

2023 Oregon Maternal Data Center Updates

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September 2023

What is the Oregon Maternal Data Center?

- **Collaborative effort** of March of Dimes, Oregon Perinatal Collaborative, and Comagine Health
- **Web-based tool** to generate performance metrics, reports and other information on maternity care services and outcomes
- Designed to be **low-burden, low-cost, high value** tool
- **Links hospital discharge data to clinical data** to generate drill-down information for use by hospital providers, managers, and administrators
- **Patient-level data is fully secure** and visible only to authorized hospital staff

Pop Quiz!

How well do you know the OMDC?

Question #1: What year did the OMDC launch?

A: 2007

B: 2015

C: 2016

D: 2018

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Question #2: The OMDC uses a platform developed and hosted by CMQCC. What does CMQCC stand for?

A: California Maternal Quality Consortium of Clinicians

B: Collaborative of Maternal Quality Care Clinics

C: California Maternal Quality Care Collaborative

D: Convoluted Maternal Health Queries for Californian Clinicians

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Question #3: Which of these regions use the maternal data center platform?

A: Washington, Oregon, and California

B: Washington, Oregon, California, and nationally

C: California, Oregon, and Nevada

D: All 50 states

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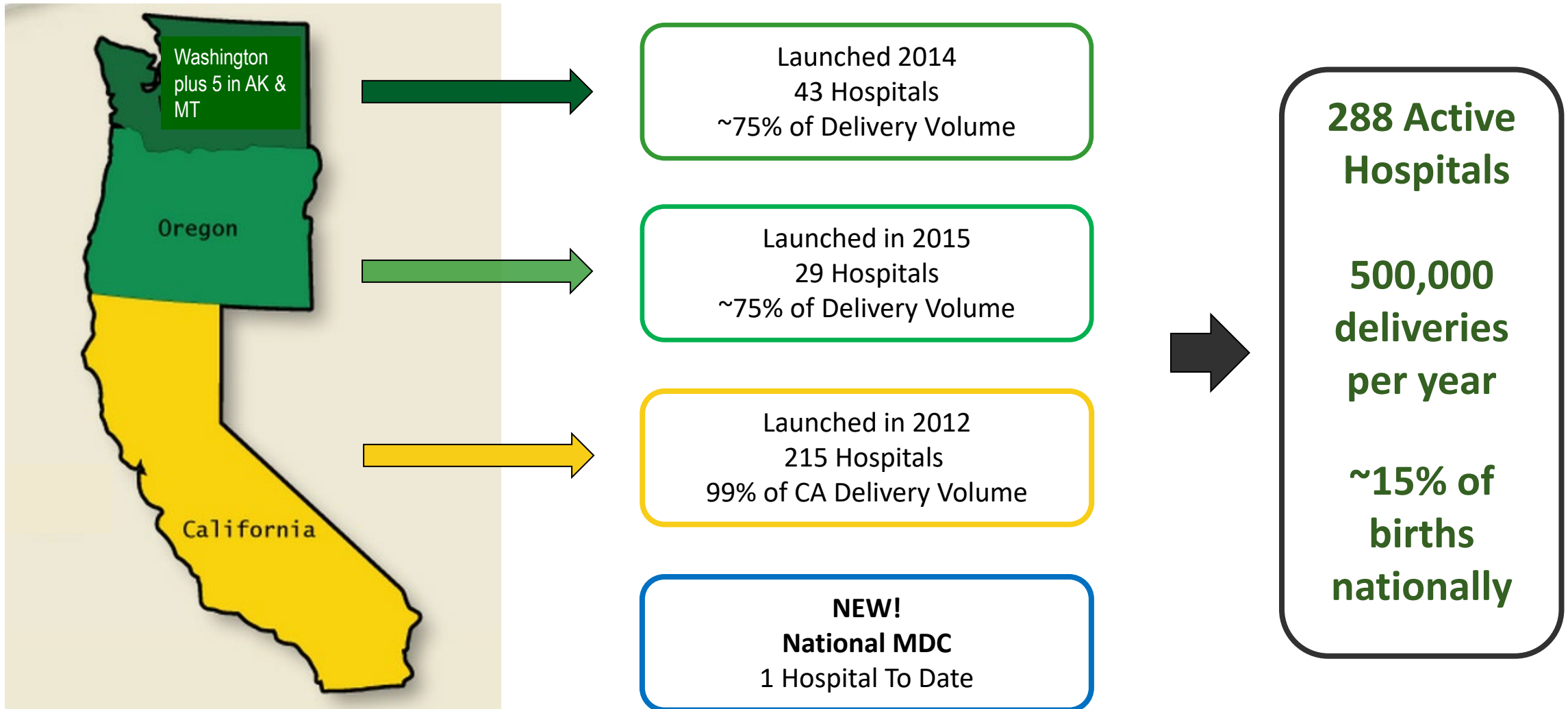
B: Washington, Oregon, California, and nationally



C: California, Oregon, and Nevada

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The Maternal Data Center: 2023



Counts as of 4/1/23

Question #4: What percentage of births in Oregon are covered by the OMDC?

