

# Addressing the Maternal Mortality Crisis and How Community Organizations Can Play a Key Role

January 24, 2024  
12pm – 1:30pm

# Welcome & Goals

**Ashwini Lakshmanan, MD, MS, MPH, FAAP**

Associate Professor, Department of Health Systems Science,  
Kaiser Permanente Bernard J. Tyson School of Medicine

**Courtney Breault, MSN, RN, CPHQ**

Associate Director of Quality at California Perinatal Quality  
Care Collaborative (CPQCC)

# Webinar Objectives

1. Understand California's maternal mortality data and CMQCC's perinatal equity projects.
2. Provide a space to support listening to families to better understand the family & patient perspective and learn about patient & family advocacy.
3. Increase knowledge around determinants of health inequities in maternal health.
4. Explore the role of community organizations in connecting families.

# Agenda

TIME	TOPIC	SPEAKER
12pm - 12:05pm	Welcome and Intros	Ashwini Lakshmanan, MD, MPH & Courtney Breault, MSN, RN, CPHQ
12:05pm - 12:20pm	California maternal mortality data and a brief glimpse into CMQCC's perinatal equity projects	Amanda P. Williams, MD, MPH, FACOG
12:20pm - 12:35pm	Family & patient perspective and touch on patient advocacy.	Mia Malcolm
12:35pm - 12:50pm	Determinants of health inequities focusing on maternal health. The role of racism in health policy development, health system design, and health care outcomes.	Alecia McGregor, PhD
12:50pm - 1:05pm	The role of community organizations and importance of connections.	Valencia Walker, MD, MPH
1:05pm - 1:25pm	Q&A Panel	ALL SPEAKERS
1:25pm - 1:30pm	Wrap up and closing	Ashwini Lakshmanan, MD, MPH & Courtney Breault, MSN, RN, CPHQ

# Speakers



**Amanda P. Williams, MD, MPH, FACOG**  
Clinical Innovation Advisor, CMQCC



**Mia Malcolm**  
Program Manager for Patient Family Centered Care & DEIB  
Advisor, St. Louis Children's Hospital



**Alecia McGregor, PhD**  
Assistant Professor of Health Policy and Politics Health  
Policy and Management, Harvard University



**Valencia P. Walker, MD, MPH**  
Vice Dean for Health Equity and Inclusion,  
Geisinger Commonwealth School of Medicine

# Continuing Education (CE) Credit for RNs



- CE credits have been approved for the **live attendance of today's session for RNs**
- The Perinatal Advisory Council: Leadership, Advocacy and Consultation (PAC/LAC) is an approved provider by the California Board of Registered Nursing Provider CEP 5862
- Please contact Courtney Breault ([courtney@cpqcc.org](mailto:courtney@cpqcc.org)) regarding any questions related to the RN-CE credits, grievances, or in order to request accommodations for disabilities

STEP  
ONE

## SIGN IN

Please chat in your name to sign into today's session

STEP  
TWO

## EVALUATION

A QR code and link will be provided at the end of the live session

# California Maternal Morbidity and Mortality Through an Equity Lens



Amanda Williams, MD, MPH, FACOG  
Clinical Innovation Advisor  
California Maternal Quality Care Collaborative  
Adjunct clinical associate professor  
Department of Obstetrics and Gynecology  
Stanford University School of Medicine



# Disclosures



- Medical Director, Mahmee
  - *venture backed, tech-enabled pregnancy and postpartum wrap around services company aimed at elevating maternal health **equity** and supplementing traditional perinatal care*
- Clinical Advisor, RiskLD
  - *obstetric alerts and decision support software*

**PROPUBLICA** Graphics & Data Newsletters About

Racial Justice Health Care Politics Immigration More...

Summer Fundraiser Deadline: Friday, [Donate Now.](#)

## LOST MOTHERS

Maternal Care and Preventable Deaths

The U.S. has the highest rate of deaths related to pregnancy and childbirth in the developed world. Half of the deaths are preventable, victimizing women from a variety of races, backgrounds, educations and income levels.

**FEATURED**



**We're Investigating How Insurance Gaps Endanger Mothers. This Is Why.**

Women are getting kicked off Medicaid quickly after giving birth or aren't qualifying for care to begin with.

by Nina Martin, ProPublica, and Julia Belluz, Vox, April 25, 2019, 5 a.m. EDT

**Nothing Protects Black Women**



The New York Times

## *Huge Racial Disparities Found in Deaths Linked to Pregnancy*

African-American, Native American and Alaska Native women are about three times more likely to die from causes related to pregnancy, compared to white women in the United States.

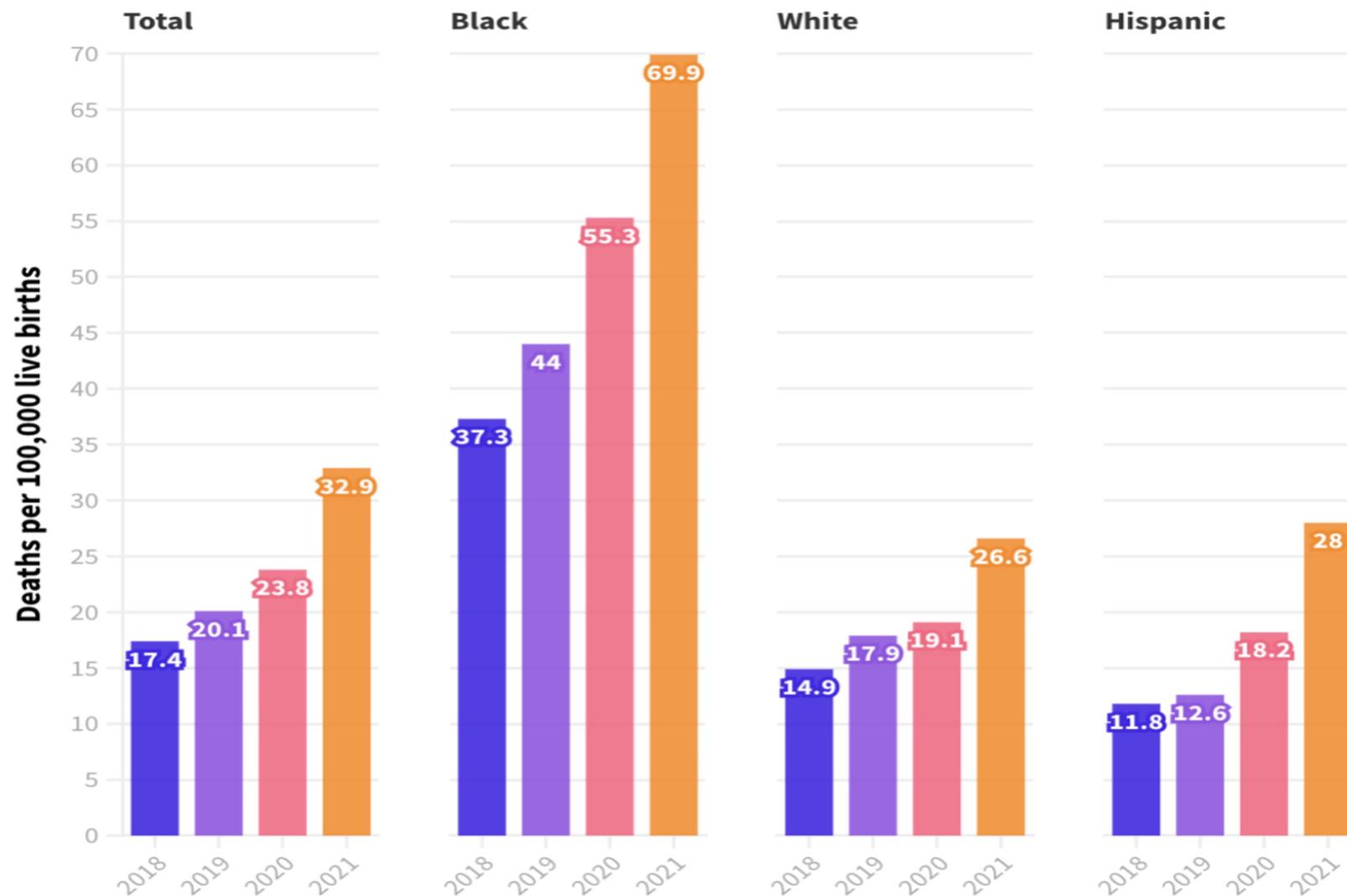


**Childbirth Is Deadlier for Black Families Even When They're Rich, Expansive Study Finds**

# U.S. Maternal Mortality Rates by Race and Ethnicity, 2018-2021

CMQCC

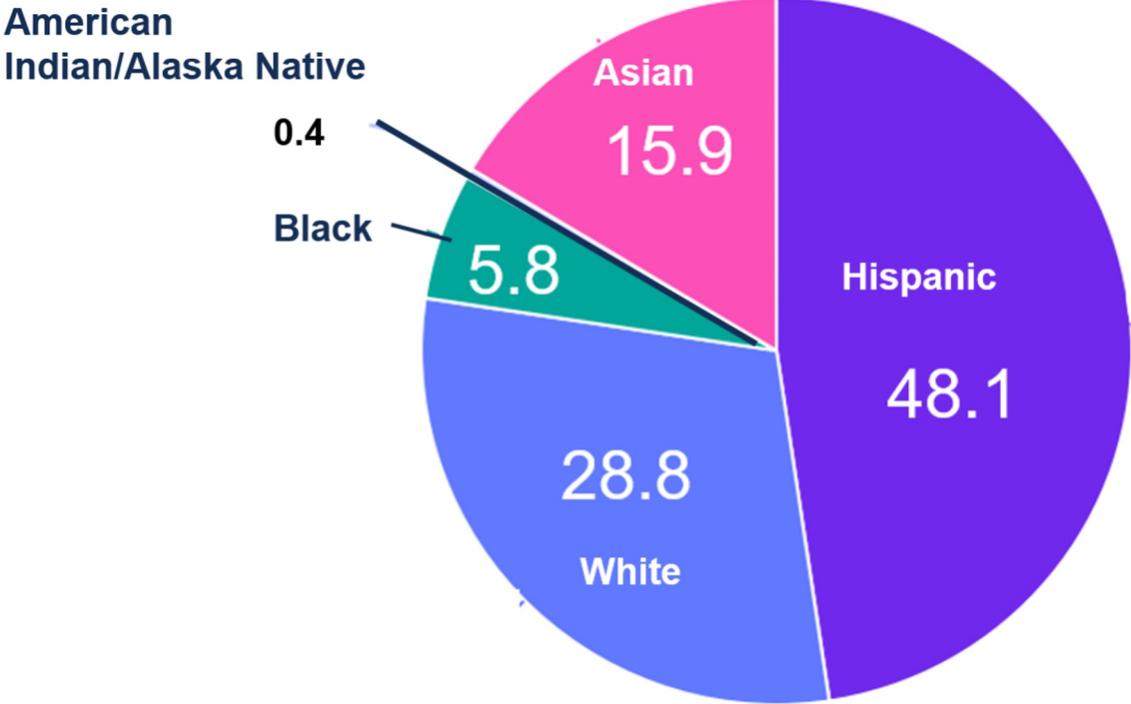
Year 2018 2019 2020 2021



Source: National Center for Health Statistics, National Vital Statistics System, Mortality • Visualization: E. Otwell, D.L. Hoyert/Division of Vital Statistics/National Center for Health Statistics

# California: Births by race/ethnicity 2018-2020

2020 Total California Births: 420,259



All race categories exclude Hispanics. Percentages will not total 100 percent since missing ethnicity data are not shown.

