



**BEHAVIORAL RISK FACTOR SURVEY:
A TEN YEAR COMPARISON OF
MACOMB COUNTY
TO
THE STATE OF MICHIGAN,
2005 - 2014**

Macomb County Health Department

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Methodology

The following is a compilation of results from the Michigan Behavioral Risk Factor Survey (MiBRFS) for Health Indicators and Risk Estimates by Community Health Assessment Regions & Local Health Departments, comparing Macomb County to the State of Michigan. Data was extracted from the six MiBRFS reports available on the Michigan Department of Health and Human Services website. This data spanned ten years' worth of survey results. Data for Macomb County and the State of Michigan were extracted for each health indicator in each report. The data was then combined and organized into tables by indicator categories to allow for a comparison between Macomb County and the rest of the State of Michigan. Since questions on the MiBRFS vary from survey to survey, there were not three year average data available for every indicator in every report. Once the data was compared, two additional tables were constricted (Table 1 & 2) listing the indicator each jurisdiction is leading.

It is important to note that methodology changes were made to the Michigan Behavioral Risk Factor Surveillance System in 2011.

For this reason, data from 2011 – 2014 cannot be directly compared to the data from 2005-2010.

Summary: Macomb County Leading

Table 1. A Comparison of Health Indicators from the Michigan Behavioral Risk Factor Survey Where Macomb County's Results Were Better than the State of Michigan Overall, 2005-2014

• No Health Care Coverage Among Those Aged 18-64 Years	• No Personal Health Care Provider
• No Routine Checkup in Past Year	• Activity Limitations on at Least 14 Days in the Past Month
• No Leisure Time Physical Activity	• Immunizations Among Adults 65 Years and Older: Ever Had Pneumonia Vaccine
• Immunizations Among Adults 65 Years and Older: Had Flu Vaccine in Past Year	• Arthritis: Ever Told Arthritis
• Asthma: Current Asthma	• Diabetes: Ever Told Diabetes
• Heart Attack: Ever Told Heart Attack	• Kidney Disease: Ever Told Kidney Disease
• Fruit and Vegetable Consumption: Fruits and Vegetables (≥ 5 times / day)	• Fruit and Vegetable Consumption: Fruits (< 1 time / day)
• Fruit and Vegetable Consumption: Vegetables (< 1 time / day)	• Inadequate Fruit and Vegetable Consumption
• Health Status: General Health, Fair or Poor	• Poor Physical Health on at Least 14 Days in the Past Month
• Depression: Ever Told Depression	• Poor Mental Health on at Least 14 Days in the Past Month
• Dental Visit in Past Year	• Lost 6+ Teeth
• No Dental Visit in Past Year	• Breast Cancer Screening Among Women Age 40 and Older: Had Clinical Breast Exam and Mammogram in Past Year
• Cholesterol Screening Awareness: Checked Within Past Five Years	• Cholesterol Screening Awareness: Cholesterol Ever Checked
• Colorectal Cancer Screening Among Adults Aged 50 Years and Older: Had Sigmoidoscopy in Past 5 Years or Colonoscopy in Past 10 Years	• No Routine Checkup in Past Year
• Prostate Cancer Screening Among Men Aged 50 and Older: Had PSA in Past Year	• Seatbelt Use: Always Uses a Seatbelt
• Former Smoking	• Never Smoked
• Disability	• Rarely or Never Receive Needed Social and Emotional Support
• Obese	

Summary: Michigan Leading

Table 2. A Comparison of Health Indicators from the Michigan Behavioral Risk Factor Survey Where the State of Michigan's Results Were Better than Macomb County Overall, 2005-2014

