



#### **Rural Maternal Health Update**

Arizona Rural Health Conference June 10, 2024

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Vision: Healthy Communities, Healthy People



### **HRSA Enhancing Maternal Health Initiative**

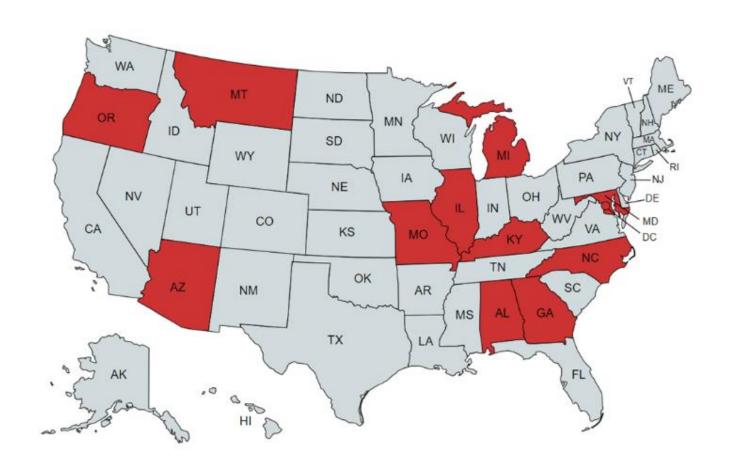








### **HRSA Enhancing Maternal Health Initiative**



- ✓ Arizona
- ✓ Alabama
- ✓ Georgia
- ✓ Illinois
- ✓ Kentucky
- ✓ Maryland
- ✓ Michigan
- ✓ Missouri
- ✓ Montana
- ✓ North Carolina
- ✓ Oregon
- ✓ District of Columbia







