

Learning Objectives

- 1. Describe 1 or more trends in perinatal care impacting maternal and infant health.
- 2. Identify 1 or more strategy for fostering multidisciplinary collaboration in maternal and infant health QI.

Tampa Bay Times

FLORIDA'S BEST NEWSPAPER



**** Sunday, August 28, 2022 | \$3

U.S. Has The Worst Rate Of Maternal Deaths In The Developed World

May 12, 2017 - 10:28 AM ET

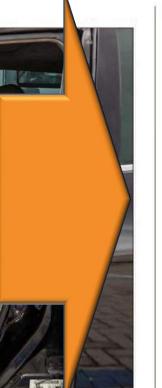
NINA MARTIN, PROPUBLICA





The story of Lauren Bloomstein illustrates a disparity in our nation's health care system, where primary focus is given to newborn babies, but often ignores the mothers.

Courtesy of the Bloomstein Family



Photos by LAU REN WITTE | Times

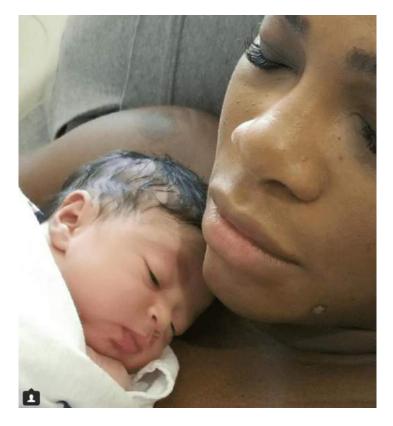
Maternal mortality crisis in **America**

Giving birth in the U.S. entails high risk. Biden's administration pushes to reverse that.

BY AKILAH JOHNSON The Washington Post

As part of a major push by the Biden administration to address the nation's maternal health crisis. senior officials have traveled the country for the past year, talking to midwives, doulas and people who have given birth about their experiences. They've held summits at the White House.

The result: an almost 70-page plan aimed at taking the United



HEALTH CARE DACESN AND DESCRIMINATION REPRODUCTIVE SIGHTS.

Serena Williams Could Insist That Doctors Listen to Her. Most Black Women Can't.

We can't solve America's maternal-health problem without first acknowledging how racism harms black moms.

By Elizabeth Dawes Gay





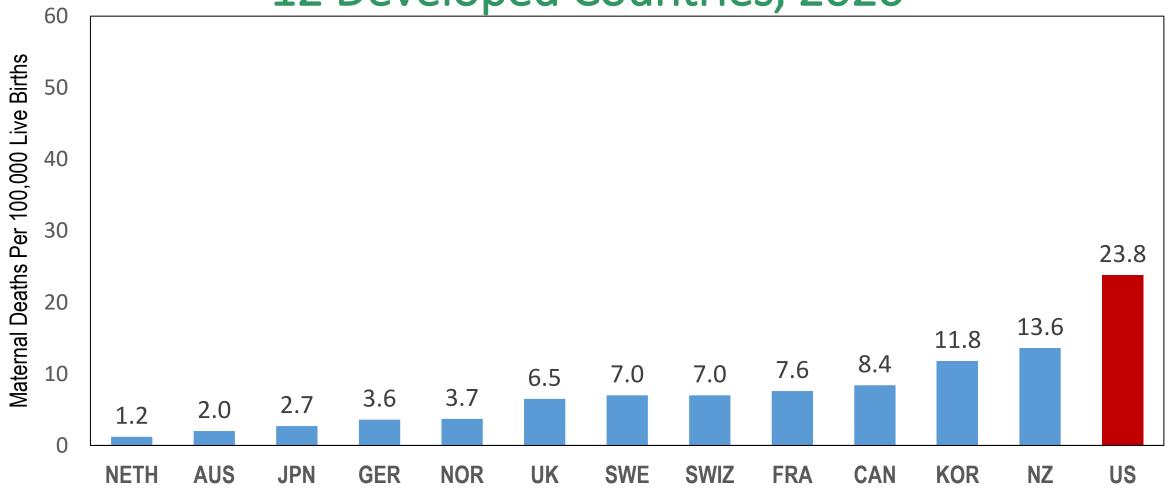
OB/Gyn > Pregnancy

Black Doctor Dies After Giving Birth, Underscoring Maternal Mortality Crisis

- Tragedy shows racial disparities in pregnancy outcomes aren't solely based on access to care

by Amanda D'Ambrosio, Staff Writer, MedPage Today November 2, 2020

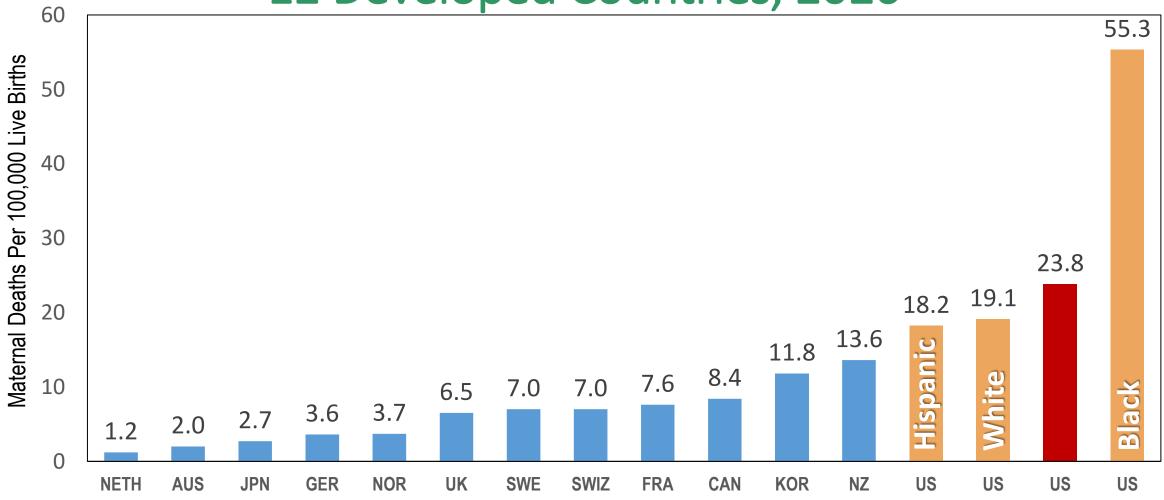
US. Maternal Mortality Ratio Compared to 12 Developed Countries, 2020