• No Health Care Access During Past 12 Months Due to Cost
• Adequate Physical Activity
• Inadequate Physical Activity
• Any Alcohol in Past Month
• Binge Drinking
• Heavy Drinking
• HIV Testing Among Adults Aged 18-64 Years: Ever Had an HIV Test
• Angina or Coronary Heart Disease: Ever Told Angina or Coronary Heart Disease
• Asthma: Ever Told Asthma
• Cancer: Ever Told Cancer
• Cardiovascular Disease: Ever Told Any Cardiovascular Disease
• Chronic Obstructive Pulmonary Disease (COPD): Ever Told COPD, Emphysema, or Chronic Bronchitis
• High Blood Pressure: Ever Told HBP
• Stroke: Ever Told Stroke
• Life Satisfaction: Dissatisfied or Very Dissatisfied
• Cervical Cancer Screening Among Women Aged 18 Years and Older: Had Appropriately Timed Pap Test
• Cholesterol Screening Awareness: Ever Told High Cholesterol
• Drove Motor Vehicle After Drinking
• Current Smoking
• Healthy Weight
• Overweight

Access to Care Indicators

Table 3. A Comparison of Health Indicators Related to Access to Care from the Michigan Behavioral Risk Factor Survey for Macomb County and the State of Michigan, 2005-2014

		Unit (%) (95 % Confidence Interval)					
Health Indicator	Region	2012- 2014	2011- 2013	2008- 2010	2007- 2009	2006- 2008	2005- 2007
No Health Care Access During Past 12 Months Due to Cost	Macomb	16.1 (14.0-18.4)	16.3 (14.1-18.8)	12.8 (10.7-15.4)	12.7 (10.5-15.3)	12.3 (10.1-15.0)	11.3 (9.4-13.5)
	Michigan	15.0 (14.5-15.6)	15.7 (15.1-16.3)	13.4 (12.8-14.0)	12.7 (12.1-13.3)	12.0 (11.4-12.6)	12.2 (11.7-12.8)
No Health Care Coverage Among Those Aged 18-64 Years	Macomb	14.7 (12.3-17.4)	16.9 (14.3-19.8)	14.6 (12.2-17.3)	14.0 (11.3-17.3)	13.6 (10.9-16.8)	14.1 (11.6-17.0)
	Michigan	15.6 (14.9-16.3)	17.4 (16.7-18.2)	15.1 (14.5-15.7)	14.8 (14.0-15.6)	14.2 (13.4-14.9)	14.5 (13.8-15.2)
No Personal Health Care Provider	Macomb	14.2 (12.2-16.4)	13.8 (11.6-16.2)	10.2 (8.1-12.8)	11.1 (9.0-13.8)	13.3 (10.9-16.3)	14.2 (11.9-16.8)
	Michigan	16.3 (15.7-16.9)	16.1 (15.5-16.7)	12.5 (11.9-13.2)	13.2 (12.6-13.9)	13.3 (12.7-14.0)	14.5 (13.9-15.1)

Activity Indicators

Table 4. A Comparison of Health Indicators Related to Activity from the Michigan Behavioral Risk Factor Survey for Macomb County and the State of Michigan, 2005-2014

		Unit (%) (95 % Confidence Interval)					
Health Indicator	Region	2012-2014	2011-2013	2008-2010	2007-2009	2006-2008	2005-2007
Activity Limitations on at Least 14 Days in the Past Month	Macomb	7.0 (5.8-8.5)	7.2 (5.8-8.8)	6.4 (4.9-8.3)	6.3 (4.7-8.3)	5.4 (4.2-7.0)	6.1 (5.0-7.5)
	Michigan	8.9 (8.4-9.3)	9.1 (8.6-9.5)	7.0 (6.6-7.4)	7.0 (6.6-7.4)	7.0 (6.6-7.4)	7.1 (6.8-7.5)
Adequate Physical Activity	Macomb	-	19.4 (16.6-22.5)	-	-	-	-
	Michigan	-	19.6 (18.9-20.4)	-	-	-	-
Inadequate Physical Activity	Macomb	-	-	-	48.8 (45.0-52.6)	50.9 (46.0-55.7)	51.7 (48.0-55.3)
	Michigan	-	-	-	49.1 (48.2-50.1)	49.4 (48.3-50.6)	50.1 (49.2-51.0)
No Leisure Time Physical Activity	Macomb	24.4 (22.0-26.8)	22.1 (19.9-24.6)	22.6 (20.1-25.2)	22.0 (19.6-24.7)	22.2 (19.6-25.0)	22.3 (20.0-24.8)
	Michigan	24.4 (23.7-25.1)	23.8 (23.1-24.4)	24.3 (23.6-25.0)	23.5 (22.8-24.2)	23.1 (22.4-23.8)	22.1 (21.5-22.8)