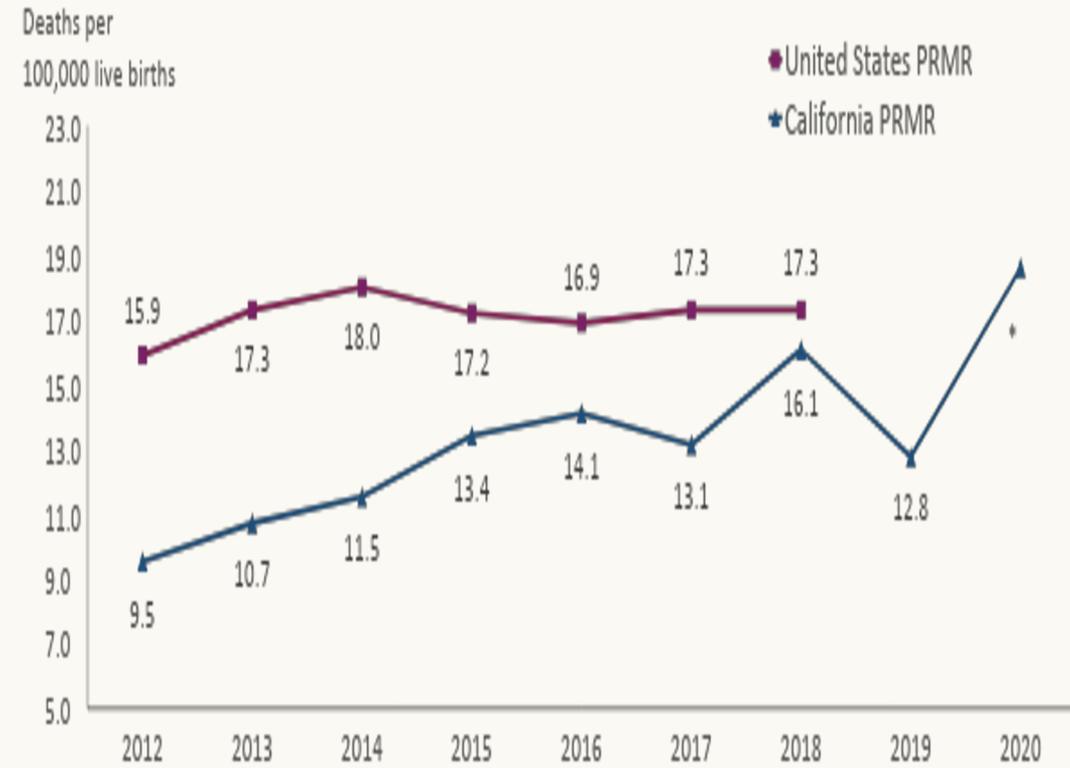
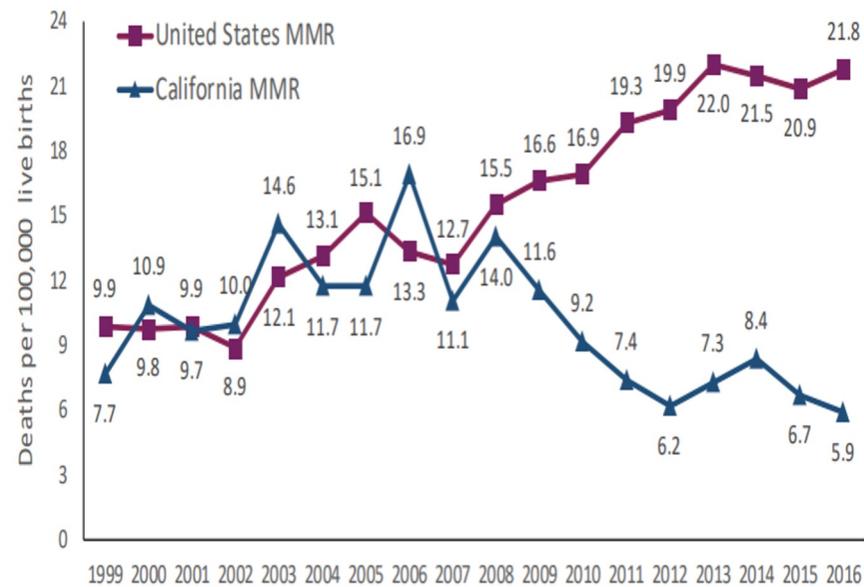
National Center for Health Statistics, final natality data. Retrieved March 29, 2023, from [www.marchofdimes.org/peristats](http://www.marchofdimes.org/peristats).

# Pregnancy-Related Mortality Ratio in U.S. and California 1999-2020

CA-PMSS 2021



Figure 1: Maternal Mortality Ratio in U.S. and California, 1999-2016

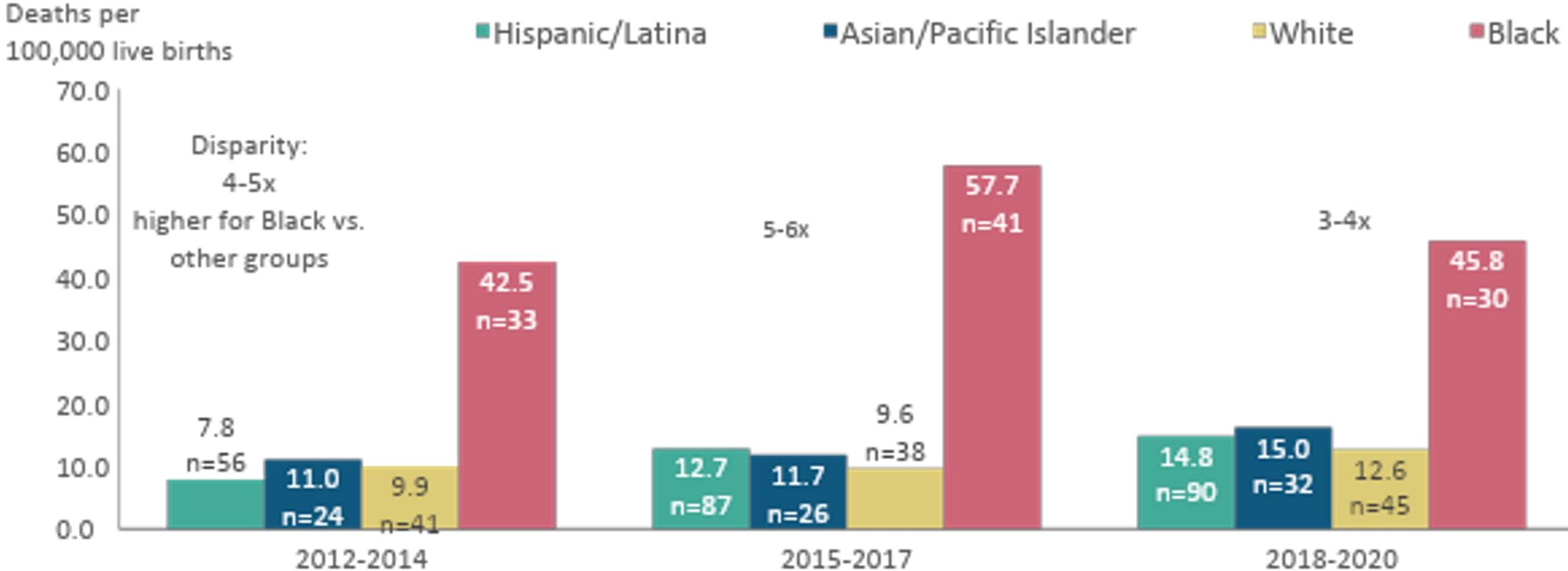


Pregnancy-related mortality ratio (PRMR) = Number of pregnancy-related deaths per 100,000 live births, up to one year after the end of pregnancy. Pregnancy-relatedness determinations were made through a structured expert committee case review process. Data on U.S. PRMR are published by CDC Pregnancy Mortality Surveillance System (accessed at [Pregnancy Mortality Surveillance System | Maternal and Infant Health | CDC](#) on February 7, 2023).

\* The 2020 PRMR is significantly higher than the PRMRs in 2012 and 2013

# Pregnancy-Related Mortality Ratio by Race/Ethnicity

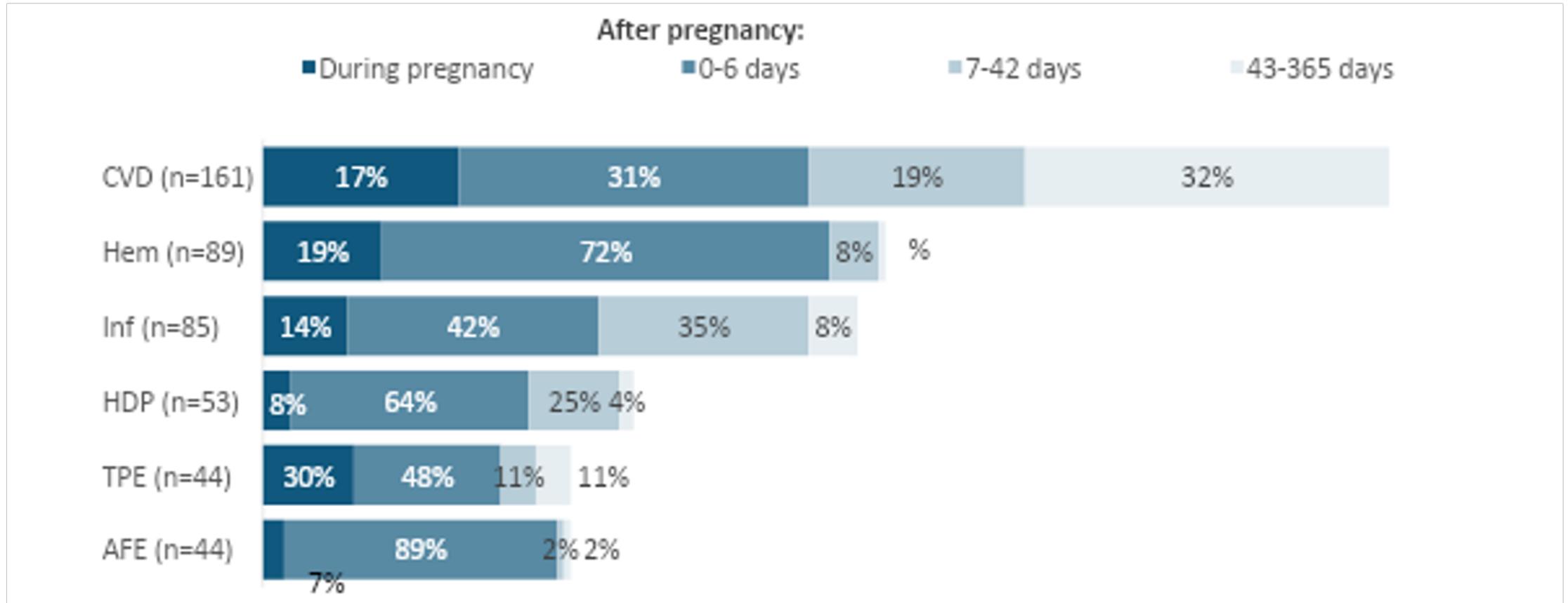
## California 2012-2020



Pregnancy-related mortality ratio (PRMR) = Number of pregnancy-related deaths per 100,000 live births. Pregnancy-related deaths include deaths within a year of pregnancy from causes related to or aggravated by the pregnancy or its management, as determined by expert committee review.

