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

State of Michigan

Selected Tables

Michigan Behavioral Risk Factor Survey

2019

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

Prepared by: Yan Tian
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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 BRFS data contribute to the national Behavioral Risk Factor Surveillance System that is managed by the PHSB at the CDC.

In 2019, the total sample size of completed interviews for the core survey was 10,518 (land line = 3,541; cell phone = 6,977), which consisted of 8,601 White, non-Hispanics, 869 Black, non-Hispanics, 553 Other/Multiracial, non-Hispanics, and 274 Hispanics. Race/ethnicity was not available for 221 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 2019 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. The sample of cell phone numbers used within the 2019 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 2019 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.

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 2011-2018 and not to Michigan BRFSS estimates from years prior to 2011. Due to methodology changes in 2017, Fruit and Vegetable Module data should not be compared to prior years.

If you have any questions regarding any of the estimates within the following tables, please contact Yan Tian at tiany@michigan.gov.

Table 1: Fair or Poor General Health[a] by Race-Ethnicity 2019 Michigan BRFS									
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	**18.7**	**(17.7-19.8)**	**17.4**	**(16.3-18.5)**	**26.6**	**(23.1-30.4)**	**17.4**	**(12.9-22.9)**	**19.8**	**(14.7-26.3)**
Age										
18 - 49	15.0	(13.5-16.6)	13.4	(11.7-15.2)	21.9	(17.4-27.2)	13.8	(8.7-21.1)	18.8	(13.0-26.5)
50 +	22.6	(21.2-24.0)	21.0	(19.6-22.4)	32.7	(27.5-38.3)	28.4	(20.4-38.1)	23.6	(14.0-37.0)
Gender										
Male	17.9	(16.4-19.5)	16.8	(15.2-18.5)	26.0	(20.5-32.4)	13.0	(8.8-18.8)	21.0	(13.6-31.1)
Female	19.4	(18.0-20.9)	17.9	(16.5-19.5)	27.0	(22.9-31.7)	22.0	(14.7-31.7)	18.8	(12.2-27.8)
Education										
High school graduate or less	26.4	(24.4-28.6)	25.1	(22.9-27.5)	33.6	(27.8-40.0)	26.1	(18.5-35.6)	23.6	(15.4-34.4)
Some college or more	13.7	(12.7-14.8)	12.8	(11.8-13.9)	20.2	(16.5-24.5)	12.6	(7.6-20.2)	15.3	(10.0-22.8)
Household Income										
< $35,000	32.3	(30.0-34.8)	31.7	(29.0-34.5)	35.9	(30.1-42.1)	29.4	(20.7-40.0)	29.9	(20.1-41.9)
$35,000 +	10.6	(9.6-11.7)	10.2	(9.2-11.3)	13.9	(9.9-19.0)	11.5	(6.3-19.9)	11.2	(6.4-18.9)

[a] The proportion who reported that their health, in general, was either fair or poor.
[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 2: Poor Physical Health on at Least 14 Days in the Past Month[a] by Race-Ethnicity
2019 Michigan BRFS

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	13.7	(12.8-14.6)	13.7	(12.7-14.7)	14.0	(11.5-17.0)	13.0	(9.7-17.2)	13.3	(9.1-19.0)
Age										
18 - 49	9.9	(8.7-11.2)	9.9	(8.5-11.5)	10.2	(7.2-14.3)	7.5	(4.8-11.5)	11.8	(7.3-18.5)
50 +	17.5	(16.3-18.8)	17.0	(15.8-18.3)	19.2	(15.2-23.9)	24.6	(16.9-34.4)	18.8	(10.4-31.8)
Gender										
Male	12.6	(11.4-13.9)	12.0	(10.7-13.4)	15.2	(11.1-20.4)	12.9	(8.7-18.6)	15.7	(9.5-24.9)
Female	14.7	(13.5-16.0)	15.3	(13.9-16.8)	13.0	(10.1-16.6)	13.1	(8.5-19.8)	11.1	(6.3-18.9)
Education										
High school graduate or less	17.7	(16.0-19.6)	17.9	(15.9-20.0)	16.0	(11.9-21.1)	24.7	(17.1-34.4)	14.7	(8.7-23.9)
Some college or more	11.1	(10.2-12.0)	11.2	(10.3-12.3)	12.0	(9.2-15.6)	6.9	(4.5-10.3)	11.9	(6.9-19.7)
Household Income										
< $35,000	21.9	(20.0-24.0)	22.9	(20.7-25.3)	18.4	(14.1-23.5)	29.8	(21.0-40.4)	17.2	(10.2-27.6)
$35,000 +	8.8	(7.9-9.7)	8.9	(8.0-10.0)	7.7	(4.9-12.0)	6.1	(3.5-10.4)	12.2	(6.6-21.3)

[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.

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 3: Poor Mental Health on at Least 14 Days in the Past Month[a] by Race-Ethnicity **2019 Michigan BRFS**									
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	**16.0**	**(15.1-17.1)**	15.7	(14.6-16.8)	16.3	(13.4-19.7)	17.7	(13.8-22.4)	19.1	(14.1-25.5)
Age										
18 - 49	19.9	(18.3-21.6)	19.8	(17.9-21.8)	20.1	(15.8-25.2)	19.2	(14.5-25.0)	21.3	(15.2-28.9)
50 +	12.2	(11.1-13.4)	12.3	(11.1-13.5)	11.2	(7.9-15.6)	14.7	(8.6-24.0)	--[c]	--[c]
Gender										
Male	13.3	(12.0-14.8)	13.1	(11.7-14.7)	13.9	(9.7-19.5)	13.0	(8.6-19.0)	16.8	(10.3-26.1)
Female	18.6	(17.2-20.1)	18.2	(16.6-19.8)	18.4	(14.7-22.7)	22.9	(16.7-30.6)	21.3	(14.3-30.6)
Education										
High school graduate or less	18.7	(16.9-20.7)	18.3	(16.2-20.6)	17.0	(12.5-22.6)	28.3	(19.9-38.4)	21.3	(13.8-31.4)
Some college or more	14.3	(13.3-15.5)	14.2	(13.1-15.4)	15.7	(12.2-20.0)	12.2	(8.8-16.8)	16.3	(10.5-24.5)
Household Income										
< $35,000	24.3	(22.1-26.6)	26.7	(24.0-29.4)	17.0	(12.7-22.3)	26.0	(17.3-37.1)	22.2	(13.9-33.4)
$35,000 +	11.1	(10.0-12.2)	10.8	(9.7-12.0)	12.3	(8.4-17.8)	12.5	(8.4-18.3)	13.0	(7.4-21.8)

[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.
[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 4: Activity Limitation on at Least 14 Days in the Past Month[a] by Race-Ethnicity
2019 Michigan BRFS

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	9.4	(8.7-10.2)	9.4	(8.6-10.3)	9.4	(7.3-12.1)	10.1	(7.2-14.1)	8.9	(5.7-13.7)
Age										
18 - 49	8.0	(6.9-9.3)	7.6	(6.4-9.1)	9.3	(6.4-13.4)	8.2	(5.2-12.7)	9.2	(5.5-15.1)
50 +	10.9	(10.0-12.0)	11.0	(10.0-12.1)	9.8	(7.1-13.4)	15.9	(9.5-25.4)	--[c]	--[c]
Gender										
Male	8.1	(7.1-9.2)	7.8	(6.8-9.0)	9.4	(6.3-13.9)	8.7	(5.3-14.0)	--[c]	--[c]
Female	10.7	(9.6-11.8)	10.9	(9.7-12.2)	9.5	(6.9-12.8)	11.6	(7.2-18.2)	9.4	(5.1-16.6)
Education										
High school graduate or less	12.0	(10.5-13.6)	11.7	(10.1-13.6)	11.9	(8.4-16.7)	14.6	(8.4-24.1)	13.2	(7.6-21.9)
Some college or more	7.8	(7.0-8.6)	8.0	(7.2-8.9)	7.3	(5.2-10.1)	7.8	(5.1-11.6)	--[c]	--[c]
Household Income										
< $35,000	17.1	(15.3-19.1)	18.5	(16.3-20.9)	14.1	(10.3-18.9)	20.6	(12.8-31.6)	14.5	(8.5-23.4)
$35,000 +	5.3	(4.6-6.0)	5.4	(4.6-6.2)	--[c]	--[c]	--[c]	--[c]	--[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%.

