

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

State of Michigan

Selected Tables

Michigan Behavioral Risk Factor Survey

2016

Lifecourse Epidemiology and Genomics Division
Bureau of Epidemiology and Population Health
Michigan Department of Health and Human Services

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Introduction

The Michigan Behavioral Risk Factor Survey (MiBRFS) is an annual, statewide telephone survey of Michigan adults aged 18 years and older that is conducted through a collaborative effort among the Population Health Surveillance Branch (PHSB) 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 Health and Human Services. Michigan BRFSS data contribute to the national [Behavioral Risk Factor Surveillance System](#) that is managed by the PHSB at the CDC.

In 2016, the total sample size of completed interviews for the core survey was 12,024 (land line = 4,797; cell phone = 7,227) which consisted of 9,624 White, non-Hispanics, 1,226 Black, non-Hispanics, 635 Other/Multiracial, non-Hispanics, and 307 Hispanics. Race/ethnicity was not available for 48 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. 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 2016 Michigan BRFSS, 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. The sample of cell phone numbers used within the 2016 Michigan BRFSS 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 2016 Michigan BRFSS 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.

In an effort to provide the most reliable information possible, prevalence estimates are suppressed if they are based on a denominator of less than 50 respondents or have a relative standard error of greater than 30%.

Due to the BRFSS methodology changes that took place in 2011, the estimates provided within the following tables should only be compared to Michigan BRFSS estimates from 2011-2014 and not to Michigan BRFSS estimates from years prior to 2011.

If you have any questions regarding any of the estimates within the following tables, please contact Allison Murad at murada@michigan.gov.

**Table 1: Fair or Poor General Health^a by Race-Ethnicity
2016 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	18.0	(17.2-18.9)	17.1	(16.2-18.1)	24.3	(21.5-27.4)	15.1	(12.1-18.5)	17.7	(13.0-23.6)
Age										
18 - 49	13.9	(12.7-15.3)	13.5	(12.1-15.0)	18.2	(14.7-22.3)	10.1	(7.0-14.3)	12.6	(7.9-19.6)
50 +	22.4	(21.2-23.6)	20.6	(19.4-21.9)	33.1	(28.7-37.9)	25.7	(20.2-32.2)	31.6	(21.5-43.7)
Gender										
Male	16.8	(15.6-18.1)	16.8	(15.5-18.2)	20.6	(16.5-25.4)	9.0	(6.4-12.4)	16.4	(10.0-25.7)
Female	19.0	(17.8-20.3)	17.4	(16.1-18.7)	27.6	(23.8-31.7)	21.5	(16.4-27.6)	18.8	(12.7-27.1)
Education										
High school graduate or less	24.6	(22.9-26.3)	24.3	(22.5-26.2)	27.9	(23.4-32.9)	23.4	(17.2-31.1)	20.3	(13.5-29.3)
Some college or more	13.4	(12.5-14.3)	12.4	(11.5-13.5)	20.9	(17.5-24.7)	11.6	(8.5-15.6)	14.0	(9.0-21.1)
Household Income										
< \$35,000	29.2	(27.3-31.1)	29.4	(27.2-31.7)	31.3	(26.9-36.2)	24.4	(18.6-31.3)	23.5	(15.7-33.7)
\$35,000 +	10.2	(9.3-11.2)	9.8	(8.9-10.8)	13.7	(10.3-17.9)	10.1	(6.1-16.1)	11.3	(6.6-18.4)

^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
2016 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	14.1	(13.3-15.0)	14.4	(13.6-15.4)	13.7	(11.4-16.3)	11.3	(8.9-14.2)	13.1	(8.9-19.0)
Age										
18 - 49	10.3	(9.2-11.5)	11.0	(9.7-12.4)	8.3	(5.9-11.6)	6.7	(4.5-9.8)	10.7	(6.2-18.0)
50 +	18.3	(17.1-19.4)	17.7	(16.5-18.9)	21.7	(17.8-26.1)	20.5	(15.5-26.7)	20.0	(11.8-31.6)
Gender										
Male	12.6	(11.5-13.8)	12.9	(11.7-14.2)	11.9	(8.6-16.4)	8.6	(6.1-12.1)	13.4	(7.5-22.8)
Female	15.5	(14.4-16.7)	15.8	(14.5-17.1)	15.2	(12.4-18.5)	13.8	(10.0-18.7)	13.2	(7.8-21.4)
Education										
High school graduate or less	19.4	(17.9-21.1)	20.1	(18.3-22.0)	17.8	(14.0-22.5)	18.3	(12.6-25.9)	16.1	(9.8-25.3)
Some college or more	10.4	(9.7-11.3)	10.7	(9.9-11.7)	9.9	(7.8-12.5)	8.3	(6.1-11.0)	9.3	(5.3-15.6)
Household Income										
< \$35,000	23.0	(21.2-24.8)	24.5	(22.4-26.7)	20.3	(16.5-24.8)	17.9	(13.1-24.1)	18.3	(11.1-28.7)
\$35,000 +	8.2	(7.4-9.1)	8.5	(7.6-9.5)	6.2	(3.9-9.6)	7.2	(4.4-11.6)	-- ^c	-- ^c

^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.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 3: Poor Mental Health on at Least 14 Days in the Past Month^a by Race-Ethnicity
2016 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	13.4	(12.6-14.3)	13.0	(12.1-13.9)	15.3	(12.7-18.2)	12.3	(9.5-15.7)	16.8	(12.0-23.0)
Age										
18 - 49	16.4	(15.0-17.9)	16.7	(15.2-18.4)	15.3	(12.7-18.2)	11.2	(7.9-15.6)	17.6	(11.8-25.5)
50 +	10.2	(9.3-11.1)	9.5	(8.6-10.5)	16.6	(13.1-21.0)	14.6	(10.2-20.4)	14.5	(7.8-25.4)
Gender										
Male	11.4	(10.3-12.7)	10.8	(9.6-12.2)	13.7	(9.9-18.7)	11.8	(8.1-17.1)	15.8	(9.0-26.2)
Female	15.2	(14.0-16.4)	14.9	(13.6-16.3)	16.5	(13.4-20.2)	12.8	(9.1-17.5)	18.0	(11.9-26.3)
Education										
High school graduate or less	17.0	(15.4-18.7)	16.3	(14.6-18.2)	18.4	(14.2-23.4)	21.5	(14.8-30.2)	19.0	(12.2-28.5)
Some college or more	10.9	(10.0-11.8)	10.8	(9.8-11.8)	12.2	(9.5-15.4)	8.4	(6.0-11.6)	14.0	(8.7-21.6)
Household Income										
< \$35,000	20.2	(18.5-22.1)	20.4	(18.3-22.6)	20.4	(16.3-25.2)	20.3	(14.6-27.5)	18.3	(11.3-28.3)
\$35,000 +	9.0	(8.1-10.0)	8.6	(7.7-9.7)	9.3	(6.1-13.8)	8.6	(5.2-13.9)	17.7	(10.7-27.8)

^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
2016 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	9.8	(9.1-10.5)	9.5	(8.8-10.4)	11.8	(9.7-14.4)	8.8	(6.7-11.5)	9.1	(5.8-14.0)
Age										
18 - 49	8.1	(7.1-9.2)	8.3	(7.1-9.6)	9.4	(6.8-12.8)	5.1	(3.1-8.1)	-- ^c	-- ^c
50 +	11.6	(10.7-12.6)	10.7	(9.8-11.8)	15.5	(12.2-19.6)	16.5	(12.1-22.1)	16.8	(9.7-27.5)
Gender										
Male	8.7	(7.8-9.8)	8.9	(7.8-10.2)	9.0	(6.1-13.1)	7.3	(4.9-10.9)	-- ^c	-- ^c
Female	10.7	(9.8-11.7)	10.0	(9.0-11.1)	14.3	(11.4-17.7)	10.3	(7.2-14.5)	12.3	(7.2-20.0)
Education										
High school graduate or less	13.5	(12.2-15.0)	13.9	(12.3-15.6)	13.9	(10.5-18.0)	13.0	(8.3-19.6)	9.1	(5.0-16.0)
Some college or more	7.1	(6.5-7.9)	6.7	(6.0-7.5)	9.9	(7.4-13.1)	6.8	(4.8-9.5)	-- ^c	-- ^c
Household Income										
< \$35,000	17.1	(15.5-18.7)	17.3	(15.4-19.4)	18.7	(15.1-23.0)	16.1	(11.3-22.4)	9.1	(5.1-15.6)
\$35,000 +	4.9	(4.2-5.6)	4.8	(4.1-5.5)	-- ^c	-- ^c	4.3	(2.5-7.5)	-- ^c	-- ^c

^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

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 5: Disability^a by Race-Ethnicity
2016 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	26.8	(25.7-27.8)	27.4	(26.3-28.6)	27.0	(24.0-30.3)	22.6	(18.7-27.0)	18.0	(13.2-24.2)
Age										
18 - 49	18.7	(17.3-20.3)	19.7	(18.0-21.5)	18.4	(14.8-22.7)	13.6	(9.6-19.1)	13.1	(8.1-20.4)
50 +	35.0	(33.6-36.3)	34.2	(32.8-35.7)	39.5	(34.9-44.4)	40.3	(33.1-47.8)	31.3	(21.1-43.6)
Gender										
Male	25.5	(24.0-27.0)	26.2	(24.5-27.9)	25.6	(20.9-30.9)	21.2	(16.1-27.5)	16.7	(9.9-26.8)
Female	27.9	(26.5-29.3)	28.5	(26.9-30.0)	28.4	(24.7-32.5)	23.8	(18.5-30.1)	19.3	(13.1-27.7)
Education										
High school graduate or less	31.5	(29.7-33.4)	33.2	(31.1-35.3)	27.9	(23.3-33.0)	32.9	(24.8-42.1)	18.8	(12.0-28.1)
Some college or more	23.4	(22.3-24.6)	23.6	(22.4-24.9)	26.3	(22.5-30.4)	17.9	(13.9-22.7)	17.4	(11.5-25.5)
Household Income										
< \$35,000	38.5	(36.5-40.6)	40.5	(38.1-43.0)	35.0	(30.3-39.9)	37.4	(29.0-46.6)	27.0	(18.4-37.9)
\$35,000 +	19.0	(17.8-20.2)	19.8	(18.5-21.1)	17.2	(13.1-22.3)	14.8	(10.6-20.2)	9.4	(5.3-16.4)

^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.