A: 50%

B: 65%

C: 75%

D: 95%

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Oregon Maternal Data Center



29 hospitals



75% of births
statewide

2023 OMDC Enrolled Hospitals

Asante Ashland	Asante Rogue	Asante Three Rivers	Columbia Memorial Hospital	Good Samaritan Regional	Good Shepherd Health Care System	Hillsboro Medical Center (formerly Tuality Health)
Kaiser Sunnyside Medical Center	Kaiser Westside Medical Center	Legacy Emanuel	Legacy Good Samaritan	Legacy Meridian Park	Legacy Mount Hood	Legacy Silverton Medical Center
Oregon Health & Science University	Providence Hood River Memorial Hospital	Providence Medford Medical Center	Providence Newberg Medical Center	Providence Portland Medical Center	Providence Seaside Hospital	Providence St. Vincent Medical Center
Providence Willamette Falls Medical Center	Salem Hospital	Samaritan Albany	Samaritan Lebanon	Samaritan North Lincoln	Samaritan Pacific Communities	St. Charles Bend
			St. Charles Madras			

Statewide performance measures

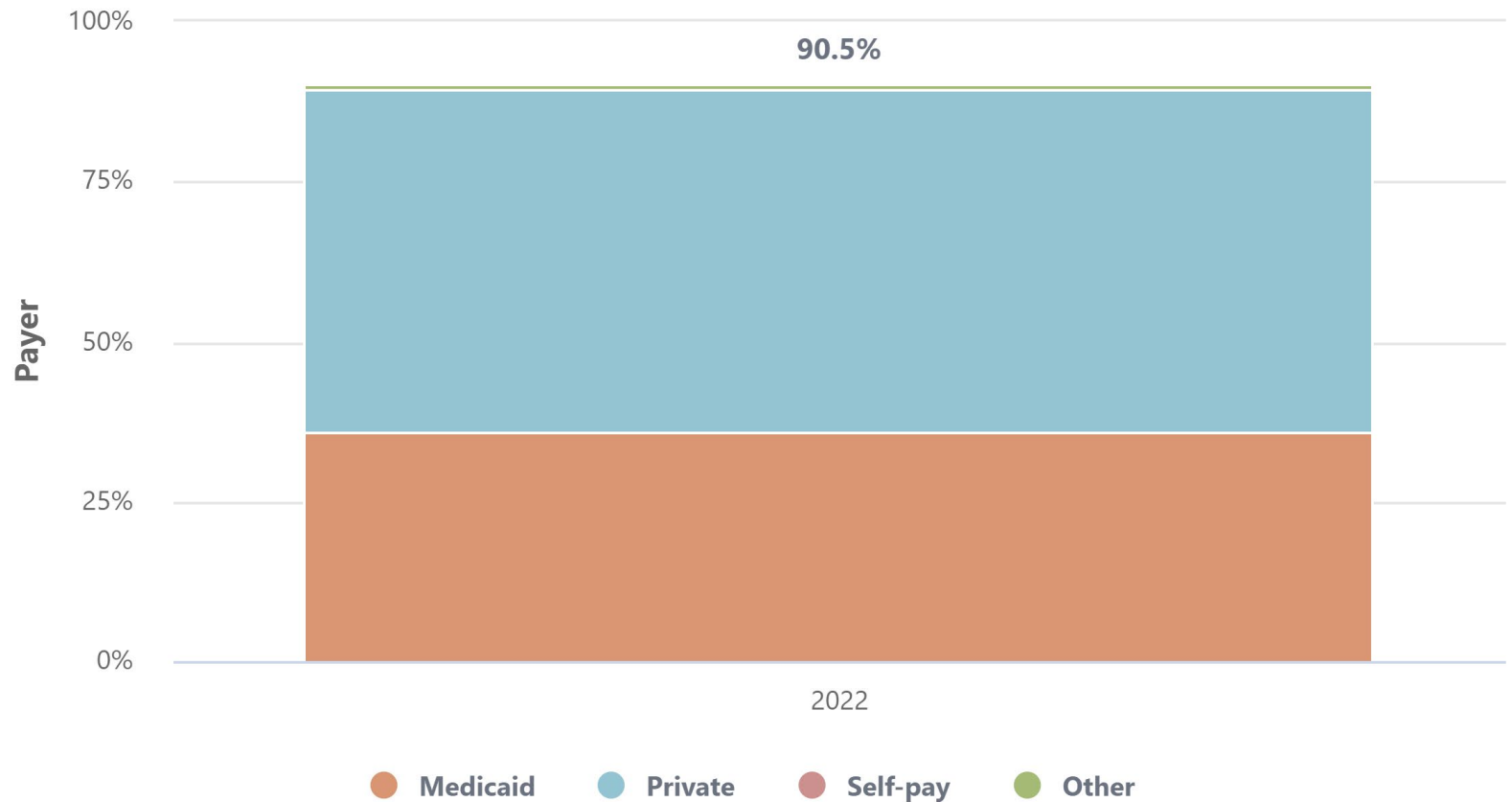
Payer Mix – CY 2022

Overall OMDC Payer Mix

Medicaid 35.8%

Private 53.6%

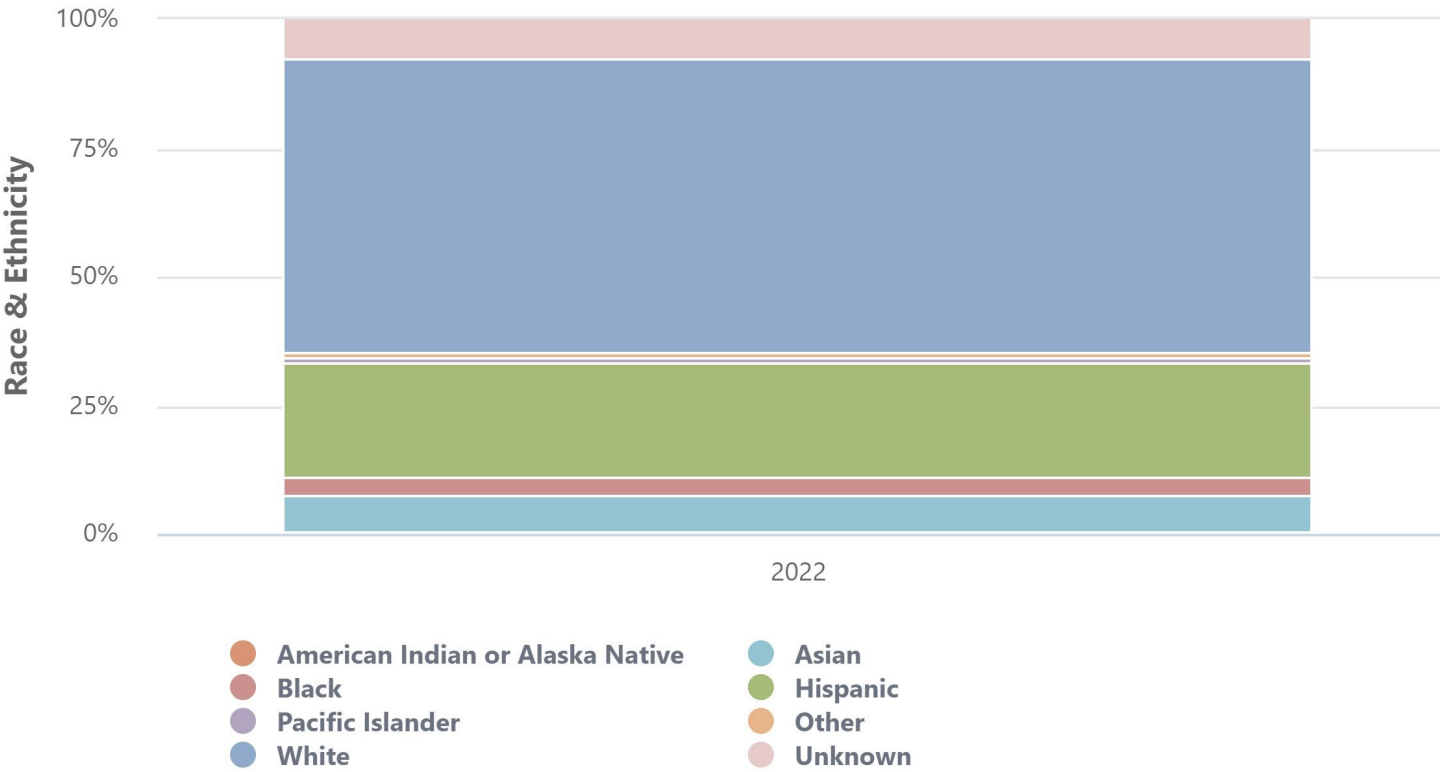
**Self-Pay
or Other** 1.1%



Deliveries by Race & Ethnicity – CY 2022

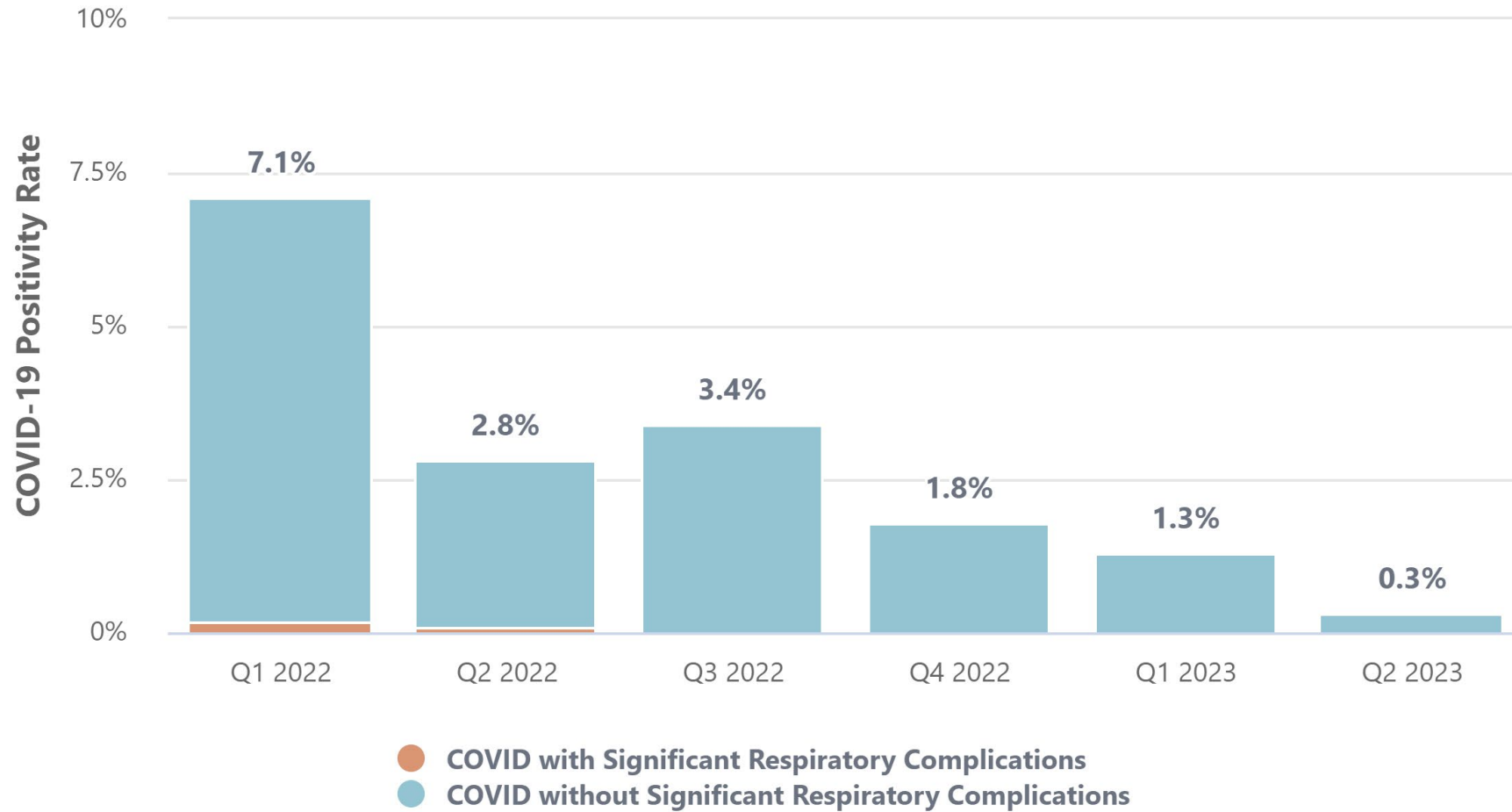
Overall OMDC Race and Ethnicity Distributions

