

**Prevalence Estimates for Risk Factors and Health Indicators
by Race-Ethnicity**

State of Michigan

Selected Tables

Michigan Behavioral Risk Factor Survey

2012

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Surveillance and Program Evaluation Section
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Bureau of Disease Control, Prevention, and 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 Division of Behavioral Surveillance (DBS) of the Centers for Disease Control and Prevention (CDC), 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 the DBS at the CDC.

In 2012, the total sample size of completed interviews for the core survey was 10,499 (land line = 8,414; cell phone = 2,085) which consisted of 7,932 White, non-Hispanics, 1,695 Black, non-Hispanics, 521 Other/Multiracial, non-Hispanics, and 215 Hispanics. Race/ethnicity was not available for 136 respondents, thus these individuals were excluded from this analysis. Due to relatively small racial-ethnic subgroup sample sizes we were required to combine demographic groups in this analysis. Estimates are reported for subgroups with a sample size of at least 50 respondents. Some of the estimates for these racial-ethnic subgroups are relatively imprecise (i.e., have large confidence intervals) and should be used with caution. Furthermore, only comparisons between estimates with non-overlapping 95% confidence intervals should be considered significantly different.

For the 2012 Michigan BRFS, the sample of land line telephone numbers that were utilized for data collection was selected using a list-assisted, random-digit-dialed methodology with a disproportionate stratification based on phone bank density, and whether or not the phone numbers were directory listed. In addition, census tracts with a high population density of African Americans were oversampled within the land line portion of the survey. The sample of cell phone numbers used within the 2012 Michigan BRFS data collection process was randomly selected from dedicated cellular telephone banks sorted on the basis of area code and exchange within the State of Michigan.

Iterative proportional fitting or raking was the weighting methodology used to make the 2012 Michigan BRFS data representative of the current Michigan adult population. Estimates based on this methodology were weighted to adjust for the probabilities of selection and a raking adjustment factor that adjusted for the distribution of Michigan adults by telephone source (land line vs. cell phone), detailed race/ethnicity, education level, marital status, age by gender, gender by race/ethnicity, age by race/ethnicity, and renter/owner status.

State-specific, population-based prevalence estimates and asymmetric confidence intervals were calculated for indicators of health status, health risk behaviors, clinical preventive practices, and chronic conditions among the adult population in Michigan. Respondents who refused to answer a question were removed from the denominator during the analysis of such questions. Those who responded "Don't Know/Not Sure" were also excluded from the denominator unless indicated otherwise. All analyses were performed in SAS-Callable SUDAAN®, a statistical computing program that was designed for complex sample surveys.

Due to the BRFS methodology changes that took place in 2011, the estimates provided within the following tables should only be compared to Michigan BRFS estimates from 2011 and not to Michigan BRFS estimates from years prior to 2011.

If you have any questions regarding any of the estimates within the following tables, please contact Chris Fussman at MDCH, by phone, (517) 335-8144, or by email, MIBRFSS@michigan.gov.

**Table 1: Fair or Poor General Health^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	17.1	(16.1-18.1)	15.1	(14.1-16.2)	26.0	(22.5-29.9)	18.2	(14.0-23.3)	24.2	(16.7-33.8)
Age										
18 - 49	13.6	(12.1-15.2)	11.7	(10.2-13.3)	20.2	(15.8-25.5)	12.2	(7.7-18.7)	22.6	(13.7-35.1)
50 +	21.0	(19.7-22.3)	18.6	(17.3-19.9)	34.6	(29.3-40.3)	28.9	(21.7-37.4)	29.0	(18.2-42.8)
Gender										
Male	16.8	(15.3-18.4)	15.4	(13.9-17.0)	22.4	(16.8-29.2)	16.8	(11.5-23.9)	25.6	(14.9-40.4)
Female	17.3	(16.1-18.7)	14.9	(13.6-16.3)	29.1	(24.9-33.7)	19.7	(13.7-27.6)	23.0	(13.6-36.1)
Education										
High school graduate or less	25.3	(23.3-27.3)	22.7	(20.8-24.8)	34.3	(28.2-40.9)	24.4	(16.8-34.1)	36.8	(24.8-50.8)
Some college or more	10.9	(10.0-11.9)	9.7	(8.8-10.7)	18.3	(15.0-22.2)	14.2	(9.8-20.2)	7.8	(4.1-14.5)
Household Income										
< \$35,000	27.2	(25.2-29.3)	25.5	(23.4-27.8)	31.7	(26.6-37.3)	25.4	(18.0-34.5)	35.5	(23.4-49.9)
\$35,000 +	9.6	(8.6-10.8)	8.9	(7.8-10.0)	15.6	(11.3-21.1)	10.4	(6.1-16.9)	13.5	(5.6-28.9)

^a The proportion who reported that their health, in general, was either fair or poor.

^b Michigan estimates include all racial groups.

**Table 2: Poor Physical Health on at Least 14 Days in the Past Month^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	13.5	(12.6-14.4)	12.8	(11.9-13.8)	15.6	(12.9-18.6)	14.9	(11.1-19.7)	16.0	(9.7-25.1)
Age										
18 - 49	10.0	(8.7-11.4)	9.9	(8.5-11.4)	8.4	(5.9-12.0)	10.0	(5.9-16.3)	15.5	(8.1-27.6)
50 +	17.3	(16.1-18.6)	15.8	(14.6-17.1)	26.4	(21.6-31.8)	23.7	(17.0-32.0)	17.6	(9.8-29.4)
Gender										
Male	12.8	(11.5-14.2)	12.8	(11.4-14.4)	13.6	(9.6-19.0)	12.0	(7.8-17.9)	9.1	(4.5-17.6)
Female	14.1	(12.9-15.4)	12.8	(11.7-14.1)	17.2	(14.0-21.0)	18.2	(12.1-26.3)	22.2	(12.0-37.2)
Education										
High school graduate or less	17.5	(15.9-19.3)	16.8	(15.1-18.7)	18.4	(14.0-23.8)	19.5	(12.8-28.4)	23.9	(13.7-38.2)
Some college or more	10.3	(9.4-11.3)	10.0	(9.0-11.1)	12.9	(10.0-16.6)	11.9	(7.8-17.9)	5.5	(2.5-11.7)
Household Income										
< \$35,000	20.1	(18.4-22.0)	21.2	(19.2-23.4)	17.0	(13.4-21.2)	18.1	(12.3-25.8)	19.6	(10.3-34.0)
\$35,000 +	8.0	(7.1-9.0)	7.6	(6.7-8.6)	12.4	(8.5-17.8)	8.2	(4.8-13.7)	5.5	(2.6-11.5)

^a The proportion who reported 14 or more days of physical health that was not good, which includes physical illness and injury, during the past 30 days.

^b Michigan estimates include all racial groups.

**Table 3: Poor Mental Health on at Least 14 Days in the Past Month^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	13.0	(12.1-14.0)	12.0	(11.0-13.0)	14.9	(12.2-17.9)	19.3	(14.5-25.1)	22.6	(15.3-32.1)
Age										
18 - 49	15.3	(13.8-17.0)	14.0	(12.4-15.8)	15.6	(11.9-20.2)	21.7	(15.1-30.2)	25.5	(16.4-37.4)
50 +	10.6	(9.7-11.7)	10.0	(9.0-11.1)	13.7	(10.5-17.7)	14.9	(10.2-21.1)	13.3	(6.7-24.9)
Gender										
Male	9.9	(8.7-11.2)	9.2	(8.0-10.7)	10.6	(7.2-15.6)	13.6	(8.4-21.4)	16.5	(8.4-30.0)
Female	16.0	(14.7-17.5)	14.7	(13.2-16.2)	18.4	(14.9-22.6)	25.6	(18.2-34.9)	28.0	(17.4-42.0)
Education										
High school graduate or less	16.9	(15.1-18.8)	15.4	(13.6-17.4)	16.7	(12.5-22.0)	30.1	(20.8-41.3)	28.7	(17.6-43.1)
Some college or more	10.3	(9.4-11.4)	9.6	(8.6-10.7)	13.2	(10.2-16.9)	12.3	(7.9-18.5)	14.5	(8.0-24.8)
Household Income										
< \$35,000	19.7	(17.9-21.6)	19.4	(17.4-21.7)	17.2	(13.7-21.5)	24.4	(17.1-33.4)	28.3	(17.7-41.9)
\$35,000 +	8.0	(7.0-9.2)	7.3	(6.3-8.5)	12.7	(8.5-18.6)	10.5	(5.7-18.6)	11.0	(4.0-26.9)

^a The proportion who reported 14 or more days of mental health that was not good, which includes stress, depression, and problems with emotions, during the past 30 days.

^b Michigan estimates include all racial groups.

**Table 4: Activity Limitation on at Least 14 Days in the Past Month^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	9.0	(8.3-9.8)	8.4	(7.6-9.3)	11.3	(9.1-13.8)	11.3	(8.2-15.5)	11.1	(6.3-18.8)
Age										
18 - 49	7.8	(6.7-9.0)	7.6	(6.3-9.0)	7.8	(5.4-11.0)	8.2	(4.9-13.4)	10.5	(5.0-20.8)
50 +	10.4	(9.5-11.5)	9.3	(8.3-10.4)	16.5	(12.9-20.9)	16.9	(11.2-24.8)	13.0	(6.5-24.3)
Gender										
Male	8.3	(7.2-9.5)	8.1	(6.9-9.4)	8.4	(5.4-12.7)	9.9	(6.0-15.9)	10.3	(3.9-24.3)
Female	9.8	(8.8-10.9)	8.7	(7.7-9.9)	13.7	(11.0-17.1)	13.0	(8.3-19.6)	11.8	(6.0-22.1)
Education										
High school graduate or less	12.5	(11.1-14.1)	12.0	(10.4-13.7)	13.3	(9.8-17.9)	18.2	(11.6-27.4)	14.4	(7.0-27.4)
Some college or more	6.4	(5.7-7.2)	5.9	(5.2-6.8)	9.4	(7.1-12.3)	6.9	(4.4-10.6)	6.8	(3.1-14.2)
Household Income										
< \$35,000	15.1	(13.5-16.7)	15.5	(13.7-17.5)	13.4	(10.5-17.0)	18.5	(12.2-26.9)	11.8	(5.7-22.8)
\$35,000 +	4.7	(4.0-5.6)	4.3	(3.6-5.2)	7.2	(4.5-11.4)	4.2	(2.2-8.0)	10.1	(3.4-26.4)

^a 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.

