



Maternal and Child Health Annual Data Report 2025



Introduction

Welcome to the 2025 Maternal and Child Health Report

The **Maternal and Child Health (MCH)** report brings together a wide variety of data to provide a clear and comprehensive picture of the health of mothers, infants, and children. It is composed of information from a variety of state and county sources, capturing data on birth rates, preconception and environmental factors, maternal experiences during pregnancy, the postpartum and newborn period, mortality, infancy and childhood, and early childhood development. By combining these indicators, the report aims to highlight progress, identify challenges, and support evidence-based decision making to improve health outcomes for families and communities.

Report Frequency

The data in this report reflect the most recent information, which may not correspond to the current calendar year. Reporting and validation processes mean that some indicators lag real-time events, ensuring information presented is accurate and reliable for assessing maternal and child health trends.

Notes

Population groups may be defined differently across jurisdictions. For example, MDHHS categorizes based on “Arab Ancestry” while our jurisdiction defines "Arab Ancestry," as “Middle Eastern North African (MENA).” These differences should be considered when interpreting the data.

Pre-Term, Low Birthweight, and Infant Mortality Rates that do not meet standards of reliability (due to small numbers) are not shown.

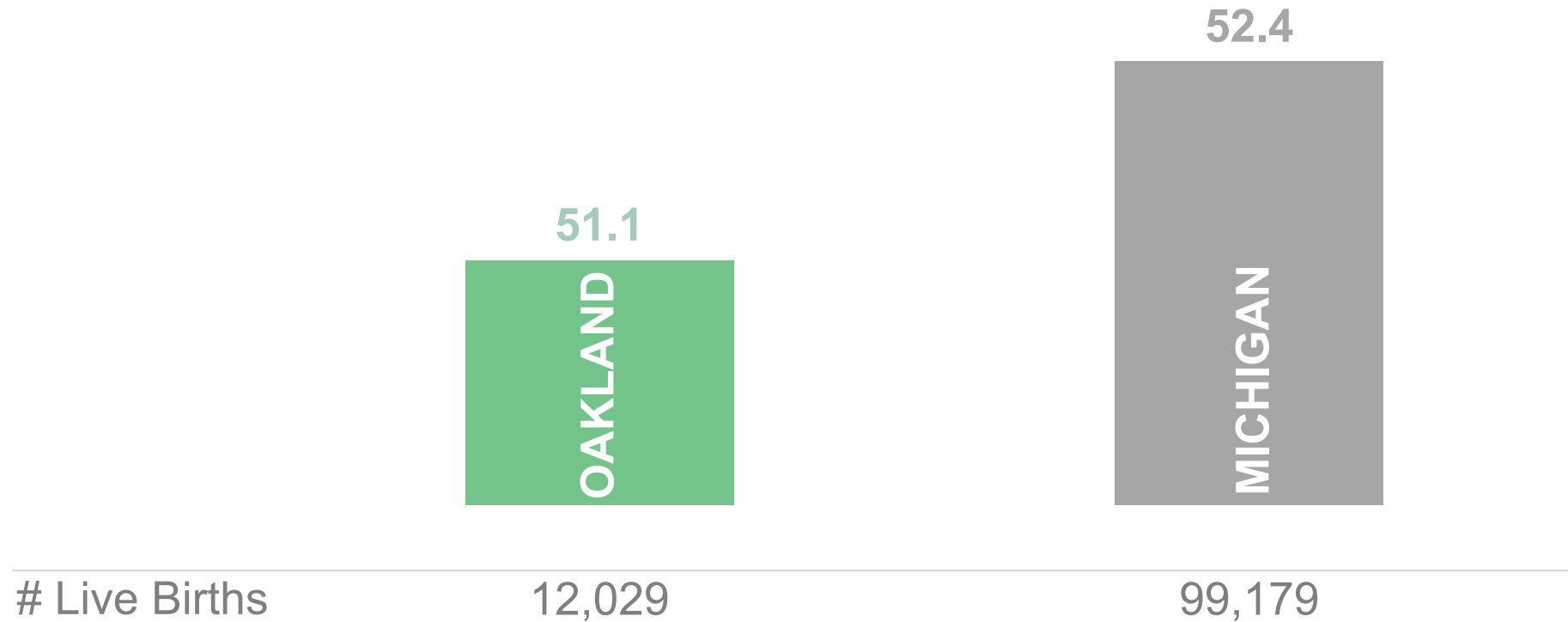
For More Information About State-Level Data

<https://www.michigan.gov/mdhhs/-/media/Project/Websites/mdhhs/MCH-Epidemiology/2025-07-MI----Birth-Outcomes-x-2023.pdf?rev=9d267636e81e432d9dc2454316b0e285&hash=83636F0FE07E6DB52B15E2E116F2E8BA>

Fertility Rates

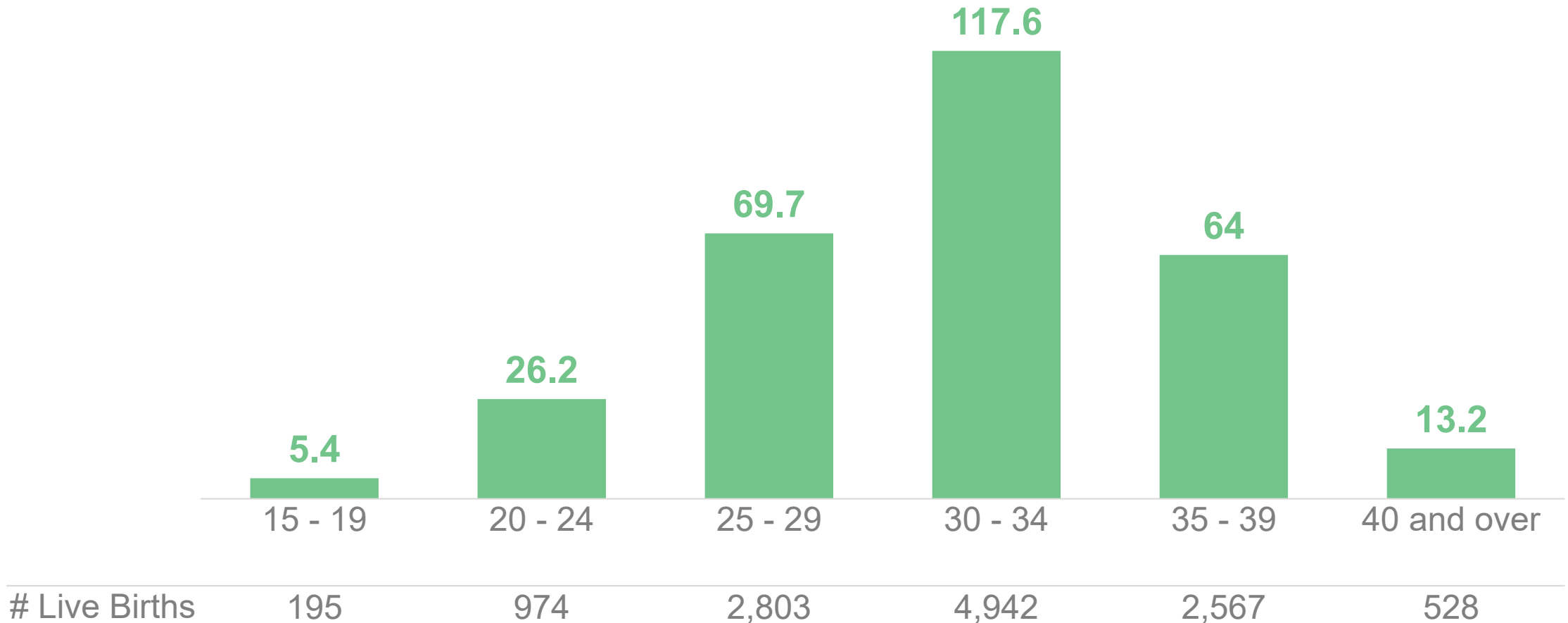
Fertility Rates of Mother Oakland County, 2023

Overall fertility rate is the number of live births per 1,000 women between the ages of 15 and 44.



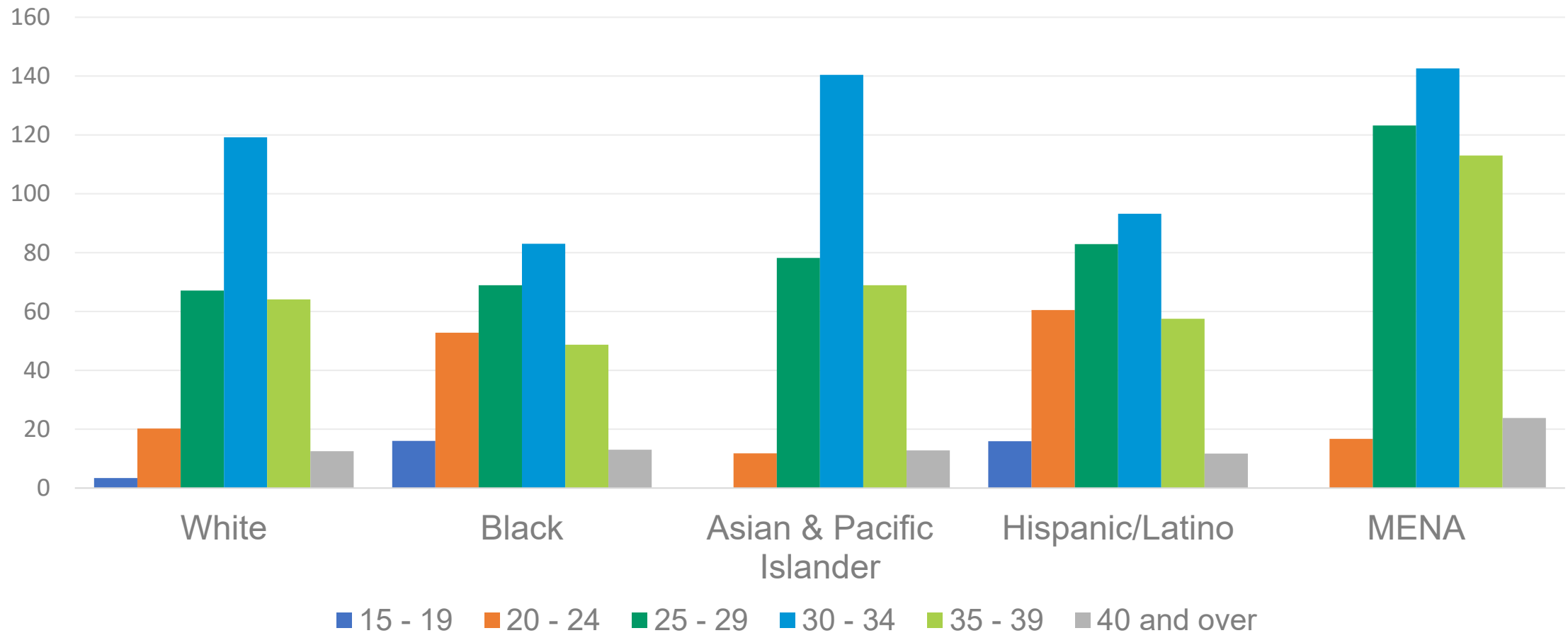
Fertility Rates by Age of Mother Oakland County, 2023

Fertility rate is the number of live births per 1,000 women in each age group.



