

TEXAS Health and Human Services

Texas Department of State Health Services

Data to Action

Manda Hall, MD Associate Commissioner Community Health Improvement

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Learning Objectives

Upon completion of this event, participants should be able to:

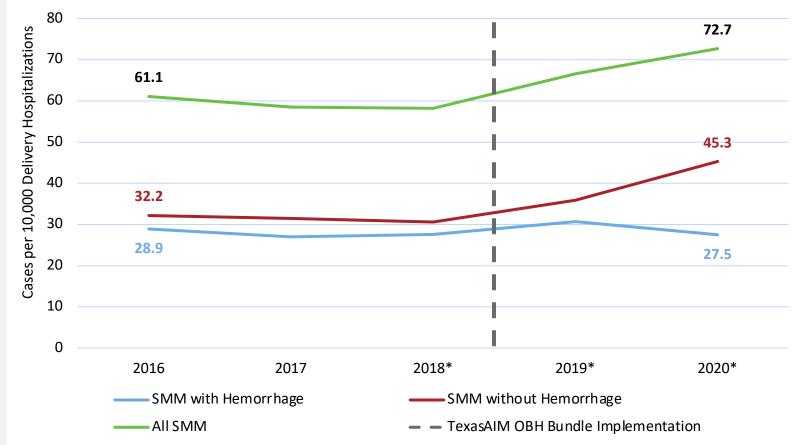
• Describe 1 or more disparity in Texas maternal and infant health outcomes to target for prevention.

• Identify 1 or more state resource to support maternal and infant health improvement.

Data Overview

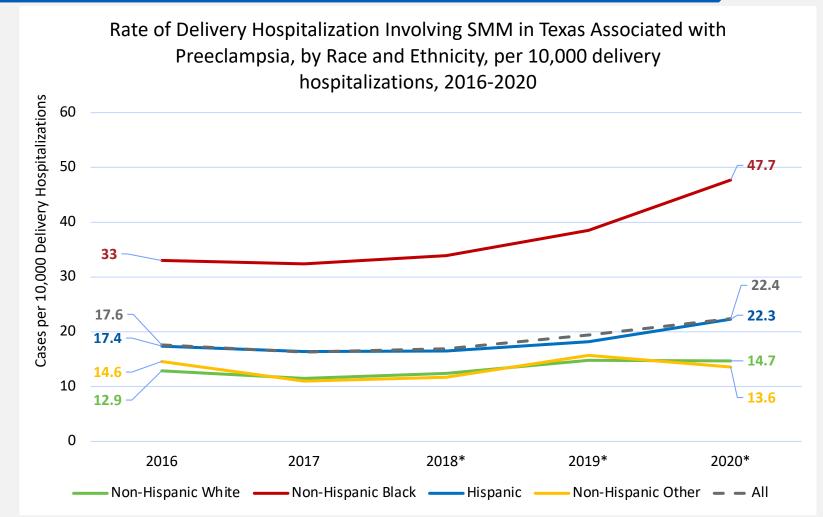
Severe Maternal Morbidity (SMM) 1 of 2

Texas SMM Among In-Hospital Deliveries with or without Obstetric Hemorrhage per 10,000 delivery hospitalization, 2016-2020



PREPARED BY: Maternal and Child Health Epidemiologists (MCHE), Community Health Improvement (CHI) Division. DATA SOURCE: Hospital Inpatient Discharge Research Data File, 2016-2020. Birth Files 2016-2020. Center for Health Statistics (CHS), DSHS. NOTES: *2018-2020 Birth Files are Provisional.

Severe Maternal Morbidity (2 of 2)



PREPARED BY: Maternal and Child Health Epidemiologists (MCHE), Community Health Improvement (CHI) Division. DATA SOURCE: Hospital Inpatient Discharge Research Data File, 2016-2020. Birth Files 2016-2020. Center for Health Statistics (CHS), DSHS. NOTES: *2018-2020 Birth Files are Provisional.

