



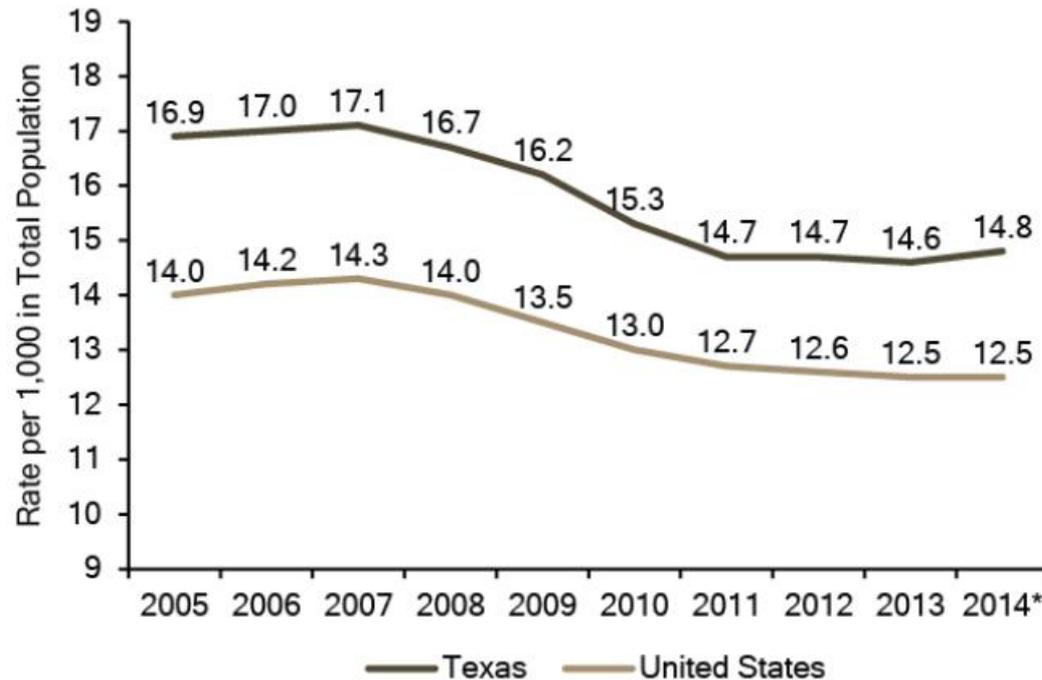
Infant and Maternal Health in Texas: A Public Health Perspective

Evelyn Delgado
Assistant Commissioner
Department of State Health Services

June 23, 2016

Birth Rate in Texas and U.S.

Birth Rate in Texas and The United States, 2005-2014



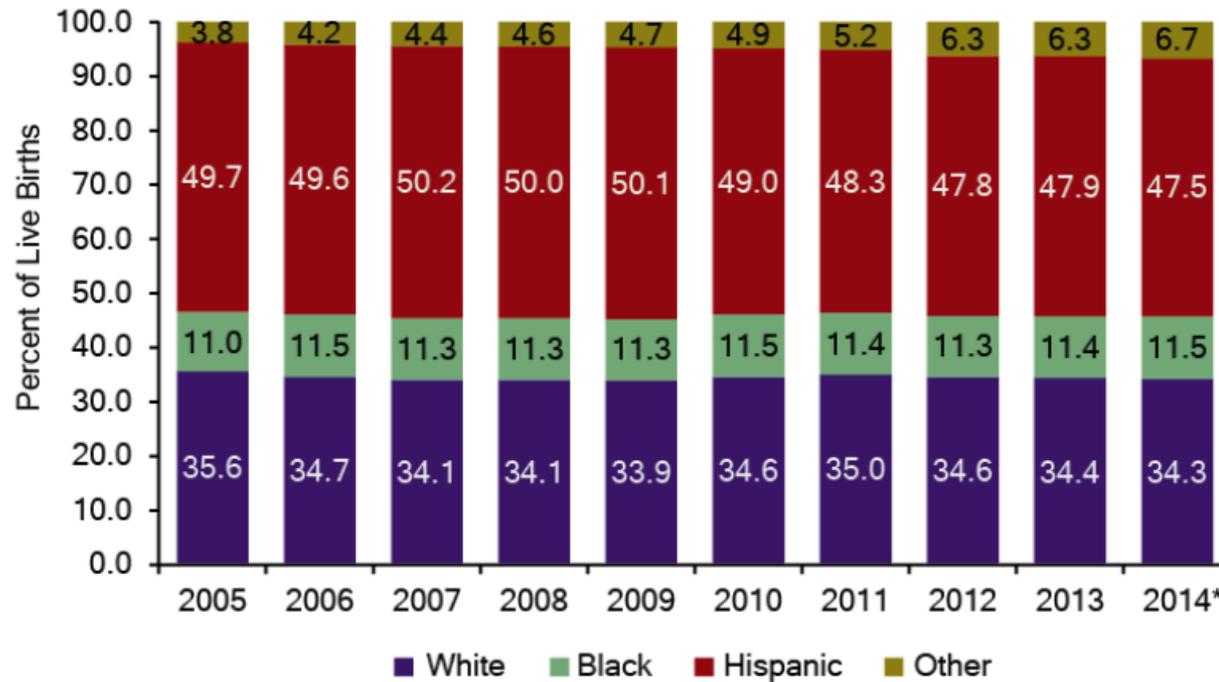
*2014 Texas and United States data are preliminary

Source: 2005-2014 Texas Birth Files,
National Center for Health Statistics

Prepared by: Office of Program Decision Support
Sept 2015

Ethnic Disparities in Birth Rate

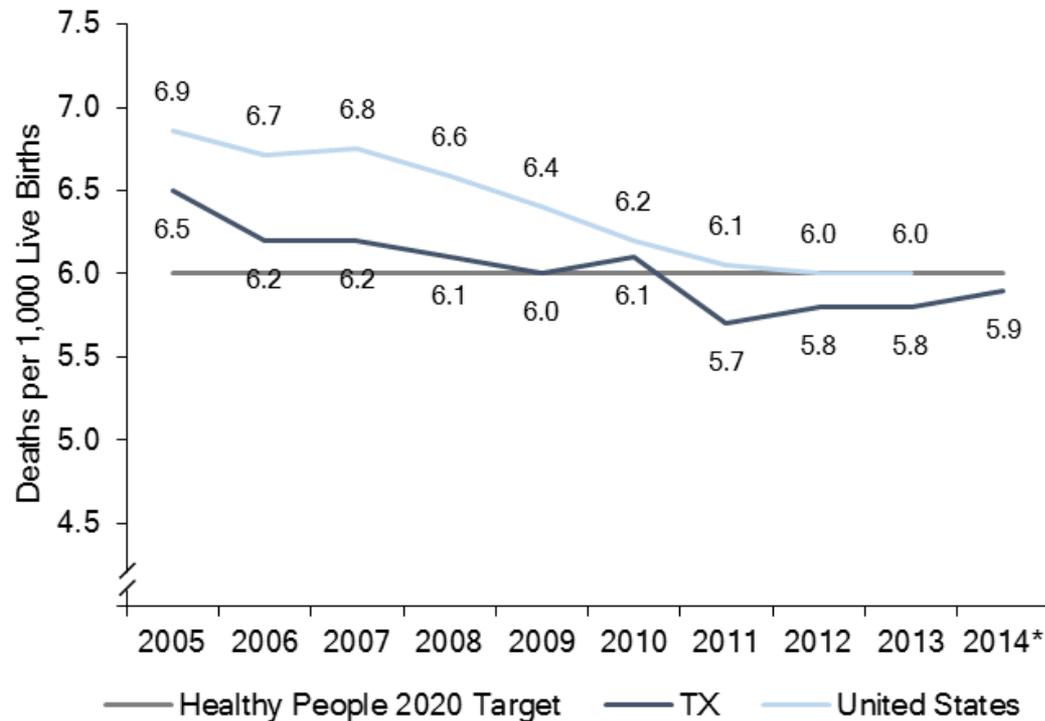
Distribution of Race/Ethnic Groups Among All Live Births, 2005-2014