**Table 6: Obesity^a by Race-Ethnicity
2016 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	32.6	(31.5-33.7)	32.1	(30.9-33.3)	38.5	(35.1-42.1)	21.0	(17.4-25.1)	37.1	(30.4-44.3)
Age										
18 - 49	31.0	(29.2-32.7)	29.8	(27.9-31.8)	41.2	(36.3-46.3)	14.4	(10.8-19.1)	36.1	(28.1-44.9)
50 +	34.3	(32.9-35.6)	34.1	(32.7-35.6)	34.5	(30.1-39.1)	33.3	(26.6-40.8)	39.9	(28.7-52.2)
Gender										
Male	32.4	(30.8-34.0)	33.2	(31.5-35.0)	31.5	(26.5-36.9)	18.4	(14.0-23.7)	37.8	(28.4-48.2)
Female	32.7	(31.1-34.2)	30.8	(29.1-32.5)	44.9	(40.3-49.5)	23.7	(18.2-30.3)	36.7	(27.7-46.8)
Education										
High school graduate or less	35.7	(33.8-37.7)	35.9	(33.7-38.1)	35.2	(30.1-40.6)	32.5	(24.5-41.8)	37.5	(28.0-48.0)
Some college or more	30.3	(29.0-31.6)	29.5	(28.1-30.9)	41.6	(37.0-46.2)	15.9	(12.4-20.1)	37.0	(28.4-46.4)
Household Income										
< \$35,000	35.6	(33.6-37.7)	35.1	(32.7-37.5)	39.3	(34.5-44.3)	26.4	(19.8-34.2)	38.4	(28.3-49.5)
\$35,000 +	31.3	(29.8-32.8)	31.1	(29.5-32.7)	37.0	(31.4-43.0)	17.0	(12.5-22.7)	40.1	(29.9-51.1)

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
2016 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	(9.0-10.8)	8.2	(7.3-9.1)	14.6	(11.8-18.0)	13.5	(9.4-18.9)	18.2	(13.0-25.0)
Age										
18 - 49	11.4	(10.2-12.7)	9.1	(7.9-10.5)	16.5	(13.0-20.8)	15.3	(10.2-22.4)	20.9	(14.6-29.1)
50 - 64	7.1	(6.1-8.3)	6.6	(5.5-7.8)	9.9	(6.2-15.3)	8.2	(4.8-13.5)	-- ^c	-- ^c
Gender										
Male	11.2	(9.9-12.7)	9.6	(8.3-11.1)	16.1	(11.8-21.5)	13.7	(8.3-21.8)	21.4	(13.3-32.6)
Female	8.5	(7.4-9.8)	6.7	(5.6-8.1)	13.1	(9.7-17.5)	12.9	(7.7-21.0)	15.4	(9.5-24.2)
Education										
High school graduate or less	14.9	(13.1-16.9)	12.6	(10.8-14.8)	18.1	(13.3-24.0)	22.6	(13.8-34.7)	24.7	(16.7-35.1)
Some college or more	6.7	(5.9-7.6)	5.6	(4.8-6.5)	11.2	(8.4-14.7)	10.0	(6.0-16.2)	8.7	(4.8-15.0)
Household Income										
< \$35,000	15.9	(14.0-18.1)	12.5	(10.5-14.7)	21.2	(16.5-26.9)	18.2	(9.9-31.0)	29.2	(19.8-40.6)
\$35,000 +	5.7	(4.8-6.7)	5.4	(4.5-6.6)	3.8	(2.0-7.0)	11.2	(6.8-18.0)	-- ^c	-- ^c

^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

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 8: Medicaid Coverage among All Adults^a by Race-Ethnicity
2016 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	13.9	(13.1-14.8)	11.6	(10.8-12.6)	26.3	(23.3-29.6)	15.6	(12.3-19.7)	15.3	(10.8-21.2)
Age										
18 - 49	16.0	(14.6-17.5)	13.4	(11.9-15.1)	28.7	(24.4-33.5)	15.8	(11.5-21.4)	14.1	(9.0-21.5)
50 - 64	11.8	(10.9-12.8)	10.0	(9.1-11.1)	22.9	(19.2-27.0)	15.2	(10.7-21.1)	18.5	(10.9-29.6)
Gender										
Male	12.0	(10.8-13.2)	10.3	(9.1-11.6)	22.2	(17.8-27.2)	15.6	(11.3-21.3)	7.8	(4.2-14.0)
Female	15.6	(14.4-16.9)	12.8	(11.6-14.2)	30.0	(26.0-34.3)	15.3	(10.6-21.5)	21.5	(14.3-31.1)
Education										
High school graduate or less	21.0	(19.3-22.7)	18.0	(16.2-19.9)	34.7	(29.7-40.0)	26.2	(18.8-35.2)	19.9	(13.2-28.9)
Some college or more	9.0	(8.2-9.9)	7.5	(6.7-8.4)	18.7	(15.4-22.4)	10.7	(7.5-15.2)	8.5	(4.3-16.1)
Household Income										
< \$35,000	29.5	(27.5-31.6)	27.7	(25.4-30.2)	36.8	(32.0-41.8)	24.4	(18.0-32.3)	30.1	(21.0-41.0)
\$35,000 +	4.0	(3.4-4.7)	3.2	(2.7-3.9)	9.8	(6.7-14.2)	8.6	(4.7-15.3)	2.7	(0.9-7.8)

^a Among all adults, the proportion who reported having Medicaid health care coverage, which includes those who had Medicaid only as well as those who had both Medicaid and Medicare.
^b Michigan estimates include all racial groups

Due to significant BRFSS methodology changes that took place in 2011, the estimates within these tables should not be compared to Michigan BRFSS estimates from prior to 2011.

**Table 9: Healthy Michigan Plan Coverage among All Adults^a by Race-Ethnicity
2016 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	2.9	(2.5-3.3)	2.5	(2.1-2.9)	5.4	(4.0-7.2)	2.0	(1.1-3.6)	-- ^c	-- ^c
Age										
18 - 49	3.7	(3.1-4.5)	3.4	(2.7-4.3)	5.6	(3.7-8.4)	-- ^c	-- ^c	-- ^c	-- ^c
50 - 64	2.0	(1.6-2.5)	1.6	(1.2-2.1)	5.1	(3.3-7.6)	-- ^c	-- ^c	-- ^c	-- ^c
Gender										
Male	2.9	(2.3-3.5)	2.4	(1.8-3.1)	5.1	(3.2-8.1)	-- ^c	-- ^c	-- ^c	-- ^c
Female	2.9	(2.4-3.5)	2.5	(2.0-3.2)	5.6	(3.8-8.1)	-- ^c	-- ^c	-- ^c	-- ^c
Education										
High school graduate or less	3.6	(2.9-4.4)	3.2	(2.5-4.2)	5.3	(3.4-8.3)	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	2.4	(1.9-2.9)	1.9	(1.5-2.5)	5.4	(3.6-8.0)	-- ^c	-- ^c	-- ^c	-- ^c
Household Income										
< \$35,000	6.2	(5.2-7.3)	5.5	(4.4-6.8)	9.0	(6.5-12.4)	-- ^c	-- ^c	-- ^c	-- ^c
\$35,000 +	0.8	(0.5-1.1)	0.7	(0.4-1.1)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c

^a Among all adults, the proportion who reported having only Healthy Michigan Plan health care coverage.