Alcohol Indicators

Table 5. A Comparison of Health Indicators Related to Alcohol from the Michigan Behavioral Risk Factor Survey for Macomb County and the State of Michigan, 2005-2014

		Unit (%) (95 % Confidence Interval)					
Health Indicator	Region	2012-2014	2011-2013	2008-2010	2007-2009	2006-2008	2005-2007
Any Alcohol in Past Month	Macomb	58.2 (55.4-61.0)	59.9 (56.9-62.8)	-	-	-	-
	Michigan	56.7 (55.9-57.4)	56.9 (56.1-57.6)	-	-	-	-
Binge Drinking	Macomb	20.7 (18.5-23.2)	21.7 (19.2-24.4)	20.0 (17.3-23.0)	22.0 (19.1-25.2)	18.6 (15.8-21.8)	17.3 (14.9-20.0)
	Michigan	19.0 (18.4-19.6)	19.2 (18.6-19.9)	16.6 (15.9-17.3)	17.6 (16.9-18.3)	17.9 (17.1-18.6)	17.4 (16.7-18.0)
Heavy Drinking	Macomb	6.2 (5.0-7.7)	7.0 (5.5-8.8)	5.5 (4.1-7.4)	6.7 (5.0-8.9)	7.2 (5.4-9.7)	6.1 (4.6-7.9)
	Michigan	6.4 (6.0-6.8)	6.4 (6.1-6.9)	5.4 (5.0-5.8)	5.6 (5.2-6.0)	5.6 (5.1-6.0)	5.6 (5.2-6.0)

Communicable & Infectious Disease Indicators

Table 6. A Comparison of Health Indicators Related to Communicable and Infectious Disease from the Michigan Behavioral Risk Factor Survey for Macomb County and the State of Michigan, 2005-2014

		Unit (%) (95 % Confidence Interval)					
Health Indicator	Region	2012-2014	2011-2013	2008-2010	2007-2009	2006-2008	2005-2007
HIV Testing Among Adults Aged 18-64 Years: Ever Had an HIV Test	Macomb	39.3 (36.1-42.7)	39.2 (35.9-42.7)	38.1 (34.3-42.1)	38.1 (34.3-42.1)	36.2 (32.3-40.3)	33.6 (30.2-37.1)
	Michigan	40.6 (39.7-41.5)	41.0 (40.1-41.9)	37.8 (36.9-38.8)	38.0 (37.0-38.9)	37.2 (36.2-38.2)	38.6 (37.7-39.5)
Immunizations Among Adults 65 Years and Older: Ever Had Pneumonia Vaccine	Macomb	71.2 (66.9-75.3)	70.2 (65.6-74.5)	68.2 (63.6-72.4)	68.2 (63.1-72.8)	66.4 (60.7-71.6)	66.2 (60.9-71.2)
	Michigan	68.2 (67.0-69.4)	67.5 (66.2-68.7)	67.1 (66.0-68.3)	65.9 (64.6-67.1)	65.7 (64.4-67.0)	65.7 (64.4-67.0)
Immunizations Among Adults 65 Years and Older: Had Flu Vaccine in Past Year	Macomb	56.2 (51.6-60.7)	57.4 (52.6-62.1)	69.5 (65.0-73.6)	71.3 (66.4-75.7)	74.8 (69.7-79.3)	69.8 (65.0-74.3)
	Michigan	56.6 (55.4-57.9)	56.7 (55.4-58.0)	68.9 (67.8-70.0)	69.9 (68.7-71.0)	70.7 (69.4-71.9)	69.3 (68.0-70.5)

Chronic Disease Indicators: Cardiovascular Health

Table 7. A Comparison of Health Indicators Related to Cardiovascular Health from the Michigan Behavioral Risk Factor Survey for Macomb County and the State of Michigan, 2005-2014