*2014 Texas data are preliminary
 Source: 2005-2014 Birth Files
 Prepared by: Office of Program Decision Support
 Sept 2015

Infant Mortality in Texas and U.S.

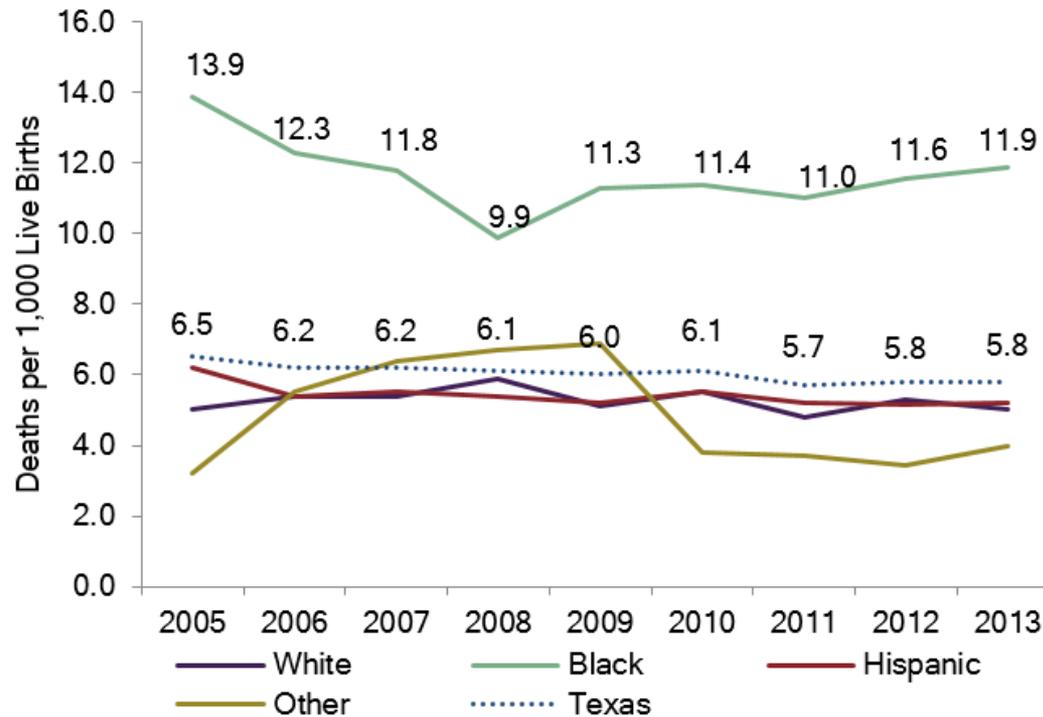
Infant Mortality Rate in Texas and the United States, 2005-2014



*2014 Texas and United States data are preliminary
 Source: 2005-2014 Texas Birth and Death Files,
 National Center for Health Statistics
 Prepared by: Office of Program Decision Support
 May 2016

Ethnic Disparities in Infant Mortality

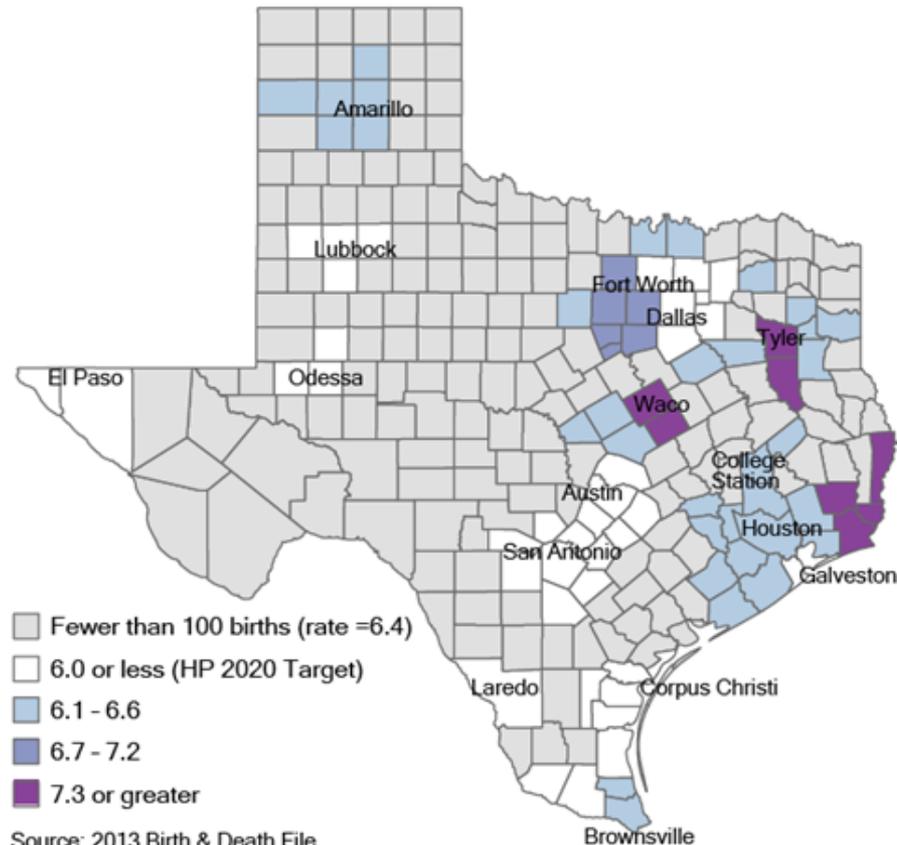
Infant Mortality Rate in Texas by Race/Ethnicity, 2005-2013



Source: 2005-2013 Birth & Death Files
Prepared by: Office of Program Decision Support
February 2016