^b Michigan estimates include all racial groups

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 10: No Personal Health Care Provider^a by Race-Ethnicity
2016 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	14.9	(14.0-15.8)	13.3	(12.4-14.3)	19.5	(16.6-22.7)	18.7	(15.1-22.9)	24.0	(18.4-30.6)
Age										
18 - 49	22.7	(21.2-24.4)	21.2	(19.4-23.0)	26.5	(22.2-31.3)	24.0	(19.0-29.9)	30.7	(23.4-39.0)
50 +	6.5	(5.8-7.3)	6.1	(5.4-6.9)	9.1	(6.5-12.5)	8.1	(4.8-13.3)	-- ^c	-- ^c
Gender										
Male	19.2	(17.8-20.7)	17.7	(16.2-19.3)	23.6	(19.1-28.9)	21.6	(16.6-27.6)	30.0	(21.6-39.9)
Female	10.7	(9.7-11.9)	9.1	(8.0-10.3)	15.8	(12.3-19.9)	15.8	(11.1-21.9)	18.9	(12.1-28.2)
Education										
High school graduate or less	18.1	(16.5-19.9)	16.0	(14.2-17.8)	23.7	(19.1-29.1)	21.6	(14.9-30.3)	28.0	(19.8-37.9)
Some college or more	12.5	(11.5-13.5)	11.5	(10.5-12.6)	15.2	(12.2-18.9)	17.6	(13.6-22.5)	18.5	(12.7-26.2)
Household Income										
< \$35,000	19.0	(17.2-20.9)	16.2	(14.3-18.4)	23.0	(18.7-28.1)	22.0	(16.1-29.3)	34.2	(24.7-45.2)
\$35,000 +	11.7	(10.6-12.9)	11.5	(10.3-12.8)	10.3	(7.1-14.7)	16.1	(11.3-22.5)	15.8	(9.5-25.0)

^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.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 11: No Health Care Access during Past 12 Months Due to Cost^a by Race-Ethnicity
2016 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	12.8	(12.0-13.6)	11.8	(11.0-12.7)	15.1	(12.8-17.8)	19.3	(15.4-23.9)	15.8	(11.2-21.9)
Age										
18 - 49	15.3	(14.0-16.7)	14.4	(13.0-16.0)	17.1	(13.8-21.0)	18.2	(13.3-24.4)	17.7	(11.9-25.4)
50 +	10.2	(9.3-11.1)	9.4	(8.5-10.4)	12.1	(9.3-15.6)	21.6	(15.8-28.7)	-- ^c	-- ^c
Gender										
Male	12.1	(11.0-13.3)	11.8	(10.9-12.7)	14.5	(11.1-18.7)	18.3	(13.7-23.9)	12.5	(6.8-21.7)
Female	13.4	(12.4-14.6)	11.3	(10.0-12.6)	15.8	(12.8-19.3)	20.8	(14.8-28.6)	19.2	(12.6-28.1)
Education										
High school graduate or less	16.3	(14.8-17.9)	15.6	(14.0-17.4)	14.9	(11.6-19.0)	28.6	(20.0-39.1)	20.6	(13.6-30.0)
Some college or more	10.4	(9.6-11.3)	9.3	(8.4-10.3)	15.4	(12.4-19.1)	15.8	(12.0-20.6)	9.5	(5.5-15.9)
Household Income										
< \$35,000	19.7	(18.0-21.5)	19.1	(17.2-21.1)	20.3	(16.6-24.6)	25.2	(17.9-34.2)	19.9	(12.6-30.0)
\$35,000 +	8.4	(7.5-9.4)	7.8	(6.9-8.9)	9.8	(6.8-14.0)	14.6	(9.9-20.9)	-- ^c	-- ^c

^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.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 12: No Leisure Time Physical Activity^a by Race-Ethnicity
2016 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	23.8	(22.8-24.8)	22.9	(21.8-23.9)	28.6	(25.5-31.9)	20.4	(16.8-24.7)	29.5	(23.3-36.5)
Age										
18 - 49	19.7	(18.3-21.3)	18.1	(16.5-19.8)	26.2	(22.0-30.8)	17.2	(12.9-22.7)	26.0	(18.9-34.6)
50 +	28.1	(26.9-29.4)	27.3	(26.0-28.7)	32.3	(28.1-36.9)	27.0	(21.0-33.8)	39.4	(28.3-51.8)
Gender										
Male	21.9	(20.5-23.3)	21.3	(19.8-22.8)	27.2	(22.5-32.5)	13.4	(10.0-17.9)	28.1	(20.2-37.7)
Female	25.6	(24.2-27.0)	24.4	(22.9-25.9)	29.9	(26.0-34.0)	27.8	(21.6-34.9)	30.4	(21.7-40.8)
Education										
High school graduate or less	32.3	(30.5-34.2)	32.2	(30.1-34.2)	34.0	(29.1-39.3)	23.7	(17.3-31.6)	34.9	(25.9-45.1)
Some college or more	17.9	(16.8-18.9)	16.9	(15.8-18.0)	23.4	(19.8-27.4)	18.9	(14.6-24.1)	21.3	(14.9-29.5)
Household Income										
< \$35,000	31.8	(29.9-33.8)	31.9	(29.7-34.2)	33.3	(28.8-38.2)	22.8	(17.1-29.7)	33.5	(24.3-44.1)
\$35,000 +	17.9	(16.7-19.1)	17.1	(15.9-18.4)	21.5	(17.0-26.9)	18.4	(13.2-25.1)	24.8	(15.9-36.5)

^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 13: Current Smoking^a by Race-Ethnicity
2016 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	20.4	(19.4-21.4)	19.6	(18.5-20.7)	25.0	(21.9-28.4)	21.2	(17.3-25.7)	19.9	(14.8-26.3)
Age										
18 - 49	24.2	(22.6-25.8)	24.5	(22.7-26.5)	25.2	(20.9-30.0)	20.8	(15.8-26.7)	20.9	(14.7-28.8)
50 +	16.4	(15.4-17.6)	15.1	(14.0-16.3)	24.7	(20.5-29.4)	22.1	(16.6-28.8)	17.1	(9.9-28.1)
Gender										
Male	22.2	(20.6-23.7)	20.9	(19.3-22.6)	28.9	(23.8-34.6)	20.5	(15.7-26.4)	27.0	(18.4-37.7)
Female	18.6	(17.4-20.0)	18.3	(16.9-19.7)	21.4	(17.9-25.4)	21.5	(15.8-28.5)	13.6	(8.7-20.7)
Education										
High school graduate or less	29.3	(27.4-31.2)	28.9	(26.8-31.1)	32.6	(27.4-38.2)	30.9	(23.1-40.0)	24.2	(16.6-33.8)
Some college or more	14.3	(13.3-15.3)	13.6	(12.6-14.8)	17.6	(14.4-21.5)	16.7	(12.5-21.8)	13.5	(8.4-20.9)
Household Income										
< \$35,000	30.8	(28.7-32.9)	30.6	(28.2-33.0)	33.2	(28.4-38.4)	26.7	(20.3-34.3)	28.6	(19.8-39.5)
\$35,000 +	14.4	(13.2-15.6)	14.3	(13.1-15.6)	12.0	(8.4-16.9)	20.3	(14.2-28.2)	15.1	(9.2-23.8)

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

Due to significant BRFSS methodology changes that took place in 2011, the estimates within these tables should not be compared to Michigan BRFSS estimates from prior to 2011.

**Table 14: Current E-Cigarette Use^a by Race-Ethnicity
2016 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	5.0	(4.4-5.6)	5.2	(4.6-5.9)	3.7	(2.5-5.3)	4.7	(3.1-6.9)	-- ^c	-- ^c
Age										
18 - 49	7.3	(6.3-8.4)	8.1	(6.9-9.5)	4.6	(2.9-7.0)	-- ^c	-- ^c	-- ^c	-- ^c
50 +	2.6	(2.1-3.1)	2.5	(2.1-3.1)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Gender										
Male	5.7	(4.8-6.6)	5.7	(4.8-6.8)	4.8	(2.9-7.9)	5.4	(3.2-8.8)	-- ^c	-- ^c
Female	4.3	(3.7-5.1)	4.7	(3.9-5.6)	2.7	(1.6-4.5)	-- ^c	-- ^c	-- ^c	-- ^c
Education										
High school graduate or less	6.3	(5.3-7.5)	6.5	(5.3-7.9)	4.8	(3.0-7.9)	8.0	(4.6-13.6)	-- ^c	-- ^c
Some college or more	4.0	(3.5-4.7)	4.4	(3.7-5.1)	2.5	(1.4-4.3)	3.2	(1.8-5.5)	-- ^c	-- ^c
Household Income										
< \$35,000	6.5	(5.5-7.7)	7.4	(6.1-8.9)	3.9	(2.4-6.2)	5.8	(3.3-9.9)	-- ^c	-- ^c
\$35,000 +	4.0	(3.3-4.7)	4.0	(3.3-4.8)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c

^a Among all adults, the proportion who reported that they currently use e-cigarettes or other electronic vaping products, either every day or on some days.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 15: Current Hookah Use^a by Race-Ethnicity
2016 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	4.1	(3.4-5.0)	3.7	(2.9-4.7)	6.3	(4.0-9.7)	5.1	(2.8-9.1)	-- ^c	-- ^c
Age										
18 - 49	6.1	(4.8-7.7)	5.7	(4.2-7.5)	8.4	(4.8-14.2)	-- ^c	-- ^c	-- ^c	-- ^c
50 +	2.1	(1.5-2.9)	1.9	(1.3-2.8)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Gender										
Male	4.8	(3.7-6.2)	4.1	(3.0-5.6)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Female	3.4	(2.6-4.6)	3.2	(2.3-4.6)	4.6	(2.8-7.7)	-- ^c	-- ^c	-- ^c	-- ^c
Education										
High school graduate or less	5.6	(4.2-7.3)	4.9	(3.5-6.8)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	3.1	(2.4-4.0)	2.9	(2.1-4.0)	5.4	(3.4-8.6)	-- ^c	-- ^c	-- ^c	-- ^c
Household Income										
< \$35,000	6.4	(4.8-8.6)	5.8	(3.9-8.4)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
\$35,000 +	2.6	(1.9-3.5)	2.6	(1.9-3.6)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c