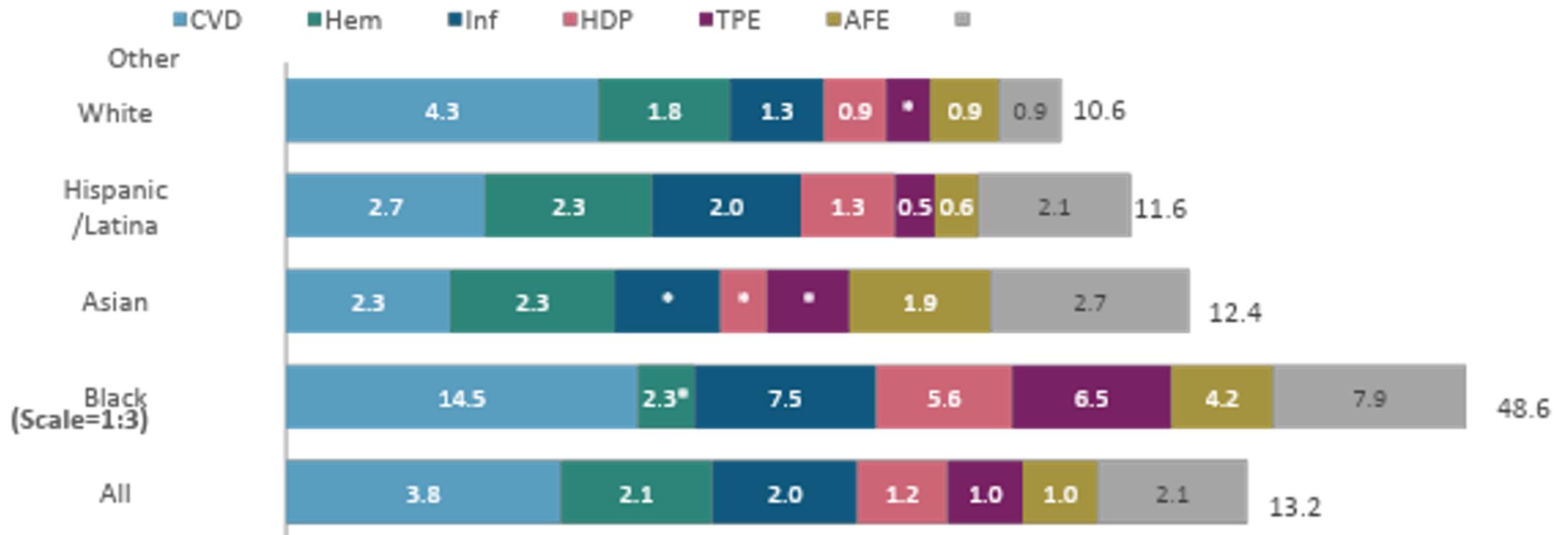


# Pregnancy-Related Deaths by Cause and Timing to Death California 2012-2020 (N=564)



Pregnancy-related deaths include deaths within a year of pregnancy from causes related to or aggravated by the pregnancy or its management, as determined by expert committee review. Abbreviations: CVD = Cardiovascular disease; Hem = Hemorrhage; Inf = Sepsis or infection; HDP = Hypertensive disorders of pregnancy; TPE = Thrombotic pulmonary embolism; ; AFE = Amniotic fluid embolism. *Note: Deaths not shown in the above figure were from cerebrovascular accidents (26), anesthesia (10), other medical causes (78) and undetermined (4).*

# Pregnancy-Related Mortality Ratio by Race/Ethnicity and Cause - California 2012-2020 (N=564)



Pregnancy-related mortality ratio (PRMR) = Number of pregnancy-related deaths per 100,000 live births. Pregnancy-related deaths include deaths within a year of pregnancy from causes related to or aggravated by the pregnancy or its management, as determined by expert committee review. Abbreviations: CVD = Cardiovascular disease; Hem = Hemorrhage; Inf = Sepsis or infection; HDP = Hypertensive disorders of pregnancy; TPE = Thrombotic pulmonary embolism; AFE = Amniotic fluid embolism. PRMRs of American Indian/Alaska Native, Native Hawaiian/Pacific Islander, Multiple-race and other races are not shown due to small counts

\* Unstable ratio; n<10

# Comprehensive Approach to Addressing Disparities

## CMQCC Initiatives & Projects in Partnership

Anemia

Community Birth Partnership

- Team-Based Care
- Midwife Integration
- Partnering with Doulas
- Improving Transfer of Care

Preeclampsia: Low-Dose Aspirin Campaign

CA Department of Public Health Pregnancy-Associated Review Committee

Sepsis

Post Partum Re-design

# Pilot Birth Equity Initiative Tools Used By Five Pilot Hospitals

## Move Beyond Implicit Bias Training

- Hospital Action Guide for Respectful and Equity Centered Care

## Instill accountability

- Sharing “Commitment to Safe and Equitable Care”
- Collection of patient narratives/stories

## Practice Active Listening

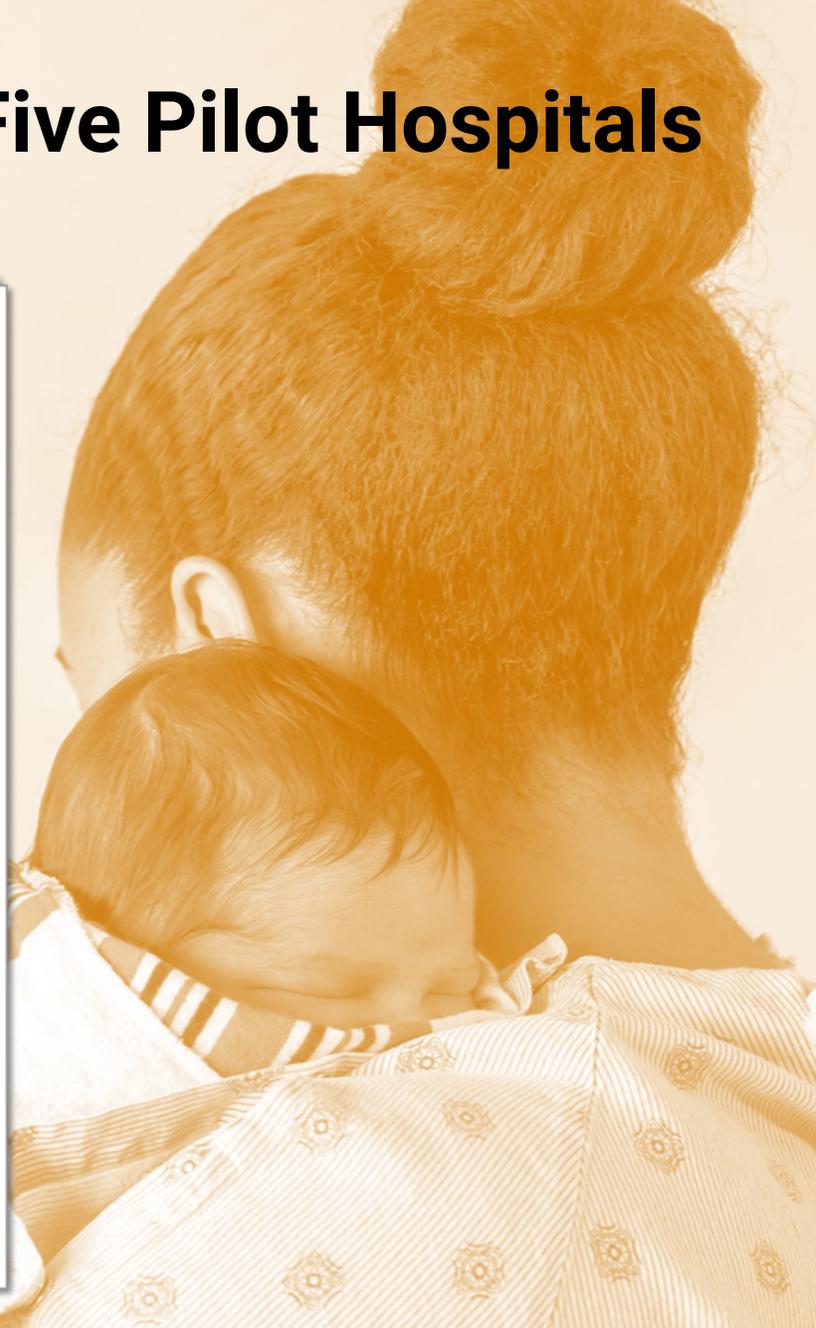
- CDC Hear HER Campaign

## Use Data to Drive Change

- Stratify outcomes by race/ethnicity (CMQCC Maternal Data Center)

## Change Unit Culture

- Culture of equity survey
- Address microaggressions



**Our Commitment to Safe and Equitable Birth**  
Nuestro compromiso para un parto seguro y humanizado



**We Promise:**  
Prometemos:

**To care for you with dignity and respect.**  
Atenderla con dignidad y respeto.

**To partner with you to understand any social and emotional concerns you may have.**  
Trabajar con usted para entender cualquier preocupación de carácter social y emocional que pueda tener.

**To learn how we can best support your goals for your birth experience.**  
Aprender cómo apoyarla mejor para que la experiencia del parto sea tal como la imaginó.

