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**Texas Department of State
Health Services**

Healthy Texas Mothers and Babies

A State Data Update
February 27, 2020

Michelle L. Cook, PhD, MPH
Director, MCH Epidemiology

Julie Stagg, MSN, RN, IBCLC, RLC
Manager, Healthy Texas Mothers & Babies
Branch

Objectives

- To identify and describe key aspects of the Healthy Texas Mothers & Babies Data Book
- To review the regional analysis of maternal and infant health in Texas
- To describe the current progress of TexasAIM hospitals

Healthy Texas Mothers & Babies Data Book



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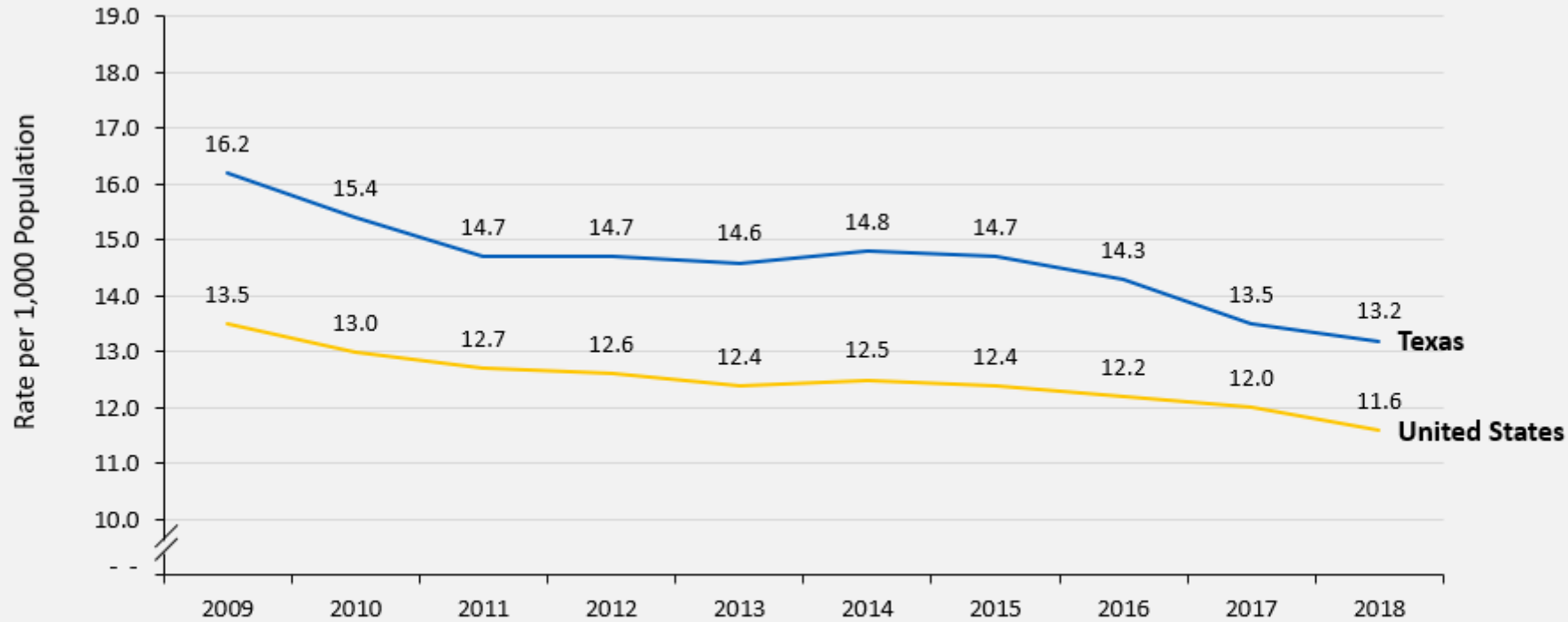
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Healthy Texas Mothers & Babies Data Book

- Last updated in November 2019
- Provides the most current data available on maternal and infant health
- Details:
 - Birth demographics
 - Infant mortality and morbidity
 - Infant health practices
 - Prenatal care
 - Maternal health
 - Delivery

