	(0.5 - 2.6)
$75,000 +	50.1	(46.5 - 53.8)	17.0	(14.3 - 20.0)	95.4	(93.5 - 96.7)	0.7	(0.3 - 1.7)

Among those aged 18 – 64 years, the proportion who reported that the following two statements were either true or false ("Don't know" was considered a valid response):

[a] A pregnant woman with HIV can get treatment to help reduce the chances that she will pass the virus to her baby. (Don't know: 33.1% [CI 31.4 - 34.9]) (n=3680)

[b] There are medical treatments available that are intended to help a person who is infected with HIV to live longer. (Don't know: 8.0% [CI 7.0 - 9.1]) (n=3678)

Table 26: Engaged in At-Risk Behaviors for Acquiring HIV Among Adults Aged 18 - 64 Years
2004 Michigan BRFS

Demographic Characteristics	Engaged in At-Risk Behaviors for Acquiring HIV[a]	
	%	95% Confidence Interval
Total	**3.7**	**(3.0 - 4.6)**
Age		
18 - 24	9.5	(6.5 - 13.7)
25 - 34	4.8	(3.2 - 7.1)
35 - 44	2.7	(1.8 - 4.0)
45 - 54	2.3	(1.5 - 3.6)
55 - 64	0.6	(0.2 - 1.5)
Gender		
Male	3.9	(2.9 - 5.3)
Female	3.6	(2.7 - 4.7)
Race		
White	3.1	(2.4 - 4.0)
Black	6.2	(3.8 - 9.9)
Education		
Less than high school	11.5	(7.0 - 18.1)
High school graduate	5.3	(3.9 - 7.2)
Some college	3.0	(2.0 - 4.5)
College graduate	1.2	(0.7 - 2.1)
Household Income		
< $20,000	7.4	(4.9 - 11.1)
$20,000 - $34,999	6.7	(4.5 - 9.9)
$35,000 - $49,999	3.1	(1.8 - 5.4)
$50,000 - $74,999	2.6	(1.6 - 4.4)
$75,000 +	1.1	(0.5 - 2.3)

[a] Among those aged 18 - 64 years, the proportion who reported that they had done at least one of the following in the past year (n=3662):
- Used intravenous drugs.
- Been treated for a sexually transmitted or venereal disease.
- Given or received money or drugs in exchange for sex.
- Had anal sex without a condom.

Table 27: STD Prevention Among Adults Aged 18 - 64 Years
2004 Michigan BRFS

Demographic Characteristics	Health Care Professional Talked about STD Prevention through Condom Use[a]	
	%	95% Confidence Interval
Total	**12.0**	**(10.7 - 13.5)**
Age		
18 - 24	37.4	(31.6 - 43.5)
25 - 34	14.6	(11.8 - 18.0)
35 - 44	8.2	(6.3 - 10.6)
45 - 54	3.6	(2.5 - 5.0)
55 - 64	2.4	(1.5 - 3.8)
Gender		
Male	8.6	(6.9 - 10.7)
Female	15.3	(13.4 - 17.4)
Race		
White	9.5	(8.2 - 11.0)
Black	26.0	(20.9 - 31.9)
Education		
Less than high school	19.5	(13.5 - 27.2)
High school graduate	14.5	(11.9 - 17.6)
Some college	12.8	(10.5 - 15.6)
College graduate	7.1	(5.5 - 9.2)
Household Income		
< $20,000	19.7	(15.3 - 24.9)
$20,000 - $34,999	17.0	(13.5 - 21.2)
$35,000 - $49,999	11.2	(8.2 - 15.0)
$50,000 - $74,999	8.9	(6.5 - 12.1)
$75,000 +	5.9	(4.1 - 8.3)

[a] Among those aged 18 - 64 years, the proportion who reported that in the past 12 months, a doctor, nurse, or health care professional talked to them about preventing sexually transmitted diseases through condom use. (n=3655)

