Prevalence Estimates for Risk Factors and Health Indicators

State of Michigan

Selected Tables

Michigan Behavioral Risk Factor Survey

2024

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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 ICF Macro Inc., 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 2024, the total sample size of interviews for the core survey was 11,419 (land line = 3,067; cell phone = 8,352). Due to variability in response rates to individual questions and differences in specific sub-populations of interest for particular questions, not all estimates are based on a total sample size of 11,419. As a result, item-by-item sample sizes and population descriptions are included within each table. Furthermore, only comparisons between estimates with non-overlapping 95% confidence intervals should be considered significantly different.

For the 2024 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 2024 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 2024 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 2011-2021 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 us at MIBRFSS@michigan.gov.

Table 1: Health Status **2024 Michigan BRFS**		
	General Health, Fair or Poor[a]	
	%	**95% Confidence Interval**
Total	**21.1**	**(20.0-22.2)**
Age		
18 – 24	16.6	(12.9-21.1)
25 – 34	16.8	(14.1-19.9)
35 – 44	16.9	(14.4-19.8)
45 – 54	23.6	(20.7-26.8)
55 – 64	25.6	(23.2-28.3)
65 – 74	22.7	(20.6-25.0)
75 +	27.3	(24.5-30.3)
Gender		
Male	20.9	(19.4-22.5)
Female	21.3	(19.9-22.9)
Race/Ethnicity		
White non-Hispanic	19.4	(18.2-20.6)
Black non-Hispanic	29.4	(25.7-33.4)
Other non-Hispanic	20.6	(16.8-25.1)
Hispanic	22.8	(17.6-29.1)
Education		
Less than high school	39.9	(34.0-46.1)
High school graduate	24.8	(22.8-27.0)
Some college	23.2	(21.2-25.2)
College graduate	9.5	(8.5-10.5)
Household Income		
< $20,000	45.0	(40.2-49.9)
$20,000 - $34,999	32.0	(28.8-35.3)
$35,000 - $49,999	24.3	(21.2-27.8)
$50,000 - $74,999	17.4	(14.7-20.6)
$75,000 +	9.6	(8.4-11.0)

[a] Among all adults, the proportion who reported that their health, in general, was either fair or poor. (N = 11,384)

Table 2: Health Status on at Least 14 Days in the Past Month
2024 Michigan BRFS

	Poor Physical Health[a]		Poor Mental Health[b]		Activity Limitation[c]	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	**14.8**	**(13.9-15.8)**	**17.1**	**(16.0-18.2)**	**11.5**	**(10.6-12.4)**
Age						
18 – 24	8.6	(6.0-12.2)	24.6	(20.3-29.4)	10.6	(7.6-14.6)
25 – 34	9.5	(7.4-12.1)	22.0	(18.9-25.4)	10.1	(8.1-12.7)
35 – 44	11.8	(9.6-14.4)	19.0	(16.3-22.1)	9.3	(7.3-11.6)
45 – 54	17.9	(15.3-20.9)	18.2	(15.6-21.1)	11.9	(9.7-14.4)
55 – 64	21.3	(19.0-23.9)	16.6	(14.5-19.0)	17.1	(14.9-19.5)
65 – 74	17.2	(15.3-19.3)	10.0	(8.5-11.7)	11.1	(9.5-12.8)
75 +	18.4	(16.2-20.8)	7.5	(6.1-9.2)	10.4	(8.6-12.4)
Gender						
Male	13.3	(12.0-14.6)	12.7	(11.4-14.1)	9.5	(8.4-10.6)
Female	16.3	(15.0-17.7)	21.3	(19.7-23.0)	13.4	(12.2-14.8)
Race/Ethnicity						
White non-Hispanic	14.5	(13.5-15.6)	16.6	(15.5-17.8)	11.0	(10.0-12.0)
Black non-Hispanic	16.7	(13.8-19.9)	19.0	(15.8-22.8)	14.2	(11.4-17.6)
Other non-Hispanic	12.8	(9.7-16.9)	17.4	(13.4-22.3)	11.6	(8.7-15.3)
Hispanic	15.6	(11.2-21.3)	19.0	(14.3-24.9)	10.9	(7.6-15.5)
Education						
Less than high school	26.5	(21.3-32.4)	27.4	(21.9-33.8)	23.5	(18.5-29.3)
High school graduate	17.6	(15.8-19.5)	19.2	(17.3-21.3)	13.0	(11.5-14.8)
Some college	15.4	(13.8-17.1)	18.7	(16.8-20.7)	12.4	(11.0-14.0)
College graduate	8.2	(7.3-9.3)	10.2	(9.1-11.4)	5.5	(4.7-6.3)
Household Income						
< $20,000	32.5	(28.1-37.2)	30.7	(26.2-35.5)	31.8	(27.2-36.8)
$20,000 - $34,999	24.0	(21.2-27.1)	24.0	(21.0-27.4)	18.0	(15.4-20.9)
$35,000 - $49,999	15.8	(13.2-18.7)	17.0	(14.1-20.4)	11.3	(9.2-13.9)
$50,000 - $74,999	10.7	(8.7-13.1)	17.1	(14.3-20.3)	7.6	(6.0-9.7)
$75,000 +	7.8	(6.6-9.0)	11.3	(9.9-12.9)	5.3	(4.4-6.3)

[a] Among all adults, the proportion who reported 14 or more days of poor physical health, which includes physical illness and injury, during the past 30 days. (N =11,068)
[b] Among all adults, the proportion who reported 14 or more days of poor mental health, which includes stress, depression, and problems with emotions, during the past 30 days. (N =11,182)
[c] Among all adults, 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. (N =11,253)

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: Mean Number of Days of Poor Physical Health, Poor Mental Health, and Activity Limitations

2024 Michigan BRFS

	Poor Physical Health[a]		Poor Mental Health[b]		Activity Limitation[c]	
	Mean # of Days	95% Confidence Interval	Mean # of Days	95% Confidence Interval	Mean # of Days	95% Confidence Interval
Total	**4.8**	**(4.6-5.1)**	**5.3**	**(5.1-5.6)**	**3.5**	**(3.3-3.7)**
Age						
18 - 24	3.2	(2.5-3.8)	7.2	(6.3-8.2)	3.4	(2.7-4.1)
25 - 34	3.6	(3.0-4.2)	7.0	(6.3-7.8)	3.3	(2.8-3.9)
35 - 44	4.0	(3.4-4.6)	6.0	(5.3-6.7)	3.0	(2.6-3.5)
45 - 54	5.6	(4.9-6.4)	5.7	(5.1-6.4)	3.6	(3.0-4.2)
55 - 64	6.6	(5.9-7.2)	5.0	(4.4-5.6)	4.8	(4.2-5.4)
65 - 74	5.4	(4.8-5.9)	3.1	(2.7-3.5)	3.2	(2.8-3.6)
75 +	5.6	(5.0-6.2)	2.7	(2.3-3.1)	3.2	(2.7-3.7)
Gender						
Male	4.4	(4.0-4.7)	4.1	(3.8-4.4)	3.0	(2.7-3.3)
Female	5.3	(4.9-5.6)	6.5	(6.1-6.9)	4.0	(3.7-4.3)
Race/Ethnicity						
White non-Hispanic	4.7	(4.5-5.0)	5.2	(4.9-5.5)	3.4	(3.2-3.6)
Black non-Hispanic	5.3	(4.6-6.1)	5.8	(5.0-6.6)	4.1	(3.4-4.9)
Other non-Hispanic	4.6	(3.6-5.6)	5.7	(4.7-6.7)	3.6	(2.8-4.5)
Hispanic	5.1	(3.8-6.4)	5.9	(4.7-7.0)	3.6	(2.6-4.5)
Education						
Less than high school	8.2	(6.8-9.7)	7.8	(6.4-9.3)	6.1	(4.9-7.3)
High school graduate	5.4	(4.9-5.9)	5.8	(5.3-6.3)	3.9	(3.5-4.2)
Some college	5.0	(4.6-5.4)	5.7	(5.2-6.1)	3.8	(3.4-4.1)
College graduate	3.2	(2.9-3.4)	3.7	(3.4-4.0)	2.1	(1.9-2.3)
Household Income						
< $20,000	9.5	(8.4-10.5)	8.9	(7.8-10.1)	8.3	(7.2-9.4)
$20,000 - $34,999	7.3	(6.6-8.0)	7.3	(6.5-8.1)	5.1	(4.5-5.7)
$35,000 - $49,999	5.0	(4.3-5.7)	5.2	(4.4-5.9)	3.7	(3.1-4.3)
$50,000 - $74,999	3.8	(3.2-4.3)	5.2	(4.5-5.9)	2.6	(2.2-3.1)
$75,000 +	3.0	(2.7-3.4)	3.9	(3.5-4.2)	2.0	(1.7-2.2)

[a] Among all adults, the mean number of days during the past 30 days in which physical health, including illness and injury, was not good. (N = 11,068)
[b] Among all adults, the mean number of days during the past 30 days in which mental health, including stress, depression, and problems with emotions, was not good. (N = 11,182)
[c] Among all adults, the mean number of days during the past 30 days in which poor physical health or poor mental health kept the respondent from doing usual activities, such as self-care, work, or recreation. (N = 11,253)

