Prevalence Estimates for Risk Factors and Health Indicators

State of Michigan

Selected Tables

Michigan Behavioral Risk Factor Survey

2014

Chronic Disease Epidemiology Section
Lifecourse Epidemiology and Genomics Division
Bureau of Disease Control, Prevention, and Epidemiology
Michigan Department of Health and Human Services

Table of Contents

Introduction	3
Health Status Tables	
Table 1: General Health Status	4
Table 2: Health Status on at Least 14 Days in the Past Month	5
Table 3: Mean Number of Days of Poor Physical Health, Poor Mental Health, and Activity Limitations	6
Table 4: Disability	7
Table 5: Weight Status	8
Table 6: Health Care Access	9
Risk Behaviors Tables	
Table 7: No Leisure Time Physical Activity	10
Table 8: Cigarette Smoking	11
Table 9: Current Smokers Who Attempted to Quit	12
Table 10: Smokeless Tobacco	13
Table 11: Alcohol Consumption	14
Table 12: Mean Number of Binge Drinking Occassions During the Past Month Among Binge Drinkers	15
Table 13: Drove Motor Vehicle After Drinking	16
Table 14: Seatbelt Use	17
Clinical Preventative Practices	
Table 15: No Routine Checkup in Past Year	18
Table 16: Clinical Breast Exam Indicators Among Women Aged 20 Years and Older	19
Table 17: Mammography Indicators Among Women Aged 40 Years and Older	20
Table 18: Cervical Cancer Screening Among Women Aged 18 Years and Older	21
Table 19: Prostate Cancer Screening Among Men Aged 50 Years and Older	22
Table 20: Colorectal Cancer Screening (Blood Stool Test) Among Adults 50 Years and Older	23
Table 21: Colorectal Cancer Screening (Sigmoidoscopy/Colonoscopy) Among Adults 50 Years and Older	24
Table 22: Oral Health	25
Table 23: Immunizations Among Adults Aged 65 Years and Older	26
Table 24: HIV Testing Among Adults Aged 18 - 64 Years	27
Chronic Conditions	
Table 25: Asthma Among Adults	28
Table 26: Asthma Among Children	29
Table 27: Chronic Obstructive Pulmonary Disease (COPD)	30
Table 28: Arthritis	31
Table 29: Cardiovascular Disease	32
Table 30: Cancer	33
Table 31: Diabetes	34
Table 32: Kidney Disease	35
Table 33: Depression	
Table 34: Falls Among Adults Aged 45 Years and Older	37

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 2014, the total sample size of completed interviews for the core survey was 8,466 (land line = 4,973; cell phone = 3,493). 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 8,466. 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 2014 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 2014 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 2014 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 2011-2013 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 Chris Fussman at MDHHS, by phone, (517) 335-8144, or by email, MIBRFSS@michigan.gov.

Table 1: Health Status 2014 Michigan BRFS					
		ral Health, or Poor ^a			
	%	95% Confidence Interval			
Total	16.8	(15.8-17.8)			
Age					
18 – 24	7.8	(5.6-10.7)			
25 – 34	13.2	(10.4-16.6)			
35 – 44	11.9	(9.3-15.0)			
45 – 54	19.0	(16.6-21.7)			
55 – 64	22.3	(20.1-24.7)			
65 – 74	20.3	(18.0-22.8)			
75 +	25.1	(22.1-28.3)			
Gender					
Male	16.8	(15.3-18.4)			
Female	16.7	(15.4-18.1)			
Race/Ethnicity					
White non-Hispanic	15.3	(14.2-16.4)			
Black non-Hispanic	24.3	(20.7-28.2)			
Other non-Hispanic	14.4	(10.9-18.7)			
Hispanic	24.2	(16.7-33.7)			
Education					
Less than high school	33.2	(28.3-38.6)			
High school graduate	19.7	(17.9-21.6)			
Some college	14.9	(13.4-16.5)			
College graduate	7.6	(6.7-8.7)			
Household Income					
< \$20,000	32.8	(29.4-36.5)			
\$20,000 - \$34,999	20.9	(18.5-23.6)			
\$35,000 - \$49,999	15.6	(13.1-18.5)			
\$50,000 - \$74,999	9.1	(7.2-11.4)			
\$75,000 +	7.4	(6.1-8.9)			

^a Among all adults, the proportion who reported that their health, in general, was either fair or poor. (N = 8,454)

Table 2: Health Status on at Least 14 Days in the Past Month 2014 Michigan BRFS

	1	2014 Michiga	IN BRFS		T	
	Poor Phy	ysical Health ^a	Poor M	ental Health ^b	Activity Limitation ^c	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	12.6	(11.8-13.6)	12.9	(11.9-14.0)	8.7	(8.0-9.6)
Age						
18 – 24	5.9	(4.0-8.6)	17.5	(14.0-21.7)	3.3	(1.9-5.8)
25 – 34	7.7	(5.5-10.5)	13.0	(10.3-16.2)	4.7	(3.2-6.8)
35 – 44	9.0	(7.0-11.5)	15.0	(12.1-18.4)	7.8	(5.7-10.4)
45 – 54	16.9	(14.6-19.5)	14.1	(12.0-16.5)	13.3	(11.1-15.7)
55 – 64	17.7	(15.7-19.9)	13.3	(11.5-15.3)	12.8	(11.0-14.8)
65 – 74	14.4	(12.4-16.7)	7.9	(6.3-9.9)	8.0	(6.5-9.7)
75 +	17.0	(14.5-19.8)	5.8	(4.4-7.7)	9.8	(7.8-12.2)
Gender						
Male	11.5	(10.2-12.9)	11.0	(9.6-12.5)	7.9	(6.9-9.1)
Female	13.7	(12.5-15.0)	14.7	(13.3-16.2)	9.5	(8.4-10.6)
Race/Ethnicity						
White non-Hispanic	11.6	(10.8-12.6)	12.1	(11.1-13.2)	8.2	(7.4-9.0)
Black non-Hispanic	15.5	(12.7-18.9)	14.9	(11.9-18.6)	11.9	(9.2-15.2)
Other non-Hispanic	14.6	(10.7-19.6)	15.9	(11.8-21.0)	10.1	(7.0-14.4)
Hispanic	16.1	(9.8-25.3)	18.6	(11.7-28.3)	d	d
Education						
Less than high school	25.8	(21.3-30.8)	27.2	(22.3-32.9)	20.7	(16.6-25.6)
High school graduate	14.0	(12.5-15.7)	13.3	(11.7-15.1)	8.8	(7.6-10.1)
Some college	11.5	(10.2-13.0)	12.0	(10.5-13.7)	7.8	(6.8-9.1)
College graduate	6.2	(5.4-7.2)	6.9	(5.9-8.0)	4.2	(3.5-5.0)
Household Income						
< \$20,000	27.7	(24.4-31.3)	25.0	(21.6-28.7)	21.3	(18.3-24.7)
\$20,000 - \$34,999	15.3	(13.2-17.6)	13.7	(11.5-16.2)	10.0	(8.2-12.0)
\$35,000 - \$49,999	11.3	(9.3-13.8)	13.3	(10.7-16.4)	7.2	(5.6-9.3)
\$50,000 - \$74,999	7.0	(5.5-8.9)	8.5	(6.5-11.1)	4.4	(3.2-5.9)
\$75,000 +	4.4	(3.5-5.6)	6.3	(5.1-7.9)	2.8	(2.1-3.7)

^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 = 8,340)

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 = 8,336)

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 = 8,388)

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

Table 3: Mean Number of Days of Poor Physical Health, Poor Mental Health, and Activity Limitations
2014 Michigan BRFS

	Poor Physical Health ^a		Poor Me	ntal Health ^b	Activity Limitation ^c	
	Mean # of Days	95% Confidence Interval	Mean # of Days	95% Confidence Interval	Mean # of Days	95% Confidence Interval
Total	4.0	(3.8-4.3)	4.1	(3.9-4.4)	2.6	(2.5-2.8)
Age						
18 - 24	2.3	(1.8-2.9)	5.2	(4.4-6.0)	1.3	(0.9-1.8)
25 - 34	2.8	(2.2-3.4)	4.5	(3.8-5.3)	1.7	(1.2-2.1)
35 - 44	3.0	(2.5-3.6)	4.8	(4.0-5.5)	2.4	(1.9-2.9)
45 - 54	5.0	(4.4-5.7)	4.6	(4.0-5.2)	3.8	(3.2-4.4)
55 - 64	5.4	(4.8-5.9)	4.1	(3.6-4.5)	3.6	(3.2-4.1)
65 - 74	4.6	(4.0-5.1)	2.6	(2.2-3.0)	2.5	(2.1-2.9)
75 +	5.2	(4.4-5.9)	1.9	(1.4-2.3)	2.8	(2.2-3.4)
Gender						
Male	3.7	(3.3-4.0)	3.6	(3.2-3.9)	2.4	(2.1-2.7)
Female	4.4	(4.1-4.7)	4.7	(4.3-5.0)	2.9	(2.6-3.2)
Race/Ethnicity						
White non-Hispanic	3.8	(3.6-4.1)	3.9	(3.7-4.2)	2.5	(2.3-2.7)
Black non-Hispanic	4.7	(3.9-5.4)	4.6	(3.8-5.5)	3.4	(2.7-4.1)
Other non-Hispanic	4.3	(3.3-5.4)	4.9	(3.8-5.9)	3.1	(2.1-4.1)
Hispanic	5.0	(3.0-6.9)	5.9	(3.9-8.0)	2.1	(1.1-3.1)
Education						
Less than high school	7.3	(6.1-8.6)	7.3	(6.0-8.5)	5.4	(4.3-6.4)
High school graduate	4.5	(4.1-4.9)	4.3	(3.9-4.7)	2.8	(2.5-3.1)
Some college	3.8	(3.5-4.2)	4.1	(3.7-4.5)	2.5	(2.2-2.7)
College graduate	2.2	(2.0-2.5)	2.5	(2.3-2.7)	1.4	(1.2-1.6)
Household Income						
< \$20,000	8.1	(7.2-8.9)	7.5	(6.6-8.4)	5.9	(5.2-6.7)
\$20,000 - \$34,999	4.8	(4.2-5.3)	4.4	(3.9-5.0)	3.0	(2.6-3.5)
\$35,000 - \$49,999	3.8	(3.2-4.4)	4.3	(3.6-5.0)	2.4	(1.9-2.9)
\$50,000 - \$74,999	2.5	(2.0-2.9)	2.9	(2.3-3.4)	1.5	(1.1-1.8)
\$75,000 +	1.8	(1.6-2.1)	2.4	(2.1-2.7)	1.0	(0.8-1.3)