Source: The Commonwealth Fund, 2022



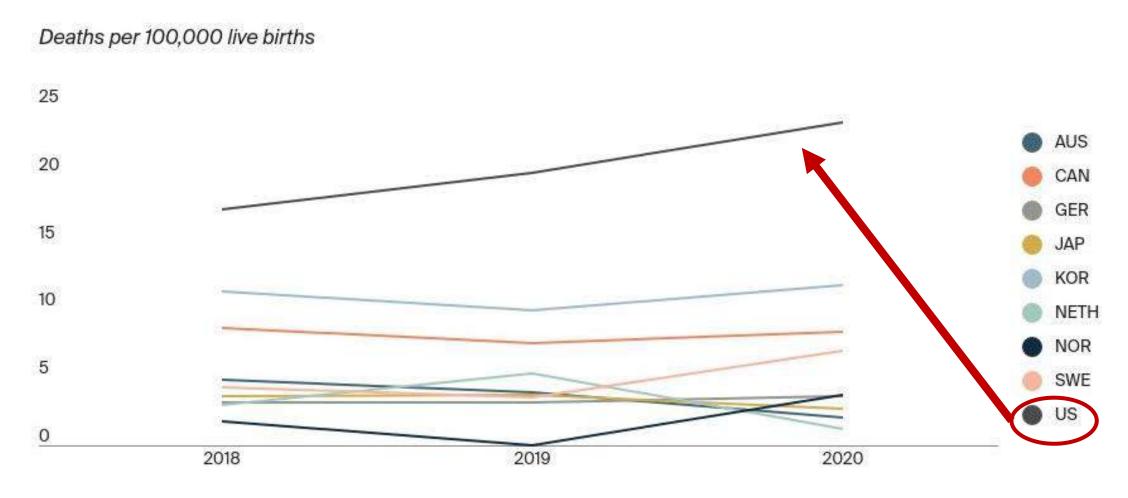
US. Maternal Mortality Ratio Compared to 12 Developed Countries, 2020



Source: The Commonwealth Fund, 2022



U.S. Maternal Mortality Rate Has Been Getting Worse over Time



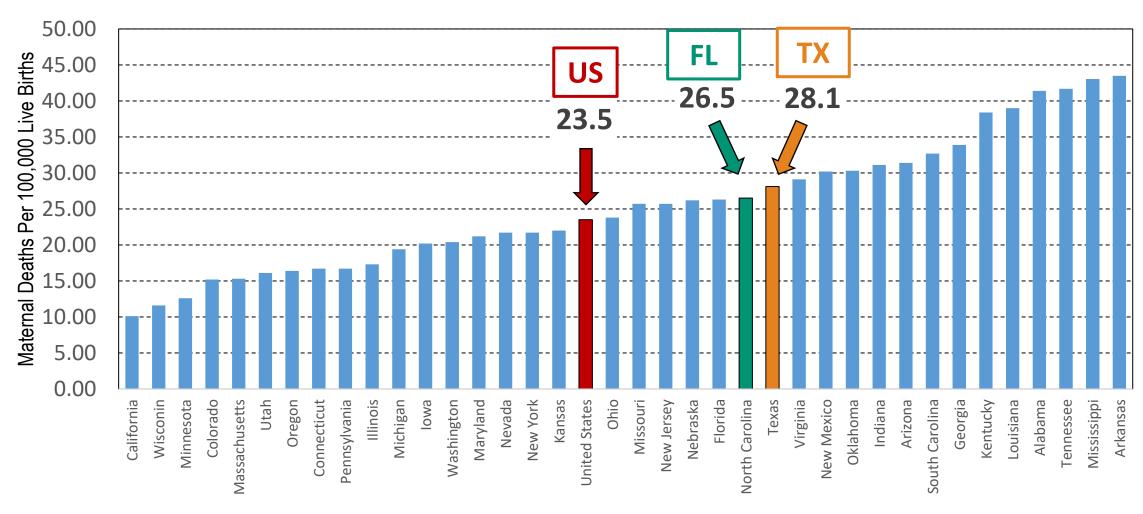
Source: Munira Z. Gunja, Evan D. Gumas, and Reginald D. Williams II, "The U.S. Maternal Mortality Crisis Continues to Worsen: An International Comparison," To the Point (blog), Commonwealth Fund, Dec. 1, 2022. https://doi.org/10.26099/8vem-fc65

US Health Rankings (13 Developed Countries)

Category	Country Rank	US	Leading Country	Median
Health Spending (2021)	1 of 12	\$10,921	\$2,625	\$5,242
Low Birthweight (2019)	1 of 11	8.3%	4.3%	6.4%
Infant Mortality (2020)	1 of 12	5.4 /1,000	1.8 /1,000	3.5 /1,000

Source: World Bank, OECD, WHO

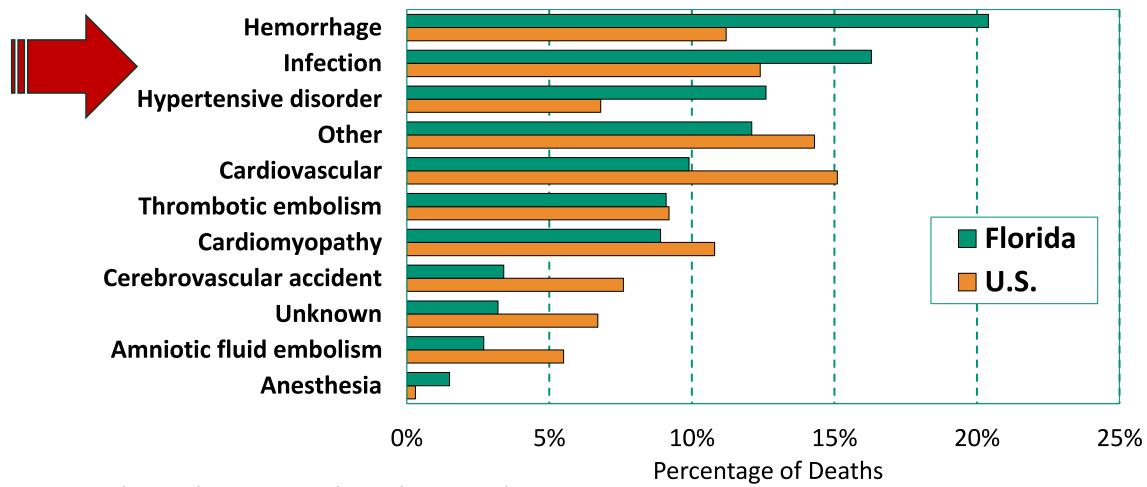
Maternal Mortality for 37 US States, 2018-21

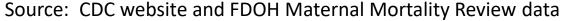


Source: National Center for Health Statistics, CDC (2023)



Pregnancy-Related Causes of Death U.S. (2011-15) & Florida (2008-17)







FL Maternal Mortality Review Committee Prevention Strategies

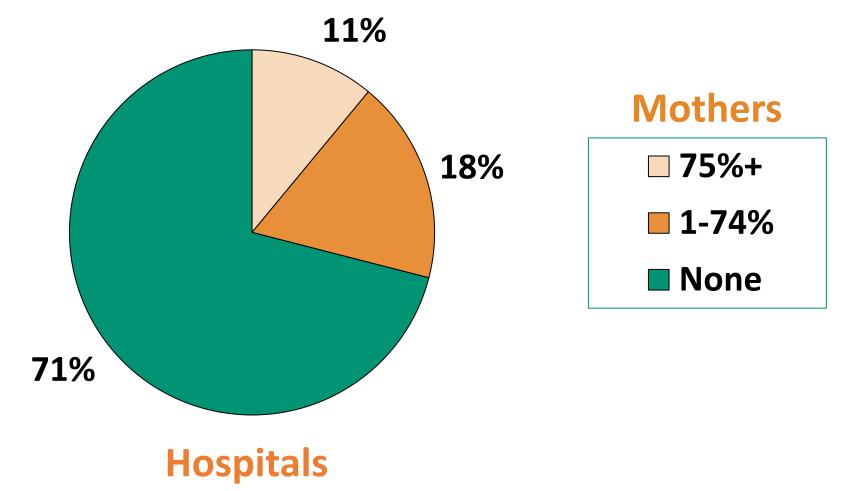
- State Presentations and Reports
- Organizational Newsletters
- Hospital Grand Rounds
- Journal Publications
- Hospital/Provider Letters
- Urgent Maternal Mortality Messages