Hispanic	22.1%
White	56.7%
Black	3.6%
American Indian or Alaska Native	0.7%
Asian	6.8%
Pacific Islander	1.3%
Other	1.1%
Unknown	7.7%

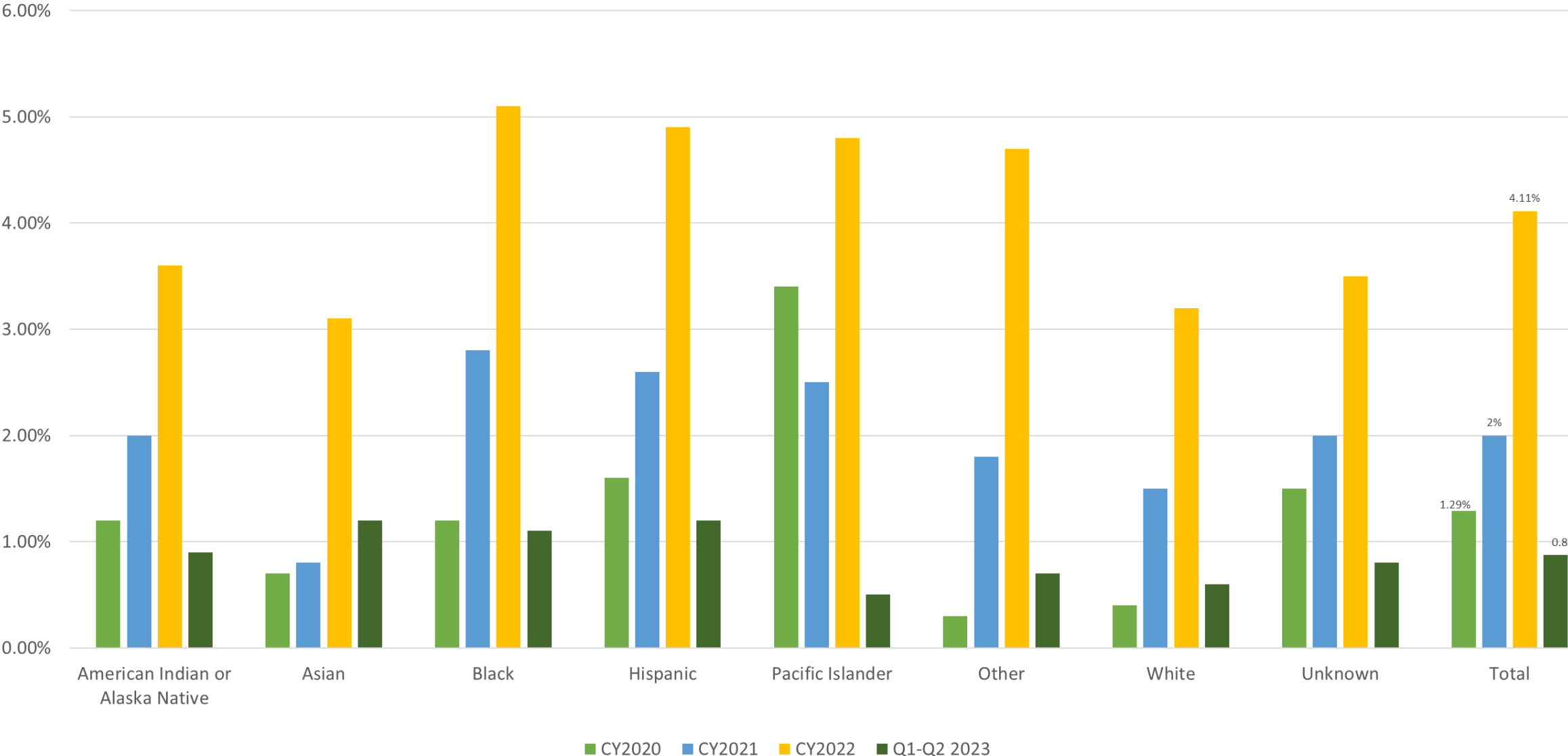


Trend: COVID-19 Positivity Among Maternal Cases