**To ask permission before any examinations and procedures.**  
Pedirle permiso antes de hacerle cualquier examen o procedimiento.

**To respect your modesty and protect your personal boundaries.**  
Respetar su intimidad y proteger sus límites personales.

**To recognize the importance of your support persons and value their role in your birth experience.**  
Reconocer la importancia de sus personas de apoyo y el valor que tienen en la experiencia del parto.

**To explain information in the language of your choice, so you can make informed decisions that are right for you.**  
Brindarle información en el idioma que prefiera, para que pueda tomar las decisiones informadas adecuadas para usted.

**We want you to have a safe and empowering birth experience!**  
¡Queremos que tenga una experiencia de parto segura y empoderadora!

 **Sutter Health**  
Alta Bates Summit Medical Center

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New maternal health  
**equity** tools for  
CMQCC California  
member hospitals

CMQCC

# Equity Tool - Hospital Action Guide for Respectful and Equity-Centered Obstetric Care

**Launched  
July 2023**

Hospital Action Guide



For Respectful and  
Equity-Centered  
Obstetric Care

- ✓ **Resources and tools to guide to get started or continue equity-centered care.**

- ✓ **Modules will include resources for:**
  - ✓ **Understanding the Need for Birth Equity**
  - ✓ **Identify Opportunities for Collecting and Sharing Stratified Data and Patient Experience and Outcomes**
  - ✓ **Examine Current Equity Practices**
  - ✓ **Leverage Patient Care Process and Outcome Data to Address Obstetric Disparities**
  - ✓ **Create a Culture of Respectful Care**
  - ✓ **Build Partnerships with the Community**

# Equity Tool - CMQCC Learning Initiative for Supporting Vaginal Birth with an Equity Lens

**Launched  
May 2023**

**Learning Initiative**



For Supporting Vaginal Birth  
Through an Equity Lens

- ✓ **Reduce disparities in NTSV Cesarean rates through a renewed focus on NTSV structure/process metrics and introducing equity-based concepts and tools.**
- ✓ **Plan: Conduct Learning Initiative rounds for 18 months staggering new rounds every 9 months with 2 cohorts in each round.**
- ✓ **Curriculum to follow CMQCC Hospital Action Guide**
- ✓ **CDC grant funded initiative for 5 years beginning September 30, 2022 – 2027**

# Equity Tool - Culture of Equity Survey

**Launched  
October 2023**

For Hospital Teams



Culture of Equity Survey

- ✓ **Designed to be administered to units to understand team members' perspectives on equity**

- ✓ **Survey captures perspectives on and experiences with:**
  - ✓ **Bias**
  - ✓ **Comfort addressing bias, racism, and disrespectful care**
  - ✓ **Healthcare team members' behaviors toward patients and other staff members**
  - ✓ **Shared decision-making with patients**
  - ✓ **Experience with microaggressions, bias, and racism**
  - ✓ **Organizational structure that supports respectful and equity-centered care**

# New Equity Tool Now Available to California Hospitals

CMQCC



# Module Overview



## Start Here

Welcome to the Hospital Action Guide for Respectful and Equity-Centered Obstetric Care

Learn how this guide is structured and how best to use it.



## Module 1

Understand the Need for Birth Equity to Enhance Equity, Reduce Disparities, Increase Safety, and Meet Regulatory and Legislative Requirements

Shape your understanding of the problems that exist and then prepare to do the work identified in the following modules.



## Module 2

Identify Opportunities for Collecting and Sharing Stratified Data on Patient Experience and Outcomes

Learn how both quantitative and qualitative data play a role in your quality improvement efforts.



## Module 3

Examine Current Equity Practices to Implement Informed and Meaningful Action

Address policies, procedures and practices that can foster respectful care.



## Module 4

Leverage Patient Care Process and Outcome Data to Address Obstetric Disparities

Connect Your Data to the Work



## Module 5

Create a Culture of Respectful Care

Commit to Respectful, Equitable and Safe Care



## Module 6

Integrating Community Collaboration in Quality Care Initiatives

Tools and examples for creating and sustaining meaningful engagement.

# Learning Opportunities & Action Steps

## Learning Opportunity: Understanding How Bias Affects Patient Safety and Quality of Care

← **Learning Opportunity: Understanding How Bias Affects Patient Safety and Quality of Care**

**Module 5:** → **Create a Culture of Respectful Care**

- Guide Home
- Start Here
- Module 1: Understand the Need for Birth Equity
- Module 2: Collect and Share Stratified Data
- Module 3: Examine Current Equity Practices
- Module 4: Leverage Patient Care Process and Outcome Data to Address Obstetric Disparities
- Module 5: Create a Culture of Respectful Care
  - Recognizing Concepts of Respectful Maternity Care
  - Comprehending the Linkage Between Patient Data and Improvements in Respectful Care In Order to Evaluate Progress
  - Creating an Environment of Safety for Maternity Care
  - Understanding How Bias Affects Patient Safety and Quality of Care**
    - Learning How Accountability Measures Align With a Commitment to Equity-Centered Care
- Module 6: Create Partnerships with Community
- Webinars
- Acknowledgements & Feedback
- Additional Resources
- Equity Action Guide Open Office Hours
- +

### Introduction

The State of California's health and safety code (law) now includes The California Dignity in Pregnancy and Childbirth Act (SB464), which requires a hospital providing perinatal care to implement an evidence-based implicit bias program for all healthcare providers involved in the perinatal care of patients within those facilities. Ten topics are required for the program under the code, including discussing health inequities in perinatal care. Most California hospitals are in the process or have completed the required implicit bias training required by law. It is crucial that one understands that implicit bias training is just the beginning of the work required to achieve equity in healthcare. Completing the required program is a first step for many clinicians in this state. Understanding the connection between bias and its negative effect on respectful patient care reinforces the need for the U.S. healthcare system and clinicians to identify and work to eliminate biases affecting birthing people.



### Action Steps +

#### ✓ 1: Illustrate How Bias in Healthcare Affects Patient Safety and Quality of Care

While there are numerous studied effects of bias in healthcare, consider the effect on community and individual patient health when patients refuse to seek care and/or avoid speaking up due to the bias and potential discrimination they have experienced in prior exposures to healthcare providers. Delaying or avoiding seeking medical care can have potentially disastrous effects during pregnancy and the postpartum period. The Joint Commission began producing "Quick Safety" issues back in the early 2010s. These are "publications that outline an incident, topic, or trend, in healthcare that could compromise patient safety." <sup>1</sup>Review the two editions regarding bias noted in the resources .

↙ **Action Step 1: Illustrate How Bias in Healthcare Affects Patient Safety and Quality of Care**

# Resources to Take Action

JAMA Network  
 JAMA Health Forum

Search All Enter Search Term

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Research Letter  
 April 14, 2023

## Association of Race With Urine Toxicology Testing Among Pregnant Patients During Labor and Delivery

Marian Jarlenski, PhD, MPH<sup>1</sup>; Jay Shroff, MS<sup>1</sup>; Mishka Terplan, MD<sup>2</sup>; et al  
 > Author Affiliations | Article Information  
 JAMA Health Forum. 2023;4(4):e230441. doi:10.1001/jamahealthforum.2023.0441

Introduction

An estimated 16% of pregnant persons in the US use alcohol (10%) or an illicit substance (6%, including cannabis).<sup>1</sup> Urine toxicology testing (UTT) is often performed at the time of labor and delivery for pregnant patients to evaluate substance use.<sup>2,3</sup> We sought to elucidate associations between race and receipt of UTT and a positive test result among pregnant patients admitted to the hospital for delivery.

Methods

**Integrating Equity into Hospital-wide and Unit-based Policies and Practices**

Evaluating Current Practices for Assessing Patient's Health-Related Social Needs and Referrals to Resources

Module 4: Leverage Patient Care Process and Outcome Data to Address Obstetric Disparities

Module 5: Create a Culture of Respectful Care

Module 6: Create Partnerships with Community

Webinars

Acknowledgements & Feedback

**3: Scan Department for Diversity in Imagery that Leads to Inclusivity and Cultural Concordance**

Gather your committee to tour the unit from a customer perspective to assess for diversity in the imagery displayed. Consider marketing assets, educational materials, wall paintings, bulletin board flyers, etc. Determine if the images adequately reflect the community served. Assess whether the diversity in the staff and providers is reflected. Are the images an accurate depiction of the hospital environment? Create action plans to address identified discrepancies. Finally, consider how patients, community organizations, and frontline staff could aid this cultural shift.

**Resources to Take Action +**

**Article: Association of Race With Urine Toxicology Testing Among Pregnant Patients During Labor and Delivery**

Findings of a cohort study that found the probability of receiving a urine toxicology test at delivery was higher for Black patients compared with White patients and other racial groups. Black patients did not have a higher probability of testing positive.

Jarlenski M, Shroff J, Terplan M, Roberts SCM, Brown-Podgorski B, Krans EE. Association of Race With Urine Toxicology Testing Among Pregnant Patients During Labor and Delivery. *JAMA Health Forum*. 2023;4(4):e230441. doi:10.1001/jamahealthforum.2023.0441

**Case Study: Promoting Diversity, Equity, and Inclusion Through Art**

This case study shares the work of a physician-led art program to better reflect the diversity of clients, staff and community. The program team plans to utilize patient satisfaction scores to gauge impact.

Edwards, M. (2021). Imaging 3.0: Promoting diversity, equity, and inclusion through art. American College of Radiology.

December 2021

**Case Study: Promoting Diversity, Equity, and Inclusion Through Art**

*A radiologist at Massachusetts General Hospital organizes art installations throughout the hospital's buildings.*

By Meghan Edwards

**Key Takeaways:**

- A radiologist saw an opportunity to showcase diverse art, allowing the hospital to better engage with patients and make its spaces more inclusive.
- He partnered with colleagues and a local nonprofit organization to create an art exhibit that reflects the community that the hospital serves.
- With thoughtful art displayed, the hospital's community centers create empathy among staff and combat health disparities.

On the wall of a typical office or healthcare center, one might see painted landscapes or abstract art in soothing blue tones meant to calm patients. The walls of Massachusetts General Hospital's (MGH) Chelsea HealthCare Center, however, look a bit different.

Large pictures of brightly colored murals hang throughout the building. One features the owner of a local yoga studio watering her flowers; she's framed by an enormous lace doily. Another features a Latina woman facing away from the camera, a rooster on her shoulder and an aloe plant in her hand — symbols of protection and healing. A third shows a Black child playing the violin as sparrows fly out of a broken vase.