^b Michigan estimates include all racial groups

2012 Michigan BRFSS Estimates by Race-Ethnicity
June 25, 2013

**Table 5: Disability^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	24.6	(23.5-25.7)	24.1	(23.0-25.3)	28.1	(24.6-31.9)	26.9	(21.6-32.9)	19.8	(13.5-27.9)
Age										
18 - 49	16.6	(15.1-18.3)	15.8	(14.1-17.6)	19.9	(15.6-25.1)	18.3	(11.9-26.9)	17.2	(10.0-27.8)
50 +	33.6	(32.1-35.0)	32.5	(31.0-34.0)	40.3	(35.0-45.8)	42.1	(34.1-50.6)	27.7	(18.0-40.1)
Gender										
Male	23.2	(21.6-24.9)	23.3	(21.5-25.1)	25.5	(19.9-32.0)	22.7	(16.0-31.3)	12.4	(7.1-20.9)
Female	25.9	(24.5-27.4)	24.9	(23.4-26.5)	30.3	(26.1-34.9)	31.6	(23.9-40.4)	26.3	(16.4-39.4)
Education										
High school graduate or less	29.6	(27.6-31.7)	28.4	(26.3-30.6)	34.2	(28.2-40.6)	43.5	(33.0-54.7)	23.6	(14.4-36.2)
Some college or more	20.9	(19.7-22.1)	21.1	(19.8-22.5)	22.5	(18.8-26.7)	16.0	(12.1-20.7)	14.6	(8.3-24.2)
Household Income										
< \$35,000	34.8	(32.7-37.0)	35.4	(33.0-37.8)	33.5	(28.4-39.0)	39.1	(29.9-49.2)	28.4	(17.7-42.1)
\$35,000 +	16.9	(15.7-18.2)	16.9	(15.7-18.3)	19.3	(14.6-25.0)	13.6	(8.3-21.3)	13.1	(6.8-23.6)

^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 Michigan estimates include all racial groups.

2012 Michigan BRFSS Estimates by Race-Ethnicity
June 25, 2013

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	31.1	(29.8-32.3)	29.9	(28.6-31.2)	37.8	(33.9-41.9)	27.6	(22.4-33.5)	37.0	(28.6-46.2)
Age										
18 - 49	29.7	(27.7-31.7)	28.1	(26.0-30.4)	35.4	(30.1-41.2)	23.3	(16.8-31.3)	40.6	(30.1-52.0)
50 +	32.7	(31.3-34.2)	31.6	(30.1-33.2)	41.2	(36.0-46.6)	34.9	(27.1-43.5)	26.2	(16.5-38.9)
Gender										
Male	31.5	(29.6-33.4)	31.8	(29.7-33.9)	29.3	(23.5-35.7)	24.3	(17.7-32.4)	42.0	(29.5-55.5)
Female	30.6	(29.1-32.3)	28.0	(26.3-29.7)	45.6	(40.8-50.6)	31.6	(23.9-40.4)	32.3	(22.2-44.4)
Education										
High school graduate or less	33.0	(30.9-35.2)	32.1	(29.9-34.5)	37.0	(30.9-43.6)	28.3	(19.9-38.5)	38.0	(26.1-51.4)
Some college or more	29.7	(28.2-31.2)	28.3	(26.7-29.9)	38.5	(33.8-43.4)	27.1	(20.8-34.5)	35.6	(25.1-47.8)
Household Income										
< \$35,000	34.3	(32.2-36.5)	31.8	(29.5-34.2)	42.1	(36.7-47.8)	29.1	(21.4-38.2)	43.9	(31.3-57.3)
\$35,000 +	29.9	(28.3-31.7)	29.4	(27.7-31.2)	36.1	(29.9-42.7)	22.8	(16.3-30.9)	35.6	(23.4-50.1)

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 Michigan estimates include all racial groups.

**Table 7: No Health Care Coverage among Adults Aged 18 - 64 Years^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	16.6	(15.4-17.8)	15.1	(13.8-16.4)	24.3	(20.5-28.6)	13.8	(9.9-18.8)	18.4	(12.1-27.2)
Age										
18 - 49	18.5	(16.9-20.3)	16.9	(15.1-18.8)	27.1	(22.3-32.5)	15.9	(10.9-22.7)	19.9	(12.4-30.2)
50 - 64	12.4	(10.9-14.0)	11.7	(10.2-13.4)	17.7	(12.4-24.5)	8.5	(4.9-14.4)	12.3	(4.9-27.6)
Gender										
Male	18.9	(17.0-20.9)	16.5	(14.5-18.7)	33.3	(26.6-40.6)	13.6	(8.3-21.5)	21.8	(12.9-34.5)
Female	14.2	(12.8-15.8)	13.5	(11.9-15.2)	16.2	(12.6-20.6)	13.8	(9.0-20.6)	15.5	(7.7-28.9)
Education										
High school graduate or less	21.9	(19.6-24.3)	20.6	(18.2-23.3)	28.2	(21.9-35.3)	18.3	(11.0-28.7)	22.9	(13.1-36.9)
Some college or more	12.7	(11.4-14.0)	11.5	(10.1-13.0)	20.7	(16.4-25.7)	10.8	(7.1-16.0)	13.0	(7.0-22.7)
Household Income										
< \$35,000	30.1	(27.6-32.8)	30.3	(27.2-33.5)	31.9	(26.3-38.0)	21.9	(14.9-30.9)	29.9	(18.6-44.3)
\$35,000 +	7.1	(5.9-8.3)	6.3	(5.2-7.6)	14.5	(9.5-21.5)	4.7	(2.3-9.4)	8.3	(2.9-21.3)

^a Among those aged 18-64 years, the proportion who reported having no health care coverage, including health insurance, prepaid plans such as HMOs, or government plans, such as Medicare or Indian Health Services.

^b Michigan estimates include all racial groups

2012 Michigan BRFSS Estimates by Race-Ethnicity
June 25, 2013

**Table 8: No Personal Health Care Provider^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	15.8	(14.8-16.9)	14.5	(13.4-15.7)	22.1	(18.7-26.0)	17.5	(13.2-22.7)	17.8	(11.8-26.0)
Age										
18 - 49	23.3	(21.5-25.2)	21.7	(19.7-23.8)	31.9	(26.7-37.7)	22.3	(16.3-29.8)	22.0	(14.3-32.4)
50 +	7.4	(6.6-8.4)	7.4	(6.5-8.5)	7.6	(5.0-11.3)	8.9	(4.9-15.7)	4.9	(1.6-13.6)
Gender										
Male	21.3	(19.5-23.2)	19.6	(17.7-21.6)	31.4	(25.3-38.3)	22.3	(15.6-30.9)	23.3	(13.4-37.4)
Female	10.7	(9.6-11.9)	9.8	(8.6-11.1)	14.2	(10.9-18.3)	12.1	(8.0-17.9)	12.9	(7.3-21.9)
Education										
High school graduate or less	16.9	(15.1-18.8)	15.4	(13.5-17.5)	23.9	(18.5-30.4)	14.7	(8.3-24.9)	19.6	(11.2-31.9)
Some college or more	15.0	(13.8-16.3)	13.9	(12.6-15.4)	20.4	(16.4-25.0)	19.2	(14.1-25.6)	15.4	(8.4-26.6)
Household Income										
< \$35,000	21.9	(20.0-24.1)	19.8	(17.6-22.2)	28.1	(23.2-33.6)	23.0	(16.3-31.4)	27.0	(16.8-40.4)
\$35,000 +	11.2	(10.0-12.5)	10.8	(9.6-12.1)	14.1	(9.4-20.5)	12.9	(7.7-20.7)	11.5	(4.9-24.5)

^a The proportion who reported that they did not have anyone that they thought of as their personal doctor or health care provider.
^b Michigan estimates include all racial groups.

**Table 9: No Health Care Access during Past 12 Months Due to Cost^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	15.1	(14.1-16.1)	13.5	(12.5-14.6)	19.3	(16.3-22.8)	20.5	(15.8-26.1)	26.5	(19.0-35.6)
Age										
18 - 49	18.8	(17.2-20.6)	17.0	(15.3-18.9)	22.4	(18.1-27.3)	23.0	(16.5-31.0)	29.5	(20.2-40.9)
50 +	10.9	(9.9-12.0)	10.0	(8.9-11.1)	14.9	(11.0-19.8)	16.0	(11.0-22.7)	17.3	(9.5-29.2)
Gender										
Male	14.5	(13.0-16.1)	13.1	(11.5-14.8)	18.2	(13.5-24.1)	19.2	(12.6-28.2)	27.3	(16.8-41.2)
Female	15.6	(14.4-17.0)	13.9	(12.6-15.4)	20.3	(16.6-24.5)	21.9	(16.0-29.2)	25.8	(16.2-38.5)
Education										
High school graduate or less	17.8	(16.0-19.7)	16.1	(14.2-18.0)	19.8	(15.2-25.3)	28.0	(19.5-38.5)	29.2	(18.4-43.1)
Some college or more	13.1	(11.9-14.3)	11.7	(10.5-13.0)	18.9	(15.1-23.4)	15.6	(10.6-22.2)	22.8	(14.7-33.7)
Household Income										
< \$35,000	26.0	(24.0-28.1)	24.7	(22.5-27.1)	25.5	(20.9-30.8)	33.8	(25.2-43.6)	37.6	(25.8-51.1)
\$35,000 +	7.4	(6.4-8.5)	6.7	(5.7-7.9)	10.9	(7.3-16.0)	6.3	(3.4-11.1)	16.3	(8.6-28.7)

^a 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 Michigan estimates include all racial groups.