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 5: Disability[a] by Race-Ethnicity
2019 Michigan BRFS

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	**30.1**	**(28.9-31.3)**	**29.4**	**(28.1-30.7)**	**33.2**	**(29.3-37.3)**	**24.7**	**(20.2-29.8)**	**39.6**	**(32.3-47.4)**
Age										
18 - 49	23.0	(21.3-24.9)	21.2	(19.3-23.3)	28.5	(23.3-34.3)	17.5	(12.9-23.3)	37.2	(28.6-46.7)
50 +	37.3	(35.8-38.9)	36.5	(34.9-38.1)	39.6	(34.0-45.5)	45.4	(35.5-55.6)	46.2	(33.6-59.3)
Gender										
Male	28.3	(26.5-30.1)	27.2	(25.4-29.1)	34.3	(28.0-41.2)	22.0	(16.3-29.0)	39.2	(28.4-51.1)
Female	31.8	(30.1-33.4)	31.5	(29.7-33.3)	32.2	(27.6-37.1)	27.6	(20.9-35.4)	40.0	(30.6-50.2)
Education										
High school graduate or less	39.3	(37.0-41.7)	38.3	(35.8-40.9)	42.2	(35.8-49.0)	37.0	(28.0-47.0)	46.5	(34.7-58.7)
Some college or more	24.1	(22.9-25.4)	24.1	(22.7-25.4)	25.0	(20.8-29.8)	17.4	(13.2-22.7)	32.7	(24.7-41.7)
Household Income										
< $35,000	48.3	(45.7-50.9)	50.2	(47.2-53.1)	40.4	(34.3-46.7)	46.8	(36.5-57.5)	55.4	(43.2-67.0)
$35,000 +	19.5	(18.2-20.8)	19.5	(18.1-20.9)	20.8	(15.9-26.9)	12.8	(8.8-18.3)	26.6	(18.2-37.1)

[a] The proportion who reported having serious difficulty hearing, visual impairment, difficulty concentrating, remembering, or making decisions, difficulty walking or climbing stairs, difficulty dressing or bating, or difficulty doing errands alone.
[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 6: Obesity[a] by Race-Ethnicity
2019 Michigan BRFS

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	**36.0**	**(34.7-37.3)**	**35.0**	**(33.6-36.4)**	**43.8**	**(39.6-48.1)**	**23.3**	**(18.8-28.4)**	**46.1**	**(38.6-53.8)**
Age										
18 - 49	32.8	(30.8-34.8)	31.1	(28.9-33.5)	44.4	(38.4-50.5)	19.3	(14.4-25.3)	41.2	(32.7-50.4)
50 +	39.3	(37.7-40.9)	38.3	(36.7-40.0)	43.4	(37.6-49.4)	34.2	(25.3-44.3)	59.5	(45.9-71.8)
Gender										
Male	34.9	(33.1-36.8)	34.8	(32.8-36.8)	39.4	(32.8-46.3)	22.3	(16.7-29.2)	40.7	(30.5-51.7)
Female	37.1	(35.3-38.9)	35.2	(33.3-37.2)	48.0	(42.7-53.2)	24.3	(17.7-32.4)	51.8	(41.3-62.0)
Education										
High school graduate or less	38.6	(36.3-41.0)	37.8	(35.2-40.5)	42.9	(36.3-49.8)	29.3	(21.0-39.4)	45.4	(33.4-57.9)
Some college or more	34.3	(32.9-35.8)	33.3	(31.8-34.9)	44.4	(39.2-49.8)	19.9	(15.2-25.8)	47.1	(38.2-56.2)
Household Income										
< $35,000	42.1	(39.5-44.7)	39.5	(36.6-42.4)	49.6	(43.2-56.0)	31.9	(22.7-42.8)	53.7	(40.8-66.1)
$35,000 +	34.0	(32.3-35.6)	33.4	(31.7-35.1)	43.9	(37.2-50.8)	20.8	(15.2-27.8)	44.1	(34.0-54.8)

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.

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 7: No Health Care Coverage among Adults Aged 18 - 64 Years[a] by Race-Ethnicity
2019 Michigan BRFS

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	**10.8**	**(9.8-11.9)**	**9.4**	**(8.3-10.6)**	**13.1**	**(10.2-16.7)**	**10.9**	**(7.9-14.9)**	**23.9**	**(17.8-31.4)**
Age										
18 - 49	12.7	(11.3-14.2)	11.2	(9.6-12.9)	13.9	(10.3-18.6)	12.5	(8.9-17.3)	26.1	(19.1-34.6)
50 - 64	7.6	(6.3-9.0)	6.8	(5.6-8.2)	11.7	(7.3-18.3)	--[c]	--[c]	--[c]	--[c]
Gender										
Male	12.6	(11.1-14.2)	10.9	(9.3-12.6)	18.2	(12.9-24.9)	12.8	(8.8-18.3)	23.5	(15.2-34.5)
Female	9.0	(7.8-10.5)	7.9	(6.6-9.6)	8.6	(6.1-12.2)	8.8	(4.9-15.5)	24.4	(16.1-35.1)
Education										
High school graduate or less	15.7	(13.6-17.9)	13.4	(11.3-15.9)	17.3	(12.2-24.0)	16.2	(9.8-25.5)	32.2	(22.3-44.0)
Some college or more	7.8	(6.8-8.8)	7.1	(6.1-8.3)	9.4	(6.6-13.3)	7.8	(5.2-11.7)	14.5	(8.5-23.6)
Household Income										
< $35,000	16.2	(14.0-18.8)	15.4	(12.8-18.4)	12.7	(8.6-18.4)	15.3	(9.2-24.3)	31.6	(21.2-44.2)
$35,000 +	7.1	(6.1-8.2)	6.5	(5.4-7.7)	7.8	(4.7-12.6)	8.4	(5.0-13.7)	16.6	(9.4-27.8)

[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%.

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.

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	**14.3**	**(13.3-15.3)**	**11.5**	**(10.6-12.6)**	**27.8**	**(24.2-31.8)**	**15.6**	**(11.8-20.5)**	**20.9**	**(15.4-27.7)**
Age										
18 - 49	16.8	(15.2-18.5)	13.3	(11.6-15.2)	30.2	(25.1-35.9)	18.0	(12.8-24.7)	22.5	(15.8-30.9)
50 - 64	12.0	(10.9-13.1)	10.0	(9.0-11.2)	25.4	(20.4-31.1)	11.2	(7.1-17.3)	--[c]	--[c]
Gender										
Male	11.8	(10.5-13.2)	10.1	(8.8-11.6)	22.4	(17.1-28.9)	10.4	(6.3-16.7)	11.9	(6.4-20.9)
Female	16.7	(15.3-18.1)	12.9	(11.5-14.4)	32.4	(27.8-37.5)	20.9	(14.7-28.8)	28.6	(20.2-38.8)
Education										
High school graduate or less	22.7	(20.6-24.8)	18.7	(16.6-21.1)	40.2	(34.0-46.9)	18.6	(12.4-27.1)	24.9	(16.4-35.9)
Some college or more	9.1	(8.2-10.0)	7.4	(6.6-8.3)	16.3	(12.9-20.3)	14.3	(9.7-20.6)	16.0	(10.0-24.6)
Household Income										
< $35,000	32.7	(30.2-35.2)	29.1	(26.4-32.0)	44.2	(38.0-50.6)	34.4	(25.4-44.6)	29.7	(20.1-41.5)
$35,000 +	3.7	(3.1-4.4)	3.3	(2.7-4.1)	5.6	(3.4-9.2)	--[c]	--[c]	--[c]	--[c]

Table 8: Medicaid Coverage among All Adults[a] by Race-Ethnicity
2019 Michigan BRFS

[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.
[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 9: Healthy Michigan Plan Coverage among All Adults[a] by Race-Ethnicity
2019 Michigan BRFS

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	2.5	(2.1-2.9)	2.1	(1.7-2.6)	4.2	(2.8-6.3)	--[c]	--[c]	--[c]	--[c]
Age										
18 - 49	3.0	(2.3-3.7)	2.8	(2.2-3.7)	4.0	(2.2-7.0)	--[c]	--[c]	--[c]	--[c]
50 - 64	2.0	(1.6-2.6)	1.6	(1.2-2.1)	4.6	(2.5-8.2)	--[c]	--[c]	--[c]	--[c]
Gender										
Male	2.2	(1.6-2.9)	1.8	(1.3-2.5)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
Female	2.8	(2.2-3.4)	2.4	(1.9-3.2)	3.8	(2.4-6.2)	--[c]	--[c]	--[c]	--[c]
Education										
High school graduate or less	3.3	(2.6-4.3)	3.0	(2.2-4.0)	6.0	(3.5-10.2)	--[c]	--[c]	--[c]	--[c]
Some college or more	1.9	(1.5-2.4)	1.7	(1.3-2.2)	2.5	(1.4-4.4)	--[c]	--[c]	--[c]	--[c]
Household Income										
< $35,000	6.0	(4.9-7.4)	6.1	(4.8-7.7)	6.9	(4.3-10.9)	--[c]	--[c]	--[c]	--[c]
$35,000 +	0.7	(0.5-1.1)	0.6	(0.3-1.0)	--[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%.

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 10: No Personal Health Care Provider[a] by Race-Ethnicity
2019 Michigan BRFS

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	14.5	(13.5-15.6)	12.5	(11.5-13.6)	19.0	(15.7-22.8)	19.8	(15.7-24.6)	30.1	(23.3-38.0)
Age										
18 - 49	23.2	(21.4-25.1)	20.9	(19.0-23.0)	27.7	(22.5-33.5)	22.4	(17.3-28.4)	38.2	(29.7-47.5)
50 +	5.8	(5.1-6.7)	5.2	(4.5-6.1)	8.4	(5.5-12.6)	13.4	(7.7-22.3)	--[c]	--[c]
Gender										
Male	19.4	(17.8-21.1)	17.2	(15.6-19.0)	24.0	(18.4-30.7)	24.4	(18.5-31.5)	37.3	(27.0-48.9)
Female	9.9	(8.8-11.2)	8.0	(6.9-9.3)	14.5	(11.1-18.8)	14.7	(9.8-21.5)	23.7	(15.4-34.5)
Education										
High school graduate or less	18.8	(16.8-20.9)	15.0	(13.0-17.1)	25.2	(19.6-31.8)	25.3	(17.7-34.9)	43.2	(31.8-55.3)
Some college or more	11.8	(10.8-12.9)	11.0	(10.0-12.2)	13.3	(10.1-17.3)	16.9	(12.6-22.4)	16.5	(11.0-24.1)
Household Income										
< $35,000	20.1	(17.9-22.5)	16.9	(14.7-19.3)	23.4	(18.1-29.7)	28.4	(20.0-38.6)	35.1	(23.5-48.8)
$35,000 +	11.4	(10.3-12.7)	10.9	(9.7-12.2)	9.7	(6.4-14.6)	16.4	(11.4-23.1)	22.0	(14.2-32.6)

[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%.