^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 = 8,340)

^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 = 8,336)

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 = 8,388)

Table 4: Disability 2014 Michigan BRFS

2014 Michigan BRFS							
	Total	Disability ^a	Any Activ	rity Limitation ^b	Used Spec	Used Special Equipment ^c	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	
Total	24.9	(23.8-26.1)	22.5	(21.4-23.6)	10.0	(9.2-10.7)	
Age							
18 - 24	10.0	(7.4-13.5)	9.0	(6.5-12.4)	d	d	
25 - 34	15.6	(12.7-19.0)	14.4	(11.6-17.8)	3.3	(2.1-5.1)	
35 - 44	18.8	(15.7-22.2)	16.4	(13.6-19.8)	6.7	(4.9-9.1)	
45 - 54	25.6	(23.0-28.5)	24.8	(22.1-27.6)	9.9	(8.1-12.1)	
55 - 64	33.1	(30.6-35.6)	30.2	(27.8-32.7)	15.1	(13.2-17.1)	
65 - 74	36.0	(33.3-38.9)	32.1	(29.5-34.9)	14.7	(12.7-16.9)	
75 +	42.1	(38.8-45.5)	34.9	(31.7-38.2)	24.0	(21.2-27.1)	
Gender							
Male	25.1	(23.3-26.9)	22.2	(20.5-23.9)	10.1	(9.0-11.4)	
Female	24.8	(23.3-26.3)	22.7	(21.3-24.2)	9.8	(8.9-10.8)	
Race/Ethnicity							
White non-Hispanic	24.9	(23.7-26.2)	22.5	(21.4-23.8)	9.4	(8.6-10.2)	
Black non-Hispanic	25.2	(21.7-29.0)	23.0	(19.6-26.8)	13.6	(11.1-16.6)	
Other non-Hispanic	22.8	(18.3-28.1)	19.7	(15.5-24.8)	9.7	(6.9-13.5)	
Hispanic	23.3	(16.2-32.3)	21.2	(14.4-30.2)	7.0	(3.9-12.3)	
Education							
Less than high school	39.5	(34.2-45.1)	34.9	(29.8-40.4)	18.1	(14.6-22.3)	
High school graduate	27.1	(25.0-29.2)	24.4	(22.4-26.4)	10.7	(9.4-12.1)	
Some college	22.9	(21.1-24.8)	21.2	(19.4-23.0)	9.0	(7.9-10.3)	
College graduate	18.1	(16.6-19.6)	16.0	(14.6-17.4)	6.4	(5.5-7.3)	
Household Income							
< \$20,000	45.2	(41.4-49.1)	41.4	(37.6-45.2)	20.4	(17.7-23.3)	
\$20,000 - \$34,999	29.4	(26.6-32.2)	26.4	(23.8-29.2)	11.9	(10.2-13.8)	
\$35,000 - \$49,999	23.6	(20.8-26.7)	22.0	(19.2-24.9)	8.8	(7.0-10.9)	
\$50,000 - \$74,999	16.1	(13.8-18.8)	14.8	(12.6-17.4)	5.0	(3.8-6.6)	
\$75,000 +	14.0	(12.4-15.8)	12.2	(10.7-13.9)	4.4	(3.5-5.5)	

^a Among all adults, the proportion who reported being limited in any activities because of physical, mental, or emotional problems, or reported that they required use of special equipment (such as a cane, a wheelchair, a special bed, or a special telephone) due to a health problem. (N = 8.284)

b Among all adults, the proportion who reported being limited in any activities because of physical, mental, or emotional problems. (N = 8,287)

c Among all adults, the proportion who reported that they required use of special equipment (such as a can, a wheelchair, a special bed, or a special telephone) due to a health problem. (N = 8,308)

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

Table 5: Weight Status 2014 Michigan BRFS

	2014 Michigan BRFS							
		Obese ^a	Ov	Overweight ^b		hy Weight ^c	Underweight ^d	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	30.7	(29.4-32.0)	34.9	(33.6-36.2)	32.5	(31.2-33.8)	1.9	(1.5-2.4)
Age								
18 - 24	11.6	(8.9-14.9)	20.8	(17.2-24.9)	62.7	(58.0-67.2)	4.9	(3.2-7.4)
25 - 34	29.0	(25.2-33.2)	35.0	(30.9-39.3)	33.1	(29.3-37.2)	2.9	(1.7-4.9)
35 - 44	33.2	(29.4-37.2)	36.0	(32.1-40.0)	29.6	(26.0-33.5)	e	e
45 - 54	36.4	(33.4-39.4)	37.1	(34.1-40.2)	25.6	(23.0-28.3)	1.0	(0.5-1.8)
55 - 64	36.2	(33.6-38.8)	36.7	(34.2-39.3)	25.8	(23.5-28.2)	1.4	(0.8-2.3)
65 - 74	38.7	(35.9-41.6)	38.8	(36.0-41.7)	21.3	(19.2-23.6)	e	e
75 +	24.6	(21.7-27.7)	41.4	(38.0-44.9)	32.8	(29.7-36.1)	1.2	(0.7-2.0)
Gender								
Male	30.8	(29.0-32.8)	40.5	(38.5-42.6)	27.4	(25.5-29.3)	1.3	(0.8-2.0)
Female	30.6	(28.9-32.3)	29.2	(27.6-31.0)	37.6	(35.7-39.5)	2.6	(2.0-3.4)
Race/Ethnicity								
White non-Hispanic	30.2	(28.8-31.6)	34.8	(33.3-36.2)	33.5	(32.0-35.0)	1.6	(1.2-2.1)
Black non-Hispanic	33.6	(29.6-37.7)	36.6	(32.3-41.0)	27.4	(23.5-31.8)	2.4	(1.3-4.3)
Other non-Hispanic	27.2	(22.1-33.0)	29.6	(24.3-35.5)	37.2	(31.1-43.7)	6.0	(3.3-10.6)
Hispanic	36.8	(27.8-46.9)	33.9	(25.3-43.8)	26.1	(19.1-34.6)	e	e
Education								
< High school	29.4	(24.5-34.7)	35.5	(30.1-41.3)	31.7	(26.5-37.3)	3.5	(1.9-6.2)
High school graduate	33.6	(31.3-35.9)	34.2	(31.9-36.6)	30.5	(28.1-32.9)	1.8	(1.2-2.7)
Some college	32.4	(30.2-34.7)	33.3	(31.1-35.6)	32.2	(29.9-34.5)	2.1	(1.4-3.1)
College graduate	25.2	(23.4-27.1)	37.8	(35.7-39.8)	36.0	(34.0-38.0)	1.0	(0.7-1.6)
Household Income								
< \$20,000	32.2	(28.8-35.8)	30.6	(27.0-34.3)	33.3	(29.6-37.2)	3.9	(2.6-5.9)
\$20,000 - \$34,999	35.9	(32.8-39.0)	33.3	(30.3-36.4)	28.8	(26.0-31.9)	2.0	(1.2-3.4)
\$35,000 - \$49,999	32.8	(29.4-36.3)	37.2	(33.6-40.9)	28.7	(25.4-32.3)	e	e
\$50,000 - \$74,999	30.7	(27.4-34.2)	34.9	(31.5-38.5)	33.5	(30.0-37.2)	e	e
\$75,000 +	27.5	(25.2-29.9)	38.2	(35.7-40.7)	33.0	(30.6-35.6)	1.3	(0.8-2.2)

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 = 8,024)

^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 Access 2014 Michigan BRFS

2014 Michigan BRFS						
		Care Coverage ^a - 64 year olds)		al Health Care	No Health Care Access During Past 12 Months Due to Cost ^c	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	12.7	(11.6-14.0)	16.1	(15.0-17.3)	14.6	(13.6-15.7)
Age						
18 - 24	13.8	(10.8-17.4)	27.0	(23.1-31.3)	13.1	(10.3-16.7)
25 - 34	17.8	(14.6-21.5)	33.0	(29.1-37.2)	23.5	(20.1-27.4)
35 - 44	13.6	(11.0-16.6)	18.4	(15.4-22.0)	17.3	(14.3-20.9)
45 - 54	10.8	(8.9-13.1)	13.2	(11.2-15.6)	16.3	(14.1-18.8)
55 - 64	8.6	(7.1-10.5)	9.0	(7.4-10.8)	13.9	(12.0-16.0)
65 - 74			3.9	(2.8-5.5)	6.8	(5.4-8.5)
75 +			2.7	(1.9-4.0)	4.3	(2.9-6.4)
Gender						
Male	15.1	(13.3-17.1)	21.4	(19.6-23.3)	14.1	(12.6-15.7)
Female	10.3	(9.0-11.9)	11.1	(9.9-12.5)	15.0	(13.6-16.6)
Race/Ethnicity						
White non-Hispanic	11.3	(10.1-12.6)	14.2	(13.1-15.5)	13.0	(11.9-14.1)
Black non-Hispanic	17.6	(14.0-21.9)	22.6	(18.8-26.9)	19.1	(15.7-23.0)
Other non-Hispanic	11.6	(7.9-16.6)	21.3	(16.7-26.8)	15.1	(11.3-19.9)
Hispanic	24.5	(16.6-34.6)	25.1	(17.9-34.0)	29.9	(21.6-39.8)
Education						
Less than high school	23.8	(18.4-30.1)	19.8	(15.5-24.9)	25.5	(20.8-30.9)
High school graduate	17.4	(15.2-19.9)	19.7	(17.6-21.9)	15.1	(13.4-17.0)
Some college	10.6	(9.0-12.5)	14.9	(13.2-16.9)	15.1	(13.4-16.9)
College graduate	4.9	(3.9-6.1)	11.4	(10.0-13.0)	7.8	(6.8-9.0)
Household Income						
< \$20,000	23.1	(19.5-27.1)	24.1	(20.8-27.8)	26.9	(23.5-30.6)
\$20,000 - \$34,999	22.3	(18.9-26.2)	20.5	(17.8-23.5)	22.9	(20.1-26.0)
\$35,000 - \$49,999	12.7	(9.8-16.2)	12.8	(10.3-15.8)	11.6	(9.4-14.1)
\$50,000 - \$74,999	6.4	(4.6-9.0)	14.1	(11.5-17.1)	10.1	(8.0-12.6)
\$75,000 +	2.7	(1.8-4.0)	9.8	(8.2-11.7)	4.8	(3.7-6.3)