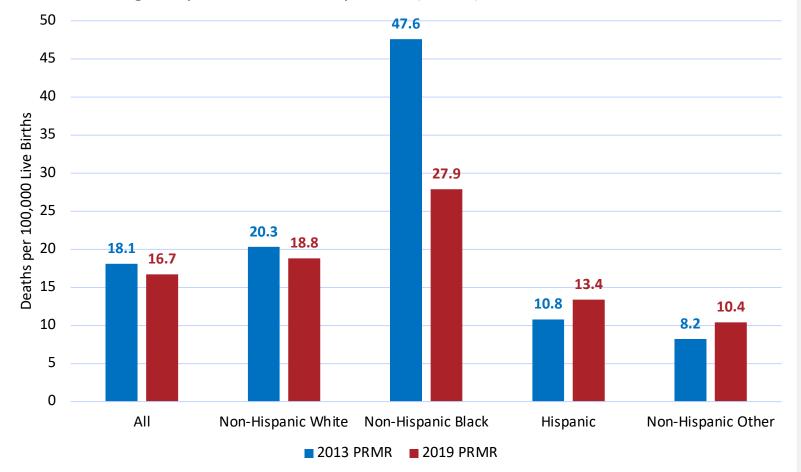
Maternal Mortality (1 of 3)

Key Maternal Mortality and Morbidity Review	Key Maternal Mortality and Morbidity Review	
Committee 2013 Findings	Committee 2019 Findings	
175 pregnancy-associated deaths occurred.	147 pregnancy-associated deaths occurred.	
40% of pregnancy-associated deaths were pregnancy-related.	43% of pregnancy-associated deaths were pregnancy- related.	
90% of pregnancy-related deaths were preventable.	90% of pregnancy-related deaths were preventable.	
Embolism, Hemorrhage, and Mental Health	Mental Health Conditions, Hemorrhage, and	
Conditions were the leading causes of	Embolism were the leading causes of pregnancy-	
pregnancy-related death, in that order.	related death, in that order.	
Disparities persist in pregnancy-related mortality,	Disparities persist in pregnancy-related mortality,	
with Non-Hispanic Black women being	with Non-Hispanic Black women being	
disproportionately impacted.	disproportionately impacted.	

PREPARED BY: Maternal and Child Health Epidemiologists (MCHE), Community Health Improvement (CHI) Division. DATA SOURCE: Texas Maternal Mortality and Morbidity Review Committee Data. MCHE. Death Files 2013, 2019. Birth Files 2012-2013, 2018-2019. Fetal Death Files 2012-2013, 2018-2019. Center for Health Statistics (CHS), DSHS.

Maternal Mortality (2 of 3)

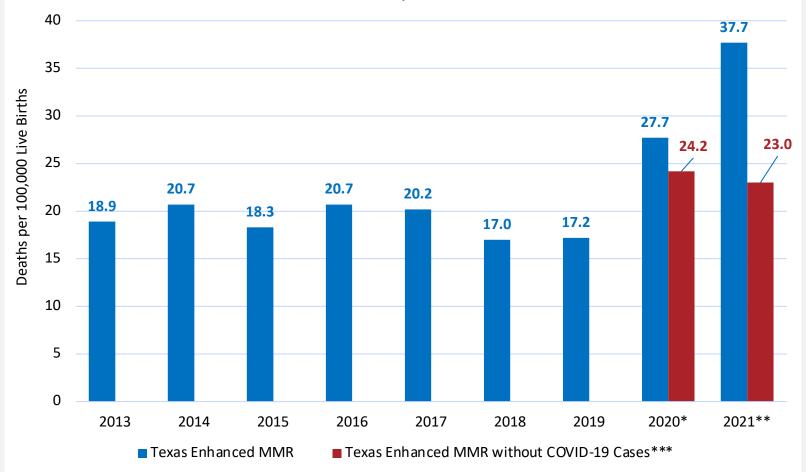
Pregnancy-Related Mortality Ratios (PRMR) in Texas, 2013 and 2019



PREPARED BY: Maternal and Child Health Epidemiologists (MCHE), Community Health Improvement (CHI) Division. DATA SOURCE: Texas Maternal Mortality and Morbidity Review Committee Data. MCHE. Death Files 2013, 2019. Birth Files 2012-2013, 2018-2019. Fetal Death Files 2012-2013, 2018-2019. Center for Health Statistics (CHS), DSHS.