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 11: No Health Care Access during Past 12 Months Due to Cost[a] by Race-Ethnicity										
2019 Michigan BRFS										
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	**11.5**	**(10.7-12.4)**	10.6	(9.7-11.6)	13.2	(10.7-16.3)	16.4	(12.5-21.3)	16.0	(10.9-22.9)
Age										
18 - 49	14.1	(12.7-15.7)	12.8	(11.3-14.6)	16.8	(12.9-21.6)	17.3	(12.4-23.7)	18.0	(11.7-26.5)
50 +	9.0	(8.1-10.0)	8.8	(7.8-9.8)	8.7	(6.2-12.2)	15.2	(9.6-23.2)	--[c]	--[c]
Gender										
Male	10.6	(9.4-12.0)	9.9	(8.7-11.3)	13.6	(9.8-18.7)	11.8	(8.1-16.7)	--[c]	--[c]
Female	12.3	(11.2-13.6)	11.3	(10.0-12.6)	12.9	(9.8-16.7)	21.3	(14.6-29.9)	18.5	(12.1-27.3)
Education										
High school graduate or less	13.5	(11.9-15.3)	12.8	(11.0-14.7)	13.7	(9.9-18.8)	17.5	(11.4-25.8)	18.7	(10.7-30.6)
Some college or more	10.2	(9.3-11.2)	9.4	(8.4-10.4)	12.5	(9.5-16.3)	15.9	(11.1-22.4)	13.1	(8.0-20.9)
Household Income										
< $35,000	19.2	(17.2-21.4)	18.7	(16.5-21.1)	16.6	(12.4-21.9)	24.5	(16.9-34.0)	28.0	(17.9-41.0)
$35,000 +	8.0	(7.0-9.0)	7.9	(6.9-9.0)	9.2	(6.0-13.8)	10.9	(6.6-17.7)	--[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%.

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 12: No Leisure Time Physical Activity[a] by Race-Ethnicity 2019 Michigan BRFS										
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	**25.2**	**(24.0-26.4)**	**23.8**	**(22.6-25.1)**	**34.4**	**(30.5-38.5)**	**25.9**	**(20.7-31.9)**	**21.5**	**(16.2-28.0)**
Age										
18 - 49	20.9	(19.2-22.7)	18.2	(16.4-20.2)	34.2	(28.7-40.2)	23.7	(17.3-31.6)	18.9	(13.1-26.4)
50 +	29.7	(28.2-31.2)	28.9	(27.3-30.4)	35.1	(29.7-40.9)	32.3	(24.0-41.9)	30.7	(19.7-44.3)
Gender										
Male	24.6	(22.9-26.4)	24.1	(22.3-26.0)	33.2	(26.9-40.2)	20.3	(14.5-27.7)	16.1	(9.7-25.5)
Female	25.7	(24.2-27.3)	23.6	(22.0-25.2)	35.4	(30.7-40.4)	32.0	(23.7-41.6)	26.6	(18.9-36.1)
Education										
High school graduate or less	34.3	(32.1-36.6)	33.5	(31.0-36.0)	43.8	(37.2-50.6)	26.9	(19.2-36.2)	25.9	(17.3-36.7)
Some college or more	19.4	(18.2-20.7)	18.1	(16.9-19.4)	26.3	(22.0-31.1)	25.3	(18.6-33.5)	17.4	(11.5-25.5)
Household Income										
< $35,000	35.2	(32.7-37.7)	34.0	(31.2-36.9)	43.6	(37.4-50.0)	31.7	(22.9-41.9)	23.8	(15.4-34.8)
$35,000 +	19.2	(17.8-20.6)	18.9	(17.5-20.4)	22.7	(17.7-28.7)	20.4	(13.7-29.4)	15.2	(9.1-24.2)

[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.

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.

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Table 13: Adequate Physical Activity[a] by Race-Ethnicity 2019 Michigan BRFS									
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	**21.0**	**(19.9-22.0)**	**21.3**	**(20.2-22.5)**	**19.4**	**(16.3-22.9)**	**20.8**	**(16.6-25.7)**	**19.2**	**(14.6-24.9)**
Age										
18 - 49	22.1	(20.4-23.9)	23.2	(21.2-25.3)	18.9	(14.7-23.8)	21.1	(16.0-27.3)	18.6	(13.2-25.4)
50 +	20.2	(19.0-21.5)	20.1	(18.9-21.4)	20.5	(16.1-25.7)	21.5	(14.8-30.2)	21.8	(13.6-32.9)
Gender										
Male	22.0	(20.5-23.6)	21.7	(20.1-23.5)	22.5	(17.4-28.5)	24.0	(17.8-31.5)	22.4	(15.4-31.5)
Female	20.0	(18.6-21.4)	21.0	(19.4-22.6)	16.7	(13.3-20.8)	17.4	(12.4-23.9)	16.3	(10.8-23.9)
Education										
High school graduate or less	18.9	(17.1-20.9)	19.6	(17.5-21.9)	16.3	(12.0-21.8)	23.7	(16.1-33.4)	14.0	(8.4-22.5)
Some college or more	22.3	(21.1-23.6)	22.4	(21.1-23.8)	22.3	(18.2-27.1)	19.4	(14.7-25.0)	24.5	(17.9-32.4)
Household Income										
< $35,000	18.5	(16.6-20.5)	18.5	(16.3-20.9)	17.5	(13.4-22.5)	20.4	(13.4-29.8)	19.7	(12.4-29.8)
$35,000 +	23.8	(22.4-25.3)	23.6	(22.1-25.2)	24.4	(19.0-30.8)	25.9	(19.5-33.6)	23.3	(16.3-32.2)

[a] The proportion who reported that they do either moderate physical activities for at least 150 minutes per week, vigorous physical activities for at least 75 minutes per week, or an equivalent combination of moderate and vigorous physical activities **and** also participate in muscle strengthening activities on two or more days per week.
[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.

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Table 14: Fruit Consumption (At least 1 / Day)[a] by Race-Ethnicity
2019 Michigan BRFS

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	**59.9**	**(58.6-61.3)**	**60.4**	**(59.0-61.9)**	**59.0**	**(54.6-63.2)**	**59.6**	**(53.3-65.7)**	**53.8**	**(46.1-61.4)**
Age										
18 - 49	55.7	(53.6-57.9)	56.3	(53.8-58.8)	55.7	(49.5-61.8)	56.0	(48.3-63.5)	49.2	(40.1-58.3)
50 +	64.3	(62.7-65.8)	64.1	(62.4-65.7)	63.5	(57.5-69.1)	68.6	(58.1-77.5)	69.0	(55.4-80.0)
Gender										
Male	56.0	(54.0-58.0)	55.7	(53.5-57.8)	57.0	(49.8-63.9)	62.1	(53.6-69.9)	51.5	(40.3-62.7)
Female	63.7	(61.9-65.5)	65.1	(63.1-67.0)	60.7	(55.4-65.7)	56.8	(47.4-65.8)	56.1	(45.5-66.1)
Education										
High school graduate or less	54.7	(52.2-57.1)	55.0	(52.2-57.7)	54.1	(47.1-60.9)	62.7	(52.2-72.1)	45.9	(33.9-58.4)
Some college or more	63.2	(61.7-64.7)	63.6	(62.0-65.2)	63.1	(57.8-68.2)	57.7	(49.8-65.3)	61.7	(52.3-70.4)
Household Income										
< $35,000	54.9	(52.2-57.5)	54.6	(51.6-57.6)	54.9	(48.3-61.4)	57.2	(46.1-67.6)	55.0	(42.3-67.2)
$35,000 +	62.4	(60.7-64.1)	62.8	(60.9-64.5)	63.7	(56.9-69.9)	59.4	(50.4-67.8)	54.4	(43.6-64.7)

[a] The proportion whose total reported consumption of fruits (including juice) was at least one per day.
[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 15: Vegetable Consumption (At least 1 / Day)[a] by Race-Ethnicity
2019 Michigan BRFS

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	**79.2**	**(78.1-80.3)**	**80.4**	**(79.2-81.6)**	**70.9**	**(66.7-74.8)**	**84.3**	**(79.5-88.2)**	**76.8**	**(69.1-83.0)**
Age										
18 - 49	77.8	(75.9-79.6)	78.7	(76.6-80.7)	70.2	(64.1-75.7)	85.2	(79.6-89.5)	76.1	(66.6-83.6)
50 +	80.5	(79.2-81.9)	81.7	(80.3-83.0)	71.9	(65.9-77.2)	81.5	(70.8-88.8)	81.0	(68.8-89.2)
Gender										
Male	75.0	(73.2-76.8)	76.7	(74.8-78.5)	61.9	(54.6-68.7)	82.4	(75.5-87.7)	71.7	(59.2-81.5)
Female	83.2	(81.8-84.5)	83.9	(82.3-85.3)	78.6	(74.1-82.6)	86.4	(79.1-91.4)	81.8	(72.6-88.3)
Education										
High school graduate or less	74.7	(72.4-76.8)	75.8	(73.3-78.1)	69.3	(62.3-75.5)	82.3	(72.5-89.2)	69.0	(55.6-79.8)
Some college or more	82.1	(80.8-83.2)	83.0	(81.7-84.3)	72.5	(67.3-77.2)	85.5	(79.9-89.7)	84.5	(77.3-89.8)
Household Income										
< $35,000	73.8	(71.3-76.1)	73.9	(71.1-76.5)	71.2	(64.7-77.0)	82.3	(72.4-89.2)	74.3	(60.2-84.6)
$35,000 +	82.6	(81.2-83.9)	83.7	(82.3-85.0)	70.8	(64.0-76.7)	85.7	(79.2-90.4)	80.2	(69.9-87.5)