^a Among all adults, the proportion who reported smoking tobacco using a hookah, narghile, or water pipe on one or more days during the previous thirty days.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 16: Any Alcohol Consumption^a by Race-Ethnicity
2016 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	57.4	(56.2-58.5)	59.9	(58.6-61.1)	51.4	(47.8-55.1)	46.7	(41.3-52.1)	42.1	(35.5-48.9)
Age										
18 - 49	61.3	(59.4-63.2)	64.8	(62.7-66.8)	56.9	(51.7-62.0)	50.4	(43.3-57.5)	42.6	(34.7-50.8)
50 +	53.2	(51.8-54.6)	55.4	(53.9-56.9)	43.3	(38.6-48.2)	39.0	(31.7-46.8)	40.7	(29.6-52.8)
Gender										
Male	62.2	(60.4-63.8)	64.9	(63.1-66.7)	54.6	(48.7-60.4)	48.0	(40.8-55.3)	51.2	(41.1-61.2)
Female	52.9	(51.3-54.5)	55.2	(53.4-56.9)	48.6	(44.0-53.2)	45.6	(37.9-53.6)	34.4	(26.4-43.4)
Education										
High school graduate or less	45.7	(43.6-47.7)	47.5	(45.2-49.8)	43.7	(38.2-49.4)	43.6	(34.2-53.5)	29.8	(22.1-39.0)
Some college or more	65.4	(64.0-66.7)	67.7	(66.3-69.1)	59.1	(54.6-63.5)	48.3	(42.0-54.8)	59.9	(50.5-68.7)
Household Income										
< \$35,000	45.7	(43.6-47.9)	45.5	(43.0-48.0)	50.7	(45.5-55.8)	42.5	(34.0-51.5)	34.7	(25.9-44.6)
\$35,000 +	68.0	(66.4-69.4)	70.4	(68.8-71.9)	56.5	(50.2-62.7)	56.8	(49.1-64.2)	52.5	(41.5-63.1)

^a The proportion who reported consuming at least one drink of any alcoholic beverage in the previous month.
^b Michigan estimates include all racial groups.

Due to significant BRFSS methodology changes that took place in 2011, the estimates within these tables should not be compared to Michigan BRFSS estimates from prior to 2011.

**Table 17: Heavy Drinking^a by Race-Ethnicity
2016 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	7.0	(6.4-7.6)	7.5	(6.9-8.3)	3.5	(2.3-5.3)	6.0	(3.7-9.5)	7.8	(4.9-12.2)
Age										
18 - 49	8.1	(7.1-9.2)	8.8	(7.6-10.1)	4.3	(2.5-7.2)	7.3	(4.2-12.5)	9.6	(5.9-15.4)
50 +	5.8	(5.2-6.5)	6.4	(5.7-7.2)	2.4	(1.4-4.0)	-- ^c	-- ^c	-- ^c	-- ^c
Gender										
Male	7.4	(6.5-8.4)	8.1	(7.1-9.3)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Female	6.5	(5.8-7.4)	7.0	(6.1-8.0)	3.9	(2.2-6.7)	-- ^c	-- ^c	-- ^c	-- ^c
Education										
High school graduate or less	6.5	(5.5-7.6)	6.8	(5.8-8.1)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	7.3	(6.6-8.1)	8.0	(7.1-8.9)	3.5	(2.1-5.7)	-- ^c	-- ^c	7.8	(4.3-13.7)
Household Income										
< \$35,000	6.0	(5.1-7.1)	6.2	(5.1-7.5)	4.3	(2.4-7.5)	-- ^c	-- ^c	-- ^c	-- ^c
\$35,000 +	8.2	(7.3-9.2)	8.8	(7.9-9.9)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c

^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.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 18: Binge Drinking^a by Race-Ethnicity
2016 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	19.1	(18.1-20.1)	20.1	(19.0-21.2)	14.9	(12.4-17.9)	14.3	(11.1-18.4)	19.6	(14.8-25.4)
Age										
18 - 49	26.3	(24.7-28.0)	29.3	(27.3-31.3)	17.6	(13.9-22.1)	16.6	(12.2-22.2)	22.8	(16.8-30.2)
50 +	11.5	(10.6-12.5)	11.7	(10.7-12.7)	11.1	(8.4-14.7)	9.8	(6.2-15.1)	-- ^c	-- ^c
Gender										
Male	23.9	(22.4-25.5)	25.4	(23.7-27.2)	16.9	(13.0-21.8)	16.3	(12.0-21.8)	25.4	(17.8-34.9)
Female	14.5	(13.4-15.8)	14.9	(13.6-16.3)	13.3	(10.3-17.0)	12.0	(7.6-18.4)	14.5	(9.3-22.1)
Education										
High school graduate or less	17.0	(15.4-18.7)	17.5	(15.7-19.5)	14.1	(10.5-18.8)	18.0	(12.0-26.1)	17.5	(11.5-25.9)
Some college or more	20.4	(19.2-21.6)	21.5	(20.2-22.9)	15.8	(12.6-19.8)	12.6	(8.9-17.4)	22.2	(15.5-30.7)
Household Income										
< \$35,000	17.3	(15.6-19.1)	17.5	(15.5-19.7)	16.4	(12.7-21.0)	16.1	(10.5-23.8)	19.0	(12.4-27.9)
\$35,000 +	22.3	(21.0-23.7)	23.4	(21.9-24.9)	14.3	(10.6-19.1)	17.7	(12.5-24.3)	22.6	(15.0-32.4)

^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.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 19: Drove Motor Vehicle After Drinking^a by Race-Ethnicity
2016 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	3.6	(3.0-4.4)	3.5	(2.8-4.3)	3.4	(2.0-5.7)	5.0	(2.5-9.8)	-- ^c	-- ^c
Age										
18 - 49	4.5	(3.5-5.7)	4.5	(3.4-5.9)	2.5	(1.2-5.2)	-- ^c	-- ^c	-- ^c	-- ^c
50 +	2.6	(2.1-3.3)	2.4	(1.9-3.1)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Gender										
Male	5.1	(4.1-6.4)	5.1	(4.0-6.5)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Female	2.1	(1.5-2.8)	1.6	(1.1-2.4)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Education										
High school graduate or less	4.7	(3.4-6.4)	4.5	(3.1-6.6)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	3.2	(2.6-3.9)	3.0	(2.4-3.8)	4.6	(2.6-8.0)	-- ^c	-- ^c	-- ^c	-- ^c
Household Income										
< \$35,000	3.9	(2.8-5.4)	3.3	(2.2-5.1)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
\$35,000 +	3.8	(3.1-4.7)	3.7	(2.9-4.6)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c

^a Among adults who reporting drinking any alcohol within the past 30 days, the proportion who reported driving after having too much to drink at least once in the previous month.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 20: Seatbelt Use^a by Race-Ethnicity
2016 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	88.9	(88.1-89.7)	89.5	(88.6-90.4)	88.4	(85.8-90.6)	86.8	(82.5-90.1)	81.8	(75.1-87.0)
Age										
18 - 49	85.7	(84.3-87.1)	86.3	(84.6-87.8)	86.0	(82.0-89.2)	84.9	(78.9-89.4)	79.2	(70.9-85.7)
50 +	92.3	(91.5-93.0)	92.5	(91.7-93.3)	91.8	(88.6-94.2)	90.5	(85.4-94.0)	-- ^c	-- ^c
Gender										
Male	84.7	(83.3-86.0)	85.4	(83.9-86.8)	84.4	(80.0-88.0)	82.0	(75.2-87.3)	76.4	(65.7-84.5)
Female	92.8	(91.8-93.7)	93.4	(92.4-94.3)	91.6	(88.3-94.1)	92.0	(86.9-95.2)	86.6	(77.9-92.3)
Education										
High school graduate or less	86.6	(84.9-88.0)	87.1	(85.3-88.8)	88.3	(84.0-91.5)	85.9	(78.6-90.9)	75.6	(65.5-83.6)
Some college or more	90.5	(89.6-91.4)	91.0	(90.1-91.9)	88.4	(85.0-91.1)	87.5	(82.1-91.5)	90.7	(84.5-94.6)
Household Income										
< \$35,000	86.2	(84.5-87.8)	87.8	(85.9-89.4)	85.5	(81.3-88.9)	82.3	(73.4-88.6)	73.5	(62.1-82.4)
\$35,000 +	90.5	(89.4-91.4)	90.4	(89.3-91.4)	92.0	(88.3-94.6)	90.9	(85.7-94.3)	-- ^c	-- ^c