Maternal Mortality (3 of 3)

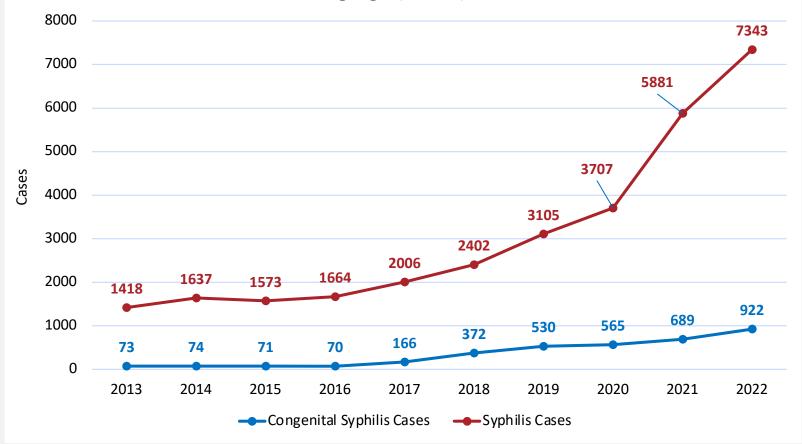
Enhanced Maternal Mortality Ratios for Texas, 2013-2021



PREPARED BY: Maternal and Child Health Epidemiologists (MCHE), Community Health Improvement (CHI) Division. DATA SOURCE: Texas Maternal Mortality and Morbidity Review Committee Data. MCHE. Death Files 2013, 2019. Birth Files 2012-2013, 2018-2019. Fetal Death Files 2012-2013, 2018-2019. Center for Health Statistics (CHS), DSHS.

Syphilis and Congenital Syphilis

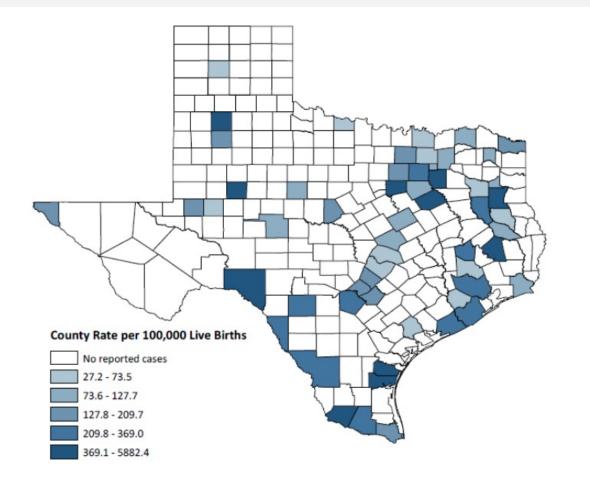
Congenital Syphilis Cases and Total Syphilis Cases among Women of Childbearing Age (15-44) in Texas, 2013 to 2022



PREPARED BY: Maternal and Child Health Epidemiologists (MCHE), Community Health Improvement (CHI) Division. SOURCE: HIV/STD Epidemiology and Surveillance Unit, DSHS.