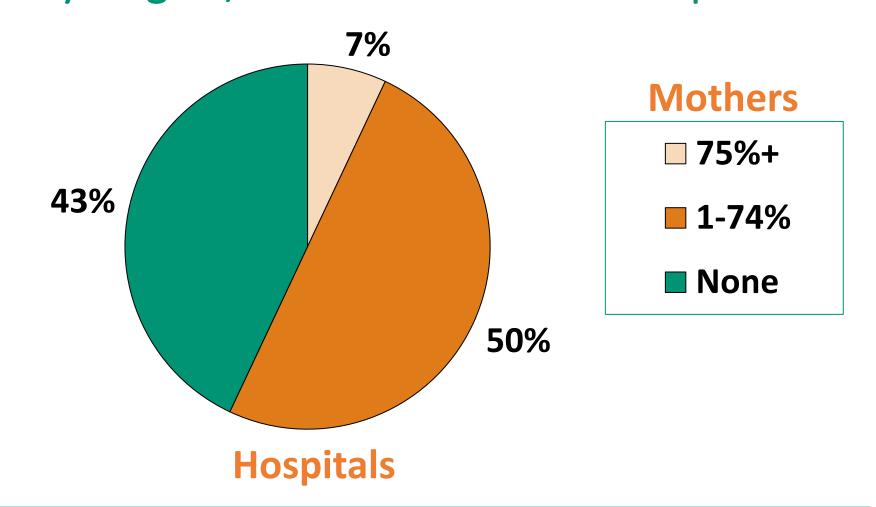




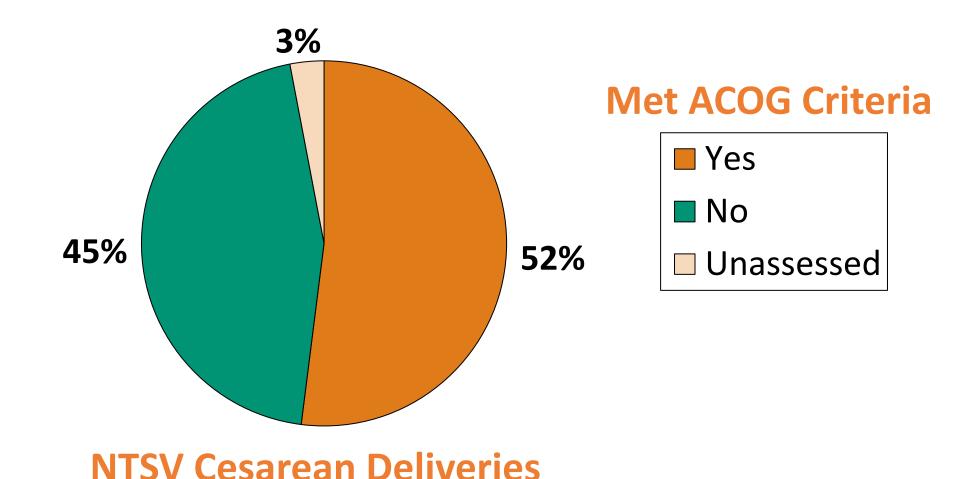
Mothers Assessed for Hemorrhage Risk at Admission July-August 2013, 31 FPQC OHI Hospitals



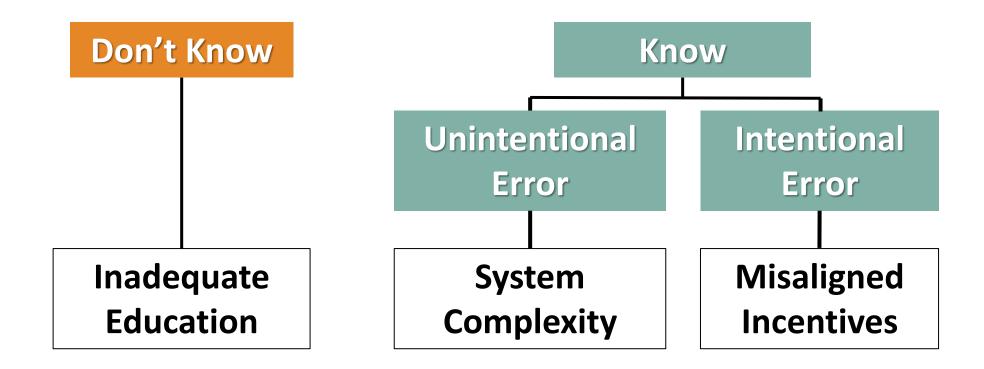
Percent Treated Within 1 hour with Acute Onset Maternal Hypertension July-August, 2015--32 FPQC HIP Hospitals



Percent of All Low Risk Cesarean Deliveries Performed that Met ACOG Criteria, July-Sept, 2019, 66 FPQC Hospitals

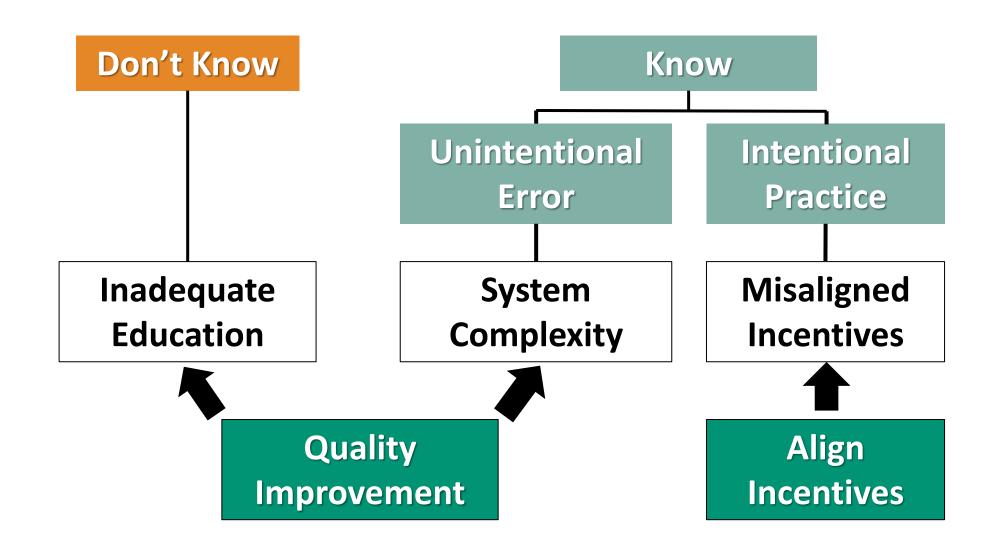


Why Not Follow Practice Guidelines?





Why Not Follow Practice Guidelines?





Quality Improvement

The Framework for QI

What are we trying to accomplish? **Plan** Do How will we know that a change is an improvement? Study Act What change can we make that will result in improvement?

