

# Oral Health Care Rates, Michigan Medicaid by County, 2018



# Table of Contents

Purpose and Indicator Definitions.....	3
Map of Michigan Counties.....	4
1+ Dental Service (%), 0-18 Years.....	5
2+ Dental Services (%), 0-18 Years.....	7
1+ Preventive Dental Service (%), 0-18 Years.....	9
1+ Dental Service (%), 19-64 Years.....	11
2+ Dental Services (%), 19-64 Years.....	13
1+ Preventive Dental Service (%), 19-64 Years.....	15

## **Purpose:**

The purpose of this document is to show geographically where oral health care use is highest among Medicaid enrollees in Michigan. This report includes maps of each oral health indicator the state monitors for trends. More information and data on oral health can be found at: [www.Michigan.gov/oralhealth](http://www.Michigan.gov/oralhealth).

The maps were prepared by the Michigan Department of Health and Human Services, Lifecourse Epidemiology and Genomics Division, with source data from the Michigan Medicaid Data Warehouse. The Medicaid population was restricted to those with three or more months of Medicaid dental insurance in calendar year 2018. The counts are summarized by the members' most recent county in the eligible months table for 2018 and age group as of December 31, 2018.

## **Oral Health Indicators and their Definitions:**

### **1+ Dental Service (%):**

The proportion of enrollees in Medicaid (ages 0-18 or 19-64 years) with one or more dental visits. A dental visit was counted if they had a service date with a dental procedure code (ie. DXXXX). The dental visit could have occurred in a medical or dental office.

### **2+ Dental Services (%):**

The proportion of enrollees in Medicaid (ages 0-18 or 19-64 years) with two or more dental visits. A dental visit was counted if they had a service date with a dental procedure code (ie. DXXXX). The dental visit could have occurred in a medical or dental office.

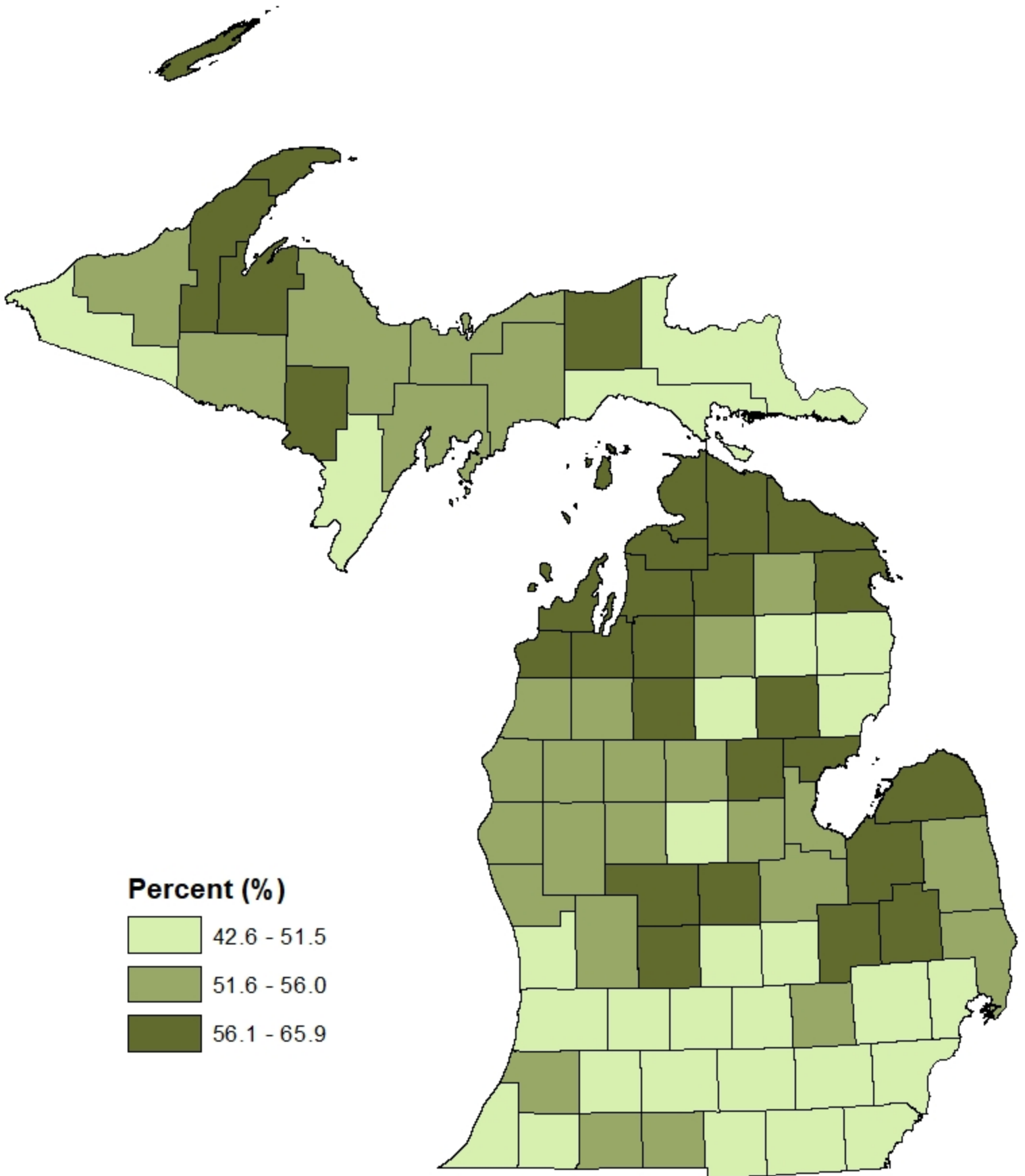
### **1+ Preventive Dental Service (%):**