# Pregnancy-related Mortality in the United States

Maternal Mortality Prevention Team CDC Division of Reproductive Health







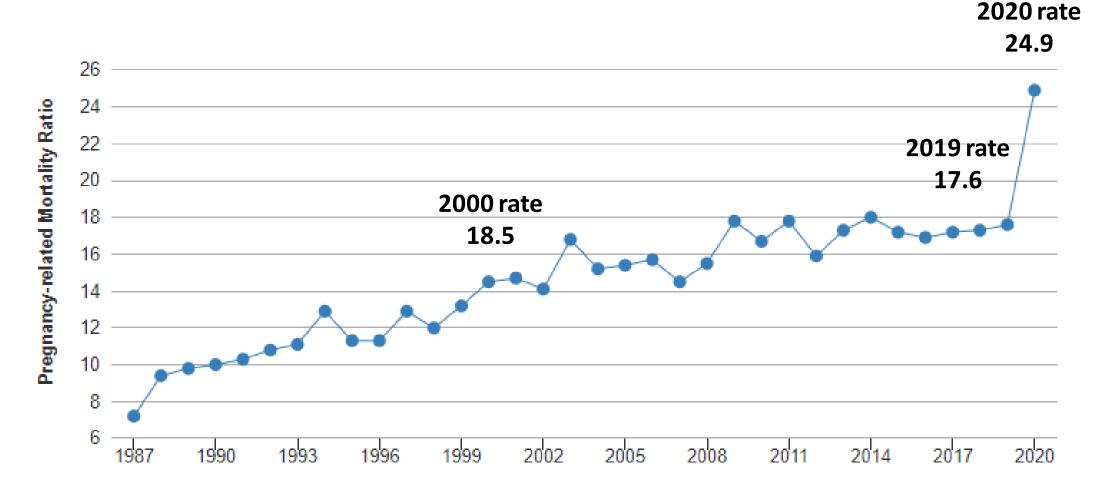






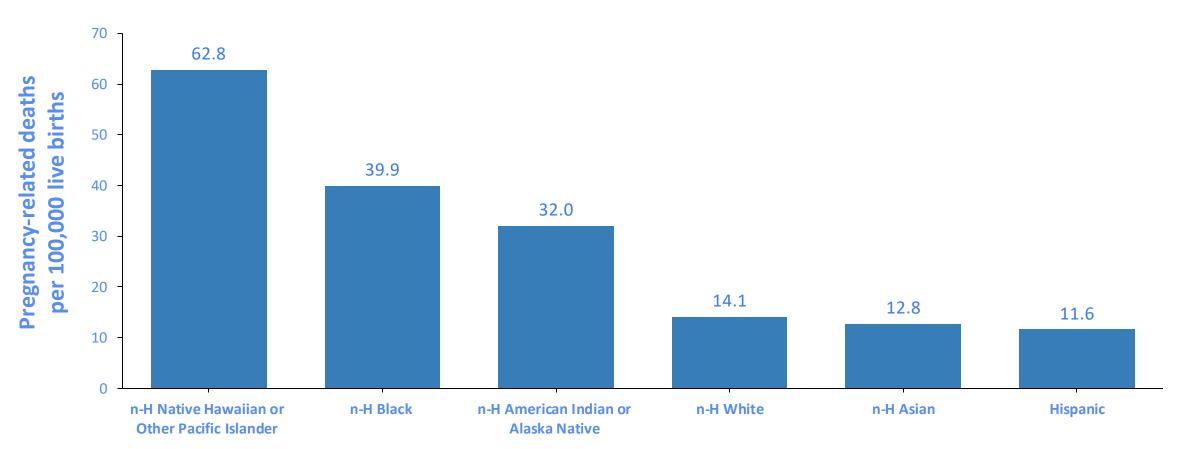


## Pregnancy-related Mortality Ratio by Year: 1987-2020, PMSS\*

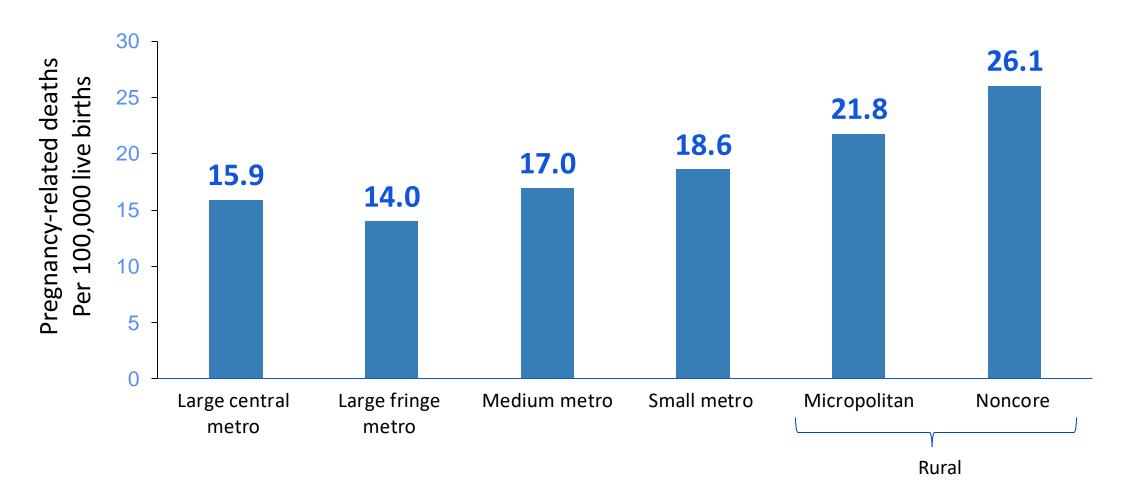




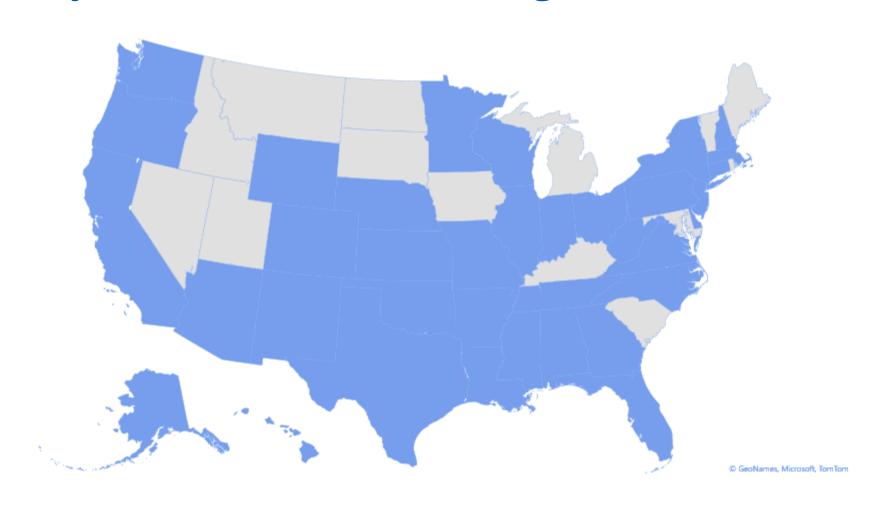
## Pregnancy-related Mortality Ratio by Race-ethnicity: 2017-2019, PMSS\*



