Maternal and Infant Health Data Snapshot

Introduction and Purpose

The Maternal Health Network (MHN) uses relevant data to understand the experience of families accessing maternal health services before, during, and after pregnancy. In support of these efforts, the MHN has utilized the California Department of Public Health Maternal, Child, and Adolescent Health (MCAH) Division Data Dashboards to create this custom Data Snapshot.

The MCAH Data Dashboards are designed to serve the needs of partners by providing state-, county- and/or regional-level indicator data by various stratifications or subgroups and by year. The dashboards are organized by five health domains:

Perinatal/Maternal   **Perinatal/Infant**   **Child**

Children and Youth with Special Health Care Needs   **Adolescent**

This document provides a snapshot of data published on the MCAH Dashboards as of summer 2023, that may be of interest to MHN members. The purpose of this Data Snapshot is to provide examples of the types of data that are available on the MCAH Dashboards as well as recommendations on how our membership can use such data. MHN members are encouraged to visit the MCAH Data Dashboard website to explore the data and to view a short video that provides an orientation to the MCAH Data Dashboards.

Considerations and Limitations

The following should be considered when utilizing the data included in the 2023 Data Snapshot:

- The MCAH Data Dashboards are constantly being updated as newer data sets and additional data indicators are made available. The Dashboards also include substantial data not included in this snapshot. For example, this snapshot disaggregates data only by race/ethnicity and teen age, but there are additional characteristics available on the data dashboards. Additional characteristics vary by indicator, and may include delivery payment source, delivery method, infant birthweight, gestational age, maternal age, prenatal care utilization, and social determinants of health categories such as maternal education level and neighborhood poverty.

- Data included in the Snapshot utilizes the most current data available as of June 2023, which for the majority of indicators included the period ending in either 2020 or 2021. Data may be updated by MCAH at any point.

- When available, national standard data from the Healthy People 2030 Target are included as a point of comparison for local data.

- Data was preferentially pulled from the County Dashboard section for each indicator.

- Indicator data is presented by race/ethnicity and for adolescent birthing individuals, as these are populations for which the MHN is seeking to address data deficiencies. Data is available for additional characteristics on the MCAH Data Dashboard website.

- The trend lines included on the following pages are based on the most recent five-year period. Trends were established by reviewing the confidence limits at the beginning and end of the five-year period utilized (e.g., 2014-2016 and 2019-2021). If confidence limits for the two time periods overlapped, the trend was determined to be flat. If confidence limits did not overlap, the difference was determined to be significant and the trend was established based on whether the data from the most recent time period was higher or lower than the initial time period considered.

- Data marked with an asterisk (*) on the following pages should be interpreted with caution due to low statistical reliability.

With these considerations and limitations in mind, MHN members should pull data from the MCAH Data Dashboard website directly for funding proposals, program development, research and other publications, etc., to ensure they are utilizing the most accurate and up-to-date information available.

Maternal and Infant Health Data Snapshot

Recommendations for Using the MCAH Dashboard Data

The following are recommendations on how MHN members can utilize and take action on the data included in the MCAH Data Dashboards.

Identify relevant health outcome disparities, to assist with applying an equity framework when:

- Creating new programs or restructuring existing programs.
- Educating new practitioners and offering training opportunities for current providers.
- Developing and implementing culturally informed policies, procedures, and services.
- Advocating for local and legislative policies.

Incorporate data into funding proposals to:

- Strengthen your case for support.
- Illustrate the challenges faced by participants in the maternal health system.
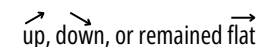
Birth and Delivery Trends