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

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 21: No Routine Checkup in Past Year^a by Race-Ethnicity
2016 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	26.9	(25.9-28.0)	27.3	(26.1-28.5)	19.7	(16.9-22.8)	31.1	(26.4-36.2)	38.1	(31.4-45.3)
Age										
18 - 49	35.6	(33.9-37.4)	37.1	(35.0-39.2)	24.8	(20.7-29.5)	38.3	(31.9-45.2)	43.1	(34.9-51.7)
50 +	17.7	(16.6-18.8)	18.3	(17.1-19.5)	12.0	(9.1-15.6)	17.1	(12.2-23.3)	24.3	(15.1-36.7)
Gender										
Male	30.6	(29.0-32.2)	30.6	(28.9-32.4)	24.2	(19.7-29.5)	34.2	(27.9-41.1)	43.1	(33.7-53.1)
Female	23.4	(22.1-24.9)	24.0	(22.4-25.5)	15.8	(12.6-19.5)	28.3	(21.7-36.0)	33.8	(24.7-44.2)
Education										
High school graduate or less	27.4	(25.6-29.3)	28.1	(26.0-30.2)	18.8	(14.7-23.7)	25.0	(18.0-33.6)	43.5	(33.8-53.7)
Some college or more	26.6	(25.3-27.8)	26.7	(25.4-28.1)	20.4	(16.9-24.4)	34.1	(28.3-40.4)	30.7	(23.0-39.6)
Household Income										
< \$35,000	28.8	(26.8-30.8)	29.1	(26.8-31.5)	22.1	(17.9-26.9)	30.4	(23.2-38.7)	46.5	(36.2-57.0)
\$35,000 +	26.1	(24.7-27.6)	26.8	(25.3-28.4)	15.3	(11.5-20.1)	31.2	(24.2-39.1)	30.2	(21.0-41.4)

^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 22: Mammography in the Past Two Years among Women Aged 40 and Older^a by Race-Ethnicity
2016 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	70.5	(68.9-72.0)	70.6	(68.9-72.3)	70.8	(65.8-75.3)	68.1	(59.1-75.9)	68.0	(55.4-78.5)
Education										
High school graduate or less	65.6	(62.8-68.3)	64.8	(61.7-67.7)	67.5	(59.2-74.8)	69.3	(51.7-82.6)	-- ^c	-- ^c
Some college or more	73.9	(72.0-75.7)	74.7	(72.7-76.6)	73.3	(67.1-78.7)	67.6	(57.0-76.7)	63.9	(47.7-77.5)
Household Income										
< \$35,000	65.0	(62.0-67.8)	63.7	(60.3-66.9)	67.5	(60.1-74.1)	67.5	(54.8-78.0)	-- ^c	-- ^c
\$35,000 +	75.3	(73.1-77.4)	76.0	(73.7-78.2)	78.4	(70.4-84.7)	64.4	(49.9-76.7)	62.1	(43.1-77.9)

^a Among women aged 40 years and older, the proportion who reported having a mammogram within the past two years.
^b Michigan estimates include all racial groups.
^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Due to significant BRFSS methodology changes that took place in 2011, the estimates within these tables should not be compared to Michigan BRFSS estimates from prior to 2011.

**Table 23: Appropriate Timed Pap Test among Women Aged 18 and Older^a by Race-Ethnicity
2016 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	72.6	(70.8-74.4)	73.5	(71.5-75.4)	74.9	(69.2-79.9)	61.7	(52.1-70.4)	63.5	(52.8-73.0)
Age										
18 - 49	73.3	(70.5-75.8)	75.8	(72.6-78.7)	72.7	(65.1-79.1)	56.7	(45.3-67.5)	62.2	(49.5-73.4)
50 +	71.7	(69.5-73.8)	70.7	(68.4-73.0)	79.6	(71.5-85.9)	75.0	(59.4-86.0)	68.1	(48.7-82.7)
Education										
High school graduate or less	64.0	(60.5-67.4)	63.6	(59.6-67.3)	70.8	(60.9-79.0)	56.2	(36.6-74.1)	57.8	(42.4-71.8)
Some college or more	77.4	(75.4-79.3)	78.7	(76.5-80.7)	77.8	(71.1-83.4)	62.7	(51.8-72.4)	71.1	(58.2-81.3)
Household Income										
< \$35,000	66.5	(63.1-69.6)	66.2	(62.3-69.9)	76.4	(68.5-82.8)	51.8	(38.0-65.3)	47.6	(32.0-63.7)
\$35,000 +	79.3	(76.9-81.6)	79.7	(77.1-82.1)	80.6	(70.6-87.8)	66.3	(51.2-78.6)	-- ^c	-- ^c

^a Among women aged 18 years and older, the proportion who reported having a Pat test within the previous three years.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 24: Prostate-Specific Antigen (PSA) Test Within the Past Year among Men Aged 50 and Older^a by Race-Ethnicity
2016 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	41.2	(39.1-43.4)	42.6	(40.4-45.0)	35.3	(27.8-43.6)	29.6	(21.1-39.9)	34.2	(19.0-53.6)
Education										
High school graduate or less	32.8	(29.3-36.6)	33.3	(29.5-37.3)	33.2	(22.7-45.8)	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	47.5	(44.8-50.1)	49.0	(46.2-51.7)	37.8	(28.0-48.7)	39.7	(27.3-53.7)	-- ^c	-- ^c
Household Income										
< \$35,000	29.5	(25.6-33.7)	32.0	(27.6-36.7)	23.2	(14.6-34.8)	-- ^c	-- ^c	-- ^c	-- ^c
\$35,000 +	47.2	(44.5-50.0)	47.8	(45.0-50.7)	46.9	(35.0-59.1)	36.6	(23.8-51.7)	-- ^c	-- ^c

^a Among men aged 50 years and older, the proportion who reported having a PSA test within the past year.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 25: Appropriate Colorectal Cancer Screening among Adults Aged 50 and Older^a by Race-Ethnicity
2016 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	69.8	(68.4-71.2)	70.7	(69.2-72.1)	65.8	(60.8-70.4)	63.8	(55.8-71.2)	66.0	(52.1-77.6)
Gender										
Male	69.6	(67.4-71.6)	71.5	(69.3-73.6)	61.1	(52.6-69.0)	55.1	(44.1-65.5)	56.9	(36.9-74.9)
Female	70.0	(68.2-71.8)	70.0	(68.0-71.9)	69.4	(63.4-74.7)	71.8	(60.6-80.8)	-- ^c	-- ^c
Education										
High school graduate or less	63.3	(60.9-65.7)	64.2	(61.6-66.7)	59.6	(51.6-67.1)	58.2	(44.5-70.8)	58.7	(38.4-76.3)
Some college or more	74.7	(73.1-76.2)	75.3	(73.6-76.9)	71.5	(65.4-76.9)	67.4	(57.5-76.0)	73.9	(56.7-85.9)
Household Income										
< \$35,000	61.5	(58.8-64.1)	62.3	(59.4-65.2)	59.9	(52.6-66.8)	58.1	(45.6-69.7)	53.1	(33.4-71.9)
\$35,000 +	74.8	(73.0-76.5)	75.2	(73.3-76.9)	74.1	(66.0-80.7)	65.7	(53.5-76.2)	-- ^c	-- ^c

^a Among those aged 50 years and older, the proportion who had either a fecal occult blood test within the past year, a sigmoidoscopy within the past five years, or a colonoscopy within the past ten years.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 26: No Dental Visit in the Past Year^a by Race-Ethnicity
2016 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	29.9	(28.8-31.0)	28.3	(27.1-29.5)	26.1	(24.8-27.5)	35.0	(30.1-40.3)	33.5	(27.1-40.6)
Age										
18 - 49	32.3	(30.6-34.1)	30.7	(28.8-32.7)	36.5	(31.7-41.5)	35.8	(29.4-42.9)	37.5	(29.5-46.2)
50 +	27.4	(26.1-28.7)	26.1	(24.8-27.5)	36.5	(32.0-41.2)	33.3	(26.7-40.7)	22.3	(14.1-33.5)
Gender										
Male	33.8	(32.1-35.4)	31.6	(29.9-33.4)	42.8	(37.2-48.5)	39.0	(32.0-46.4)	40.9	(31.4-51.1)
Female	26.3	(24.9-27.7)	25.0	(23.5-26.6)	30.9	(26.9-35.2)	31.4	(24.9-38.8)	27.7	(19.7-37.6)
Education										
High school graduate or less	39.5	(37.5-41.5)	38.8	(36.7-41.0)	41.6	(36.3-47.2)	41.0	(32.1-50.5)	41.1	(31.6-51.4)
Some college or more	23.3	(22.1-24.5)	21.4	(20.2-22.8)	31.3	(27.2-35.6)	32.7	(26.9-39.1)	23.4	(16.9-31.4)
Household Income										
< \$35,000	45.2	(43.0-47.3)	43.7	(41.3-46.2)	48.2	(43.1-53.3)	50.4	(41.2-59.7)	47.2	(36.7-57.8)
\$35,000 +	20.4	(19.1-21.8)	20.2	(18.8-21.7)	21.0	(16.5-26.3)	23.2	(17.1-30.6)	20.1	(13.2-29.3)