Fertility Rates by Race and Age of Mother Oakland County, 2023

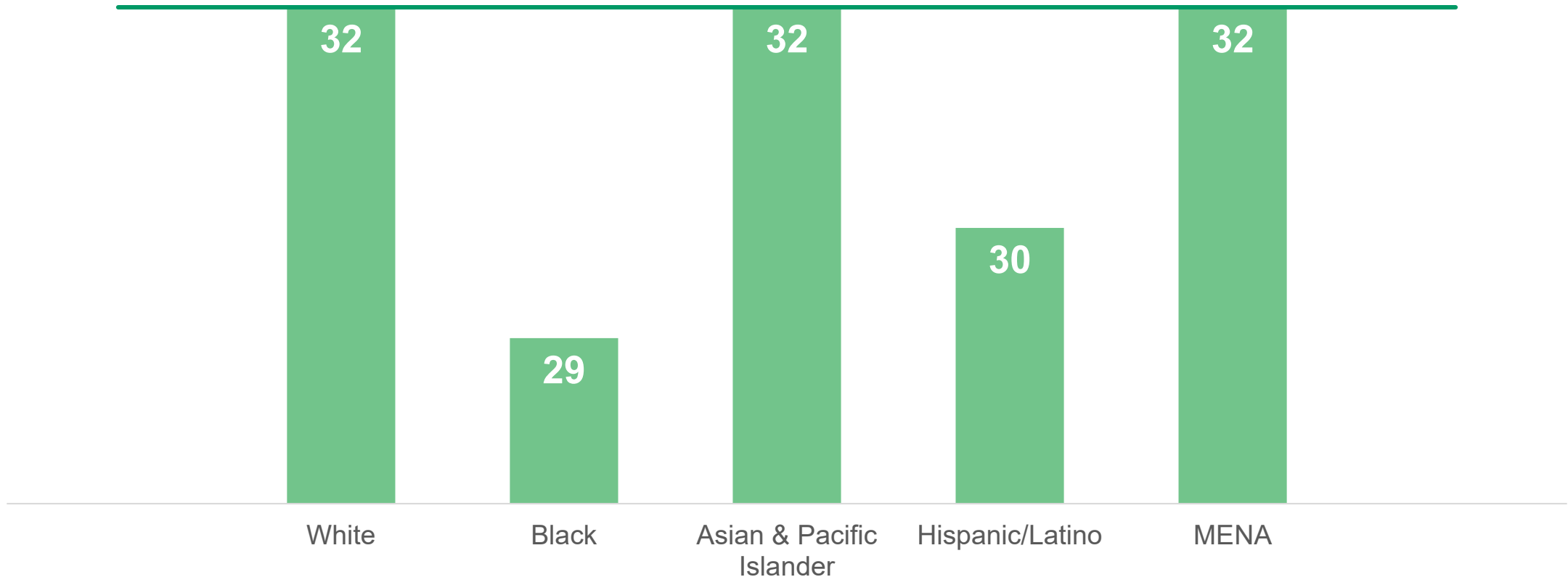
Fertility rate is the number of live births per 1,000 women in each demographic group.



Median Maternal Age by Race of Mother Oakland County, 2023

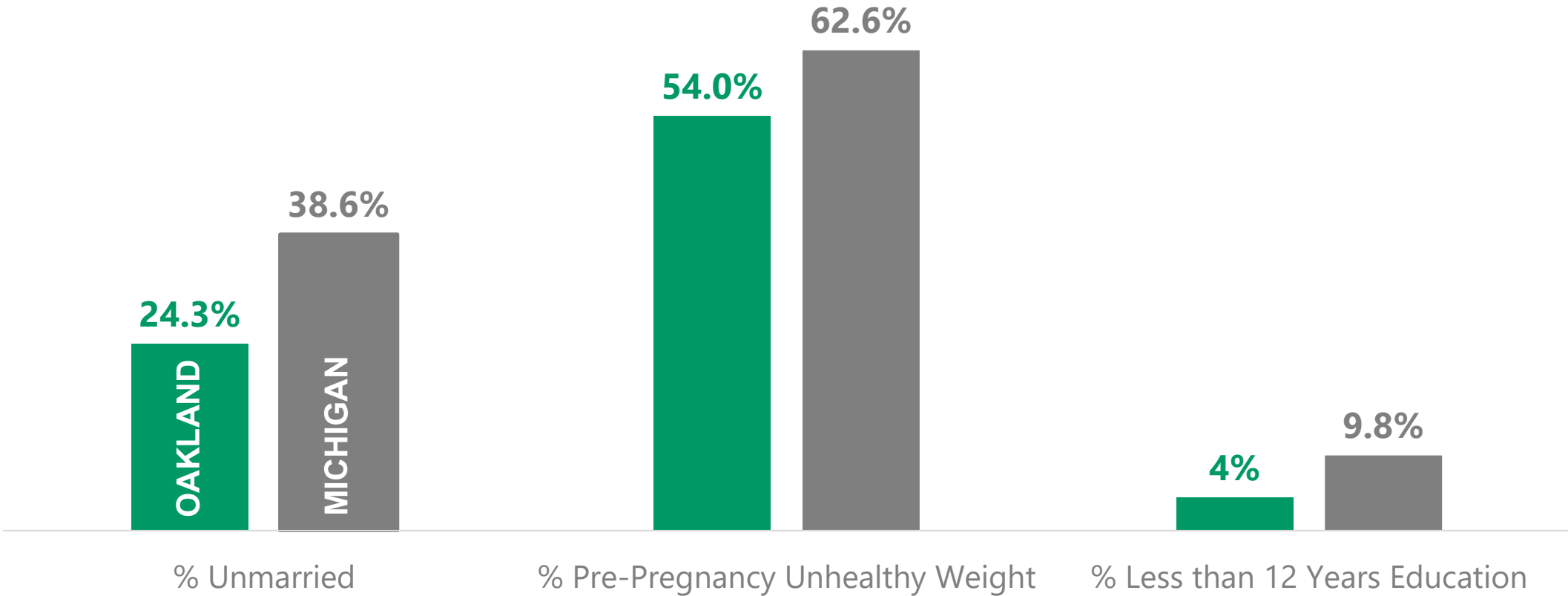
Maternal age is defined as the age of the mother at the time of childbirth.

Overall Median Age



Preconception and Environmental Factors

Characteristics of Mother Prior to Conception Oakland County, 2023



Source: 2023 Geocoded Michigan Birth Certificate Registry. Division for Vital Records & Health Statistics, Michigan Department of Health & Human Services

Deliveries Paid Using Medicaid Oakland County, 2023

Maternal Race	# of Deliveries Paid	Percent (%) of Deliveries Paid	Oakland County	Michigan
Total	2,757	22.9%	22.9%	38.5%
White	1,524	17.9%	17.9%	31.5%
Black	1,010	55.3%	55.3%	66.2%
American Indian	16	44.4%	44.4%	54.0%
Asian Pacific Islander	111	8.0%	8.0%	26.1%
All Other Races	69	35.6%	35.6%	62.7%
Hispanic/Latino	381	49.1%	49.1%	59.3%
MENA	130	16.1%	16.1%	53.5%

Inter-Pregnancy Interval <18 Months Oakland County, 2023

Inter-pregnancy Interval (IPI) is the time in months between the date of last menstrual period of current pregnancy and the date of previous live birth among multiparous mothers.

Maternal Race	# women with IPI <18 months	Percent (%) of women with IPI <18 months	Oakland County	Michigan
Total	2,071	33.5%	33.5%	33.1%
White	1,650	36.9%	36.9%	34.7%
Black	261	26.9%	26.9%	29.5%
American Indian	6	35.3%	35.3%	34.7%
Asian Pacific Islander	122	20.4%	20.4%	25.5%
All Other Races	21	26.3%	26.3%	26.2%
Hispanic/Latino	126	29.9%	29.9%	28.1%
MENA	178	38.9%	38.9%	32.5%

During Pregnancy

Pregnancy Risk Assessment Monitoring System (PRAMS)

What is PRAMS?

PRAMS, the **Pregnancy Risk Assessment Monitoring System**, is a surveillance project of the Centers for Disease Control and Prevention (CDC) and state health departments. Survey data is collected as a statewide representative sample.

Measures Included in this Report

Data is currently unavailable at the county level, so statewide data has been provided. Data were collected in 2022 and include alcohol and substance abuse during or prior to pregnancy.

Reported Tobacco Usage Before and During Pregnancy Michigan, 2022

All data on this page is from Pregnancy Risk Assessment Monitoring System (PRAMS).