Data for Specific Sub-populations in San Bernardino County

Indicator	California	San Bernardino County (SBC)	American Indian /Alaska Native	Asian	Pacific Islander	Hispanic	Multi-Race	Black	White	Teens (under 20)
Live Births	1,287,679 live births | 2019-2021	82,264 live births | 2019-2021 — 6.4% of CA State total	0.3% of SBC total →	7.7% of SBC total ↘	0.4% of SBC total →	57.5% of SBC total →	2.2% of SBC total →	8.1% of SBC total →	19.1% of SBC total ↘	4.2% of SBC total ↘
Cesarean Delivery — of total live births for population noted	30.7% of live births 2019-2021	31.0% of live births 2019-2021	34.7% →	32.7% ↘	41.2% →	30.0% ↘	31.2% →	36.6% →	30.8% →	16.6% ↘
Cesarean Delivery — of total low risk deliveries	24.1% of full-term, singleton, vertex, first-time births 2019-2021	22.2% of full-term, singleton, vertex, first-time births 2019-2021	27.4% →	24.8% →	30.0% →	21.6% ↘	20.3% →	25.4% ↘	21.7% ↘	12.2% ↘
Vaginal Births after Cesarean (VBAC)	12.1% of live births with previous cesarean delivery | 2019-2021	9.2% of live births with previous cesarean delivery | 2019-2021	Not Available	7.9% ↗	Not Available	9.9% ↗	10.6% →	8.5% ↗	8.2% ↗	17.3%
Adolescent Births — for birthing individuals ages 15-19	41,380 live births 2019-2021	3,393 live births 2019-2021	Not Available	0.5% of SBC teen total →	Not Available	69.8% of SBC teen total →	3.4% of SBC teen total →	10.4% of SBC teen total →	12.8% of SBC teen total →	4.1% of SBC total ↘
Adolescent Birth Rate — for birthing individuals ages 15-19	10.3 per 1,000 females 2019-2021	13.9 per 1,000 females 2019-2021	Not Available	1.4 →	Not Available	15.8 ↘	15.6 ↘	16.8 ↘	8.2 ↘	13.9 ↘

LEGEND

arrow *direction* denotes if the indicator has been trending:

↗ ↘ →
up, down, or remained flat

arrow *color* denotes if the indicator has been trending in a preferred or non-preferred direction

● = preferred (blue)
● = not preferred (orange)
● = no preference for this indicator **or** preference cannot be established (black)

(**No arrow** indicates absence of data necessary for trend line formation)

The indicators listed above include embedded hyperlinks. Clicking on the indicator will take you to the MCAH Data Dashboard for that indicator, where you can explore the data by additional characteristics for each indicator. If you are viewing this document in hard copy form, you can access the dashboards at https://www.cdph.ca.gov/Programs/CFH/DMCAH/surveillance/Pages/default.aspx.

National Standard (according to the Healthy People 2030 Target)

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Breastfeeding Trends

Data for Specific Sub-populations in San Bernardino County
[Data marked with an asterisk (*) should be interpreted with caution due to low statistical reliability]

	California	San Bernardino County	American Indian /Alaska Native	Asian	Pacific Islander	Hispanic	Multi-Race	Black	White	Teens (15-19)
Exclusive Breastfeeding For at least 3 months after delivery	33.2% of people giving birth | 2018-2020	30.6% of people giving birth | 2018-2020	Not Available	* 31.1%	25.3% →	Not Available	21.0% →	51.1% ↗	*27.8%
Any Breastfeeding For at least 3 months after delivery	71% of people giving birth | 2018-2020	59.2% of people giving birth | 2018-2020	Not Available	* 82.6%	55.2% →	Not Available	49.5% →	65.7% →	49.4% →
Ever Breastfed Any breastfeeding since birth	94.9% of people giving birth | 2018-2020	91.8% of people giving birth | 2018-2020	Not Available	Not Available	92.1% →	Not Available	82.5% →	*95.1% →	Not Available
Intended to Breastfeed Exclusively Based on pre-delivery plan by parent	64.7% of people giving birth | 2018-2020	61.3% of people giving birth | 2018-2020	Not Available	47.2% →	55.6% →	Not Available	56.4% →	83.7% →	67.8% →
Intended to Breastfeed (Any) Based on pre-delivery plan by parent	92.8% of people giving birth | 2018-2020	89.9% of people giving birth | 2018-2020	Not Available	* 88.7% →	90.8% →	Not Available	81.5% →	*94.2% →	Not Available

Data for these two subpopulations is only available combined

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Infant Health Indicators

Data for Specific Sub-populations in San Bernardino County

	California	San Bernardino County	American Indian /Alaska Native	Asian	Pacific Islander	Hispanic	Multi-Race	Black	White	Teens (under 20)
Preterm Births Births at less than 37 gestational weeks	8.95% of live births 2019-2021	9.87% of live births 2019-2021 ⊗	14.88% →	8.18% →	12.58% →	9.61% ↗	11.56% →	13.96% →	8.78% →	8.76% →
Low Birthweight Under 2,500 grams (5 lbs, 8 oz)	7.10% of live births 2019-2021	8.05% of live births 2019-2021	11.84% →	8.37% ↗	5.48% →	7.36% ↗	10.21% →	13.56% →	6.83% →	8.43% →
Infant Mortality Death at <1 year post birth	4.16 per 1,000 live births 2018-2020	5.65 per 1,000 live births 2018-2020 ⊗	Not Available	3.00 →	Not Available	5.26 →	7.04 →	11.01 →	4.51 →	5.76 →
Neonatal Abstinence Syndrome	2.5 per 1,000 birth hospitalizations 2019-2021	2.0 per 1,000 birth hospitalizations 2019-2021	Not Available	Not Available	Not Available	1.1	Not Available	Not Available	5.0	Not Available