^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 27: Had Flu Vaccine in Past Year among Adults 65 Years and Older^a by Race-Ethnicity
2016 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	56.2	(54.2-58.1)	58.5	(56.4-60.5)	38.9	(32.2-46.0)	48.9	(35.2-62.7)	44.1	(24.6-65.7)
Gender										
Male	55.5	(52.4-58.5)	57.2	(54.0-60.3)	43.4	(31.7-56.0)	53.7	(35.6-70.8)	-- ^c	-- ^c
Female	56.7	(54.1-59.3)	59.5	(56.8-62.2)	36.0	(28.4-44.4)	46.3	(29.2-64.4)	-- ^c	-- ^c
Education										
High school graduate or less	55.6	(52.4-58.8)	58.3	(54.9-61.7)	40.3	(30.6-50.7)	50.3	(27.6-73.0)	-- ^c	-- ^c
Some college or more	56.7	(54.3-59.1)	58.7	(56.2-61.2)	36.7	(28.2-46.2)	47.5	(33.6-61.9)	-- ^c	-- ^c
Household Income										
< \$35,000	53.1	(49.6-56.5)	55.8	(52.0-59.5)	38.6	(29.2-48.9)	41.8	(26.3-59.1)	46.0	(23.2-70.6)
\$35,000 +	58.6	(55.7-61.3)	60.8	(57.9-63.7)	39.0	(28.4-50.8)	47.5	(29.2-66.5)	-- ^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 Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 28: Ever Had Pneumonia Vaccine among Adults 65 Years and Older^a by Race-Ethnicity
2016 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	72.0	(70.2-73.8)	74.5	(72.6-76.3)	53.5	(46.2-60.8)	63.2	(51.2-73.8)	56.6	(35.0-76.0)
Gender										
Male	69.6	(66.6-72.4)	72.0	(69.0-74.8)	50.5	(38.1-62.9)	70.5	(51.6-84.2)	-- ^c	-- ^c
Female	73.9	(71.5-76.2)	76.4	(74.0-78.7)	55.5	(46.5-64.1)	56.0	(40.7-70.2)	-- ^c	-- ^c
Education										
High school graduate or less	72.6	(69.5-75.4)	76.3	(73.3-79.2)	47.7	(37.4-58.1)	62.8	(42.6-79.3)	-- ^c	-- ^c
Some college or more	71.5	(69.2-73.7)	72.9	(70.5-75.2)	60.7	(50.7-69.8)	63.5	(48.9-76.0)	-- ^c	-- ^c
Household Income										
< \$35,000	71.3	(67.9-74.4)	75.1	(71.6-78.2)	53.5	(43.0-63.6)	-- ^c	-- ^c	-- ^c	-- ^c
\$35,000 +	72.2	(69.5-74.7)	74.1	(71.4-76.7)	53.4	(41.2-65.1)	-- ^c	-- ^c	-- ^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 Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 29: Ever Had an HIV Test among Adults 18 – 64 Years of Age^a by Race-Ethnicity
2016 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	41.4	(40.0-42.8)	37.1	(35.5-38.6)	65.6	(61.5-69.5)	38.3	(32.9-44.1)	42.8	(35.6-50.3)
Age										
18 - 49	46.9	(45.0-48.8)	42.8	(40.7-45.0)	71.5	(66.3-76.1)	34.9	(28.6-41.7)	46.2	(37.8-54.8)
50 - 64	30.9	(29.0-32.9)	27.4	(25.4-29.4)	50.7	(43.9-57.4)	48.0	(38.4-57.8)	29.4	(18.4-43.4)
Gender										
Male	37.3	(35.2-39.3)	33.1	(31.0-35.3)	60.2	(53.6-66.4)	33.8	(26.9-41.5)	43.5	(33.1-54.5)
Female	45.2	(43.2-47.1)	40.8	(38.6-43.0)	70.1	(64.9-74.8)	42.8	(34.8-51.2)	42.6	(33.0-52.7)
Education										
High school graduate or less	39.3	(36.9-41.9)	34.1	(31.3-36.9)	61.4	(54.6-67.8)	47.1	(36.9-57.6)	35.8	(26.3-46.7)
Some college or more	42.5	(40.8-44.1)	38.6	(36.8-40.4)	68.9	(64.0-73.4)	34.8	(28.6-41.5)	52.9	(43.4-62.2)
Household Income										
< \$35,000	49.1	(46.4-51.8)	44.2	(41.0-47.5)	67.3	(61.5-72.5)	43.5	(34.2-53.3)	44.7	(33.9-56.1)
\$35,000 +	38.4	(36.6-40.2)	35.2	(33.3-37.1)	62.3	(54.8-69.3)	39.8	(31.9-48.2)	47.9	(36.8-59.1)

^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.

**Table 30: Lifetime Asthma Prevalence - Adult^a by Race-Ethnicity
2016 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	16.3	(15.5-17.2)	15.9	(14.9-16.9)	21.2	(18.4-24.3)	14.0	(11.2-17.4)	12.3	(8.5-17.4)
Age										
18 - 49	18.8	(17.3-20.2)	18.5	(16.9-20.3)	24.3	(20.3-28.9)	13.7	(10.2-18.1)	12.9	(8.3-19.4)
50 +	13.7	(12.8-14.8)	13.4	(12.4-14.5)	16.4	(13.2-20.3)	14.7	(10.4-20.3)	-- ^c	-- ^c
Gender										
Male	14.7	(13.5-16.0)	14.0	(12.7-15.4)	20.6	(16.3-25.7)	11.8	(8.5-16.2)	14.0	(8.0-23.3)
Female	17.8	(16.6-19.1)	17.7	(16.3-19.1)	21.3	(17.9-25.2)	16.3	(12.0-21.7)	10.6	(6.6-16.6)
Education										
High school graduate or less	18.4	(16.9-20.1)	17.9	(16.2-19.8)	22.3	(18.0-27.3)	21.1	(15.0-28.7)	13.2	(7.9-21.2)
Some college or more	14.8	(13.9-15.9)	14.6	(13.5-15.7)	19.7	(16.3-23.6)	11.1	(8.2-14.9)	10.8	(6.6-17.2)
Household Income										
< \$35,000	21.1	(19.3-22.9)	20.3	(18.3-22.5)	25.6	(21.4-30.3)	21.6	(15.8-28.8)	14.5	(8.6-23.2)
\$35,000 +	13.2	(12.2-14.4)	13.3	(12.2-14.5)	15.5	(11.4-20.7)	10.6	(7.1-15.6)	-- ^c	-- ^c

^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.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 31: Current Asthma Prevalence - Adult^a by Race-Ethnicity
2016 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	11.0	(10.2-11.7)	10.7	(9.9-11.5)	14.6	(12.2-17.3)	9.2	(7.0-12.1)	6.7	(3.8-11.4)
Age										
18 - 49	11.9	(10.7-13.1)	11.9	(10.6-13.4)	16.0	(12.7-20.0)	7.9	(5.3-11.4)	-- ^c	-- ^c
50 +	10.0	(9.2-10.9)	9.6	(8.7-10.5)	12.5	(9.6-16.0)	12.0	(8.2-17.2)	-- ^c	-- ^c
Gender										
Male	8.4	(7.4-9.4)	8.0	(7.0-9.1)	12.2	(8.7-16.7)	6.2	(3.9-9.7)	-- ^c	-- ^c
Female	13.3	(12.3-14.5)	13.2	(12.0-14.5)	16.4	(13.4-19.9)	12.5	(8.9-17.2)	6.5	(3.6-11.5)
Education										
High school graduate or less	12.8	(11.5-14.2)	12.3	(10.9-14.0)	16.2	(12.6-20.6)	14.2	(9.6-20.6)	-- ^c	-- ^c
Some college or more	9.7	(8.9-10.5)	9.6	(8.7-10.6)	12.7	(9.9-16.2)	7.2	(4.9-10.4)	-- ^c	-- ^c
Household Income										
< \$35,000	15.2	(13.7-16.9)	14.7	(12.9-16.6)	18.6	(14.9-22.9)	16.1	(11.2-22.5)	-- ^c	-- ^c
\$35,000 +	8.1	(7.3-9.0)	8.3	(7.4-9.3)	8.9	(5.9-13.2)	5.4	(3.1-9.1)	-- ^c	-- ^c

^a The proportion who reported that they still had asthma.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 32: Ever Told Chronic Obstructive Pulmonary Disease (COPD)^a by Race-Ethnicity
2016 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	8.9	(8.2-9.5)	9.1	(8.3-9.8)	9.9	(8.1-12.0)	7.9	(6.0-10.2)	-- ^c	-- ^c
Age										
18 - 49	4.9	(4.1-5.9)	4.9	(4.0-6.1)	6.4	(4.5-9.0)	5.0	(3.2-7.8)	-- ^c	-- ^c
50 +	13.1	(12.1-14.1)	12.9	(11.9-14.0)	15.2	(12.2-18.8)	13.7	(10.0-18.4)	-- ^c	-- ^c
Gender										
Male	7.8	(7.0-8.7)	8.1	(7.1-9.1)	8.0	(5.6-11.4)	6.7	(4.5-10.0)	-- ^c	-- ^c
Female	9.9	(9.0-10.9)	10.0	(9.0-11.2)	11.7	(9.4-14.6)	9.1	(6.4-12.7)	-- ^c	-- ^c
Education										
High school graduate or less	13.1	(11.8-14.5)	14.3	(12.8-16.0)	10.4	(7.8-13.7)	15.1	(10.4-21.5)	-- ^c	-- ^c
Some college or more	6.0	(5.4-6.6)	5.7	(5.1-6.3)	9.7	(7.5-12.5)	5.0	(3.5-7.1)	-- ^c	-- ^c
Household Income										
< \$35,000	14.6	(13.1-16.1)	15.6	(13.9-17.6)	13.5	(10.7-17.0)	13.7	(9.6-19.3)	-- ^c	-- ^c
\$35,000 +	5.0	(4.4-5.7)	5.1	(4.5-5.9)	6.5	(4.2-9.9)	3.5	(2.1-5.9)	-- ^c	-- ^c