Jan 2022 - Aug 2023

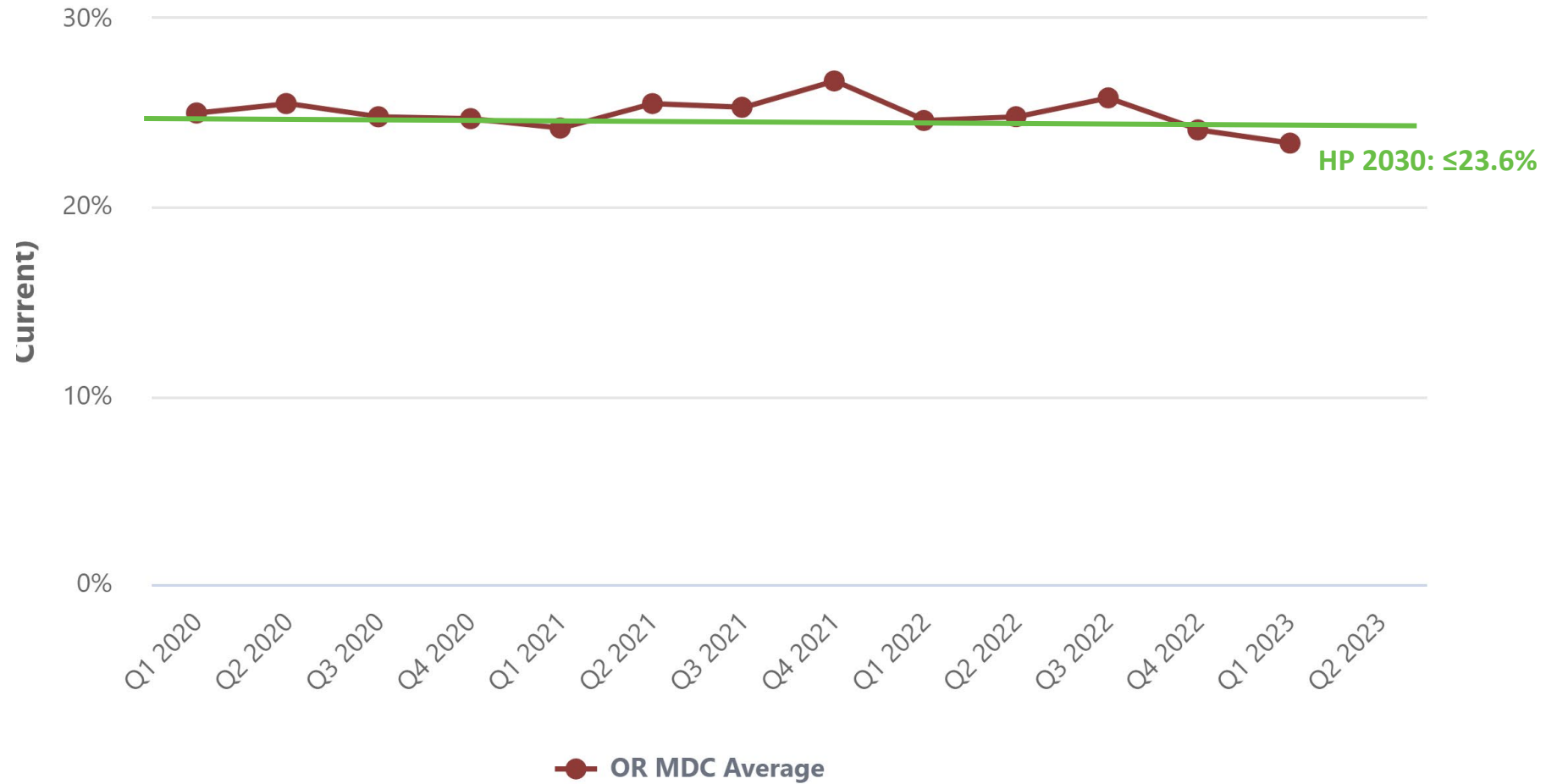


COVID-19 Positivity Rate Among Maternal Cases by Race/Ethnicity, CY2020-Q2 2023

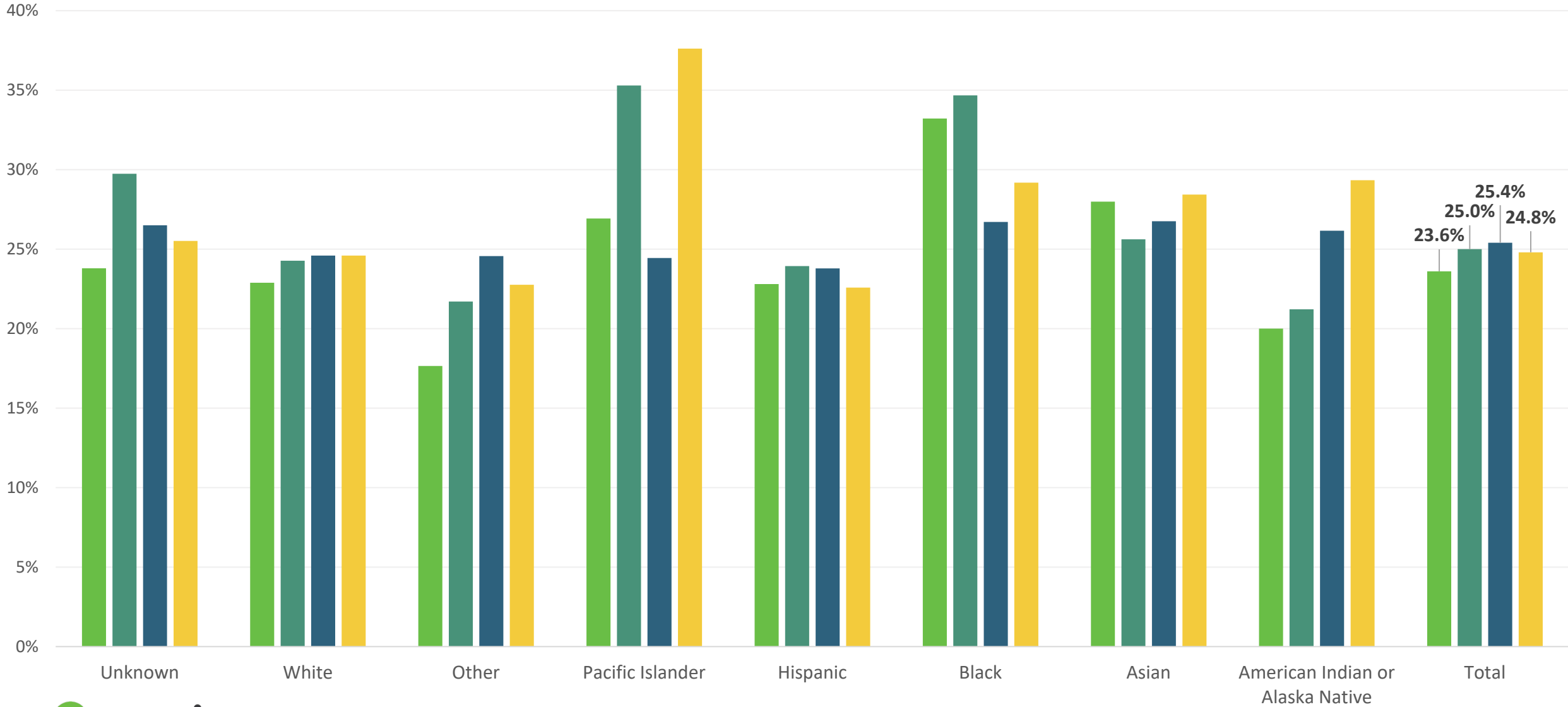