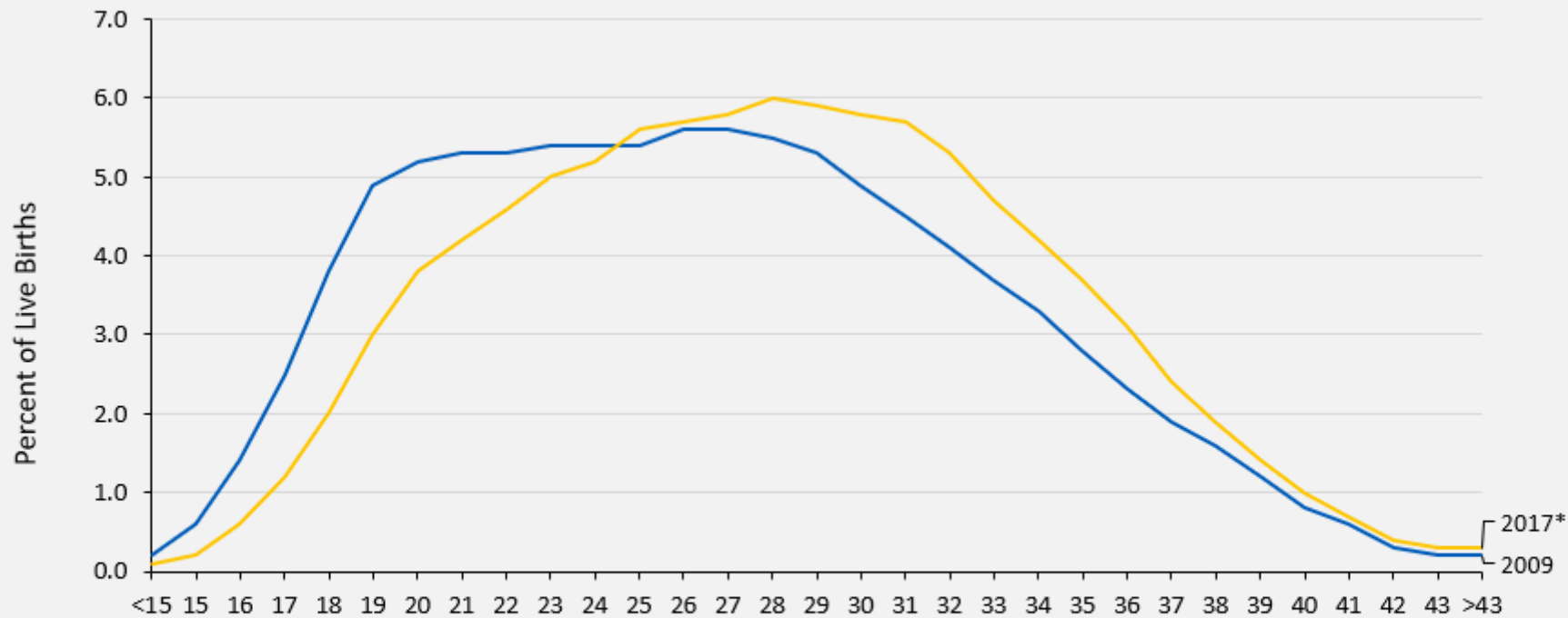


Birth Rate in Texas and the United States, 2009-2018



Source: National Center for Health Statistics
Prepared by: Maternal & Child Health Epidemiology Unit
Dec 2019

Maternal Age Distribution in 2009 and 2017



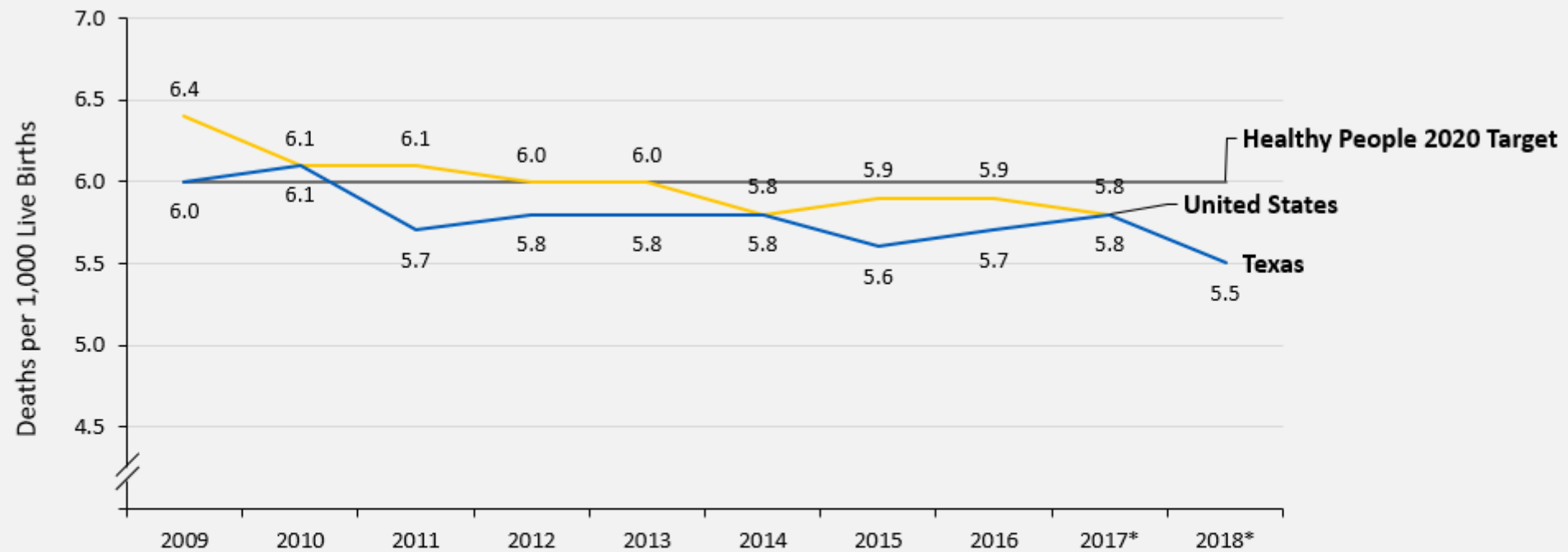
*2017 Texas data are provisional

Source: 2009 and 2017 Birth Files

Prepared by: Maternal & Child Health Epidemiology Unit

Dec 2019

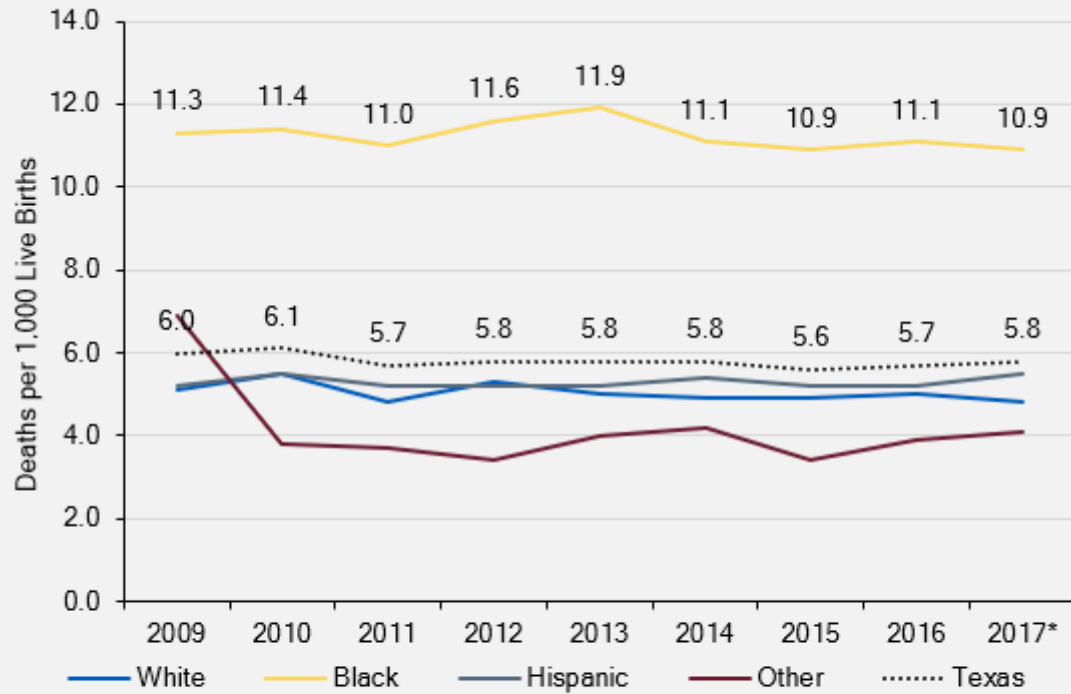
Infant Mortality Rate in Texas and the United States, 2009-2018