**Table 10: No Leisure-Time Physical Activity^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	23.3	(22.2-24.5)	21.2	(20.1-22.5)	33.8	(30.0-37.9)	21.4	(17.1-26.4)	29.5	(21.9-38.4)
Age										
18 - 49	19.8	(18.1-21.6)	17.2	(15.4-19.1)	30.6	(25.4-36.4)	17.8	(12.7-24.5)	26.6	(17.7-37.8)
50 +	27.2	(25.8-28.6)	25.3	(23.9-26.8)	38.6	(33.3-44.2)	27.7	(21.0-35.6)	38.2	(26.3-51.8)
Gender										
Male	21.5	(19.7-23.3)	20.0	(18.2-21.8)	31.1	(24.8-38.2)	16.2	(11.1-23.1)	26.0	(15.4-40.4)
Female	25.1	(23.6-26.6)	22.5	(20.9-24.1)	36.2	(31.7-40.9)	27.1	(20.6-34.8)	32.6	(22.6-44.5)
Education										
High school graduate or less	31.6	(29.5-33.7)	29.7	(27.5-32.0)	42.9	(36.5-49.6)	26.7	(19.0-36.1)	29.5	(18.9-42.9)
Some college or more	17.1	(15.9-18.3)	15.3	(14.1-16.6)	25.3	(21.4-29.6)	17.9	(13.2-23.8)	29.4	(20.1-40.9)
Household Income										
< \$35,000	32.5	(30.3-34.7)	31.3	(28.9-33.7)	38.7	(33.2-44.5)	25.3	(18.3-33.9)	31.7	(20.8-45.1)
\$35,000 +	15.7	(14.4-17.0)	14.3	(13.1-15.7)	24.4	(19.3-30.4)	17.2	(11.8-24.2)	24.9	(14.6-39.2)

^a The proportion who reported not participating in any leisure-time physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise in the past month.

^b Michigan estimates include all racial groups.

**Table 11: Current Smoking^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	23.3	(22.1-24.6)	22.4	(21.1-23.8)	26.6	(22.9-30.8)	28.4	(22.8-34.7)	27.7	(19.8-37.2)
Age										
18 - 49	28.9	(26.9-30.9)	29.0	(26.8-31.3)	27.2	(22.1-33.0)	32.0	(24.5-40.7)	29.0	(19.4-41.0)
50 +	17.3	(16.0-18.7)	15.8	(14.5-17.2)	25.8	(20.6-31.7)	22.0	(15.2-30.8)	23.4	(13.5-37.3)
Gender										
Male	23.8	(22.0-25.8)	23.0	(21.0-25.1)	27.6	(21.5-34.8)	27.5	(20.1-36.2)	24.7	(14.8-38.3)
Female	22.8	(21.3-24.5)	21.8	(20.1-23.6)	25.8	(21.5-30.6)	29.5	(21.5-38.9)	30.3	(19.3-44.2)
Education										
High school graduate or less	32.1	(29.9-34.4)	30.6	(28.2-33.1)	35.6	(29.2-42.5)	38.8	(29.0-49.6)	38.8	(26.7-52.5)
Some college or more	17.0	(15.7-18.3)	16.7	(15.3-18.2)	18.5	(14.9-22.7)	21.7	(15.4-29.6)	12.5	(6.7-22.1)
Household Income										
< \$35,000	32.8	(30.5-35.1)	32.3	(29.7-34.9)	31.6	(26.3-37.5)	40.7	(31.3-50.8)	36.3	(24.2-50.3)
\$35,000 +	15.9	(14.5-17.4)	16.1	(14.6-17.7)	18.2	(13.4-24.4)	13.8	(9.0-20.8)	6.5	(2.6-15.1)

^a The proportion who reported that they had ever smoked at least 100 cigarettes (5 packs) in their life and that they smoke cigarettes now, either every day or on some days.
^b Michigan estimates include all racial groups.

**Table 12: Heavy Drinking^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	6.1	(5.4-6.8)	6.3	(5.6-7.1)	3.7	(2.5-5.4)	5.3	(3.4-8.0)	10.3	(5.4-18.5)
Age										
18 - 49	7.0	(5.9-8.2)	7.2	(5.9-8.6)	4.5	(2.7-7.3)	5.5	(3.2-9.5)	12.0	(5.9-22.9)
50 +	5.0	(4.4-5.7)	5.4	(4.7-6.1)	2.5	(1.4-4.3)	4.9	(2.5-9.2)	4.9	(1.8-12.8)
Gender										
Male	6.5	(5.5-7.6)	7.2	(6.0-8.5)	2.1	(1.0-4.4)	4.3	(2.4-7.8)	8.3	(3.7-17.5)
Female	5.7	(4.9-6.6)	5.4	(4.6-6.4)	5.0	(3.2-7.9)	6.4	(3.5-11.3)	12.1	(4.9-26.9)
Education										
High school graduate or less	6.5	(5.4-7.8)	6.6	(5.4-8.1)	4.2	(2.3-7.5)	3.2	(1.4-7.6)	13.7	(6.3-27.3)
Some college or more	5.7	(5.0-6.5)	6.0	(5.2-7.0)	3.2	(2.0-5.2)	6.6	(4.0-10.6)	5.7	(2.2-14.0)
Household Income										
< \$35,000	6.0	(4.8-7.4)	5.5	(4.3-7.1)	5.5	(3.5-8.7)	6.7	(3.7-11.9)	13.0	(5.3-28.8)
\$35,000 +	6.6	(5.8-7.5)	7.2	(6.3-8.3)	2.1	(1.1-3.8)	4.5	(2.3-8.6)	4.4	(1.9-9.6)

^a The proportion who reported consuming on average more than two alcoholic beverages per day for men or more than one per day for women in the previous month.
^b Michigan estimates include all racial groups.

**Table 13: Binge Drinking^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	19.2	(18.1-20.3)	19.3	(18.2-20.6)	15.3	(12.2-19.1)	20.8	(15.8-27.0)	27.5	(19.9-36.7)
Age										
18 - 49	25.7	(23.8-27.6)	27.1	(25.0-29.3)	17.4	(13.1-22.9)	26.7	(19.5-35.4)	27.9	(18.9-39.2)
50 +	12.0	(10.9-13.1)	11.6	(10.6-12.8)	12.3	(8.4-17.6)	10.6	(6.1-17.8)	26.2	(14.7-42.1)
Gender										
Male	24.7	(22.9-26.6)	25.4	(23.4-27.4)	17.5	(12.2-24.5)	26.7	(18.7-36.5)	34.6	(23.2-48.1)
Female	14.0	(12.8-15.4)	13.7	(12.3-15.1)	13.5	(10.2-17.6)	14.2	(9.4-20.9)	21.2	(12.0-34.7)
Education										
High school graduate or less	18.8	(17.0-20.9)	17.8	(15.8-19.9)	19.9	(14.4-26.9)	21.4	(12.9-33.3)	29.6	(18.8-43.3)
Some college or more	19.5	(18.1-20.9)	20.5	(19.0-22.0)	11.2	(8.4-14.6)	20.5	(14.7-27.8)	24.8	(15.7-36.9)
Household Income										
< \$35,000	18.3	(16.4-20.4)	17.9	(15.8-20.3)	17.2	(12.9-22.7)	20.1	(12.5-30.7)	25.9	(15.4-40.2)
\$35,000 +	21.3	(19.8-22.9)	21.7	(20.1-23.4)	14.0	(9.6-20.1)	24.4	(17.1-33.6)	27.4	(16.9-41.1)

^a The proportion who reported consuming five or more drinks per occasion at least once in the previous month.

^b Michigan estimates include all racial groups.

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	1.9	(1.6-2.3)	2.1	(1.7-2.6)	0.7	(0.3-1.6)	2.7	(1.2-5.6)	1.1	(0.3-3.7)
Age										
18 - 49	2.3	(1.8-3.0)	2.6	(1.9-3.5)	0.6	(0.2-2.1)	4.1	(1.9-8.7)	0.9	(0.2-4.4)
50 +	1.5	(1.1-1.9)	1.6	(1.2-2.1)	0.8	(0.3-2.6)	0.1	(0.0-0.8)	1.6	(0.2-10.4)
Gender										
Male	3.0	(2.4-3.8)	3.4	(2.6-4.3)	0.5	(0.1-2.5)	4.5	(2.0-9.9)	2.0	(0.5-7.9)
Female	0.8	(0.6-1.2)	0.9	(0.6-1.3)	0.9	(0.3-2.4)	0.5	(0.1-2.4)	0.3	(0.0-1.9)
Education										
High school graduate or less	1.9	(1.4-2.6)	2.1	(1.5-3.0)	1.0	(0.4-3.0)	2.5	(0.8-7.6)	0.6	(0.1-4.3)
Some college or more	1.9	(1.5-2.4)	2.1	(1.6-2.7)	0.4	(0.1-1.5)	2.8	(1.0-7.3)	1.6	(0.3-7.9)
Household Income										
< \$35,000	1.7	(1.2-2.4)	1.9	(1.3-2.9)	0.6	(0.2-2.0)	3.1	(1.1-8.0)	1.2	(0.2-8.0)
\$35,000 +	2.3	(1.8-2.9)	2.5	(1.9-3.1)	1.1	(0.3-3.8)	3.0	(0.9-9.2)	1.3	(0.3-5.6)

^a The proportion who reported that they had driven when they'd had too much to drink at least once in the previous month.
^b Michigan estimates include all racial groups.