[a] The proportion whose total reported consumption of vegetables was at least one per day.
[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 16: Current Smoking[a] by Race-Ethnicity
2019 Michigan BRFS

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	**18.7**	**(17.6-19.8)**	**17.8**	**(16.7-19.1)**	**21.9**	**(18.5-25.8)**	**18.0**	**(14.0-22.8)**	**24.7**	**(18.4-32.4)**
Age										
18 - 49	21.3	(19.5-23.1)	21.4	(19.4-23.6)	20.5	(16.0-25.8)	17.3	(12.7-23.0)	26.0	(18.5-35.2)
50 +	16.2	(15.0-17.6)	14.9	(13.6-16.2)	24.2	(19.2-30.1)	20.7	(13.4-30.7)	21.1	(11.3-35.9)
Gender										
Male	20.1	(18.5-21.9)	18.9	(17.2-20.8)	26.5	(20.7-33.2)	17.3	(12.0-24.4)	27.2	(17.5-39.7)
Female	17.3	(15.9-18.8)	16.8	(15.2-18.5)	18.0	(14.3-22.3)	18.7	(13.2-25.7)	22.4	(15.0-32.2)
Education										
High school graduate or less	27.4	(25.3-29.7)	26.3	(23.9-28.9)	31.1	(25.1-37.8)	30.2	(21.6-40.5)	29.9	(19.6-42.8)
Some college or more	13.1	(12.1-14.2)	12.9	(11.8-14.1)	14.1	(10.9-18.1)	10.9	(7.9-15.0)	19.4	(12.8-28.3)
Household Income										
< $35,000	29.2	(26.8-31.7)	29.0	(26.3-31.8)	27.3	(21.9-33.4)	34.9	(25.1-46.1)	33.8	(22.6-47.1)
$35,000 +	13.7	(12.4-15.0)	13.8	(12.5-15.3)	11.7	(7.9-16.9)	12.3	(8.2-18.0)	16.3	(9.6-26.2)

[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 17: Current E-Cigarette Use[a] by Race-Ethnicity
2019 Michigan BRFS

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	**6.7**	**(5.8-7.7)**	**6.5**	**(5.5-7.7)**	**5.5**	**(3.3-8.9)**	**7.4**	**(4.3-12.6)**	**13.1**	**(7.3-22.4)**
Age										
18 - 49	10.7	(9.0-12.7)	11.2	(9.2-13.6)	--[c]	--[c]	--[c]	--[c]	15.5	(8.4-26.9)
50 +	3.0	(2.3-3.8)	2.8	(2.2-3.6)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
Gender										
Male	8.6	(7.1-10.4)	8.6	(7.0-10.6)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
Female	4.9	(3.9-6.1)	4.5	(3.5-5.9)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
Education										
High school graduate or less	9.1	(7.2-11.3)	8.9	(6.8-11.5)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
Some college or more	5.2	(4.3-6.2)	5.2	(4.2-6.3)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
Household Income										
< $35,000	7.3	(5.6-9.5)	7.1	(5.2-9.5)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
$35,000 +	6.0	(4.9-7.3)	5.7	(4.6-7.1)	--[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%.

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 18: Current Hookah Use[a] by Race-Ethnicity
2019 Michigan BRFS

Demographic Characteristics	Michigan[b] %	Michigan[b] 95% Confidence Interval	White, Non-Hispanic %	White, Non-Hispanic 95% Confidence Interval	Black, Non-Hispanic %	Black, Non-Hispanic 95% Confidence Interval	Other/Multiracial, Non-Hispanic %	Other/Multiracial, Non-Hispanic 95% Confidence Interval	Hispanic %	Hispanic 95% Confidence Interval
Total	3.7	(3.1-4.5)	3.1	(2.4-3.8)	5.8	(3.5-9.2)	7.2	(4.0-12.5)	--[c]	--[c]
Age										
18 - 49	5.7	(4.5-7.1)	4.6	(3.4-6.1)	9.5	(5.7-15.5)	--[c]	--[c]	--[c]	--[c]
50 +	1.8	(1.3-2.5)	1.8	(1.3-2.5)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
Gender										
Male	4.8	(3.7-6.1)	4.2	(3.2-5.6)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
Female	2.7	(2.0-3.7)	2.0	(1.3-2.8)	6.4	(3.6-11.2)	--[c]	--[c]	--[c]	--[c]
Education										
High school graduate or less	4.9	(3.7-6.6)	3.7	(2.5-5.3)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
Some college or more	3.0	(2.3-3.8)	2.7	(2.0-3.6)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
Household Income										
< $35,000	5.6	(4.1-7.6)	4.3	(2.9-6.4)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
$35,000 +	3.1	(2.3-4.0)	2.8	(2.1-3.8)	--[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%.

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 19: Any Alcohol Consumption[a] by Race-Ethnicity
2019 Michigan BRFS

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	**57.0**	**(55.7-58.3)**	**58.8**	**(57.4-60.2)**	**51.2**	**(47.0-55.4)**	**45.6**	**(39.7-51.7)**	**55.2**	**(47.6-62.6)**
Age										
18 - 49	61.9	(59.8-63.9)	63.8	(61.4-66.2)	59.6	(53.6-65.3)	48.9	(41.6-56.4)	60.3	(51.0-68.9)
50 +	52.2	(50.6-53.8)	54.6	(52.9-56.2)	41.3	(35.6-47.3)	36.7	(27.4-47.0)	38.9	(26.9-52.4)
Gender										
Male	62.0	(60.0-63.8)	64.3	(62.3-66.3)	49.4	(42.5-56.4)	53.3	(45.2-61.3)	64.8	(52.6-75.3)
Female	52.3	(50.6-54.1)	53.5	(51.6-55.5)	52.8	(47.7-57.8)	37.4	(29.3-46.3)	46.6	(36.9-56.6)
Education										
High school graduate or less	47.1	(44.7-49.5)	46.9	(44.2-49.6)	47.0	(40.3-53.8)	44.0	(34.2-54.3)	52.4	(40.2-64.4)
Some college or more	63.3	(61.8-64.7)	65.8	(64.2-67.3)	54.9	(49.7-60.0)	46.8	(39.4-54.4)	58.1	(49.1-66.6)
Household Income										
< $35,000	44.8	(42.3-47.4)	44.0	(41.1-46.9)	46.7	(40.4-53.0)	43.0	(33.0-53.5)	49.3	(37.2-61.6)
$35,000 +	66.4	(64.7-68.0)	67.9	(66.2-69.6)	59.5	(52.8-65.8)	51.6	(43.0-60.1)	67.7	(57.6-76.3)

[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.

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	6.2	(5.6-6.9)	6.8	(6.1-7.6)	3.4	(2.2-5.3)	4.1	(2.4-6.9)	6.6	(3.7-11.3)
Age										
18 - 49	6.8	(5.9-7.9)	7.7	(6.5-9.1)	--[c]	--[c]	5.5	(3.2-9.4)	7.8	(4.2-13.9)
50 +	5.6	(4.9-6.4)	6.0	(5.2-6.8)	4.6	(2.5-8.2)	--[c]	--[c]	--[c]	--[c]
Gender										
Male	6.6	(5.7-7.6)	7.5	(6.4-8.7)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
Female	5.9	(5.1-6.7)	6.1	(5.3-7.1)	3.8	(2.3-6.3)	--[c]	--[c]	--[c]	--[c]
Education										
High school graduate or less	5.7	(4.7-6.9)	6.2	(5.0-7.6)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
Some college or more	6.5	(5.8-7.3)	7.1	(6.3-8.1)	4.4	(2.6-7.1)	--[c]	--[c]	--[c]	--[c]
Household Income										
< $35,000	5.5	(4.4-6.8)	6.2	(5.0-7.8)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
$35,000 +	7.2	(6.4-8.1)	7.7	(6.7-8.7)	4.4	(2.4-7.9)	5.6	(3.0-10.0)	--[c]	--[c]

Table 20: Heavy Drinking[a] by Race-Ethnicity
2019 Michigan BRFS

[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%.