*2017 and 2018 Texas data are provisional
Source: 2009-2018 Texas Birth and Death Files, National Center for Health Statistics
Prepared by: Maternal & Child Health Epidemiology Unit
Dec 2019

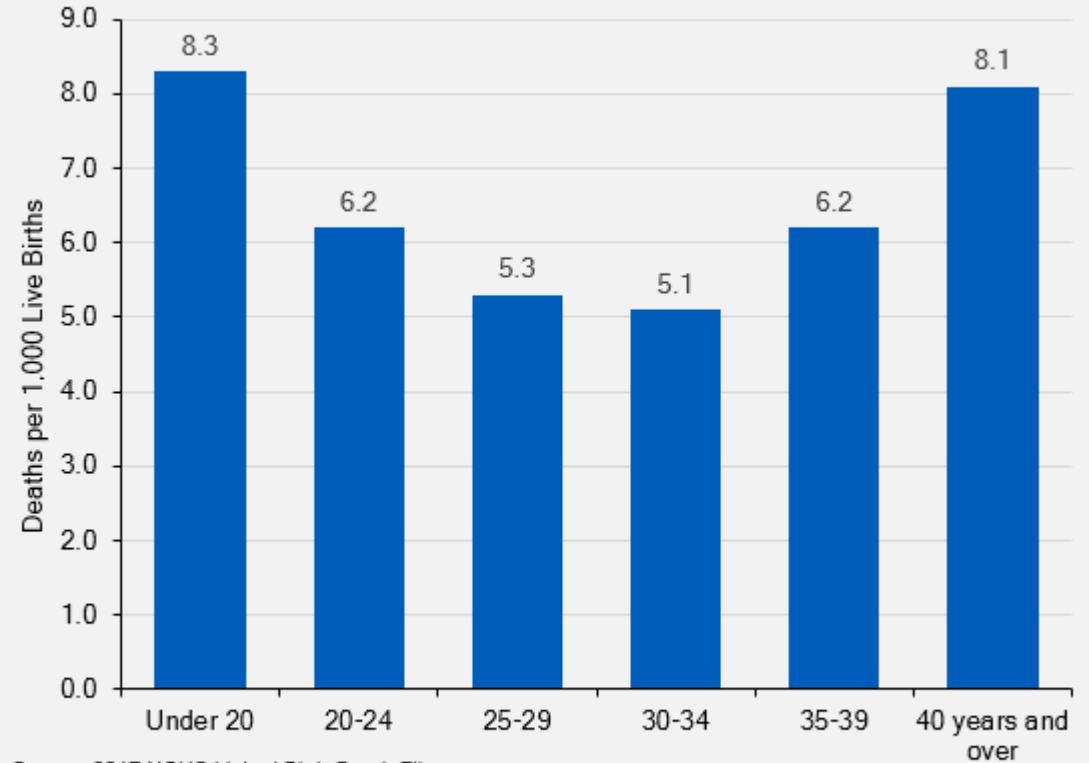
Infant Mortality Disparities

Infant Mortality Rate in Texas by Race/Ethnicity, 2009-2017



*2017 Texas data are provisional
 Source: 2009-2017 Texas Birth and Death Files
 Prepared by: Maternal & Child Health Epidemiology Unit
 Feb 2020

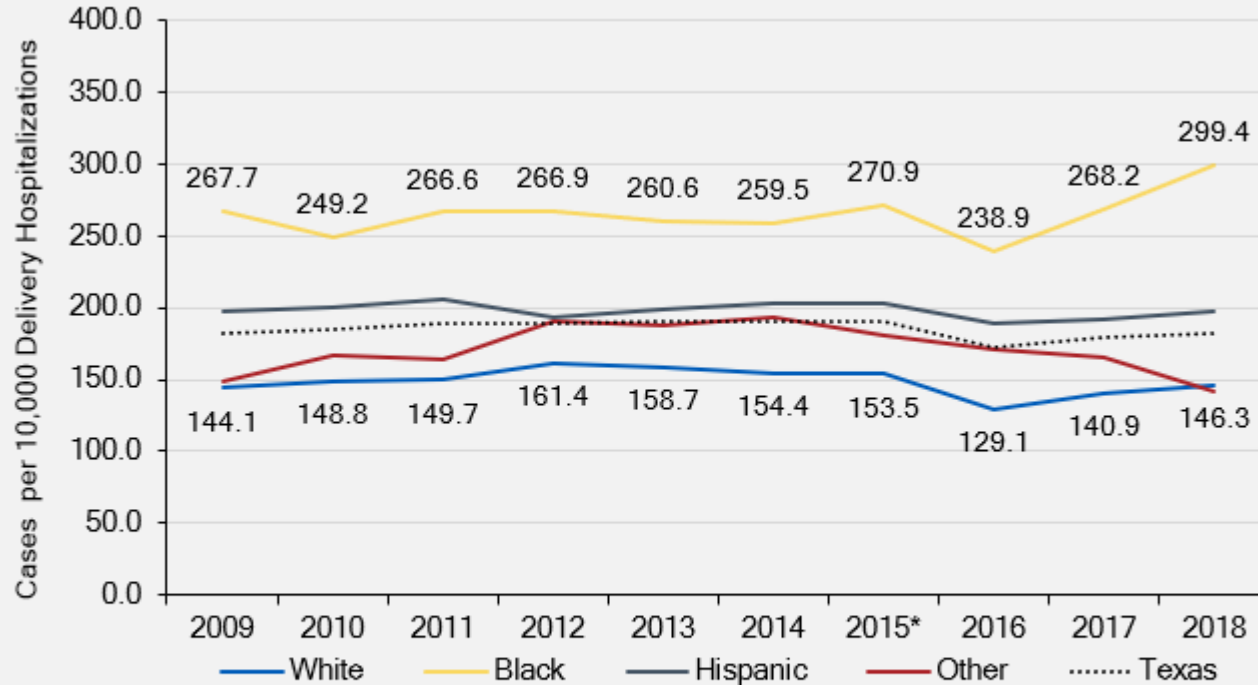
Infant Mortality Rate by Age Group, 2017