^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 = 5,447)

b 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 = 8,422)

^c 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 = 8,444)

Table 7: No Leisure Time Physical Activity 2014 Michigan BRFS						
	No Leis	ure Time Physical Activity ^a				
	%	95% Confidence Interval				
Total	25.5	(24.3-26.7)				
Age						
18 – 24	16.3	(13.0-20.3)				
25 – 34	22.9	(19.4-26.8)				
35 – 44	23.6	(20.1-27.5)				
45 – 54	24.8	(22.1-27.8)				
55 – 64	27.3	(24.9-29.8)				
65 – 74	29.6	(27.0-32.4)				
75 +	41.0	(37.7-44.5)				
Gender						
Male	23.6	(21.9-25.5)				
Female	27.2	(25.5-28.9)				
Race/Ethnicity						
White non-Hispanic	23.6	(22.4-24.9)				
Black non-Hispanic	34.3	(30.1-38.7)				
Other non-Hispanic	26.7	(21.3-32.9)				
Hispanic	28.2	(20.0-38.3)				
Education						
Less than high school	45.9	(40.4-51.5)				
High school graduate	32.8	(30.5-35.1)				
Some college	21.4	(19.6-23.4)				
College graduate	11.8	(10.6-13.1)				
Household Income						
< \$20,000	40.0	(36.3-43.9)				
\$20,000 - \$34,999	30.7	(27.8-33.8)				
\$35,000 - \$49,999	27.2	(23.9-30.7)				
\$50,000 - \$74,999	20.2	(17.4-23.3)				
\$75,000 +	13.5	(11.7-15.5)				

 $^{^{\}rm a}$ 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 = 8,455)

Table 8: Cigarette Smoking 2014 Michigan BRFS

		2014 Michig	an BRFS			
	Current Smoking ^a		Forme	r Smoking ^b	Never Smoked	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	21.2	(20.0-22.5)	26.7	(25.5-27.8)	52.1	(50.8-53.5)
Age						
18 – 24	21.5	(17.7-25.8)	5.9	(4.1-8.5)	72.6	(68.1-76.7)
25 – 34	31.4	(27.4-35.7)	16.0	(13.1-19.5)	52.6	(48.3-56.9)
35 – 44	25.5	(22.0-29.4)	22.8	(19.5-26.5)	51.7	(47.6-55.7)
45 – 54	24.0	(21.3-26.9)	24.8	(22.2-27.6)	51.2	(48.1-54.3)
55 – 64	20.4	(18.2-22.9)	35.6	(33.1-38.2)	43.9	(41.4-46.6)
65 – 74	11.1	(9.2-13.3)	45.5	(42.6-48.3)	43.4	(40.6-46.3)
75 +	6.0	(4.5-8.0)	44.2	(40.8-47.6)	49.8	(46.4-53.3)
Gender						
Male	23.7	(21.8-25.7)	28.9	(27.2-30.7)	47.4	(45.3-49.4)
Female	18.9	(17.3-20.5)	24.5	(23.0-26.0)	56.6	(54.8-58.5)
Race/Ethnicity						
White non-Hispanic	20.1	(18.8-21.5)	29.2	(27.9-30.5)	50.7	(49.2-52.2)
Black non-Hispanic	22.3	(18.7-26.4)	20.3	(17.1-23.8)	57.4	(53.0-61.7)
Other non-Hispanic	26.2	(20.7-32.5)	13.6	(10.0-18.2)	60.2	(53.9-66.3)
Hispanic	32.4	(23.5-42.8)	14.2	(8.9-21.8)	53.4	(43.6-63.1)
Education						
Less than high school	42.9	(37.2-48.7)	26.2	(21.8-31.2)	30.9	(25.7-36.7)
High school graduate	26.7	(24.5-29.1)	28.8	(26.7-31.0)	44.4	(42.0-47.0)
Some college	18.7	(16.9-20.7)	27.2	(25.2-29.2)	54.1	(51.7-56.5)
College graduate	7.2	(6.2-8.4)	23.4	(21.8-25.1)	69.4	(67.5-71.2)
Household Income						
< \$20,000	36.4	(32.6-40.3)	23.1	(20.2-26.3)	40.5	(36.7-44.4)
\$20,000 - \$34,999	26.2	(23.2-29.5)	28.1	(25.4-30.9)	45.7	(42.5-48.9)
\$35,000 - \$49,999	21.3	(18.2-24.7)	32.7	(29.3-36.3)	46.0	(42.4-49.7)
\$50,000 - \$74,999	18.3	(15.4-21.7)	28.8	(25.7-32.0)	52.9	(49.2-56.6)
\$75,000 +	10.8	(9.1-12.7)	25.8	(23.7-28.1)	63.4	(60.9-65.9)

^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 = 8,231)

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 = 8,231)

Table 9: Current Smokers Who Attempted to Quit 2014 Michigan BRFS Tried to Quit Smoking One Day or Longer in Past Year^a 95% Confidence % Interval Total 61.5 (58.1-64.8) Age 18 - 2463.1 (52.0-72.9)25 - 3464.5 (56.0-72.1)35 - 4459.4 (50.6-67.7)45 - 5460.1 (53.2-66.5)55 - 6459.6 (53.0-65.8)65 - 7464.3 (55.0-72.6)75 + 60.7 (44.7-74.6)Gender Male 60.3 (55.5-65.0)62.9 Female (58.0-67.5)Race/Ethnicity White non-Hispanic 60.9 (57.1-64.6)Black non-Hispanic 63.9 (53.3-73.3)Other non-Hispanic 61.0 (47.1-73.4)Hispanic __b **Education** Less than high school 62.3 (52.9-70.8)59.2 High school graduate (54.0-64.1)Some college 63.1 (57.4-68.5)65.4 College graduate (57.6-72.5)**Household Income** < \$20,000 61.5 (54.5-68.0)\$20,000 - \$34,999 65.5 (58.3-72.1)\$35,000 - \$49,999 57.2 (48.3-65.6)65.8 \$50,000 - \$74,999 (56.4-74.1)\$75,000 + 61.8 (53.0-70.0)

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 = 1,291)
 Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Table 10: Smokeless Tobacco Use 2014 Michigan BRFS					
		nt Smokeless acco Useª			
	%	95% Confidence Interval			
Total	4.2	(3.6-4.9)			
Age					
18 – 24	7.2	(5.2-9.8)			
25 – 34	7.1	(5.1-10.0)			
35 – 44	5.1	(3.4-7.8)			
45 – 54	4.4	(3.3-6.0)			
55 – 64	2.1	(1.5-3.1)			
65 – 74	b	b			
75 +	b	b			
Gender					
Male	7.4	(6.2-8.7)			
Female	1.3	(0.9-1.8)			
Race/Ethnicity					
White non-Hispanic	4.4	(3.7-5.2)			
Black non-Hispanic	b	b			
Other non-Hispanic	b	b			
Hispanic	b	b			
Education					
Less than high school	5.3	(3.1-9.1)			
High school graduate	5.3	(4.2-6.6)			
Some college	4.4	(3.4-5.7)			
College graduate	2.1	(1.5-2.9)			
Household Income					
< \$20,000	4.6	(3.0-6.9)			
\$20,000 - \$34,999	4.4	(3.1-6.1)			
\$35,000 - \$49,999	4.1	(2.7-6.1)			
\$50,000 - \$74,999	6.1	(4.2-8.8)			
\$75,000 +	3.3	(2.4-4.5)			

^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 = 8,276)

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

Table 11: Alcohol Consumption 2014 Michigan BRFS

		2014 Michig	an BRFS			
	Any Alcohol in Past Month ^a Heavy D		/ Drinking ^b	Binge	Drinking ^c	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	57.0	(55.6-58.3)	6.8	(6.1-7.6)	18.9	(17.8-20.1)
Age						
18 – 24	55.7	(50.9-60.4)	10.4	(7.9-13.6)	29.3	(25.2-33.7)
25 – 34	66.7	(62.6-70.5)	6.9	(4.9-9.6)	29.2	(25.4-33.3)
35 – 44	64.1	(60.1-67.9)	7.2	(5.3-9.7)	23.1	(19.7-26.9)
45 – 54	62.2	(59.2-65.2)	6.7	(5.4-8.4)	21.3	(18.8-23.9)
55 – 64	54.5	(51.8-57.1)	7.0	(5.7-8.6)	13.0	(11.3-15.0)
65 – 74	47.0	(44.2-49.9)	5.3	(4.1-6.9)	6.7	(5.4-8.3)
75 +	38.4	(35.1-41.7)	2.8	(1.9-4.0)	2.5	(1.7-3.6)
Gender						
Male	61.5	(59.5-63.5)	7.5	(6.5-8.8)	24.0	(22.1-25.9)
Female	52.7	(50.8-54.5)	6.1	(5.2-7.1)	14.3	(12.9-15.8)
Race/Ethnicity						
White non-Hispanic	58.8	(57.3-60.2)	7.3	(6.5-8.1)	19.6	(18.3-20.9)
Black non-Hispanic	50.9	(46.5-55.3)	4.8	(3.0-7.5)	12.8	(9.8-16.5)
Other non-Hispanic	45.8	(39.7-52.1)	d	d	17.8	(13.3-23.4)
Hispanic	60.6	(51.0-69.4)	d	d	29.2	(20.4-39.9)
Education						
Less than high school	41.8	(36.1-47.8)	7.6	(4.9-11.5)	16.6	(12.3-22.1)
High school graduate	47.9	(45.4-50.4)	6.7	(5.5-8.2)	18.5	(16.5-20.7)
Some college	60.7	(58.4-63.0)	7.3	(6.1-8.7)	20.2	(18.3-22.4)
College graduate	70.2	(68.4-72.1)	5.9	(5.0-6.9)	18.7	(17.0-20.5)
Household Income						
< \$20,000	47.4	(43.5-51.4)	6.9	(5.1-9.4)	17.6	(14.5-21.2)
\$20,000 - \$34,999	49.5	(46.3-52.7)	7.2	(5.6-9.2)	16.9	(14.3-19.8)
\$35,000 - \$49,999	53.7	(50.0-57.4)	7.0	(5.2-9.4)	17.5	(14.7-20.8)
\$50,000 - \$74,999	65.0	(61.4-68.5)	7.2	(5.4-9.5)	20.8	(17.7-24.2)
\$75,000 +	72.2	(69.7-74.6)	7.9	(6.5-9.4)	24.1	(21.9-26.5)