Trend: Cesarean Birth: NTSV - Nullip Term Singleton Vertex (PC-02: Current)

Jan 2020 - Aug 2023

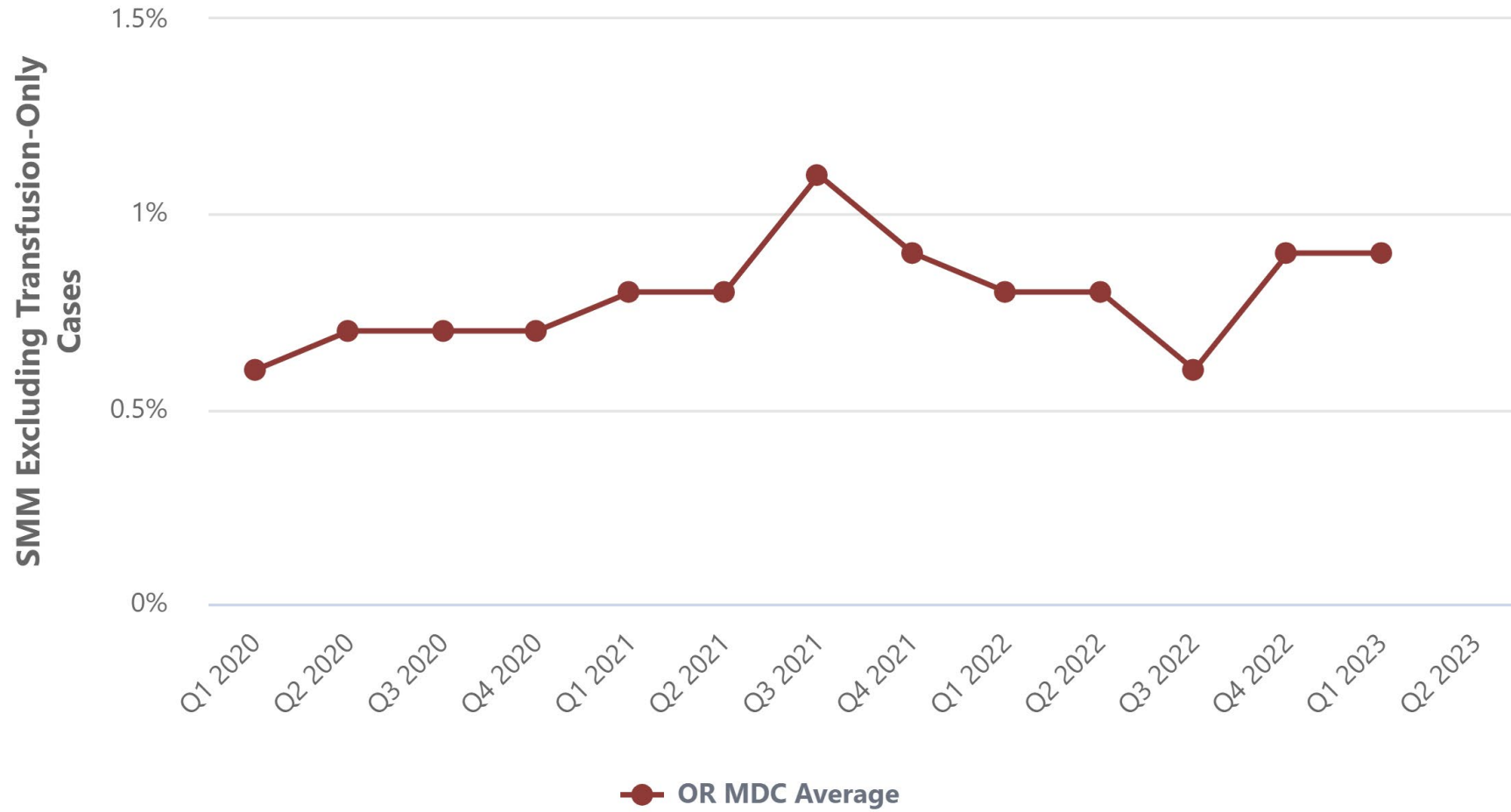


Cesarean Birth: NTSV - Nullip Term Singleton Vertex (PC-02: Current) by Race/Ethnicity, 2019-2022