Health Indicator	Region	Unit (%) (95 % Confidence Interval)					
		2012-2014	2011-2013	2008-2010	2007-2009	2006-2008	2005-2007
Ever Told Angina or Coronary Heart Disease	Macomb	5.9 (4.9-7.2)	5.2 (4.3-6.4)	4.4 (3.5-5.5)	4.4 (3.4-5.5)	5.3 (4.2-6.7)	5.7 (4.7-6.9)
	Michigan	5.2 (4.9-5.5)	5.1 (4.8-5.4)	4.8 (4.5-5.1)	4.7 (4.4-4.9)	4.9 (4.6-5.2)	4.8 (4.5-5.1)
Ever Told Any Cardiovascular Disease	Macomb	10.8 (9.3-12.4)	10.4 (9.0-12.1)	8.5 (7.1-10.0)	-	-	-
	Michigan	10.0 (9.6-10.4)	9.8 (9.4-10.2)	8.9 (8.6-9.3)	-	-	-
Heart Attack: Ever Told Heart Attack	Macomb	5.3 (4.3-6.4)	5.3 (4.3-6.5)	4.0 (3.2-5.0)	3.9 (3.1-4.9)	3.7 (2.9-4.8)	4.6 (3.7-5.7)
	Michigan	5.2 (4.9-5.5)	5.2 (4.9-5.5)	4.6 (4.3-4.9)	4.6 (4.3-4.8)	4.7 (4.4-5.0)	4.8 (4.5-5.0)
High Blood Pressure: Ever Told HBP	Macomb	-	36.2 (33.0-39.5)	-	30.2 (26.7-33.9)	-	28.6 (25.8-31.6)
	Michigan	-	34.4 (33.6-35.2)	-	29.8 (28.9-30.7)	-	28.3 (27.6-29.0)
Stroke: Ever Told Stroke	Macomb	4.7 (3.7-6.0)	4.4 (3.4-5.6)	2.7 (2.0-3.7)	2.7 (2.0-3.8)	2.9 (2.1-4.1)	3.4 (2.5-4.5)
	Michigan	3.4 (3.2-3.7)	3.4 (3.2-3.7)	2.8 (2.6-3.0)	2.8 (2.6-3.0)	2.9 (2.7-3.1)	2.9 (2.7-3.1)
Cholesterol Screening Awareness: Ever Told High Cholesterol	Macomb	-	43.2 (39.6-46.8)	-	39.8 (35.8-43.9)	-	40.8 (37.3-44.4)
	Michigan	-	41.2 (40.2-42.1)	-	39.3 (38.3-40.3)	-	39.3 (38.4-40.2)

Chronic Disease Indicators: Respiratory Health

Table 8. A Comparison of Health Indicators Related to Respiratory Health from the Michigan Behavioral Risk Factor Survey for Macomb County and the State of Michigan, 2005-2014

		Unit (%) (95 % Confidence Interval)					
Health Indicator	Region	2012-2014	2011-2013	2008-2010	2007-2009	2006-2008	2005-2007
Asthma: Current Asthma	Macomb	11.4 (9.7-13.5)	10.8 (9.0-12.9)	10.1 (8.3-12.2)	9.4 (7.7-11.5)	9.3 (7.4-11.6)	8.5 (6.9-10.5)
	Michigan	11.0 (10.5-11.4)	10.6 (10.1-11.1)	10.1 (9.6-10.6)	9.8 (9.3-10.3)	9.7 (9.2-10.2)	9.3 (8.8-9.7)
Asthma: Ever Told Asthma	Macomb	17.2 (15.1-19.6)	16.9 (14.7-19.3)	15.8 (13.4-18.5)	14.1 (11.9-16.6)	14.4 (12.0-17.1)	13.1 (11.1-15.4)
	Michigan	15.8 (15.3-16.4)	15.6 (15.1-16.2)	15.6 (15.0-16.2)	15.3 (14.6-15.9)	14.8 (14.2-15.4)	14.1 (13.5-14.7)
Ever Told COPD, Emphysema, or Chronic Bronchitis	Macomb	10.0 (8.4-11.8)	9.2 (7.6-11.0)	-	-	-	-
	Michigan	8.3 (7.9-8.8)	8.1 (7.7-8.5)	-	-	-	-