^a Among all adults, the proportion who reported consuming at least one drink of any alcoholic beverage in the previous month. (N = 8,225)

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 = 8,153)

^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 = 8,162)

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

Table 12: Mean Number of Binge Drinking Occasions during the Past Month among Binge Drinkers
2014 Michigan BRFS

		of Binge Drinking ccasions ^a	
	Mean	95% Confidence Interval	
Total	4.5	(4.1-4.9)	
Age			
18 – 24	4.6	(3.7-5.4)	
25 – 34	3.7	(2.8-4.7)	
35 – 44	4.6	(3.4-5.7)	
45 – 54	4.6	(3.7-5.6)	
55 – 64	5.1	(3.7-6.5)	
65 – 74	5.8	(4.0-7.6)	
75+	b	b	
Gender			
Male	5.1	(4.5-5.7)	
Female	3.6	(3.0-4.1)	
Race/Ethnicity			
White non-Hispanic	4.5	(4.0-4.9)	
Black non-Hispanic	5.6	(3.3-7.8)	
Other non-Hispanic	b	b	
Hispanic	b	b	
Education			
Less than high school	b	b	
High school graduate	4.8	(4.1-5.6)	
Some college	4.4	(3.7-5.1)	
College graduate	3.2	(2.7-3.6)	
Household Income			
< \$20,000	6.5	(4.7-8.3)	
\$20,000 - \$34,999	5.1	(4.1-6.1)	
\$35,000 - \$49,999	4.6	(3.3-5.8)	
\$50,000 - \$74,999	4.2	(3.2-5.1)	
\$75,000 +	3.7	(3.1-4.3)	

^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 = 1,185)

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

Table 13: Drove Motor Vehicle After Drinking 2014 Michigan BRFS			
		Motor Vehicle Drinking ^a	
	%	95% Confidence Interval	
Total	2.2	(1.8-2.7)	
Age			
18 – 24	2.5	(1.5-4.2)	
25 – 34	2.0	(1.2-3.3)	
35 – 44	3.7	(2.4-5.7)	
45 – 54	2.8	(1.9-3.9)	
55 – 64	1.7	(1.2-2.5)	
65 – 74	1.6	(1.0-2.4)	
75 +	b	b	
Gender			
Male	3.4	(2.8-4.2)	
Female	1.1	(0.7-1.6)	
Race/Ethnicity			
White non-Hispanic	2.1	(1.7-2.6)	
Black non-Hispanic	2.3	(1.3-4.0)	
Other non-Hispanic	b	b	
Hispanic	b	b	
Education			
Less than high school	b	b	
High school graduate	2.2	(1.5-3.1)	
Some college	2.3	(1.6-3.2)	
College graduate	2.7	(2.0-3.5)	
Household Income			
< \$20,000	1.7	(1.0-2.8)	
\$20,000 - \$34,999	1.9	(1.2-3.0)	
\$35,000 - \$49,999	2.8	(1.6-4.7)	
\$50,000 - \$74,999	2.6	(1.7-4.1)	
\$75,000 +	2.7	(2.0-3.7)	

^a Among all adults, the proportion who reported that they had driven when they'd had too much to drink at least once in the previous month. (N = 8,221)

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

Table 14: Seatbelt Use 2014 Michigan BRFS				
	Always l	Jses a Seatbelt ^a		
	%	95% Confidence Interval		
Total	87.7	(86.7-88.7)		
Age				
18 – 24	78.0	(73.6-81.8)		
25 – 34	83.3	(79.5-86.6)		
35 – 44	88.2	(85.2-90.7)		
45 – 54	90.0	(87.9-91.7)		
55 – 64	90.9	(89.1-92.4)		
65 – 74	91.9	(90.2-93.3)		
75 +	92.4	(90.3-94.0)		
Gender				
Male	84.1	(82.4-85.7)		
Female	91.1	(89.8-92.3)		
Race/Ethnicity				
White non-Hispanic	88.4	(87.2-89.4)		
Black non-Hispanic	85.0	(81.5-88.0)		
Other non-Hispanic	85.6	(80.5-89.6)		
Hispanic	85.3	(74.9-91.8)		
Education				
Less than high school	81.1	(75.8-85.5)		
High school graduate	86.6	(84.6-88.4)		
Some college	87.9	(86.1-89.4)		
College graduate	92.2	(91.0-93.3)		
Household Income				
< \$20,000	83.4	(79.8-86.4)		
\$20,000 - \$34,999	88.0	(85.6-90.0)		
\$35,000 - \$49,999	86.6	(83.5-89.1)		
\$50,000 - \$74,999	88.5	(85.9-90.8)		
\$75,000 +	89.6	(87.7-91.3)		

^a Among all adults, the proportion who reported always using a seatbelt when driving or riding in a car. (N = 8,219)

Table 15: No Routine Checkup in Past Year 2014 Michigan BRFS			
		outine Checkup ast Year ^a	
	%	95% Confidence Interval	
Total	28.2	(27.0-29.5)	
Age			
18 - 24	37.3	(32.9-41.9)	
25 - 34	41.8	(37.7-46.0)	
35 - 44	35.9	(32.1-39.9)	
45 - 54	27.6	(25.0-30.5)	
55 - 64	22.0	(19.9-24.3)	
65 - 74	13.3	(11.4-15.4)	
75 +	11.3	(9.3-13.7)	
Gender			
Male	33.4	(31.4-35.4)	
Female	23.4	(21.9-25.0)	
Race/Ethnicity			
White non-Hispanic	29.6	(28.2-31.0)	
Black non-Hispanic	19.6	(16.2-23.6)	
Other non-Hispanic	30.3	(24.8-36.5)	
Hispanic	28.5	(20.9-37.5)	
Education			
Less than high school	28.5	(23.6-33.9)	
High school graduate	28.7	(26.4-31.1)	
Some college	29.5	(27.3-31.8)	
College graduate	25.6	(23.8-27.5)	
Household Income		,	
< \$20,000	32.3	(28.7-36.1)	
\$20,000 - \$34,999	29.3	(26.4-32.4)	
\$35,000 - \$49,999	28.8	(25.3-32.4)	
\$50,000 - \$74,999	32.4	(28.9-36.1)	
\$75,000 +	24.3	(22.1-26.7)	

^a Among all adults, the proportion who reported that they did not have a routine checkup in the past year. (N = 8,370)

Table 16: Clinical Breast Exam Indicators Among
Women Aged 20 Years and Older
2014 Michigan BRFS

	Ever Clinical Bre	Had		oriately Timed reast Exam ^b
	%	95% Confidence Interval	%	95% Confidence Interval
Total	91.1	(89.9-92.2)	65.4	(63.6-67.2)
Age				
20 - 29	75.0	(69.5-79.8)	67.8	(61.8-73.3)
30 - 39	90.7	(86.6-93.6)	82.5	(77.5-86.5)
40 - 49	95.6	(93.2-97.2)	60.7	(55.6-65.7)
50 - 59	95.6	(93.6-97.0)	64.6	(60.9-68.1)
60 - 69	96.8	(95.4-97.8)	67.9	(64.4-71.1)
70 +	90.8	(88.7-92.5)	50.8	(47.4-54.3)
Race/Ethnicity				
White non-Hispanic	92.7	(91.5-93.8)	65.6	(63.6-67.5)
Black non-Hispanic	87.2	(82.6-90.7)	63.9	(57.7-69.6)
Other non-Hispanic	78.7	(69.6-85.6)	64.8	(55.3-73.3)
Hispanic	c	c	72.9	(59.8-82.9)
Education				
Less than high school	86.1	(79.7-90.8)	47.6	(39.5-55.9)
High school graduate	90.8	(88.7-92.6)	61.3	(58.0-64.4)
Some college	90.7	(88.4-92.5)	67.7	(64.7-70.6)
College graduate	94.5	(92.6-95.8)	74.8	(72.3-77.1)
Household Income				
< \$20,000	83.0	(78.7-86.5)	49.5	(44.3-54.6)
\$20,000 - \$34,999	90.8	(87.6-93.2)	62.2	(58.0-66.3)
\$35,000 - \$49,999	92.5	(89.3-94.7)	67.6	(62.7-72.2)
\$50,000 - \$74,999	94.1	(90.9-96.2)	69.4	(64.5-73.9)
\$75,000 +	96.6	(94.3-97.9)	78.3	(75.2-81.2)

^a Among women aged 20 years and older, the proportion who reported ever having a clinical breast exam. (N =4,530)

Among women aged 20 years and older, the proportion whose last clinical breast exam was within the previous three years for women age 20-39 years and within the previous year for women aged 40 years and older. (N = 4,442)

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

Table 17: Mammography Indicators Among Women Aged 40 Years and Older 2014 Michigan BRFS