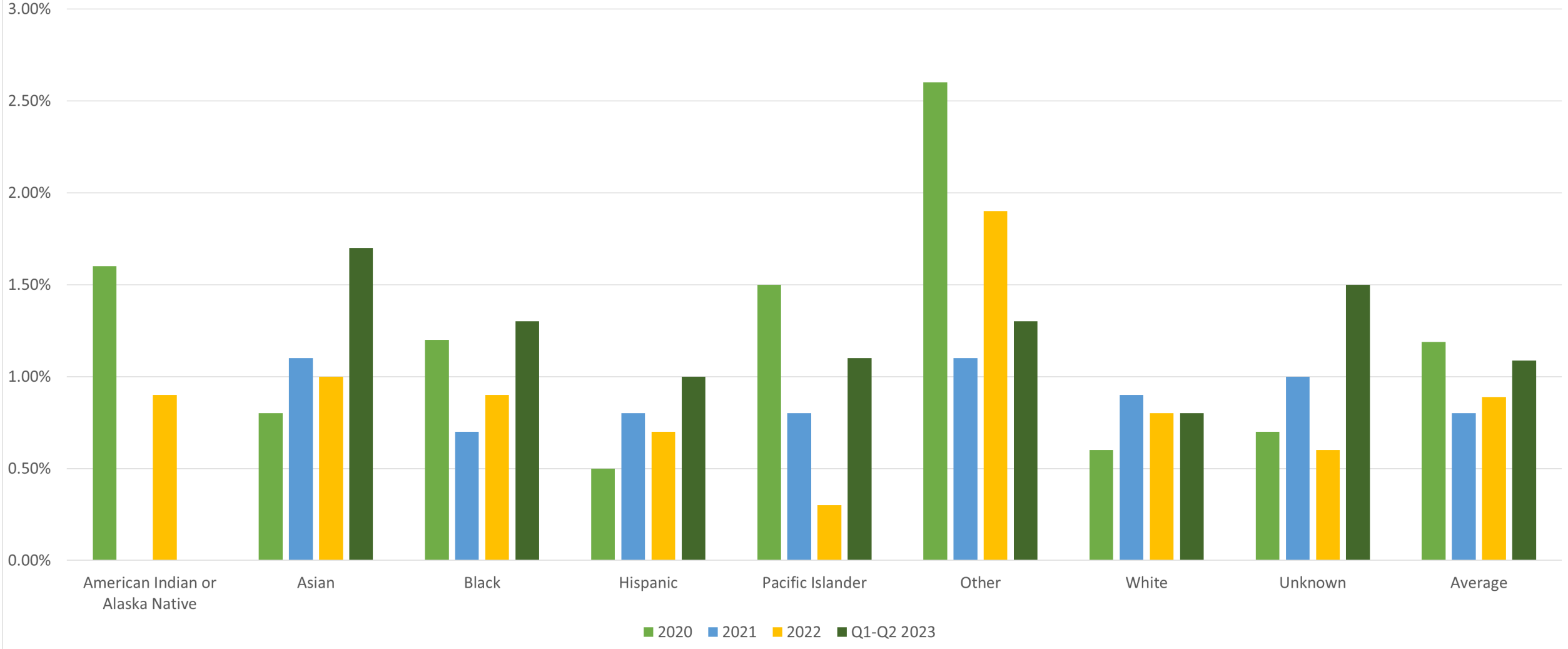


Trend: SMM Excluding Transfusion-Only Cases

Jan 2020 - Aug 2023



SMM Excluding Transfusion-Only Cases by Race/Ethnicity, CY2020-Q2 2023



OMDC Updates

Platform Facelift!

MDC Admin Support What's New Search Hi, Ami CMQCC Accounts Logout

Breitenberg Medical Center Aug - Oct 2020 Data Entry Status

★ Favorite Measures

See how to add "Favorites" to your hospital's home page [here](#)

📊 Clinical Quality Measures

view all 118 by name, reporting org, or topic

Early Elective Delivery (PC-01)	7.7%
Cesarean Birth: NTSV - Nullip Term Singleton Vertex (PC-02: Current)	19.2%
Cesareans after Labor Induction: NTSV Cases	25.0%
Unexpected Newborn Complications: Severe (PC-06.1)	22.5
SMM Excluding Transfusion-Only Cases	0.5%

[Compare Two Measures](#) →

📄 Data Quality Measures

view all 19 by name or topic

Missing Gestational Age on Maternal Records	1.4%
Missing Parity on Maternal Records	1.4%

📈 October 2020 Live Births

67 from 65 in 2019 ↑ 3.1%

📈 2020 Year-to-Date Live Births

684 from 670 in 2019 ↑ 2.1%

📊 Equity: Race & Ethnicity Reports & Tools

Cesarean Birth: NTSV - Nullip Term Singleton Vertex (PC-02: Current)
SMM Excluding Transfusion-Only Cases
Race & Ethnicity Distributions
Missing / Unknown Race & Ethnicity

[Additional Equity Resources](#) → [Race & Ethnicity PDF](#)

🚨 Patient Safety Watch

AIM Hemorrhage Patient Safety
Joint Commission Maternal Safety Standards Tool: Hemorrhage
Preeclampsia Patient Safety
Joint Commission Maternal Safety Standards Tool: HTN/Preeclampsia