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 21: Binge Drinking[a] by Race-Ethnicity
2019 Michigan BRFS

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**	**(17.0-19.0)**	**18.5**	**(17.4-19.7)**	**14.5**	**(11.6-17.9)**	**14.8**	**(11.1-19.4)**	**22.6**	**(17.0-29.4)**
Age										
18 - 49	24.9	(23.2-26.7)	27.0	(25.0-29.2)	17.4	(13.2-22.5)	16.7	(12.1-22.6)	27.6	(20.6-36.0)
50 +	11.1	(10.1-12.2)	11.3	(10.2-12.5)	11.3	(7.7-16.1)	--[c]	--[c]	--[c]	--[c]
Gender										
Male	22.8	(21.2-24.5)	24.3	(22.5-26.2)	14.4	(10.1-20.2)	15.4	(10.5-22.2)	29.4	(20.4-40.3)
Female	13.4	(12.2-14.7)	13.0	(11.7-14.4)	14.6	(11.1-19.0)	14.0	(9.2-20.9)	16.5	(10.3-25.4)
Education										
High school graduate or less	16.6	(14.9-18.5)	16.4	(14.4-18.5)	15.2	(10.9-20.9)	16.0	(9.7-25.3)	24.7	(16.0-36.1)
Some college or more	18.9	(17.6-20.1)	19.8	(18.4-21.2)	14.0	(10.4-18.5)	14.1	(10.0-19.6)	20.8	(14.2-29.4)
Household Income										
< $35,000	14.7	(12.9-16.6)	14.7	(12.7-16.9)	12.6	(8.9-17.7)	15.7	(10.0-23.8)	20.7	(12.8-31.6)
$35,000 +	21.3	(19.9-22.8)	21.8	(20.3-23.4)	16.6	(12.0-22.6)	16.6	(11.2-23.9)	28.2	(19.4-38.9)

[a] Among adults who binge drank in the past month, the mean number of times during which five or more alcoholic beverages (for men) or four or more (for women) were consumed during the past month.
[b] 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 22: Ever Told High Blood Pressure[a] by Race-Ethnicity
2019 Michigan BRFS

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	**35.2**	**(34.0-36.4)**	**35.2**	**(33.9-36.5)**	**42.7**	**(38.7-46.8)**	**24.4**	**(19.8-29.7)**	**26.8**	**(20.8-33.7)**
Age										
18 - 49	17.6	(16.0-19.2)	16.7	(15.0-18.6)	22.5	(18.0-27.7)	15.4	(10.7-21.7)	18.4	(12.5-26.3)
50 +	53.2	(51.6-54.7)	51.3	(49.6-52.9)	67.7	(62.0-72.9)	48.0	(38.3-57.9)	54.8	(41.4-67.5)
Gender										
Male	37.9	(36.1-39.7)	38.1	(36.2-40.1)	44.2	(37.7-51.0)	28.2	(21.3-36.2)	28.8	(20.3-39.3)
Female	32.6	(31.1-34.2)	32.4	(30.7-34.1)	41.3	(36.6-46.2)	20.5	(15.1-27.2)	24.9	(17.2-34.6)
Education										
High school graduate or less	38.6	(36.4-40.9)	39.2	(36.7-41.7)	42.6	(36.4-49.1)	30.7	(22.3-40.7)	27.7	(18.7-39.0)
Some college or more	33.0	(31.7-34.4)	32.9	(31.4-34.3)	42.4	(37.4-47.6)	21.1	(16.0-27.3)	25.8	(18.9-34.2)
Household Income										
< $35,000	40.2	(37.8-42.7)	40.1	(37.4-42.9)	45.1	(39.1-51.4)	32.1	(22.9-42.9)	33.0	(22.5-45.6)
$35,000 +	32.4	(30.9-34.0)	32.5	(30.9-34.1)	42.4	(36.1-49.0)	19.1	(13.5-26.1)	25.7	(18.1-35.1)

[a] The proportion who reported that they were ever told by a doctor that they had high blood pressure (HBP). Women who had HBP only during pregnancy and adults who were borderline hypertensive were considered to not have been diagnosed.
[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 23: Cholesterol Ever Checked[a] by Race-Ethnicity
2019 Michigan BRFS

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	**94.0**	**(93.2-94.6)**	**94.4**	**(93.5-95.1)**	**94.0**	**(91.4-95.8)**	**91.7**	**(87.7-94.4)**	**89.5**	**(83.6-93.5)**
Age										
18 - 49	88.8	(87.3-90.2)	88.4	(86.6-90.1)	90.8	(86.5-93.9)	90.4	(85.2-93.9)	87.1	(79.5-92.1)
50 +	98.5	(98.0-98.9)	98.8	(98.4-99.1)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
Gender										
Male	92.3	(91.0-93.4)	92.8	(91.4-94.0)	92.7	(88.0-95.7)	91.5	(85.8-95.0)	83.4	(73.0-90.3)
Female	95.5	(94.6-96.3)	95.8	(94.8-96.7)	95.0	(91.9-97.0)	--[c]	--[c]	--[c]	--[c]
Education										
High school graduate or less	92.1	(90.5-93.5)	92.8	(90.9-94.3)	93.1	(88.3-96.1)	86.1	(75.9-92.4)	85.9	(75.9-92.2)
Some college or more	95.1	(94.3-95.8)	95.3	(94.4-96.0)	94.9	(91.8-96.9)	94.6	(91.5-96.6)	--[c]	--[c]
Household Income										
< $35,000	92.6	(91.0-93.9)	92.7	(90.8-94.2)	94.4	(90.3-96.8)	88.0	(78.9-93.5)	--[c]	--[c]
$35,000 +	95.2	(94.3-96.0)	95.4	(94.4-96.2)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]

[a] The proportion who reported ever having had their blood cholesterol checked.
[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 24: Ever Told High Cholesterol[a] by Race-Ethnicity
2019 Michigan BRFS

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	32.4	(31.2-33.6)	34.2	(32.9-35.5)	29.2	(25.6-33.1)	26.1	(21.1-31.9)	17.7	(13.1-23.5)
Age										
18 - 49	15.3	(13.8-16.8)	15.8	(14.2-17.7)	14.3	(10.6-19.0)	17.2	(11.9-24.3)	9.3	(5.6-14.9)
50 +	48.4	(46.8-50.0)	48.7	(47.0-50.4)	46.9	(41.1-52.8)	50.6	(40.4-60.7)	43.9	(31.2-57.6)
Gender										
Male	33.4	(31.6-35.2)	35.0	(33.0-36.9)	30.3	(24.4-36.9)	28.7	(21.5-37.1)	18.8	(12.2-27.9)
Female	31.5	(30.0-33.1)	33.5	(31.8-35.3)	28.3	(24.0-33.0)	23.4	(17.0-31.4)	16.8	(11.0-24.9)
Education										
High school graduate or less	33.0	(30.9-35.2)	35.3	(32.9-37.8)	28.3	(22.8-34.5)	30.8	(21.7-41.5)	17.5	(10.9-27.0)
Some college or more	32.0	(30.7-33.4)	33.5	(32.1-35.0)	29.8	(25.2-34.8)	24.0	(18.2-30.9)	18.0	(12.3-25.5)
Household Income										
< $35,000	34.3	(32.0-36.8)	37.8	(35.0-40.6)	29.7	(24.3-35.7)	31.6	(22.2-42.9)	17.9	(10.8-28.2)
$35,000 +	31.8	(30.3-33.3)	32.7	(31.1-34.4)	31.7	(25.8-38.3)	23.3	(16.5-31.9)	20.7	(14.0-29.6)

[a] The proportion who reported that a doctor, nurse, or other health professional had told them that their cholesterol was high among those who ever had their blood cholesterol checked.
[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 25: No Routine Checkup in Past Year[a] by Race-Ethnicity 2019 Michigan BRFS									
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	**19.8**	**(18.7-20.9)**	**19.8**	**(18.7-21.1)**	**16.6**	**(13.6-20.3)**	**21.0**	**(16.6-26.3)**	**26.2**	**(20.0-33.5)**
Age										
18 - 49	27.7	(25.9-29.6)	29.3	(27.2-31.6)	21.3	(16.6-26.8)	24.5	(18.7-31.3)	28.1	(20.6-36.9)
50 +	11.9	(10.9-13.0)	11.7	(10.6-12.9)	11.2	(7.8-15.8)	13.8	(8.4-21.9)	20.7	(11.5-34.5)
Gender										
Male	24.2	(22.5-26.0)	24.0	(22.2-25.9)	21.4	(16.1-27.9)	23.1	(17.4-30.0)	37.2	(27.1-48.7)
Female	15.6	(14.3-17.0)	15.9	(14.4-17.5)	12.5	(9.4-16.4)	18.7	(12.3-27.4)	16.1	(10.1-24.8)
Education										
High school graduate or less	20.2	(18.2-22.3)	19.9	(17.7-22.3)	18.1	(13.2-24.4)	21.9	(15.0-31.0)	27.1	(17.8-39.1)
Some college or more	19.6	(18.3-20.9)	19.8	(18.5-21.2)	15.4	(11.9-19.6)	20.7	(15.2-27.4)	25.3	(18.1-34.2)
Household Income										
< $35,000	21.3	(19.1-23.6)	21.2	(18.8-23.8)	16.5	(11.9-22.4)	28.0	(19.8-38.0)	30.9	(20.3-44.0)
$35,000 +	19.5	(18.1-21.0)	19.9	(18.4-21.5)	14.6	(10.7-19.8)	20.1	(13.8-28.3)	22.4	(14.8-32.5)

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

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.