2014 Miletingan Birt O									
		ever Had mmogram ^a		lammogram Past Year ^b		Had Mammogram in Past TwoYears ^c		Had Clinical Breast Exam and Mammogram in Past Year ^d	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	
Total	94.3	(93.2-95.2)	57.4	(55.4-59.4)	75.9	(74.1-77.6)	47.8	(45.8-49.8)	
Age									
40 - 49	83.9	(80.1-87.1)	46.6	(41.8-51.5)	65.0	(60.2-69.6)	40.5	(35.9-45.3)	
50 - 59	97.6	(96.1-98.5)	61.3	(57.6-64.9)	81.2	(78.1-84.0)	53.4	(49.7-57.1)	
60 - 69	98.0	(96.9-98.8)	66.3	(62.8-69.6)	82.7	(79.7-85.3)	57.6	(54.1-61.1)	
70 +	97.4	(96.1-98.3)	55.5	(52.1-58.8)	74.0	(70.9-77.0)	38.9	(35.7-42.3)	
Race/Ethnicity									
White non-Hispanic	94.3	(93.1-95.3)	57.5	(55.4-59.6)	75.6	(73.7-77.5)	48.1	(46.0-50.2)	
Black non-Hispanic	93.9	(89.7-96.4)	58.9	(51.6-65.9)	80.0	(74.0-84.9)	48.7	(41.9-55.6)	
Other non-Hispanic	e	e	50.2	(38.0-62.4)	63.9	(50.9-75.1)	37.4	(26.4-49.8)	
Hispanic	e	e	e	e	e	e	e	e	
Education									
< High school	93.0	(87.7-96.1)	38.5	(30.7-46.9)	64.4	(56.0-72.0)	25.4	(19.0-33.1)	
High school graduate	95.1	(93.3-96.4)	58.6	(55.3-61.9)	74.5	(71.5-77.4)	46.9	(43.5-50.3)	
Some college	93.4	(91.2-95.2)	57.2	(53.8-60.6)	76.7	(73.6-79.6)	49.6	(46.2-53.0)	
College graduate	94.8	(93.1-96.2)	65.6	(62.6-68.5)	82.5	(79.9-84.8)	57.7	(54.6-60.7)	
Household Income									
< \$20,000	91.3	(87.7-93.9)	42.1	(36.6-47.8)	63.0	(57.4-68.3)	32.5	(27.5-37.8)	
\$20,000 - \$34,999	93.9	(91.0-95.9)	54.4	(49.9-58.9)	73.5	(69.2-77.4)	43.2	(38.8-47.7)	
\$35,000 - \$49,999	e	e	59.2	(53.8-64.3)	78.0	(73.1-82.3)	50.2	(45.0-55.5)	
\$50,000 - \$74,999	94.6	(91.4-96.7)	61.2	(55.8-66.3)	81.1	(76.2-85.1)	53.4	(48.1-58.7)	
\$75,000 +	94.2	(91.7-96.0)	65.9	(61.9-69.7)	82.3	(78.9-85.3)	58.3	(54.2-62.2)	

Note: Data included diagnostic tests.

^a Among women aged 40 years and older, the proportion who reported ever having a mammogram. (N = 3,817)

^b Among women aged 40 years and older, the proportion who reported having a mammogram in the past year. (N = 3,784)

^c Among women aged 40 years and older, the proportion who reported having a mammogram in the past two years. (N = 3,784)

d Among women aged 40 years and older, the proportion who reported having a clinical breast exam and a mammogram in the past year. (N = 3,764)

e 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 2014 Michigan BRFS

	Ever Had	d Pap Test ^a	Had Appropriately Timed Pap Test ^b		
	%	95% Confidence Interval	%	95% Confidence Interval	
Total	88.9	(87.0-90.5)	74.9	(72.8-76.9)	
Age					
18 - 29	63.7	(57.9-69.2)	59.1	(53.3-64.7)	
30 - 39	96.7	(93.9-98.2)	89.3	(85.1-92.4)	
40 - 49	c	c	83.1	(78.8-86.7)	
50 - 59	c	c	86.0	(82.5-88.8)	
60 - 69	c	c	80.7	(76.9-84.0)	
70 +	94.0	(91.1-96.0)	48.3	(43.6-53.1)	
Race/Ethnicity					
White non-Hispanic	89.7	(87.5-91.5)	74.4	(72.0-76.6)	
Black non-Hispanic	91.0	(85.7-94.4)	80.7	(74.8-85.5)	
Other non-Hispanic	72.1	(61.1-80.9)	59.9	(49.1-69.9)	
Hispanic	c	c	c	c	
Education					
Less than high school	73.8	(63.4-82.2)	63.6	(53.4-72.7)	
High school graduate	88.6	(85.0-91.5)	68.8	(64.7-72.6)	
Some college	89.7	(86.9-92.0)	76.3	(72.9-79.4)	
College graduate	94.6	(92.4-96.2)	84.5	(81.8-86.8)	
Household Income					
< \$20,000	84.8	(79.5-88.9)	66.5	(60.6-71.9)	
\$20,000 - \$34,999	91.6	(87.1-94.7)	72.0	(67.0-76.5)	
\$35,000 - \$49,999	94.9	(91.2-97.1)	78.9	(73.7-83.3)	
\$50,000 - \$74,999	90.2	(83.4-94.4)	80.5	(74.1-85.6)	
\$75,000 +	93.2	(89.8-95.4)	86.5	(83.1-89.4)	

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 Pap test. (N = 3,268)

b Among women aged 18 years and older, the proportion who reported having a Pap test within the previous three years. (N = 3,162)

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

Table 19: Prostate Cancer Screening Among Men Aged 50 Years and Older 2014 Michigan BRFS **Ever Discussed Doctor Ever** Had PSA Test in Advantages of PSA Recommended Ever Had PSA Test^c Past Yeard **Test With Doctor**^a PSA Testb 95% 95% 95% 95% % Confidence % Confidence % Confidence % Confidence Interval Interval Interval Interval **Total** 73.4 67.8 (65.3-70.1)71.7 (69.2-74.1)45.8 (43.2-48.3)(71.1-75.7)Age 50 - 59 67.2 (63.1-71.0)58.6 (54.4-62.7)59.3 (54.9 - 63.4)34.8 (30.8-39.1)60 - 69 77.2 (73.3-80.6)74.5 (70.6-78.1)78.5 (74.7-81.9)51.0 (46.9-55.1) 70 + 79.3 74.5 (70.1-78.5)84.0 (80.1-87.2)57.7 (53.1-62.2)(75.1-83.0)Race/Ethnicity White non-Hispanic 74.0 69.5 (67.0-72.0)73.2 46.5 (71.4-76.3)(70.6-75.7)(43.8-49.2)44.9 73.7 (65.2-80.6)63.0 (54.0-71.2)68.8 (59.4-76.9)Black non-Hispanic (36.3-53.9)Other non-Hispanic 56.3 (42.3-69.4)50.0 (36.6-63.4)59.3 (44.9-72.3)33.0 (22.2-46.0)__е __e __е __e __e __e __e __e Hispanic **Education** < High school 58.6 (48.1-68.4) 51.3 (40.9-61.5)49.1 (38.6-59.7)34.1 (24.6-45.0)59.8 65.0 38.2 High school graduate 65.9 (61.3-70.2)(55.1-64.3)(60.3-69.4)(33.6-42.9)Some college 78.8 (75.0-82.2)74.1 (70.0-77.8)78.2 (74.2-81.6)53.3 (48.9-57.7)College graduate 82.5 76.9 81.6 50.2 (79.6-85.1)(73.7-79.8)(78.6-84.2)(46.6-53.7)**Household Income**

Among men aged 50 years and older (N = 2,226), the proportion who reported...

59.2

69.3

74.9

77.3

81.7

47.2

63.5

72.0

72.4

77.7

(39.8-54.8)

(57.8-68.9)

(65.5-77.6)

(66.2-77.8)

(73.6-81.2)

49.1

68.9

74.6

77.7

82.0

(51.5-66.5)

(63.6-74.5)

(68.8-80.1)

(71.4-82.3)

(77.8-85.0)

< \$20,000

\$75,000 +

\$20,000 - \$34,999

\$35,000 - \$49,999

\$50,000 - \$74,999

29.5

43.8

51.4

47.3

53.9

(23.2-36.8)

(38.0-49.7)

(44.9-57.8)

(41.1-53.6)

(49.3-58.5)

(41.5-56.7)

(62.9-74.2)

(68.2-80.2)

(71.8-82.8)

(78.1-85.4)

^a ever discussing the advantages of a Prostate-Specific Antigen (PSA) test with a doctor, nurse, or other health professional.

b ever receiving a recommendation from a doctor, nurse, or other health professional to get a PSA test.

^c ever having a PSA test.

d having a PSA test within the past year.