Geographic Disparities in Infant Mortality

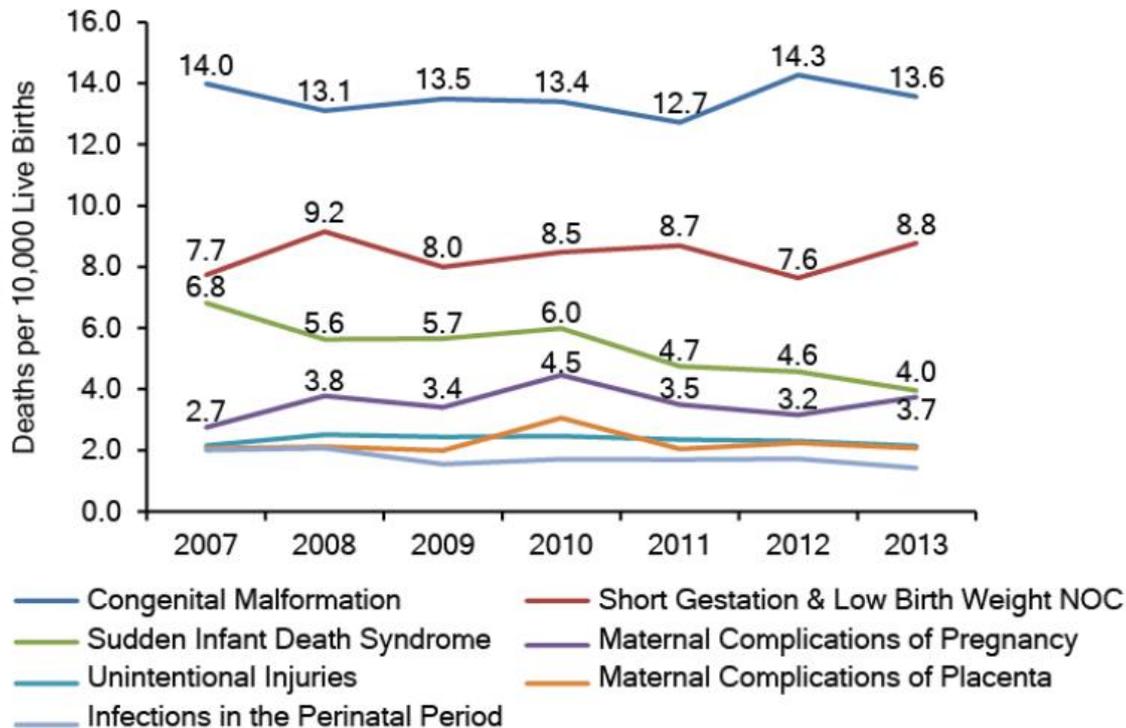
Infant Mortality Rate per 1,000 Live Births by
Select Communities, 2013



Source: 2013 Birth & Death File
Prepared by the Office of Program Decision Support
Sept 2015

Leading Causes of Infant Death

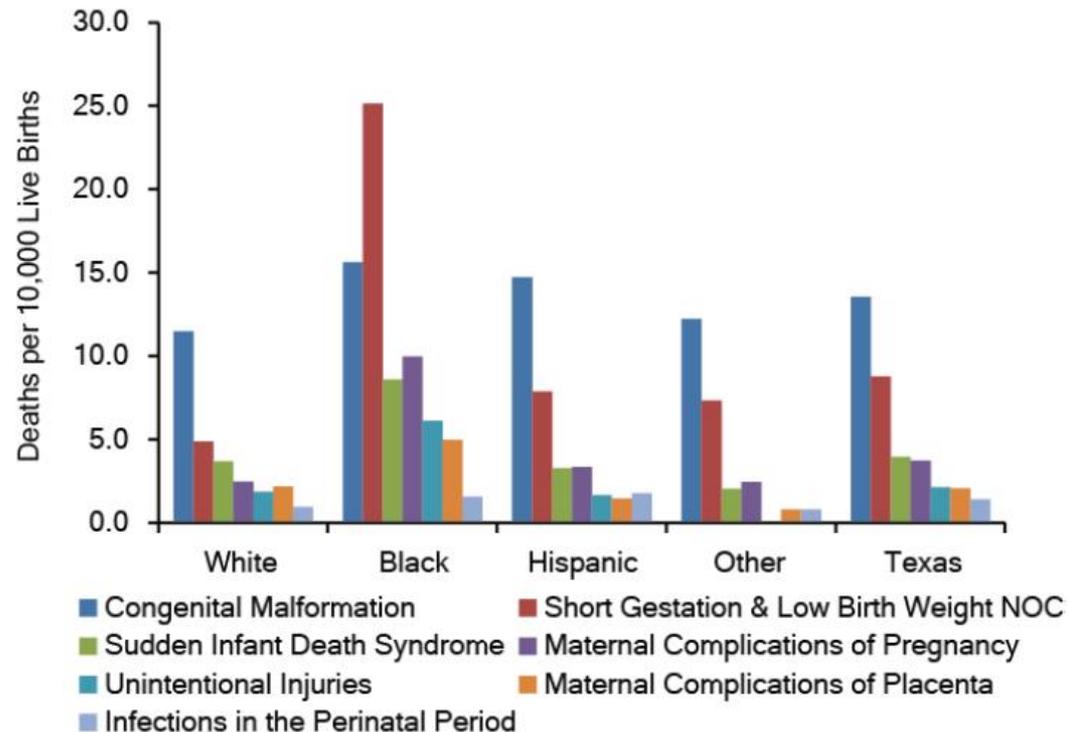
Leading Causes of Infant Death, 2007 - 2013



NOC: Not otherwise classified
 Source: 2007-2013 Death & Birth Files
 Prepared by: Office of Program Decision Support
 Sept 2015