These works are part of *The People's heART*, a physician-led art program that works with local, national,



This mural, called *Dofia Patricia* by Everisto Anguilla, is located in Lynn, Massachusetts. A large print of the mural now hangs in one of MGH's community health

# Optimization

- Based on feedback
- More patient voices & stories
- New resources identified in the learning initiative
- Usage data
- New learnings
- General content improvement

# Additional Support



**CMQCC**  
California Maternal  
Quality Care Collaborative

Office Hours will be the first Wednesday of the month, 1- 2 p.m.

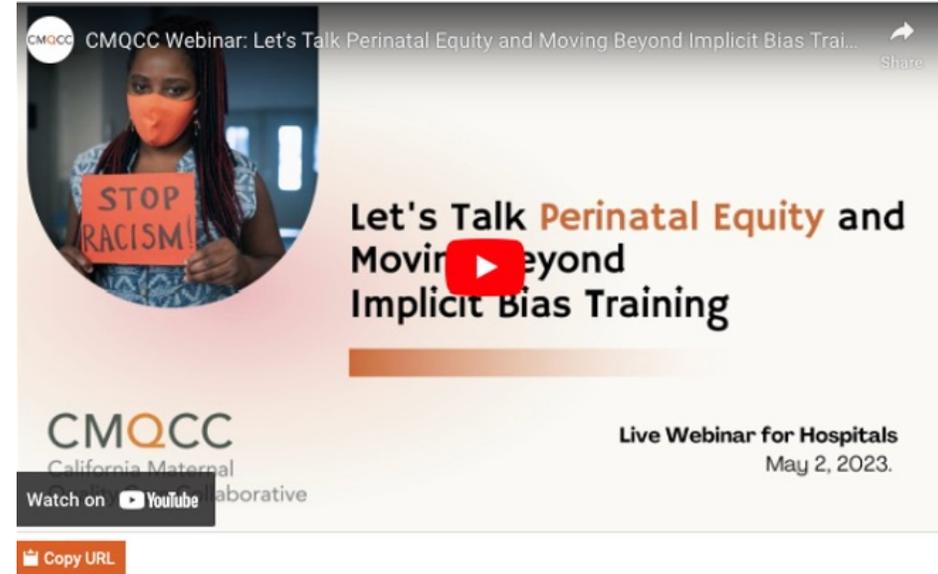
Register today by scanning the QR or using the link:

<https://tinyurl.com/equityofficehours>



## CMQCC Equity Hospital Action Guide Open Office Hours for California Hospitals

Clinical team members will host monthly office hours to support California hospitals as they engage with the *Hospital Action Guide for Respectful & Equity-Centered Obstetric Care*



Low Dose Aspirin Campaign Webinar Series - Discussing Risk Respectfully

[Recorded Webinar\(link is external\)](#) and [slide set](#)

Presented by: Amanda Williams, MD, MPH; Melinda Kent, MSN-Ed, RNC-OB, C-EFM, C-ONQS; Lindsay du Plessis, DrPH, MPH; Emily McCormick, MPH, RNC-MNN, C-ONQS, IBCLC, CMQCC. 12/7/23

Let's Talk Perinatal Equity Webinar Series for California Hospitals

November Topic: Patient Experience Baseline Assessments & Respectful Care

[Recorded Webinar\(link is external\)](#) and [slide set](#)

Presented by: Kim Gregory, MD, MPH; Sharilyn Kelly, DNP, MSN/MSHA, RN, NE-BC, C-ONQS, RNC-OB; Terri Deeds, RN, MSN, NE-BC, C-CONQS; Amanda Williams, MD, MPH, FACOG; Christa Sakowski, MSN, RN, C-ONQS, C-EFM, CLE. 11/15/23

The Role of Community Birth in Improving Outcomes: Insights, Strategies, & Tools for an Integrated Care Continuum

[Recorded Webinar\(link is external\)](#) and [slide set](#)

Presented by Facilitator: Holly Smith, MPH, CNM, FACNM. Presenters: Silke Akerson, MPH, CPM, LDM, Blair Dudley, MPH. Panelists: Melissa Denmark, LM, CPM, Kimberly Durdin, LM, CPM, IBCLC, and Madeleine Wisner, LM, RM, IBCLC. 10/25/23

Partnering with Doulas to improve Perinatal Outcomes

[Recorded Webinar\(link is external\)](#) and [slide set](#)

Presented by Holly Smith, CNM, MPH, FACNM; Michelle Sanders, CD, CLEC; Ann Fulcher, CD, CLE. 8/30/2023

Let's Talk Perinatal Equity Webinar Series for California Hospitals

August Topic: Tools to Get Started

[Recorded Webinar\(link is external\)](#) and [slide set](#)

Presented by Terri Deeds, RN, MSN, NE-BC, C-CONQS; Amanda Williams, MD, MPH, FACOG; Kendra L. Smith, Ph.D., MPH; and Christa Sakowski, MSN, RN, C-ONQS, C-EFM, CLE. 8/24/2023

Tackling the midwife question: What is midwifery integration and why is it important for moms and birthing people in California? [Webinar\(link is external\)](#) and [slide set](#)

Presented by Holly Smith, CNM, MPH, FACNM, Sue Baelen, LM, CPM, Eva Goodfriend-Reaño, CNM, WHNP, IBCLC, Mimi Niles, PhD, MPH, CNM/LM; 5/9/2023.

Let's Talk Perinatal Equity and Moving Beyond Implicit Bias Training

May Topic: CMQCC's equity-centered initiatives

[Recorded Webinar\(link is external\)](#) and [slide set](#)

Presented by Christina Oldini, RN, MBA, CPHQ; Amanda Williams, MD, MPH, FACOG; Kendra L. Smith, Ph.D., MPH; Rev. Dr. Candace Kelly, D.Min., M.Div., BCC, GC-C; Leslie Kowalewski, 5/2/2023

**Thank You!**  
We Look Forward to Your Questions & Feedback



**CMQCC**

California Maternal  
Quality Care Collaborative

**Follow us!**

**Facebook | Instagram | X | LinkedIn**



Family & patient  
perspective and  
touch on patient  
advocacy

Mia Malcolm

# Racial Inequities in Maternal Health Outcomes: The Role of the OB Closures



Alecia J. McGregor, Ph.D  
CPQCC Conversation Circle  
January 24, 2024

# Motivation

- The U.S. is in a maternal health crisis
  - Staggering racial inequities
  - Rising mortality & morbidity
- Widespread loss of obstetric units across U.S.
- CDC, 2022: Over 80% of pregnancy related deaths are preventable

# Alarming loss of OB units nationwide

Between 2002 and 2013, more than 10% of all hospital OB Units closed (Hung 2017)

Via full closure of hospital, or closure of the OB department only.

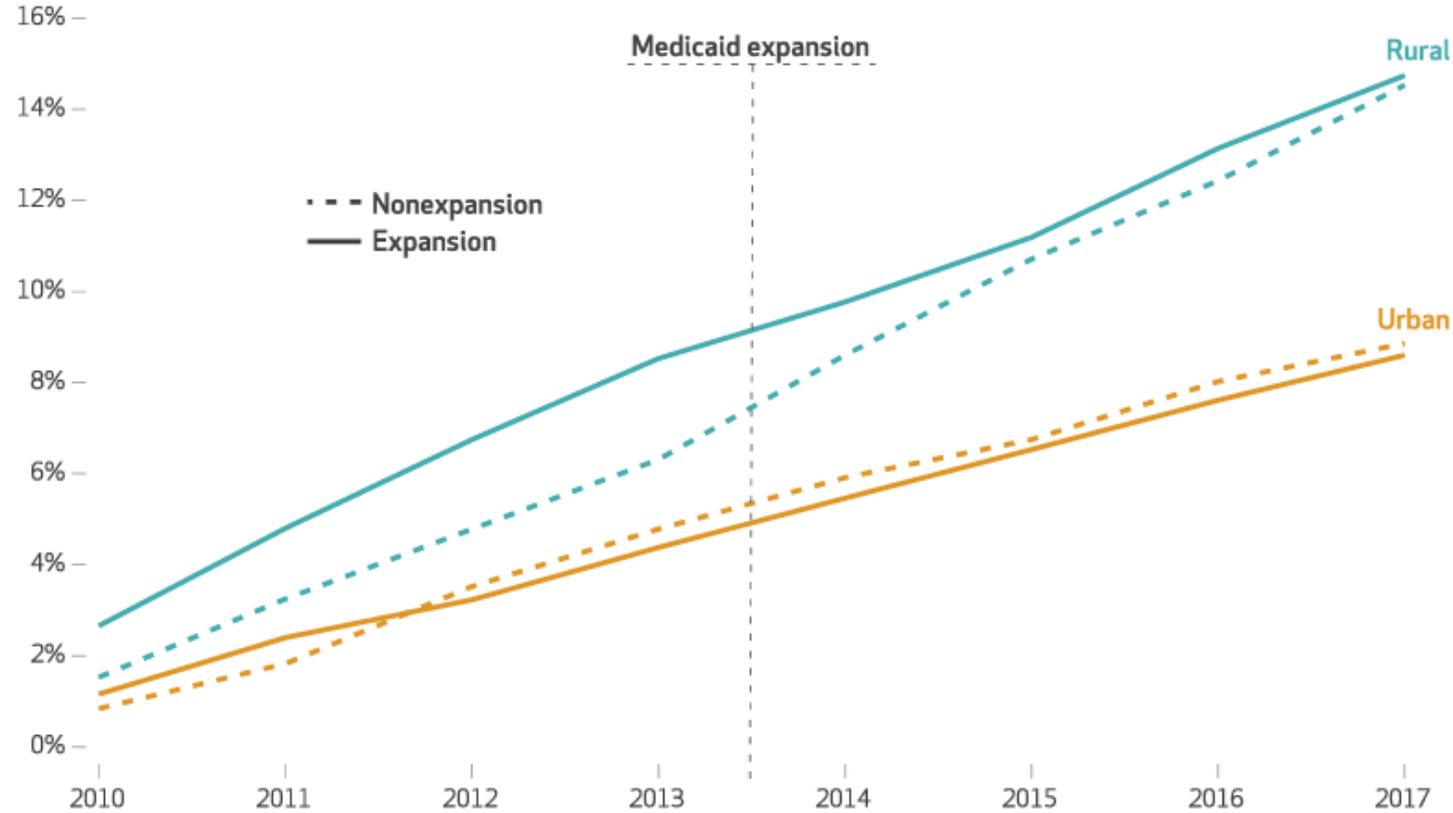
Urban and rural communities affected



**EXHIBIT 3**

**Unadjusted trends in rural and urban obstetric unit closure, by Medicaid expansion status, 2010-17**

Cumulative obstetric unit closure percentage



**SOURCE** Authors' analysis of data from the American Hospital Association, the Centers for Medicare and Medicaid Services, and the Census Bureau. **NOTES**  $n = 23,338$ . Sample includes obstetric hospitals, defined as hospitals providing obstetric services in at least one preexpansion year. Rural and urban groups are based on county-level designations from the Office of Management and Budget.