Chronic Disease Indicators: Other

Table 9. A Comparison of Health Indicators Related to Other Chronic Disease from the Michigan Behavioral Risk Factor Survey for Macomb County and the State of Michigan, 2005-2014

Health Indicator	Region	Unit (%) (95 % Confidence Interval)					
		2012-2014	2011-2013	2008-2010	2007-2009	2006-2008	2005-2007
Arthritis: Ever Told Arthritis	Macomb	29.8 (27.4-32.2)	30.2 (27.8-32.8)	32.4 (28.6-36.4)	-	-	32.0 (29.1-35.1)
	Michigan	31.7 (31.0-32.3)	31.4 (30.7-32.0)	31.5 (30.5-32.5)	-	-	31.2 (30.5-32.0)
Cancer: Ever Told Cancer	Macomb	12.4 (11.0-14.0)	13.0 (11.4-14.7)	-	-	-	-
	Michigan	12.2 (11.7-12.6)	12.0 (11.6-12.4)	-	-	-	-
Diabetes: Ever Told Diabetes	Macomb	8.5 (7.3-10.0)	8.5 (7.2-9.9)	9.3 (7.7-11.2)	8.2 (6.9-9.7)	7.8 (6.5-9.4)	8.3 (6.9-9.9)
	Michigan	10.4 (10.0-10.8)	10.3 (9.9-10.7)	9.5 (9.1-9.9)	9.2 (8.8-9.6)	9.0 (8.6-9.4)	8.5 (8.2-8.9)
Kidney Disease: Ever Told Kidney Disease	Macomb	3.1 (2.3-4.1)	2.8 (2.1-3.7)	-	-	-	-
	Michigan	3.2 (3.0-3.5)	3.1 (2.9-3.4)	-	-	-	-

Diet Indicators

Table 10. A Comparison of Health Indicators Related to Diet from the Michigan Behavioral Risk Factor Survey for Macomb County and the State of Michigan, 2005-2014

		Unit (%) (95 % Confidence Interval)					
Health Indicator	Region	2012-2014	2011-2013	2008-2010	2007-2009	2006-2008	2005-2007
Fruit and Vegetable Consumption: Fruits and Vegetables (≥ 5 times / day)	Macomb	-	17.3 (14.8-20.2)	-	-	-	-
	Michigan	-	16.6 (15.9-17.3)	-	-	-	-
Fruit and Vegetable Consumption: Fruits (< 1 time / day)	Macomb	-	35.5 (32.0-39.1)	-	-	-	-
	Michigan	-	37.5 (36.6-38.4)	-	-	-	-
Fruit and Vegetable Consumption: Vegetables (< 1 time / day)	Macomb	-	23.5 (20.6-26.8)	-	-	-	-
	Michigan	-	23.9 (23.1-24.8)	-	-	-	-
Inadequate Fruit and Vegetable Consumption	Macomb	-	-	-	78.0 (75.0-80.7)	77.4 (73.4-80.9)	79.0 (76.0-81.7)
	Michigan	-	-	-	78.2 (77.5-78.9)	78.5 (77.6-79.4)	77.8 (77.0-78.5)

General Health Indicators

Table 11. A Comparison of Health Indicators Related to Overall Health from the Michigan Behavioral Risk Factor Survey for Macomb County and the State of Michigan, 2005-2014