Ethnic Disparities in Causes of Infant Death

Leading Causes of Infant Death by Race/Ethnicity, 2013



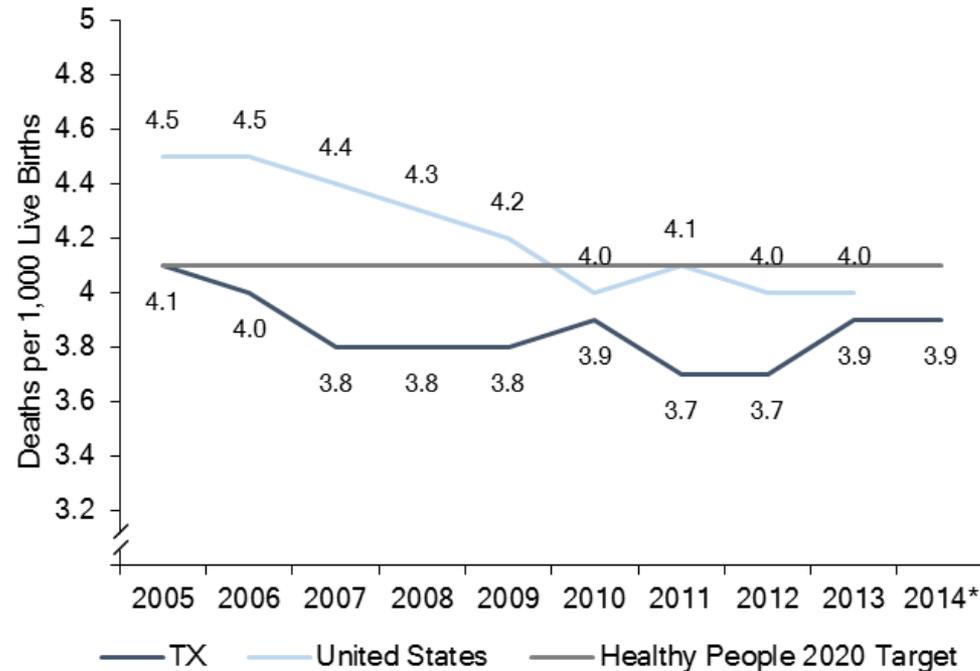
NOC: Not otherwise classified

Source: 2013 Death & Birth Files

Prepared by: Office of Program Decision Support

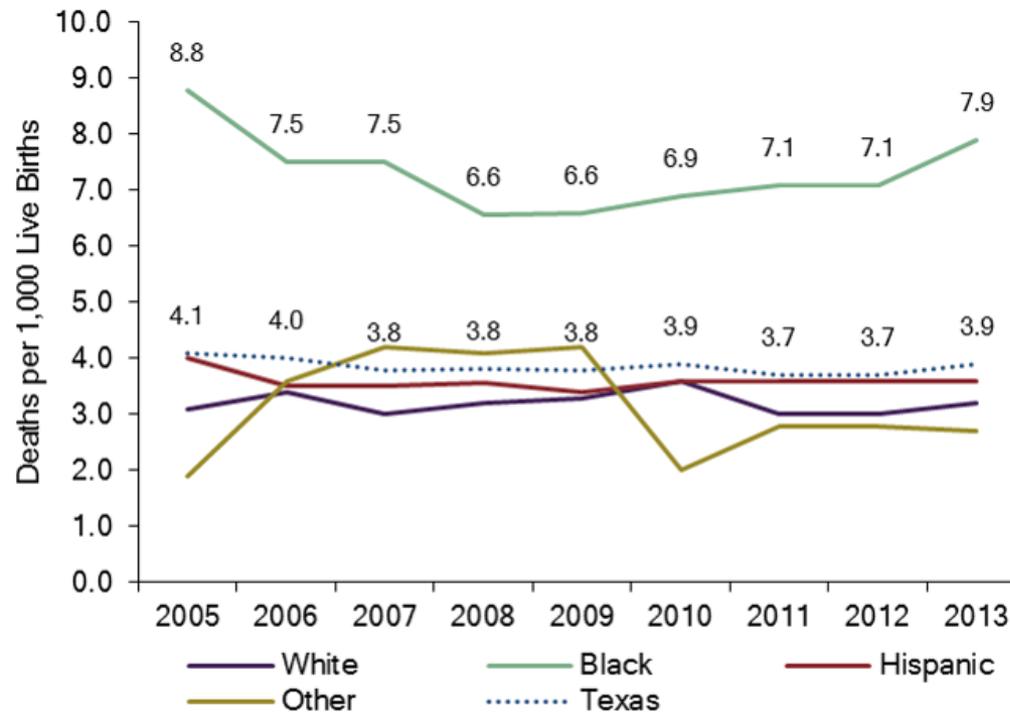
Sept 2015

Neonatal Mortality Rate in Texas and the United States, 2005-2014



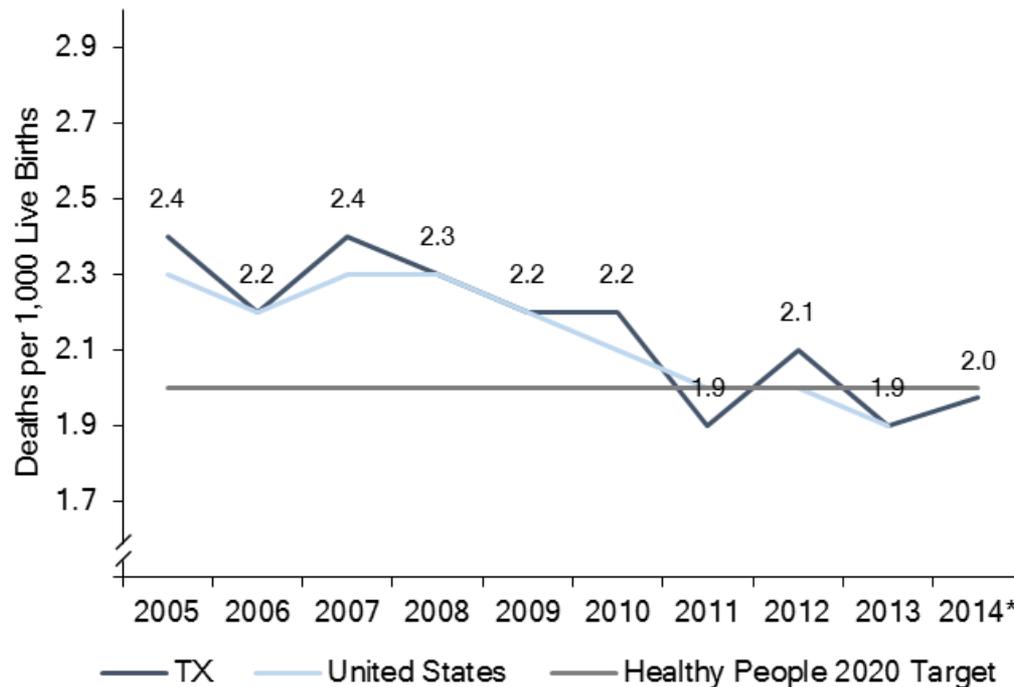
*2014 Texas and United States data are preliminary
 Source: 2005-2014 Texas Birth and Death Files,
 National Center for Health Statistics
 Prepared by: Office of Program Decision Support
 May 2016

Neonatal Mortality Rate in Texas by Race/Ethnicity, 2005-2013



Source: 2005-2014 Texas Birth and Death Files
Prepared by: Office of Program Decision Support
May 2016

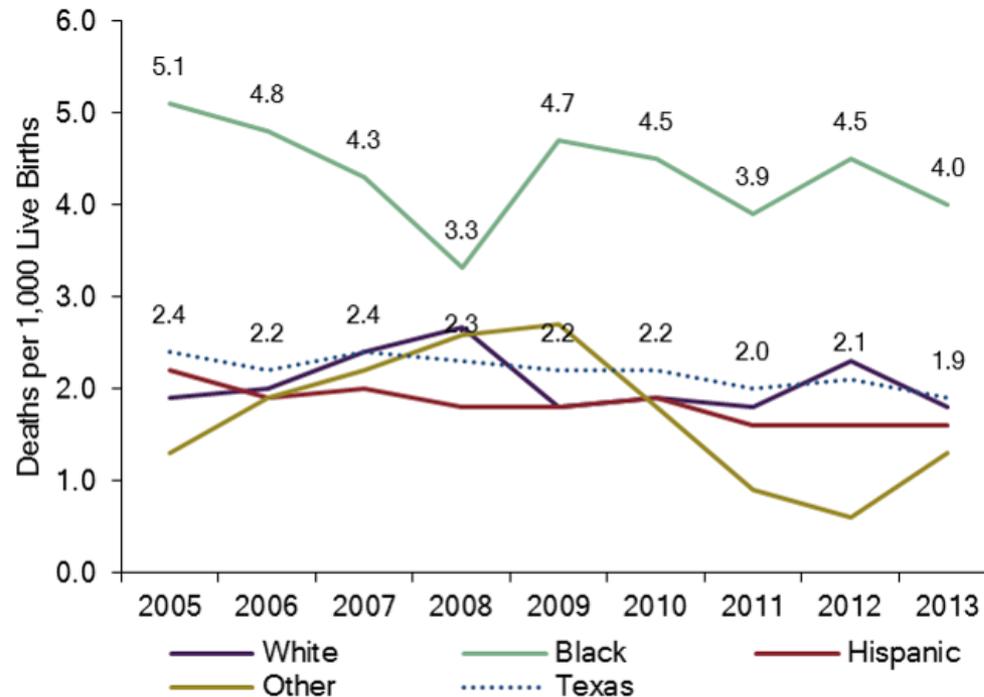
Postneonatal Mortality Rate in Texas and the United States, 2005-2014