Carroll, C., Interrante, J. D., Daw, J. R., & Kozhimannil, K. B. (2022). Association Between Medicaid Expansion And Closure Of Hospital-Based Obstetric Services: *Health Affairs*, 41(4), 531-539.

# In California, trend is accelerating...

Since 2012, at least 46 maternity wards have closed in California  
(CalMatters, 2023)

27 of the closures occurred in the last three years

CA has seen a 21.7% decrease in the number of birthing hospitals between  
2020 and 2019 (March of Dimes, 2023).



Health

# As California maternity wards close, preterm birth rate rises

By [Katie Hyson](#) / Racial Justice and Social Equity Reporter

Contributors: [Carlos Castillo](#) / Video Journalist

Published August 14, 2023 at 5:57 PM PDT



# Why are maternity wards closing?

## OB units more vulnerable to closure due to:

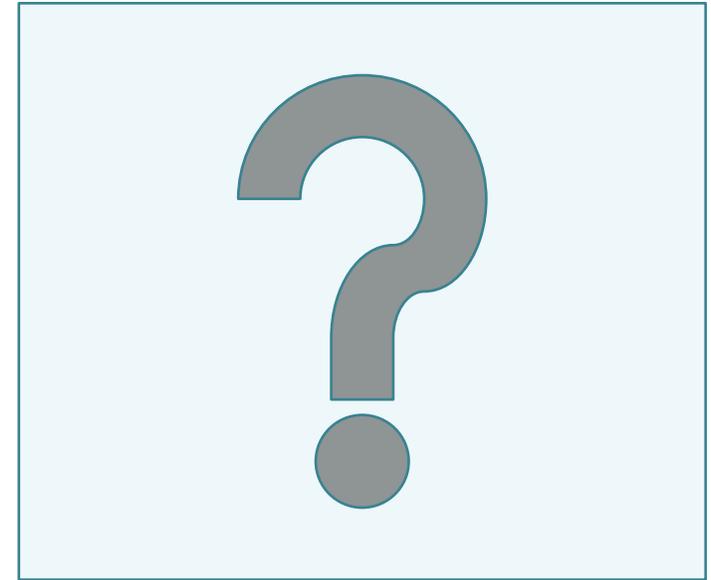
- High costs
  - *High equipment and staffing costs*
  - *Malpractice insurance costs for OB-GYNs*
    - Lower volume of OB-GYNs
- Lower reimbursement rates
  - *Face a wide spectrum of payers, including Medicaid and uninsured patients*
- Declining birth volume and staff recruitment issues



Illustration: Annelise Capossela/Axios

# What are the implications?

- **Prolonged travel time**
  - Delays at the time of delivery, and for pre-natal and postpartum care
- **Added burden for remaining OB Units**
  - Sharp increases in delivery volume
- **Greater risks for complications**
  - Especially for high-risk pregnancies
  - Time- sensitive outcomes
- **Worse health outcomes**
- **Higher costs for patients, families & the health care system**



# Racial inequities & OB Closure

## Likelihood of OB Unit loss

- Counties with a greater % of Black women of reproductive age have higher odds of losing OB care than their white counterparts (Hung et al 2017)

## Outcomes

- Adverse infant health outcomes among Black women (VLBW, Low APGAR score) (Chatterji 2023)

## Outcomes & Quality of Care

- Remaining OBs saw a spike in birth volumes and a shift in patient mix (Lorch 2014)
- Perinatal and neonatal outcomes worsened in the immediate aftermath of closures in PA county (Lorch 2013)

# New Jersey

- Between 1992 and 2014, 26 acute care hospitals closed in the state of New Jersey
- No remaining maternity wards in Trenton, NJ
- Striking levels of economic inequality and stark patterns of racial residential segregation
- Relatively wealthy – among top ten states in per capita income
- Among the worst ranked states when it comes to maternal health outcomes





AMERICA'S  
**HEALTH  
RANKINGS**<sup>®</sup>  
UNITED HEALTH FOUNDATION

**30 YEARS**



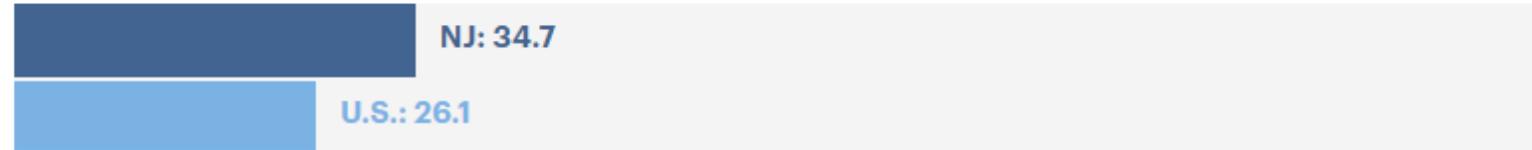
LEARN



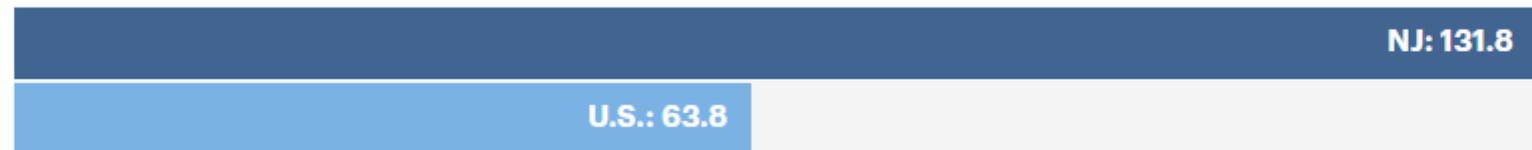
EXPLORE

## RACE/ETHNICITY

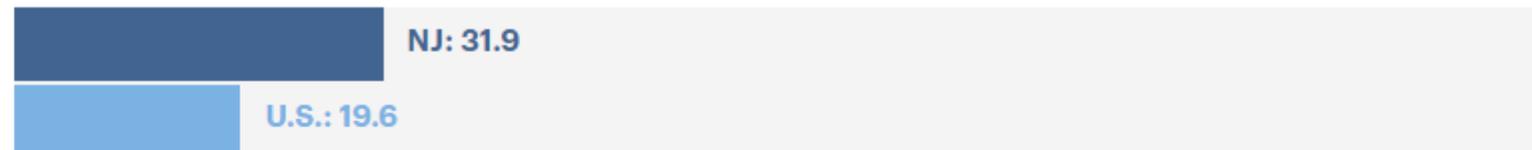
### Maternal Mortality - White



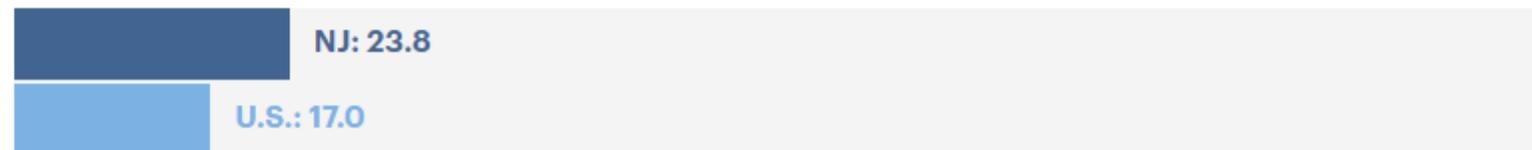
### Maternal Mortality - Black



### Maternal Mortality - Hispanic



### Maternal Mortality - Asian/Pacific Islander



Deaths per 100,000 live births

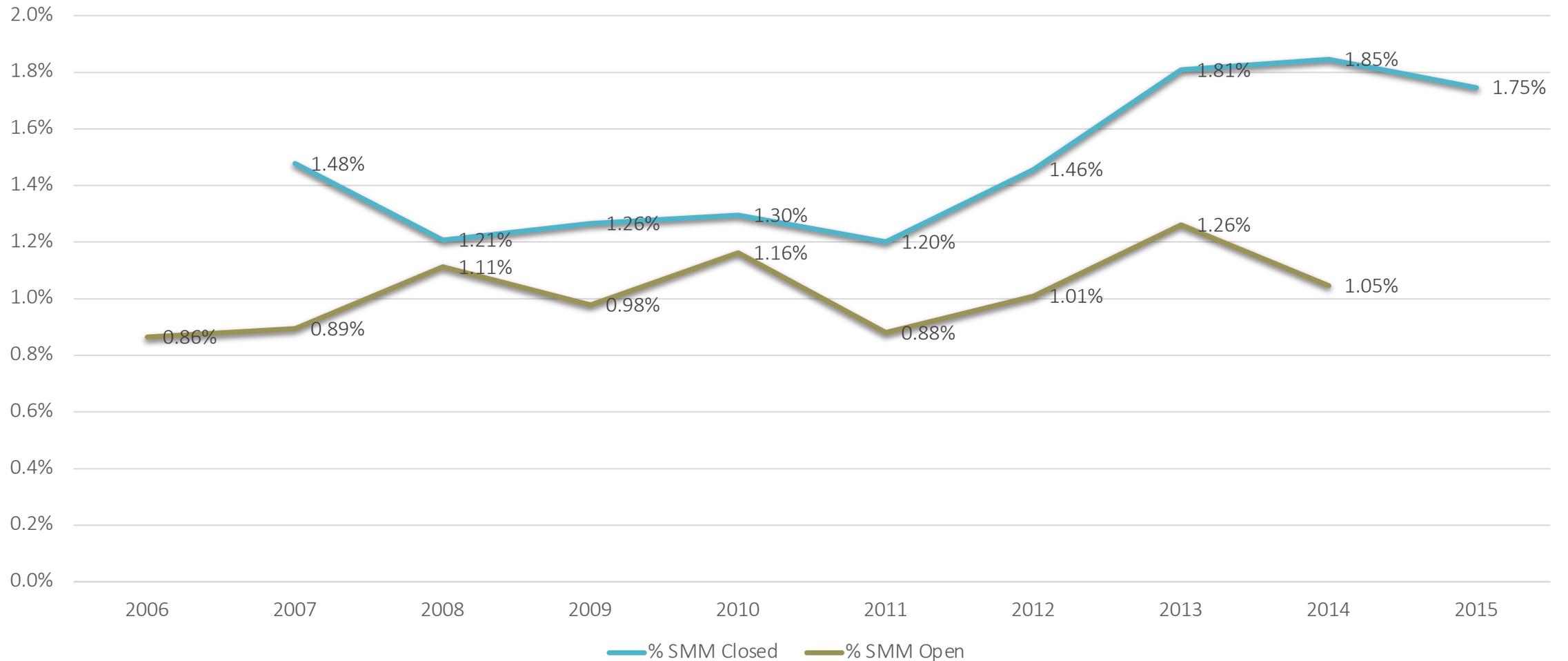
Data Source & Year(s): CDC WONDER Online Database, Mortality files, 2013-2017