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

Table 20: Colorectal Cancer Screening (Blood Stool Test)
Among Adults Aged 50 Years and Older
2014 Michigan BRFS

	Ever Had Blood Stool Test ^a			d Stool Test Γwo Years⁵
	%	95% Confidence Interval	%	95% Confidence Interval
Total	36.2	(34.7-37.7)	14.6	(13.5-15.8)
Age				
50 - 59	25.2	(22.9-27.6)	10.4	(8.8-12.3)
60 - 69	39.7	(37.1-42.3)	17.1	(15.1-19.2)
70 +	48.7	(46.0-51.4)	18.3	(16.3-20.6)
Gender				
Male	31.5	(29.3-33.7)	13.4	(11.8-15.2)
Female	40.4	(38.4-42.4)	15.8	(14.3-17.4)
Race/Ethnicity				
White non-Hispanic	37.5	(35.9-39.1)	14.2	(13.0-15.4)
Black non-Hispanic	31.6	(26.7-36.8)	18.7	(14.6-23.6)
Other non-Hispanic	27.9	(20.5-36.8)	12.0	(7.1-19.5)
Hispanic	38.7	(25.1-54.3)	c	c
Education				
Less than high school	28.9	(23.3-35.3)	15.8	(11.3-21.5)
High school graduate	33.6	(31.1-36.2)	13.9	(12.1-15.9)
Some college	38.3	(35.7-41.0)	15.1	(13.3-17.2)
College graduate	40.5	(38.2-42.9)	14.5	(12.9-16.3)
Household Income				
< \$20,000	31.9	(27.9-36.2)	15.5	(12.5-19.1)
\$20,000 - \$34,999	36.4	(33.1-39.8)	14.7	(12.3-17.4)
\$35,000 - \$49,999	37.7	(33.9-41.7)	16.5	(13.6-19.8)
\$50,000 - \$74,999	37.3	(33.4-41.3)	14.6	(11.9-17.7)
\$75,000 +	34.8	(31.8-37.9)	12.7	(10.7-15.0)

Among adults aged 50 years and older, the proportion who reported ever having a blood stool test using
a home kit. (N = 5,464)

b Among adults aged 50 years and older, the proportion whose reported having a blood stool test within the past two years using a home kit (N = 5,366)

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

Table 21: Colorectal Cancer Screening (Sigmoidoscopy/Colonoscopy)

Among Adults Aged 50 Years and Older

2014 Michigan BRFS

2014 Michigan BRFS							
	Sigmoid	r Had a doscopy or noscopy ^a	Colonosc	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	74.5	(73.0-76.0)	57.5	(55.8-59.1)	69.6	(68.0-71.1)	
Age							
50 - 59	62.8	(60.0-65.5)	49.7	(46.9-52.5)	59.4	(56.6-62.2)	
60 - 69	81.5	(79.2-83.5)	63.0	(60.3-65.5)	76.1	(73.7-78.4)	
70 +	84.1	(82.0-86.0)	62.9	(60.2-65.5)	77.6	(75.2-79.8)	
Gender							
Male	73.3	(70.9-75.6)	58.6	(56.1-61.0)	68.6	(66.1-70.9)	
Female	75.6	(73.7-77.5)	56.4	(54.3-58.5)	70.5	(68.5-72.5)	
Race/Ethnicity							
White non-Hispanic	76.1	(74.5-77.6)	57.9	(56.2-59.6)	70.7	(69.1-72.3)	
Black non-Hispanic	70.6	(64.9-75.6)	58.6	(52.9-64.1)	68.2	(62.5-73.4)	
Other non-Hispanic	59.1	(48.3-69.0)	43.8	(34.3-53.8)	55.9	(45.4-66.0)	
Hispanic	62.7	(46.9-76.2)	49.1	(34.1-64.2)	58.3	(42.6-72.4)	
Education							
Less than high school	58.2	(51.4-64.7)	47.2	(40.5-53.9)	53.7	(46.8-60.5)	
High school graduate	72.0	(69.3-74.5)	56.2	(53.3-59.0)	67.4	(64.7-70.1)	
Some college	78.8	(76.3-81.0)	59.6	(56.8-62.3)	72.9	(70.3-75.4)	
College graduate	80.5	(78.5-82.4)	61.5	(59.1-63.9)	75.9	(73.7-78.0)	
Household Income							
< \$20,000	62.7	(58.1-67.1)	47.2	(42.7-51.9)	56.3	(51.6-60.9)	
\$20,000 - \$34,999	71.8	(68.3-75.1)	54.2	(50.6-57.8)	66.1	(62.5-69.6)	
\$35,000 - \$49,999	77.4	(73.6-80.8)	59.9	(55.7-63.9)	72.4	(68.3-76.1)	
\$50,000 - \$74,999	78.7	(74.7-82.2)	60.1	(55.8-64.2)	72.8	(68.6-76.6)	
\$75,000 +	79.6	(76.8-82.3)	63.9	(60.7-67.0)	76.9	(73.9-79.6)	

^a Among adults aged 50 years and older, the proportion who reported ever having a sigmoidoscopy or colonoscopy. (N = 5,480) ^b Among adults aged 50 years and older, the proportion who reported having a sigmoidoscopy or colonoscopy in the past five years. (N = 5,420)

^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 = 5,347)

Table 22: Oral Health 2014 Michigan BRFS					
		ental Visit ast Year ^a	6+ Teeth Missing ^b		
	%	95% Confidence Interval	%	95% Confidence Interval	
Total	31.4	(30.1-32.7)	15.5	(14.6-16.4)	
Age					
18 - 24	28.7	(24.7-33.2)	c	c	
25 - 34	41.2	(37.1-45.4)	3.9	(2.4-6.2)	
35 - 44	32.7	(28.8-36.8)	7.3	(5.3-10.0)	
45 - 54	32.3	(29.4-35.3)	13.7	(11.5-16.2)	
55 - 64	27.8	(25.4-30.3)	24.1	(21.8-26.6)	
65 - 74	24.7	(22.1-27.4)	30.8	(28.1-33.7)	
75 +	31.5	(28.2-34.9)	42.4	(38.9-45.9)	
Gender					
Male	35.5	(33.5-37.6)	15.4	(14.0-16.9)	
Female	27.5	(25.9-29.3)	15.6	(14.4-16.8)	
Race/Ethnicity					
White non-Hispanic	28.6	(27.2-30.0)	14.5	(13.5-15.5)	
Black non-Hispanic	45.1	(40.7-49.5)	23.4	(20.2-26.9)	
Other non-Hispanic	33.8	(28.1-39.9)	12.5	(9.3-16.6)	
Hispanic	36.8	(28.0-46.6)	c	c	
Education					
Less than high school	52.9	(47.2-58.5)	36.6	(31.5-41.9)	
High school graduate	36.3	(34.0-38.8)	20.3	(18.6-22.2)	
Some college	30.2	(28.0-32.4)	11.8	(10.6-13.2)	
College graduate	16.5	(14.9-18.1)	4.5	(3.9-5.2)	
Household Income					
< \$20,000	55.3	(51.4-59.0)	29.2	(26.1-32.5)	
\$20,000 - \$34,999	43.1	(40.0-46.4)	21.3	(19.0-23.8)	
\$35,000 - \$49,999	28.6	(25.2-32.2)	16.2	(13.8-19.0)	
\$50,000 - \$74,999	23.0	(20.0-26.3)	8.3	(6.6-10.4)	
\$75,000 +	13.7	(11.9-15.8)	4.8	(3.7-6.0)	

^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 = 8,414)

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 = 8,273)

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

Table 23: Immunizations among Adults Aged 65 Years and Older 2014 Michigan BRFS **Had Flu Vaccine Ever Had** in Past Year^a Pneumonia Vaccineb 95% 95% % Confidence Confidence % Interval Interval **Total** 57.6 (55.4-59.8)69.3 (67.1-71.4) Age 65 - 74 55.9 (53.0-58.7)66.5 (63.7-69.2)75 + 60.0 (56.5-63.3)73.1 (69.7-76.2)Gender Male 56.9 (53.4-60.4)65.5 (61.9-68.9)72.3 Female 58.2 (55.4-60.9)(69.6-74.7)Race/Ethnicity White non-Hispanic 59.4 (57.1-61.7)71.3 (69.1-73.4)Black non-Hispanic 47.5 (39.5-55.6)57.1 (48.7-65.2)(42.7-75.5)Other non-Hispanic 32.0 (19.0-48.6)60.3 __C __c __c Hispanic __c **Education** Less than high school 49.7 (41.0-58.4)58.9 (49.8-67.5)High school graduate 55.8 (52.1-59.4)67.8 (64.2-71.2)Some college 58.3 (54.5-62.1)72.7 (69.1-76.0)College graduate 64.5 (61.1-67.8)73.5 (70.2-76.5)**Household Income** < \$20.000 52.9 (46.7-59.0)64.5 (58.0-70.5)\$20,000 - \$34,999 53.3 (48.9-57.6)67.8 (63.3-71.9)\$35,000 - \$49,999 56.1 (50.6-61.4)68.7 (63.3-73.7)\$50,000 - \$74,999 62.1 (55.8-68.0)69.1 (63.0-74.6)

(61.9-72.2)

74.5

(69.2-79.2)

67.2

\$75,000 +

^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 = 2,819)

^b Among adults aged 65 years and older, the proportion who reported that they ever had a pneumococcal vaccine. (N = 2,719)

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

Table 24: HIV Testing among Adults Aged 18 - 64 Years 2014 Michigan BRFS Ever Had an HIV Testa 95% Confidence % Interval Total 40.2 (38.5-41.8) Age 18 - 2423.6 (19.8-27.8)25 - 3455.0 (50.6-59.2)35 - 4455.0 (50.9-59.0)45 - 5439.7 (36.7-42.8)55 - 6427.4 (25.0-29.9)Gender Male 35.6 (33.2-38.0)Female 44.8 (42.5-47.1) Race/Ethnicity White non-Hispanic 34.0 (32.3-35.8)Black non-Hispanic 70.5 (65.9-74.7)Other non-Hispanic 38.7 (32.2-45.6)Hispanic 53.7 (43.1-63.9)**Education** Less than high school 44.3 (37.3-51.5)High school graduate 36.3 (33.3-39.4)Some college 42.0 (39.1-44.8)College graduate 40.3 (37.9-42.7)**Household Income** < \$20,000 54.8 (50.2-59.3)43.9 (39.7-48.2)\$20,000 - \$34,999 \$35,000 - \$49,999 39.2 (34.6-43.9)\$50,000 - \$74,999 34.0 (30.0-38.1)\$75,000 + 36.0 (33.3-38.8)

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 = 5,136)