^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.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 33: Ever Told Arthritis^a by Race-Ethnicity
2016 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	(31.0-33.0)	33.5	(32.4-34.7)	30.3	(27.3-33.5)	23.8	(20.2-27.9)	18.5	(14.0-23.9)
Age										
18 - 49	14.6	(13.3-15.9)	15.5	(14.0-17.0)	14.2	(11.1-18.0)	9.8	(7.1-13.5)	9.6	(5.9-15.2)
50 +	50.6	(49.2-52.0)	50.3	(48.8-51.7)	54.4	(49.6-59.1)	51.8	(44.2-59.3)	43.5	(32.3-55.3)
Gender										
Male	28.0	(26.6-29.5)	30.2	(28.6-31.9)	22.3	(18.1-27.2)	19.2	(15.0-24.4)	14.0	(9.0-21.1)
Female	35.8	(34.3-37.2)	36.7	(35.2-38.4)	36.9	(32.8-41.1)	28.5	(22.8-34.9)	22.6	(16.0-31.1)
Education										
High school graduate or less	37.1	(35.3-39.0)	39.5	(37.4-41.6)	32.6	(27.9-37.8)	37.6	(29.3-46.8)	19.4	(13.4-27.4)
Some college or more	28.5	(27.4-29.7)	29.9	(28.6-31.2)	27.7	(24.0-31.6)	18.0	(14.5-22.1)	17.4	(11.7-25.0)
Household Income										
< \$35,000	38.1	(36.2-40.1)	41.7	(39.4-44.1)	34.6	(30.2-39.4)	29.6	(22.9-37.2)	15.6	(10.2-23.0)
\$35,000 +	27.3	(26.0-28.6)	27.8	(26.5-29.3)	27.3	(22.3-32.9)	21.3	(16.2-27.3)	21.7	(14.3-31.4)

^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.

**Table 34: Ever Told Heart Attack^a by Race-Ethnicity
2016 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	5.0	(4.5-5.5)	5.4	(4.9-6.0)	4.0	(3.0-5.4)	3.3	(2.2-5.0)	-- ^c	-- ^c
Age										
18 - 49	1.6	(1.2-2.1)	1.8	(1.3-2.5)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
50 +	8.7	(7.9-9.5)	8.7	(7.9-9.7)	8.8	(6.4-11.9)	7.0	(4.6-10.6)	-- ^c	-- ^c
Gender										
Male	6.6	(5.9-7.4)	7.1	(6.3-8.0)	5.9	(3.9-8.7)	4.0	(2.2-7.1)	-- ^c	-- ^c
Female	3.4	(2.9-4.0)	3.8	(3.2-4.5)	2.5	(1.6-3.8)	2.6	(1.6-4.4)	-- ^c	-- ^c
Education										
High school graduate or less	7.0	(6.2-8.0)	7.7	(6.7-8.9)	5.6	(3.8-8.3)	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	3.5	(3.1-4.0)	3.9	(3.4-4.4)	2.6	(1.6-3.9)	2.1	(1.2-3.6)	-- ^c	-- ^c
Household Income										
< \$35,000	7.1	(6.2-8.2)	8.3	(7.1-9.7)	5.1	(3.4-7.4)	5.6	(3.2-9.7)	-- ^c	-- ^c
\$35,000 +	3.5	(3.0-4.0)	3.8	(3.2-4.4)	2.7	(1.5-4.8)	-- ^c	-- ^c	-- ^c	-- ^c

^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.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 35: Ever Told Angina or Coronary Heart Disease^a by Race-Ethnicity
2016 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	5.2	(4.7-5.6)	5.6	(5.1-6.2)	4.0	(3.0-5.3)	3.5	(2.4-5.0)	-- ^c	-- ^c
Age										
18 - 49	1.2	(0.9-1.7)	1.2	(0.8-1.7)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
50 +	9.4	(8.7-10.3)	9.8	(8.9-10.7)	7.7	(5.6-10.6)	9.6	(6.5-13.8)	-- ^c	-- ^c
Gender										
Male	6.6	(5.9-7.4)	7.2	(6.4-8.1)	4.7	(3.0-7.3)	4.3	(2.6-6.9)	-- ^c	-- ^c
Female	3.8	(3.3-4.4)	4.1	(3.5-4.7)	3.5	(2.4-5.0)	2.6	(1.5-4.3)	-- ^c	-- ^c
Education										
High school graduate or less	6.6	(5.8-7.6)	7.4	(6.4-8.5)	4.9	(3.2-7.4)	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	4.1	(3.7-4.6)	4.4	(4.0-5.0)	3.2	(2.1-4.7)	2.9	(1.9-4.4)	-- ^c	-- ^c
Household Income										
< \$35,000	7.1	(6.2-8.1)	8.3	(7.1-9.6)	5.3	(3.7-7.6)	4.5	(2.7-7.3)	-- ^c	-- ^c
\$35,000 +	3.9	(3.4-4.5)	4.2	(3.7-4.9)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c

^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.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 36: Ever Told Stroke^a by Race-Ethnicity
2016 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	3.5	(3.1-3.9)	3.3	(2.9-3.8)	5.1	(4.0-6.6)	3.1	(2.1-4.4)	-- ^c	-- ^c
Age										
18 - 49	1.2	(0.9-1.6)	1.0	(0.7-1.5)	2.3	(1.3-4.0)	-- ^c	-- ^c	-- ^c	-- ^c
50 +	6.0	(5.3-6.7)	5.5	(4.8-6.3)	9.4	(7.1-12.3)	6.4	(4.2-9.7)	-- ^c	-- ^c
Gender										
Male	3.2	(2.7-3.8)	3.2	(2.7-3.9)	4.2	(2.7-6.6)	2.4	(1.4-4.2)	-- ^c	-- ^c
Female	3.7	(3.3-4.3)	3.4	(2.9-4.1)	6.1	(4.5-8.2)	3.9	(2.4-6.3)	-- ^c	-- ^c
Education										
High school graduate or less	4.9	(4.2-5.8)	5.0	(4.1-6.0)	6.4	(4.5-9.0)	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	2.5	(2.2-2.9)	2.3	(1.9-2.7)	4.1	(2.8-6.0)	3.0	(1.9-4.6)	-- ^c	-- ^c
Household Income										
< \$35,000	5.6	(4.8-6.5)	5.0	(4.1-6.1)	8.3	(6.2-11.1)	5.9	(3.7-9.4)	-- ^c	-- ^c
\$35,000 +	2.0	(1.7-2.4)	2.2	(1.8-2.7)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c

^a The proportion who had ever been told by a doctor that they had a stroke.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 37: Ever Told Any Cardiovascular Disease^a by Race-Ethnicity
2016 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	(9.3-10.5)	10.4	(9.7-11.1)	9.4	(7.8-11.4)	7.7	(5.9-10.0)	4.4	(2.4-7.9)
Age										
18 - 49	3.1	(2.5-3.7)	3.1	(2.5-4.0)	3.4	(2.1-5.3)	-- ^c	-- ^c	-- ^c	-- ^c
50 +	17.2	(16.1-18.2)	17.1	(16.0-18.2)	18.6	(15.3-22.5)	17.9	(13.6-23.2)	-- ^c	-- ^c
Gender										
Male	11.4	(10.5-12.4)	12.2	(11.2-13.4)	9.4	(6.9-12.6)	8.8	(6.0-12.6)	-- ^c	-- ^c
Female	8.4	(7.6-9.2)	8.5	(7.7-9.4)	9.6	(7.6-12.1)	6.6	(4.6-9.3)	-- ^c	-- ^c
Education										
High school graduate or less	13.2	(12.0-14.5)	14.1	(12.8-15.6)	12.1	(9.4-15.4)	11.1	(7.0-17.0)	-- ^c	-- ^c
Some college or more	7.5	(6.9-8.1)	7.9	(7.2-8.6)	7.0	(5.3-9.2)	6.1	(4.4-8.4)	-- ^c	-- ^c
Household Income										
< \$35,000	13.9	(12.6-15.2)	15.1	(13.5-16.8)	13.4	(10.7-16.7)	11.6	(8.0-16.5)	-- ^c	-- ^c
\$35,000 +	6.9	(6.2-7.6)	7.4	(6.7-8.2)	4.4	(2.9-6.8)	4.5	(2.8-7.2)	-- ^c	-- ^c