**Table 15: Seatbelt Use^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	88.4	(87.4-89.3)	88.9	(87.9-89.9)	85.6	(82.1-88.6)	85.4	(80.1-89.5)	89.2	(81.7-93.9)
Age										
18 - 49	85.8	(84.2-87.3)	86.6	(84.8-88.2)	82.0	(76.7-86.4)	83.0	(75.1-88.7)	88.1	(78.4-93.8)
50 +	91.2	(90.2-92.0)	91.2	(90.2-92.1)	90.9	(86.8-93.8)	89.5	(83.3-93.6)	92.7	(83.7-96.9)
Gender										
Male	83.8	(82.2-85.4)	85.1	(83.4-86.6)	78.7	(72.1-84.1)	77.7	(68.8-84.6)	81.2	(67.3-90.1)
Female	92.6	(91.6-93.5)	92.6	(91.4-93.6)	91.6	(88.4-93.9)	94.1	(90.0-96.6)	96.2	(90.8-98.5)
Education										
High school graduate or less	87.2	(85.5-88.7)	88.0	(86.2-89.5)	85.3	(79.4-89.7)	79.4	(69.6-86.6)	86.9	(74.6-93.7)
Some college or more	89.2	(88.1-90.3)	89.6	(88.4-90.7)	85.9	(81.4-89.5)	89.1	(82.3-93.5)	92.4	(84.6-96.5)
Household Income										
< \$35,000	87.0	(85.3-88.6)	88.3	(86.4-89.9)	83.7	(78.5-87.8)	81.3	(72.0-88.0)	88.8	(79.7-94.2)
\$35,000 +	89.6	(88.4-90.8)	89.7	(88.4-90.8)	89.7	(84.0-93.6)	88.3	(80.2-93.3)	89.4	(72.8-96.4)

^a The proportion who reported always using a seatbelt when driving or riding in a car.
^b Michigan estimates include all racial groups.

Table 16: No Routine Checkup in Past Year^a by Race-Ethnicity
2012 Michigan BRFSS

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	33.5	(32.2-34.8)	34.4	(33.0-35.9)	27.0	(23.4-30.8)	40.0	(34.0-46.4)	32.8	(25.2-41.4)
Age										
18 - 49	42.7	(40.7-44.9)	45.0	(42.6-47.4)	33.4	(28.2-39.0)	48.3	(40.0-56.7)	34.2	(25.0-44.8)
50 +	23.4	(22.0-24.7)	24.0	(22.5-25.4)	17.4	(13.3-22.3)	25.8	(18.8-34.3)	28.4	(17.2-43.0)
Gender										
Male	39.0	(37.0-41.1)	39.6	(37.4-41.8)	32.7	(26.5-39.4)	50.1	(41.3-59.0)	39.7	(28.1-52.7)
Female	28.3	(26.7-29.9)	29.5	(27.8-31.3)	22.1	(18.3-26.5)	28.8	(21.9-36.7)	26.7	(17.6-38.3)
Education										
High school graduate or less	34.1	(31.9-36.4)	34.9	(32.5-37.4)	29.3	(23.6-35.8)	38.4	(28.4-49.6)	33.5	(22.7-46.4)
Some college or more	33.2	(31.7-34.8)	34.1	(32.4-35.8)	24.7	(20.7-29.3)	41.1	(33.9-48.7)	31.9	(22.6-42.9)
Household Income										
< \$35,000	37.3	(35.1-39.6)	38.9	(36.3-41.5)	29.0	(24.2-34.3)	44.6	(35.0-54.6)	41.3	(29.5-54.2)
\$35,000 +	30.9	(29.2-32.6)	31.5	(29.7-33.4)	24.5	(18.8-31.3)	37.5	(29.4-46.5)	24.9	(15.5-37.5)

^a The proportion who reported that they did not have a routine checkup in the past year.
^b Michigan estimates include all racial groups.

**Table 17: Had Mammogram in Past Two Years among Women Aged 40 and Older^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	76.6	(75.0-78.1)	76.2	(74.5-77.9)	77.9	(73.0-82.1)	75.5	(67.1-82.3)	83.9	(72.5-91.2)
Education										
High school graduate or less	73.3	(70.6-75.9)	72.8	(69.8-75.6)	72.1	(63.0-79.6)	80.9	(68.2-89.3)	---	^c
Some college or more	79.1	(77.2-80.9)	78.8	(76.7-80.8)	82.0	(76.4-86.5)	70.8	(59.4-80.1)	---	^c
Household Income										
< \$35,000	70.2	(67.3-73.0)	68.5	(65.1-71.6)	75.6	(68.4-81.5)	72.4	(59.3-82.6)	---	^c
\$35,000 +	81.5	(79.5-83.5)	81.0	(78.7-83.1)	85.8	(78.9-90.7)	80.1	(66.7-89.0)	---	^c

^a Among women aged 40 years and older, the proportion who had a mammogram in the past two years.

^b Michigan estimates include all racial groups.

^c Denominator cell size < 50.

**Table 18: Had Clinical Breast Exam and Mammogram in Past Year among Women Aged 40 and Older^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	50.4	(48.6-52.2)	50.3	(48.3-52.2)	48.4	(43.0-53.8)	49.2	(39.2-59.2)	64.4	(50.1-76.5)
Education										
High school graduate or less	44.5	(41.6-47.5)	44.4	(41.3-47.6)	37.8	(29.6-46.7)	52.9	(36.2-68.9)	---	^c
Some college or more	54.7	(52.4-56.9)	54.6	(52.2-57.0)	55.8	(49.3-62.0)	45.9	(34.3-57.9)	---	^c
Household Income										
< \$35,000	41.1	(38.1-44.1)	40.1	(36.9-43.5)	43.2	(35.8-50.9)	41.9	(27.6-57.7)	---	^c
\$35,000 +	58.8	(56.3-61.3)	58.0	(55.3-60.7)	62.9	(54.2-70.8)	57.3	(42.6-70.9)	---	^c

^a Among women aged 40 years and older, the proportion who had both a clinical breast exam and mammogram in the previous year.

^b Michigan estimates include all racial groups.

^c Denominator cell size < 50.

**Table 19: Had Appropriately Timed Pap Test among Women Aged 18 and Older^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	79.4	(77.6-81.1)	78.9	(76.9-80.8)	84.5	(79.7-88.3)	74.6	(64.3-82.7)	77.3	(62.8-87.3)
Age										
18 - 49	80.8	(78.1-83.2)	80.8	(77.7-83.6)	85.2	(78.7-90.0)	73.2	(59.3-83.7)	76.0	(59.8-87.1)
50 +	77.3	(75.2-79.2)	76.4	(74.1-78.6)	82.8	(76.3-87.8)	77.7	(65.4-86.6)	---	^c
Education										
High school graduate or less	73.5	(70.0-76.6)	71.8	(68.0-75.3)	81.6	(72.4-88.2)	77.2	(61.3-87.9)	---	^c
Some college or more	83.2	(81.1-85.0)	83.1	(80.9-85.2)	86.7	(81.2-90.8)	73.1	(59.5-83.5)	82.5	(63.8-92.7)
Household Income										
< \$35,000	74.1	(71.0-77.0)	70.1	(66.2-73.7)	83.8	(77.3-88.7)	73.7	(58.4-84.8)	---	^c
\$35,000 +	85.5	(83.2-87.5)	85.4	(82.9-87.5)	90.6	(82.7-95.1)	85.2	(73.4-92.3)	---	^c

^a Among women aged 18 years and older, the proportion who had a Pap test within the previous three years.

^b Michigan estimates include all racial groups.

^c Denominator cell size < 50.

**Table 20: Had Prostate Specific Antigen (PSA) Test in Past Year among Men Aged 50 and Older^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	46.9	(44.4-49.5)	49.0	(46.4-51.7)	40.4	(31.0-50.6)	28.0	(18.6-39.8)	--- ^c	
Education										
High school graduate or less	42.5	(38.3-46.9)	46.4	(41.9-51.0)	32.2	(20.3-46.9)		--- ^c		--- ^c
Some college or more	50.6	(47.6-53.6)	51.0	(47.8-54.1)	53.0	(40.9-64.8)		--- ^c		--- ^c
Household Income										
< \$35,000	38.0	(33.7-42.5)	40.2	(35.5-45.1)	35.4	(23.2-49.8)		--- ^c		--- ^c
\$35,000 +	51.7	(48.4-54.9)	53.4	(50.1-56.7)	40.5	(27.5-54.9)	37.8	(22.6-55.9)		--- ^c

^a Men who had been diagnosed with prostate cancer were excluded. Among men aged 50 years and older, the proportion who reported having a PSA test in the past year.

^b Michigan estimates include all racial groups.

^c Denominator cell size < 50.

**Table 21: Had Sigmoidoscopy in Past 5 Years or Colonoscopy in Past 10 Years among Adults Aged 50 and Older^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	67.3	(65.8-68.9)	68.7	(67.1-70.3)	61.1	(55.1-66.9)	58.5	(50.0-66.5)	58.4	(44.1-71.4)
Gender										
Male	65.1	(62.6-67.6)	67.6	(65.0-70.1)	50.9	(40.2-61.5)	55.2	(43.0-66.8)	---	^c
Female	69.3	(67.4-71.1)	69.7	(67.7-71.6)	68.9	(63.1-74.2)	62.0	(50.2-72.5)	---	^c
Education										
High school graduate or less	61.8	(59.1-64.3)	64.6	(61.9-67.3)	47.7	(38.4-57.1)	49.5	(36.3-62.7)	---	^c
Some college or more	71.9	(70.1-73.7)	72.0	(70.0-73.9)	73.7	(67.4-79.1)	67.0	(55.8-76.5)	---	^c
Household Income										
< \$35,000	59.2	(56.5-61.9)	61.2	(58.3-64.1)	53.6	(45.3-61.7)	53.1	(40.4-65.4)	---	^c
\$35,000 +	72.7	(70.6-74.7)	73.2	(71.0-75.2)	69.8	(59.7-78.2)	66.8	(53.9-77.7)	---	^c

^a Among those aged 50 years and older, the proportion who had a sigmoidoscopy within the past five years or a colonoscopy within the past ten years.