Unit (%) (95 % Confidence Interval)							
Health Indicator	Region	2012-2014	2011-2013	2008-2010	2007-2009	2006-2008	2005-2007
Health Status: General Health, Fair or Poor	Macomb	17.2 (15.3-19.4)	16.0 (14.1-18.2)	13.6 (11.7-15.7)	14.9 (12.8-17.3)	14.4 (12.4-16.7)	14.9 (13.0-17.1)
	Michigan	17.2 (16.6-17.8)	17.3 (16.8-17.9)	14.6 (14.1-15.2)	14.8 (14.2-15.3)	14.8 (14.2-15.3)	15.1 (14.5-15.6)
Life Satisfaction: Dissatisfied or Very Dissatisfied	Macomb	-	-	5.7 (4.4-7.4)	6.6 (5.1-8.5)	6.9 (5.3-8.9)	6.8 (5.3-8.6)
	Michigan	-	-	6.3 (5.9-6.8)	6.5 (6.1-6.9)	6.1 (5.7-6.5)	6.2 (5.9-6.6)
Poor Physical Health on at Least 14 Days in the Past Month	Macomb	11.0 (9.5-12.7)	10.8 (9.3-12.6)	10.7 (8.8-12.9)	10.1 (8.2-12.3)	9.9 (8.3-11.9)	10.6 (9.1-12.4)
	Michigan	12.9 (12.4-13.5)	13.1 (12.6-13.6)	10.8 (10.3-11.3)	10.9 (10.4-11.4)	10.9 (10.5-11.4)	11.1 (10.6-11.5)

Mental Health Indicators

Table 12. A Comparison of Health Indicators Related to Mental Health from the Michigan Behavioral Risk Factor Survey for Macomb County and the State of Michigan, 2005-2014

		Unit (%) (95 % Confidence Interval)					
Health Indicator	Region	2012-2014	2011-2013	2008-2010	2007-2009	2006-2008	2005-2007
Depression: Ever Told Depression	Macomb	18.6 (16.4-20.9)	19.7 (17.4-22.2)	-	-	-	-
	Michigan	20.8 (20.2-21.4)	20.9 (20.2-21.5)	-	-	-	-
Poor Mental Health on at Least 14 Days in the Past Month	Macomb	12.0 (10.2-13.9)	11.8 (10.1-13.8)	11.2 (9.1-13.6)	10.9 (8.9-13.3)	10.2 (8.4-12.4)	11.6 (9.9-13.7)
	Michigan	12.6 (12.1-13.2)	12.7 (12.2-13.3)	10.8 (10.3-11.4)	10.9 (10.4-11.5)	10.8 (10.3-11.3)	10.9 (10.4-11.4)

Oral Health Indicators

Table 13. A Comparison of Health Indicators Related to Oral Health from the Michigan Behavioral Risk Factor Survey for Macomb County and the State of Michigan, 2005-2014

Health Indicator	Region	Unit (%) (95 % Confidence Interval)					
		2012-2014	2011-2013	2008-2010	2007-2009	2006-2008	2005-2007
Dental Visit in Past Year	Macomb	-	-	81.8 (78.5-84.7)	-	80.6 (77.1-83.8)	-
	Michigan	-	-	73.8 (72.8-74.7)	-	74.7 (73.8-75.6)	-
Lost 6+ Teeth	Macomb	15.6 (13.2-18.2)	-	12.3 (10.4-14.5)	-	13.5 (11.3-15.9)	-
	Michigan	15.6 (15.0-16.3)	-	13.8 (13.3-14.4)	-	14.6 (14.0-15.2)	-
No Dental Visit in Past Year	Macomb	25.6 (22.7-28.8)	-	-	-	-	-
	Michigan	31.7 (30.8-32.6)	-	-	-	-	-

Preventative Care Indicators: Cancer

Table 14. A Comparison of Health Indicators Related to Cancer from the Michigan Behavioral Risk Factor Survey for Macomb County and the State of Michigan, 2005-2014