Source: [www.americashealthrankings.org](http://www.americashealthrankings.org)

# Findings: OB closures & SMM in NJ

- The loss of closest OB is significantly associated with patient SMM.
- SMM rates explained by hospital level characteristics (Black-serving OB)
- SMM increasing between 2006 and 2015
  - a low of .9% to a high of 1.75%
- Black - White gap in SMM is persistent
  - Hispanic- White gap emerges

## %SMM in Deliveries Pre-Closure and Post-Closure of Nearest OB Unit, 2006 - 2015



# Washington, DC

- *4 out of 9 - Maternity wards have closed in the last two decades.*
- *Leaving the only hospital obstetric units in NW- the most affluent section of the District.*
- *White households in DC have a net worth that is 81 times greater than Black households*



# Washington, DC

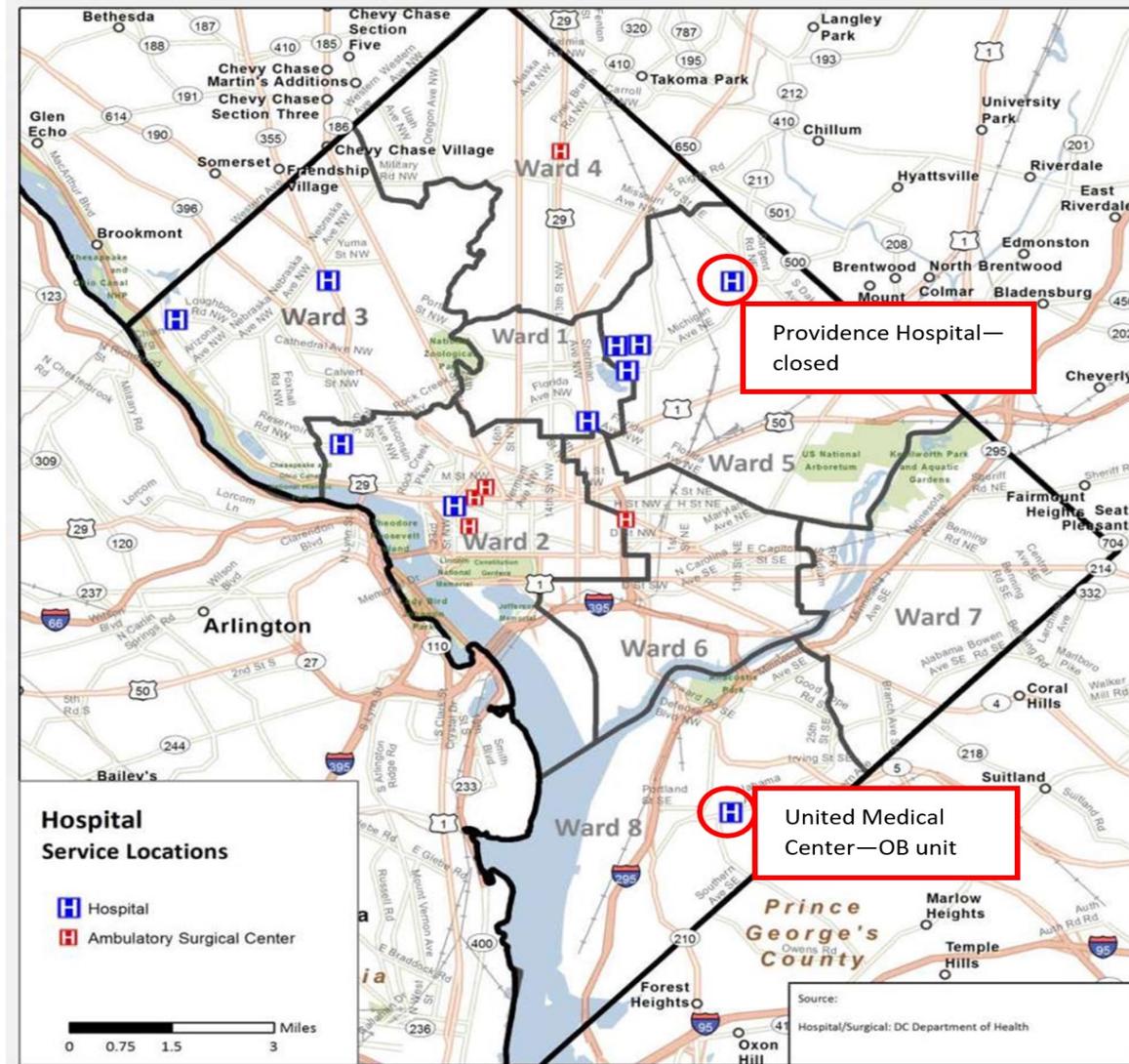
Washington, DC's maternal mortality rate (36/100,000 births in 2018) is almost twice the national rate (20.7)

Black people made up 90% of all pregnancy related deaths between 2014 and 2018 (DC Maternal Mortality Review Committee, 2022).

Rate for Black birthing people was 70.9/100,000 compared to national Black MMR rate of 47.2/100,000



# DC Hospitals by Ward



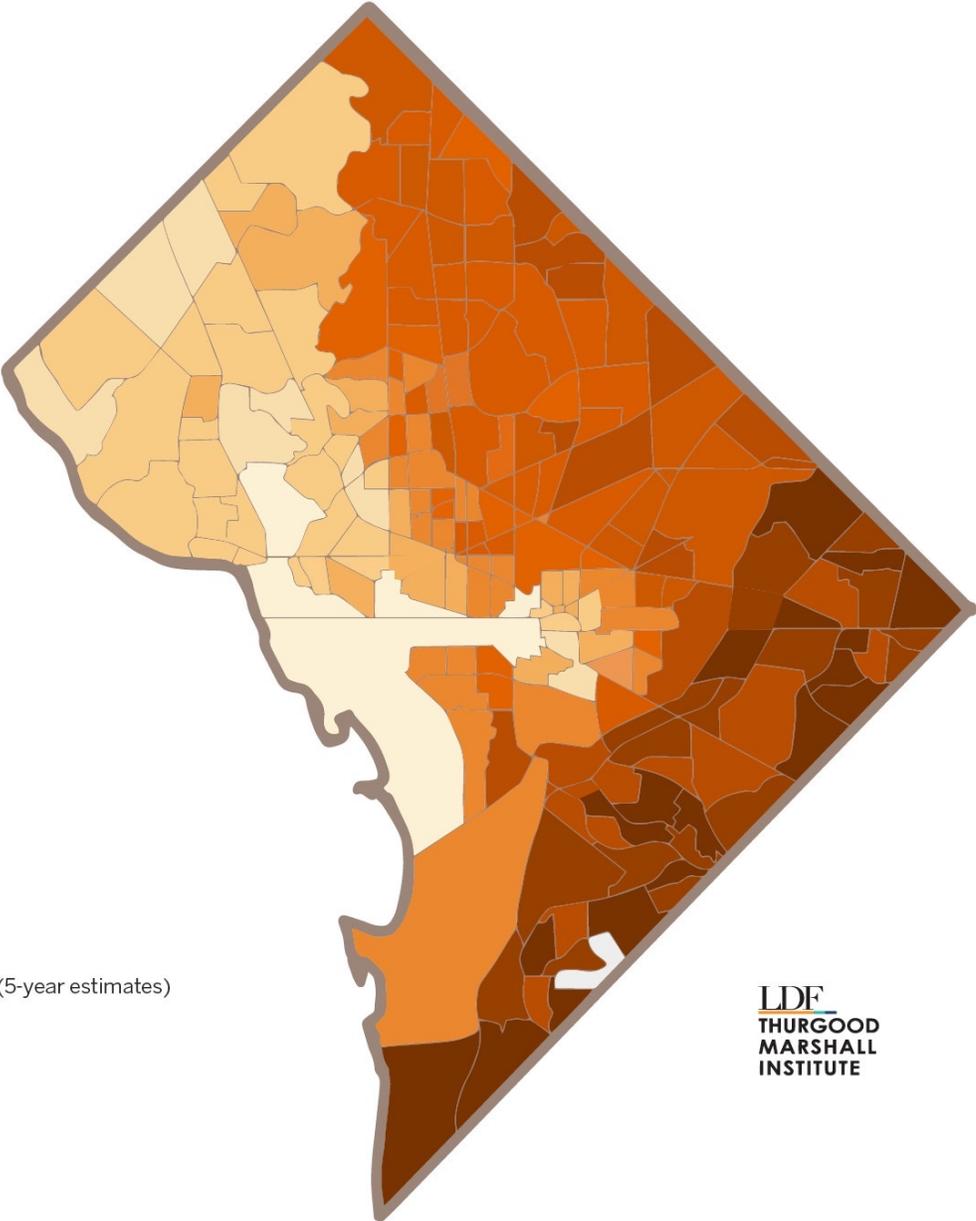
**FIGURE 3.**

### Racial Demographics of Washington, DC, Neighborhoods

Percentage of Black residents by census tract in Washington, DC

- Insufficient data
- < 1%
- 1%-5%
- 5%-10%
- 10%-15%
- 15%-30%
- 30%-40%
- 40%-60%
- 60%-75%
- 75%-90%
- 90%-95%
- > 95%

Source: American Community Survey 2019 (5-year estimates)



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# Emerging themes

Severe Capacity Constraints in DC System: Shortage of OB Beds, Birthing Rooms, and Maternity Care Staff.

Labor & Delivery Departments on Diversion compromising access and safety for birthing patients. Patients arriving via ambulance are more vulnerable.

Fragmentation of Care: Patients report seeing several different providers throughout their pregnancy, compared to pre-COVID experience.

Parking Costs & Availability: reported as major barrier to access at some DC OB hospitals.

Gentrification and Development perceived as driver of closure and hospital openings across DC.

# Implications & Lessons Learned

- Broad support for community-based care that consists of a mix of birthing centers and home births (for low-risk candidates) & hospital-care.
- Doula support helpful to navigating constrained system.
- Need to enforce EMTALA laws, to reduce frequency of patients diverted in active labor.
- Financial support for parking and ride share services is a simple and low-cost measure to reduce risk for birthing patients.

# Q & A

Thank You!