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: Disability
2024 Michigan BRFS

	Total Disability[a]	
	%	95% Confidence Interval
Total	**30.7**	**(29.5-32.0)**
Age		
18 - 24	26.0	(21.6-30.9)
25 - 34	22.9	(19.7-26.4)
35 - 44	23.5	(20.3-26.9)
45 - 54	26.7	(23.6-30.0)
55 - 64	36.1	(33.3-39.0)
65 - 74	32.8	(30.4-35.3)
75 +	52.3	(49.3-55.4)
Gender		
Male	28.6	(26.9-30.5)
Female	32.7	(30.9-34.4)
Race/Ethnicity		
White non-Hispanic	30.2	(28.8-31.6)
Black non-Hispanic	34.3	(30.3-38.6)
Other non-Hispanic	29.5	(24.8-34.7)
Hispanic	29.6	(23.5-36.5)
Education		
Less than high school	55.7	(48.9-62.3)
High school graduate	36.0	(33.6-38.5)
Some college	31.2	(29.1-33.4)
College graduate	17.9	(16.5-19.3)
Household Income		
< $20,000	57.1	(52.0-62.0)
$20,000 - $34,999	46.0	(42.5-49.7)
$35,000 - $49,999	32.4	(28.8-36.1)
$50,000 - $74,999	24.5	(21.7-27.7)
$75,000 +	16.8	(15.2-18.6)

[a] Among all adults, the proportion who reported having serious difficulty hearing, visual impairment, difficulty concentrating, remembering, or making decisions, difficulty walking or climbing stairs, difficulty dressing or bathing, or difficulty doing errands alone. (N = 10,760)

Table 5: Weight Status
2024 Michigan BRFS

	Obese[a]		Overweight[b]		Healthy Weight[c]		Underweight[d]	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	**36.2**	**(34.8-37.5)**	**32.5**	**(31.2-33.8)**	**29.3**	**(28.0-30.6)**	**2.0**	**(1.6-2.6)**
Age								
18 - 24	21.2	(17.1-26.0)	25.4	(21.0-30.4)	47.5	(42.2-52.9)	5.9	(3.8-9.0)
25 - 34	38.9	(34.9-43.1)	29.9	(26.3-33.7)	28.8	(25.4-32.5)	2.4	(1.4-4.3)
35 - 44	39.3	(35.7-43.0)	31.4	(28.1-34.8)	28.3	(25.0-31.9)	1.0	(0.5-1.9)
45 - 54	43.0	(39.5-46.6)	33.2	(30.0-36.6)	22.6	(19.8-25.6)	--[e]	--[e]
55 - 64	41.5	(38.6-44.5)	33.9	(31.1-36.7)	23.3	(20.9-25.9)	--[e]	--[e]
65 - 74	37.3	(34.8-40.0)	36.2	(33.7-38.9)	25.2	(23.0-27.6)	1.2	(0.8-1.9)
75 +	27.3	(24.6-30.2)	37.7	(34.8-40.8)	33.2	(30.3-36.2)	1.8	(1.1-2.9)
Gender								
Male	33.9	(32.1-35.8)	38.2	(36.3-40.2)	26.7	(24.9-28.5)	1.2	(0.8-1.7)
Female	38.5	(36.6-40.4)	26.6	(24.9-28.3)	32.0	(30.2-33.9)	2.9	(2.2-3.9)
Race/Ethnicity								
White non-Hispanic	35.8	(34.3-37.3)	33.5	(32.1-35.0)	28.8	(27.4-30.2)	1.9	(1.5-2.5)
Black non-Hispanic	43.9	(39.5-48.3)	26.3	(22.5-30.5)	28.3	(24.2-32.8)	--[e]	--[e]
Other non-Hispanic	25.0	(20.6-30.0)	33.5	(28.5-38.8)	37.6	(32.4-43.1)	--[e]	--[e]
Hispanic	38.6	(31.8-45.9)	30.2	(24.1-37.1)	28.6	(22.2-35.9)	--[e]	--[e]
Education								
< High school	41.7	(35.1-48.5)	26.0	(20.6-32.2)	28.5	(22.9-34.8)	--[e]	--[e]
High school graduate	37.1	(34.6-39.7)	32.6	(30.1-35.1)	27.8	(25.3-30.3)	2.6	(1.8-3.6)
Some college	39.0	(36.6-41.5)	31.0	(28.8-33.4)	28.1	(25.9-30.5)	1.8	(1.1-2.9)
College graduate	30.6	(28.8-32.4)	36.0	(34.1-37.9)	32.1	(30.3-34.0)	1.3	(0.9-1.9)
Household Income								
< $20,000	40.1	(35.4-45.0)	24.0	(20.2-28.3)	32.4	(27.6-37.6)	--[e]	--[e]
$20,000 - $34,999	40.5	(36.9-44.1)	27.6	(24.5-30.9)	28.4	(25.3-31.7)	3.6	(2.2-5.8)
$35,000 - $49,999	37.3	(33.5-41.3)	33.4	(29.5-37.5)	27.2	(23.6-31.1)	--[e]	--[e]
$50,000 - $74,999	37.4	(33.8-41.2)	33.8	(30.5-37.2)	27.7	(24.5-31.2)	1.1	(0.6-2.0)
$75,000 +	33.9	(31.7-36.1)	36.3	(34.2-38.5)	28.7	(26.7-30.8)	1.1	(0.6-1.8)

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. (N =10,330)

[a] Among all adults, the proportion of respondents whose BMI was greater than or equal to 30.0.

[b] Among all adults, the proportion of respondents whose BMI was greater than or equal to 25.0, but less than 30.0.

[c] Among all adults, the proportion of respondents whose BMI was greater than or equal to 18.5, but less than 25.0.

[d] Among all adults, the proportion of respondents whose BMI was less than 18.5.

[e] Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Table 6: Health Care Coverage
2024 Michigan BRFS

	No Health Care Coverage[a] (Among 18 - 64 year olds)	
	%	95% Confidence Interval
Total	**7.3**	**(6.3-8.4)**
Age		
18 - 24	9.3	(6.2-13.7)
25 - 34	9.8	(7.4-12.8)
35 - 44	8.1	(6.3-10.4)
45 - 54	5.9	(4.4-7.9)
55 - 64	4.1	(3.0-5.6)
Gender		
Male	8.1	(6.7-9.7)
Female	6.5	(5.2-8.1)
Race/Ethnicity		
White non-Hispanic	6.6	(5.6-7.9)
Black non-Hispanic	9.3	(6.6-13.0)
Other non-Hispanic	6.8	(4.2-11.0)
Hispanic	11.9	(7.5-18.4)
Education		
Less than high school	17.1	(11.4-24.8)
High school graduate	9.4	(7.6-11.6)
Some college	6.9	(5.5-8.8)
College graduate	3.1	(2.4-4.1)
Household Income		
< $20,000	8.9	(5.5-13.9)
$20,000 - $34,999	12.9	(10.0-16.6)
$35,000 - $49,999	12.1	(8.7-16.7)
$50,000 - $74,999	7.0	(4.5-10.6)
$75,000 +	2.7	(1.8-3.9)

[a] Among adults 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. (N = 6,095)

Table 7: Health Care Access
2024 Michigan BRFS

	No Personal Health Care Provider[a]		No Health Care Access During Past 12 Months Due to Cost[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**11.5**	**(10.5-12.6)**	**11.3**	**(10.3-12.2)**
Age				
18 - 24	26.7	(22.0-31.9)	14.2	(10.8-18.3)
25 - 34	19.9	(16.8-23.4)	17.9	(14.8-21.4)
35 - 44	15.9	(13.3-18.8)	14.2	(11.8-16.9)
45 - 54	8.1	(6.5-10.1)	12.4	(10.2-14.8)
55 - 64	4.8	(3.7-6.2)	10.3	(8.5-12.4)
65 - 74	3.6	(2.6-5.0)	4.7	(3.7-6.0)
75 +	2.2	(1.5-3.4)	3.1	(2.1-4.5)
Gender				
Male	14.6	(13.1-16.3)	10.5	(9.3-11.9)
Female	8.6	(7.3-10.0)	12.0	(10.7-13.4)
Race/Ethnicity				
White non-Hispanic	10.2	(9.2-11.4)	9.8	(8.9-10.9)
Black non-Hispanic	14.6	(11.3-18.6)	14.7	(11.8-18.2)
Other non-Hispanic	14.3	(10.7-18.9)	13.7	(10.2-18.1)
Hispanic	16.4	(11.6-22.7)	17.9	(12.9-24.3)
Education				
Less than high school	19.5	(14.6-25.6)	20.8	(16.0-26.6)
High school graduate	15.1	(13.1-17.4)	11.7	(10.1-13.6)
Some college	10.6	(9.0-12.5)	12.8	(11.2-14.7)
College graduate	6.8	(5.8-7.9)	6.0	(5.1-7.0)
Household Income				
< $20,000	15.8	(11.9-20.7)	20.6	(16.6-25.3)
$20,000 - $34,999	13.8	(11.2-16.8)	19.2	(16.5-22.2)
$35,000 - $49,999	14.3	(11.2-18.1)	16.2	(13.3-19.6)
$50,000 - $74,999	13.6	(10.8-16.8)	9.5	(7.3-12.2)
$75,000 +	7.8	(6.6-9.4)	5.0	(4.0-6.3)