Source: 2017 NCHS Linked Birth-Death Files
 Prepared by: Maternal & Child Health Epidemiology Unit
 Feb 2020

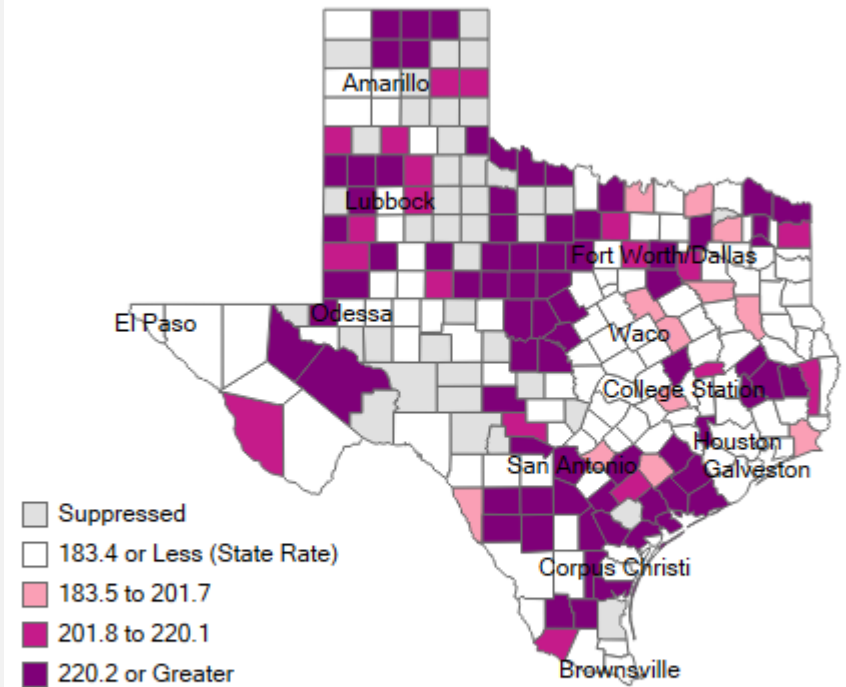
Severe Maternal Morbidity per 10,000 Deliveries

Rate of Severe Maternal Morbidity (SMM) in Texas, 2009-2018



*Data transitioned to ICD-10-CM in the last quarter of 2015.
 Source: 2009-2018 Texas Hospital Inpatient Public Use Data Files
 Prepared by: Maternal & Child Health Epidemiology Unit
 Feb 2020

Rate of Severe Maternal Morbidity per 10,000 Deliveries, 2014-2018



Data transitioned to ICD-10-CM in the last quarter of 2015
 Source: 2014-2018 Texas Hospital Inpatient Public Use Data Files
 Prepared by: Maternal & Child Health Epidemiology Unit
 Oct 2019

Regional Analyses of Maternal and Infant Health in Texas

- Last updated in June 2018
- Includes a state comparison
- Details:
 - Birth demographics
 - Infant mortality and morbidity
 - Health care coverage and access
 - Maternal health
 - Infant health practices
 - Perinatal periods of risk



Summary Table: Selected Health Indicators in Public Health Region 1

| Indicators | Public Health Region 1 | | | | | | | | | | Texas | |
|--|------------------------|------|------|------|------|------|------|------|------|------|---------------|------|
| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 10-Year Trend | 2015 |
| Birth Rate ^a | 16.1 | 16.5 | 16.3 | 16.1 | 14.9 | 14.5 | 14.3 | 14.6 | 14.6 | 14.2 | | 14.7 |
| Maternal Age (in Years) | 25.0 | 25.1 | 25.2 | 25.1 | 25.4 | 25.7 | 25.9 | 26.0 | 26.2 | 26.4 | | 27.7 |
| Teen Birth Rate ^b | 72.3 | 74.1 | 73.9 | 76.2 | 63.3 | 54.1 | 53.1 | 51.8 | 45.5 | 43.5 | | 33.0 |
| Infant Mortality Rate ^c | 6.0 | 7.7 | 8.0 | 7.0 | 6.8 | 5.7 | 6.6 | 5.9 | 5.5 | 4.4 | | 5.6 |
| Preterm Birth ^d | 12.9 | 12.9 | 12.7 | 11.9 | 11.3 | 10.3 | 10.2 | 10.7 | 10.4 | 10.0 | | 10.2 |
| Low Birth Weight ^d | 10.0 | 9.7 | 9.6 | 9.4 | 9.3 | 8.5 | 8.8 | 9.0 | 9.1 | 8.2 | | 8.3 |
| Prenatal Care in the 1st Trimester of Pregnancy ^d | 63.2 | 60.2 | 60.4 | 57.2 | 61.8 | 65.7 | 65.5 | 65.3 | 65.8 | 63.8 | | 65.9 |
| Pre-Pregnancy Obesity ^d | 22.8 | 22.7 | 22.9 | 24.1 | 25.1 | 25.1 | 25.2 | 26.1 | 27.9 | 28.0 | | 25.2 |
| Maternal Hypertension ^d | 5.4 | 4.9 | 5.2 | 5.4 | 5.1 | 5.2 | 5.5 | 5.2 | 7.9 | 8.6 | | 7.4 |
| Maternal Diabetes ^d | 3.6 | 3.0 | 3.0 | 2.7 | 2.7 | 3.3 | 4.4 | 4.4 | 7.6 | 7.4 | | 5.5 |
| Smoking During Pregnancy ^d | 11.5 | 11.0 | 10.1 | 9.4 | 8.7 | 8.2 | 7.7 | 8.7 | 8.3 | 7.5 | | 3.6 |