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Table 26: Had Flu Vaccine in Past Year among Adults 65 Years and Older[a] by Race-Ethnicity 2019 Michigan BRFS									
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	**61.1**	**(59.0-63.2)**	62.7	(60.6-64.9)	50.1	(41.4-58.8)	48.6	(34.8-62.6)	57.6	(38.1-75.0)
Gender										
Male	62.5	(59.2-65.7)	63.6	(60.3-66.8)	52.7	(37.3-67.6)	59.2	(37.5-77.8)	64.4	(34.7-86.1)
Female	60.0	(57.2-62.7)	62.0	(59.1-64.9)	48.1	(38.4-57.9)	39.7	(22.8-59.5)	51.5	(27.6-74.7)
Education										
High school graduate or less	55.9	(52.0-59.6)	57.0	(53.1-60.9)	48.9	(35.8-62.3)	43.0	(21.0-68.2)	--[c]	--[c]
Some college or more	64.7	(62.3-67.0)	66.6	(64.1-68.9)	50.3	(39.6-60.9)	51.6	(35.1-67.8)	52.9	(31.7-73.1)
Household Income										
< $35,000	56.1	(52.2-59.9)	59.0	(55.0-63.0)	45.5	(32.7-58.9)	33.7	(18.2-53.8)	--[c]	--[c]
$35,000 +	66.0	(63.1-68.8)	66.3	(63.3-69.1)	62.1	(47.8-74.6)	63.0	(40.1-81.3)	--[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%.

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.

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**	**(70.5-74.5)**	**74.5**	**(72.5-76.4)**	**58.3**	**(49.2-66.9)**	**59.1**	**(44.2-72.6)**	**--[c]**	**--[c]**
Gender										
Male	69.5	(66.1-72.6)	72.0	(68.8-75.0)	49.8	(33.9-65.7)	50.1	(30.1-70.0)	--[c]	--[c]
Female	75.0	(72.5-77.4)	76.6	(73.9-79.0)	64.1	(54.3-72.9)	67.4	(46.8-83.0)	--[c]	--[c]
Education										
High school graduate or less	68.8	(65.0-72.3)	71.2	(67.4-74.7)	54.2	(40.3-67.5)	40.9	(20.1-65.6)	--[c]	--[c]
Some college or more	75.2	(73.0-77.3)	76.6	(74.3-78.7)	64.0	(52.9-73.9)	69.9	(51.7-83.4)	--[c]	--[c]
Household Income										
< $35,000	68.2	(64.2-71.9)	72.7	(68.9-76.2)	46.8	(34.1-59.9)	52.4	(30.6-73.3)	--[c]	--[c]
$35,000 +	74.9	(72.3-77.5)	75.7	(72.9-78.2)	67.0	(52.8-78.7)	--[c]	--[c]	--[c]	--[c]

Table 27: Ever Had Pneumonia Vaccine among Adults 65 Years and Older[a] by Race-Ethnicity
2019 Michigan BRFS

[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%.

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.

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
Table 28: Ever Had an HIV Test among Adults 18 – 64 Years of Age[a] by Race-Ethnicity **2019 Michigan BRFS**										
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	47.3	(45.6-48.9)	42.9	(41.1-44.7)	71.5	(66.8-75.8)	41.1	(34.7-47.8)	52.3	(44.0-60.5)
Age										
18 - 49	51.3	(49.1-53.5)	47.2	(44.6-49.7)	75.0	(68.8-80.2)	42.1	(34.8-49.8)	55.8	(46.3-64.9)
50 - 64	39.6	(37.2-42.0)	36.0	(33.5-38.5)	64.6	(56.7-71.8)	33.9	(21.9-48.4)	33.5	(19.2-51.7)
Gender										
Male	42.0	(39.7-44.4)	38.6	(36.1-41.1)	64.7	(56.8-71.8)	39.1	(30.7-48.1)	37.2	(26.7-49.0)
Female	52.6	(50.3-54.9)	47.3	(44.7-49.9)	77.9	(72.5-82.5)	43.4	(33.7-53.7)	66.1	(55.4-75.4)
Education										
High school graduate or less	47.1	(44.1-50.1)	41.8	(38.4-45.3)	67.5	(59.6-74.6)	50.2	(39.0-61.4)	49.2	(36.3-62.2)
Some college or more	47.3	(45.4-49.3)	43.5	(41.5-45.6)	74.9	(69.2-79.8)	35.5	(28.2-43.7)	55.1	(45.1-64.7)
Household Income										
< $35,000	57.2	(53.9-60.4)	51.5	(47.5-55.4)	74.7	(67.6-80.8)	55.5	(43.2-67.1)	52.5	(38.9-65.7)
$35,000 +	43.9	(41.9-46.0)	41.0	(38.8-43.2)	70.5	(63.1-77.0)	35.9	(27.9-44.8)	55.2	(43.7-66.2)

[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.

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 29: Lifetime Asthma Prevalence - Adult[a] by Race-Ethnicity
2019 Michigan BRFS

Demographic Characteristics	Michigan[b] %	Michigan[b] 95% Confidence Interval	White, Non-Hispanic %	White, Non-Hispanic 95% Confidence Interval	Black, Non-Hispanic %	Black, Non-Hispanic 95% Confidence Interval	Other/Multiracial, Non-Hispanic %	Other/Multiracial, Non-Hispanic 95% Confidence Interval	Hispanic %	Hispanic 95% Confidence Interval
Total	**16.5**	**(15.5-17.5)**	**15.8**	**(14.8-16.9)**	**20.2**	**(17.0-23.8)**	**15.3**	**(11.3-20.5)**	**18.3**	**(12.9-25.5)**
Age										
18 - 49	18.6	(17.0-20.4)	18.1	(16.3-20.1)	22.6	(18.0-28.0)	14.8	(9.9-21.5)	19.8	(13.2-28.6)
50 +	14.3	(13.2-15.5)	13.8	(12.7-15.0)	16.7	(12.8-21.6)	17.9	(11.4-26.9)	--[c]	--[c]
Gender										
Male	14.3	(12.9-15.8)	13.8	(12.4-15.4)	18.4	(13.5-24.6)	11.1	(7.4-16.5)	--[c]	--[c]
Female	18.6	(17.2-20.1)	17.8	(16.3-19.3)	21.7	(17.8-26.1)	19.8	(13.0-28.9)	22.0	(14.8-31.3)
Education										
High school graduate or less	17.9	(16.1-19.9)	16.3	(14.4-18.5)	24.9	(19.5-31.2)	17.7	(11.4-26.4)	19.2	(11.0-31.5)
Some college or more	15.5	(14.4-16.7)	15.6	(14.4-16.8)	15.6	(12.3-19.4)	14.0	(9.1-20.9)	16.9	(11.1-24.9)
Household Income										
< $35,000	22.3	(20.1-24.6)	21.5	(19.0-24.2)	24.1	(19.0-30.1)	19.7	(12.4-29.8)	25.6	(15.6-39.1)
$35,000 +	13.8	(12.7-15.1)	13.6	(12.4-14.9)	15.2	(11.1-20.5)	15.0	(9.3-23.4)	14.0	(8.3-22.7)

[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%.

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 30: Current Asthma Prevalence - Adult[a] by Race-Ethnicity									
2019 Michigan BRFS									
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	**11.2**	**(10.4-12.1)**	**10.6**	**(9.7-11.5)**	**15.9**	**(13.0-19.2)**	**10.3**	**(6.8-15.2)**	**10.1**	**(6.6-15.0)**
Age										
18 - 49	12.0	(10.7-13.5)	11.1	(9.7-12.8)	18.2	(14.0-23.2)	10.0	(5.8-16.6)	10.4	(6.4-16.4)
50 +	10.5	(9.5-11.5)	10.2	(9.2-11.2)	12.6	(9.1-17.1)	11.8	(6.6-20.2)	--[c]	--[c]
Gender										
Male	8.7	(7.6-10.0)	8.5	(7.3-9.8)	13.5	(9.2-19.3)	4.7	(2.7-8.2)	--[c]	--[c]
Female	13.6	(12.4-14.9)	12.6	(11.4-14.0)	17.9	(14.3-22.2)	16.1	(9.8-25.4)	14.2	(8.6-22.5)
Education										
High school graduate or less	12.3	(10.7-14.0)	11.1	(9.5-13.0)	19.0	(14.2-25.0)	12.3	(7.1-20.4)	--[c]	--[c]
Some college or more	10.5	(9.6-11.5)	10.3	(9.3-11.4)	12.7	(9.8-16.4)	9.2	(5.0-16.2)	10.9	(6.4-18.1)
Household Income										
< $35,000	16.5	(14.6-18.7)	16.1	(13.9-18.6)	20.0	(15.3-25.8)	12.3	(6.6-21.6)	13.1	(7.2-22.6)
$35,000 +	8.8	(7.8-9.8)	8.4	(7.5-9.5)	11.5	(8.0-16.4)	--[c]	--[c]	8.4	(4.6-14.9)

[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%.

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.

	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
Demographic Characteristics	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	8.3	(7.6-9.0)	8.6	(7.9-9.4)	7.7	(5.8-10.3)	6.7	(4.3-10.2)	7.0	(4.2-11.4)
Age										
18 - 49	2.8	(2.2-3.6)	2.8	(2.1-3.7)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
50 +	13.9	(12.8-15.1)	13.7	(12.5-14.9)	14.5	(10.7-19.3)	15.9	(9.8-24.7)	18.8	(10.2-32.2)
Gender										
Male	7.8	(6.9-8.9)	7.9	(6.9-9.1)	8.4	(5.2-13.2)	--[c]	--[c]	--[c]	--[c]
Female	8.7	(7.9-9.7)	9.2	(8.2-10.3)	7.2	(5.1-9.9)	7.0	(3.8-12.4)	--[c]	--[c]
Education										
High school graduate or less	11.9	(10.6-13.4)	12.7	(11.2-14.4)	10.0	(6.6-14.8)	12.7	(6.9-22.3)	--[c]	--[c]
Some college or more	5.9	(5.3-6.6)	6.2	(5.5-6.9)	5.2	(3.6-7.5)	3.5	(2.2-5.7)	--[c]	--[c]
Household Income										
< $35,000	13.7	(12.1-15.5)	15.9	(14.0-18.1)	7.3	(4.7-11.1)	19.0	(11.3-30.1)	--[c]	--[c]
$35,000 +	5.0	(4.3-5.7)	5.2	(4.5-6.0)	4.2	(2.4-7.4)	--[c]	--[c]	--[c]	--[c]

Table 31: Ever Told Chronic Obstructive Pulmonary Disease (COPD)[a] by Race-Ethnicity
2019 Michigan BRFS

[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%.