^b Michigan estimates include all racial groups.

^c Denominator cell size < 50.

**Table 22: No Dental Visit in Past Year^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	32.0	(30.7-33.3)	29.1	(27.8-30.5)	44.8	(40.7-48.9)	41.9	(35.9-48.2)	36.9	(28.8-45.8)
Age										
18 - 49	34.9	(32.9-37.0)	31.8	(29.6-34.1)	47.1	(41.4-52.9)	43.0	(34.9-51.5)	37.2	(27.3-48.3)
50 +	28.7	(27.3-30.3)	26.4	(24.9-28.0)	41.4	(35.9-47.0)	39.9	(31.9-48.6)	36.0	(24.1-50.0)
Gender										
Male	36.2	(34.2-38.3)	32.8	(30.7-35.0)	49.8	(43.0-56.7)	48.3	(39.6-57.2)	46.3	(33.7-59.4)
Female	28.0	(26.4-29.6)	25.6	(23.9-27.3)	40.5	(35.8-45.4)	34.7	(26.9-43.4)	28.3	(19.1-39.8)
Education										
High school graduate or less	40.7	(38.4-43.0)	37.5	(35.1-39.9)	54.1	(47.5-60.5)	50.3	(39.6-61.0)	42.1	(29.9-55.3)
Some college or more	25.6	(24.2-27.1)	23.2	(21.7-24.8)	36.1	(31.5-41.0)	36.5	(29.6-44.1)	30.3	(20.8-41.9)
Household Income										
< \$35,000	48.5	(46.2-50.8)	46.9	(44.3-49.5)	52.7	(47.1-58.2)	60.5	(51.1-69.2)	43.7	(31.7-56.5)
\$35,000 +	19.9	(18.4-21.5)	18.1	(16.6-19.8)	31.1	(24.8-38.1)	22.8	(16.6-30.4)	32.2	(20.3-47.0)

^a The proportion who reported that they had not visited a dentist or dental clinic for any reason in the previous year.
^b Michigan estimates include all racial groups.

Table 23: Had Flu Vaccine in Past Year among Adults 65 Years and Older^a by Race-Ethnicity
2012 Michigan BRFSS

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	55.4	(53.3-57.5)	57.5	(55.3-59.7)	37.8	(30.9-45.3)	42.2	(30.4-55.0)	--- ^c	
Gender										
Male	53.2	(49.7-56.6)	55.1	(51.5-58.7)	39.1	(25.8-54.3)	--- ^c		--- ^c	
Female	57.1	(54.5-59.6)	59.3	(56.5-62.0)	36.9	(30.3-44.1)	52.9	(35.3-69.7)	--- ^c	
Education										
High school graduate or less	52.5	(49.3-55.7)	55.0	(51.6-58.4)	31.8	(22.0-43.5)	--- ^c		--- ^c	
Some college or more	58.5	(55.8-61.1)	60.1	(57.2-62.8)	46.1	(37.8-54.7)	45.6	(30.9-61.1)	--- ^c	
Household Income										
< \$35,000	51.8	(48.6-55.1)	54.1	(50.6-57.5)	36.4	(27.9-45.8)	--- ^c		--- ^c	
\$35,000 +	58.3	(55.0-61.5)	60.0	(56.5-63.4)	42.4	(31.5-54.1)	--- ^c		--- ^c	

^a The proportion of those aged 65 years and older who reported that they had a flu vaccine, either by an injection in the arm or sprayed in the nose during the past 12 months.

^b Michigan estimates include all racial groups.

^c Denominator cell size < 50.

**Table 24: Ever Had Pneumonia Vaccine among Adults 65 Years and Older^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	66.8	(64.6-68.8)	68.4	(66.2-70.6)	53.6	(45.7-61.4)	62.5	(49.5-73.9)	--- ^c	
Gender										
Male	64.0	(60.5-67.5)	65.2	(61.5-68.7)	56.1	(39.8-71.2)	--- ^c		--- ^c	
Female	68.8	(66.3-71.2)	70.8	(68.1-73.4)	51.9	(44.4-59.2)	70.3	(54.1-82.6)	--- ^c	
Education										
High school graduate or less	64.1	(60.8-67.3)	66.2	(62.8-69.5)	49.1	(37.4-61.0)	--- ^c		--- ^c	
Some college or more	69.6	(67.0-72.1)	70.7	(67.9-73.3)	60.1	(51.8-67.9)	66.4	(50.9-79.0)	--- ^c	
Household Income										
< \$35,000	65.2	(61.9-68.4)	67.2	(63.7-70.6)	51.4	(41.0-61.7)	--- ^c		--- ^c	
\$35,000 +	67.3	(64.1-70.4)	68.2	(64.7-71.4)	57.6	(45.9-68.5)	--- ^c		--- ^c	

^a The proportion of those aged 65 years and older who reported that they ever had a pneumococcal vaccine.

^b Michigan estimates include all racial groups.

^c Denominator cell size < 50.

**Table 25: Ever Had an HIV Test among Adults 18 – 64 Years of Age^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	40.4	(38.9-42.0)	34.6	(32.9-36.3)	65.5	(60.8-69.8)	41.8	(35.5-48.4)	58.8	(49.0-68.0)
Age										
18 - 49	46.1	(44.0-48.3)	40.2	(37.9-42.6)	69.5	(63.6-74.9)	42.2	(34.3-50.6)	64.2	(53.2-73.8)
50 - 64	29.4	(27.3-31.5)	24.5	(22.6-26.6)	56.3	(48.9-63.4)	40.9	(31.1-51.4)	---	^c
Gender										
Male	36.2	(33.9-38.5)	30.7	(28.3-33.2)	63.8	(56.0-71.0)	33.0	(25.2-42.0)	53.3	(39.0-67.0)
Female	44.7	(42.6-46.8)	38.4	(36.2-40.7)	66.9	(61.6-71.8)	51.6	(42.4-60.7)	63.1	(49.9-74.7)
Education										
High school graduate or less	38.1	(35.3-40.9)	30.5	(27.6-33.6)	62.2	(54.5-69.4)	44.4	(33.6-55.7)	57.8	(43.4-70.9)
Some college or more	41.9	(40.1-43.8)	37.0	(35.0-39.0)	68.2	(62.8-73.2)	40.3	(32.7-48.3)	59.6	(47.2-70.9)
Household Income										
< \$35,000	47.0	(44.2-49.9)	38.4	(35.1-41.8)	68.3	(62.0-74.1)	43.3	(33.6-53.6)	65.0	(50.9-77.0)
\$35,000 +	37.6	(35.7-39.7)	33.7	(31.7-35.8)	65.8	(58.4-72.4)	39.4	(30.7-48.8)	55.9	(41.8-69.1)

^a The proportion of those aged 18-64 years who reported that they ever had been tested for HIV, apart from tests that were part of a blood donation.

^b Michigan estimates include all racial groups.

^c Denominator cell size < 50.

**Table 26: Lifetime Asthma Prevalence - Adult^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	15.5	(14.6-16.6)	14.4	(13.4-15.5)	20.6	(17.5-24.0)	18.2	(14.1-23.3)	19.0	(12.6-27.6)
Age										
18 - 49	17.9	(16.3-19.6)	16.6	(14.9-18.5)	22.0	(17.7-27.0)	18.0	(12.8-24.7)	22.6	(14.5-33.6)
50 +	13.0	(12.0-14.1)	12.2	(11.1-13.3)	18.4	(14.6-22.9)	18.7	(12.7-26.8)	7.8	(3.7-15.5)
Gender										
Male	13.4	(12.0-14.9)	12.6	(11.1-14.2)	19.8	(15.0-25.6)	13.6	(9.2-19.7)	9.7	(4.5-19.7)
Female	17.5	(16.2-19.0)	16.2	(14.8-17.7)	21.2	(17.5-25.4)	23.4	(16.8-31.7)	27.4	(17.1-40.8)
Education										
High school graduate or less	17.2	(15.5-19.0)	15.4	(13.6-17.3)	22.2	(17.4-27.9)	25.7	(17.6-35.8)	22.9	(13.3-36.6)
Some college or more	14.4	(13.3-15.6)	13.8	(12.6-15.0)	19.1	(15.5-23.3)	13.4	(9.5-18.6)	13.7	(8.0-22.5)
Household Income										
< \$35,000	18.5	(16.8-20.4)	16.1	(14.2-18.1)	23.1	(18.9-27.9)	27.6	(20.0-36.8)	25.2	(14.9-39.2)
\$35,000 +	12.8	(11.6-14.1)	12.7	(11.4-14.1)	15.3	(11.0-20.9)	9.4	(5.8-14.8)	12.6	(5.9-24.9)

^a The proportion who reported that they were told by a doctor, nurse, or other health care professional that they had asthma.

^b Michigan estimates include all racial groups.