The proportion of enrollees in Medicaid (ages 0-18 or 19-64 years) with one or more preventive dental visits. A dental visit was counted as preventive if they had a service date with one of the following dental procedure codes: D1120, D1110, D1206, D1208, D1351 or D1354. The dental visit could have occurred in a medical or dental office.

# Map of Michigan with County Names



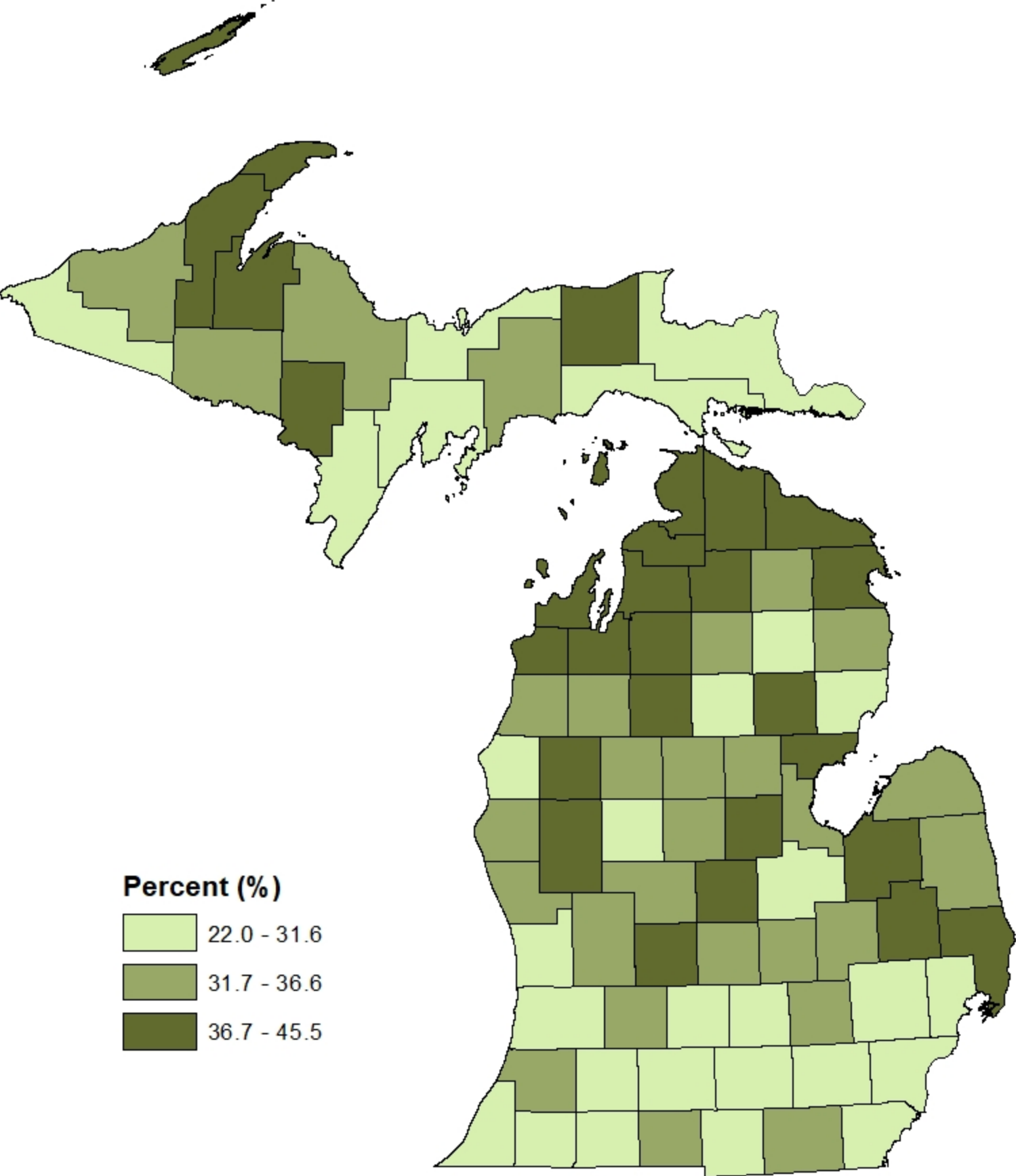
# 1+ Dental Service, 0-18 Years



# 1+ Dental Service, 0-18 Years

County	Percent (%)	County	Percent (%)
Alcona	50.4	Lake	56.0
Alger	51.8	Lapeer	57.3
Allegan	50.4	Leelanau	61.2
Alpena	57.2	Lenawee	51.5
Antrim	65.8	Livingston	52.7
Arenac	57.4	Luce	56.7
Baraga	59.0	Mackinac	45.2
Barry	51.6	Macomb	49.8
Bay	51.6	Manistee	51.8
Benzie	59.0	Marquette	53.5
Berrien	46.4	Mason	51.9
Branch	51.7	Mecosta	52.1