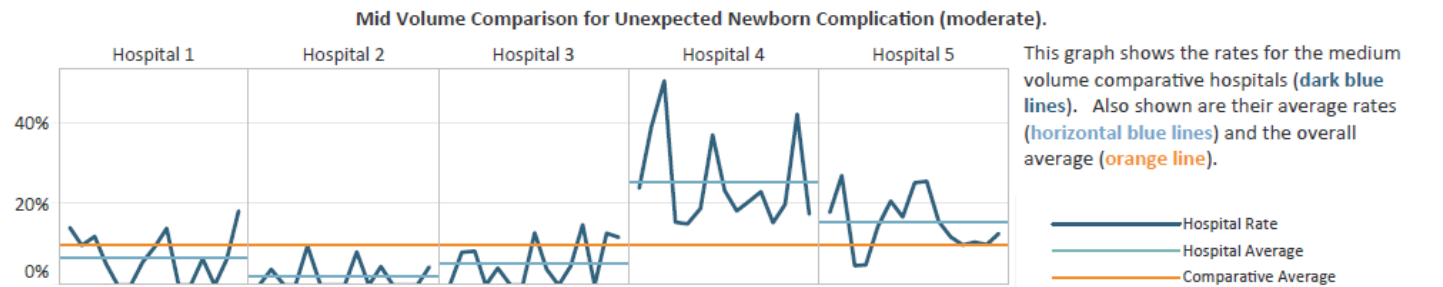
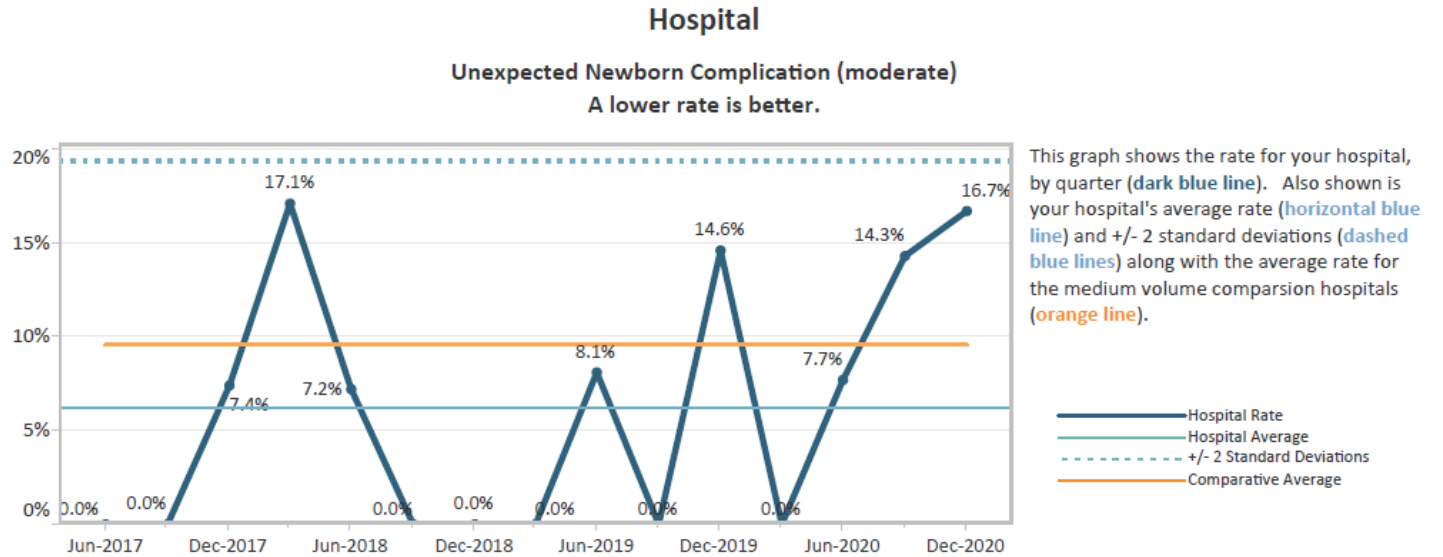
New Features

- Morbidity Filters (e.g. hemorrhage, hypertension, sepsis)
- Elective vs. Medically-Indicated Induction Measure
- Cases Not Discharged Home Measures
- Customizable Favorites on the System Dashboard

The Future of the OMDC

Oregon Maternal Data Center Trend Report

- Comagine Health uses raw OMDC data to expand upon portal reporting
- Reports requested by participating OPC members
- Future analyses: hypertension, SUD, perinatal mental health...?



Definition: Percentage of newborns diagnosed with moderate complications. Denominator: Full term newborns without pre-existing conditions, not exposed to maternal drug use. Numerator: Newborns in the denominator who were diagnosed with moderate complications. Moderate complications would include CPAP use, transient tachypnea of the newborn, or clavicular fracture sustained at the time of a shoulder dystocia.

Maternity work with Oregon Data Collaborative Data

- Identification of birthing parents and infants, including linkage of dyads
- Longitudinal study of outcomes
 - ODC enables tracking of individuals across time and across changes in insurance
- Identification of substance use disorder and behavioral health diagnoses and treatment, including medication
- Select past work
 - Paper submitted on inpatient readmissions and ED visits in 12 months postpartum (collab with OHSU)
 - Poster at Society of Maternal Fetal Medicine on the same topic
 - Variation in postpartum visits by region in Oregon
 - In- and out- of hospital births before and during pandemic (collab with Harvard)

Call to Action: How to Use These Data?

- We have a valuable data asset – how can we leverage it?
 - Use cases
 - New measures
 - Links to ODC Data
- Questions about using the OMDC? Want to onboard your hospital?
 - Contact us: ahanna@comagine.org

Thank you!