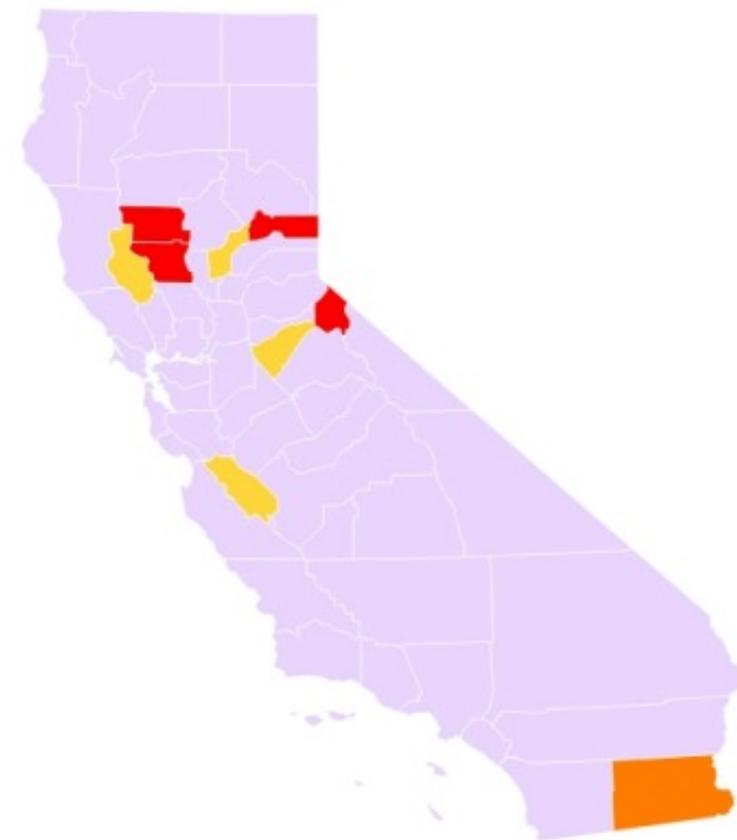
[amcgregor@hsph.harvard.edu](mailto:amcgregor@hsph.harvard.edu)

# ACCESS TO MATERNITY CARE IN CALIFORNIA

Access to care during pregnancy and around the time of birth is not consistently available across the country. Hospital closures and a shortage of providers are driving changes in maternity care access, especially within rural areas and among Black, Indigenous, and people of color (BIPOC).<sup>3</sup> The level of maternity care access within each county is classified across California by the availability of birthing facilities, maternity care providers, and the percent of uninsured women (see table). The map shows that in California, 6.9 percent of counties are defined as maternity care deserts compared to 32.6 percent of counties in the U.S. overall.

## FINDINGS

- In California, there was a 21.7% decrease in the number of birthing hospitals between 2020 and 2019.
- In California, there were 674 babies born in maternity care deserts, 0.2% of all births.
- 0.6% of babies were born to women who live in rural counties, while 0.4% of maternity care providers practice in rural counties in California.



A photograph of a male doctor with glasses and a white lab coat using a stethoscope on the belly of a smiling pregnant woman in a light blue denim shirt. The scene is set in a bright, clinical environment. A large purple and teal geometric graphic is overlaid on the left side of the image.

# The role of community organizations and importance of connections

Valencia Walker,  
MD, MPH

# ***How Community Organizations Can Play a Key Role***

***CPQCC IP23 Conversation Circle #3:  
Addressing the Maternal Mortality Crisis***

**January 24, 2024**

**Valencia P. Walker, MD, MPH, FAAP (She/Hers)**

**President, Board of Directors**

**Birthing the Magic Collaborative**

 [hello@birthingmagic.org](mailto:hello@birthingmagic.org)

**X @DrV\_NeoMD**

# Disclosures

# No Disclosures

# ADDRESSING DISPARITIES: THE SCIENCE BEHIND WHAT WE DESERVE

## Recent Study: "Communication Barriers in Prenatal Care" for People of Color



- A dedicated team of researchers conducted a comprehensive analysis
  - Key Themes Identified
    - Racism and Discrimination
    - Unmet Information Needs
- Impact on Communication
  - Discrimination complicates communication, especially for Black birthing people
  - Providers may overlook vital details and fail to address concerns
- Urgent Need for Intervention
  - Study highlights a concerning trend in prenatal care communication
  - Emphasizes the critical role of interventions

Study underscores the significance of proactive initiatives



*Birthing the Magic*  
COLLABORATIVE



## ABOUT US

Birthing the Magic Collaborative is a culturally attuned and responsive community that provides free virtual education on pregnancy, birth, and infant care.

## OUR OBJECTIVE

To empower melanated mamas and those who care for them with comprehensive knowledge within a supportive and inclusive environment.

Our village seeks to integrate education with community support seamlessly.

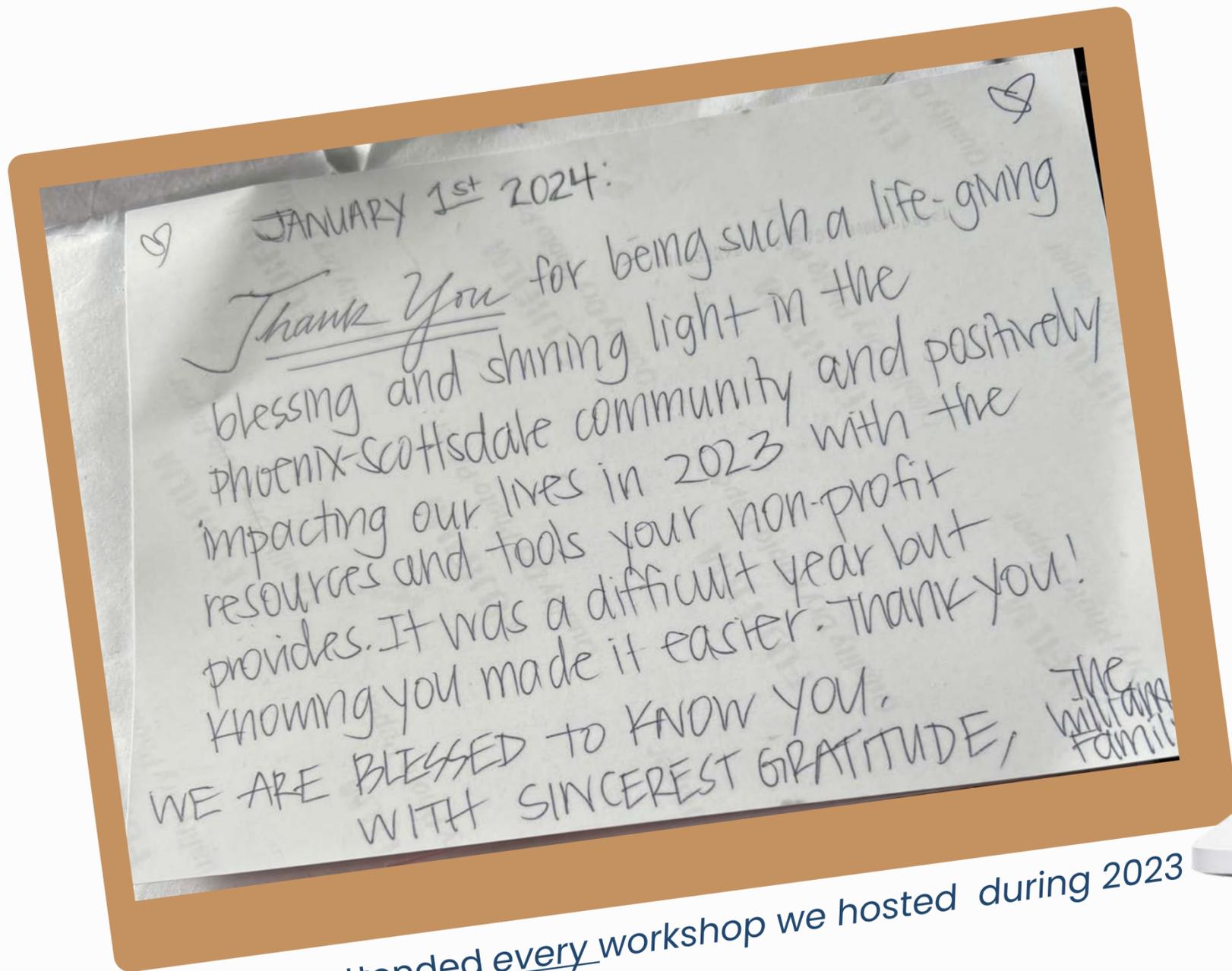
*Birthing the Magic*  
COLLABORATIVE

# CELEBRATING SUCCESS AND ACKNOWLEDGING CHALLENGES

- Celebrating Success and Positive Outcomes:
  - Since our launch nine ( 9) months ago, we have had over 1100 unique workshop registrations.
    - Most registrants attend at least three (3) workshops
    - On average, approximately 30% of workshop attendees are healthcare providers
    - Registrants hail from all over the United States
  - Effective Learning & Behavior Change:
    - Post-workshop surveys reveal registrants' learning and tangible behavior changes
  - .
- Expertise of Workshop Speakers:
  - Our speakers bring extensive knowledge and experience, holding esteemed positions within their respective professions.
    - Recognized as authorities in their fields, they contribute valuable insights to elevate the quality of our educational content.



# VOICES FROM THE COMMUNITY



This mama attended every workshop we hosted during 2023

So, I had all the stuff that doc said could cause preeclampsia. I had asked him (her doctor) about the baby aspirin, and he was like, 'We'll keep an eye on it.' But then I showed him what you were talking about and who that speaker was and I was like, 'Hey, you are not as important as she is!' ROTFL And he was cool about it and put me on the baby aspirin. He said Just in case."

Hope Is Not A Plan: Preventing Preeclampsia  
Workshop held during our virtual Maternal Health Fair  
Black Maternal Health Week 2023  
Dr. Cynthia Gyamfi-Bannerman  
Dr. Valencia P. Walker

# ACKNOWLEDGING CHALLENGES



Secure adequate funding for sustaining and expanding our impact.

Growing Awareness





## CONTACT US

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Follow Us!



# Q&A Panel Discussion

Moderated by:

Valencia P. Walker, MD, MPH

Vice Dean of Health Equity and Inclusion,  
Geisinger Commonwealth School of  
Medicine

# CLOSING

# Evaluation of Today's Session

- Please fill out an evaluation of today's session
- We'd like to hear feedback from all of you
- **For those requesting RN-CE credit, an evaluation is due by February 15th**
- The Perinatal Advisory Council: Leadership, Advocacy and Consultation (PAC/LAC) is an approved provider by the California Board of Registered Nursing Provider CEP 5862
- Please contact Courtney Breault ([courtney@cpqcc.org](mailto:courtney@cpqcc.org)) with any questions related to the RN-CE credits, grievances, or in order to request accommodations for disabilities



Scan the QR code or click on the link provided in the chat to submit an evaluation of today's session. *Required for RN-CE credit.*

CPQCC