Table 28: Firearms in the Home
2004 Michigan BRFS

Demographic Characteristics	Have Loaded, Unlocked Gun[a]		Have No Gun[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**3.2**	**(2.6 - 3.8)**	**59.3**	**(57.6 - 60.9)**
Age				
18 - 24	1.6	(0.6 - 4.1)	67.9	(61.8 - 73.5)
25 - 34	4.5	(2.8 - 7.1)	65.9	(61.3 - 70.2)
35 - 44	2.6	(1.7 - 3.9)	58.4	(54.8 - 61.9)
45 - 54	3.0	(2.1 - 4.4)	51.1	(47.6 - 54.5)
55 - 64	4.5	(3.1 - 6.6)	51.9	(48.1 - 55.7)
65 - 74	2.9	(1.8 - 4.7)	56.6	(52.3 - 60.9)
75 +	3.2	(1.8 - 5.6)	66.4	(61.6 - 70.8)
Gender				
Male	4.9	(3.9 - 6.2)	49.4	(46.7 - 52.0)
Female	1.6	(1.2 - 2.2)	68.2	(66.3 - 70.1)
Race				
White	2.8	(2.3 - 3.4)	55.8	(54.0 - 57.6)
Black	4.3	(2.5 - 7.5)	77.8	(72.5 - 82.3)
Education				
Less than high school	3.8	(1.9 - 7.5)	64.0	(57.8 - 69.8)
High school graduate	2.5	(1.8 - 3.6)	56.0	(53.0 - 58.9)
Some college	3.5	(2.6 - 4.7)	56.8	(53.7 - 59.9)
College graduate	3.4	(2.4 - 4.8)	63.5	(60.7 - 66.3)
Household Income				
< $20,000	2.9	(1.7 - 4.9)	73.0	(68.8 - 76.8)
$20,000 - $34,999	2.4	(1.6 - 3.7)	61.7	(58.0 - 65.2)
$35,000 - $49,999	4.3	(2.9 - 6.5)	54.9	(50.6 - 59.1)
$50,000 - $74,999	3.0	(1.9 - 4.6)	50.3	(46.3 - 54.3)
$75,000 +	3.9	(2.7 - 5.6)	55.1	(51.5 - 58.6)

[a] Among all respondents, the proportion who reported having a loaded, unlocked gun in their home.
[b] Among all respondents, the proportion who reported not having a gun in their home.

Table 29: Birth Control Use by Gender
2004 Michigan BRFS

Demographic Characteristics	Using Birth Control[a]			
	Males Aged 18-59 Years		Females Aged 18-44 Years	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**64.9**	**(61.9 - 67.8)**	**69.2**	**(65.8 - 72.4)**
Age				
18 - 34	64.3	(58.6 - 69.6)	68.1	(63.4 - 72.6)
35 - 44	71.9	(66.5 - 76.8)	70.9	(66.3 - 75.1)
45 - 59	60.3	(56.0 - 64.5)	-----	-----
Race				
White	65.9	(62.6 - 69.0)	70.7	(66.9 - 74.2)
Black	65.0	(54.6 - 74.2)	57.2	(46.8 - 67.0)
Education				
High school grad or less	62.7	(57.6 - 67.5)	69.1	(63.0 - 74.5)
Some college or more	66.5	(62.8 - 70.0)	69.2	(65.1 - 73.1)
Household Income				
< $35,000	57.3	(51.0 - 63.3)	63.8	(57.5 - 69.8)
$35,000 +	69.1	(65.6 - 72.4)	73.9	(69.6 - 77.7)

Note: Family planning questions were not asked of women who were over the age of 44, who had a hysterectomy, or who was currently pregnant, and were not asked of men over the age of 64.
[a] The proportion who reported that they or their partner were doing something to prevent pregnancy. (Men: n=1309) (Women: n=992)

Table 30: Method of Birth Control Among Men Aged 18 - 59 Years and Among Women Aged 18 - 44 Years
2004 Michigan BRFS

Method of Birth Control	%	95% Confidence Interval
Sterilization[a]	43.1	(40.3 - 45.9)
Drugs[b]	27.3	(24.7 - 30.1)
Condoms (Male or Female)[c]	22.4	(20.0 - 25.1)
External Contraceptives[d]	2.0	(1.4 - 3.1)
Withdrawal / Rhythm[e]	2.6	(1.8 - 3.7)
Other Methods[f]	2.6	(1.8 - 3.7)

[a] The proportion who reported the following methods of birth control: tubes tied, hysterectomy, or vasectomy.
[b] The proportion who reported using the pill, contraceptive implants (Jadelle or Implants), shots (Depo-Provera or Lunelle), or contraceptive patches.
[c] The proportion who reported using male or female condoms.
[d] The proportion who reported using diaphragms, cervical rings, or caps, or IUD (including Mirena).
[e] The proportion who reported using the withdrawal or rhythm method.
[f] The proportion who reported using other methods, such as foam, jelly, and cream.