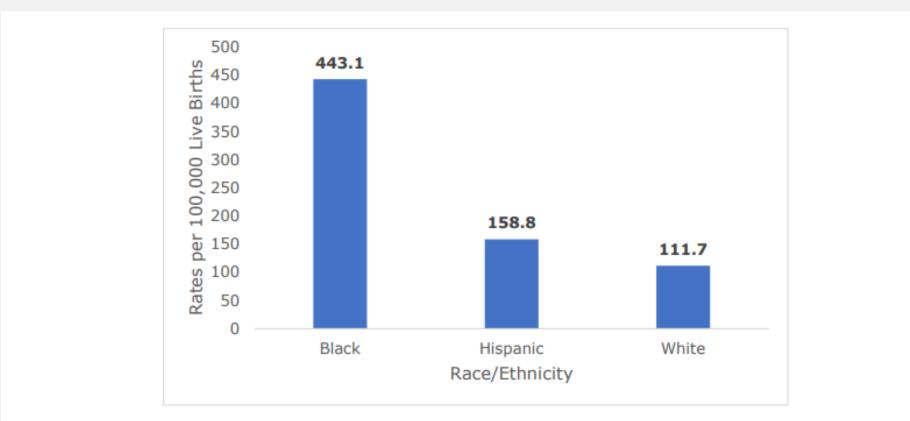
Congenital Syphilis

Rates of CS by County in Texas, 2021



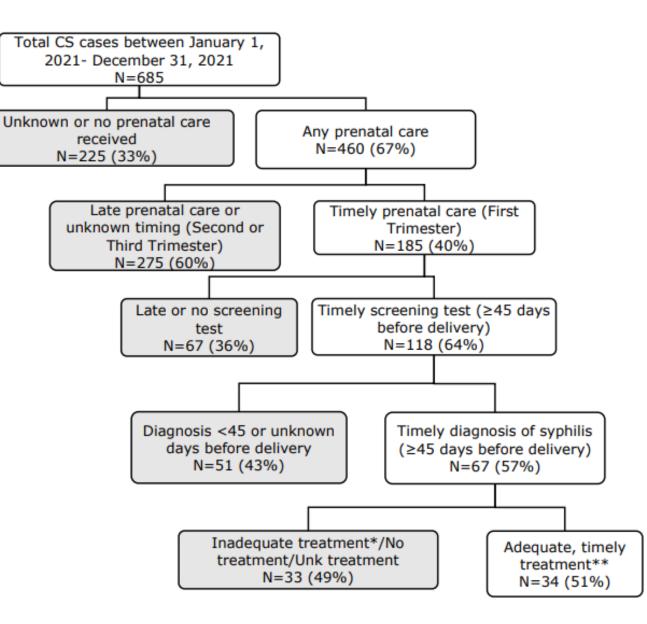
*Denominator used to calculate rate is the 2021 CHS birth data by county.

CS Rates by Infants by Mother's Race/Ethnicity, 2021



*Denominator used to calculate rate is the 2021 CHS birth data by county. Excludes Other/Unknown race.

Figure 20: CS Cascade in Texas, 2021





Texas Department of State Health Services

Texas DSHS Congenital Syphilis Initiatives

- Interagency Case Management Strategy
- Data Analytics and Data Sharing
- Advanced Trainings for Disease Intervention Specialists
- Statewide Community Health Worker Trainings
- Fetal Infant Morbidity Reviews (FIMR)
- Federally Qualified Health Center Partnerships

Texas DSHS Congenital Syphilis Outreach & Education

- Texas AIM CS Summit (Fall 2024)
- DSHS Grand Rounds (Summer 2024)
- Updated CS website and resources
- Health Texas Mothers and Babies Community Coalitions
- Quality Improvement Toolkit TCHMB

Congenital Syphilis Quality Improvement Toolkit

- Goals: Improve Screening, Treatment and Appropriate Referrals for Women Affected by Syphilis
- Provide Maintenance of Certification Part 4 Credit or other needed CME/credits for Maternal Health Care Providers
- Applicable to many different maternal health care settings
- Emphasize partnership with Disease Intervention Specialists
- Alignment with Texas state law and best practices
- Education on staging, classification and treatment adequacy
- Respectful, Equitable, and Supportive Care

Save the Dates

- DSHS Grand Rounds on Congenital Syphilis: Summer 2024
- Texas AIM Summit- Congenital Syphilis: Fall 2024
- FIMRs- Quarterly Meetings in Dallas, Houston, and San Antonio, please see dates and sign up on the website:
 - <u>Congenital Syphilis Fetal Infant Morbidity Review | Texas DSHS</u>

Maternal Health & Safety



Healthy Texas Mothers & Babies

Our mission is to improve maternal and infant health and safety by advancing quality, equity, and evidence-based prevention for all Texas mothers and babies.