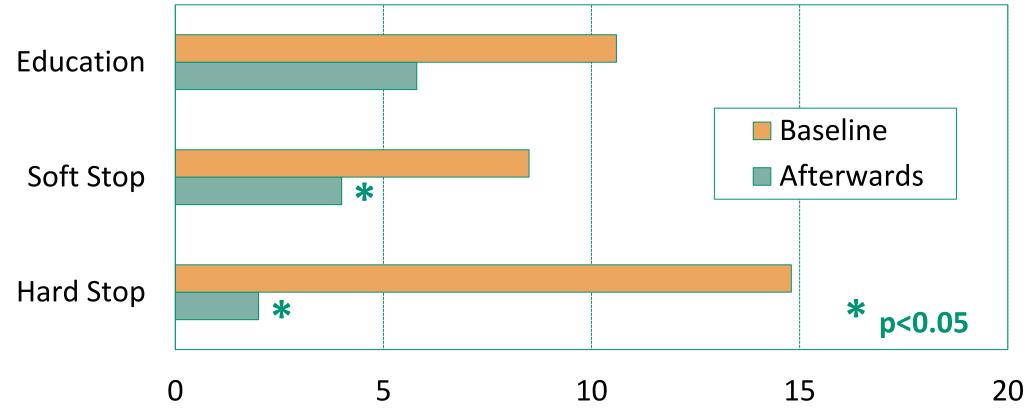
Source: Associates in Process Improvement: Model for Improvement





"Education is Not Sufficient"

Reduction in Early Elective Delivery by Approach, 2007-2009, HCA Hospitals

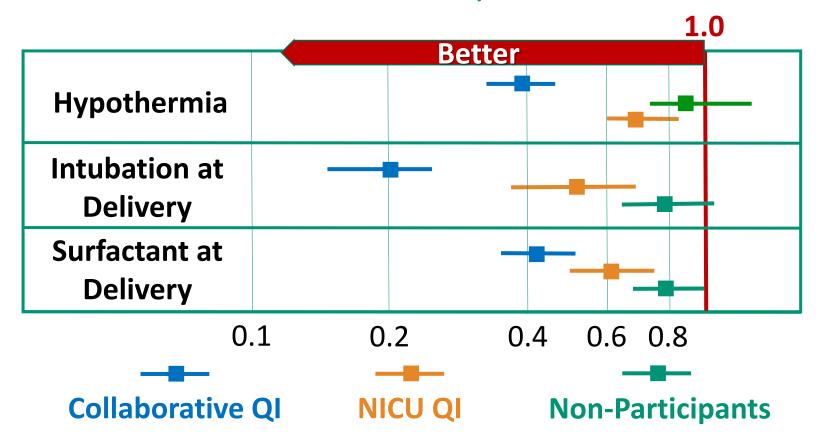


Percent of Elective Deliveries

Source: Clark, et. al. (2010) Reduction in elective delivery at <39 weeks of gestation: comparative effectiveness of 3 approaches to change and the impact on neonatal intensive care admission and stillbirth. American Journal of Obstetrics Gynecology

"Participating in A Perinatal QI Collaborative Makes a Difference"

Adjusted Odds Ratios for Post-Intervention & Baseline Neonatal Resuscitation Initiatives, CPQCC NICUs



Source: Lee, et al. Implementation Methods for Delivery Room Management. Pediatrics 2014

"Participating Again in a Collaborative Makes a Difference"

Severe Maternal Morbidity Rates among Hemorrhage Patients by Hospital Category, CMQCC Hospitals

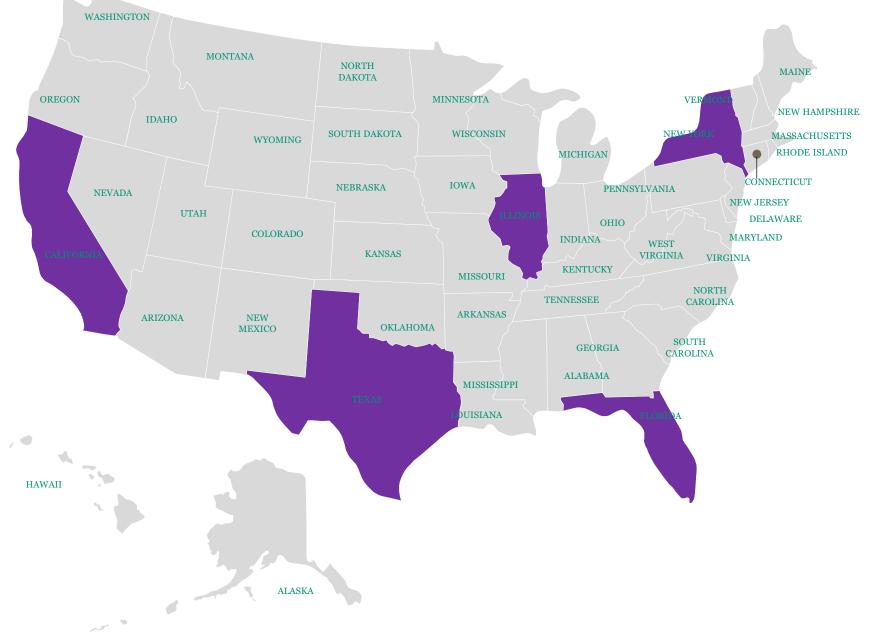
	Hospitals	Baseline Rate	Post Rate	Percent Reduction
Not participating	48	28.6	28.2	1.2%
No prior experience	74	22.7	19.2	15.4%
Prior experience	25	22.7	16.2	28.6%

Main EK, Cape V, Abreo A, et al., Reduction of severe maternal morbidity from hemorrhage using a state perinatal quality collaborative. Am J Obstet Gynecol 2017;216:298.e1-11.



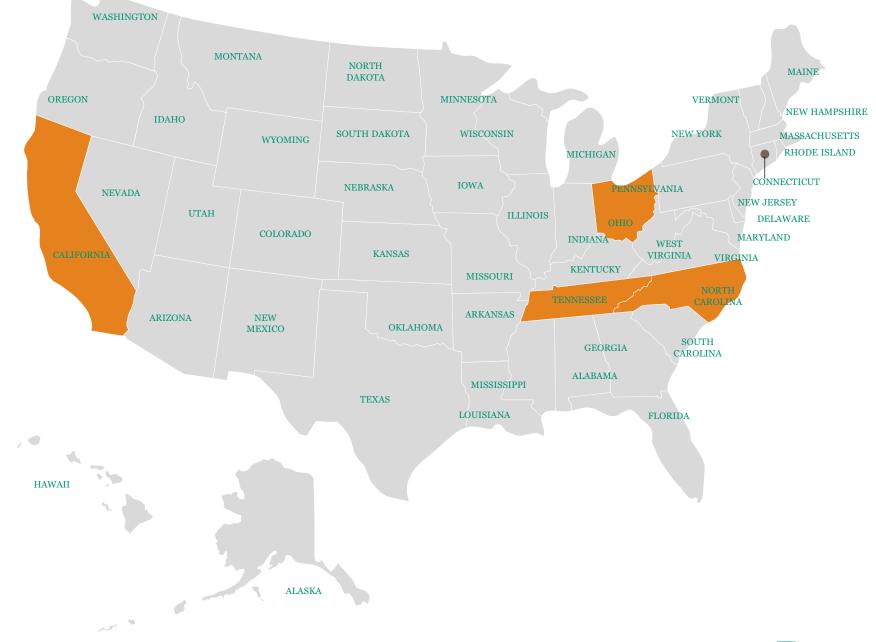


March of Dimes Big 5 State Initiative





Early State Perinatal Quality Collaboratives





Current FPQC Partners & Funders



















Florida Society of Neonatologists

Advancing the Care of Neonates in the Sunshine State

















FPQC's Vision & Values

"All of Florida's mothers, infants & families will have the best health outcomes possible through receiving respectful, equitable, high quality, evidence-based perinatal care."