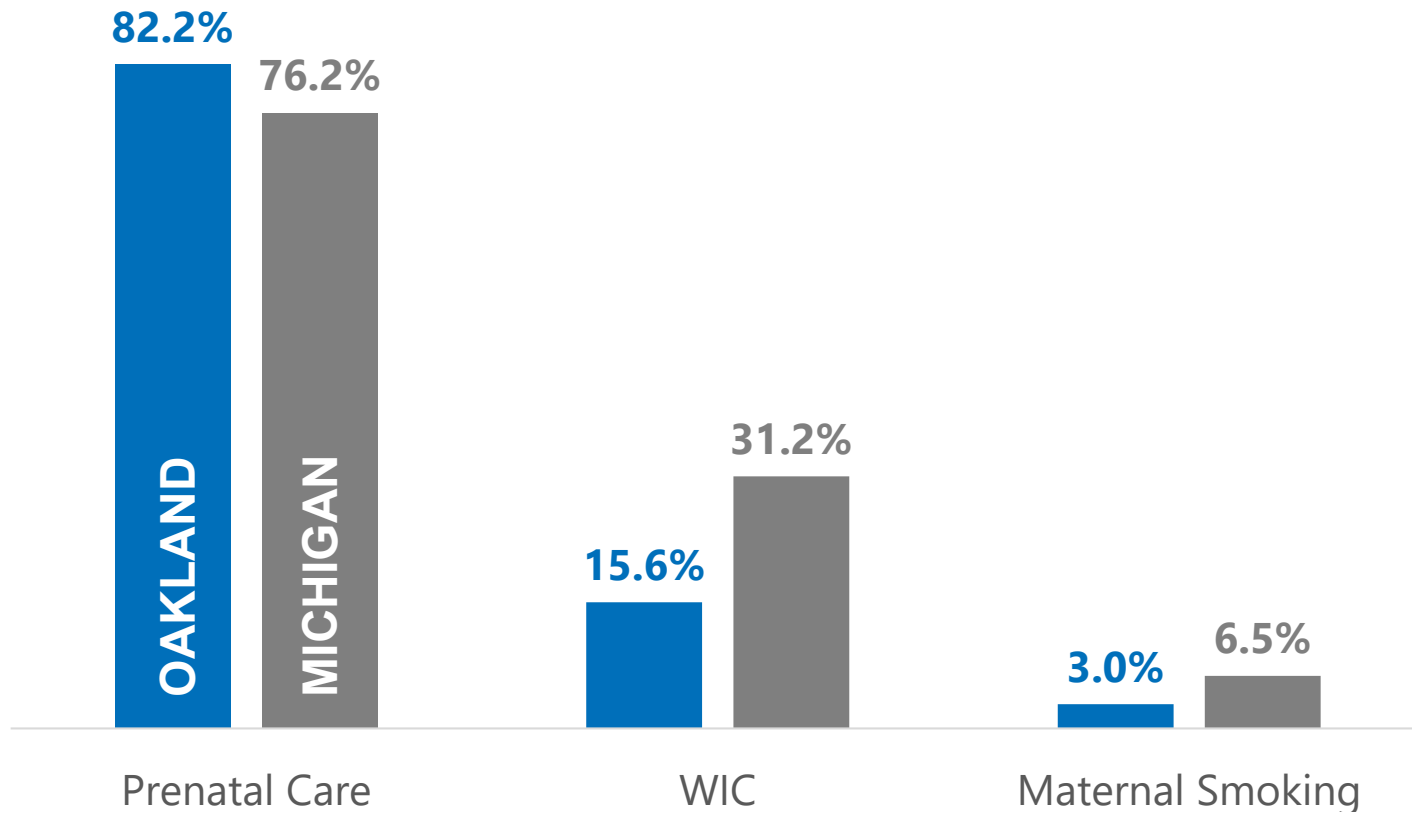
Measure	Percent (%) reporting use during pregnancy
Any cigarette smoking during the 3 months before pregnancy	12.0%
Any cigarette smoking during the last 3 months of pregnancy	5.7%
Any e-cigarette use during the 3 months before pregnancy	9.5%
Any e-cigarette use during the last 3 months of pregnancy	3.9%

Reported Alcohol and Tobacco Usage Before and After Pregnancy Michigan, 2022

All data on this page is from Pregnancy Risk Assessment Monitoring System (PRAMS).

Substance	Measure	# of people	Percent (%) Reporting Use
Cigarette	Any cigarette smoking postpartum	99	7.0%
Hookah	Hookah use in the last 2 years	77	3.9%
Alcohol	Heavy drinking (≥ 8 drinks a week) during the 3 months before pregnancy	36	2.6%

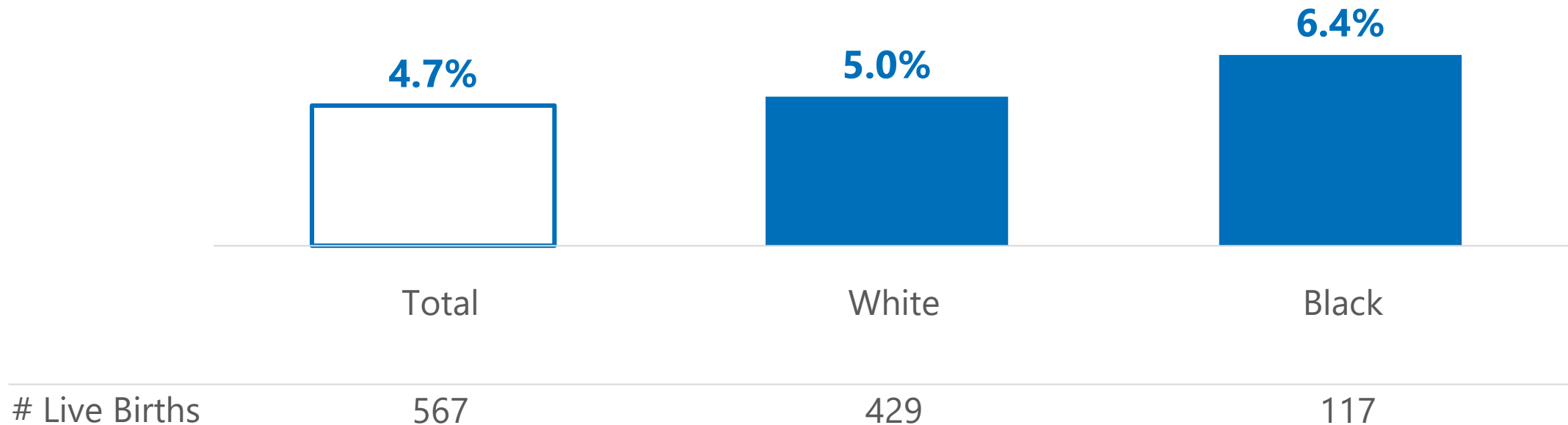
Characteristics of Mother During Pregnancy Oakland County, 2023



Indicator Definitions
% Received prenatal care during first trimester
% WIC food during pregnancy
% Smoked while pregnant

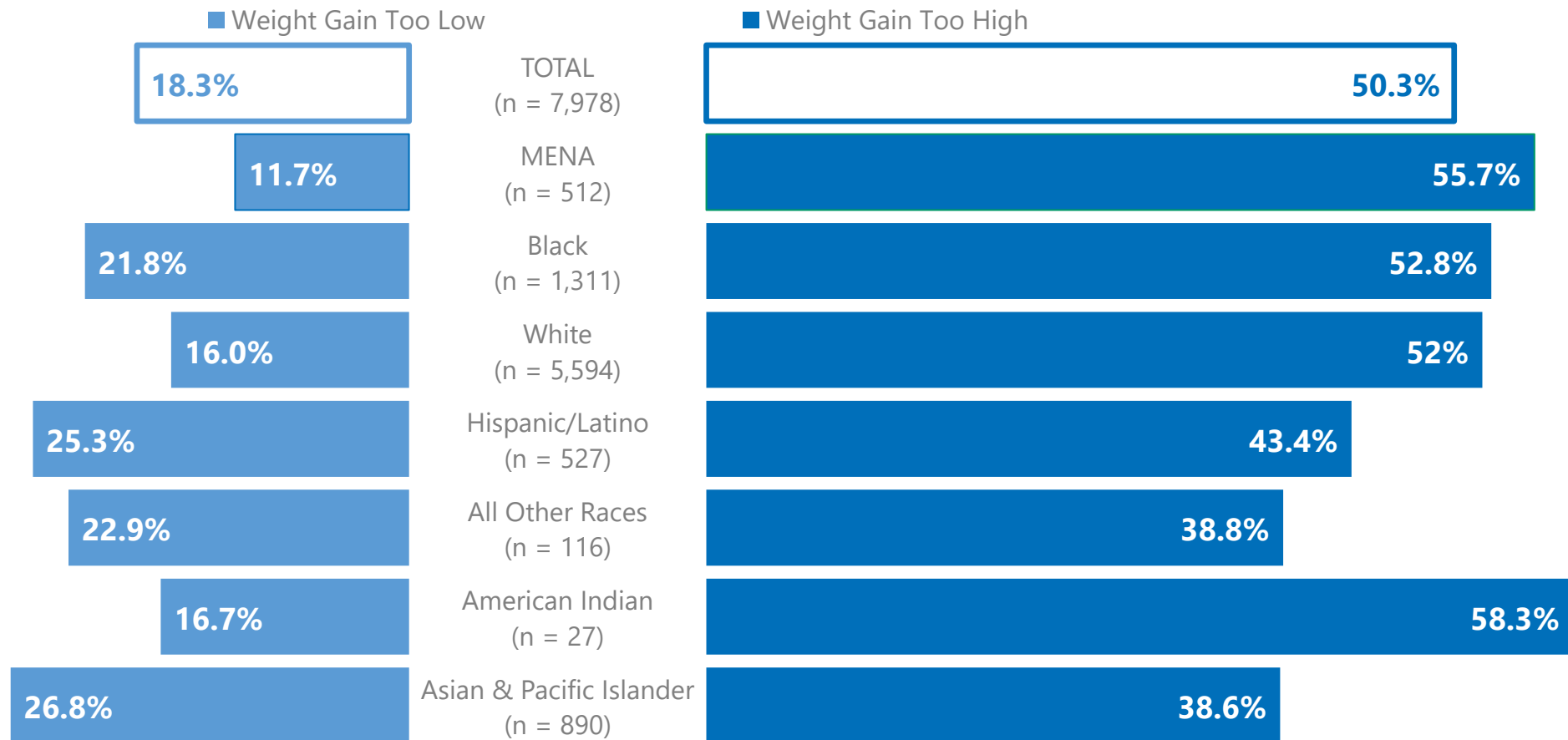
Reported Household Smoking During Pregnancy by Race Oakland County, 2023

Household smoking is defined as the mother or someone else in the household smoking during the mother's pregnancy, as reported on birth certificate records.



High or Low Weight Gain During Pregnancy Oakland County, 2023

Weight gain is considered high if it is above the Institute of Medicine (IOM) recommended range of weight gain.
Rates are expressed as per 1,000 singleton (singleton birth is a single birth delivery).



Gestational Diabetes During Pregnancy Oakland County, 2023

Gestational Diabetes is characterized by the onset of Diabetes Mellitus during the current pregnancy.