Calhoun	45.1	Menominee	46.9
Cass	47.4	Midland	55.7
Charlevoix	63.0	Missaukee	61.9
Cheboygan	65.4	Monroe	43.7
Chippewa	45.5	Montcalm	56.9
Clare	55.3	Montmorency	55.9
Clinton	51.5	Muskegon	52.1
Crawford	54.0	Newaygo	55.9
Delta	54.7	Oakland	48.8
Dickinson	59.5	Oceana	52.9
Eaton	49.6	Ogemaw	56.8
Emmet	62.2	Ontonagon	54.0
Genesee	56.3	Osceola	53.7
Gladwin	58.7	Oscoda	50.5
Gogebic	42.7	Otsego	62.1
Grand Traverse	58.7	Ottawa	49.5
Gratiot	57.1	Presque Isle	62.3
Hillsdale	48.8	Roscommon	51.3
Houghton	60.5	Saginaw	52.2
Huron	57.9	Sanilac	55.9
Ingham	49.0	Schoolcraft	52.3
Ionia	57.2	Shiawassee	55.0
Iosco	46.5	St. Clair	53.4
Iron	53.8	St. Joseph	50.8
Isabella	51.4	Tuscola	56.7
Jackson	49.5	Van Buren	53.6
Kalamazoo	47.8	Washtenaw	49.5
Kalkaska	62.3	Wayne	46.9
Kent	53.7	Wexford	55.6
Keweenaw	66.0	State of Michigan	50.4