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Insurance and Prenatal Care

Data for Specific Sub-populations in San Bernardino County
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	California	San Bernardino County	American Indian /Alaska Native	Asian	Pacific Islander	Hispanic	Multi-Race	Black	White	Teens (under 20)
Medi-Cal Insured Deliveries	39.6% of live births 2021	46.6% of live births 2019-2021	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Adequate Prenatal Care Per Kotelchuck index	75.1% of live births 2019-2021	67.9% ⊗ of live births 2019-2021	61.1% →	72.9% ↗	61.6% →	66.8% ↘	69.7% →	66.1% ↘	70.0% ↘	60.5% →
Early Prenatal Care Initiated during the first trimester	87.9% of live births 2019-2021	86.5% of live births 2019-2021	74.5% →	90.2% ↗	74.4% →	86.2% ↗	85.3% ↗	83.0% ↗	88.5% ↗	76.4% ↗
Pre-pregnancy Daily Folic Acid Use	37.3% of people giving birth | 2018-2020	32.1% of people giving birth | 2018-2020	Not Available	48.6% → Data for these two subpopulations is only available combined	25.3% →	Not Available	35.7% →	43.2% →	*15.8% →	

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Maternal Health Indicators

Data for Specific Sub-populations in San Bernardino County

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	California	San Bernardino County	American Indian /Alaska Native	Asian	Pacific Islander	Hispanic	Multi-Race	Black	White	Teens (under 20)
Prenatal Depressive Symptoms	14.6% of people giving birth | 2018-2020	14.1% of people giving birth | 2018-2020	Not Available	Not Available	Not Available	13.2%	Not Available	19.3%	15.3%	*26.6% ages 15-19 only
Postpartum Depressive Symptoms	12.7% of people giving birth | 2018-2020	12.2% of people giving birth | 2018-2020	Not Available	Not Available	Not Available	11.7%	Not Available	15.5%	11.2%	*9.9% ages 15-19 only
Prepregnancy Overweight/Obesity	55.3% of people giving birth | 2019-2021	61.4% of people giving birth | 2019-2021	64.7% →	30.2% ↗	84.8% →	67.8% ↗	59.0% ↗	65.0% ↗	53.6% ↗	43.0% ↗
Excessive Weight Gain During Pregnancy	43.6% of people delivering a full-term, singleton birth 2019-2021	47.2% of people delivering a full-term, singleton birth 2019-2021	52.3% →	32.2% →	65.6% →	47.1% ↗	54.3% →	51.8% →	50.6% →	49.4% →
Short Interpregnancy Interval	26.2% of California residents aged 15-44 with at least one previous live birth	27.6% ⊗ of SBC residents aged 15-44 with at least one previous live birth	34.0% →	25.1% →	41.1% →	26.4% ↘	30.8% →	28.4% ↘	31.3% →	69.3% →

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
Maternal Health Indicators, cont.

Data for Specific Sub-populations in San Bernardino County

	California	San Bernardino County	American Indian /Alaska Native	Asian	Pacific Islander	Hispanic	Multi-Race	Black	White	Teens (under 20)
Pregnancy-Related Mortality. While pregnant or within one year of the end of pregnancy	**18.6** per 100,000 live births | 2020	**13.8** per 100,000 live births | 2016-2020	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Any Hypertension at Delivery.	**14.6%** of delivery hospitalizations to CA residents | 2019-2021	**14.9%** of delivery hospitalizations to SBC residents | 2019-2021	13.3%	10%	14.4%	Not Available	21.2%	15.9%	14.4%	
Any Diabetes at Delivery.	**12.3%** of delivery hospitalizations to CA residents | 2019-2021	**12.9%** of delivery hospitalizations to SBC residents | 2019-2021	12.5%	17.4%	14.4%	Not Available	10.5%	8.8%	3.9%	
Asthma at Delivery.	**6.2%** of delivery hospitalizations to CA residents | 2019-2021	**5.9%** of delivery hospitalizations to SBC residents | 2019-2021	12.5%	2.8%	5.1%	Not Available	11.7%	6.8%	7.7%	
Severe Maternal Morbidity. Unexpected and potentially life-threatening complications from pregnancy, labor, and delivery. SMM includes 20 indicators (e.g., sepsis) or procedures (e.g., hysterectomy).	**104.2** per 10,000 birth hospitalizations 2019-2021	**121.7** per 10,000 birth hospitalizations 2019-2021 ⊗	Not Available	109.0	117.3	Not Available	161.3	123.3	102.3	

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