Table 27: Current Asthma Prevalence - Adult^a by Race-Ethnicity
2012 Michigan BRFSS

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	10.5	(9.7-11.4)	9.3	(8.5-10.2)	15.4	(12.7-18.5)	14.4	(10.6-19.2)	14.1	(8.5-22.4)
Age										
18 - 49	11.4	(10.1-12.8)	10.0	(8.6-11.5)	15.6	(11.9-20.2)	13.8	(9.1-20.3)	16.8	(9.7-27.5)
50 +	9.5	(8.6-10.5)	8.6	(7.7-9.6)	15.1	(11.6-19.4)	15.5	(9.9-23.4)	5.6	(2.4-12.6)
Gender										
Male	7.7	(6.6-8.8)	6.9	(5.9-8.2)	12.2	(8.4-17.5)	8.3	(4.9-13.7)	7.0	(2.7-16.9)
Female	13.1	(11.9-14.4)	11.6	(10.3-12.9)	18.0	(14.6-22.1)	21.0	(14.6-29.3)	20.5	(11.5-33.9)
Education										
High school graduate or less	11.9	(10.5-13.6)	9.6	(8.2-11.2)	18.9	(14.4-24.4)	22.5	(14.8-32.6)	18.4	(9.8-31.9)
Some college or more	9.4	(8.6-10.4)	9.1	(8.1-10.1)	12.2	(9.3-15.8)	9.2	(6.0-13.8)	8.3	(4.2-15.7)
Household Income										
< \$35,000	13.4	(11.9-15.0)	11.0	(9.5-12.6)	18.7	(14.9-23.3)	23.6	(16.4-32.8)	16.4	(8.1-30.3)
\$35,000 +	8.2	(7.2-9.3)	8.1	(7.1-9.3)	9.0	(5.8-13.8)	6.0	(3.4-10.4)	10.6	(4.5-23.2)

^a The proportion who reported that they still had asthma.
^b Michigan estimates include all racial groups.

**Table 28: Ever Told Chronic Obstructive Pulmonary Disease (COPD)^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	7.4	(6.8-8.1)	7.0	(6.3-7.7)	9.5	(7.5-12.0)	9.1	(6.5-12.7)	6.9	(3.1-14.6)
Age										
18 - 49	4.7	(3.8-5.7)	4.2	(3.3-5.4)	6.8	(4.5-10.3)	3.3	(1.7-6.3)	6.1	(1.9-17.7)
50 +	10.5	(9.6-11.4)	9.8	(8.9-10.7)	13.4	(10.2-17.4)	19.5	(13.4-27.5)	9.4	(4.6-18.2)
Gender										
Male	6.3	(5.5-7.3)	6.2	(5.3-7.2)	6.2	(3.7-10.2)	8.6	(5.5-13.1)	6.0	(2.0-16.4)
Female	8.5	(7.6-9.5)	7.7	(6.8-8.8)	12.3	(9.5-15.7)	9.8	(5.8-16.1)	7.8	(2.5-21.5)
Education										
High school graduate or less	10.3	(9.0-11.6)	9.5	(8.3-11.0)	12.8	(9.4-17.4)	14.2	(8.6-22.4)	10.5	(4.3-23.5)
Some college or more	5.3	(4.7-5.9)	5.2	(4.5-5.9)	6.3	(4.5-8.9)	5.9	(3.8-8.9)	2.2	(0.8-6.0)
Household Income										
< \$35,000	11.7	(10.4-13.1)	11.4	(10.0-13.0)	12.0	(9.0-15.8)	15.8	(10.4-23.1)	9.7	(3.4-24.8)
\$35,000 +	4.4	(3.7-5.2)	4.2	(3.5-5.1)	6.9	(4.1-11.4)	3.1	(1.6-6.0)	4.5	(1.0-17.6)

^a The proportion who reported ever being told by a doctor that they had chronic obstructive pulmonary disease (COPD), emphysema or chronic bronchitis.

^b Michigan estimates include all racial groups.

**Table 29: Ever Told Arthritis^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	31.8	(30.7-33.0)	33.0	(31.7-34.2)	29.9	(26.6-33.5)	28.3	(23.4-33.9)	16.1	(11.6-22.0)
Age										
18 - 49	14.6	(13.3-16.0)	15.5	(14.0-17.3)	12.6	(9.4-16.7)	15.7	(10.5-22.8)	6.3	(3.2-12.1)
50 +	51.0	(49.5-52.5)	50.5	(48.9-52.1)	55.5	(50.1-60.8)	50.8	(42.4-59.2)	45.7	(33.0-58.9)
Gender										
Male	28.0	(26.3-29.7)	29.3	(27.4-31.2)	24.2	(19.0-30.4)	24.1	(18.0-31.5)	13.5	(7.9-21.9)
Female	35.4	(33.9-37.0)	36.5	(34.8-38.2)	34.7	(30.7-39.0)	33.0	(25.5-41.4)	18.5	(12.0-27.4)
Education										
High school graduate or less	35.8	(33.8-37.8)	37.8	(35.5-40.0)	31.6	(26.2-37.5)	39.6	(29.9-50.3)	16.6	(10.5-25.3)
Some college or more	28.6	(27.3-30.0)	29.6	(28.1-31.1)	28.4	(24.4-32.7)	21.0	(16.2-26.6)	15.5	(9.6-24.0)
Household Income										
< \$35,000	37.8	(35.8-39.9)	40.0	(37.6-42.5)	34.1	(29.2-39.3)	40.2	(31.3-49.8)	19.3	(12.2-29.2)
\$35,000 +	27.3	(25.9-28.8)	28.3	(26.8-30.0)	26.2	(21.1-32.0)	19.1	(13.7-25.9)	13.5	(7.8-22.3)

^a The proportion who had ever being told by a health care professional that they had some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia.

^b Michigan estimates include all racial groups.

2012 Michigan BRFSS Estimates by Race-Ethnicity
June 25, 2013

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	5.2	(4.7-5.8)	5.2	(4.7-5.8)	5.8	(4.1-8.2)	5.0	(3.0-8.2)	3.9	(2.0-7.6)
Age										
18 - 49	1.1	(0.7-1.6)	1.2	(0.7-1.8)	1.0	(0.3-3.0)	0.0	(---)	0.9	(0.1-6.2)
50 +	10.0	(9.0-11.0)	9.3	(8.4-10.3)	13.0	(9.1-18.2)	13.9	(8.5-21.9)	13.0	(6.5-24.4)
Gender										
Male	7.2	(6.3-8.2)	7.1	(6.2-8.2)	7.8	(4.6-12.9)	6.2	(3.6-10.4)	8.0	(3.9-15.5)
Female	3.4	(2.9-3.9)	3.4	(2.9-4.0)	4.2	(2.9-5.9)	3.7	(1.2-10.5)	0.3	(0.0-1.8)
Education										
High school graduate or less	7.5	(6.5-8.6)	7.6	(6.6-8.8)	7.9	(4.8-12.7)	7.1	(3.1-15.4)	4.6	(2.0-10.3)
Some college or more	3.6	(3.1-4.1)	3.6	(3.1-4.1)	3.9	(2.6-5.8)	3.6	(2.2-6.0)	2.9	(0.8-9.5)
Household Income										
< \$35,000	8.0	(6.9-9.2)	8.6	(7.4-10.1)	5.8	(3.5-9.3)	8.2	(4.2-15.2)	7.1	(3.3-14.8)
\$35,000 +	3.3	(2.8-3.9)	3.3	(2.8-3.9)	4.9	(2.6-8.8)	2.4	(1.2-4.6)	1.1	(0.2-5.1)

^a The proportion who had ever been told by a doctor that they had a heart attack or myocardial infarction.
^b Michigan estimates include all racial groups.

**Table 31: Ever Told Angina or Coronary Heart Disease^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	5.1	(4.6-5.6)	5.2	(4.7-5.8)	4.5	(3.3-6.0)	5.9	(3.7-9.3)	3.0	(1.4-6.5)
Age										
18 - 49	0.9	(0.6-1.4)	0.8	(0.4-1.3)	1.6	(0.7-4.0)	0.8	(0.1-4.7)	0.9	(0.1-6.1)
50 +	9.8	(9.0-10.8)	9.8	(8.9-10.8)	8.7	(6.5-11.6)	14.8	(9.3-22.7)	9.5	(4.1-20.4)
Gender										
Male	6.6	(5.8-7.5)	6.9	(6.0-7.9)	4.9	(2.9-8.3)	7.1	(4.2-11.8)	5.6	(2.3-13.0)
Female	3.6	(3.2-4.1)	3.7	(3.2-4.3)	4.0	(3.1-5.3)	4.5	(1.8-10.8)	0.7	(0.2-2.3)
Education										
High school graduate or less	6.4	(5.5-7.3)	6.7	(5.7-7.8)	4.8	(3.2-7.3)	8.6	(4.2-16.7)	4.2	(1.6-10.3)
Some college or more	4.1	(3.6-4.7)	4.2	(3.7-4.8)	4.1	(2.6-6.3)	4.1	(2.4-7.1)	1.5	(0.4-5.0)
Household Income										
< \$35,000	7.5	(6.5-8.6)	8.1	(6.9-9.4)	6.0	(4.2-8.6)	8.6	(4.5-15.8)	5.0	(1.9-12.6)
\$35,000 +	3.5	(3.0-4.0)	3.6	(3.1-4.2)	2.4	(1.1-5.0)	3.8	(1.9-7.3)	1.5	(0.4-5.2)

^a The proportion who had ever been told by a doctor that they had angina or coronary heart disease.
^b Michigan estimates include all racial groups.