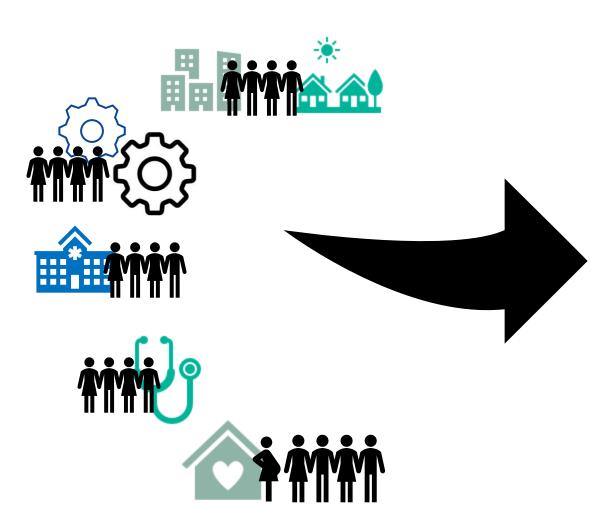
## Pregnancy-related Mortality Ratio by Urban-Rural Classification: 2017-2019, PMSS\*



## MMRCs in 36 states contributed data on 1,018 pregnancy-related deaths among their residents

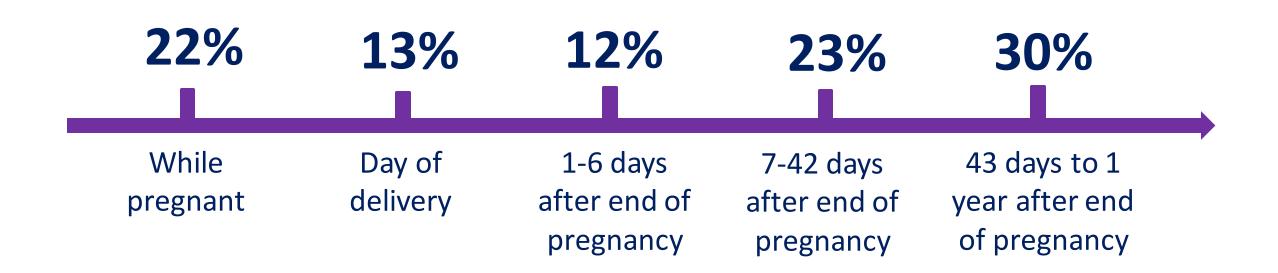


#### **MMRCs Determined:**

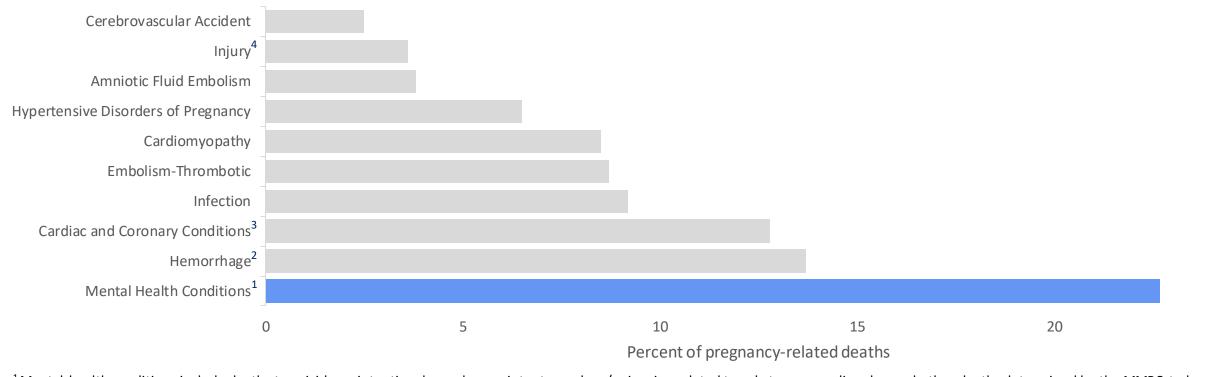


84% of pregnancy-related deaths were determined to be preventable

### **Timing of Pregnancy-related Deaths**



#### **Most Frequent Underlying Causes of Pregnancy-related Deaths\***



<sup>&</sup>lt;sup>1</sup>Mental health conditions include deaths to suicide, unintentional or unknown intent overdose/poisoning related to substance use disorder, and other deaths determined by the MMRC to be related to a mental health condition, including substance use disorder