^a Live births per 1,000 population

^b Live births per 1,000 teen females (aged 15-19)

^c Deaths per 1,000 live births

^d Percent of live births

Sources: 2006-2015 Texas Birth and Death files, Center for Health Statistics, DSHS; 2006-2015 Texas Population Estimates, Texas Demographic Center.



Texas Department of State Health Services

Report Access

- HTMB Data Book:
 - <https://www.dshs.texas.gov/healthytexasbabies/data.aspx>
- Regional Analyses
 - <https://www.dshs.state.tx.us/mch/epi/Reports.aspx>



TexasAIM

Current Progress



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About TexasAIM

TexasAIM Bundles

- Obstetric Hemorrhage
- Severe Hypertension in Pregnancy
- Obstetric Care for Women with Opioid Use Disorder

Program Goals

- ✓ 1. Obtain participation from more than 75% of Texas hospitals with OB lines of service (currently $218/224=97\%$)
- ✓ 2. Engage 50% or more participating hospitals in a Learning Collaborative ($180/218 = 83\%$)
- ✓ 3. Support hospitals with tools and technical assistance in quality improvement as they implement bundles
- ✓ 4. Foster partnerships to develop and align infrastructure and resources to support TexasAIM Goals

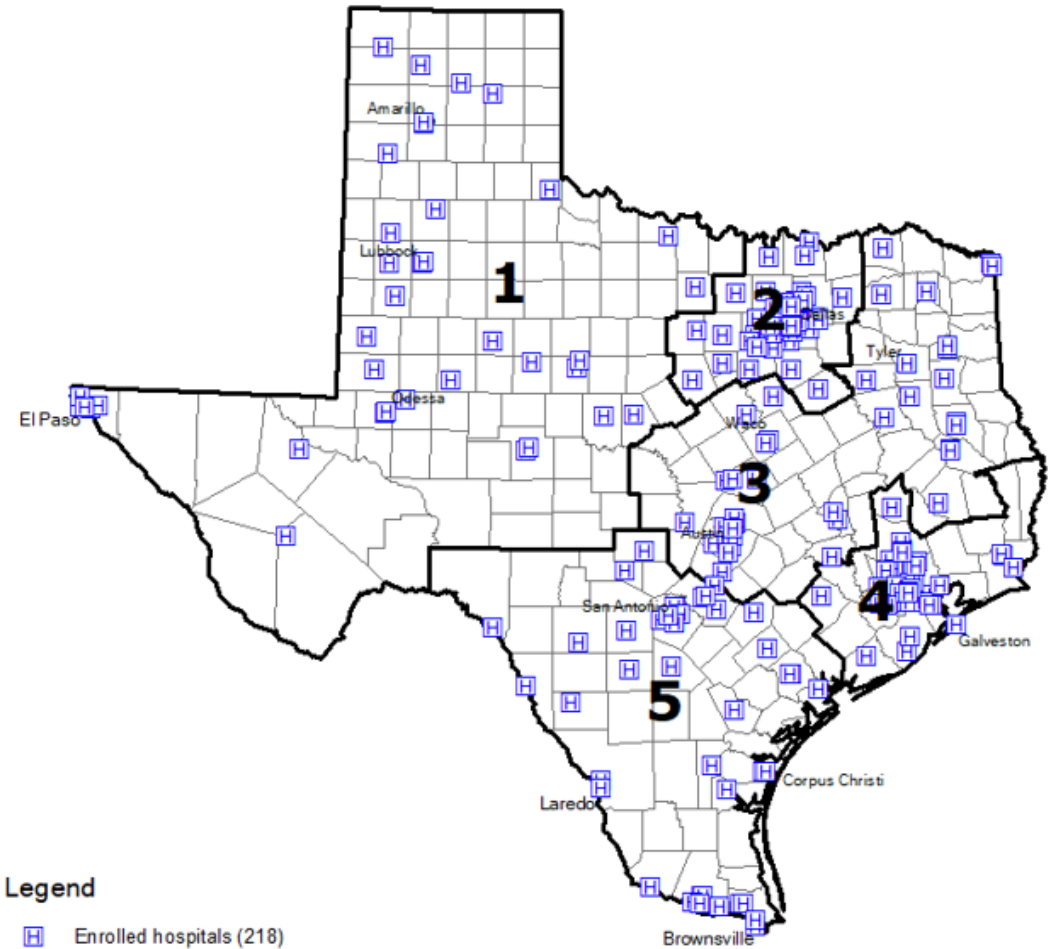
Enrolled Hospitals

218 enrolled hospitals, which is **97%** of all birthing hospitals in Texas.