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 32: Ever Told Arthritis[a] by Race-Ethnicity
2019 Michigan BRFS

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	30.8	(29.7-31.9)	32.5	(31.3-33.8)	30.3	(26.8-34.1)	18.0	(14.3-22.5)	18.0	(13.5-23.7)
Age										
18 - 49	13.2	(11.9-14.6)	14.0	(12.5-15.7)	13.1	(9.6-17.6)	7.8	(5.1-11.8)	11.0	(6.9-17.2)
50 +	48.6	(47.0-50.2)	48.6	(46.9-50.2)	51.4	(45.5-57.2)	43.6	(34.1-53.7)	41.4	(29.3-54.6)
Gender										
Male	26.7	(25.1-28.3)	27.9	(26.1-29.6)	28.9	(23.4-35.2)	13.1	(9.0-18.7)	16.5	(10.5-24.9)
Female	34.7	(33.1-36.3)	37.0	(35.2-38.8)	31.5	(27.3-36.1)	23.1	(17.1-30.4)	19.4	(13.2-27.6)
Education										
High school graduate or less	34.9	(32.8-37.1)	36.8	(34.4-39.3)	36.2	(30.4-42.5)	27.2	(19.3-36.9)	15.0	(9.3-23.1)
Some college or more	28.2	(26.9-29.4)	30.0	(28.6-31.4)	24.6	(20.6-29.0)	13.1	(9.8-17.4)	21.5	(14.9-29.8)
Household Income										
< $35,000	38.3	(35.9-40.7)	42.0	(39.3-44.9)	33.5	(28.1-39.4)	33.4	(24.4-43.8)	20.4	(12.9-30.6)
$35,000 +	26.9	(25.5-28.3)	28.4	(26.9-30.0)	26.8	(21.5-32.9)	9.6	(6.6-14.0)	15.9	(10.1-24.1)

[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.

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.

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Table 33: Ever Told Heart Attack[a] by Race-Ethnicity
2019 Michigan BRFS

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	4.4	(3.9-4.9)	4.5	(4.0-5.0)	4.6	(3.1-6.9)	3.7	(2.2-6.2)	--[c]	--[c]
Age										
18 - 49	1.1	(0.7-1.7)	1.0	(0.6-1.7)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
50 +	7.7	(6.9-8.6)	7.5	(6.7-8.4)	8.9	(5.8-13.4)	10.6	(6.1-17.8)	--[c]	--[c]
Gender										
Male	5.7	(4.9-6.6)	5.6	(4.8-6.5)	7.4	(4.4-12.1)	--[c]	--[c]	--[c]	--[c]
Female	3.1	(2.7-3.7)	3.4	(2.9-4.1)	2.2	(1.3-3.7)	--[c]	--[c]	--[c]	--[c]
Education										
High school graduate or less	6.0	(5.1-7.1)	6.4	(5.3-7.6)	6.0	(3.4-10.4)	--[c]	--[c]	--[c]	--[c]
Some college or more	3.3	(2.9-3.8)	3.4	(2.9-3.9)	3.4	(2.0-5.6)	2.5	(1.4-4.5)	--[c]	--[c]
Household Income										
< $35,000	6.9	(5.9-8.2)	7.6	(6.4-9.1)	6.1	(3.5-10.5)	--[c]	--[c]	--[c]	--[c]
$35,000 +	3.1	(2.6-3.7)	3.1	(2.6-3.7)	--[c]	--[c]	--[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%.

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 34: Ever Told Angina or Coronary Heart Disease[a] by Race-Ethnicity
2019 Michigan BRFS

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	4.4	(4.0-4.9)	4.8	(4.3-5.3)	3.7	(2.5-5.4)	--[c]	--[c]	--[c]	--[c]
Age										
18 - 49	0.7	(0.4-1.0)	0.6	(0.4-1.0)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
50 +	8.2	(7.4-9.1)	8.3	(7.5-9.2)	7.8	(5.2-11.6)	--[c]	--[c]	--[c]	--[c]
Gender										
Male	5.3	(4.6-6.0)	5.8	(5.0-6.6)	4.1	(2.3-7.4)	--[c]	--[c]	--[c]	--[c]
Female	3.6	(3.1-4.2)	3.8	(3.2-4.4)	3.2	(2.0-5.3)	--[c]	--[c]	--[c]	--[c]
Education										
High school graduate or less	5.5	(4.7-6.5)	5.9	(5.0-7.0)	4.8	(2.8-8.2)	--[c]	--[c]	--[c]	--[c]
Some college or more	3.7	(3.3-4.2)	4.0	(3.6-4.6)	2.6	(1.6-4.3)	--[c]	--[c]	--[c]	--[c]
Household Income										
< $35,000	5.7	(4.8-6.8)	6.6	(5.5-7.8)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
$35,000 +	3.6	(3.2-4.2)	4.0	(3.5-4.7)	--[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%.

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.

Demographic Characteristics	Michigan[b]		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
Table 35: Ever Told Stroke[a] by Race-Ethnicity **2019 Michigan BRFS**										
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	3.6	(3.2-4.1)	3.3	(2.9-3.8)	5.4	(3.8-7.7)	3.2	(2.1-5.0)	--[c]	--[c]
Age										
18 - 49	1.3	(0.8-1.9)	0.8	(0.5-1.4)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
50 +	6.0	(5.3-6.9)	5.5	(4.8-6.2)	9.6	(6.5-13.9)	6.8	(4.1-11.1)	--[c]	--[c]
Gender										
Male	3.3	(2.7-4.1)	2.8	(2.3-3.5)	6.8	(4.0-11.3)	--[c]	--[c]	--[c]	--[c]
Female	3.9	(3.3-4.5)	3.8	(3.2-4.5)	4.2	(2.7-6.6)	--[c]	--[c]	--[c]	--[c]
Education										
High school graduate or less	4.7	(3.8-5.7)	4.3	(3.5-5.3)	7.4	(4.6-11.9)	--[c]	--[c]	--[c]	--[c]
Some college or more	2.9	(2.5-3.4)	2.7	(2.3-3.2)	3.6	(2.2-5.8)	3.2	(1.9-5.4)	--[c]	--[c]
Household Income										
< $35,000	6.3	(5.2-7.6)	6.2	(5.1-7.6)	6.5	(3.8-10.9)	8.6	(4.9-14.7)	--[c]	--[c]
$35,000 +	2.2	(1.8-2.7)	2.0	(1.6-2.4)	--[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%.

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 36: Ever Told Any Cardiovascular Disease[a] by Race-Ethnicity
2019 Michigan BRFS

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	9.3	(8.7-10.0)	9.3	(8.6-10.1)	10.6	(8.3-13.5)	8.1	(5.6-11.6)	7.2	(4.3-11.9)
Age										
18 - 49	2.5	(1.9-3.3)	2.0	(1.4-2.8)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
50 +	16.3	(15.2-17.5)	15.7	(14.5-16.9)	20.1	(15.7-25.3)	21.1	(13.8-30.8)	15.9	(8.6-27.5)
Gender										
Male	10.5	(9.4-11.6)	10.4	(9.3-11.5)	13.5	(9.5-18.8)	7.7	(4.7-12.4)	--[c]	--[c]
Female	8.3	(7.5-9.2)	8.3	(7.5-9.3)	8.1	(5.9-11.0)	8.6	(5.0-14.4)	--[c]	--[c]
Education										
High school graduate or less	12.0	(10.7-13.5)	12.0	(10.6-13.6)	14.2	(10.2-19.4)	11.9	(6.5-20.6)	--[c]	--[c]
Some college or more	7.6	(7.0-8.4)	7.7	(7.0-8.5)	7.4	(5.3-10.2)	6.2	(4.0-9.3)	8.7	(4.7-15.5)
Household Income										
< $35,000	13.9	(12.3-15.6)	14.7	(13.0-16.6)	11.5	(7.9-16.4)	19.4	(12.1-29.5)	--[c]	--[c]
$35,000 +	6.9	(6.1-7.7)	7.0	(6.2-7.8)	8.1	(5.2-12.4)	--[c]	--[c]	--[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%.

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 37: Ever Told Skin Cancer[a] by Race-Ethnicity
2019 Michigan BRFS

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	**6.8**	**(6.3-7.3)**	8.4	(7.8-9.1)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
Age										
18 - 49	1.6	(1.2-2.2)	1.8	(1.3-2.5)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
50 +	12.1	(11.2-13.0)	14.2	(13.1-15.2)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
Gender										
Male	6.7	(6.0-7.5)	8.4	(7.5-9.3)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
Female	6.8	(6.1-7.6)	8.4	(7.5-9.3)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
Education										
High school graduate or less	5.4	(4.6-6.3)	7.0	(6.0-8.2)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
Some college or more	7.6	(7.0-8.3)	9.2	(8.4-10.0)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
Household Income										
< $35,000	5.4	(4.6-6.4)	7.7	(6.5-9.1)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
$35,000 +	7.4	(6.7-8.2)	8.6	(7.8-9.5)	--[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%.