# 2+ Dental Service, 0-18 Years

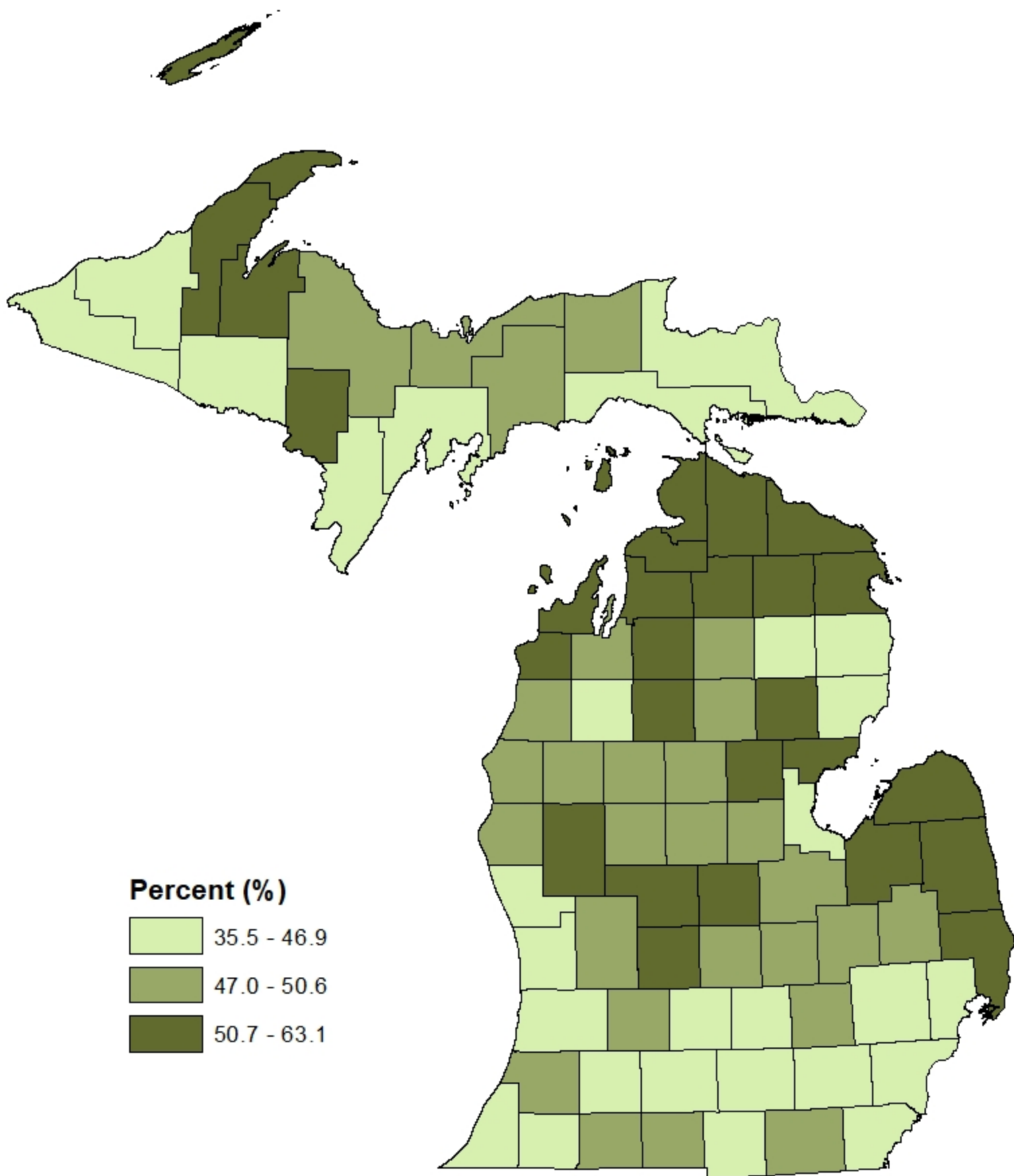


# 2+ Dental Service, 0-18 Years

County	Percent (%)	County	Percent (%)
Alcona	36.4	Lake	38.5
Alger	29.2	Lapeer	36.9
Allegan	29.4	Leelanau	37.7
Alpena	36.8	Lenawee	32.4
Antrim	44.2	Livingston	34.6
Arenac	37.3	Luce	37.6
Baraga	41.6	Mackinac	24.8
Barry	33.0	Macomb	30.1
Bay	33.1	Manistee	31.8
Benzie	37.3	Marquette	33.3
Berrien	24.8	Mason	31.1
Branch	32.8	Mecosta	30.6
Calhoun	23.0	Menominee	26.4
Cass	29.9	Midland	36.8
Charlevoix	41.5	Missaukee	41.2
Cheboygan	45.5	Monroe	26.3
Chippewa	24.4	Montcalm	35.4
Clare	32.2	Montmorency	34.1
Clinton	32.5	Muskegon	32.3
Crawford	34.1	Newaygo	37.1
Delta	31.2	Oakland	28.8
Dickinson	40.6	Oceana	32.8
Eaton	28.9	Ogemaw	40.0
Emmet	40.3	Ontonagon	35.1
Genesee	34.8	Osceola	33.4
Gladwin	36.0	Oscoda	28.6
Gogebic	22.0	Otsego	43.1
Grand Traverse	38.4	Ottawa	29.9
Gratiot	38.1	Presque Isle	41.7
Hillsdale	27.1	Roscommon	31.7
Houghton	38.3	Saginaw	31.5
Huron	36.6	Sanilac	38.6
Ingham	27.3	Schoolcraft	28.3
Ionia	37.0	Shiawassee	35.0
Iosco	29.4	St. Clair	35.2
Iron	32.1	St. Joseph	32.2
Isabella	32.4	Tuscola	38.2
Jackson	27.0	Van Buren	33.1
Kalamazoo	25.4	Washtenaw	29.2
Kalkaska	40.5	Wayne	25.7
Kent	33.8	Wexford	34.8
Keweenaw	37.6	State of Michigan	29.9