[a] Among all adults, the proportion who reported that they did not have anyone that they thought of as their personal doctor or health care provider. (N = 11,299)
[b] Among all adults, the proportion who reported that in the past 12 months, they could not see a doctor when they needed to due to the cost. (N = 11,377)

Table 8: No Leisure Time Physical Activity
2024 Michigan BRFS

	No Leisure Time Physical Activity[a]	
	%	95% Confidence Interval
Total	**21.9**	**(20.9-23.0)**
Age		
18 – 24	11.7	(8.8-15.3)
25 – 34	16.4	(13.7-19.6)
35 – 44	17.5	(14.7-20.6)
45 – 54	23.3	(20.4-26.4)
55 – 64	25.5	(23.1-28.1)
65 – 74	25.8	(23.6-28.2)
75 +	36.2	(33.3-39.2)
Gender		
Male	19.8	(18.3-21.4)
Female	24.0	(22.5-25.5)
Race/Ethnicity		
White non-Hispanic	21.0	(19.8-22.2)
Black non-Hispanic	26.1	(22.7-29.8)
Other non-Hispanic	23.0	(18.9-27.7)
Hispanic	20.3	(15.4-26.3)
Education		
Less than high school	31.7	(26.3-37.7)
High school graduate	28.3	(26.2-30.5)
Some college	23.0	(21.1-24.9)
College graduate	11.4	(10.2-12.6)
Household Income		
< $20,000	35.5	(31.2-40.1)
$20,000 - $34,999	31.1	(27.9-34.4)
$35,000 - $49,999	26.1	(22.8-29.8)
$50,000 - $74,999	22.1	(19.3-25.2)
$75,000 +	11.5	(10.1-13.0)

[a] Among all adults, the proportion who reported not participating in any leisure time physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise during the past month. (N = 11,369)

Table 9: Cigarette Smoking
2024 Michigan BRFS

	Current Smoking[a]		Former Smoking[b]		Never Smoked	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	**13.4**	**(12.5-14.4)**	**28.6**	**(27.4-29.8)**	**58.0**	**(56.6-59.3)**
Age						
18 – 24	3.7	(2.0-6.7)	7.7	(5.2-11.2)	88.6	(84.5-91.7)
25 – 34	10.9	(8.6-13.9)	20.8	(17.5-24.5)	68.3	(64.2-72.1)
35 – 44	18.5	(15.7-21.8)	28.9	(25.6-32.4)	52.6	(48.9-56.3)
45 – 54	18.2	(15.5-21.2)	30.4	(27.2-33.8)	51.5	(47.9-55.0)
55 – 64	19.2	(16.8-21.9)	31.2	(28.5-34.1)	49.5	(46.6-52.5)
65 – 74	13.4	(11.5-15.5)	39.9	(37.3-42.6)	46.7	(44.1-49.4)
75 +	6.4	(4.9-8.2)	43.0	(40.0-46.0)	50.7	(47.6-53.7)
Gender						
Male	13.6	(12.3-15.1)	30.1	(28.4-31.9)	56.3	(54.3-58.2)
Female	13.2	(12.0-14.6)	27.1	(25.4-28.8)	59.7	(57.8-61.6)
Race/Ethnicity						
White non-Hispanic	12.6	(11.6-13.7)	31.8	(30.4-33.3)	55.6	(54.1-57.1)
Black non-Hispanic	15.6	(12.8-18.9)	17.2	(14.2-20.6)	67.2	(63.0-71.2)
Other non-Hispanic	17.8	(13.6-22.9)	18.6	(15.0-22.8)	63.6	(58.2-68.8)
Hispanic	12.8	(8.9-18.2)	22.8	(17.0-29.8)	64.4	(57.0-71.1)
Education						
Less than high school	32.8	(26.9-39.3)	32.4	(26.3-39.1)	34.9	(28.7-41.6)
High school graduate	16.6	(14.8-18.5)	31.4	(29.1-33.9)	52.0	(49.3-54.6)
Some college	13.7	(12.1-15.4)	31.2	(29.1-33.5)	55.1	(52.7-57.5)
College graduate	4.8	(4.0-5.7)	21.8	(20.3-23.3)	73.4	(71.7-75.1)
Household Income						
< $20,000	31.1	(26.6-36.1)	25.3	(21.4-29.8)	43.5	(38.6-48.6)
$20,000 - $34,999	20.3	(17.5-23.3)	33.0	(29.6-36.5)	46.8	(43.1-50.5)
$35,000 - $49,999	16.5	(13.6-19.8)	31.1	(27.6-34.9)	52.4	(48.3-56.5)
$50,000 - $74,999	11.6	(9.4-14.3)	31.0	(27.7-34.4)	57.5	(53.8-61.0)
$75,000 +	6.9	(5.8-8.2)	26.8	(24.9-28.9)	66.3	(64.1-68.4)

[a] Among all adults, 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. (N = 10,475)
[b] Among all adults, the proportion who reported that they had ever smoked at least 100 cigarettes (5 packs) in their life, but they do not smoke cigarettes now. (N = 10,475)

Table 10: Current Smokers Who Attempted to Quit
2024 Michigan BRFS

	Tried to Quit Smoking One Day or Longer in Past Year[a]	
	%	**95% Confidence Interval**
Total	**52.5**	**(47.5-57.4)**
Age		
18 – 24	--[b]	--[b]
25 – 34	48.7	(33.0-64.7)
35 – 44	51.6	(40.4-62.6)
45 – 54	61.6	(50.2-71.8)
55 – 64	55.1	(45.9-64.0)
65 – 74	47.3	(37.5-57.3)
75 +	55.9	(39.0-71.6)
Gender		
Male	50.1	(43.0-57.2)
Female	54.8	(47.9-61.5)
Race/Ethnicity		
White non-Hispanic	49.6	(43.8-55.4)
Black non-Hispanic	62.6	(49.5-74.2)
Other non-Hispanic	58.9	(41.4-74.4)
Hispanic	42.0	(22.4-64.5)
Education		
Less than high school	54.9	(40.0-68.9)
High school graduate	50.5	(43.0-58.1)
Some college	53.3	(45.2-61.2)
College graduate	52.7	(41.7-63.4)
Household Income		
< $20,000	56.9	(44.9-68.2)
$20,000 - $34,999	54.7	(44.2-64.8)
$35,000 - $49,999	46.1	(33.5-59.1)
$50,000 - $74,999	53.5	(39.7-66.7)
$75,000 +	52.6	(42.0-62.9)

[a] Among current smokers, the proportion who reported that during the past 12 months, they had tried to quit smoking for one day or longer. (N = 793)
[b] Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Table 11: E-Cigarette Use
2024 Michigan BRFS

	Current E-Cigarette Use[a]	
	%	**95% Confidence Interval**
Total	**9.8**	**(8.9-10.8)**
Age		
18 – 24	19.7	(15.8-24.2)
25 – 34	18.1	(15.2-21.4)
35 – 44	15.4	(12.7-18.6)
45 – 54	7.8	(6.0-10.2)
55 – 64	3.6	(2.7-4.9)
65 – 74	2.5	(1.8-3.5)
75 +	--[b]	--[b]
Gender		
Male	10.1	(8.8-11.6)
Female	9.5	(8.3-10.9)
Race/Ethnicity		
White non-Hispanic	10.3	(9.2-11.5)
Black non-Hispanic	6.0	(4.0-8.7)
Other non-Hispanic	11.1	(7.6-16.0)
Hispanic	11.2	(7.6-16.3)
Education		
Less than high school	16.9	(11.8-23.6)
High school graduate	12.6	(10.8-14.7)
Some college	10.0	(8.6-11.7)
College graduate	4.9	(4.0-5.9)
Household Income		
< $20,000	12.2	(8.9-16.6)
$20,000 - $34,999	13.8	(11.1-17.0)
$35,000 - $49,999	11.5	(9.0-14.6)
$50,000 - $74,999	9.2	(7.1-12.0)
$75,000 +	7.6	(6.4-9.0)

[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. (N = 10,425)
[b] Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Table 12: Smokeless Tobacco Use
2024 Michigan BRFS

	Current Smokeless Tobacco Use[a]	
	%	**95% Confidence Interval**
Total	**2.6**	**(2.1-3.1)**
Age		
18 – 24	--[b]	--[b]
25 – 34	4.8	(3.2-7.2)
35 – 44	2.9	(1.9-4.4)
45 – 54	2.6	(1.7-3.9)
55 – 64	2.7	(1.8-3.8)
65 – 74	1.6	(1.1-2.5)
75 +	--[b]	--[b]
Gender		
Male	4.4	(3.6-5.3)
Female	0.8	(0.5-1.2)
Race/Ethnicity		
White non-Hispanic	2.9	(2.4-3.6)
Black non-Hispanic	--[b]	--[b]
Other non-Hispanic	--[b]	--[b]
Hispanic	--[b]	--[b]
Education		
Less than high school	--[b]	--[b]
High school graduate	4.0	(3.1-5.3)
Some college	2.0	(1.3-2.9)
College graduate	1.8	(1.3-2.4)
Household Income		
< $20,000	--[b]	--[b]
$20,000 - $34,999	2.2	(1.3-3.6)
$35,000 - $49,999	3.1	(1.9-4.9)
$50,000 - $74,999	2.3	(1.3-4.0)
$75,000 +	3.3	(2.5-4.3)