- Voluntary
- Data-Driven
- Population-Based
 Value-Added

- Evidence-Based
- Equity-Centered



Florida PQC Starting Point

Challenges...

- Deregionalized perinatal system
- No regional perinatal nurses
- Weak hospital regulations
- State hosp. assoc. included~half of maternity hospitals
- New ACOG District
- Weak State Neonatal Society
- No prior NICU collaboration
- No perinatal QI leaders

Strengths...

- Unanimous multi-organizational support
- MMRC support
- MMRC/ACOG leaders became FPQC leaders
- March of Dimes grant

FPQC Initiative Resources

Monthly
Coaching Calls
with hospitals
state-wide

Online Toolbox

Algorithms, Sample protocols, Education tools, Competencies, Slide sets, etc.

Technical Assistance

from FPQC staff, state Clinical Advisors, and National Experts Educational sessions, videos, and resources

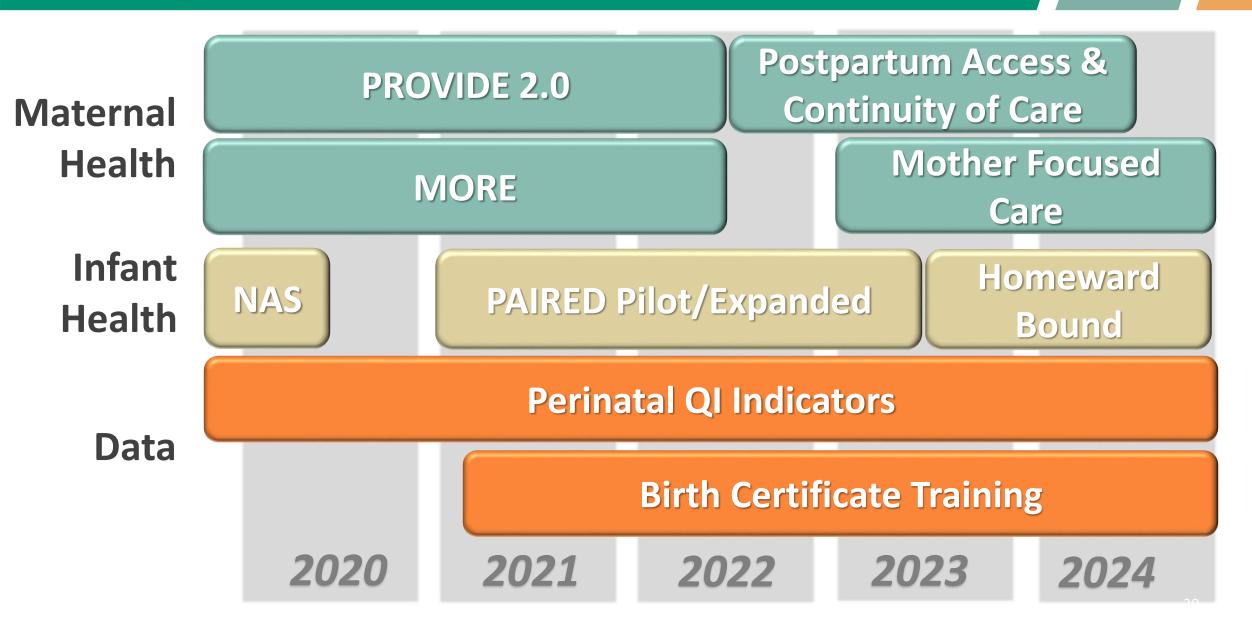
Initiative-wide collaboration meetings

Monthly and Quarterly QI Data Reports

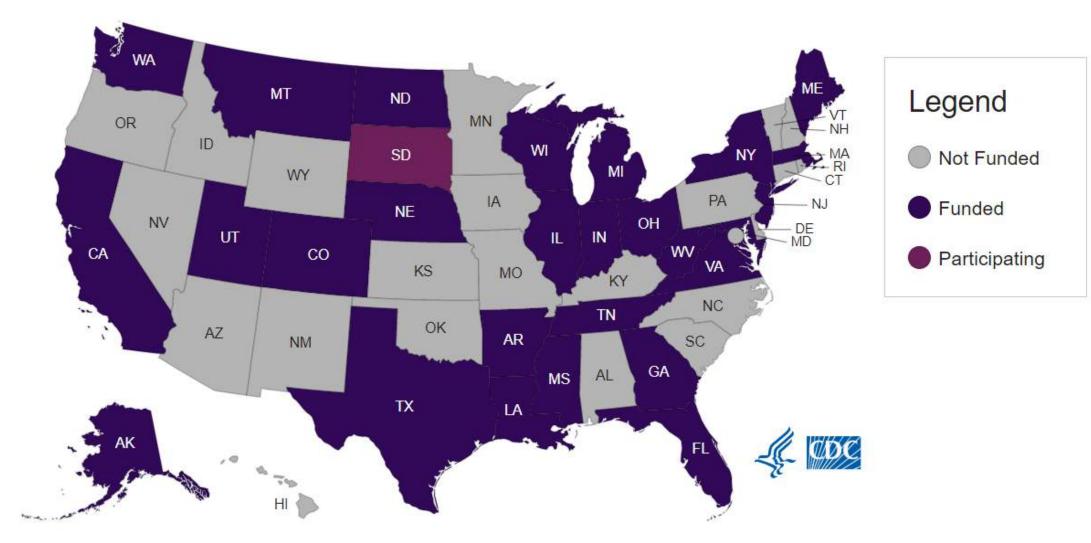
Regular E-mail Bulletins Custom, Personalized
webcam, phone, or on-site
Consultations & Grand Rounds
Education