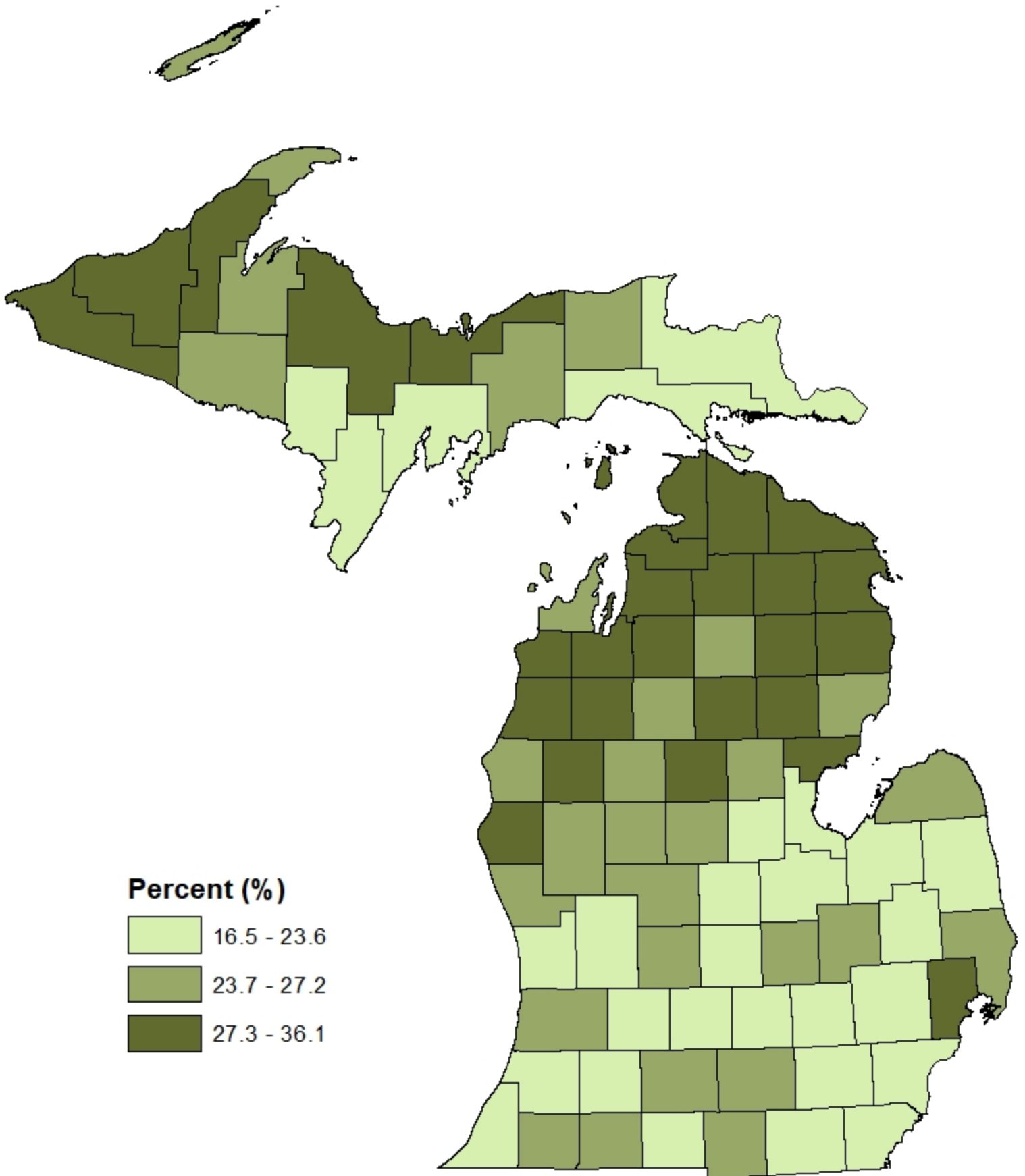
# 1+ Preventive Dental Service, 0-18 Years



# 1+ Preventive Dental Service, 0-18 Years

County	Percent (%)	County	Percent (%)
Alcona	46.8	Lake	50.6
Alger	48.9	Lapeer	48.1
Allegan	46.9	Leelanau	52.6
Alpena	53.7	Lenawee	48.5
Antrim	61.7	Livingston	49.6
Arenac	53.9	Luce	50.5
Baraga	54.4	Mackinac	39.6
Barry	48.5	Macomb	46.0
Bay	46.3	Manistee	48.2
Benzie	51.1	Marquette	48.2
Berrien	42.7	Mason	48.9
Branch	47.7	Mecosta	48.9
Calhoun	40.2	Menominee	40.1
Cass	44.1	Midland	50.5
Charlevoix	61.1	Missaukee	53.0
Cheboygan	63.2	Monroe	40.3
Chippewa	38.8	Montcalm	53.5
Clare	50.6	Montmorency	52.9
Clinton	47.9	Muskegon	46.4
Crawford	50.7	Newaygo	52.2
Delta	46.5	Oakland	45.3
Dickinson	54.8	Oceana	49.6
Eaton	46.2	Ogemaw	53.5
Emmet	59.7	Ontonagon	46.5
Genesee	50.6	Osceola	47.2
Gladwin	54.4	Oscoda	46.7
Gogebic	35.5	Otsego	60.2
Grand Traverse	49.1	Ottawa	46.5
Gratiot	53.2	Presque Isle	58.0
Hillsdale	44.9	Roscommon	48.5
Houghton	51.6	Saginaw	47.0
Huron	52.9	Sanilac	51.7
Ingham	44.3	Schoolcraft	49.5
Ionia	52.9	Shiawassee	50.8
Iosco	41.7	St. Clair	50.4
Iron	46.3	St. Joseph	47.3
Isabella	47.0	Tuscola	50.9
Jackson	45.3	Van Buren	50.1
Kalamazoo	44.0	Washtenaw	46.7
Kalkaska	57.4	Wayne	43.1
Kent	48.7	Wexford	46.1
Keweenaw	61.7	<b>State of Michigan</b>	46.2