Maternal Race	# Live Births to Mothers w/ Gestational Diabetes	Percent (%) Gestational Diabetes		Oakland County	Michigan
		Bar Chart	Value		
Total	909		7.6%	7.6%	7.6%
White	541		6.4%	6.4%	7.5%
Black	128		7.0%	7.0%	5.5%
American Indian	7		19.4%	19.4%	10.1%
Asian Pacific Islander	208		14.9%	14.9%	15.6%
All Other Races	13		6.7%	6.7%	8.1%
Hispanic/Latino	41		5.3%	5.3%	8.0%
MENA	70		8.7%	8.7%	10.2%

Pregnancy-Induced Hypertension (PIH) Oakland County, 2023

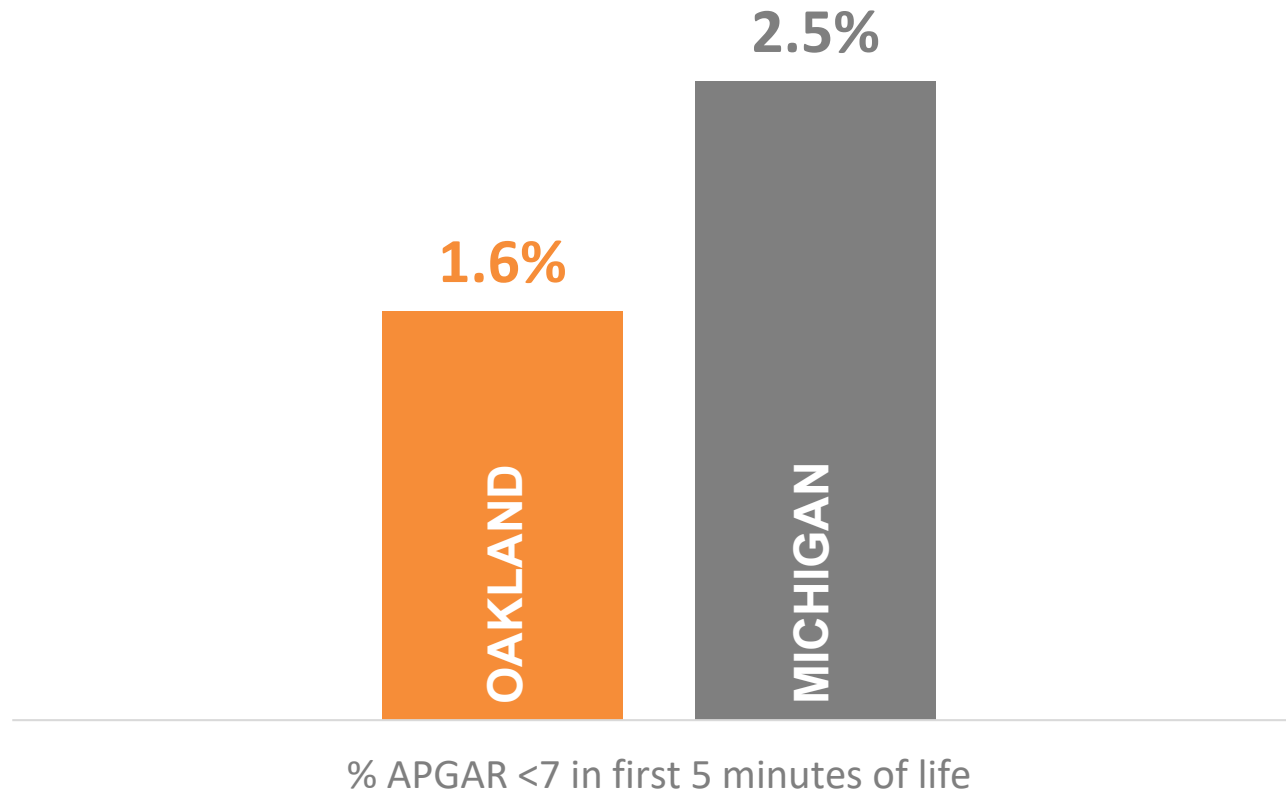
Gestational Hypertension is diagnosed when the mother experiences pregnancy-induced hypertension (PIH), pre-eclampsia, or eclampsia.

Maternal Race	# Live Births to mothers who had PIH	Percent (%) Pregnancy-Induced Hypertension	Oakland County	Michigan
Total	1,156	9.6%	9.6%	10.2%
White	875	10.3%	10.3%	10.5%
Black	193	10.6%	10.6%	10.3%
American Indian	7	19.4%	19.4%	12.5%
Asian Pacific Islander	66	4.7%	4.7%	6.9%
All Other Races	11	5.7%	5.7%	7.5%
Hispanic/Latino	45	5.8%	5.8%	9.1%
MENA	51	6.3%	6.3%	5.0%

Postpartum & Newborn Period

Infant Characteristics - APGAR

Oakland County, 2023



What is APGAR?

The APGAR (appearance, pulse, grimace, activity, respiration) score is used to evaluate the health of all newborns at 1 and 5 minutes after birth and in response to resuscitation.

APGAR scores range from 0 – 10.
7 -10 indicates normal; **4 – 6** indicates moderately abnormal

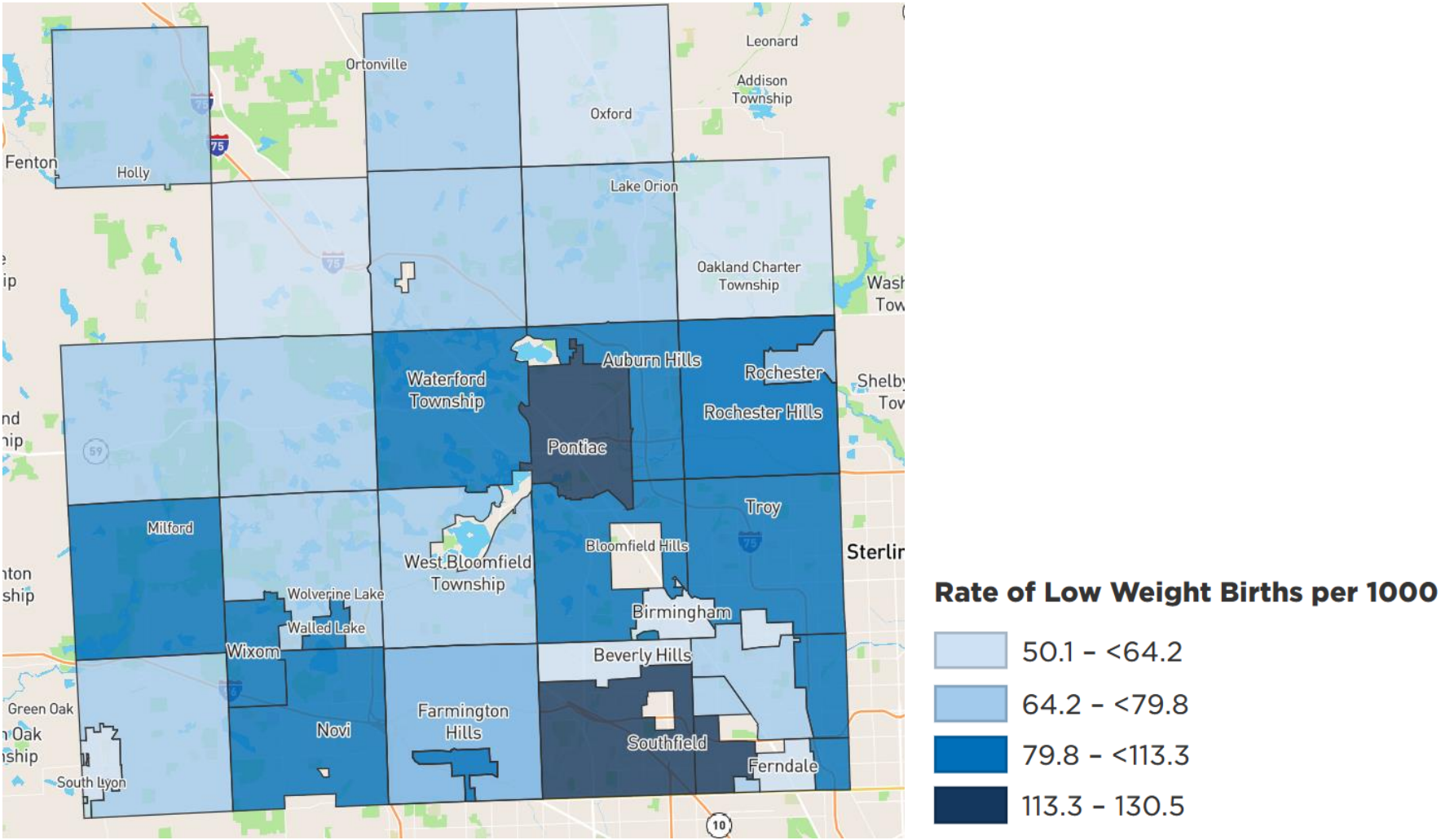
Cesarean Low-Risk Deliveries Oakland County, 2023

Low-risk births are defined as live births that are singleton, full-term (37 weeks gestation or older), with vertex present.