Healthy \	Nomen	Healthy Mothers	Healthy	/ Babies	
Maternal and Child Health Knowledge, Leadership, and Partners					
Individual and Public Awareness and Knowledge	Professional Education	Community Empowerment	Community Improvement	Perinatal Quality Improvement Network	
Increase Knowledge to Change Attitudes and Behaviors for Improved Maternal and Infant Health Outcomes	Strengthen Competencies and Prepare Professionals to Transmit Knowledge, Skills, and Motivation to Patients, Clients, and Colleagues	Engage Community Partners to Strengthen Networks for Collaboration, Innovation, and Collective Impact	Foster Development of Policy, Systems and Environments to Reduce Barriers, Promote Healthy Lifestyle Choices, and Optimize Maternal and	Drive System Changes to Support Adoption and Diffusion of Quality Improvements for Maternal and Infant Health and Safety Maternal Mortality & Morbidity Review Committee	
Health & Safety Campaign Infant Health & Safety Campaign Lactation Support Centers HTMB Peer Dads Program Right from the Start Campaign Information for Parents of Newborn Children Pamphlet	TCHMB Annual Summit DSHS Grand Rounds Online Provider Education Webinars, Workshops, Seminars, and Technical Trainings Train the Trainer Courses	HTMB Community Coalitions Collaborative Improvement and Innovation Networks State and National Networks Community Forums and Listening Sessions	Infant Health Outcomes High-Risk Maternal Care Coordination Services Pilot Texas Mother-Friendly Worksite Program Infant Sleep Safety Promotion Smoke Free Environments	TexasAIM Initiative Texas Strategic Action Partnership to Reduce Violent Pregnancy-Associated Deaths Texas Collaborative for Healthy Mothers & Babies Texas Star Achiever Initiative Support Levels of Care Congenital Syphilis Initiative MCH Data Modernization	

Hear Her Texas Campaign

- Launched in November 2022
- Received over 80 million impressions
- Engaged over 300,000 individuals







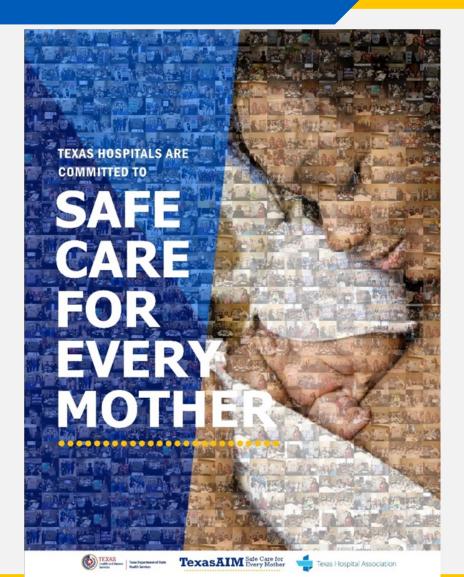
TexasAIM

- Required by:
 - •SB 17, 85th Legislature, 1st Special Session.
 - 2023-24 General Appropriations Act, House Bill (HB) 1 (Article II, Health and Human Services, Rider 21) -- Maternal Mortality and Morbidity.
- Obstetric Hemorrhage Bundle 2018.
- Severe Hypertension in Pregnancy re-launch 2022.
- Opioid and Substance Use Disorder Bundle Wave I re-launch 2023.
- Future Bundles Sepsis and Cardiac.