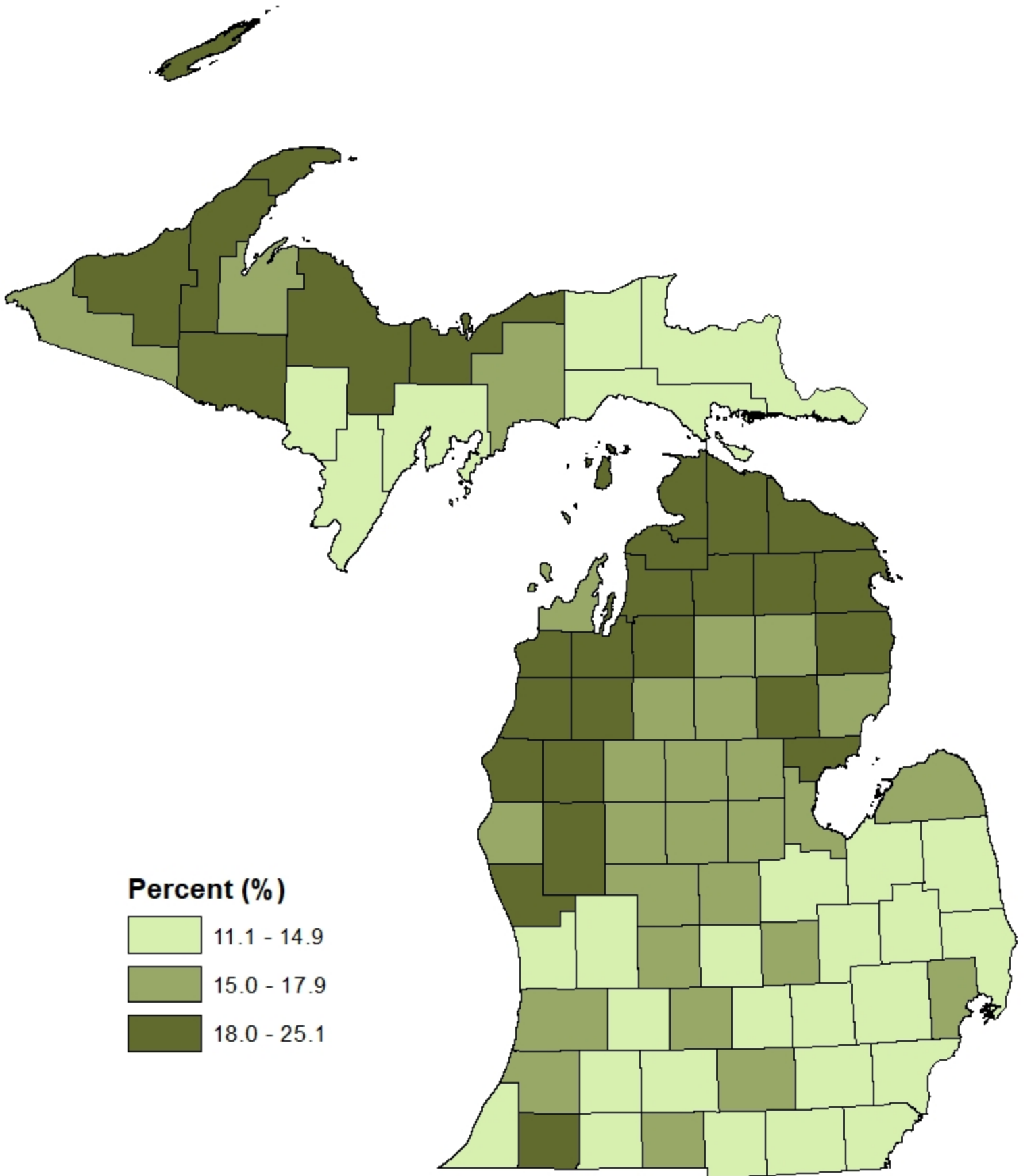
# 1+ Dental Service, 19-64 Years



# 1+ Dental Service, 19-64 Years

County	Percent (%)	County	Percent (%)
Alcona	27.8	Lake	29.1
Alger	27.5	Lapeer	21.4
Allegan	24.0	Leelanau	27.2
Alpena	32.8	Lenawee	20.0
Antrim	33.4	Livingston	21.6
Arenac	29.6	Luce	24.1
Baraga	27.2	Mackinac	21.3
Barry	19.2	Macomb	27.7
Bay	23.2	Manistee	31.5
Benzie	30.2	Marquette	27.6
Berrien	21.5	Mason	27.0
Branch	23.5	Mecosta	26.6
Calhoun	23.8	Menominee	20.8
Cass	26.0	Midland	23.5
Charlevoix	35.5	Missaukee	26.9
Cheboygan	33.4	Monroe	23.6
Chippewa	22.0	Montcalm	26.7
Clare	27.6	Montmorency	36.1
Clinton	22.7	Muskegon	27.2
Crawford	24.7	Newaygo	27.2
Delta	23.1	Oakland	23.5
Dickinson	16.5	Oceana	27.7
Eaton	22.8	Ogemaw	33.7
Emmet	31.6	Ontonagon	29.4
Genesee	24.7	Osceola	26.7
Gladwin	25.2	Oscoda	27.7
Gogebic	27.3	Otsego	33.5
Grand Traverse	28.4	Ottawa	21.5
Gratiot	23.0	Presque Isle	30.6
Hillsdale	24.3	Roscommon	27.2
Houghton	27.6	Saginaw	22.6
Huron	24.8	Sanilac	24.3
Ingham	23.6	Schoolcraft	24.1
Ionia	23.7	Shiawassee	22.3
Iosco	24.2	St. Clair	24.1
Iron	27.1	St. Joseph	24.3
Isabella	24.6	Tuscola	19.6
Jackson	24.5	Van Buren	22.8
Kalamazoo	21.0	Washtenaw	23.5
Kalkaska	28.3	Wayne	22.9
Kent	21.9	Wexford	27.3
Keweenaw	26.7	<b>State of Michigan</b>	24.0