25

<sup>&</sup>lt;sup>2</sup> Excludes aneurysms or cerebrovascular accident (CVA)

<sup>&</sup>lt;sup>3</sup> Cardiac and coronary conditions include deaths to coronary artery disease, pulmonary hypertension, acquired and congenital valvular heart disease, vascular aneurysm, hypertensive cardiovascular disease, Marfan Syndrome, conduction defects, vascular malformations, and other cardiovascular disease; and excludes cardiomyopathy and hypertensive disorders of pregnancy.

<sup>4</sup> Injury includes intentional injury (homicide), unintentional injury, including overdose/poisoning deaths not related to substance use disorder, and injury of unknown intent or not otherwise specified.

<sup>\*</sup>Only 10 most frequent underlying causes of death are shown; underlying cause of death was missing (n=10) or unknown (n=21) for 31 (3.0%) pregnancy-related deaths

#### **Obstetric Volume and Severe Maternal Morbidity**

#### JAMA Health Forum

#### **Original Investigation**

Obstetric Volume and Severe Maternal Morbidity Among Low-Risk and Higher-Risk Patients Giving Birth at Rural and Urban US Hospitals

Katy Backes Kozhimannil, PhD, MPA; Stephanie A. Leonard, PhD, MS; Sara C. Handley, MD, MSCE; Molly Passarella, MS; Elliott K. Main, MD; Scott A. Lorch, MD, MSCE; Ciaran S. Phibbs, PhD

- Objective: assess
   associations between
   obstetric volume and SMM
- Linked vital statistics and discharge data: CA, MI, PA, SC 2004-2020
- Exposure: rural and urban birth volumes
- Outcome: SMM without transfusion

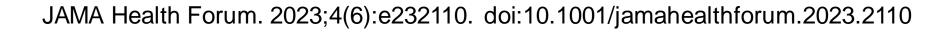


#### **Obstetric Volume and Severe Maternal Morbidity**

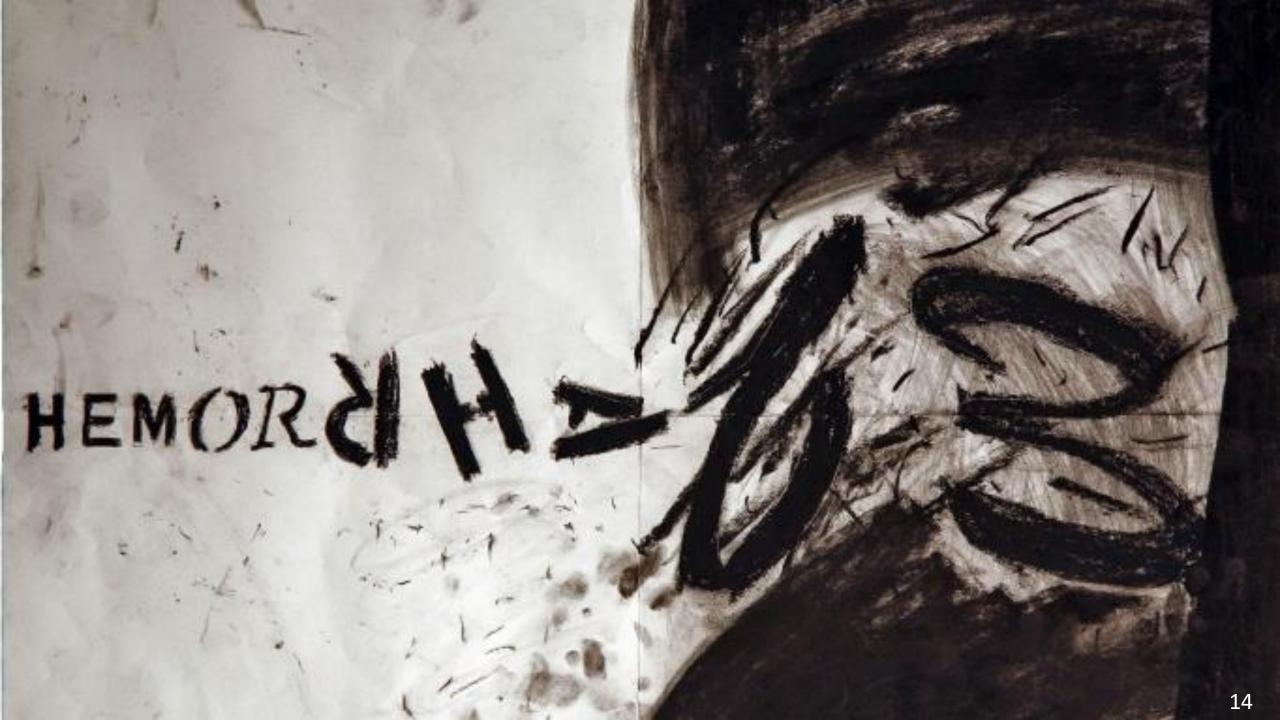
Table 4. Association Between Birth Volume Category and Severe Maternal Morbidity for Higher-risk and Low-risk Obstetric Patients at Hospitals in Rural Counties