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 Source: 2005-2014 Texas Birth and Death Files,
 National Center for Health Statistics
 Prepared by: Office of Program Decision Support
 May 2016

Ethnic Disparities in Postneonatal Mortality

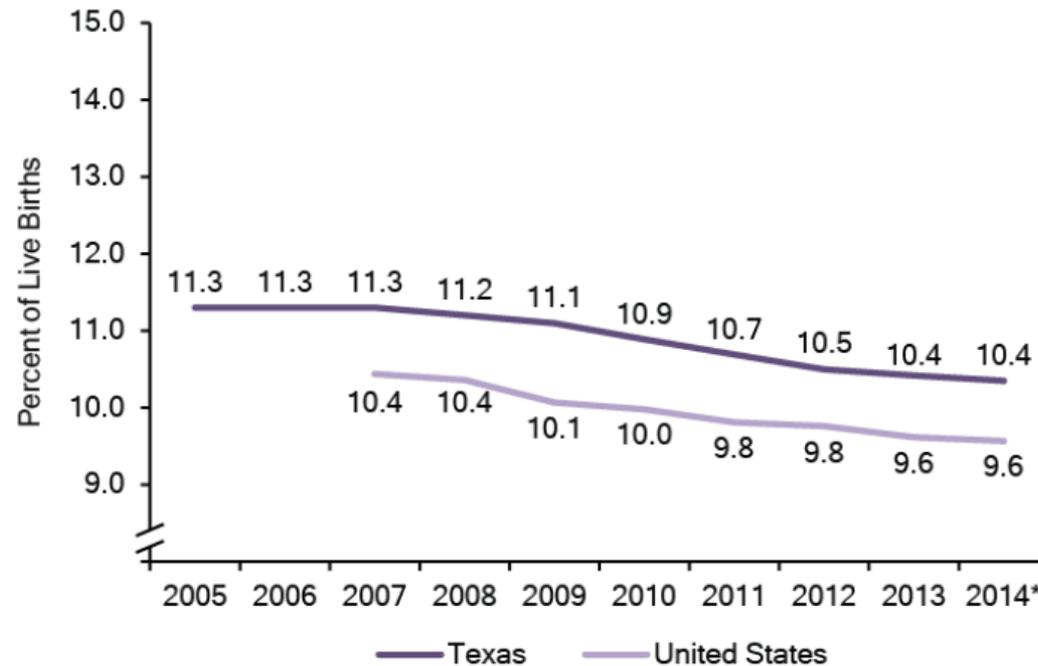
Postneonatal Mortality Rate in Texas by Race/Ethnicity, 2005-2013



Source: 2005-2014 Texas Birth and Death Files
Prepared by: Office of Program Decision Support
May 2016

Preterm Births in Texas and U.S.

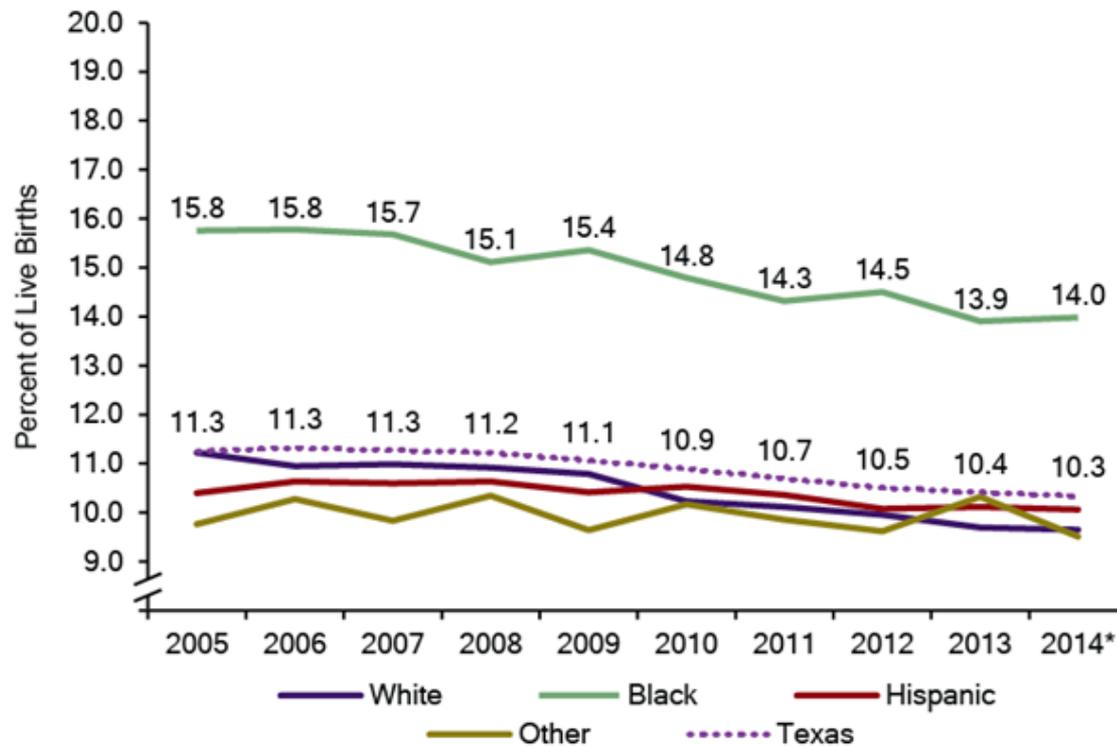
Percent of Live Births Born Preterm (less than 37 weeks) in Texas and United States Using Obstetric Estimate of Gestation, 2005-2014



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 Source: 2005-2014 Texas Birth Files,
 National Center for Health Statistics
 Prepared by: Office of Program Decision Support
 Sept 2015