	Table 25: Asthma among Adults 2014 Michigan BRFS					
			fetime Prevalence ^a	Current Asthma Prevalence ^b		
		%	95% Confidence Interval	%	95% Confidence Interval	
Total		15.3	(14.4-16.4)	10.9	(10.1-11.8)	
Age						
	18 - 24	16.7	(13.5-20.5)	10.3	(7.9-13.4)	
	25 - 34	18.8	(15.8-22.3)	13.3	(10.7-16.5)	
	35 - 44	13.5	(11.1-16.4)	9.7	(7.6-12.2)	
	45 - 54	16.2	(13.9-18.7)	11.3	(9.4-13.5)	
	55 - 64	16.0	(14.1-18.2)	12.7	(10.9-14.7)	
	65 - 74	13.3	(11.4-15.4)	9.1	(7.6-10.9)	
	75 +	9.5	(7.9-11.4)	7.1	(5.7-8.8)	
Gend	er					
	Male	13.0	(11.7-14.5)	8.1	(7.1-9.3)	
	Female	17.6	(16.2-19.0)	13.5	(12.2-14.8)	
Race	Ethnicity					
	White non-Hispanic	14.5	(13.4-15.6)	10.1	(9.2-11.0)	
	Black non-Hispanic	18.1	(15.0-21.6)	14.2	(11.5-17.5)	
	Other non-Hispanic	19.6	(15.1-25.1)	12.2	(9.0-16.5)	
	Hispanic	18.0	(11.8-26.3)	13.4	(8.0-21.6)	
Educa	ation					
	Less than high school	22.4	(18.1-27.3)	17.0	(13.3-21.5)	
	High school graduate	14.9	(13.2-16.8)	11.0	(9.6-12.7)	
	Some college	14.9	(13.3-16.7)	10.5	(9.2-12.0)	
	College graduate	13.1	(11.8-14.6)	8.3	(7.2-9.5)	
House	ehold Income					
	< \$20,000	24.2	(21.1-27.6)	18.8	(16.1-21.8)	
	\$20,000 - \$34,999	15.1	(12.9-17.5)	11.0	(9.1-13.2)	
	\$35,000 - \$49,999	13.9	(11.4-16.8)	9.3	(7.1-11.9)	
	\$50,000 - \$74,999	11.2	(9.1-13.6)	7.8	(6.0-9.9)	
	\$75,000 +	13.3	(11.6-15.3)	8.9	(7.5-10.6)	

^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 = 8,440)

^b Among all adults, the proportion who reported that they still had asthma. (N = 8,405)

Table 26: Asthma among Children 2014 Michigan BRFS				
		etime Prevalence ^a	Current Asthma Prevalence ^b	
	%	95% Confidence Interval	%	95% Confidence Interval
Total	14.2	(12.3-16.3)	10.2	(8.6-12.2)
Age				
0 - 4	8.8	(5.5-13.7)	7.2	(4.4-11.7)
5 - 9	11.8	(8.3-16.4)	9.0	(5.9-13.5)
10 - 14	20.2	(16.1-25.1)	15.2	(11.5-19.8)
15 - 17	17.9	(14.3-22.2)	10.6	(7.8-14.2)
Gender				
Воу	16.3	(13.6-19.6)	11.8	(9.3-14.8)
Girl	12.3	(9.8-15.2)	8.8	(6.7-11.5)
Race/Ethnicity				
White non-Hispanic	12.5	(10.5-14.9)	8.9	(7.1-11.1)
Black non-Hispanic	22.7	(16.5-30.3)	19.3	(13.4-26.9)
Other non-Hispanic	13.4	(8.3-21.0)	8.2	(4.5-14.5)
Hispanic	12.8	(7.6-20.8)	c	c
Respondent Education				
Less than high school	c	c	c	c
High school graduate	17.9	(13.2-23.7)	13.2	(8.9-19.1)
Some college	14.8	(11.5-18.7)	10.9	(8.1-14.5)
College graduate	11.9	(9.5-14.9)	8.3	(6.2-10.9)
Household Income				
< \$20,000	20.5	(14.0-29.2)	16.8	(10.6-25.5)
\$20,000 - \$34,999	14.0	(9.5-20.0)	12.3	(8.1-18.4)
\$35,000 - \$49,999	16.8	(11.4-24.1)	14.3	(9.2-21.6)
\$50,000 - \$74,999	12.1	(8.3-17.2)	7.9	(4.9-12.7)
^				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 = 1,860).

(9.1-14.6)

6.7

(4.9-9.1)

11.6

\$75,000 +

^b Estimated proportion of Michigan children aged 0-17 years who still have asthma, using proxy information from the adult respondent. (N = 1,854)

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

		OPD, Emphysema onic Bronchitisa
	%	95% Confidence Interval
Total	8.8	(8.1-9.6)
Age		
18 - 24	b	b
25 - 34	5.5	(3.7-8.1)
35 - 44	5.2	(3.6-7.5)
45 - 54	8.7	(7.0-10.7)
55 - 64	14.0	(12.1-16.0)
65 - 75	13.4	(11.4-15.6)
75 +	15.0	(12.7-17.6)
Gender		
Male	7.6	(6.6-8.7)
Female	10.0	(9.0-11.2)
Race/Ethnicity		
White/Non-Hispanic	8.3	(7.6-9.1)
Black/Non-Hispanic	11.5	(9.0-14.6)
Other/Non-Hispanic	9.2	(6.5-13.0)
Hispanic	b	b
Education		
Less than high school	18.5	(14.7-23.0)
High school graduate	10.7	(9.4-12.1)
Some college	7.9	(6.8-9.1)
College graduate	3.2	(2.7-3.8)
Household Income		
< \$20,000	19.1	(16.4-22.1)
\$20,000 - \$34,999	11.6	(9.8-13.8)
\$35,000 - \$49,999	8.9	(6.8-11.5)
\$50,000 - \$74,999	3.6	(2.7-4.7)
\$75,000 +	3.8	(2.9-4.8)

 ^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 = 8,412)

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

Table 28: Arthritis 2014 Michigan BRFS					
Demographic Ever Told Arthritis					
	95% % Confident Interval				
Total	31.9	(30.7-33.1)			
Age					
18 - 24	4.8	(3.1-7.5)			
25 - 34	11.1	(8.6-14.3)			
35 - 44	19.3	(16.3-22.8)			
45 - 54	32.2	(29.4-35.2)			
55 - 64	48.2	(45.6-50.9)			
65 - 75	59.1	(56.3-61.8)			
75 +	61.6	(58.2-64.9)			
Gender					
Male	28.1	(26.4-29.9)			
Female	35.5	(33.9-37.2)			
Race/Ethnicity					
White/Non-Hispanic	32.9	(31.6-34.2)			
Black/Non-Hispanic	29.9	(26.4-33.7)			
Other/Non-Hispanic	22.6	(18.1-27.8)			
Hispanic	28.4	(20.3-38.0)			
Education					
Less than high school	44.2	(38.7-49.7)			
High school graduate	34.2	(32.0-36.4)			
Some college	31.2	(29.2-33.2)			
College graduate	24.2	(22.6-25.8)			
Household Income					
< \$20,000	40.1	(36.5-43.7)			
\$20,000 - \$34,999	38.2	(35.3-41.2)			
\$35,000 - \$49,999	33.0	(29.8-36.3)			
\$50,000 - \$74,999	27.3	(24.4-30.4)			
\$75,000 +	22.2	(20.2-24.2)			

^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 = 8,413)

Table 29: Cardiovascular Disease
2014 Michigan BRFS

2014 Michigan BRFS								
		ver Told art Attack ^a	Or Coronary Heart		Ever Told Stroke ^c		Ever Told Any Cardiovascular Disease ^d	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	5.2	(4.7-5.7)	5.4	(4.9-5.9)	3.3	(2.9-3.8)	10.0	(9.3-10.7)
Age								
18 - 34	e	e	e	e	e	e	e	e
35 - 44	e	e	e	e	e	e	3.5	(2.3-5.3)
45 - 54	3.9	(2.8-5.5)	4.1	(2.9-5.8)	2.5	(1.6-3.9)	7.6	(6.0-9.6)
55 - 64	7.5	(6.1-9.1)	8.5	(7.0-10.2)	4.5	(3.5-5.8)	14.4	(12.6-16.4)
65 - 74	11.8	(10.1-13.8)	13.3	(11.5-15.3)	7.0	(5.5-8.9)	22.9	(20.5-25.5)
75 +	17.2	(14.7-20.0)	16.8	(14.3-19.7)	9.1	(7.2-11.3)	30.8	(27.6-34.1)
Gender								
Male	6.4	(5.6-7.2)	6.4	(5.6-7.3)	3.4	(2.8-4.2)	11.3	(10.2-12.5)
Female	4.1	(3.5-4.7)	4.4	(3.8-5.1)	3.2	(2.6-3.8)	8.7	(7.8-9.7)
Race/Ethnicity								
White non-Hispanic	5.4	(4.9-6.0)	5.7	(5.2-6.4)	3.0	(2.6-3.5)	10.2	(9.4-11.0)
Black non-Hispanic	5.1	(3.6-7.1)	4.3	(2.9-6.3)	4.2	(2.9-6.0)	10.6	(8.4-13.3)
Other non-Hispanic	4.7	(2.9-7.6)	4.7	(2.7-8.1)	4.0	(2.4-6.7)	8.9	(6.1-12.7)
Hispanic	e	e	e	e	e	e	e	e
Education								
< High school	8.5	(6.3-11.5)	10.1	(7.6-13.2)	7.0	(4.9-9.9)	18.0	(14.6-22.1)
High school graduate	6.2	(5.3-7.3)	6.0	(5.1-7.0)	3.6	(2.9-4.5)	11.5	(10.2-12.9)
Some college	4.9	(4.2-5.8)	4.5	(3.8-5.4)	2.7	(2.1-3.4)	8.5	(7.5-9.7)
College graduate	2.5	(2.1-3.1)	3.6	(3.0-4.2)	1.8	(1.4-2.3)	6.0	(5.3-6.8)
Household Income								
< \$20,000	8.7	(7.0-10.8)	7.1	(5.5-9.0)	5.0	(3.8-6.5)	14.2	(12.1-16.7)
\$20,000 - \$34,999	7.3	(6.0-8.9)	8.0	(6.6-9.7)	4.8	(3.7-6.3)	15.1	(13.1-17.3)
\$35,000 - \$49,999	5.5	(4.2-7.1)	6.0	(4.7-7.7)	2.3	(1.4-3.5)	9.9	(8.1-12.0)
\$50,000 - \$74,999	3.5	(2.6-4.6)	4.1	(3.2-5.4)	1.8	(1.1-2.9)	6.7	(5.3-8.3)
\$75,000 +	2.1	(1.6-3.0)	2.8	(2.2-3.5)	1.5	(1.0-2.3)	4.8	(3.9-5.8)