	Risk ratio (95% CI)			
	Higher-risk patients		Low-risk patients	
Annual birth volume	Unadjusted	Adjusted	Unadjusted	Adjusted
Low (10-110 births)	1.29 (0.87-1.90)	1.49 (1.01-2.20)	2.37 (1.31-4.30)	2.32 (1.32-4.07)
Medium (111-240 births)	1.09 (0.84-1.41)	1.30 (1.03-1.65)	1.60 (1.15-2.22)	1.66 (1.20-2.28)
Medium-high (241-460 births)	1.05 (0.85-1.29)	1.16 (0.95-1.43)	1.54 (1.13-2.10)	1.68 (1.29-2.18)
High (>460 births)	1 [Reference]	1 [Reference]	1 [Reference]	1 [Reference]







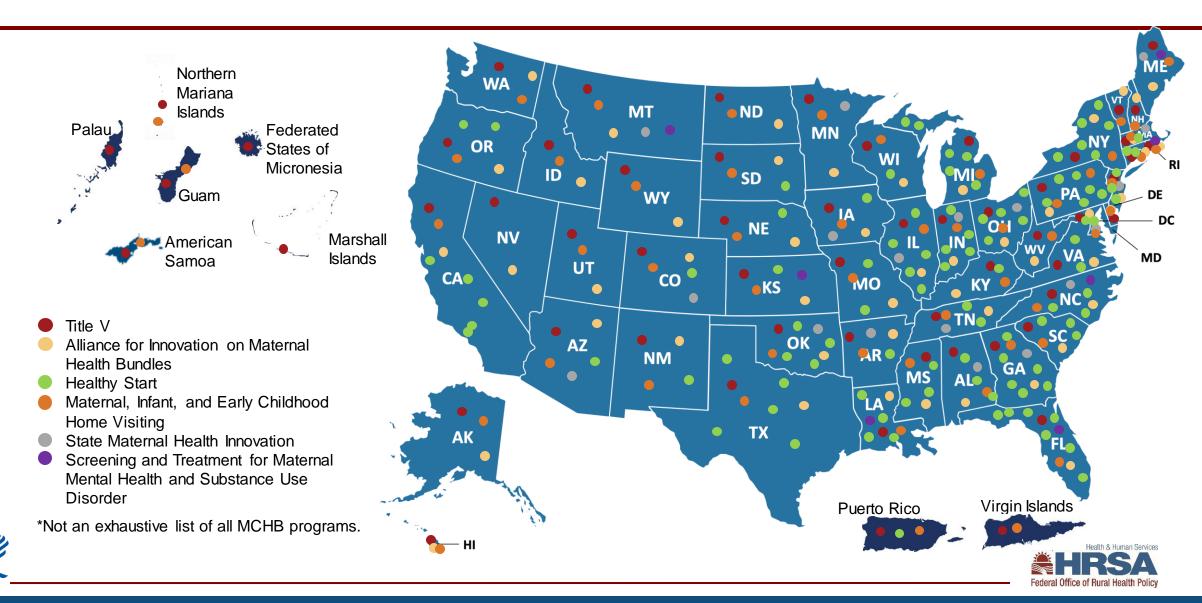








### HRSA's Maternal and Child Health Bureau Programs

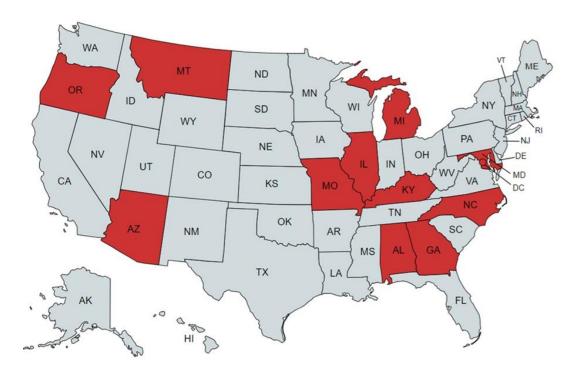


#### **Maternal Health Learning Series and HRSA Initiative**

FORHP and the Rural Health Information Hub presented a five-part series on <u>Rural Maternal Health</u>:

- Achieving the <u>CMS Birthing Friendly</u> <u>Designation</u>
- Working with <u>Perinatal Quality</u> <u>Collaboratives</u>
- Implementing <u>Patient Safety Bundles</u> to improve the process of care and health outcomes
- Readiness for <u>Hospitals without Birthing</u>
   Units
- HRSA Rural Maternal Health Initiatives

#### **HRSA Enhancing Rural Health Initiative**



hrsa.gov/about/news/press-releases/maternal-health-initiative





#### **Advancing Rural Community Health**

In 2024, we plan or project making awards for the following programs:

- Rural Health Network Development Planning Program
  - Award Amount: \$100,000/year for 1 year
  - Anticipated Number of Awards: 30
  - NOFO Available Fall 2024
- Rural Northern Border Region Outreach Program
  - Award Amount: \$225,000/year for 3 years
  - Anticipated Number of Awards: 15
  - NOFO Available Spring 2024
- Rural Residency Planning and Development Grant
  - Award Amount: up to \$750,000 total over 3 years
  - NOFO Available Fall 2024



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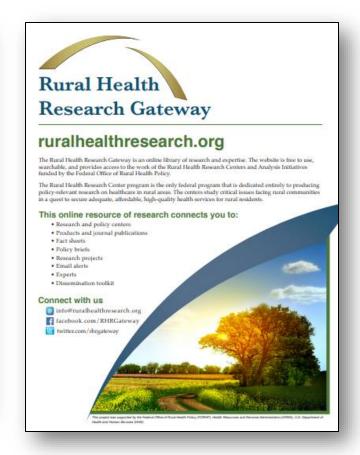


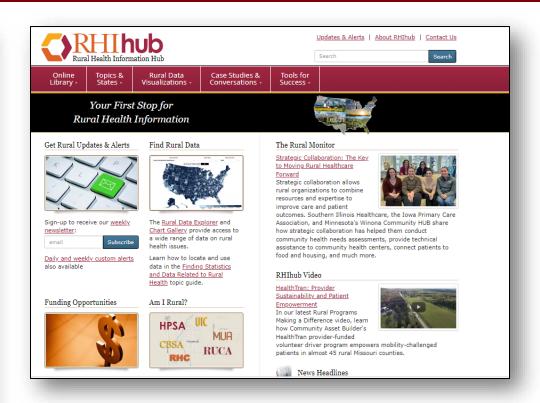




### Rural Health in General – Key Resources







3rnet.org

ruralhealthresearch.org

ruralhealthinfo.org





#### Rural Maternal Health Series – Key Resources

#### For hospitals without birth units:

- Review the <u>OB Emergency Readiness Resource Kit</u> (this is a project supported by HRSA and managed by ACOG)
- Join the Indian Health Service <u>Care and Access for Pregnant People ECHO</u>
   <u>Program</u> Open to any clinician in the U.S.
- View the recording of the OB Readiness in Facilities Without Birth Units webinar
  - <u>PowerPoint Handout</u> available





#### Rural Maternal Health Series – Key Resources

#### For hospitals with birth units:

- Learn about and report the data on the <u>Maternal Morbidity Structural</u> measure and become a <u>Birthing-Friendly Hospital</u>
- Connect with the PQC in your state: <u>National Network of Perinatal Quality</u>
   <u>Collaboratives</u>
- Explore the Alliance for Innovation on Maternal Health Safety Bundles <u>SaferBirth.org</u>
- Support the maternal mortality review process: <u>ReviewtoAction.org</u>
- For more detail on these topics, the <u>Rural Maternal Health Series webinars</u> are archived for viewing.





## National Maternal Mental Health Hotline

- 1-833-TLC-MAMA (1-833-852-6262)
- Free, confidential, 24/7 mental health support for moms and their families before, during, and after pregnancy. English- and Spanish-speaking counselors are available. Interpreter services support 60 other languages.







#### **Hotline Promotional Material**



Posters, wallet cards, magnets, and social media shareables



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