OBH Bundle: Severe Maternal Morbidity Findings

8.6% reduction between interventions from baseline in the rate of Severe Maternal Morbidity* among hemorrhage cases occurring for TexasAIM enrolled hospitals still providing labor and deliver services in Spring 2022

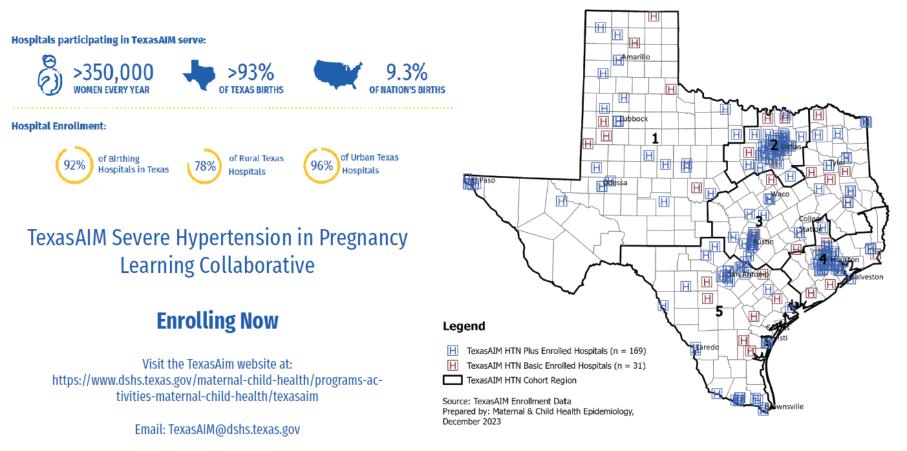
*(excludes cases with only a transfusion code)



TexasAIM Enrollment

TexasAIM Enrollment by the Numbers

Hospitals Enrolled in the TexasAIM Severe Hypertension in Pregnancy (HTN) 2.0 Learning Collaborative as of December 21, 2023 by TexasAIM Cohort Region

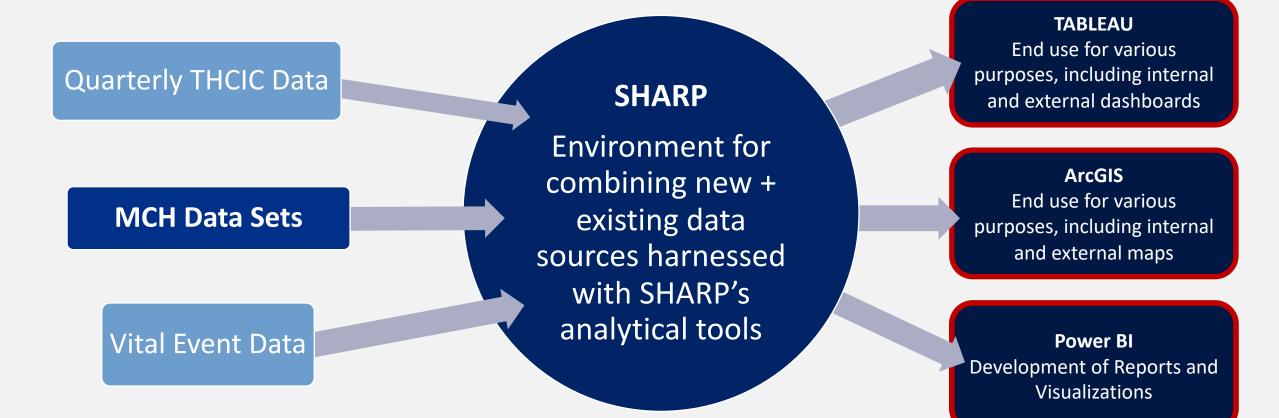


Maternal & Child Health (MCH) Data Modernization

Background

- Support for data modernization to support legislatively mandated programs and activities
- Awarded ~\$11M for the MCH Data Modernization Efforts
 - MCH Quality Improvement System (MCHQIS)
 - Maternal Mortality Review System (MMRS)
- Fiscal Years 2024-2025
- Stakeholder Workgroup

MCH Quality Improvement System (MCHQIS)



Data visualization, including hospitals participating in quality improvement

Maternal Mortality Review System (MMRS)



Case Review Initiation



Chart Abstraction and Documentation

What is MMRS?

A Texas-centric data collection system to support MMMRC activities.



Case Review



Data Entry/Documentation



Data Export for Enhanced/Comprehensive Analysis

Thank you!

Contact us: <u>maternalhealth@dshs.texas.gov</u>