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	3.5	(3.1-3.9)	3.1	(2.7-3.6)	5.2	(3.7-7.1)	4.5	(2.9-7.0)	2.7	(1.1-6.5)
Age										
18 - 49	1.2	(0.8-1.8)	0.8	(0.5-1.3)	3.0	(1.5-5.8)	1.1	(0.4-3.6)	2.3	(0.6-8.0)
50 +	5.9	(5.2-6.7)	5.5	(4.8-6.3)	8.4	(6.0-11.6)	10.5	(6.6-16.4)	3.9	(1.3-10.7)
Gender										
Male	3.5	(2.8-4.2)	3.2	(2.6-4.0)	4.9	(2.7-8.7)	4.7	(2.4-8.9)	2.4	(0.7-7.2)
Female	3.4	(3.0-4.0)	3.0	(2.5-3.6)	5.4	(3.9-7.6)	4.4	(2.4-7.7)	3.0	(0.8-10.7)
Education										
High school graduate or less	4.4	(3.7-5.2)	4.3	(3.5-5.3)	4.7	(2.9-7.5)	5.3	(2.6-10.5)	3.9	(1.4-10.8)
Some college or more	2.7	(2.3-3.2)	2.3	(1.9-2.8)	5.6	(3.6-8.6)	4.0	(2.2-7.0)	1.0	(0.2-4.1)
Household Income										
< \$35,000	5.3	(4.5-6.2)	5.4	(4.5-6.5)	5.2	(3.6-7.3)	8.0	(4.8-13.1)	1.9	(0.6-6.1)
\$35,000 +	2.1	(1.6-2.6)	1.7	(1.4-2.2)	6.0	(3.1-11.3)	1.2	(0.4-4.1)	1.5	(0.3-6.9)

^a The proportion who had ever been told by a doctor that they had a stroke.
^b Michigan estimates include all racial groups.

**Table 33: Ever Told Any Cardiovascular Disease^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	9.9	(9.2-10.6)	9.6	(8.9-10.4)	12.1	(9.7-14.9)	9.3	(6.6-12.9)	7.3	(4.3-12.1)
Age										
18 - 49	2.7	(2.1-3.4)	2.2	(1.6-3.0)	4.7	(2.8-7.8)	2.0	(0.8-5.2)	4.1	(1.6-10.2)
50 +	18.1	(16.9-19.3)	17.2	(16.0-18.5)	23.1	(18.5-28.4)	22.2	(15.8-30.2)	17.1	(9.5-28.7)
Gender										
Male	11.8	(10.7-13.0)	11.6	(10.4-12.8)	14.0	(9.8-19.7)	10.0	(6.5-15.1)	11.3	(6.2-19.8)
Female	8.0	(7.3-8.8)	7.8	(7.0-8.7)	10.4	(8.3-13.0)	8.5	(4.8-14.5)	3.6	(1.2-10.6)
Education										
High school graduate or less	12.9	(11.6-14.3)	13.1	(11.7-14.5)	13.7	(9.8-18.7)	11.2	(6.2-19.3)	9.7	(5.2-17.6)
Some college or more	7.6	(6.9-8.3)	7.3	(6.6-8.0)	10.6	(8.0-13.8)	8.1	(5.5-11.7)	3.9	(1.4-10.1)
Household Income										
< \$35,000	14.0	(12.7-15.5)	14.8	(13.2-16.4)	12.4	(9.4-16.3)	14.0	(8.9-21.3)	10.4	(5.5-18.8)
\$35,000 +	6.7	(5.9-7.5)	6.4	(5.7-7.2)	11.2	(7.4-16.7)	5.9	(3.4-9.8)	2.9	(1.0-7.9)

^a The proportion who had ever been told by a doctor that they had a heart attack, coronary heart disease or a stroke.
^b Michigan estimates include all racial groups.

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	5.7	(5.3-6.2)	7.0	(6.5-7.6)	1.0	(0.4-2.5)	2.1	(1.2-3.5)	0.2	(0.0-1.3)
Age										
18 - 49	1.3	(0.9-1.8)	1.4	(1.0-2.0)	1.0	(0.3-4.0)	0.8	(0.3-2.5)	0.0	(---)
50 +	10.8	(10.0-11.7)	12.7	(11.7-13.7)	1.1	(0.5-2.5)	4.3	(2.3-7.7)	0.8	(0.1-5.3)
Gender										
Male	5.3	(4.7-6.0)	6.5	(5.7-7.3)	0.9	(0.2-3.9)	1.3	(0.6-2.7)	0.0	(---)
Female	6.1	(5.5-6.9)	7.5	(6.7-8.4)	1.1	(0.4-3.4)	2.9	(1.5-5.9)	0.4	(0.0-2.5)
Education										
High school graduate or less	5.5	(4.8-6.3)	7.0	(6.1-8.1)	1.1	(0.3-3.8)	0.6	(0.1-2.7)	0.3	(0.0-2.3)
Some college or more	5.9	(5.3-6.5)	7.0	(6.3-7.8)	1.0	(0.3-3.4)	3.0	(1.7-5.3)	0.0	(---)
Household Income										
< \$35,000	5.1	(4.4-6.0)	6.7	(5.8-7.8)	1.6	(0.6-4.5)	1.7	(0.9-3.2)	0.4	(0.1-2.9)
\$35,000 +	6.2	(5.5-6.9)	7.1	(6.4-8.0)	0.3	(0.1-1.4)	2.8	(1.3-6.1)	0.0	(---)

^a The proportion who reported ever being told by a doctor that they had skin cancer.
^b Michigan estimates include all racial groups.

**Table 35: Ever Told Any Other Type of Cancer^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	7.9	(7.3-8.5)	8.4	(7.7-9.2)	5.9	(4.5-7.7)	6.1	(3.8-9.6)	4.8	(2.6-8.6)
Age										
18 - 49	3.7	(2.9-4.6)	3.9	(3.0-5.0)	3.2	(1.6-6.1)	3.1	(1.2-8.2)	2.2	(0.6-7.5)
50 +	12.6	(11.7-13.6)	13.0	(12.0-14.1)	10.0	(7.9-12.7)	11.4	(7.1-18.0)	12.8	(6.9-22.3)
Gender										
Male	6.2	(5.4-7.0)	6.6	(5.7-7.6)	4.1	(2.6-6.5)	5.5	(2.7-11.1)	3.8	(1.5-9.5)
Female	9.5	(8.6-10.5)	10.2	(9.2-11.3)	7.5	(5.4-10.2)	6.7	(3.7-11.8)	5.7	(2.6-11.9)
Education										
High school graduate or less	9.5	(8.4-10.7)	10.5	(9.2-12.0)	5.8	(3.9-8.5)	10.0	(5.3-18.3)	4.2	(2.0-8.6)
Some college or more	6.7	(6.0-7.3)	7.0	(6.3-7.7)	6.0	(4.2-8.7)	3.6	(2.0-6.4)	5.7	(2.2-13.6)
Household Income										
< \$35,000	9.5	(8.4-10.8)	11.2	(9.7-12.8)	5.5	(3.8-7.9)	6.7	(3.3-13.2)	4.9	(2.2-10.5)
\$35,000 +	6.9	(6.1-7.7)	6.9	(6.1-7.8)	7.8	(5.0-11.9)	6.2	(3.2-11.7)	4.7	(1.7-12.5)

^a The proportion who reported ever being told by a doctor that they had a form of cancer other than skin cancer.

^b Michigan estimates include all racial groups.

**Table 36: Ever Told Cancer^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	12.3	(11.6-13.0)	13.9	(13.0-14.7)	6.5	(5.0-8.5)	7.5	(5.1-11.0)	4.8	(2.6-8.6)
Age										
18 - 49	4.5	(3.7-5.5)	4.9	(4.0-6.0)	3.7	(1.9-6.9)	3.9	(1.7-8.7)	2.2	(0.6-7.5)
50 +	21.0	(19.9-22.2)	22.9	(21.6-24.2)	10.8	(8.5-13.6)	14.1	(9.3-20.8)	12.8	(6.9-22.3)
Gender										
Male	10.4	(9.4-11.4)	11.8	(10.6-13.0)	4.9	(3.1-7.9)	6.3	(3.3-11.7)	3.8	(1.5-9.5)
Female	14.1	(13.0-15.2)	15.9	(14.7-17.2)	7.9	(5.8-10.8)	8.9	(5.4-14.2)	5.7	(2.6-11.9)
Education										
High school graduate or less	13.4	(12.2-14.8)	15.7	(14.2-17.4)	6.1	(4.2-8.9)	10.2	(5.4-18.4)	4.2	(2.0-8.6)
Some college or more	11.4	(10.6-12.3)	12.6	(11.7-13.6)	6.9	(4.8-9.9)	5.8	(3.7-9.1)	5.7	(2.2-13.6)
Household Income										
< \$35,000	13.3	(12.0-14.7)	16.2	(14.5-18.0)	6.4	(4.4-9.2)	7.9	(4.2-14.2)	4.9	(2.2-10.5)
\$35,000 +	11.9	(10.9-12.9)	12.7	(11.6-13.8)	8.1	(5.3-12.3)	8.0	(4.6-13.7)	4.7	(1.7-12.5)

^a The proportion who reported ever being told by a doctor that they had skin cancer or any other type of cancer.

^b Michigan estimates include all racial groups.

**Table 37: Ever Told Diabetes^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	10.5	(9.7-11.2)	9.6	(8.9-10.4)	13.8	(11.4-16.7)	11.0	(7.9-15.0)	13.9	(8.4-22.1)
Age										
18 - 49	4.3	(3.5-5.3)	3.9	(3.1-4.9)	4.8	(2.9-7.7)	3.7	(1.6-8.5)	8.5	(3.2-20.9)
50 +	17.4	(16.2-18.6)	15.4	(14.3-16.6)	27.3	(22.5-32.7)	23.8	(17.3-31.9)	30.3	(19.8-43.4)
Gender										
Male	11.5	(10.3-12.8)	10.4	(9.3-11.6)	15.0	(10.7-20.6)	12.2	(7.9-18.3)	18.6	(9.3-33.9)
Female	9.5	(8.7-10.4)	9.0	(8.0-10.0)	12.9	(10.5-15.7)	9.6	(5.8-15.6)	9.6	(5.2-17.2)
Education										
High school graduate or less	12.6	(11.3-14.1)	11.7	(10.4-13.1)	14.4	(10.4-19.6)	15.8	(9.6-24.9)	19.1	(10.4-32.3)
Some college or more	8.7	(8.0-9.6)	8.2	(7.3-9.1)	13.3	(10.6-16.6)	7.9	(5.4-11.2)	6.8	(3.3-13.4)
Household Income										
< \$35,000	13.8	(12.4-15.3)	13.2	(11.8-14.8)	14.6	(11.1-18.8)	15.1	(9.5-23.1)	17.7	(9.3-31.0)
\$35,000 +	8.2	(7.3-9.2)	7.4	(6.6-8.4)	14.6	(10.6-19.7)	8.0	(5.0-12.7)	10.8	(4.0-26.4)

^a The proportion who reported that they were ever told by a doctor that they had 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 Michigan estimates include all racial groups.