Ethnic Disparities in Preterm Births

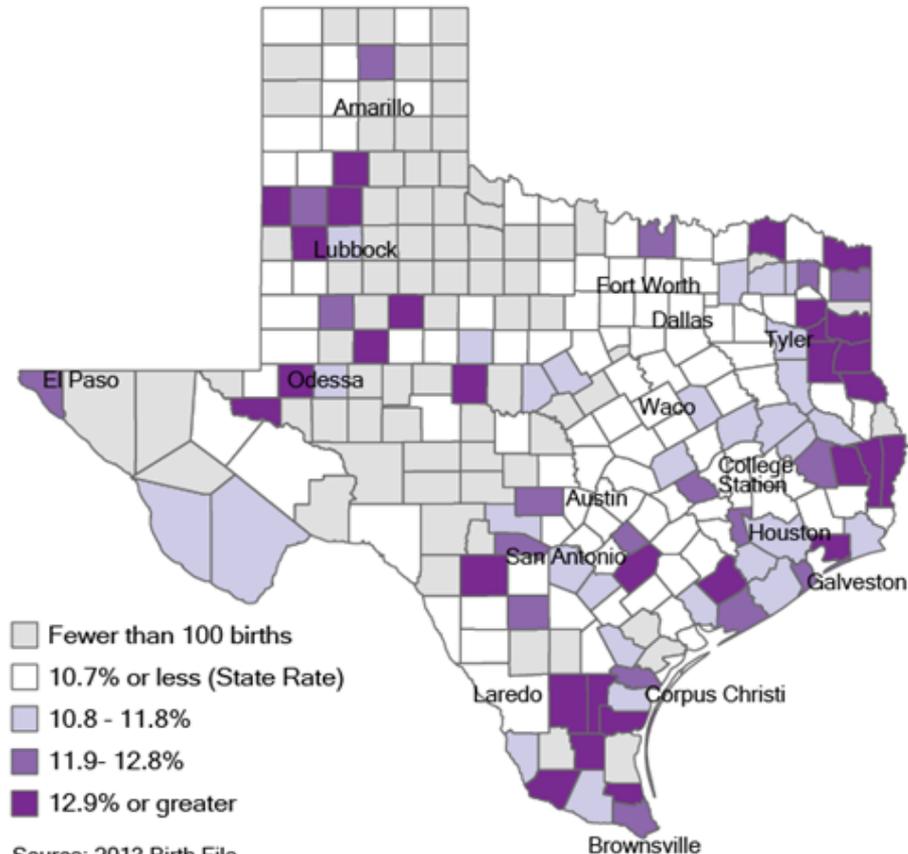
Percent of Live Births Born Preterm (less than 37 weeks) in Texas by Race/Ethnicity Using Obstetric Estimate of Gestation, 2005-2014



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Source: 2005-2014 Texas Birth Files
Prepared by: Office of Program Decision Support
Sept 2015

Geographic Disparities in Preterm Births

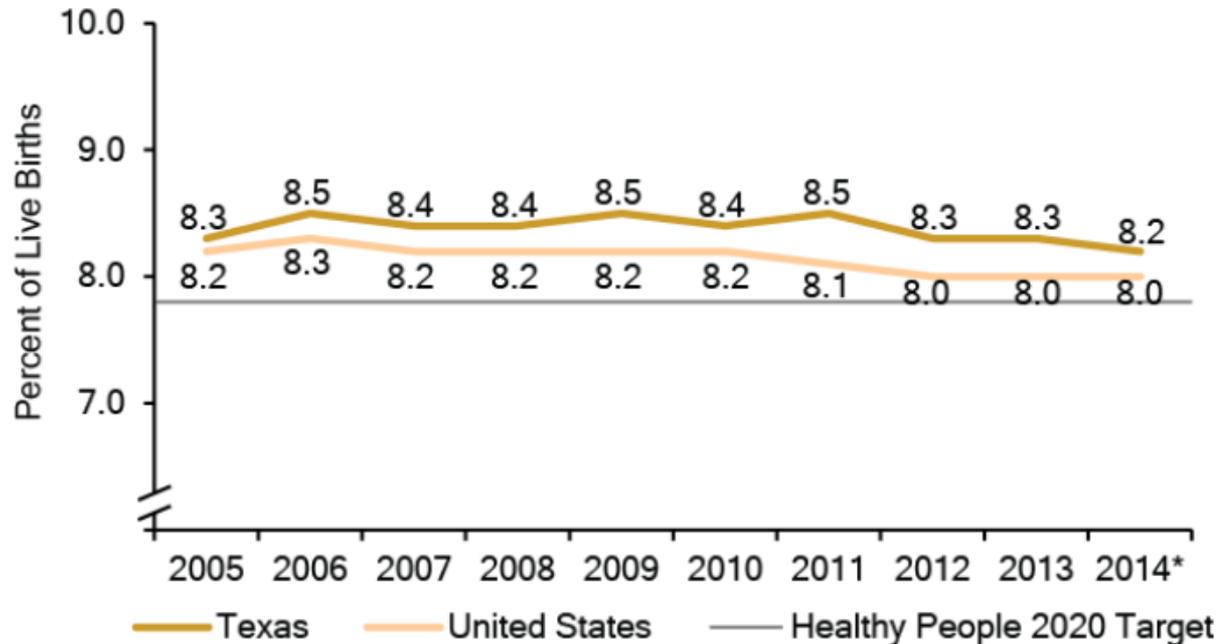
Percent of Live Births that Were Preterm (less than 37 weeks)
Using Obstetric Estimate of Gestation, 2013



Source: 2013 Birth File
Prepared by the Office of Program Decision Support
Sept 2015

Low Birth Weight in Texas and U.S.

Percent of Births that are Low Birth Weight (less than 2500 g) in Texas and the United States, 2005-2014



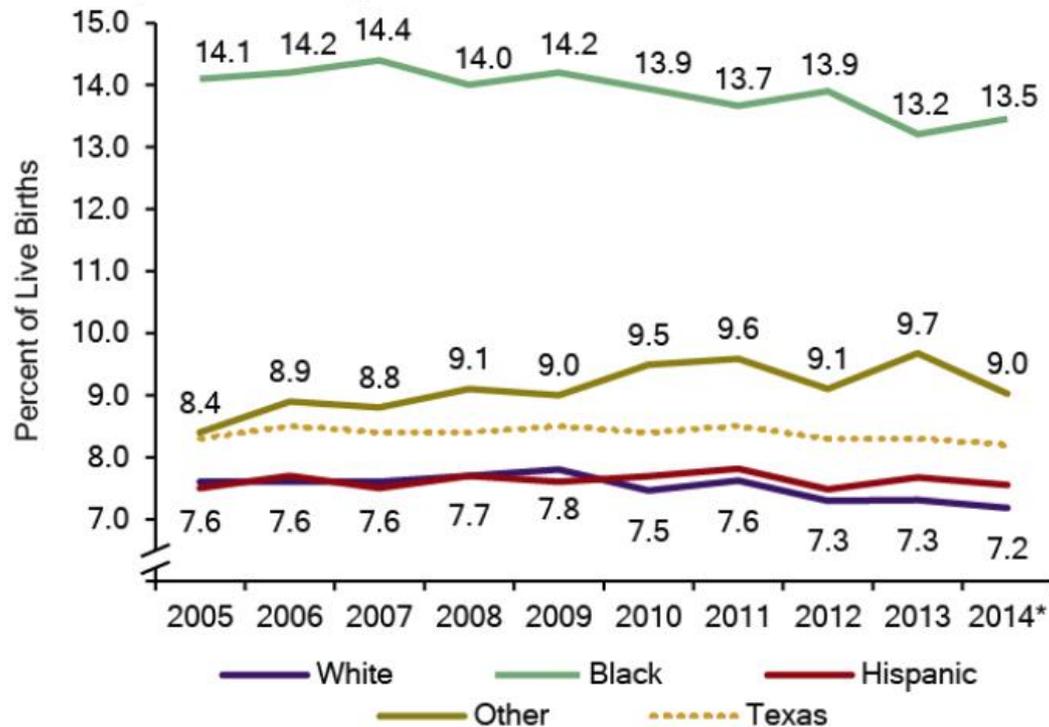
*2014 Texas and United States data are preliminary