FPQC Initiatives



CDC Funded State Perinatal Quality Collaboratives



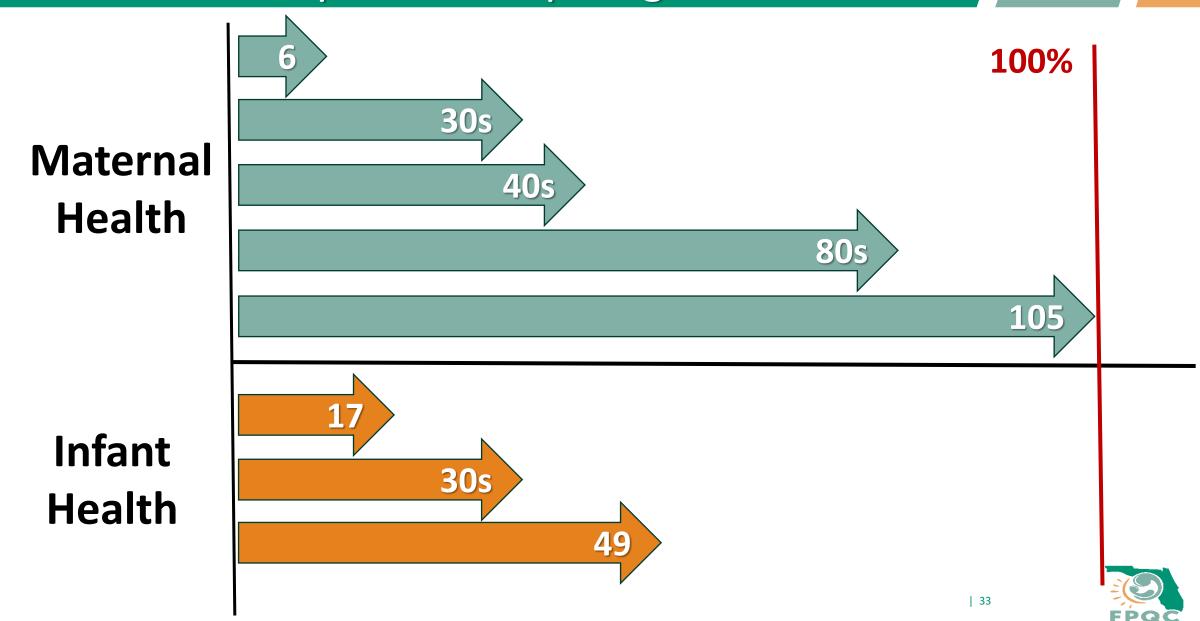


FPQC's Growth Strategy

1st 5-Year CDC Grant Focus (2016-2022)

- Assure FPQC quality in all QI initiatives and activities.
- Promote FPQC's quality through regional training sessions, organizational presentations and meeting scholarships.
- Learn thru interviews why hospitals did not sign up for initiatives after expressing some interest.
- Collaborate one-on-one with organizational partners to promote FPQC hospital participation.

Number of Hospitals Participating in FPQC



New Hospital Perinatal QI Participation Parameters

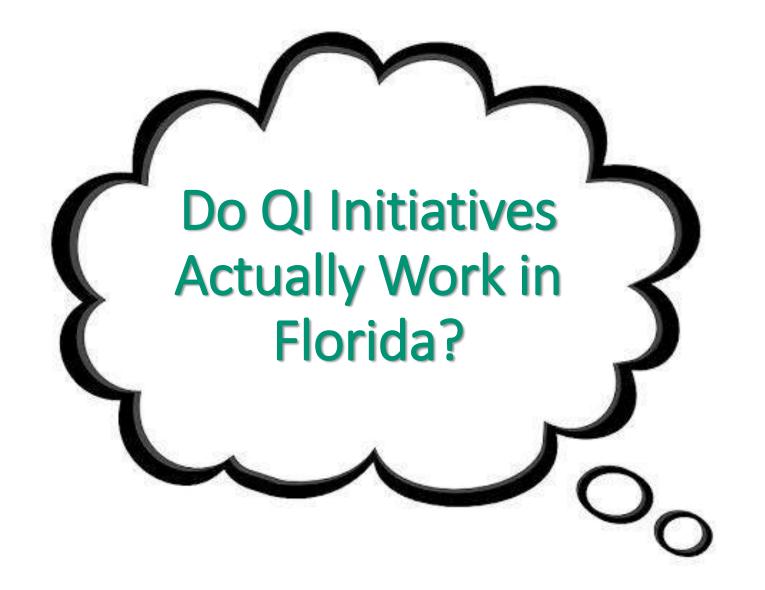
CMS QI Reporting All hospitals participating in Medicare are required to report their participation in a national or state perinatal quality collaborative and implementation of their safety bundles.

Joint Comm.
Requirement

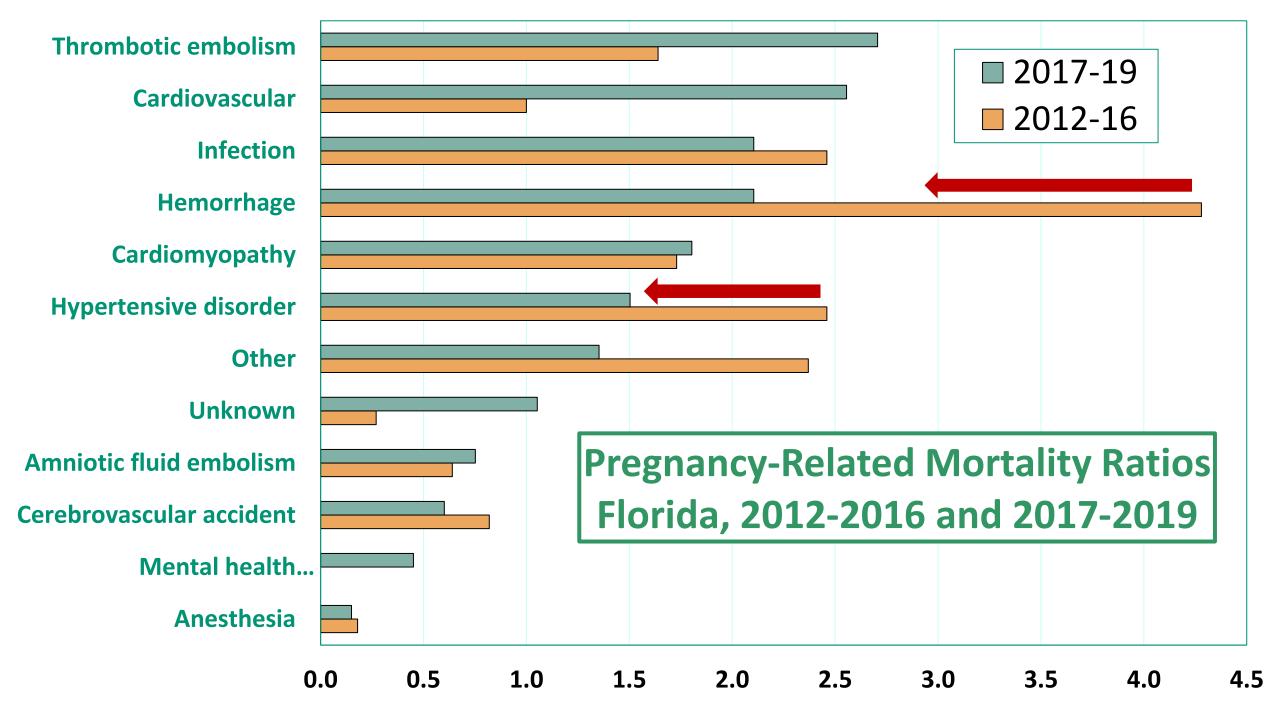
TJC accredited hospitals must select one hospital QI health equity issue and present a series of QI steps performed to address this issue.

Florida Statute All Florida maternity hospitals are required to participate in two FPQC quality improvement initiatives at all times.