**Table 38: Ever Told Kidney Disease^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	3.4	(2.9-3.9)	3.1	(2.7-3.6)	5.0	(3.4-7.4)	3.3	(2.0-5.4)	4.0	(1.8-8.6)
Age										
18 - 49	1.7	(1.2-2.4)	1.4	(0.9-2.1)	3.1	(1.6-5.7)	0.8	(0.2-4.2)	3.7	(1.3-10.2)
50 +	5.3	(4.6-6.1)	4.8	(4.2-5.5)	8.0	(4.8-12.9)	7.6	(4.6-12.6)	5.1	(2.1-11.9)
Gender										
Male	2.7	(2.1-3.5)	2.5	(1.9-3.2)	4.4	(2.1-9.2)	3.1	(1.6-6.2)	1.5	(0.4-4.7)
Female	4.0	(3.4-4.7)	3.7	(3.1-4.3)	5.5	(3.6-8.5)	3.4	(1.6-7.2)	6.3	(2.5-14.9)
Education										
High school graduate or less	4.4	(3.6-5.4)	3.9	(3.1-4.9)	6.8	(3.9-11.7)	3.8	(1.7-8.2)	5.6	(2.2-13.6)
Some college or more	2.6	(2.2-3.0)	2.5	(2.1-2.9)	3.3	(2.1-5.2)	2.9	(1.5-5.7)	1.9	(0.6-6.1)
Household Income										
< \$35,000	4.5	(3.6-5.5)	4.2	(3.3-5.3)	5.6	(3.2-9.5)	4.2	(2.0-8.5)	4.2	(1.4-12.1)
\$35,000 +	2.4	(1.9-2.9)	2.4	(1.9-2.9)	2.6	(1.4-4.7)	2.6	(1.1-5.7)	2.0	(0.5-7.9)

^a The proportion who reported ever being told by a doctor that they had kidney disease.
^b Michigan estimates include all racial groups.

2012 Michigan BRFSS Estimates by Race-Ethnicity
June 25, 2013

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	20.6	(19.5-21.7)	20.6	(19.5-21.8)	17.5	(14.6-21.0)	21.7	(17.1-27.2)	30.9	(22.8-40.4)
Age										
18 - 49	20.9	(19.2-22.7)	21.1	(19.3-23.1)	15.7	(11.9-20.6)	19.2	(13.4-26.8)	32.6	(22.7-44.5)
50 +	20.5	(19.2-21.8)	20.2	(18.8-21.5)	20.2	(15.9-25.3)	26.1	(19.3-34.1)	25.6	(16.0-38.5)
Gender										
Male	15.1	(13.7-16.6)	15.4	(13.8-17.0)	10.9	(7.1-16.4)	20.0	(13.9-28.0)	18.5	(10.7-30.0)
Female	25.8	(24.2-27.4)	25.7	(24.0-27.4)	23.2	(19.2-27.8)	23.6	(17.2-31.5)	42.1	(29.9-55.3)
Education										
High school graduate or less	23.4	(21.5-25.4)	22.9	(20.9-25.1)	20.1	(15.2-26.1)	32.5	(23.2-43.3)	33.3	(21.7-47.4)
Some college or more	18.7	(17.5-19.9)	19.1	(17.7-20.5)	15.2	(12.0-18.9)	15.1	(11.0-20.2)	27.7	(18.3-39.6)
Household Income										
< \$35,000	28.0	(26.0-30.1)	28.8	(26.5-31.2)	21.9	(17.5-26.9)	31.3	(23.5-40.3)	38.6	(26.3-52.6)
\$35,000 +	15.2	(14.0-16.6)	15.6	(14.3-17.0)	11.7	(7.8-17.1)	11.6	(6.4-19.9)	19.5	(11.1-31.9)

^a The proportion who reported ever being told by a doctor that they had a depressive disorder including depression, major depression, dysthymia, or minor depression.
^b Michigan estimates include all racial groups.

**Table 40: Ever Told Non-Correctable Visual Impairment^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	17.1	(16.2-18.1)	15.9	(14.9-16.9)	23.9	(20.6-27.5)	17.9	(13.8-22.9)	19.8	(13.4-28.3)
Age										
18 - 49	14.6	(13.2-16.1)	13.4	(11.8-15.1)	19.2	(15.2-23.8)	14.1	(9.3-20.9)	18.8	(11.2-29.7)
50 +	20.1	(18.8-21.4)	18.4	(17.1-19.7)	30.9	(25.8-36.5)	24.5	(18.0-32.4)	23.1	(13.8-36.1)
Gender										
Male	15.3	(13.9-16.8)	14.3	(12.8-15.9)	23.1	(17.9-29.3)	13.2	(8.7-19.4)	11.2	(6.0-20.0)
Female	18.9	(17.6-20.3)	17.4	(16.0-18.8)	24.5	(20.6-28.9)	23.3	(16.8-31.4)	27.5	(17.2-40.9)
Education										
High school graduate or less	20.8	(19.1-22.7)	19.0	(17.2-21.0)	27.9	(22.5-34.1)	25.7	(17.5-36.1)	23.3	(13.7-36.8)
Some college or more	14.4	(13.4-15.5)	13.6	(12.5-14.8)	20.1	(16.4-24.3)	13.0	(9.3-17.8)	15.1	(9.0-24.2)
Household Income										
< \$35,000	23.4	(21.5-25.4)	22.3	(20.3-24.6)	28.6	(23.8-33.9)	24.6	(17.2-33.9)	16.6	(9.4-27.7)
\$35,000 +	12.3	(11.1-13.4)	11.5	(10.4-12.8)	18.1	(13.4-24.0)	11.7	(7.7-17.4)	15.8	(8.3-28.0)

^a The proportion who reported ever being told by a doctor that they had a visual impairment in one or both eyes, even when wearing glasses.

^b Michigan estimates include all racial groups.

**Table 41: Fell During the Past 12 Months among Adults 45 Years and Older^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	17.4	(16.3-18.6)	16.5	(15.3-17.7)	22.9	(18.4-28.1)	22.4	(16.4-29.8)	16.3	(9.5-26.5)
Gender										
Male	15.7	(14.0-17.6)	14.8	(13.1-16.6)	23.3	(15.3-33.8)	16.4	(10.2-25.2)	---	^c
Female	19.0	(17.5-20.5)	18.0	(16.5-19.6)	22.5	(18.1-27.7)	28.0	(18.8-39.5)	22.7	(12.7-37.3)
Education										
High school graduate or less	18.3	(16.4-20.4)	16.9	(15.0-18.9)	27.5	(19.8-36.8)	24.0	(14.5-37.0)	11.7	(4.9-25.6)
Some college or more	16.7	(15.3-18.0)	16.2	(14.8-17.7)	18.4	(14.2-23.3)	20.9	(14.4-29.4)	---	^c
Household Income										
< \$35,000	21.9	(19.8-24.2)	20.6	(18.4-22.9)	25.9	(19.2-33.9)	29.3	(19.1-42.2)	---	^c
\$35,000 +	14.3	(12.9-15.8)	13.9	(12.5-15.4)	19.4	(13.6-27.0)	14.5	(8.5-23.8)	---	^c

^a Among those 45 years and older, the proportion who reported to have unintentionally come to rest on the ground or another lower level during the past 12 months.

^b Michigan estimates include all racial groups.

^c Denominator cell size < 50.

**Table 42: Injured From a Fall during the Past 12 Months among Adults 45 Years and Older^a by Race-Ethnicity
2012 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	6.1	(5.4-7.0)	5.4	(4.7-6.2)	10.2	(6.6-15.3)	10.3	(6.0-17.0)	6.2	(2.8-13.1)
Gender										
Male	4.9	(3.8-6.4)	4.0	(3.1-5.1)	11.9	(5.6-23.5)	8.0	(3.8-16.1)		--- ^c
Female	7.2	(6.2-8.3)	6.7	(5.7-7.9)	8.8	(6.0-12.7)	12.4	(5.9-24.0)	7.6	(2.7-19.5)
Education										
High school graduate or less	6.8	(5.4-8.4)	5.6	(4.5-7.0)	13.6	(7.4-23.5)	9.5	(3.5-23.3)	6.9	(2.2-19.3)
Some college or more	5.6	(4.9-6.5)	5.3	(4.5-6.2)	6.9	(4.3-10.9)	10.9	(6.2-18.6)		--- ^c
Household Income										
< \$35,000	9.6	(8.0-11.6)	8.4	(6.9-10.2)	13.3	(7.7-21.9)	17.8	(9.5-30.9)		--- ^c
\$35,000 +	3.8	(3.1-4.6)	3.6	(2.9-4.4)	6.3	(3.4-11.4)	3.7	(1.2-10.7)		--- ^c

^a Among all those age 45 years and older, the proportion who reported to have been injured due to a fall during the past 12 months.

^b Michigan estimates include all racial groups.

^c Denominator cell size < 50.