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 38: Ever Told Any Other Type of Cancer[a] by Race-Ethnicity
2019 Michigan BRFS

Demographic Characteristics	Michigan[b] %	Michigan[b] 95% Confidence Interval	White, Non-Hispanic %	White, Non-Hispanic 95% Confidence Interval	Black, Non-Hispanic %	Black, Non-Hispanic 95% Confidence Interval	Other/Multiracial, Non-Hispanic %	Other/Multiracial, Non-Hispanic 95% Confidence Interval	Hispanic %	Hispanic 95% Confidence Interval
Total	8.4	(7.8-9.0)	9.2	(8.5-9.9)	6.8	(5.0-9.1)	4.5	(2.9-7.1)	4.6	(2.6-7.9)
Age										
18 - 49	2.3	(1.8-3.0)	2.7	(2.0-3.6)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
50 +	14.5	(13.5-15.7)	14.7	(13.6-15.9)	13.3	(9.7-17.8)	16.1	(10.2-24.5)	--[c]	--[c]
Gender										
Male	7.0	(6.2-7.9)	7.1	(6.3-8.1)	8.8	(5.7-13.4)	--[c]	--[c]	--[c]	--[c]
Female	9.7	(8.8-10.7)	11.1	(10.0-12.2)	5.0	(3.4-7.4)	5.2	(2.8-9.5)	--[c]	--[c]
Education										
High school graduate or less	8.9	(7.8-10.2)	9.8	(8.5-11.3)	8.3	(5.4-12.5)	--[c]	--[c]	--[c]	--[c]
Some college or more	8.1	(7.4-8.8)	8.8	(8.0-9.6)	5.4	(3.5-8.1)	4.4	(2.5-7.6)	--[c]	--[c]
Household Income										
< $35,000	9.9	(8.6-11.4)	11.0	(9.5-12.7)	8.7	(5.6-13.1)	10.3	(5.6-17.9)	--[c]	--[c]
$35,000 +	7.4	(6.6-8.2)	8.1	(7.2-9.0)	5.0	(3.0-8.3)	--[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%.

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 39: Ever Told Cancer[a] by Race-Ethnicity
2019 Michigan BRFS

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	(12.8-14.3)	15.5	(14.6-16.4)	7.3	(5.5-9.8)	6.4	(4.2-9.8)	6.3	(3.7-10.6)
Age										
18 - 49	3.7	(3.0-4.6)	4.1	(3.3-5.2)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
50 +	23.6	(22.3-24.9)	25.4	(24.0-26.8)	13.7	(10.1-18.3)	19.7	(13.3-28.2)	--[c]	--[c]
Gender										
Male	12.3	(11.2-13.4)	13.7	(12.5-15.0)	9.6	(6.4-14.3)	--[c]	--[c]	--[c]	--[c]
Female	14.7	(13.7-15.8)	17.2	(16.0-18.5)	5.4	(3.7-7.8)	8.6	(4.8-14.9)	--[c]	--[c]
Education										
High school graduate or less	12.8	(11.5-14.3)	14.9	(13.3-16.6)	8.8	(5.8-13.0)	--[c]	--[c]	--[c]	--[c]
Some college or more	14.0	(13.1-14.9)	15.8	(14.8-16.9)	6.1	(4.1-9.0)	6.8	(3.9-11.5)	8.7	(4.7-15.4)
Household Income										
< $35,000	13.7	(12.2-15.4)	16.4	(14.5-18.3)	8.7	(5.6-13.2)	11.4	(6.6-19.0)	--[c]	--[c]
$35,000 +	13.3	(12.3-14.3)	14.9	(13.8-16.0)	6.3	(3.9-10.0)	--[c]	--[c]	--[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%.

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 40: Ever Told Diabetes[a] by Race-Ethnicity
2019 Michigan BRFS

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	(10.4-11.8)	10.9	(10.1-11.7)	14.6	(12.1-17.6)	6.8	(4.8-9.7)	9.2	(6.0-13.9)
Age										
18 - 49	3.8	(3.1-4.6)	3.7	(2.9-4.6)	5.4	(3.3-8.6)	--[c]	--[c]	--[c]	--[c]
50 +	18.5	(17.3-19.7)	17.1	(15.9-18.4)	26.7	(22.0-32.0)	21.3	(14.6-30.1)	24.0	(14.8-36.5)
Gender										
Male	11.5	(10.5-12.7)	11.6	(10.5-12.9)	14.3	(10.3-19.6)	7.6	(4.4-12.6)	--[c]	--[c]
Female	10.6	(9.7-11.6)	10.1	(9.1-11.2)	14.9	(12.0-18.3)	6.1	(3.9-9.4)	11.4	(6.6-18.9)
Education										
High school graduate or less	12.8	(11.5-14.3)	12.7	(11.3-14.3)	15.9	(11.9-21.0)	--[c]	--[c]	--[c]	--[c]
Some college or more	9.9	(9.1-10.7)	9.8	(8.9-10.6)	13.2	(10.4-16.6)	5.5	(3.7-8.1)	10.1	(5.9-16.6)
Household Income										
< $35,000	15.2	(13.6-16.9)	15.2	(13.4-17.2)	17.7	(13.6-22.7)	10.0	(6.0-16.1)	--[c]	--[c]
$35,000 +	9.0	(8.2-9.9)	8.7	(7.8-9.6)	13.6	(9.9-18.5)	6.7	(3.8-11.6)	--[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%.

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 41: Ever Told Kidney Disease[a] by Race-Ethnicity
2019 Michigan BRFS

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)	3.7	(3.3-4.2)	3.3	(2.2-4.9)	--[c]	--[c]	--[c]	--[c]
Age										
18 - 49	1.4	(1.0-1.9)	1.3	(0.9-1.9)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
50 +	5.6	(5.0-6.3)	5.8	(5.1-6.5)	5.4	(3.6-8.0)	--[c]	--[c]	--[c]	--[c]
Gender										
Male	3.3	(2.7-4.0)	3.3	(2.7-4.0)	4.3	(2.4-7.5)	--[c]	--[c]	--[c]	--[c]
Female	3.6	(3.1-4.2)	4.1	(3.5-4.8)	2.4	(1.5-3.9)	--[c]	--[c]	--[c]	--[c]
Education										
High school graduate or less	3.7	(3.1-4.6)	4.2	(3.4-5.1)	--[c]	--[c]	--[c]	--[c]	--[c]	--[c]
Some college or more	3.3	(2.8-3.8)	3.4	(2.9-3.9)	3.4	(2.1-5.3)	--[c]	--[c]	--[c]	--[c]
Household Income										
< $35,000	5.3	(4.4-6.4)	5.8	(4.7-7.2)	4.5	(2.6-7.6)	--[c]	--[c]	--[c]	--[c]
$35,000 +	2.6	(2.2-3.1)	2.7	(2.3-3.3)	--[c]	--[c]	--[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%.

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 42: Ever Told Depression[a] by Race-Ethnicity
2019 Michigan BRFS

Demographic Characteristics	Michigan[b] %	Michigan[b] 95% Confidence Interval	White, Non-Hispanic %	White, Non-Hispanic 95% Confidence Interval	Black, Non-Hispanic %	Black, Non-Hispanic 95% Confidence Interval	Other/Multiracial, Non-Hispanic %	Other/Multiracial, Non-Hispanic 95% Confidence Interval	Hispanic %	Hispanic 95% Confidence Interval
Total	**21.4**	**(20.4-22.5)**	**22.2**	**(21.0-23.4)**	**18.3**	**(15.3-21.7)**	**18.0**	**(14.1-22.8)**	**22.1**	**(16.3-29.2)**
Age										
18 - 49	23.5	(21.7-25.3)	24.9	(22.8-27.0)	20.3	(16.1-25.2)	17.4	(12.7-23.3)	22.5	(15.6-31.3)
50 +	19.4	(18.2-20.7)	19.8	(18.6-21.2)	15.6	(11.7-20.6)	21.0	(14.1-30.1)	21.2	(12.3-34.0)
Gender										
Male	16.0	(14.5-17.5)	16.0	(14.5-17.7)	17.3	(12.7-23.2)	11.0	(7.2-16.4)	16.9	(9.1-29.5)
Female	26.6	(25.1-28.2)	28.0	(26.2-29.8)	19.2	(15.6-23.3)	25.4	(18.8-33.4)	26.6	(19.0-36.0)
Education										
High school graduate or less	23.1	(21.1-25.2)	23.6	(21.4-26.0)	20.0	(15.2-25.7)	25.7	(18.0-35.3)	22.8	(13.9-35.1)
Some college or more	20.4	(19.2-21.6)	21.3	(20.1-22.7)	16.9	(13.4-21.1)	14.0	(9.9-19.3)	20.8	(14.7-28.7)
Household Income										
< $35,000	30.5	(28.1-32.9)	33.5	(30.8-36.4)	22.6	(17.7-28.3)	28.1	(19.4-38.8)	26.3	(16.4-39.4)
$35,000 +	16.5	(15.3-17.7)	17.2	(15.9-18.5)	12.9	(9.1-17.9)	11.5	(7.9-16.6)	16.8	(10.7-25.6)

[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.

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.