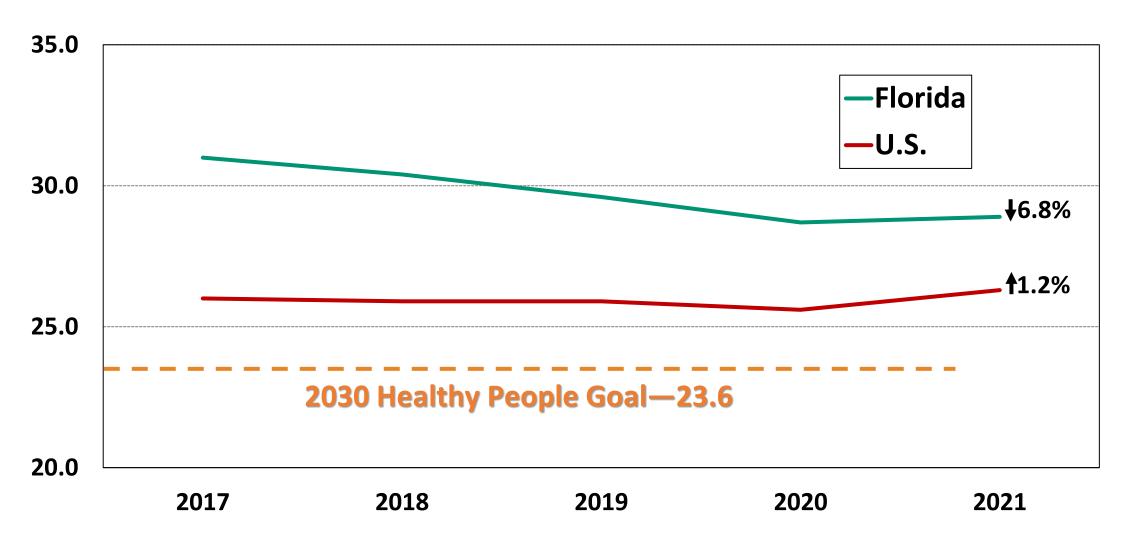








Low Risk Cesarean Rates









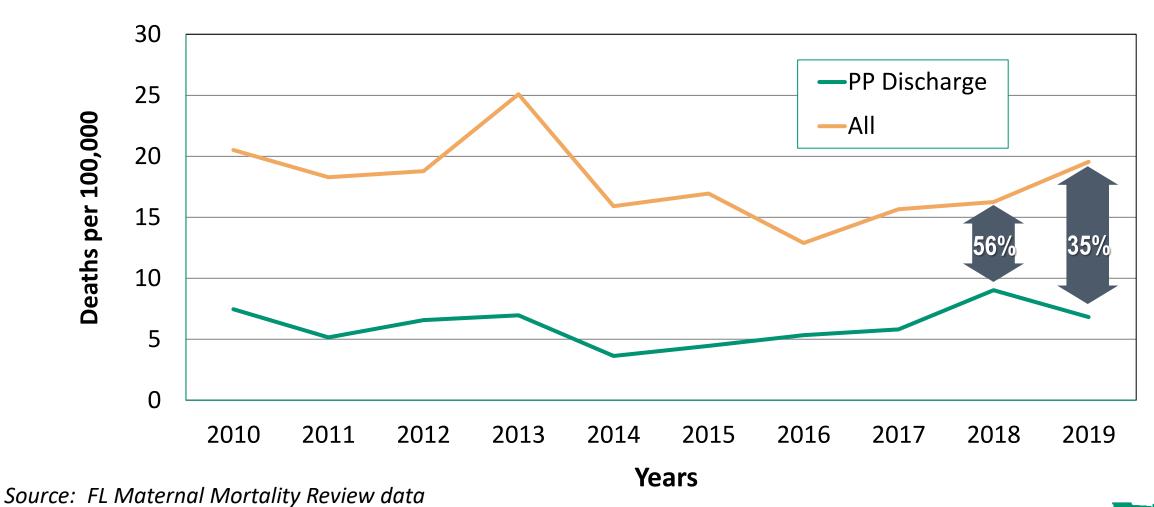


First FPQC QI Initiatives

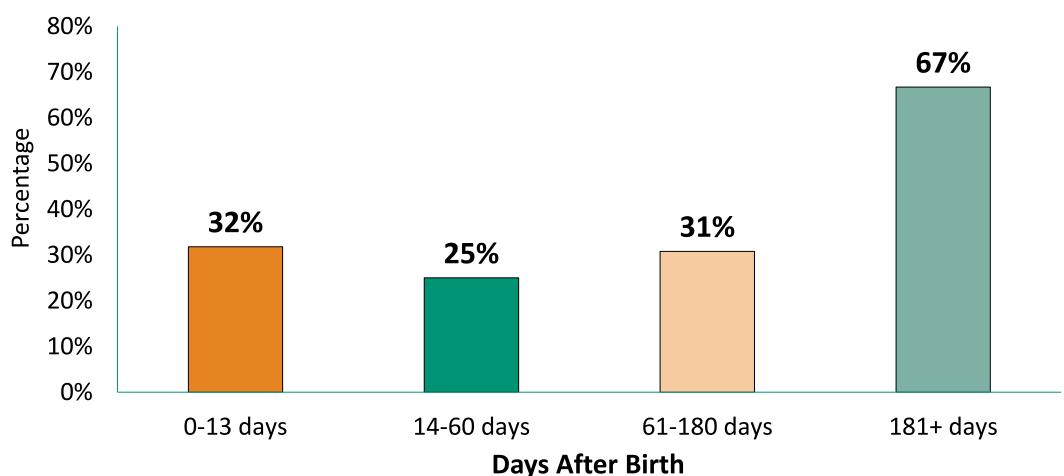
- Early Elective Delivery
- Hemorrhage
- Hypertension
- Antenatal Steroids
- Neonatal Resuscitation
- Mother's Own Milk



Pregnancy-Related Mortality Rates Florida, 2010 to 2019

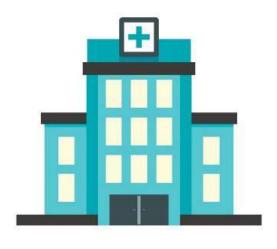


Postpartum Discharge Pregnancy-Related Deaths with a Stand-Alone Postpartum ER Visit, Florida, 2015 to 2019



Source: FL Maternal Mortality Review data





Postpartum Access & Continuity of Care



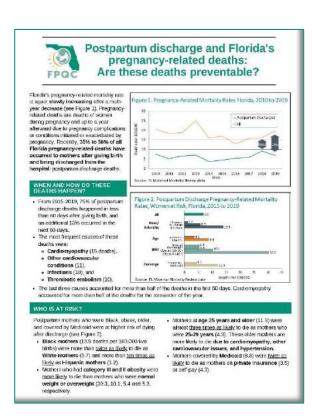


- **Emergency Department Providers**
- **State Partners**





Initiative Materials for New Partners



Mortality Brief

Education Flyer





ER Education Flyer



Mother Focused Care











Mothers

- FPQC Maternal Consultant
- FPQC Maternal Advisory Group Developing/Reviewing All
- Mother's Recommended on Hospital QI Teams
- Mother Listening Sessions
- Maternal Respectful Care Surveys

Community Partners Florida Healthy Start

- FPQC Community Consultant
- Locals Invited & Introduced at Kickoff
- Locals Provide an "Up-To-Date"
 Community Resource Directory
- Partners Recommended on Hospital QI Teams
- Provide Mother Materials
- Find Diverse Mothers for Listening Sessions

Respectful Maternity Care (RMC) Survey

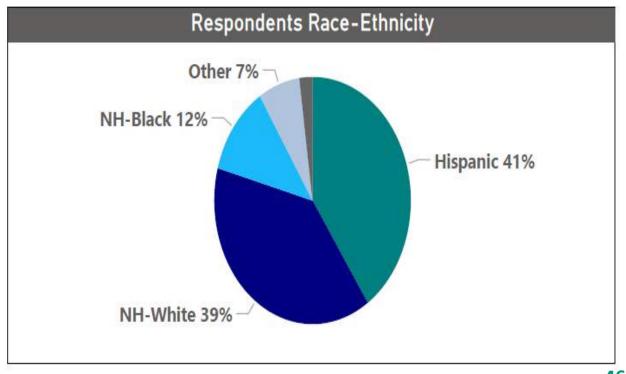
29 hospitals are currently using the RMC Survey to gather feedback from postpartum patients on respectful care during their hospital stay.