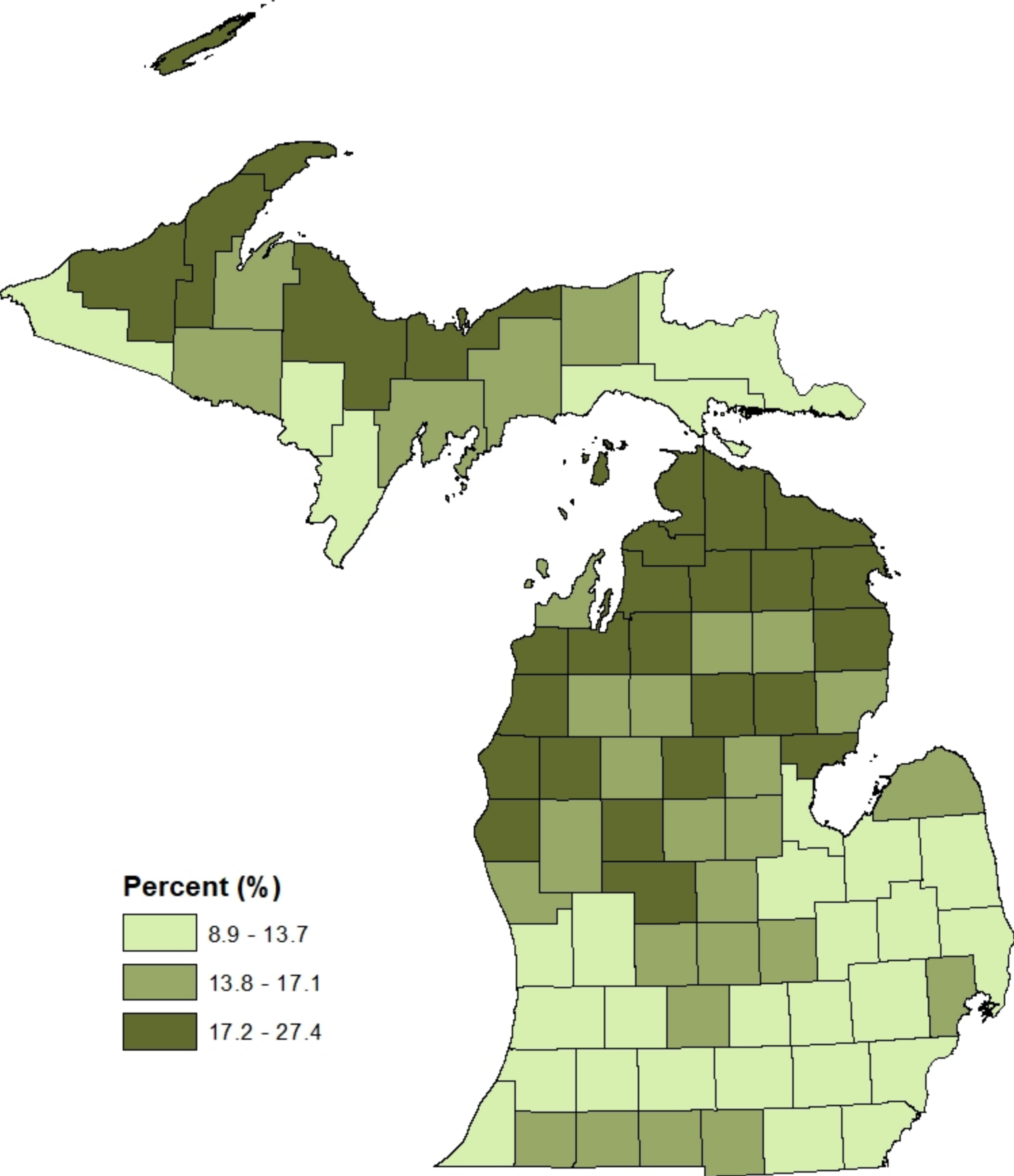
# 2+ Dental Service, 19-64 Years



# 2+ Dental Service, 19-64 Years

County	Percent (%)	County	Percent (%)
Alcona	18.7	Lake	18.9
Alger	18.7	Lapeer	13.1
Allegan	15.6	Leelanau	15.9
Alpena	21.5	Lenawee	12.6
Antrim	23.0	Livingston	13.7
Arenac	21.1	Luce	14.9
Baraga	15.0	Mackinac	14.4
Barry	12.3	Macomb	16.2
Bay	14.9	Manistee	21.3
Benzie	18.6	Marquette	18.3
Berrien	13.1	Mason	18.3
Branch	15.4	Mecosta	17.8
Calhoun	14.3	Menominee	12.9
Cass	17.9	Midland	15.6
Charlevoix	25.1	Missaukee	17.2
Cheboygan	22.9	Monroe	14.7
Chippewa	12.8	Montcalm	17.8
Clare	17.7	Montmorency	23.4
Clinton	14.7	Muskegon	18.1
Crawford	15.2	Newaygo	18.2
Delta	14.9	Oakland	13.9
Dickinson	11.1	Oceana	17.9
Eaton	15.0	Ogemaw	25.1
Emmet	20.2	Ontonagon	19.6
Genesee	14.1	Osceola	17.7
Gladwin	16.6	Oscoda	17.5
Gogebic	16.2	Otsego	22.5
Grand Traverse	18.9	Ottawa	13.5
Gratiot	15.0	Presque Isle	19.4
Hillsdale	14.3	Roscommon	17.4
Houghton	18.1	Saginaw	13.3
Huron	17.0	Sanilac	14.8
Ingham	13.9	Schoolcraft	14.2
Ionia	15.7	Shiawassee	14.6
Iosco	16.6	St. Clair	15.6
Iron	18.2	St. Joseph	15.9
Isabella	15.8	Tuscola	12.3
Jackson	15.1	Van Buren	15.0
Kalamazoo	12.3	Washtenaw	14.5
Kalkaska	18.3	Wayne	12.7
Kent	13.7	Wexford	18.0
Keweenaw	18.1	<b>State of Michigan</b>	14.4