Health Indicator	Region	Unit (%) (95 % Confidence Interval)					
		2012-2014	2011-2013	2008-2010	2007-2009	2006-2008	2005-2007
Breast Cancer Screening Among Women Age 40 and Older: Had Clinical Breast Exam and Mammogram in Past Year	Macomb	46.7 (41.8-51.8)	-	58.7 (53.7-63.5)	-	57.0 (51.8-62.0)	-
	Michigan	49.1 (47.8-50.5)	-	54.6 (53.4-55.9)	-	56.4 (55.1-57.7)	-
Cervical Cancer Screening Among Women Aged 18 Years and Older: Had Appropriately Timed Pap Test	Macomb	74.9 (69.7-79.5)	-	77.9 (72.0-82.8)	-	79.4 (74.6-83.5)	-
	Michigan	77.2 (75.8-78.5)	-	79.3 (77.8-81.3)	-	81.3 (80.3-82.4)	-
Colorectal Cancer Screening Among Adults Aged 50 Years and Older: Had Sigmoidoscopy in Past 5 Years or Colonoscopy in Past 10 Years	Macomb	71.5 (68.2-74.7)	70.7 (66.4-74.6)	67.0 (62.7-71.1)	-	57.4 (52.6-62.2)	-
	Michigan	68.6 (67.7-69.4)	67.8 (66.8-68.9)	64.5 (63.4-65.6)	-	56.9 (55.7-58.1)	-
Prostate Cancer Screening Among Men Aged 50 and Older: Had PSA in Past Year	Macomb	59.6 (52.6-66.3)	-	67.9 (61.1-74.0)	-	67.4 (59.7-74.2)	-
	Michigan	46.3 (44.6-48.1)	-	59.0 (57.2-60.7)	-	60.8 (58.8-62.7)	-

Preventative Care Indicators: Other

Table 15. A Comparison of Health Indicators Related to Other Preventative Care from the Michigan Behavioral Risk Factor Survey for Macomb County and the State of Michigan, 2005-2014

		Unit (%) (95 % Confidence Interval)					
Health Indicator	Region	2012-2014	2011-2013	2008-2010	2007-2009	2006-2008	2005-2007
Cholesterol Screening Awareness: Checked Within Past Five Years	Macomb	-	-	-	-	-	80.2 (76.7-83.3)
	Michigan	-	-	-	-	-	77.2 (76.3-78.1)
Cholesterol Screening Awareness: Cholesterol Ever Checked	Macomb	-	82.1 (78.6-85.2)	-	85.5 (81.3-88.9)	-	83.9 (80.4-86.9)
	Michigan	-	82.1 (81.3-83.0)	-	82.9 (81.9-83.9)	-	81.0 (80.2-81.9)
No Routine Checkup in Past Year	Macomb	29.6 (27.1-32.4)	31.9 (29.1-34.8)	29.8 (26.7-33.0)	31.6 (28.4-34.9)	31.3 (28.0-34.7)	30.8 (27.9-33.9)
	Michigan	30.6 (29.9-31.3)	32.4 (31.6-33.1)	32.3 (31.5-33.1)	31.2 (30.4-32.0)	31.4 (30.6-32.3)	30.2 (29.5-31.0)

Safety Indicators

Table 16. A Comparison of Health Indicators Related to Safety from the Michigan Behavioral Risk Factor Survey for Macomb County and the State of Michigan, 2005-2014

		Unit (%) (95 % Confidence Interval)					
Health Indicator	Region	2012- 2014	2011- 2013	2008- 2010	2007- 2009	2006- 2008	2005- 2007
Drove Motor Vehicle After Drinking	Macomb	-	-	3.3 (1.8-6.1)	-	3.3 (1.8-6.1)	-
	Michigan	-	-	2.7 (2.3-3.0)	-	2.7 (2.3-3.0)	-
Seatbelt Use: Always Uses a Seatbelt	Macomb	89.6 (87.5-91.3)	91.1 (89.1-92.7)	91.1 (88.2-93.4)	-	91.1 (88.2-93.4)	-
	Michigan	88.5 (88.0-89.1)	88.9 (88.3-89.4)	88.3 (87.5-89.0)	-	88.3 (87.5-89.0)	-

Smoking Indicators

Table 17. A Comparison of Health Indicators Related to Smoking from the Michigan Behavioral Risk Factor Survey for Macomb County and the State of Michigan, 2005-2014