PATIENT DEMOGRAPHICS:

Overall

798
total surveys

Survey language	% Respondents
English	83.58%
Spanish	14.66%
Haitian Creole	1.75%



FPQC's Respectful Maternity Care (RMC) Survey

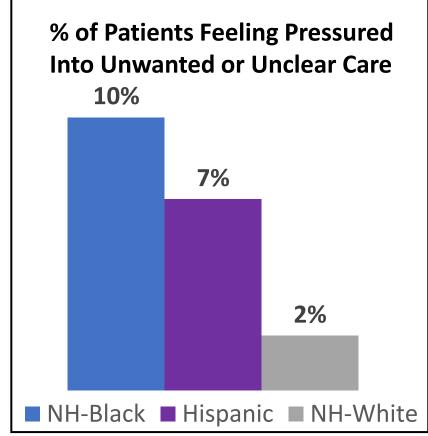
Over 95% of survey responses received have been positive.

Negative feedback is minimal but, allows hospitals opportunities to

assess and enhance their specific practices.

Race and Ethnic differences were seen, particularly with patients who <u>reported</u> <u>feeling pressured into unwanted or</u> unclear care.





Maternal Listening Session with 163 Diverse Mothers Preliminary Results

Most rated their experience as a 9 or 10 on a scale of 1-10.





Hospital Opportunities

Those who rated below 9-10

 Needed resources (lactation support, insurance, supplies)

- Noted less follow-up or individualized, prompt care
- Felt rushed or ignored
- Wanted choice, respect





Preliminary Results: What do postpartum parents need?

Responsiveness

Alert, prompt, follow-up

Information & Resources

Items stocked and prepared, listening, offering

Supplies

Formula, diapers, housing, schooling, snacks, mothers' postpartum care **Lactation Support**

...Ask the consultant right there; sometimes Google can be all over the place ...I was ready to go home, and the baby was ready to go home. But I feel like I was not at 100% ready with breastfeeding. ...needed to see a lactation lady just to ease my own my own fears

Considerations for Home, Safety & Work

... I was in a bad relationship. So, I was asking them about housing and stuff.

... I won't be getting paid tomorrow.

Accommodation & Welcome of Family Members



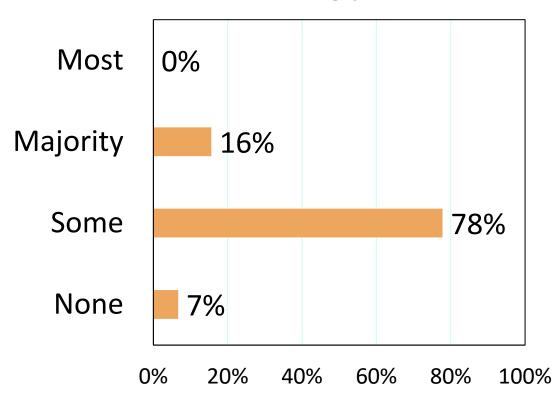


- Hospital Priority—Adequate Staffing & Resources
- QI Data Quality
- Current Health Care Structure Limits Quality

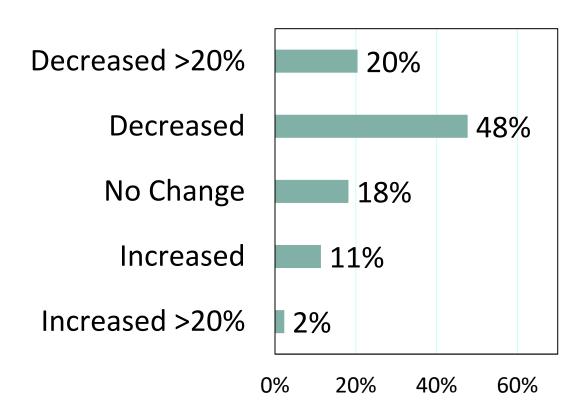


"Insufficient Nursing Staffing and Support for QI Initiatives" FPQC Hospital Survey, June, 2022 (n=80)

How much of your hospital's maternity nursing staff have turned over during pandemic?

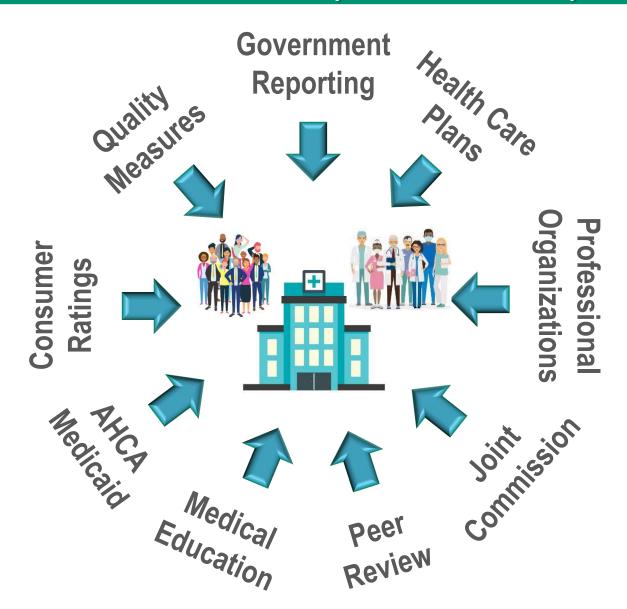


At what nurse staffing level is your hospital currently operating?





Multiple Pressure Points to Improve Quality





"Challenges with QI Data Collection Strategies for Rapid Data Reporting"

- Insufficient nurse staffing to abstract medical records.
- Insufficient data quality collected via electronic health records

"Current Health System Structures Limit Quality Improvement"

- Howell EA, Egorova NN, Babierz A, Zeitlin J, Hebert PL (2016). Site
 of delivery contribution to black-white severe maternal morbidity
 disparity. American Journal of Obstetrics and Gynecology, 215(2):
 143-152.
- Wang E, Glazer KB, Sofaer S, Balbierz A, Howell EA. (2021) Racial and Ethnic Disparities in Severe Maternal Morbidity: A Qualitative Study of Women's Experiences of Peripartum Care. Women's Health Issues, 31(1): 75-81.



- 1. Provider and staff education alone is not enough for QI.
- 2. Multiple-hospital QI initiatives will make a larger and more substantial improvement in perinatal health care.
- 3. Perinatal QI is a multidisciplinary team sport at a hospital, community & state level. Multiple partners are needed at each.
- 4. Both internal and external pressure points (positive & negative) are needed to maximize and sustain hospital perinatal QI efforts.
- 5. QI Initiatives include identifying and improving the care system.
- 6. Perinatal QI alone is not enough to improve health care disparity.

Questions?

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Florida Perinatal Quality Collaborative



YouTube Florida Perinatal Quality Collaborative



@TheFPQC



"To improve the health and health care of all Florida mothers & babies"