Source: 2005-2014 Texas Birth & Death Files,
National Center for Health Statistics

Prepared by: Office of Program Decision Support
Sept 2015

Ethnic Disparities in Low Birth Weight

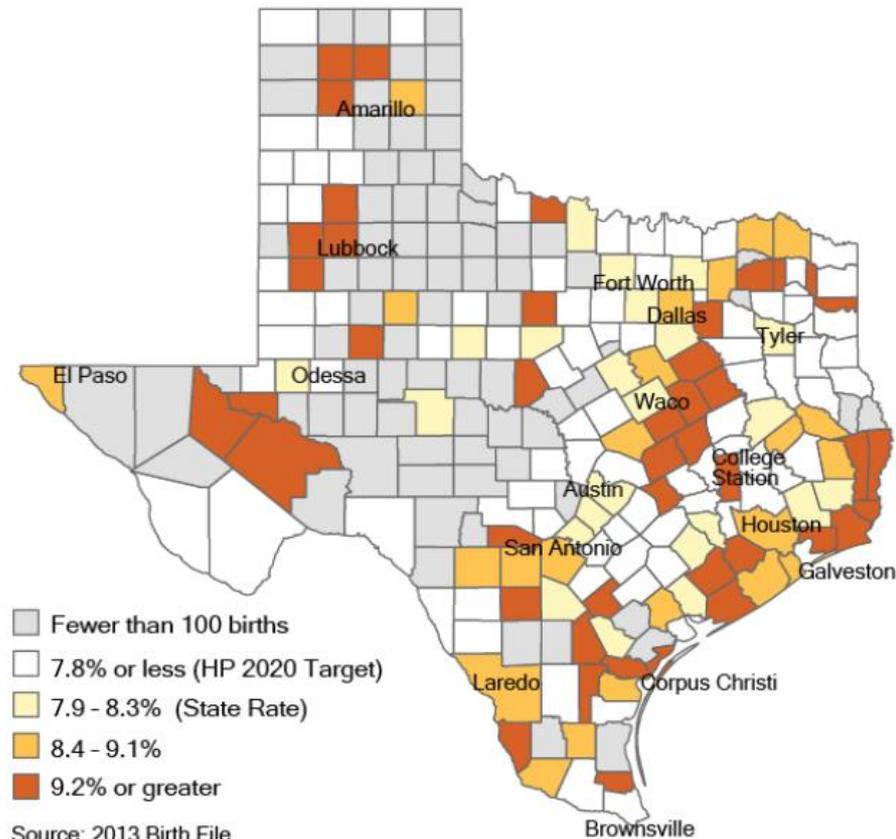
Percent of Births that are Low Birth Weight (less than 2500 g) in Texas by Race/Ethnicity, 2005-2014



*2014 Texas data are preliminary
 Source: 2005-2014 Birth Files
 Prepared by: Office of Program Decision Support
 Sept 2015

Geographic Disparities in Low Birth Weight

Percent of Infants Born Low Birth Weight (less than 2500g), 2013

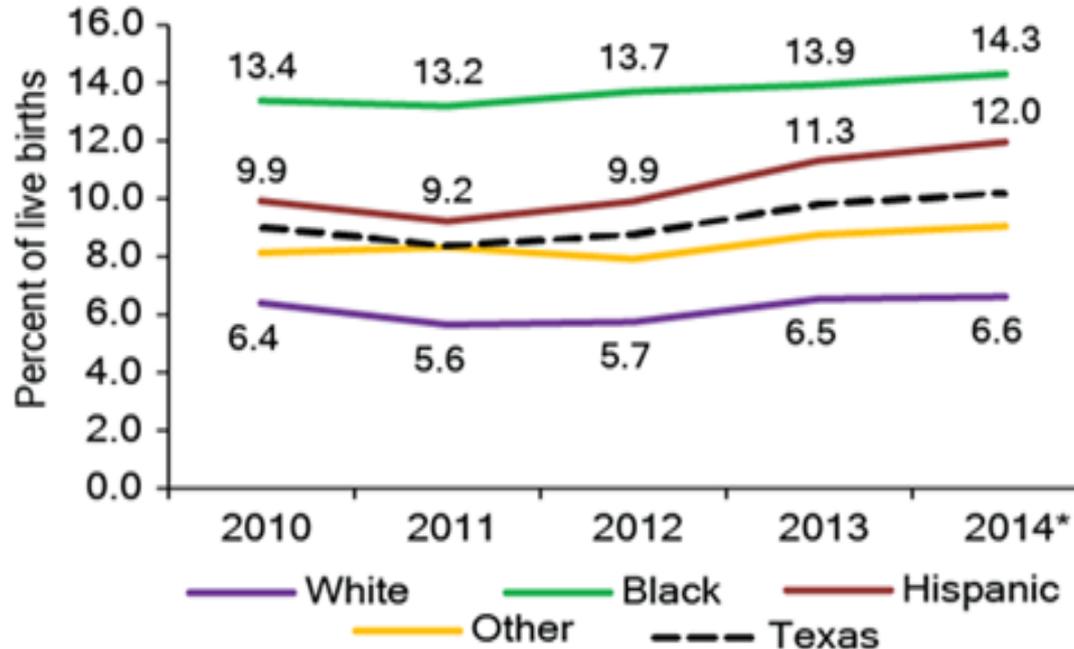


Medicaid Costs for Preterm Births/Low Birth Weight

- Approximately 53% of all Texas births (213,253) paid by Medicaid
- Over \$3.5 billion per year for birth and delivery-related services for moms and infants in the first year of life
- Medicaid newborn average costs:
 - Prematurity/low birth weight complications \$ 109,220
 - Full-term birth \$ 572
- In FY2015, Medicaid paid over \$402 million for newborns with prematurity and low birth weight. Care delivered in the neonatal intensive care unit (NICU) is now the costliest episode of medical care for the non-elderly population.

Ethnic Disparities in Prenatal Care Usage

Women who never received care or received care for the first-time within 8 weeks of giving birth by race/ethnicity, 2009-2014