Maternal Race	# Low risk CS deliveries	Low risk CS deliveries %	Oakland County	Michigan
Total	3,061	29.6%	29.6%	29.0%
White	2,075	28.2%	28.2%	28.1%
Black	484	31.8%	31.8%	31.3%
American Indian	14	41.2%	41.2%	32.2%
Asian & Pacific Islander	416	34.2%	34.2%	34.0%
All Other Races	46	27.4%	27.4%	28.0%
Hispanic/Latino	185	26.9%	26.9%	28.7%
MENA	192	27.3%	27.3%	29.3%

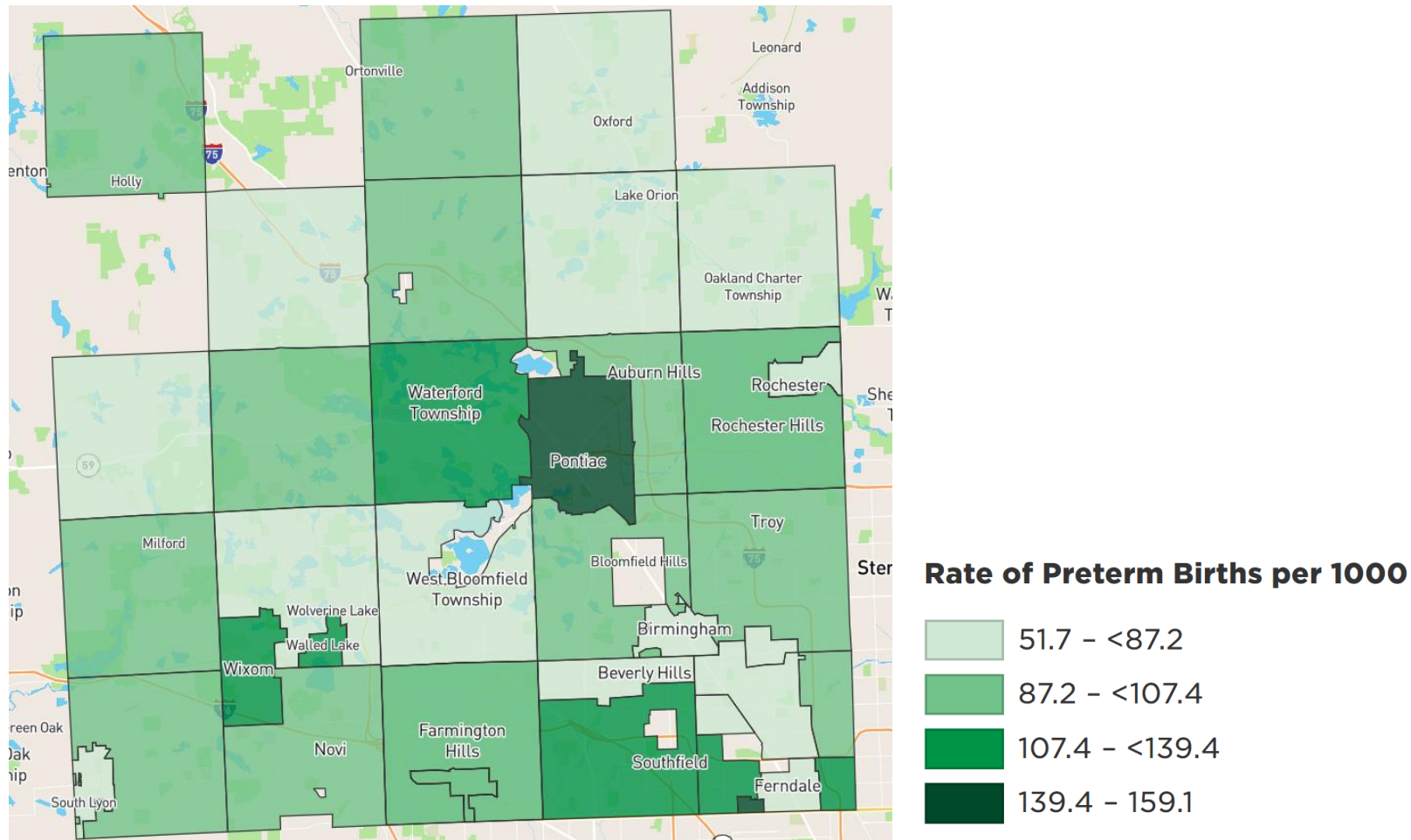
Low Birth Weight by City/Village/Township Oakland County, 2019-2023

Low birth weight is defined as babies weighing less than 2,500 grams expressed as per 1,000 live births.



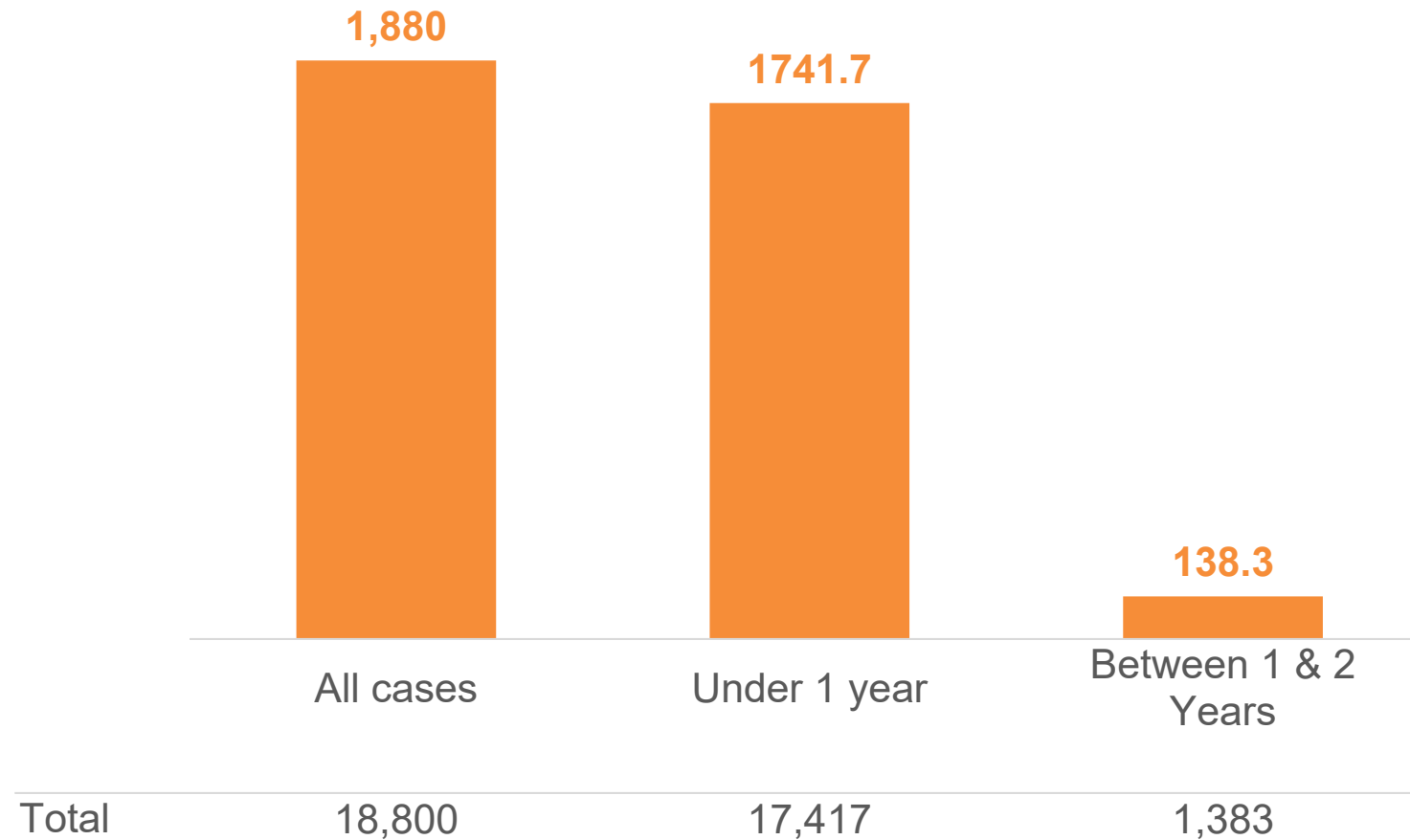
Pre-Term Birth by Census Tract Oakland County, 2022

Preterm birth is defined as babies born prior to 37 completed weeks of gestation, expressed as per 1000 live births.



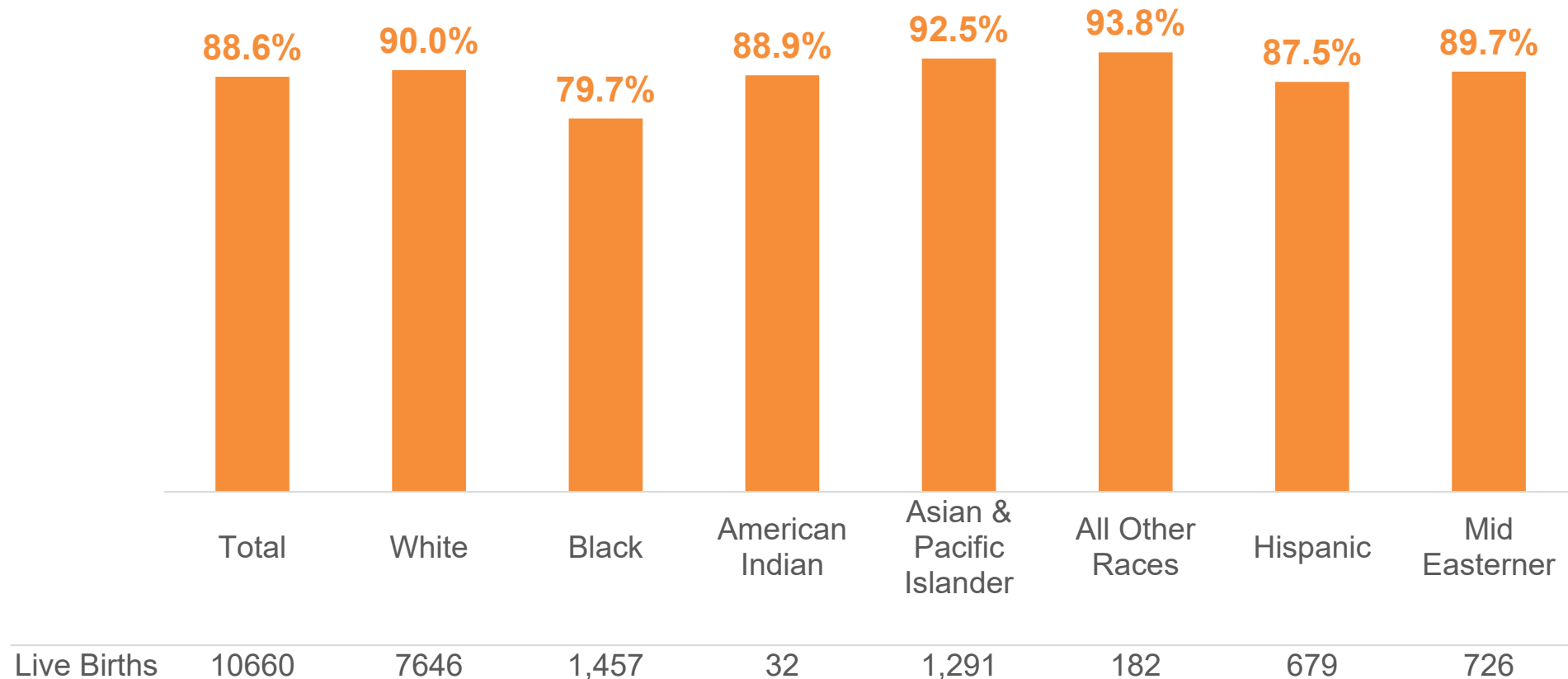
Average Number of Birth Defects Oakland County, 2010 - 2019

Birth defects are reportable if identified within the first two years of a child's life. The frequencies at one year and at two years serve to indicate the time from the birth of the child to the diagnosis of the condition.