[a] Among all adults, the proportion who reported that they currently use chewing tobacco, snuff or snus, either every day or on some days. (N = 10,484)
[b] Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Table 13: Hookah Use
2024 Michigan BRFS

	Current Hookah Use[a]	
	%	95% Confidence Interval
Total	**1.2**	**(0.8-1.9)**
Age		
18 – 24	--[b]	--[b]
25 – 34	--[b]	--[b]
35 – 44	--[b]	--[b]
45 – 54	--[b]	--[b]
55 – 64	--[b]	--[b]
65 – 74	--[b]	--[b]
75 +	--[b]	--[b]
Gender		
Male	--[b]	--[b]
Female	--[b]	--[b]
Race/Ethnicity		
White non-Hispanic	0.9	(0.6-1.5)
Black non-Hispanic	--[b]	--[b]
Other non-Hispanic	--[b]	--[b]
Hispanic	--[b]	--[b]
Education		
Less than high school	--[b]	--[b]
High school graduate	--[b]	--[b]
Some college	--[b]	--[b]
College graduate	--[b]	--[b]
Household Income		
< $20,000	--[b]	--[b]
$20,000 - $34,999	--[b]	--[b]
$35,000 - $49,999	--[b]	--[b]
$50,000 - $74,999	--[b]	--[b]
$75,000 +	--[b]	--[b]

[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 day. (N = 6,544)
[b] Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Table 14: Alcohol Consumption
2024 Michigan BRFS

	Any Alcohol in Past Month[a]		Heavy Drinking[b]		Binge Drinking[c]	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	**52.3**	**(50.9-53.7)**	**6.1**	**(5.5-6.8)**	**15.3**	**(14.3-16.4)**
Age						
18 – 24	48.0	(42.6-53.5)	5.6	(3.8-8.1)	20.2	(16.4-24.7)
25 – 34	61.6	(57.5-65.6)	7.5	(5.6-10.0)	22.7	(19.5-26.2)
35 – 44	56.5	(52.7-60.3)	6.7	(5.1-8.7)	18.4	(15.8-21.4)
45 – 54	56.3	(52.7-59.9)	6.3	(4.7-8.5)	18.6	(15.9-21.6)
55 – 64	52.2	(49.1-55.2)	6.9	(5.5-8.5)	13.3	(11.3-15.5)
65 – 74	48.2	(45.5-50.9)	5.8	(4.5-7.4)	8.2	(6.7-10.0)
75 +	38.5	(35.5-41.5)	3.8	(2.7-5.1)	3.4	(2.4-4.8)
Gender						
Male	55.3	(53.3-57.4)	6.2	(5.3-7.2)	19.0	(17.4-20.7)
Female	49.3	(47.4-51.3)	6.1	(5.2-7.1)	11.7	(10.4-13.0)
Race/Ethnicity						
White non-Hispanic	54.0	(52.5-55.6)	6.5	(5.8-7.3)	15.6	(14.5-16.8)
Black non-Hispanic	47.9	(43.2-52.6)	4.8	(3.2-7.4)	13.8	(10.7-17.6)
Other non-Hispanic	44.8	(39.4-50.3)	3.6	(2.1-6.2)	12.2	(9.0-16.2)
Hispanic	51.0	(43.5-58.4)	8.9	(5.3-14.6)	20.8	(15.4-27.6)
Education						
Less than high school	34.0	(27.8-40.8)	5.8	(3.4-9.7)	12.9	(9.1-18.0)
High school graduate	45.2	(42.5-48.0)	5.9	(4.7-7.3)	15.2	(13.2-17.4)
Some college	51.3	(48.8-53.9)	6.5	(5.4-7.8)	14.9	(13.2-16.8)
College graduate	65.5	(63.6-67.4)	6.2	(5.3-7.2)	16.6	(15.0-18.2)
Household Income						
< $20,000	32.7	(28.1-37.6)	6.0	(4.0-8.8)	12.0	(9.2-15.5)
$20,000 - $34,999	40.9	(37.3-44.6)	6.5	(4.8-8.7)	13.3	(10.9-16.1)
$35,000 - $49,999	45.7	(41.5-49.9)	6.1	(4.4-8.4)	15.8	(12.9-19.3)
$50,000 - $74,999	52.4	(48.6-56.2)	6.0	(4.5-7.9)	14.1	(11.7-16.9)
$75,000 +	66.9	(64.8-69.1)	6.9	(5.9-8.2)	19.1	(17.3-21.0)

[a] Among all adults, the proportion who reported consuming at least one drink of any alcoholic beverage in the previous month. (N = 10,058)
[b] Among all adults, the proportion who reported consuming an average of more than two alcoholic drinks per day for men or more than one per day for women in the previous month. (N =9,999)
[c] Among all adults, the proportion who reported consuming five or more drinks per occasion (for men) or 4 or more drinks per occasion (for women) at least once in the previous month. (N = 9,982)

Table 15: Mean Number of Binge Drinking Occasions during the Past Month among Binge Drinkers
2024 Michigan BRFS

	Number of Binge Drinking Occasions[a]	
	Mean	**95% Confidence Interval**
Total	**5.0**	**(4.3-5.7)**
Age		
18 – 24	3.3	(2.5-4.1)
25 – 34	5.2	(3.8-6.6)
35 – 44	4.8	(3.6-6.0)
45 – 54	4.7	(3.6-5.7)
55 – 64	5.4	(4.2-6.6)
65 – 74	--[b]	--[b]
75+	8.5	(3.9-13.1)
Gender		
Male	5.7	(4.7-6.7)
Female	3.9	(3.2-4.6)
Race/Ethnicity		
White non-Hispanic	4.9	(4.1-5.7)
Black non-Hispanic	5.2	(3.1-7.3)
Other non-Hispanic	4.6	(2.4-6.8)
Hispanic	6.1	(3.2-9.0)
Education		
Less than high school	--[b]	--[b]
High school graduate	5.2	(4.1-6.3)
Some college	5.5	(4.5-6.5)
College graduate	3.5	(3.0-4.0)
Household Income		
< $20,000	5.2	(3.4-7.0)
$20,000 - $34,999	6.8	(4.6-9.1)
$35,000 - $49,999	6.4	(2.7-10.1)
$50,000 - $74,999	5.7	(4.1-7.4)
$75,000 +	4.2	(3.6-4.9)

[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. (N = 1,275)
[b] Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Table 16: No Routine Checkup in Past Year
2024 Michigan BRFS

	Had No Routine Checkup in Past Year[a]	
	%	**95% Confidence Interval**
Total	**19.6**	**(18.5-20.8)**
Age		
18 - 24	34.3	(29.5-39.3)
25 - 34	31.7	(28.1-35.5)
35 - 44	27.4	(24.3-30.8)
45 - 54	16.9	(14.7-19.5)
55 - 64	12.6	(10.8-14.7)
65 - 74	7.4	(6.1-8.9)
75 +	5.3	(4.1-6.8)
Gender		
Male	22.4	(20.7-24.2)
Female	16.9	(15.4-18.5)
Race/Ethnicity		
White non-Hispanic	19.4	(18.2-20.7)
Black non-Hispanic	18.0	(14.7-21.8)
Other non-Hispanic	18.7	(14.8-23.2)
Hispanic	26.1	(20.1-33.2)
Education		
Less than high school	27.6	(21.9-34.0)
High school graduate	21.9	(19.8-24.2)
Some college	19.1	(17.1-21.2)
College graduate	15.5	(14.1-17.0)
Household Income		
< $20,000	20.3	(16.2-25.0)
$20,000 - $34,999	21.0	(17.8-24.5)
$35,000 - $49,999	22.6	(19.1-26.5)
$50,000 - $74,999	23.1	(19.9-26.6)
$75,000 +	17.5	(15.8-19.4)

[a] Among all adults, the proportion who reported that they did not have a routine checkup in the past year. (N = 11,296)

Table 17: Mammography Indicators Among Women Aged 40 Years and Older
2024 Michigan BRFS