- Represents 373,000 or 98% of Texas births annually
- 9.7% of all births in the US


Launching in summer 2020

- TexasAIM Severe Hypertension in Pregnancy Learning Collaborative
- TexasAIM Obstetric Care for Women with Opioid Use Disorder Learning Collaborative, First Wave



Legend

 Enrolled hospitals (218)

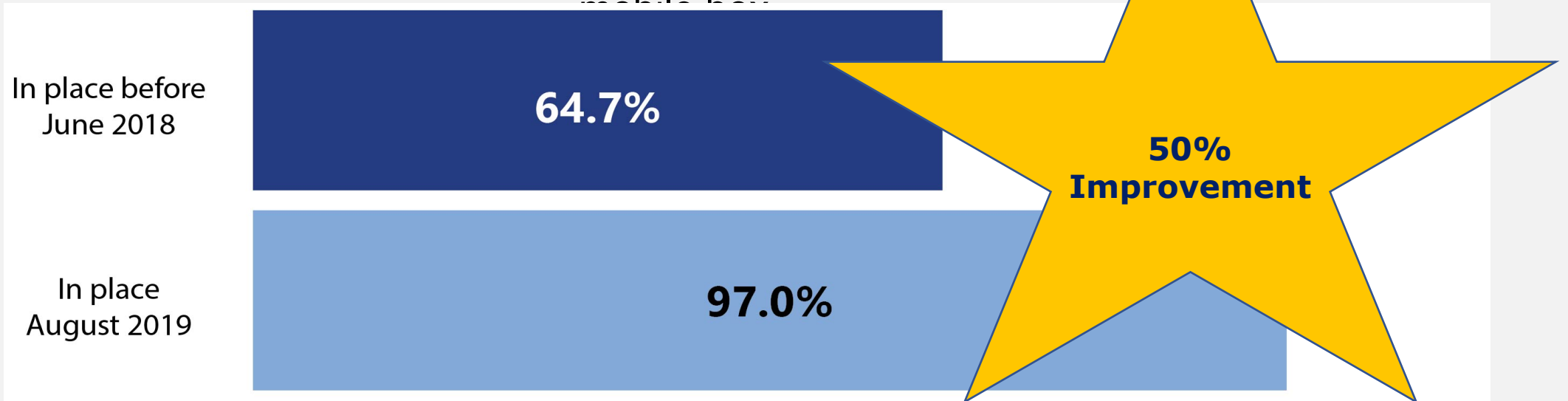
 TexasAIM Cohort Region

Source: TexasAIM Enrollment Data
Prepared by: Maternal & Child Health Epidemiology, 11/5/2019.

AIM Obstetric Hemorrhage Bundle Structure Measures

Improvement from Baseline

Percent of hospitals that have OB hemorrhage supplies readily available, typically in a cart or mobile box



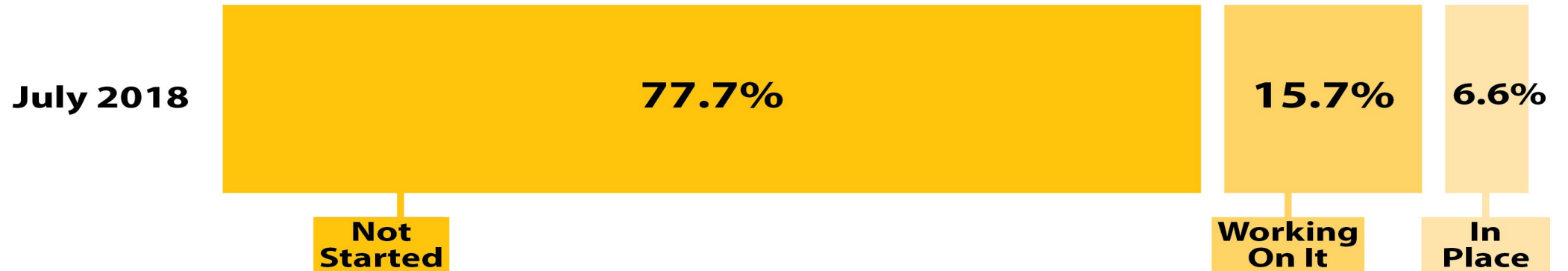
Prepared by Maternal and Child Health Epidemiology, November 2019

Source: AIM Structure Measure Data: AIM Data Portal, Healthy Texas Mothers and Babies Branch, DSHS.
For TexasAIM hospitals reporting on structure measures, the percentage of hospitals reporting the bundle component was in place before TexasAIM kickoff in June 2018 and in place through August 2019.

AIM Obstetric Hemorrhage Bundle Process Measures

Baseline

Quantitative Blood Loss Measurement Through



Prepared by Maternal and Child Health Epidemiology, October 2019

Source: AIM Quarterly Process Measure Data: AIM Data Portal, Healthy Texas Mothers and Babies Branch, DSHS.
For TexasAIM hospitals reporting on measure for both July 2018 and April 2019 reporting periods, the percentage of hospitals reporting a cumulative proportion for the measure of 0-9%, 10-79%, or 80-100%.