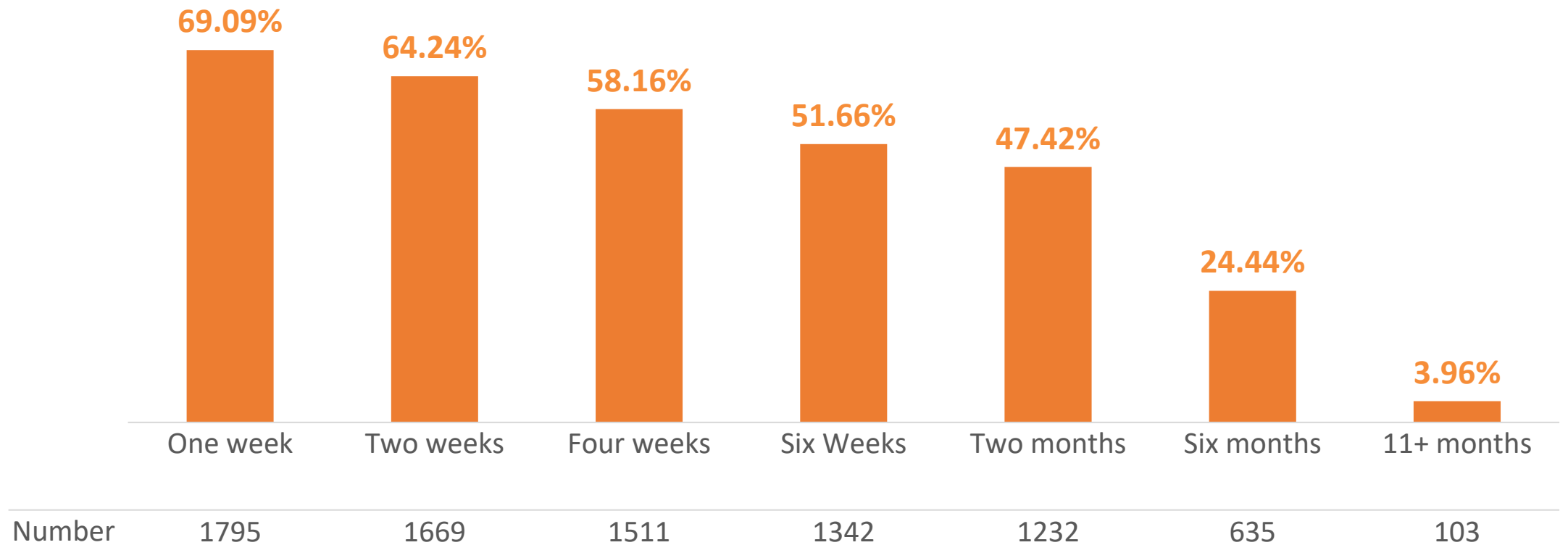
Breastfeeding Initiation by Race Oakland County, 2023

Breastfeeding Initiated is shown here as the percent of the sum of two questions from the Michigan birth certificate:
The mother breastfed at discharge, or breastfeeding was planned after discharge.



Breastfeeding among WIC clients Oakland County, 2024

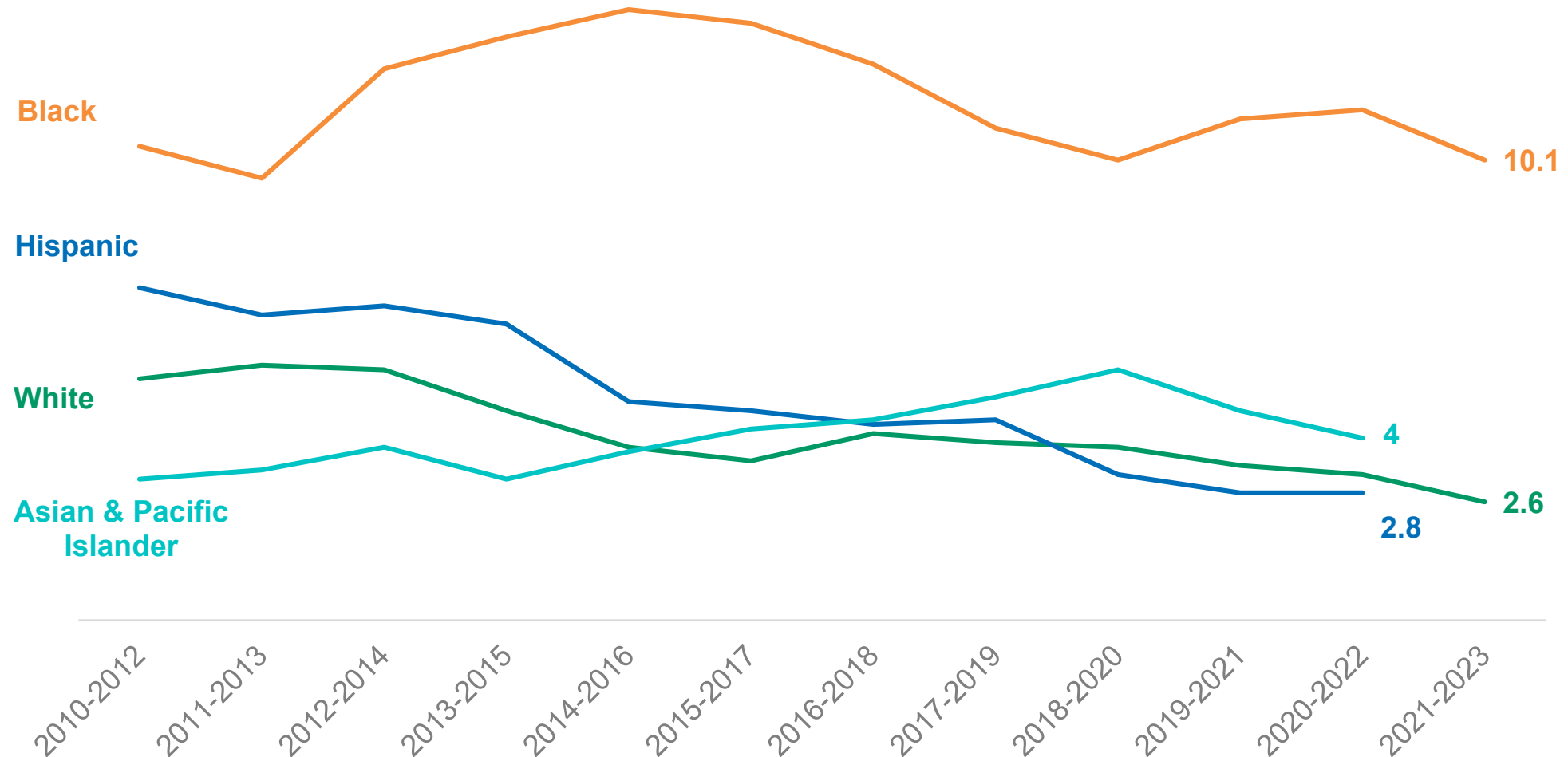
Breastfeeding for WIC is shown here as the percent of infants enrolled in WIC who initiated breastfeeding and are still breastfed at the end of the time period indicated.



Mortality

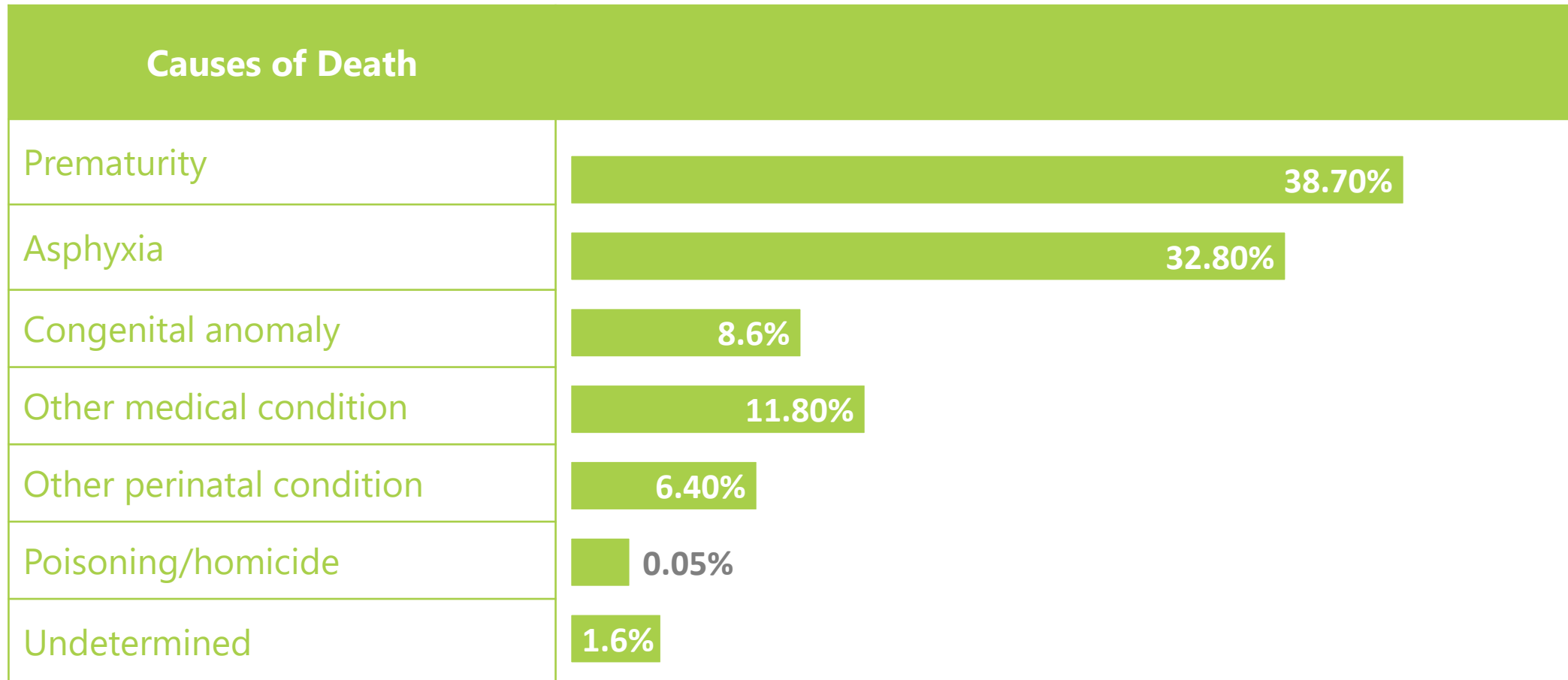
Infant Mortality Rate by Race and Ethnicity Oakland County, 2023

Infant mortality rate is defined as the number of deaths of infants under one year of age per 1,000 live births in a given population. Race is determined based on the mother's recorded race on the birth certificate, and data are averaged over 3 years to ensure stability due to small numbers.