	Ever Had Mammogram[a]		Had Mammogram in Past Year[b]		Had Mammogram in Past TwoYears[c]	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	**93.8**	**(92.6-94.9)**	**59.3**	**(57.2-61.3)**	**74.9**	**(73.0-76.6)**
Age						
40 - 49	78.9	(74.1-83.1)	51.7	(46.6-56.8)	66.2	(61.0-71.0)
50 - 59	96.7	(94.9-97.9)	64.9	(60.6-69.0)	80.8	(77.1-84.1)
60 - 69	98.4	(97.4-99.1)	66.2	(62.5-69.8)	83.4	(80.3-86.0)
70 +	98.0	(97.0-98.7)	53.5	(50.4-56.6)	68.4	(65.3-71.3)
Race/Ethnicity						
White non-Hispanic	94.2	(93.0-95.3)	58.5	(56.3-60.6)	74.3	(72.3-76.2)
Black non-Hispanic	--[d]	--[d]	66.4	(59.8-72.5)	82.0	(75.8-87.0)
Other non-Hispanic	--[d]	--[d]	56.7	(47.4-65.7)	71.7	(62.7-79.2)
Hispanic	--[d]	--[d]	57.9	(43.7-70.9)	69.7	(55.5-80.9)
Education						
< High school	--[d]	--[d]	45.2	(34.8-56.1)	63.2	(52.6-72.6)
High school graduate	93.4	(90.3-95.6)	55.0	(51.1-58.9)	70.5	(66.6-74.1)
Some college	94.1	(92.1-95.6)	58.6	(55.1-62.0)	74.7	(71.6-77.7)
College graduate	94.3	(92.4-95.7)	67.0	(64.1-69.8)	81.7	(79.3-83.9)
Household Income						
< $20,000	--[d]	--[d]	49.2	(42.0-56.4)	67.6	(60.2-74.3)
$20,000 - $34,999	94.5	(91.8-96.4)	52.1	(47.2-56.8)	67.3	(62.6-71.7)
$35,000 - $49,999	92.6	(87.2-95.9)	54.6	(48.3-60.7)	74.7	(68.7-80.0)
$50,000 - $74,999	--[d]	--[d]	59.9	(54.4-65.2)	76.5	(71.2-81.1)
$75,000 +	93.7	(91.5-95.4)	68.1	(64.6-71.4)	82.0	(78.9-84.6)

Note: Data included diagnostic tests.
[a] Among women aged 40 years and older, the proportion who reported ever having a mammogram. (N = 4,703)
[b] Among women aged 40 years and older, the proportion who reported having a mammogram in the past year. (N = 4,613)
[c] Among women aged 40 years and older, the proportion who reported having a mammogram in the past two years. (N = 4,613)
[d] Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Table 18: Cervical Cancer Screening Among Women Aged 18 Years and Older
2024 Michigan BRFS

	Ever Had Cervical Cancer Screening Test[a]		Had Cervical Cancer Screening Test in Past Three Years[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**79.7**	**(77.5-81.7)**	**68.2**	**(65.6-70.7)**
Age				
18 - 29	48.8	(42.8-54.8)	56.2	(49.4-62.8)
30 - 39	88.6	(83.9-92.0)	70.7	(65.1-75.8)
40 - 49	90.6	(85.6-93.9)	72.1	(66.5-77.1)
50 - 59	93.1	(89.7-95.5)	74.8	(69.8-79.2)
60 - 69	90.3	(87.3-92.7)	67.4	(61.5-72.8)
70 +	79.8	(76.1-83.0)	.-	-
Race/Ethnicity				
White non-Hispanic	82.2	(79.8-84.4)	69.7	(66.7-72.5)
Black non-Hispanic	75.7	(69.1-81.3)	67.2	(59.4-74.1)
Other non-Hispanic	67.2	(56.5-76.4)	60.5	(49.2-70.8)
Hispanic	74.4	(63.6-82.8)	65.2	(52.8-75.8)
Education				
Less than high school	62.1	(50.1-72.7)	52.6	(38.8-66.0)
High school graduate	70.1	(65.3-74.5)	60.3	(54.3-66.0)
Some college	79.1	(75.0-82.7)	67.7	(62.8-72.3)
College graduate	91.8	(89.8-93.4)	76.8	(73.6-79.8)
Household Income				
< $20,000	64.7	(56.0-72.5)	53.1	(43.8-62.2)
$20,000 - $34,999	71.4	(65.3-76.8)	57.7	(50.5-64.6)
$35,000 - $49,999	77.8	(71.3-83.1)	66.9	(58.8-74.1)
$50,000 - $74,999	87.4	(82.7-91.0)	75.5	(68.7-81.2)
$75,000 +	90.0	(87.3-92.3)	78.3	(74.7-81.5)

Note: Data includes diagnostic tests and excludes women who have had a hysterectomy.
[a] Among women aged 18 years and older, the proportion who reported ever having a cervical cancer screening test. (N = 3,981)
[b] Among women aged 21-65 years and older, the proportion who reported having a cervical cancer screening test in the past three years (N = 2,385)
[c] Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Table 19: Colorectal Cancer Screening (Blood Stool Test) Among Adults Aged 50 Years and Older
2024 Michigan BRFS

	Ever Had Blood Stool Test[a]		Had Blood Stool Test in Past Two Years[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**80.5**	**(78.0-82.9)**	**43.6**	**(40.5-46.6)**
Age				
50 - 59	78.5	(73.1-83.1)	52.6	(46.2-59.0)
60 - 69	80.3	(75.5-84.4)	41.7	(36.6-47.0)
70 +	82.2	(78.4-85.4)	38.4	(34.1-42.9)
Gender				
Male	80.1	(76.1-83.5)	39.6	(35.2-44.2)
Female	80.9	(77.5-84.0)	47.0	(42.9-51.1)
Race/Ethnicity				
White non-Hispanic	80.4	(77.6-82.9)	43.2	(40.0-46.5)
Black non-Hispanic	80.5	(68.7-88.5)	47.8	(36.2-59.8)
Other non-Hispanic	--[c]	--[c]	36.0	(24.0-50.0)
Hispanic	--[c]	--[c]	48.8	(28.4-69.7)
Education				
Less than high school	--[c]	--[c]	51.5	(33.8-68.8)
High school graduate	82.6	(77.5-86.7)	50.7	(44.5-56.8)
Some college	80.1	(75.5-84.0)	41.6	(36.5-46.8)
College graduate	80.4	(76.7-83.7)	39.0	(34.8-43.5)
Household Income				
< $20,000	77.5	(66.1-85.9)	51.8	(41.2-62.3)
$20,000 - $34,999	82.1	(75.5-87.2)	42.3	(35.1-49.9)
$35,000 - $49,999	82.2	(72.8-88.9)	40.2	(31.9-49.0)
$50,000 - $74,999	80.7	(74.3-85.9)	44.2	(36.9-51.9)
$75,000 +	78.4	(73.7-82.5)	43.7	(38.2-49.4)

[a] Among adults aged 50 years and older, the proportion who reported ever having a blood stool test using a home kit. (N = 1,967)
[b] Among adults aged 50 years and older, the proportion who reported having a blood stool test within the past two years using a home kit (N = 1,914)
[c] Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Table 20: Colorectal Cancer Screening (Sigmoidoscopy/Colonoscopy) Among Adults Aged 50 Years and Older
2024 Michigan BRFS

	Ever Had a Sigmoidoscopy or Colonoscopy[a]		Had a Sigmoidoscopy or Colonoscopy in Past 5 Years[b]		Had a Sigmoidoscopy in Past 5 Years or Colonoscopy in Past 10 Years[c]	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	**81.2**	**(79.8-82.5)**	**59.2**	**(57.6-60.8)**	**74.1**	**(72.6-75.5)**
Age						
50 - 59	70.0	(66.9-73.0)	54.8	(51.5-58.0)	66.4	(63.2-69.4)
60 - 69	85.9	(83.8-87.7)	65.3	(62.6-67.9)	79.9	(77.5-82.0)
70 +	86.5	(84.7-88.1)	57.1	(54.7-59.5)	75.3	(73.1-77.3)
Gender						
Male	81.8	(79.9-83.7)	61.4	(59.0-63.7)	75.8	(73.7-77.8)
Female	80.6	(78.7-82.4)	57.3	(55.0-59.4)	72.5	(70.4-74.5)
Race/Ethnicity						
White non-Hispanic	81.9	(80.4-83.2)	58.6	(56.8-60.3)	74.5	(72.9-76.1)
Black non-Hispanic	82.9	(78.7-86.5)	69.7	(64.5-74.5)	78.7	(74.1-82.6)
Other non-Hispanic	76.3	(68.4-82.7)	52.9	(44.9-60.9)	68.2	(59.9-75.4)
Hispanic	63.0	(49.5-74.7)	47.5	(35.3-59.9)	54.9	(42.0-67.2)
Education						
Less than high school	65.8	(57.6-73.2)	43.5	(35.4-52.0)	58.1	(49.5-66.2)
High school graduate	79.2	(76.7-81.5)	55.4	(52.3-58.5)	71.9	(69.0-74.5)
Some college	82.5	(80.2-84.5)	61.8	(59.0-64.4)	75.0	(72.4-77.3)
College graduate	86.0	(84.2-87.7)	63.9	(61.6-66.1)	79.6	(77.5-81.5)
Household Income						
< $20,000	71.2	(65.7-76.1)	50.7	(44.8-56.6)	65.5	(59.8-70.9)
$20,000 - $34,999	80.5	(77.2-83.4)	57.5	(53.4-61.5)	72.0	(68.2-75.5)
$35,000 - $49,999	80.3	(76.0-84.0)	56.3	(51.4-61.0)	73.4	(68.9-77.5)
$50,000 - $74,999	86.0	(82.8-88.6)	63.3	(59.3-67.1)	79.0	(75.4-82.2)
$75,000 +	84.5	(82.2-86.6)	64.3	(61.5-67.0)	78.4	(75.8-80.7)