Among all adults, the proportion who had ever been told by a doctor that...

a they had a heart attack or myocardial infarction (N = 8,414);

b they had angina or coronary heart disease (N = 8,409);

c they had a stroke. (N = 8,432)

d they had a heart attack, coronary heart disease or a stroke. (N = 8,376)

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

Table 30: Cancer 2014 Michigan BRFS

2014 Michigan BRF3						
	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	5.8	(5.4-6.4)	7.7	(7.1-8.4)	12.3	(11.6-13.1)
Age						
18 - 34	d	d	1.9	(1.2-3.0)	2.2	(1.4-3.3)
35 - 44	d	d	3.8	(2.4-5.9)	4.8	(3.2-7.0)
45 - 54	4.1	(3.1-5.4)	5.2	(4.0-6.7)	9.1	(7.5-10.9)
55 - 64	8.2	(6.9-9.7)	8.8	(7.4-10.4)	15.6	(13.8-17.6)
65 - 74	14.1	(12.3-16.2)	17.5	(15.5-19.8)	28.5	(26.1-31.1)
75 +	20.6	(18.1-23.4)	24.4	(21.5-27.5)	38.0	(34.7-41.4)
Gender						
Male	6.2	(5.5-7.0)	6.6	(5.7-7.6)	11.5	(10.5-12.7)
Female	5.5	(4.9-6.2)	8.8	(8.0-9.8)	13.0	(12.0-14.1)
Race/Ethnicity						
White non-Hispanic	7.3	(6.7-8.0)	8.2	(7.5-8.9)	13.9	(13.1-14.8)
Black non-Hispanic	d	d	6.3	(4.5-8.8)	6.4	(4.6-9.0)
Other non-Hispanic	d	d	5.5	(3.5-8.4)	7.4	(5.1-10.7)
Hispanic	d	d	d	d	d	d
Education						
Less than high school	3.8	(2.4-5.7)	10.4	(7.6-14.0)	12.9	(9.8-16.6)
High school graduate	6.5	(5.6-7.5)	8.2	(7.1-9.4)	13.2	(11.9-14.7)
Some college	5.5	(4.7-6.4)	7.2	(6.2-8.3)	11.6	(10.3-12.9)
College graduate	6.6	(5.8-7.5)	6.7	(5.9-7.6)	12.0	(11.0-13.2)
Household Income						
< \$20,000	4.4	(3.3-5.8)	9.7	(7.7-12.2)	12.9	(10.7-15.5)
\$20,000 - \$34,999	5.5	(4.5-6.6)	9.5	(7.9-11.2)	13.9	(12.1-15.9)
\$35,000 - \$49,999	5.9	(4.8-7.4)	8.0	(6.5-9.8)	12.3	(10.5-14.5)
\$50,000 - \$74,999	6.3	(5.0-7.8)	6.8	(5.4-8.5)	11.9	(10.1-14.0)
\$75,000 +	6.0	(5.1-7.2)	4.5	(3.7-5.4)	9.7	(8.5-11.1)

^a Among all adults, the proportion who reported ever being told by a doctor that they had skin cancer. (N = 8,443)

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 = 8,448)

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 = 8,443)

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

Table 31: Diabetes 2014 Michigan BRFS					
	Ever Told Diabetes ^a				
	95% Confidence Interval				
Total	10.4	(9.7-11.1)			
Age					
18 – 24	b	b			
25 – 34	1.8	(1.0-3.1)			
35 – 44	3.3	(2.1-5.0)			
45 – 54	9.5	(7.8-11.5)			
55 – 64	16.4	(14.5-18.6)			
65 – 74	25.1	(22.7-27.7)			
75 +	21.8	(19.0-24.8)			
Gender					
Male	11.1	(10.1-12.3)			
Female	9.6	(8.7-10.6)			
Race/Ethnicity					
White non-Hispanic	9.9	(9.1-10.7)			
Black non-Hispanic	13.8	(11.6-16.5)			
Other non-Hispanic	10.1	(7.1-14.2)			
Hispanic	8.9	(5.1-15.1)			
Education					
Less than high school	14.6	(11.6-18.2)			
High school graduate	12.0	(10.7-13.4)			
Some college	9.4	(8.3-10.7)			
College graduate	7.5	(6.7-8.5)			
Household Income					
< \$20,000	13.1	(11.1-15.3)			
\$20,000 - \$34,999	14.1	(12.3-16.1)			
\$35,000 - \$49,999	11.7	(9.8-14.0)			
\$50,000 - \$74,999	8.2	(6.6-10.1)			
\$75,000 + 5.7 (4.7-6.9)					

^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 = 8,451)

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

Table 32: Kidney Disease 2014 Michigan BRFS					
	Ever Told Kidney Disease ^a				
	% 95% Confidence Interval				
Total	3.3	(2.9-3.8)			
Age					
18 – 24	b	b			
25 – 34	b	b			
35 – 44	b	b			
45 – 54	3.4	(2.4-4.9)			
55 – 64	4.3	(3.4-5.5)			
65 – 74	6.6	(5.2-8.4)			
75 +	6.9	(5.4-8.8)			
Gender					
Male	2.8	(2.1-3.6)			
Female	3.8	(3.3-4.4)			
Race/Ethnicity					
White non-Hispanic	3.2	(2.8-3.7)			
Black non-Hispanic	4.8	(3.2-7.2)			
Other non-Hispanic	b	b			
Hispanic	b	b			
Education					
Less than high school	6.2	(4.0-9.4)			
High school graduate	3.4	(2.7-4.3)			
Some college	3.0	(2.4-3.7)			
College graduate	2.2	(1.8-2.8)			
Household Income					
< \$20,000	5.7	(4.1-7.8)			
\$20,000 - \$34,999	3.4	(2.5-4.5)			
\$35,000 - \$49,999	3.7	(2.7-5.1)			
\$50,000 - \$74,999	2.6	(1.8-3.7)			
\$75,000 +	1.7	(1.1-2.7)			

Among all adults, the proportion who reported ever being told by a doctor that they had kidney disease. (N = 8,422)

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

Table 33: Depression 2014 Michigan BRFS				
	Ever Told Depression ^a			
	95% % Confidence Interval			
Total	20.5	(19.3-21.6)		
Age				
18 – 24	16.7	(13.3-20.8)		
25 – 34	20.7	(17.5-24.4)		
35 – 44	22.8	(19.5-26.6)		
45 – 54	23.3	(20.7-26.0)		
55 – 64	25.2	(22.9-27.6)		
65 – 74	18.1	(16.0-20.4)		
75 +	10.7	(8.9-12.9)		
Gender				
Male	15.9	(14.4-17.6)		
Female	24.7	(23.1-26.4)		
Race/Ethnicity				
White non-Hispanic	20.9	(19.7-22.2)		
Black non-Hispanic	17.6	(14.3-21.3)		
Other non-Hispanic	19.1	(14.9-24.3)		
Hispanic	27.2	(19.2-37.1)		
Education				
Less than high school	34.9	(29.6-40.5)		
High school graduate	21.3	(19.3-23.3)		
Some college	19.6	(17.8-21.5)		
College graduate	13.6	(12.3-15.0)		
Household Income				
< \$20,000	34.4	(30.8-38.2)		
\$20,000 - \$34,999	23.3	(20.6-26.2)		
\$35,000 - \$49,999	21.8	(18.8-25.0)		
\$50,000 - \$74,999	15.7	(13.2-18.6)		
\$75,000 +	13.4	(11.7-15.4)		

^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 = 8,439)

Table 34: Falls Among Adults Aged 45 Years and Older 2014 Michigan BRFS					
		l During t 12 Months ^a	Injured From a Fall During the Past 12 Months ^b		
	%	95% Confidence Interval	%	95% Confidence Interval	
Total	32.2	(30.8-33.7)	13.1	(12.1-14.3)	
Age					
45 - 54	31.5	(28.6-34.4)	14.3	(12.1-16.8)	
55 - 64	33.2	(30.7-35.7)	14.0	(12.3-16.0)	
65 - 74	32.2	(29.5-35.0)	11.3	(9.5-13.3)	
75 +	33.2	(29.9-36.6)	11.6	(9.6-14.1)	
Gender					
Male	31.5	(29.4-33.8)	11.7	(10.1-13.4)	
Female	32.8	(31.0-34.7)	14.5	(13.1-16.0)	
Race/Ethnicity					
White non-Hispanic	32.1	(30.6-33.7)	12.0	(10.9-13.1)	
Black non-Hispanic	33.0	(28.3-38.1)	19.0	(15.1-23.6)	
Other non-Hispanic	32.9	(24.7-42.2)	21.7	(14.5-31.1)	
Hispanic	29.7	(18.9-43.3)	c	c	
Respondent Education					
Less than high school	43.5	(37.3-50.0)	24.6	(19.4-30.6)	
High school graduate	30.0	(27.6-32.5)	12.2	(10.5-14.1)	
Some college	34.4	(31.9-37.0)	13.3	(11.6-15.2)	
College graduate	27.2	(25.2-29.2)	9.0	(7.8-10.4)	
Household Income					
< \$20,000	45.1	(40.8-49.5)	25.8	(22.0-30.0)	
\$20,000 - \$34,999	36.9	(33.6-40.2)	14.8	(12.5-17.5)	
\$35,000 - \$49,999	32.4	(28.7-36.3)	11.3	(8.9-14.3)	
\$50,000 - \$74,999	26.8	(23.5-30.4)	9.4	(7.4-11.9)	
\$75,000 +	25.3	(22.8-28.1)	7.6	(6.1-9.4)	

^a Among adults aged 45 years and older, the proportion who reported to have unintentionally come to rest on the ground or another lower level during the past 12 months. (N = 6,155)

b Among adults aged 45 years and older, the proportion who reported to have been injured due to a fall during the past 12 months. (N = 6,138)

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