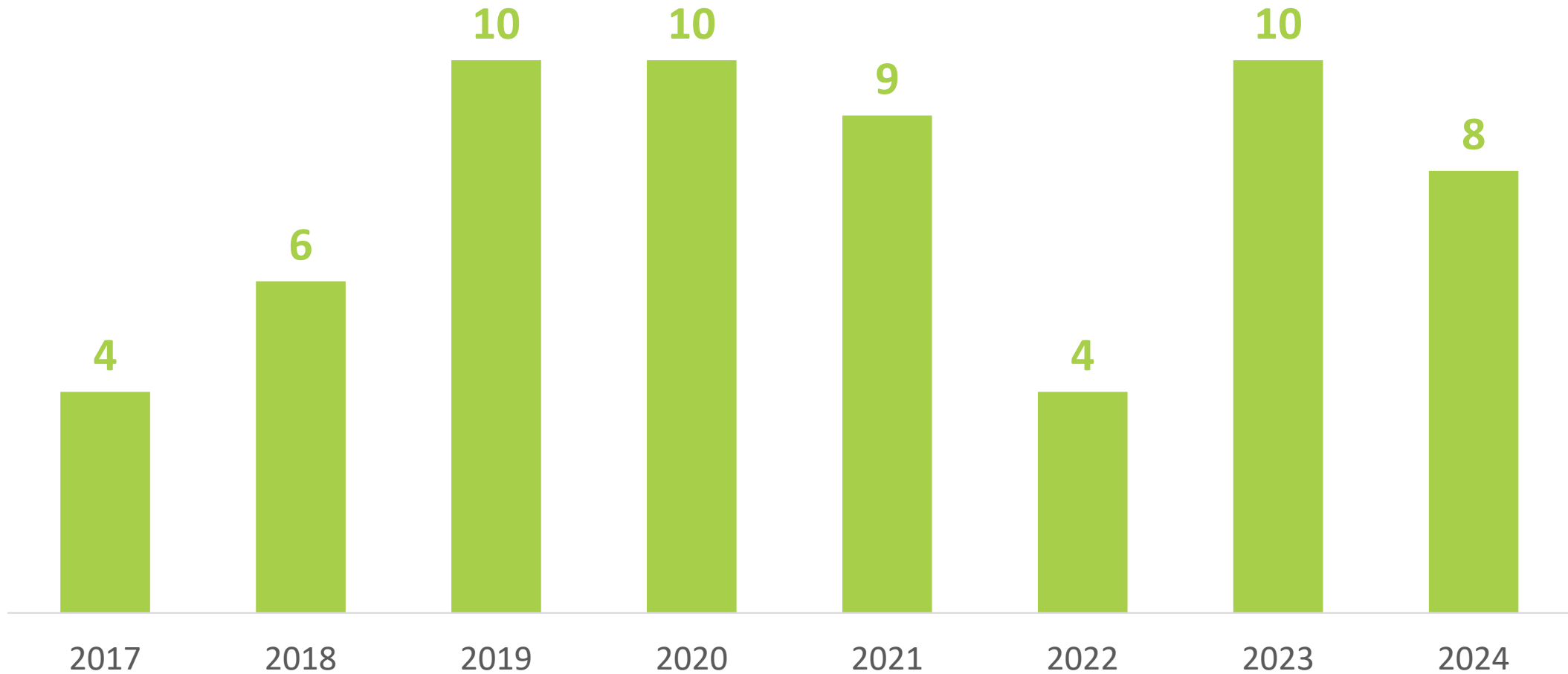


Leading Causes of Infant Death Oakland County, 2017 - 2024

Leading causes of death are based on all infant deaths that occurred in the county.



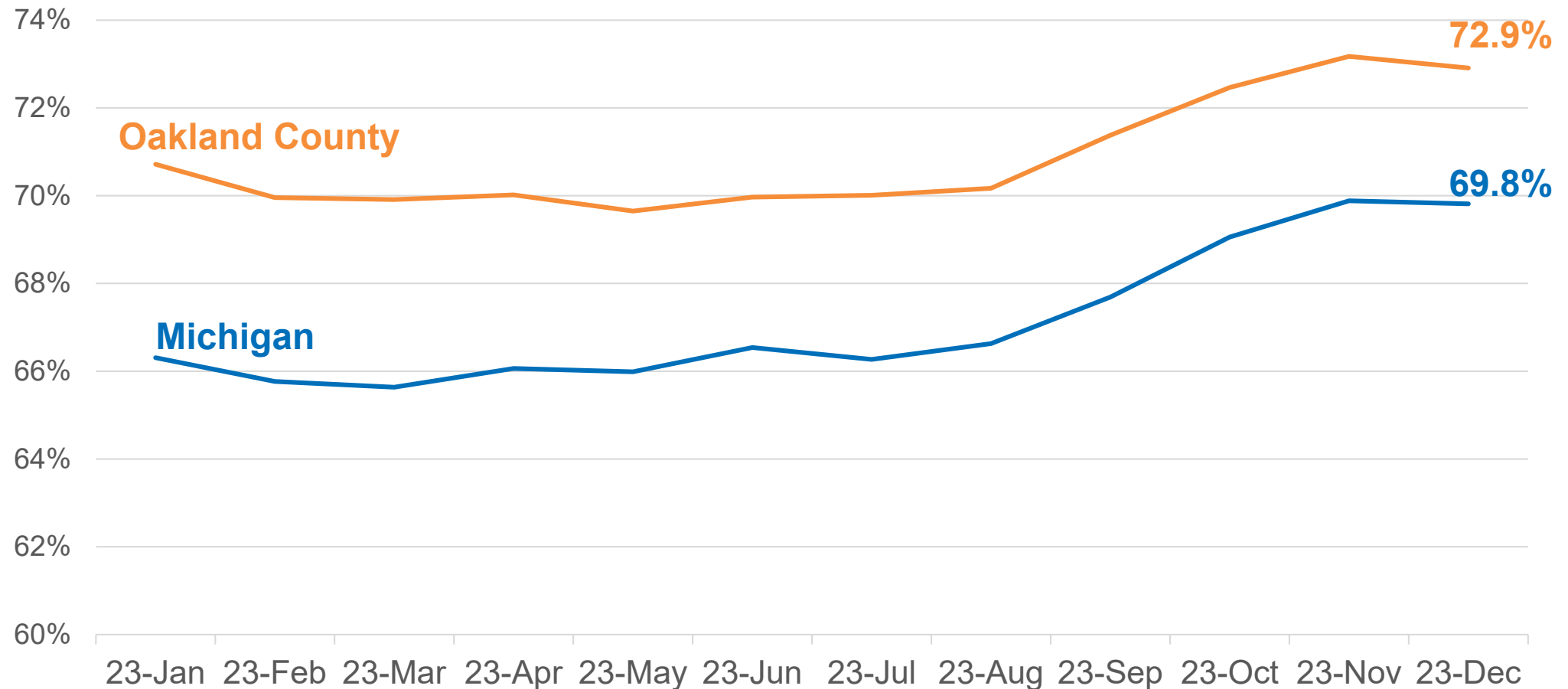
Number of Sleep-Related Deaths Oakland County, 2017 - 2024



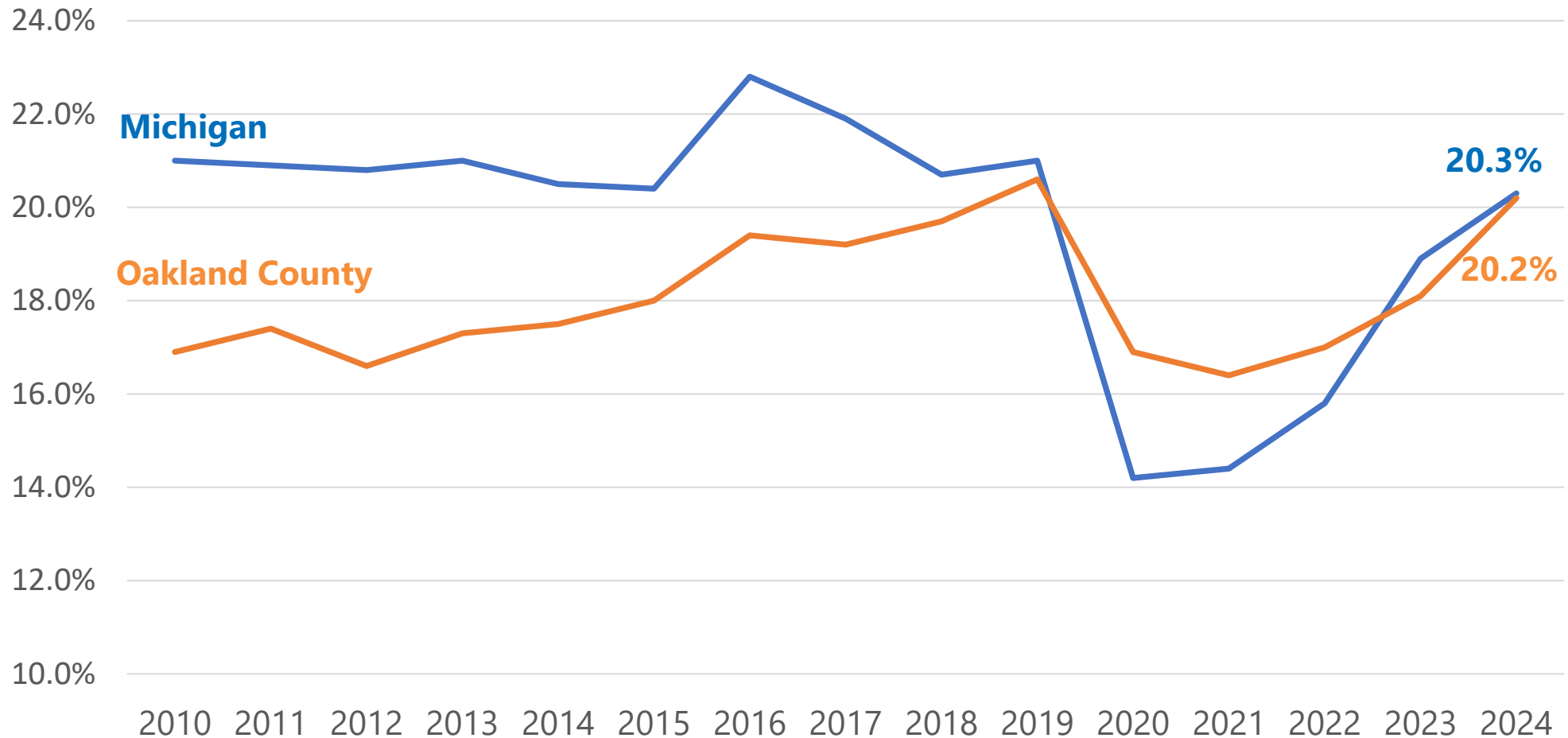
Infancy & Childhood

Percent of Children 19-36 Months Up-to-Date On Primary Childhood Vaccine Series, Oakland County, 2022 - 2023

Recommended doses for the primary childhood vaccine series include (4)DTaP, (3)Polio, (1)MMR, (3)Hib, (3)HepB, (1)Varicella, (4)PCV.