[a] Among adults aged 50 years and older, the proportion who reported ever having a sigmoidoscopy or colonoscopy. (N = 7,174)
[b] Among adults aged 50 years and older, the proportion who reported having a sigmoidoscopy or colonoscopy in the past five years. (N = 6,915)
[c] Among adults aged 50 years and older, the proportion who reported having a sigmoidoscopy in the past five years or a colonoscopy in the past ten years. (N = 6,930)

Table 21: Appropriate Colorectal Cancer Screening Among Adults 50 Years and Older
2024 Michigan BRFS

	Appropriate Colorectal Cancer Screening[a]	
	%	95% Confidence Interval
Total	**76.9**	**(75.5-78.3)**
Age		
50 - 59	71.4	(68.3-74.3)
60 - 69	81.8	(79.5-83.9)
70 +	77.0	(74.9-79.0)
Gender		
Male	78.1	(76.0-80.1)
Female	75.8	(73.8-77.7)
Race/Ethnicity		
White non-Hispanic	77.6	(76.1-79.1)
Black non-Hispanic	79.4	(74.9-83.3)
Other non-Hispanic	70.1	(61.9-77.2)
Hispanic	60.3	(46.8-72.3)
Education		
Less than high school	62.2	(53.7-70.0)
High school graduate	74.6	(71.9-77.2)
Some college	77.5	(75.1-79.8)
College graduate	82.5	(80.5-84.3)
Household Income		
< $20,000	68.9	(63.3-74.0)
$20,000 - $34,999	74.8	(71.1-78.1)
$35,000 - $49,999	75.6	(71.2-79.5)
$50,000 - $74,999	81.9	(78.5-84.9)
$75,000 +	81.5	(79.1-83.7)

[a] Among adults aged 50 years and older, the proportion who reported having 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. (N = 6,950)

Table 22: Oral Health
2024 Michigan BRFS

	No Dental Visit in Past Year[a]		6+ Teeth Missing[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**30.6**	**(29.3-31.9)**	**15.0**	**(14.2-15.9)**
Age				
18 - 24	34.4	(29.6-39.5)	--[c]	--[c]
25 - 34	36.4	(32.7-40.3)	2.5	(1.5-4.1)
35 - 44	32.4	(29.0-35.9)	9.1	(7.2-11.5)
45 - 54	31.8	(28.7-35.1)	14.6	(12.3-17.3)
55 - 64	30.5	(27.8-33.3)	22.4	(19.9-25.1)
65 - 74	24.6	(22.4-27.0)	29.4	(26.9-31.9)
75 +	23.0	(20.5-25.7)	30.1	(27.3-33.1)
Gender				
Male	32.7	(30.8-34.5)	14.8	(13.6-16.1)
Female	28.6	(26.9-30.4)	15.2	(14.0-16.5)
Race/Ethnicity				
White non-Hispanic	28.4	(27.0-29.8)	14.8	(13.8-15.8)
Black non-Hispanic	39.0	(34.9-43.3)	18.9	(16.1-22.1)
Other non-Hispanic	34.3	(29.4-39.5)	14.6	(11.3-18.6)
Hispanic	35.0	(28.7-41.8)	9.5	(6.3-14.0)
Education				
Less than high school	50.7	(44.3-57.0)	34.5	(29.1-40.4)
High school graduate	39.2	(36.7-41.7)	20.3	(18.5-22.1)
Some college	29.7	(27.6-31.9)	14.1	(12.7-15.6)
College graduate	17.3	(15.8-18.8)	5.2	(4.6-6.0)
Household Income				
< $20,000	48.1	(43.2-53.1)	30.6	(26.6-34.9)
$20,000 - $34,999	45.8	(42.2-49.4)	27.7	(24.8-30.8)
$35,000 - $49,999	36.7	(32.8-40.8)	21.5	(18.5-24.8)
$50,000 - $74,999	29.7	(26.5-33.2)	13.2	(11.1-15.7)
$75,000 +	18.2	(16.4-20.1)	4.6	(3.8-5.5)

[a] Among all adults, the proportion who reported that they had not visited a dentist or dental clinic for any reason in the previous year. (N = 11,288)
[b] Among all adults, the proportion who reported that they were missing 6+ teeth due to tooth decay or gum disease. This excludes teeth lost for other reasons, such as injury or orthodontics. (N = 11,186)
[c] Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Table 23: Immunizations among Adults Aged 65 Years and Older
2024 Michigan BRFS

	Had Flu Vaccine in Past Year[a]		Ever Had Pneumonia Vaccine[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**62.9**	**(60.8-64.9)**	**70.8**	**(68.8-72.7)**
Age				
65 - 74	59.2	(56.4-61.9)	65.7	(63.0-68.4)
75 +	68.2	(65.2-71.0)	78.2	(75.3-80.8)
Gender				
Male	62.0	(58.9-65.0)	68.3	(65.2-71.3)
Female	63.6	(60.9-66.3)	72.9	(70.3-75.4)
Race/Ethnicity				
White non-Hispanic	63.4	(61.2-65.5)	72.6	(70.5-74.6)
Black non-Hispanic	61.9	(53.9-69.2)	58.1	(49.8-66.0)
Other non-Hispanic	58.8	(48.5-68.4)	67.3	(57.1-76.1)
Hispanic	60.7	(41.0-77.5)	--[c]	--[c]
Education				
Less than high school	48.4	(37.5-59.5)	58.8	(47.6-69.2)
High school graduate	59.0	(55.2-62.7)	66.2	(62.4-69.8)
Some college	62.5	(58.9-65.9)	71.4	(67.9-74.7)
College graduate	71.4	(68.6-74.0)	78.2	(75.6-80.6)
Household Income				
< $20,000	50.7	(41.9-59.4)	67.6	(58.9-75.1)
$20,000 - $34,999	52.7	(47.8-57.5)	68.1	(63.3-72.5)
$35,000 - $49,999	59.5	(53.7-65.0)	70.2	(64.4-75.5)
$50,000 - $74,999	72.4	(67.9-76.5)	72.8	(68.1-77.1)
$75,000 +	69.6	(65.6-73.4)	73.4	(69.4-77.1)

[a] Among adults aged 65 years and older, the proportion who reported that they had a flu vaccine, either by an injection in the arm or sprayed in the nose during the past 12 months. (N = 4,350)
[b] Among adults aged 65 years and older, the proportion who reported that they ever had a pneumococcal vaccine. (N = 4,233)
[c] Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Table 24: HIV Testing among Adults Aged 18 - 64 Years **2024 Michigan BRFS**		
	Ever Had an HIV Test[a]	
	%	**95% Confidence Interval**
Total	**45.9**	**(44.1-47.7)**
Age		
18 – 24	27.6	(23.0-32.8)
25 – 34	45.6	(41.4-49.8)
35 – 44	58.3	(54.5-62.1)
45 – 54	55.7	(52.0-59.4)
55 – 64	41.2	(38.2-44.3)
Gender		
Male	41.5	(39.0-44.0)
Female	50.4	(47.9-53.0)
Race/Ethnicity		
White non-Hispanic	42.9	(40.8-44.9)
Black non-Hispanic	60.8	(55.0-66.4)
Other non-Hispanic	41.4	(35.0-48.0)
Hispanic	52.8	(44.6-60.9)
Education		
Less than high school	56.8	(48.3-64.9)
High school graduate	41.2	(37.8-44.7)
Some college	47.5	(44.3-50.8)
College graduate	45.5	(43.0-48.0)
Household Income		
< $20,000	54.7	(48.5-60.8)
$20,000 - $34,999	50.8	(45.7-55.9)
$35,000 - $49,999	42.6	(37.0-48.3)
$50,000 - $74,999	45.7	(40.6-50.8)
$75,000 +	46.1	(43.4-48.7)

[a] Among adults aged 18 - 64 years, the proportion who reported that they ever had been tested for HIV, apart from tests that were part of a blood donation. Don't know was considered a valid response to this question. (N = 5,361)

Table 25: Asthma among Adults
2024 Michigan BRFS

	Lifetime Asthma Prevalence[a]		Current Asthma Prevalence[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**18.0**	**(17.0-19.0)**	**12.7**	**(11.9-13.7)**
Age				
18 - 24	20.0	(16.2-24.3)	12.7	(9.7-16.5)
25 - 34	19.0	(16.2-22.1)	12.5	(10.2-15.3)
35 - 44	21.2	(18.4-24.2)	14.5	(12.1-17.3)
45 - 54	20.2	(17.6-23.1)	14.8	(12.4-17.5)
55 - 64	17.8	(15.7-20.1)	14.2	(12.3-16.4)
65 - 74	14.8	(13.0-16.8)	11.3	(9.8-13.1)
75 +	11.8	(10.1-13.8)	7.9	(6.5-9.5)
Gender				
Male	14.1	(12.8-15.5)	8.3	(7.3-9.4)
Female	21.7	(20.2-23.2)	17.0	(15.6-18.5)
Race/Ethnicity				
White non-Hispanic	17.4	(16.3-18.5)	12.2	(11.2-13.2)
Black non-Hispanic	20.7	(17.5-24.3)	16.3	(13.4-19.7)
Other non-Hispanic	16.6	(13.0-21.0)	11.7	(8.5-15.8)
Hispanic	20.2	(14.9-26.8)	13.1	(8.9-18.8)
Education				
Less than high school	24.4	(19.4-30.2)	20.6	(15.9-26.1)
High school graduate	17.3	(15.5-19.2)	11.8	(10.3-13.4)
Some college	19.1	(17.3-21.0)	14.2	(12.6-15.9)
College graduate	15.6	(14.2-17.0)	9.8	(8.7-11.1)
Household Income				
< $20,000	22.8	(19.0-27.0)	18.4	(15.0-22.5)
$20,000 - $34,999	23.3	(20.4-26.5)	17.2	(14.6-20.2)
$35,000 - $49,999	16.5	(13.8-19.6)	12.5	(10.1-15.3)
$50,000 - $74,999	15.4	(13.0-18.2)	9.3	(7.4-11.5)
$75,000 +	16.0	(14.4-17.7)	10.5	(9.1-12.0)