Table 31: Main Reason for Not Using Birth Control Among Men Aged 18 - 59 Years and Among Women Aged 18 - 44 Years
2004 Michigan BRFS

Main Reason	%	95% Confidence Interval
Can not get pregnant[a]	30.2	(25.9 - 34.9)
Want or do not care about pregnancy[b]	28.0	(23.5 - 33.1)
Do not want to use or can not use birth control[c]	6.4	(4.2 - 9.6)
Sterilization[d]	18.1	(14.7 - 22.2)
Physical[e]	7.3	(4.9 - 10.8)
Lapse in use of method or other reason[f]	9.9	(7.1 - 13.6)

[a] The proportion who reported one of the following main reasons for not using birth control: "didn't think was going to have sex/no regular sex partner," "don't think you/your partner can get pregnant," or "you/your partner are too old."
[b] The proportion who reported one of the following main reasons for not using birth control: "you want a pregnancy," or "don't care if get pregnant."
[c] The proportion who reported one of the following main reasons for not using birth control: "you/your partner don't want to use birth control," "you/your partner don't like birth control/fear side effects," or "you can't pay for birth control."
[d] The proportion who reported one of the following main reasons for not using birth control: "you/your partner had tubes tied," "you/your partner had a vasectomy," or "you/your partner had a hysterectomy."
[e] The proportion who reported one of the following main reasons for not using birth control: "you/your partner are currently breast-feeding," "you/your partner had a baby/postpartum," or "partner is pregnant now."
[f] The proportion who reported one of the following main reasons for not using birth control: "lapse in use of a method," or "other reason."

Table 32: Environmental Factors
2004 Michigan BRFS

Demographic Characteristics	Poor Indoor Air Quality[a]		Poor Outdoor Air Quality[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**22.9**	**(21.5 - 24.3)**	**9.0**	**(8.1 - 10.0)**
Age				
18 - 24	30.3	(24.9 - 36.2)	10.0	(6.9 - 14.3)
25 - 34	27.5	(23.6 - 31.8)	7.2	(5.2 - 10.0)
35 - 44	24.7	(21.9 - 27.8)	8.8	(6.9 - 11.1)
45 - 54	23.6	(20.9 - 26.5)	10.6	(8.6 - 13.0)
55 - 64	20.6	(17.7 - 23.9)	10.8	(8.6 - 13.5)
65 - 74	11.4	(9.1 - 14.2)	9.6	(7.4 - 12.2)
75 +	9.7	(7.3 - 12.8)	3.9	(2.4 - 6.2)
Gender				
Male	20.0	(17.9 - 22.3)	7.5	(6.2 - 9.1)
Female	25.5	(23.7 - 27.3)	10.4	(9.1 - 11.7)
Race				
White	22.3	(20.8 - 23.8)	8.3	(7.4 - 9.4)
Black	25.0	(20.6 - 30.1)	12.2	(9.2 - 16.1)
Education				
Less than high school	18.2	(13.7 - 23.7)	8.6	(5.7 - 13.0)
High school graduate	21.2	(18.9 - 23.8)	9.7	(8.0 - 11.6)
Some college	26.9	(24.2 - 29.8)	9.2	(7.6 - 11.1)
College graduate	22.0	(19.7 - 24.5)	8.2	(6.8 - 10.0)
Household Income				
< $20,000	26.1	(22.4 - 30.2)	11.9	(9.3 - 15.2)
$20,000 - $34,999	24.0	(20.8 - 27.4)	11.3	(9.0 - 14.0)
$35,000 - $49,999	23.9	(20.3 - 27.8)	7.9	(5.8 - 10.6)
$50,000 - $74,999	22.9	(19.7 - 26.4)	8.9	(6.8 - 11.4)
$75,000 +	21.6	(18.8 - 24.6)	7.8	(6.1 - 9.9)

[a] The proportion who reported 'Yes' to the following question: "Things like dust, mold, smoke, and chemicals inside the home or office can cause poor indoor air quality. In the past 12 months have you had an illness or symptom that you think was caused by something in the air inside a home, office, or other building?"

[b] The proportion who reported 'Yes' to the following question: "Things like smog, automobile exhaust, and chemicals can cause outdoor air pollution. In the past 12 months have you had an illness or symptom that you think was caused by pollution in the air outdoors?"