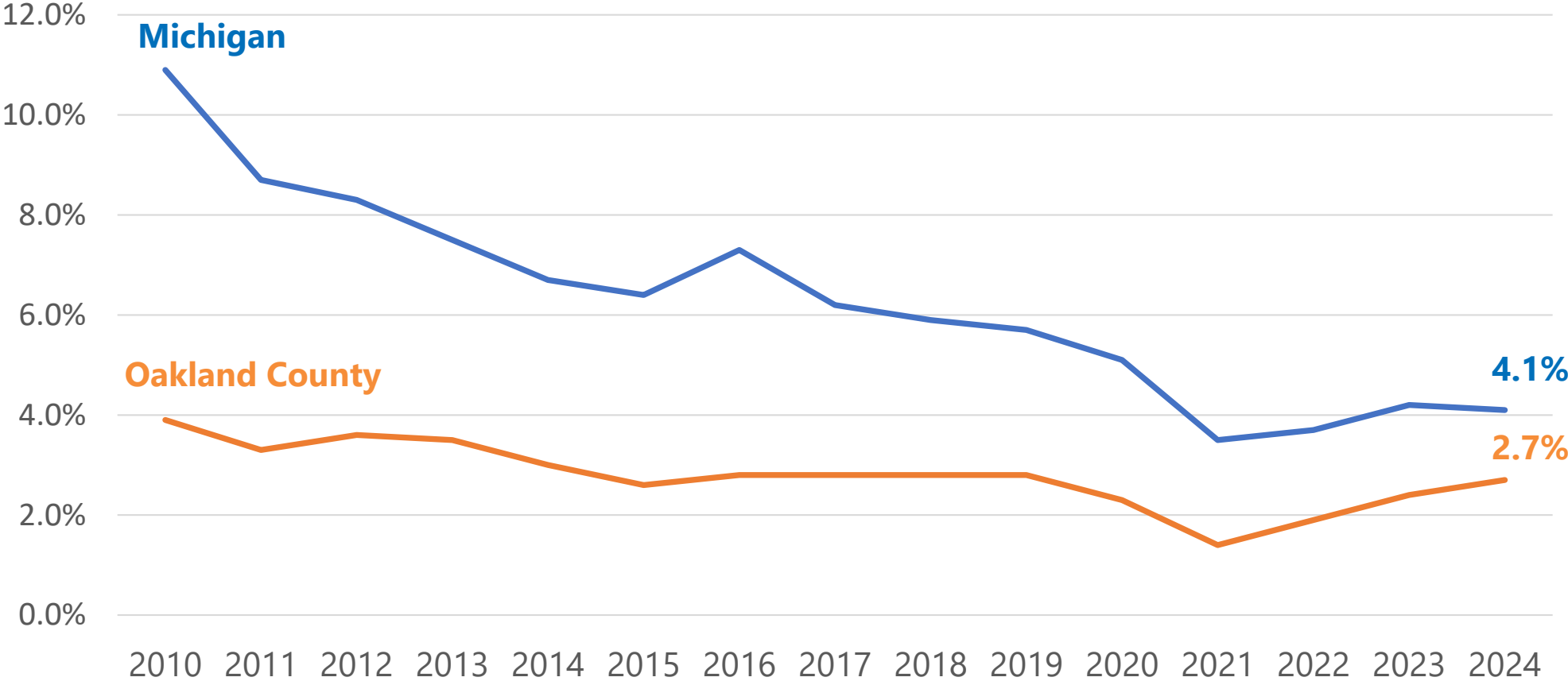


Children under 6 tested for lead Oakland County, 2010 - 2024



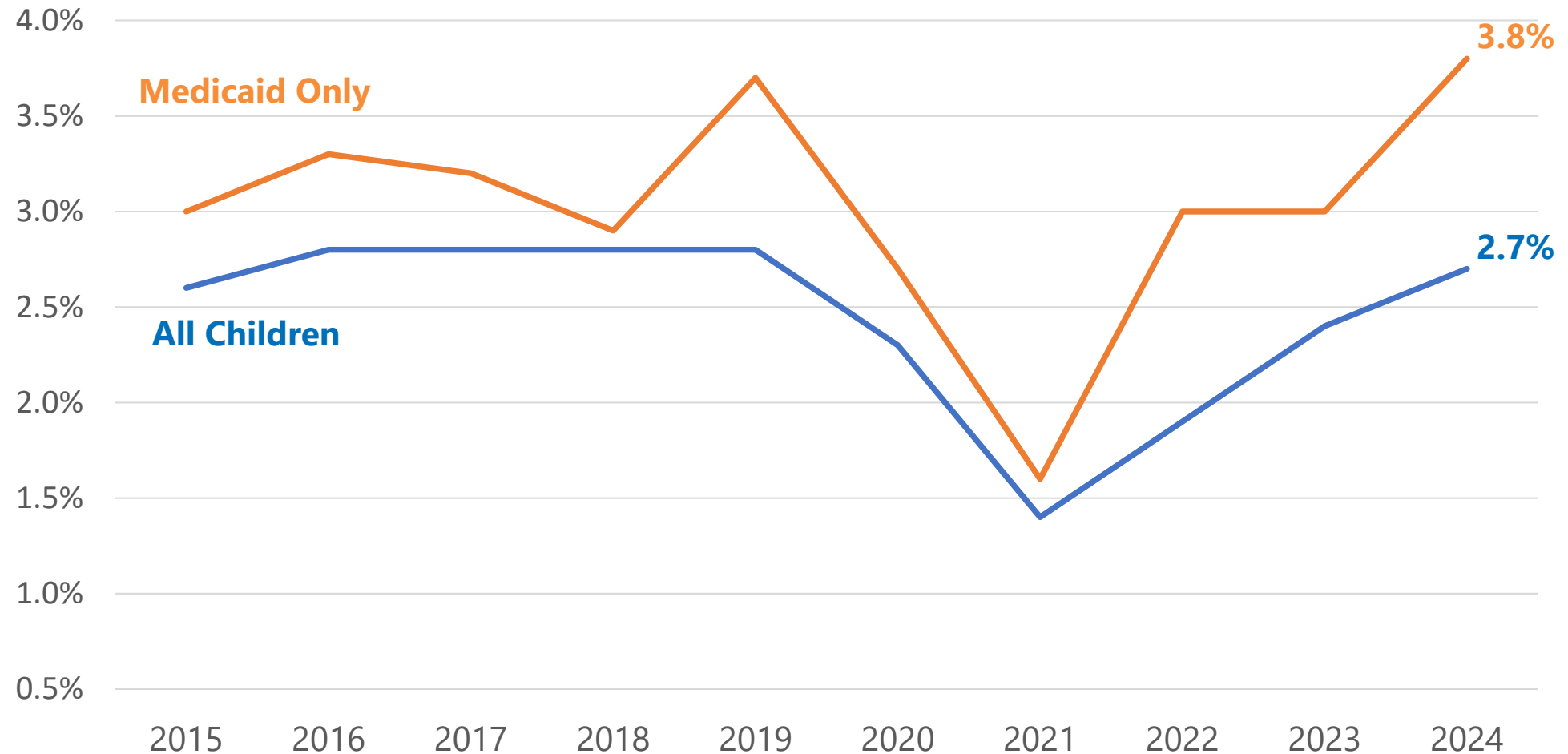
Children under 6 tested with EBLL Oakland County, 2010 - 2024

In 2021, the CDC updated the blood lead reference value (BLRV) to 3.5µg/dL. This chart uses the updated BLRV to identify elevated blood lead level (EBLL) cases across all years shown. Data reflects EBLL as identified by confirmatory (venous) test where available. If venous test data is not available, screening (capillary) test data is used.



Children <6 with EBLL by Medicaid Status Oakland County, 2015 - 2024

In 2021, the CDC updated the blood lead reference value (BLRV) to 3.5µg/dL. This chart uses the updated BLRV to identify elevated blood lead level (EBLL) cases across all years shown. Data reflects EBLL as identified by confirmatory (venous) test where available. If venous test data is not available, screening (capillary) test data is used.



Data Notes

This report includes data from:

- Division for Vital Records & Health Statistics, MDHHS
 - Michigan resident live birth files and infant mortality files
 - Michigan Birth Certificate Registry
 - Michigan Birth Defects Registry
 - Michigan Resident Birth File
- Pregnancy Risk Assessment Monitoring System
- MDHHS Breastfeeding Rate and Duration Report
- Fetal Infant Mortality Report, 6-Year Report
- Michigan Care Improvement Registry
- MiTracking Data Portal
- MDHHS CLPPP Data Warehouse
- Oakland County Health Division Early On program data

Population Data Notes:

- The Arab population estimates includes estimates of Arab, Chaldean, Assyrian and Syriac ancestry. The Arab population is based on interpolation between the 2000 census and adjusted American Community Survey estimates, birth estimates or other sources. Estimates for smaller regions or age groups are subject to the same error as the ACS, and these errors may propagate into the interpolation. Care should be taken when using estimates for smaller regions or age groups.
- **If you have questions about the data, please follow up with:**
 - **Kaylia Johnson, MPH; Senior Public Health Data Strategy Fellow; Oakland County Health Division**
 - **Contact information: Johnsonkm@oakgov.com**