[a] Among all adults, the proportion who reported that they were ever told by a doctor, nurse, or other health care professional that they had asthma. (N = 11,369)
[b] Among all adults, the proportion who reported that they still had asthma. (N = 11,317)

Table 26: Asthma among Children
2024 Michigan BRFS

	Lifetime Asthma Prevalence[a]		Current Asthma Prevalence[b]	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	**12.6**	**(10.5-14.9)**	**9.0**	**(7.2-11.1)**
Age				
0 - 4	--[c]	--[c]	--[c]	--[c]
5 - 9	14.2	(9.7-20.3)	10.5	(6.7-15.9)
10 - 14	17.5	(13.0-23.1)	12.2	(8.4-17.4)
15 - 17	14.7	(10.6-20.2)	10.0	(6.7-14.7)
Gender				
Boy	16.4	(13.2-20.2)	12.1	(9.3-15.5)
Girl	8.9	(6.5-12.1)	6.2	(4.2-9.0)
Race/Ethnicity				
White non-Hispanic	9.2	(7.4-11.6)	7.1	(5.4-9.3)
Black non-Hispanic	23.8	(16.7-32.7)	14.2	(8.9-21.9)
Other non-Hispanic	11.2	(6.8-17.8)	6.0	(3.3-10.6)
Hispanic	16.8	(8.9-29.4)	--[c]	--[c]
Respondent Education				
Less than high school	--[c]	--[c]	--[c]	--[c]
High school graduate	12.2	(8.0-18.0)	7.6	(4.5-12.6)
Some college	13.7	(10.1-18.4)	9.7	(6.7-14.0)
College graduate	11.5	(8.9-14.8)	8.7	(6.5-11.7)
Household Income				
< $20,000	19.8	(10.7-33.8)	--[c]	--[c]
$20,000 - $34,999	23.6	(16.6-32.5)	17.2	(11.4-25.3)
$35,000 - $49,999	18.3	(10.3-30.3)	--[c]	--[c]
$50,000 - $74,999	11.2	(6.9-17.4)	7.1	(4.0-12.5)
$75,000 +	8.4	(6.4-11.1)	5.8	(4.2-8.1)

[a] Estimated proportion of Michigan children aged 0-17 years who were ever told by a doctor, nurse or other health professional that they had asthma, using proxy information from the adult respondent. (N = 1,684).
[b] Estimated proportion of Michigan children aged 0-17 years who still have asthma, using proxy information from the adult respondent. (N = 1,680)
[c] Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Table 27: Chronic Obstructive Pulmonary Disease (COPD) 2024 Michigan BRFS		
	Ever Told COPD, Emphysema or Chronic Bronchitis[a]	
	%	95% Confidence Interval
Total	**8.9**	**(8.2-9.6)**
Age		
18 - 24	--[b]	--[b]
25 - 34	1.8	(1.0-3.1)
35 - 44	4.5	(3.2-6.5)
45 - 54	8.3	(6.4-10.6)
55 - 64	14.9	(12.8-17.2)
65 - 75	15.2	(13.4-17.2)
75 +	15.2	(13.1-17.5)
Gender		
Male	7.2	(6.3-8.2)
Female	10.5	(9.5-11.7)
Race/Ethnicity		
White non-Hispanic	9.1	(8.3-9.9)
Black non-Hispanic	9.7	(7.7-12.1)
Other non-Hispanic	8.4	(5.7-12.0)
Hispanic	6.0	(3.5-10.1)
Education		
Less than high school	20.4	(16.0-25.6)
High school graduate	10.9	(9.6-12.3)
Some college	9.2	(8.1-10.5)
College graduate	3.2	(2.7-3.8)
Household Income		
< $20,000	18.5	(15.4-22.1)
$20,000 - $34,999	16.8	(14.4-19.6)
$35,000 - $49,999	9.7	(7.7-12.1)
$50,000 - $74,999	7.7	(6.2-9.5)
$75,000 +	3.2	(2.5-4.0)

[a] Among all adults, the proportion who reported ever being told by a doctor that they had chronic obstructive pulmonary disease (COPD), emphysema or chronic bronchitis. (N = 11,362)
[b] Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Table 28: Arthritis
2024 Michigan BRFS

Demographic Characteristics	Ever Told Arthritis[a]	
	%	95% Confidence Interval
Total	**31.5**	**(30.4-32.7)**
Age		
18 - 24	4.6	(3.0-7.2)
25 - 34	8.7	(6.8-11.0)
35 - 44	18.9	(16.2-21.9)
45 - 54	32.6	(29.5-35.9)
55 - 64	46.1	(43.3-48.9)
65 - 75	53.2	(50.6-55.8)
75 +	61.2	(58.3-64.1)
Gender		
Male	27.4	(25.8-29.0)
Female	35.5	(33.9-37.2)
Race/Ethnicity		
White non-Hispanic	33.3	(32.0-34.6)
Black non-Hispanic	28.6	(25.2-32.3)
Other non-Hispanic	26.6	(22.4-31.4)
Hispanic	20.3	(15.5-26.0)
Education		
Less than high school	35.6	(30.1-41.6)
High school graduate	32.5	(30.4-34.7)
Some college	34.2	(32.1-36.4)
College graduate	26.4	(24.9-28.0)
Household Income		
< $20,000	42.9	(38.3-47.7)
$20,000 - $34,999	39.3	(36.0-42.7)
$35,000 - $49,999	34.6	(31.0-38.3)
$50,000 - $74,999	29.2	(26.4-32.2)
$75,000 +	24.6	(22.8-26.4)

[a] Among all adults, the proportion who reported ever being told by a doctor that they had some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia. (N = 11,364)

Table 29: Cardiovascular Disease
2024 Michigan BRFS

	Ever Told Heart Attack[a]		Had Told Angina or Coronary Heart Disease[b]		Ever Told Stroke[c]		Ever Told Any Cardiovascular Disease[d]	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	**5.5**	**(5.0-6.0)**	**5.3**	**(4.8-5.8)**	**4.0**	**(3.6-4.5)**	**10.6**	**(9.9-11.3)**
Age								
18 - 34	--[e]	--[e]	--[e]	--[e]	--[e]	--[e]	--[e]	--[e]
35 - 44	1.7	(1.0-2.9)	0.7	(0.3-1.3)	--[e]	--[e]	2.8	(1.9-4.2)
45 - 54	3.6	(2.5-5.2)	3.4	(2.3-5.0)	4.3	(3.0-6.1)	8.4	(6.6-10.7)
55 - 64	10.1	(8.4-12.2)	8.3	(6.8-10.2)	5.5	(4.3-7.1)	16.3	(14.2-18.6)
65 - 74	9.7	(8.2-11.3)	11.9	(10.2-13.8)	7.3	(6.1-8.8)	20.3	(18.2-22.5)
75 +	14.1	(11.9-16.5)	14.8	(12.9-16.9)	10.4	(8.6-12.5)	28.3	(25.6-31.2)
Gender								
Male	6.8	(6.0-7.8)	6.8	(6.0-7.6)	3.9	(3.3-4.6)	12.1	(11.1-13.3)
Female	4.2	(3.5-4.9)	3.9	(3.3-4.5)	4.2	(3.5-4.9)	9.1	(8.2-10.1)
Race/Ethnicity								
White non-Hispanic	5.8	(5.2-6.5)	6.0	(5.4-6.6)	4.0	(3.5-4.5)	11.1	(10.3-12.0)
Black non-Hispanic	6.9	(5.0-9.3)	4.5	(3.3-6.1)	5.3	(3.9-7.2)	11.8	(9.5-14.5)
Other non-Hispanic	2.8	(1.6-4.7)	2.3	(1.3-3.9)	3.2	(2.0-5.1)	6.7	(4.8-9.3)
Hispanic	--[e]	--[e]	--[e]	--[e]	--[e]	--[e]	5.6	(3.3-9.2)
Education								
< High school	11.1	(8.0-15.3)	9.2	(6.5-12.8)	7.3	(4.8-11.0)	18.2	(14.2-23.2)
High school graduate	5.7	(4.9-6.7)	5.2	(4.4-6.1)	4.3	(3.5-5.2)	10.9	(9.6-12.3)
Some college	6.1	(5.2-7.1)	5.6	(4.8-6.5)	4.5	(3.8-5.4)	11.7	(10.5-13.1)
College graduate	3.0	(2.5-3.5)	3.9	(3.4-4.5)	2.4	(1.9-2.8)	6.8	(6.1-7.6)
Household Income								
< $20,000	11.5	(8.8-15.0)	7.2	(5.5-9.5)	8.8	(6.6-11.7)	19.1	(15.7-23.0)
$20,000 - $34,999	9.6	(7.9-11.6)	9.0	(7.4-11.0)	5.2	(3.9-6.8)	16.6	(14.3-19.1)
$35,000 - $49,999	6.9	(5.2-9.1)	7.3	(5.7-9.2)	4.4	(3.0-6.2)	13.0	(10.7-15.7)
$50,000 - $74,999	4.1	(3.2-5.2)	5.0	(3.9-6.3)	3.4	(2.5-4.5)	9.4	(7.9-11.1)
$75,000 +	2.6	(2.1-3.2)	3.3	(2.7-4.0)	2.2	(1.7-2.8)	5.8	(5.0-6.8)