		Unit (%) (95 % Confidence Interval)					
Health Indicator	Region	2012-2014	2011-2013	2008-2010	2007-2009	2006-2008	2005-2007
Current Smoking	Macomb	25.3 (22.8-28.0)	25.8 (23.2-28.7)	17.6 (15.2-20.2)	19.7 (17.2-22.5)	20.6 (17.9-23.5)	22.4 (20.0-25.1)
	Michigan	22.0 (21.3-22.7)	22.7 (22.0-23.4)	19.7 (19.0-20.4)	20.3 (19.6-21.0)	21.0 (20.2-21.7)	21.7 (21.1-22.4)
Former Smoking	Macomb	26.0 (23.8-28.4)	26.5 (24.2-29.0)	26.8 (24.2-29.5)	27.6 (24.9-30.4)	26.8 (24.0-29.7)	26.3 (23.9-28.9)
	Michigan	26.5 (25.9-27.1)	26.2 (25.5-26.8)	25.6 (24.9-26.2)	25.4 (19.6-21.0)	25.4 (24.7-26.1)	25.7 (25.1-26.3)
Never Smoked	Macomb	48.7 (45.9-51.5)	47.7 (44.8-50.6)	55.7 (52.4-58.9)	52.7 (49.3-56.1)	52.6 (49.2-56.1)	51.2 (48.1-54.3)
	Michigan	51.5 (50.8-52.3)	51.2 (50.4-51.9)	54.8 (53.9-55.6)	54.2 (53.4-55.1)	53.6 (52.8-54.5)	52.6 (51.8-53.4)

Social Indicators

Table 18. A Comparison of Health Indicators Related to Social Issues from the Michigan Behavioral Risk Factor Survey for Macomb County and the State of Michigan, 2005-2014

		Unit (%) (95 % Confidence Interval)					
Health Indicator	Region	2012- 2014	2011- 2013	2008- 2010	2007- 2009	2006- 2008	2005- 2007
Disability	Macomb	23.6 (21.4-26.0)	25.0 (22.6-27.6)	22.0 (19.5-24.8)	20.5 (18.1-23.2)	20.3 (18.0-22.8)	20.2 (18.0-22.5)
	Michigan	25.0 (24.4-25.6)	26.1 (25.4-26.7)	23.7 (23.0-24.3)	23.2 (22.5-23.8)	23.8 (23.1-24.5)	22.4 (21.8-23.0)
Social and Emotional Support: Rarely or Never Receive Needed Social and Emotional Support	Macomb	-	-	6.4 (5.0-8.0)	5.8 (4.4-7.5)	6.9 (5.3-9.0)	7.1 (5.6-9.0)
	Michigan	-	-	7.1 (6.7-7.6)	7.1 (6.7-7.5)	6.7 (6.3-7.1)	6.9 (6.6-7.4)

Weight Status Indicators

Table 19. A Comparison of Health Indicators Related to Weight Status from the Michigan Behavioral Risk Factor Survey for Macomb County and the State of Michigan, 2005-2014

		Unit (%) (95 % Confidence Interval)					
Health Indicator	Region	2012-2014	2011-2013	2008-2010	2007-2009	2006-2008	2005-2007
Healthy Weight	Macomb	32.0 (29.3-34.7)	31.9 (29.1-34.8)	33.4 (30.1-36.9)	34.1 (30.7-37.6)	36.2 (32.6-39.8)	36.0 (32.9-39.2)
	Michigan	32.6 (31.9-33.3)	32.7 (32.0-33.5)	33.8 (33.0-34.6)	34.4 (33.6-35.3)	35.0 (34.2-35.9)	36.1 (35.3-36.9)
Obese	Macomb	33.1 (30.5-35.9)	31.5 (28.8-34.3)	29.6 (26.6-32.8)	29.1 (26.2-32.3)	28.2 (25.1-31.4)	25.9 (23.2-28.7)
	Michigan	31.1 (30.4-31.8)	31.0 (30.6-32.0)	30.9 (30.1-31.6)	29.9 (29.2-30.7)	29.2 (28.4-30.0)	27.6 (26.9-28.3)
Overweight	Macomb	33.1 (30.6-35.8)	34.7 (32.0-37.5)	37.0 (33.8-40.3)	36.8 (33.5-40.1)	35.7 (32.4-39.1)	38.1 (35.1-41.2)
	Michigan	34.7 (34.0-35.5)	34.5 (33.8-35.2)	35.3 (34.5-36.1)	35.6 (34.8-36.5)	35.7 (34.9-36.6)	36.3 (35.6-37.1)

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