AIM Obstetric Hemorrhage Bundle Process Measures

Improvement from Baseline Quantitative Blood Loss Measurement Through

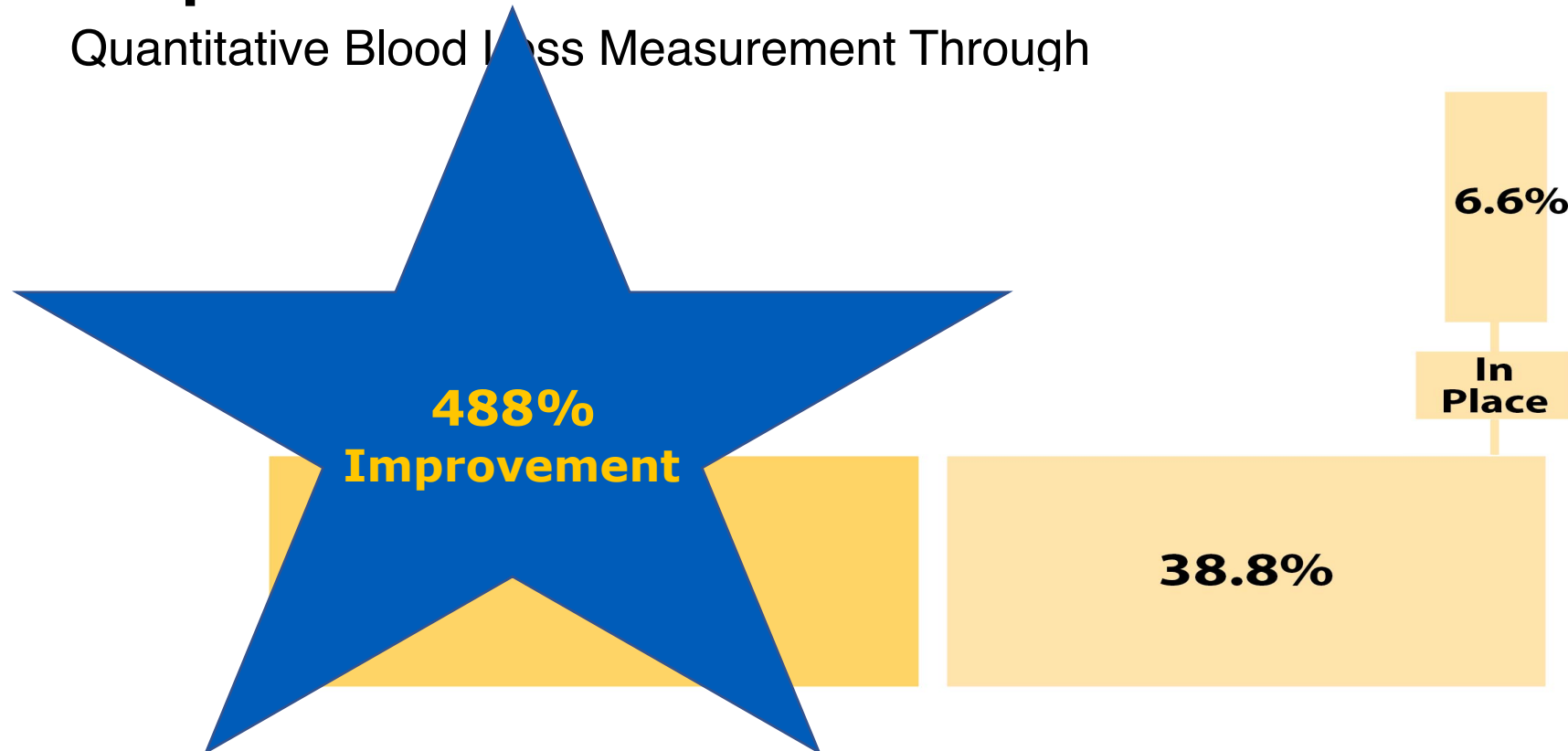
July 2018

6.6%

In Place

April 2019

38.8%



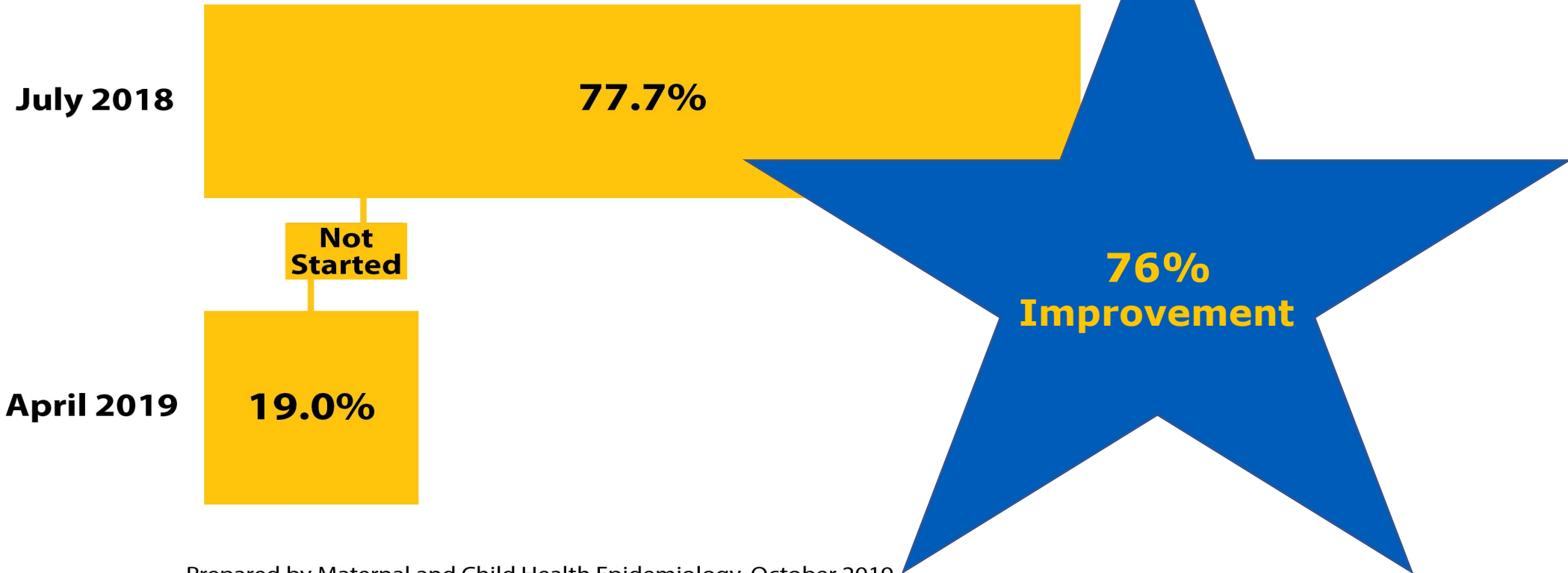
**488%
Improvement**

Prepared by Maternal and Child Health Epidemiology, October 2019
Source: AIM Quarterly Process Measure Data: AIM Data Portal, Healthy Texas Mothers and Babies Branch, DSHS.
For TexasAIM hospitals reporting on measure for both July 2018 and April 2019 reporting periods, the percentage of hospitals reporting a cumulative proportion for the measure of 0-9%, 10-79%, or 80-100%.