^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.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 38: Ever Told Skin Cancer^a by Race-Ethnicity
2016 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	5.9	(5.4-6.3)	7.3	(6.8-7.9)	-- ^c	-- ^c	2.5	(1.5-4.2)	-- ^c	-- ^c
Age										
18 - 49	1.0	(0.7-1.4)	1.3	(0.9-1.8)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
50 +	11.1	(10.3-11.9)	12.9	(12.0-13.9)	-- ^c	-- ^c	6.2	(3.4-10.9)	-- ^c	-- ^c
Gender										
Male	6.0	(5.4-6.7)	7.4	(6.6-8.3)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Female	5.7	(5.1-6.3)	7.2	(6.5-7.9)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Education										
High school graduate or less	5.1	(4.4-5.9)	6.6	(5.7-7.6)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	6.3	(5.8-6.9)	7.7	(7.1-8.4)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Household Income										
< \$35,000	5.1	(4.4-5.9)	7.0	(6.0-8.1)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
\$35,000 +	6.2	(5.6-6.8)	7.3	(6.6-8.1)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c

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

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 39: Ever Told Any Other Type of Cancer^a by Race-Ethnicity
2016 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	8.3	(7.8-8.9)	9.0	(8.4-9.7)	7.1	(5.7-8.7)	4.7	(3.3-6.7)	-- ^c	-- ^c
Age										
18 - 49	2.5	(2.0-3.0)	2.8	(2.2-3.5)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
50 +	14.5	(13.6-15.5)	14.8	(13.8-15.9)	15.1	(12.1-18.7)	10.1	(6.8-14.7)	-- ^c	-- ^c
Gender										
Male	7.2	(6.4-7.9)	7.9	(7.0-8.8)	6.1	(4.3-8.6)	-- ^c	-- ^c	-- ^c	-- ^c
Female	9.4	(8.6-10.2)	10.2	(9.3-11.2)	7.8	(6.0-10.1)	6.4	(4.2-9.8)	-- ^c	-- ^c
Education										
High school graduate or less	8.6	(7.7-9.6)	9.8	(8.7-11.0)	6.2	(4.4-8.7)	7.7	(4.5-12.8)	-- ^c	-- ^c
Some college or more	8.1	(7.4-8.8)	8.6	(7.9-9.4)	7.8	(5.9-10.1)	3.6	(2.3-5.6)	-- ^c	-- ^c
Household Income										
< \$35,000	10.0	(8.9-11.1)	11.3	(10.0-12.8)	8.1	(6.1-10.7)	7.6	(4.8-11.9)	-- ^c	-- ^c
\$35,000 +	7.4	(6.7-8.1)	7.9	(7.1-8.7)	6.1	(4.1-8.9)	-- ^c	-- ^c	-- ^c	-- ^c

^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.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 40: Ever Told Cancer^a by Race-Ethnicity
2016 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	12.8	(12.1-13.5)	14.7	(13.9-15.5)	7.2	(5.8-8.9)	6.8	(5.0-9.1)	-- ^c	-- ^c
Age										
18 - 49	3.4	(2.8-4.0)	4.0	(3.3-4.8)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
50 +	22.9	(21.7-24.0)	24.5	(23.3-25.8)	15.5	(12.5-19.1)	15.1	(10.8-20.9)	-- ^c	-- ^c
Gender										
Male	11.8	(10.9-12.8)	13.6	(12.5-14.8)	6.4	(4.5-9.0)	5.7	(3.6-9.0)	-- ^c	-- ^c
Female	13.7	(12.8-14.7)	15.7	(14.6-16.9)	7.8	(6.0-10.1)	8.0	(5.4-11.8)	-- ^c	-- ^c
Education										
High school graduate or less	12.5	(11.4-13.7)	14.8	(13.5-16.3)	6.5	(4.7-9.0)	10.0	(6.1-16.0)	-- ^c	-- ^c
Some college or more	13.0	(12.2-13.8)	14.6	(13.7-15.6)	7.8	(5.9-10.1)	5.5	(3.8-8.0)	-- ^c	-- ^c
Household Income										
< \$35,000	13.7	(12.5-15.0)	16.4	(14.8-18.1)	8.4	(6.3-11.0)	9.6	(6.2-14.5)	-- ^c	-- ^c
\$35,000 +	12.2	(11.4-13.1)	13.6	(12.6-14.6)	6.1	(4.1-8.9)	5.7	(3.4-9.4)	-- ^c	-- ^c

^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.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 41: Ever Told Diabetes^a by Race-Ethnicity
2016 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	11.1	(10.5-11.8)	11.0	(10.3-11.7)	12.7	(10.7-15.0)	11.0	(8.3-14.5)	9.5	(6.2-14.1)
Age										
18 - 49	4.1	(3.4-4.8)	4.1	(3.4-5.0)	4.1	(2.5-6.4)	4.1	(2.2-7.3)	-- ^c	-- ^c
50 +	18.7	(17.6-19.9)	17.4	(16.2-18.5)	25.6	(21.7-30.0)	25.1	(18.8-32.7)	25.7	(16.5-37.7)
Gender										
Male	12.2	(11.2-13.3)	12.2	(11.1-13.3)	14.6	(11.2-18.7)	8.7	(6.0-12.5)	10.3	(5.9-17.4)
Female	10.2	(9.4-11.1)	9.9	(9.0-10.9)	11.3	(9.2-13.9)	13.5	(9.1-19.5)	9.1	(5.0-16.1)
Education										
High school graduate or less	13.4	(12.2-14.6)	13.9	(12.5-15.4)	12.0	(9.2-15.4)	14.8	(9.1-23.3)	9.6	(5.4-16.7)
Some college or more	9.7	(9.0-10.5)	9.2	(8.4-10.0)	13.5	(10.9-16.7)	9.3	(6.6-12.8)	9.7	(5.6-16.4)
Household Income										
< \$35,000	14.1	(12.8-15.5)	14.6	(13.1-16.3)	13.7	(10.8-17.2)	12.1	(8.0-17.8)	11.1	(6.1-19.6)
\$35,000 +	9.2	(8.4-10.1)	8.9	(8.0-9.8)	12.1	(9.1-15.9)	10.4	(6.9-15.5)	-- ^c	-- ^c

^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.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 42: Ever Told Kidney Disease^a by Race-Ethnicity
2016 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	3.7	(3.3-4.1)	3.6	(3.2-4.1)	4.5	(3.3-6.0)	4.2	(2.8-6.2)	-- ^c	-- ^c
Age										
18 - 49	1.9	(1.5-2.4)	1.8	(1.4-2.5)	2.0	(1.1-3.4)	-- ^c	-- ^c	-- ^c	-- ^c
50 +	5.7	(5.0-6.4)	5.3	(4.6-6.0)	8.3	(5.9-11.6)	7.5	(4.6-12.1)	-- ^c	-- ^c
Gender										
Male	3.1	(2.7-3.7)	3.2	(2.6-3.8)	3.3	(2.0-5.5)	4.2	(2.3-7.4)	-- ^c	-- ^c
Female	4.2	(3.7-4.8)	4.1	(3.5-4.8)	5.4	(3.8-7.7)	4.1	(2.3-7.1)	-- ^c	-- ^c
Education										
High school graduate or less	4.1	(3.4-4.8)	4.2	(3.5-5.1)	4.2	(2.6-6.6)	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	3.4	(3.0-3.9)	3.2	(2.8-3.8)	4.7	(3.2-6.8)	3.9	(2.4-6.3)	-- ^c	-- ^c
Household Income										
< \$35,000	5.4	(4.6-6.3)	5.4	(4.5-6.5)	5.8	(3.9-8.5)	5.5	(3.1-9.5)	-- ^c	-- ^c
\$35,000 +	2.7	(2.3-3.2)	2.7	(2.2-3.2)	4.4	(2.7-6.9)	-- ^c	-- ^c	-- ^c	-- ^c

^a The proportion who reported ever being told by a doctor that they had kidney disease.
^b Michigan estimates include all racial groups.
^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 43: Ever Told Depression^a by Race-Ethnicity
2016 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	22.2	(21.2-23.2)	22.9	(21.8-24.0)	19.4	(16.8-22.2)	21.0	(17.1-25.4)	18.9	(14.0-25.2)
Age										
18 - 49	23.7	(22.2-25.3)	25.1	(23.3-27.0)	20.4	(16.7-24.6)	19.0	(14.2-25.1)	20.7	(14.5-28.6)
50 +	20.5	(19.4-21.6)	20.8	(19.6-22.1)	17.8	(14.6-21.5)	24.9	(19.3-31.6)	14.1	(8.1-23.5)
Gender										
Male	17.0	(15.6-18.3)	17.2	(15.8-18.8)	15.0	(11.4-19.4)	16.8	(12.1-22.9)	18.6	(11.4-28.8)
Female	26.8	(25.5-28.3)	28.1	(26.5-29.7)	22.8	(19.4-26.7)	24.9	(19.1-31.8)	19.5	(13.3-27.7)
Education										
High school graduate or less	24.8	(23.1-26.5)	25.8	(23.8-27.9)	20.3	(16.5-24.8)	30.5	(22.8-39.4)	20.5	(13.6-29.6)
Some college or more	79.8	(78.6-80.9)	20.9	(19.7-22.2)	18.0	(14.8-21.8)	16.8	(12.6-22.1)	17.1	(11.1-25.4)
Household Income										
< \$35,000	30.2	(28.3-32.2)	32.1	(29.8-34.5)	25.9	(21.9-30.3)	28.7	(21.5-37.1)	23.3	(15.5-33.5)
\$35,000 +	17.8	(16.5-19.0)	18.4	(17.1-19.8)	12.3	(8.7-17.2)	17.6	(12.2-24.7)	15.6	(9.2-25.2)

^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.