# 1+ Preventive Dental Service, 19-64 Years



# 1+ Preventive Dental Service, 19-64 Years

County	Percent (%)	County	Percent (%)
Alcona	17.5	Lake	17.3
Alger	20.0	Lapeer	12.4
Allegan	13.1	Leelanau	17.2
Alpena	21.3	Lenawee	9.0
Antrim	23.6	Livingston	12.9
Arenac	18.9	Luce	13.9
Baraga	14.5	Mackinac	13.2
Barry	8.9	Macomb	16.1
Bay	11.5	Manistee	20.7
Benzie	17.4	Marquette	19.1
Berrien	10.2	Mason	18.8
Branch	14.4	Mecosta	17.9
Calhoun	10.7	Menominee	13.6
Cass	14.6	Midland	14.6
Charlevoix	27.4	Missaukee	16.4
Cheboygan	23.5	Monroe	12.1
Chippewa	12.7	Montcalm	17.3
Clare	17.5	Montmorency	19.9
Clinton	14.7	Muskegon	15.7
Crawford	16.4	Newaygo	16.6
Delta	14.6	Oakland	13.7
Dickinson	12.3	Oceana	19.2
Eaton	13.9	Ogemaw	23.5
Emmet	22.6	Ontonagon	18.5
Genesee	13.7	Osceola	16.6
Gladwin	16.6	Oscoda	16.8
Gogebic	11.4	Otsego	25.5
Grand Traverse	19.3	Ottawa	13.0
Gratiot	15.1	Presque Isle	19.0
Hillsdale	14.0	Roscommon	18.9
Houghton	17.8	Saginaw	11.6
Huron	15.0	Sanilac	13.7
Ingham	12.8	Schoolcraft	15.5
Ionia	14.0	Shiawassee	11.9
Iosco	14.3	St. Clair	14.8
Iron	14.8	St. Joseph	13.9
Isabella	16.5	Tuscola	10.5
Jackson	10.9	Van Buren	11.0
Kalamazoo	9.7	Washtenaw	12.8
Kalkaska	19.4	Wayne	11.0
Kent	11.6	Wexford	16.2
Keweenaw	18.5	<b>State of Michigan</b>	13.1