AIM Obstetric Hemorrhage Bundle Process Measures

Improvement from Baseline

Quantitative Blood Loss Measurement Through

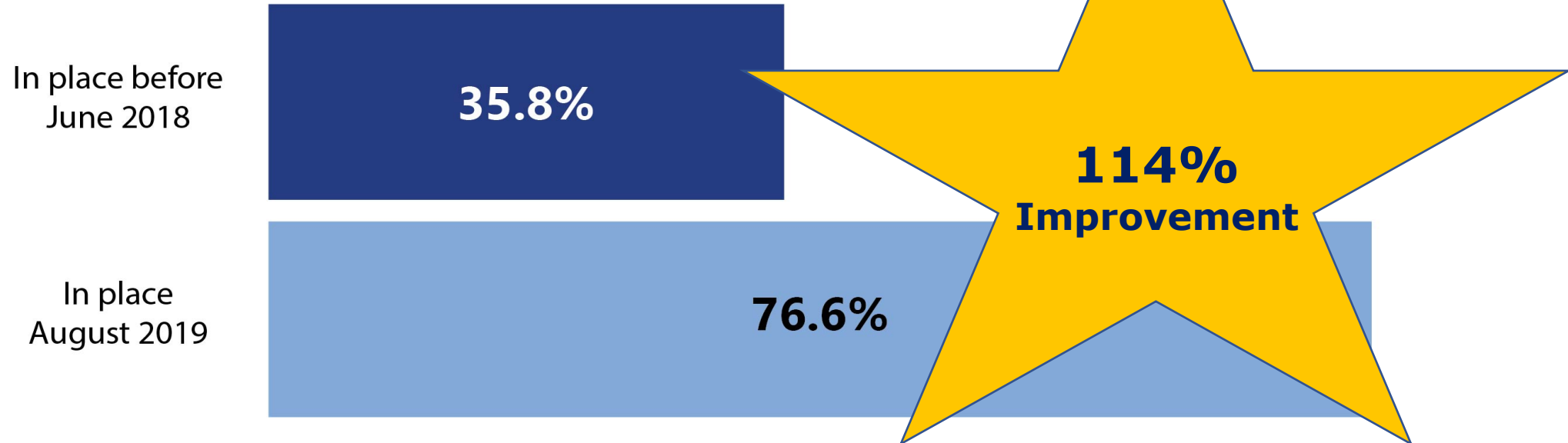


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AIM Obstetric Hemorrhage Bundle Structure Measures

Measures-Improvement from Baseline

Percent of hospitals with an OB hemorrhage policy and procedure (reviewed and updated in the last 2-3 years) that provides a unit-standard approach using a stage-based management plan with checklists



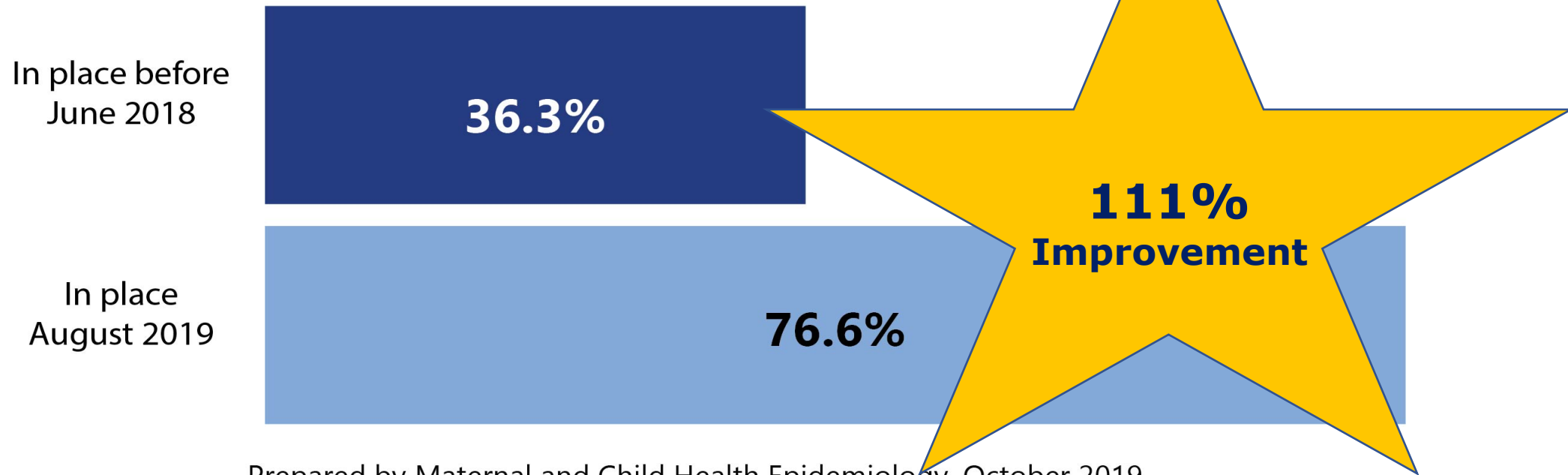
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Source: AIM Structure Measure Data: AIM Data Portal, Healthy Texas Mothers and Babies Branch, DSHS. For TexasAIM hospitals reporting on structure measures, the percentage of hospitals reporting the bundle component was in place before TexasAIM kickoff in June 2018 and in place through August 2019.

AIM Obstetric Hemorrhage Bundle Structure Measures

Improvement from Baseline

Percent of hospitals that have established a system to perform regular formal debriefs after cases with major complications.



Prepared by Maternal and Child Health Epidemiology, October 2019

Source: AIM Structure Measure Data: AIM Data Portal, Healthy Texas Mothers and Babies Branch, DSHS. For TexasAIM hospitals reporting on structure measures, the percentage of hospitals reporting the bundle component was in place before TexasAIM kickoff in June 2018 and in place through August 2019.

Thank you!

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