Among all adults, the proportion who had ever been told by a doctor that…
[a] they had a heart attack or myocardial infarction (N = 11,334);
[b] they had angina or coronary heart disease (N = 11,307);
[c] they had a stroke. (N = 11,385)
[d] they had a heart attack, coronary heart disease or a stroke. (N = 11,286)
[e] Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Table 30: Cancer
2024 Michigan BRFS

	Ever Told Skin Cancer[a]		Ever Told Any Other Types of Cancer[b]		Ever Told Cancer[c]	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	**5.4**	**(5.0-5.9)**	**9.4**	**(8.8-10.1)**	**12.7**	**(12.0-13.4)**
Age						
18 - 34	--[d]	--[d]	1.0	(0.6-1.6)	1.0	(0.6-1.7)
35 - 44	--[d]	--[d]	4.2	(2.9-6.0)	5.2	(3.8-7.1)
45 - 54	3.4	(2.4-5.0)	5.6	(4.3-7.3)	8.2	(6.5-10.3)
55 - 64	6.3	(5.2-7.7)	12.1	(10.3-14.1)	16.1	(14.1-18.3)
65 - 74	12.7	(11.1-14.5)	19.6	(17.6-21.7)	27.1	(24.9-29.4)
75 +	17.2	(15.1-19.4)	27.0	(24.5-29.7)	35.9	(33.2-38.8)
Gender						
Male	5.2	(4.6-5.9)	8.5	(7.7-9.4)	11.4	(10.4-12.4)
Female	5.6	(5.0-6.3)	10.3	(9.4-11.3)	13.9	(12.9-15.1)
Race/Ethnicity						
White non-Hispanic	6.9	(6.3-7.5)	10.7	(10.0-11.5)	14.9	(14.0-15.8)
Black non-Hispanic	--[d]	--[d]	5.2	(3.8-7.0)	5.9	(4.4-7.9)
Other non-Hispanic	2.5	(1.5-4.1)	8.2	(5.7-11.5)	9.4	(6.8-12.8)
Hispanic	--[d]	--[d]	4.5	(2.5-7.7)	5.0	(2.9-8.2)
Education						
Less than high school	--[d]	--[d]	7.4	(4.8-11.0)	8.8	(6.0-12.7)
High school graduate	5.0	(4.2-6.0)	9.4	(8.2-10.7)	12.1	(10.8-13.6)
Some college	5.8	(5.0-6.8)	10.0	(8.9-11.3)	13.8	(12.5-15.2)
College graduate	6.2	(5.5-7.0)	9.5	(8.6-10.5)	13.2	(12.2-14.3)
Household Income						
< $20,000	3.1	(2.1-4.5)	7.7	(5.9-9.8)	9.8	(7.8-12.2)
$20,000 - $34,999	4.8	(3.7-6.2)	9.6	(8.1-11.4)	12.4	(10.6-14.5)
$35,000 - $49,999	6.2	(4.8-7.9)	11.7	(9.6-14.2)	14.8	(12.5-17.5)
$50,000 - $74,999	6.7	(5.4-8.3)	11.5	(9.8-13.4)	15.4	(13.4-17.6)
$75,000 +	5.3	(4.5-6.1)	7.8	(6.9-8.8)	10.9	(9.8-12.1)

[a] Among all adults, the proportion who reported ever being told by a doctor that they had skin cancer. (N = 11,352)
[b] Among all adults, the proportion who reported ever being told by a doctor that they had a form of cancer other than skin cancer. (N = 11,362)
[c] Among all adults, the proportion who reported ever being told by a doctor that they had skin cancer or any other type of cancer. (N = 11,347)
[d] Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Table 31: Diabetes
2024 Michigan BRFS

	Ever Told Diabetes[a]	
	%	**95% Confidence Interval**
Total	**13.6**	**(12.8-14.5)**
Age		
18 – 24	--[b]	--[b]
25 – 34	3.3	(2.0-5.5)
35 – 44	5.5	(4.1-7.4)
45 – 54	16.6	(14.1-19.4)
55 – 64	21.3	(19.0-23.8)
65 – 74	24.0	(21.8-26.3)
75 +	23.2	(20.7-26.0)
Gender		
Male	14.2	(13.0-15.5)
Female	13.1	(12.0-14.3)
Race/Ethnicity		
White non-Hispanic	13.0	(12.1-13.9)
Black non-Hispanic	19.8	(16.8-23.1)
Other non-Hispanic	11.6	(9.0-14.8)
Hispanic	12.9	(8.8-18.5)
Education		
Less than high school	19.1	(14.8-24.4)
High school graduate	14.0	(12.5-15.7)
Some college	15.5	(14.0-17.1)
College graduate	9.5	(8.6-10.6)
Household Income		
< $20,000	21.3	(17.8-25.1)
$20,000 - $34,999	19.2	(16.7-22.0)
$35,000 - $49,999	16.5	(13.9-19.5)
$50,000 - $74,999	13.1	(10.9-15.5)
$75,000 +	9.2	(8.0-10.5)

[a] Among all adults, the proportion who reported that they were ever told by a doctor that they had diabetes. Adults told they have prediabetes and women who had diabetes only during pregnancy were classified as not having been diagnosed. (N = 11,385)
[b] Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Table 32: Kidney Disease
2024 Michigan BRFS

	Ever Told Kidney Disease[a]	
	%	95% Confidence Interval
Total	**4.5**	**(4.1-5.0)**
Age		
18 – 24	--[b]	--[b]
25 – 34	--[b]	---[b]
35 – 44	1.6	(1.0-2.5)
45 – 54	3.6	(2.6-5.0)
55 – 64	6.6	(5.2-8.2)
65 – 74	8.1	(6.8-9.7)
75 +	12.3	(10.5-14.2)
Gender		
Male	4.6	(3.9-5.3)
Female	4.5	(3.9-5.1)
Race/Ethnicity		
White non-Hispanic	4.2	(3.8-4.7)
Black non-Hispanic	7.5	(5.7-9.9)
Other non-Hispanic	3.5	(2.4-5.2)
Hispanic	--[b]	---[b]
Education		
Less than high school	3.8	(2.4-6.1)
High school graduate	4.7	(3.9-5.6)
Some college	5.3	(4.5-6.3)
College graduate	3.6	(3.1-4.3)
Household Income		
< $20,000	6.3	(4.7-8.4)
$20,000 - $34,999	7.1	(5.7-8.9)
$35,000 - $49,999	7.0	(5.3-9.0)
$50,000 - $74,999	4.2	(3.2-5.5)
$75,000 +	2.4	(1.9-3.1)

[a] Among all adults, the proportion who reported ever being told by a doctor that they had kidney disease. (N = 11,366)
[b] Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Table 33: Depression
2024 Michigan BRFS

	Ever Told Depression[a]	
	%	95% Confidence Interval
Total	**26.8**	**(25.6-28.0)**
Age		
18 – 24	30.2	(25.8-35.1)
25 – 34	34.8	(31.2-38.6)
35 – 44	32.8	(29.5-36.2)
45 – 54	31.4	(28.4-34.7)
55 – 64	24.5	(22.1-27.0)
65 – 74	18.2	(16.3-20.2)
75 +	13.4	(11.6-15.5)
Gender		
Male	19.2	(17.7-20.8)
Female	34.0	(32.2-35.8)
Race/Ethnicity		
White non-Hispanic	27.6	(26.3-29.0)
Black non-Hispanic	23.1	(19.8-26.8)
Other non-Hispanic	25.2	(20.8-30.1)
Hispanic	27.4	(21.6-34.1)
Education		
Less than high school	35.9	(30.0-42.3)
High school graduate	27.2	(25.1-29.6)
Some college	28.1	(26.0-30.3)
College graduate	22.1	(20.6-23.8)
Household Income		
< $20,000	38.0	(33.4-42.8)
$20,000 - $34,999	34.3	(30.9-37.9)
$35,000 - $49,999	28.4	(24.9-32.2)
$50,000 - $74,999	27.1	(23.9-30.5)
$75,000 +	21.5	(19.7-23.4)

[a] Among all adults, the proportion who reported ever being told by a doctor that they had a depressive disorder including depression, major depression, dysthymia, or minor depression. (N = 11,366)