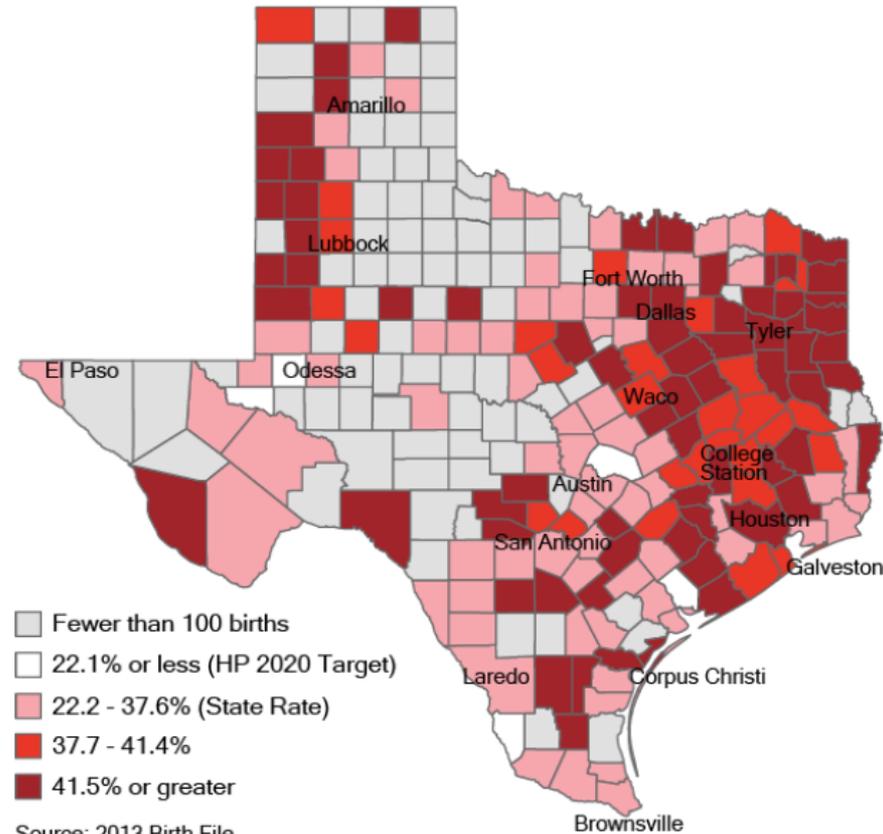
*2014 Texas data are preliminary

Source: 2010-2014 Birth Files

Prepared by: Office of Program Decision Support

Geographic Disparities in Early Prenatal Care Usage

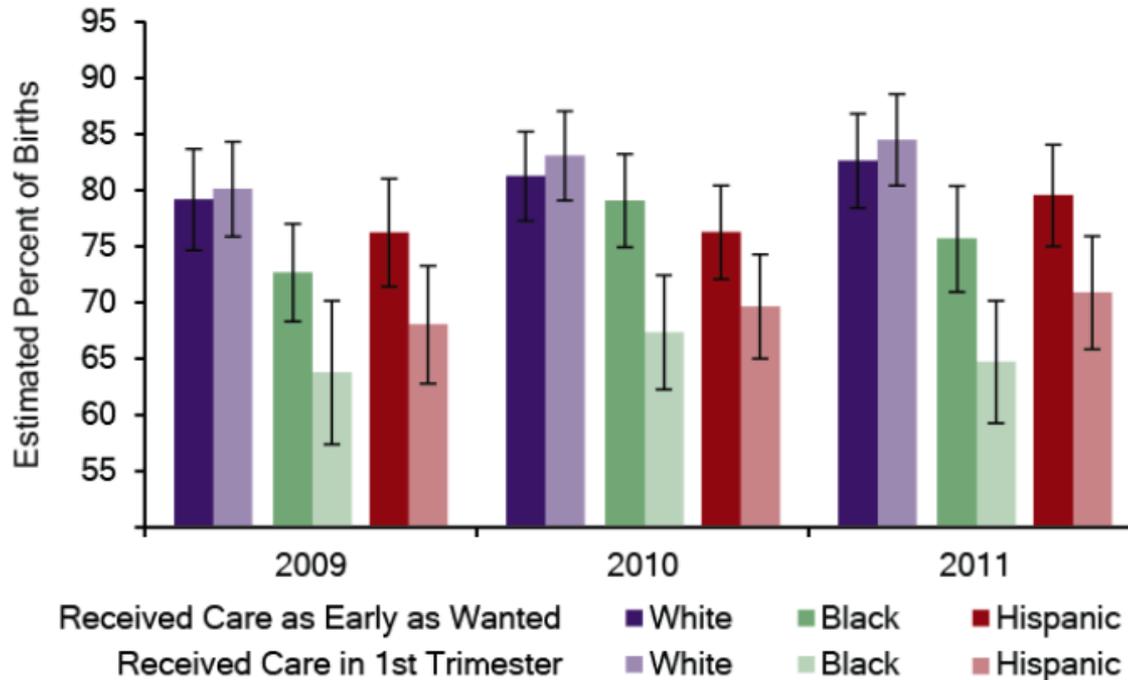
Percent of Live Births Not Receiving Prenatal Care
in the First Trimester (Obstetric Estimate), 2013



Source: 2013 Birth File
Prepared by the Office of Program Decision Support
Sept 2015

Ethnic Disparities in Seeking Early Prenatal Care

Comparing Percent of Women Receiving Prenatal Care in First Trimester and Early as Wanted by Race/Ethnicity, PRAMS 2009-2011

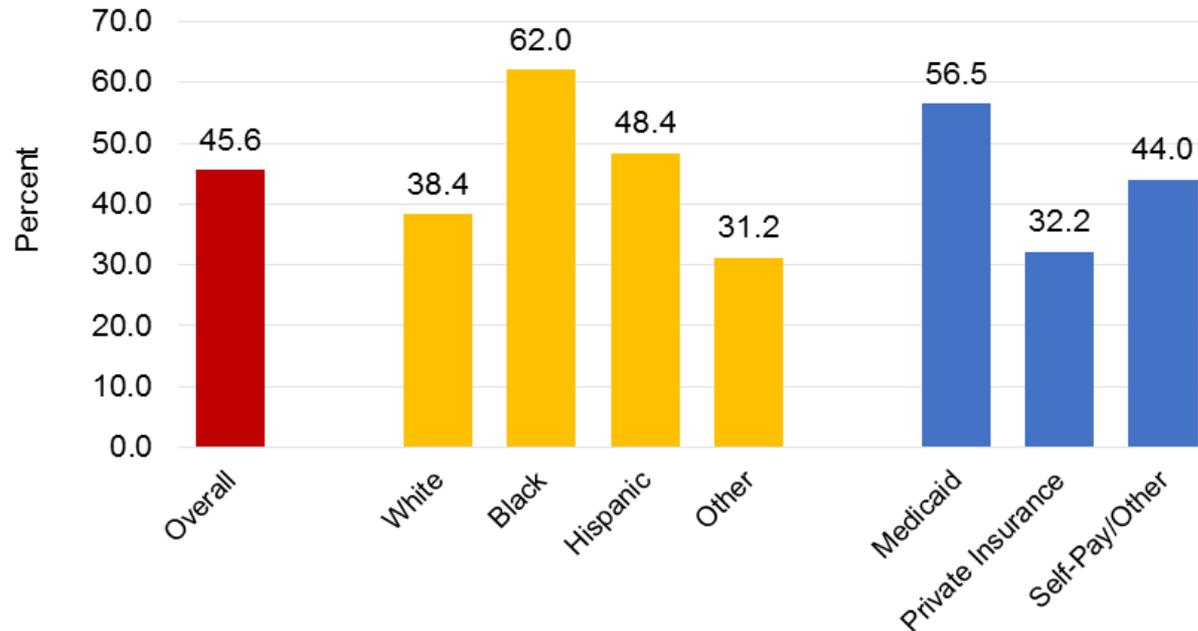


Note: Prenatal care timing is self-reported in PRAMS and is not comparable to data from the birth file

Source: 2009-2011 Texas PRAMS

Prepared by: Office of Program Decision Support
Sept 2015

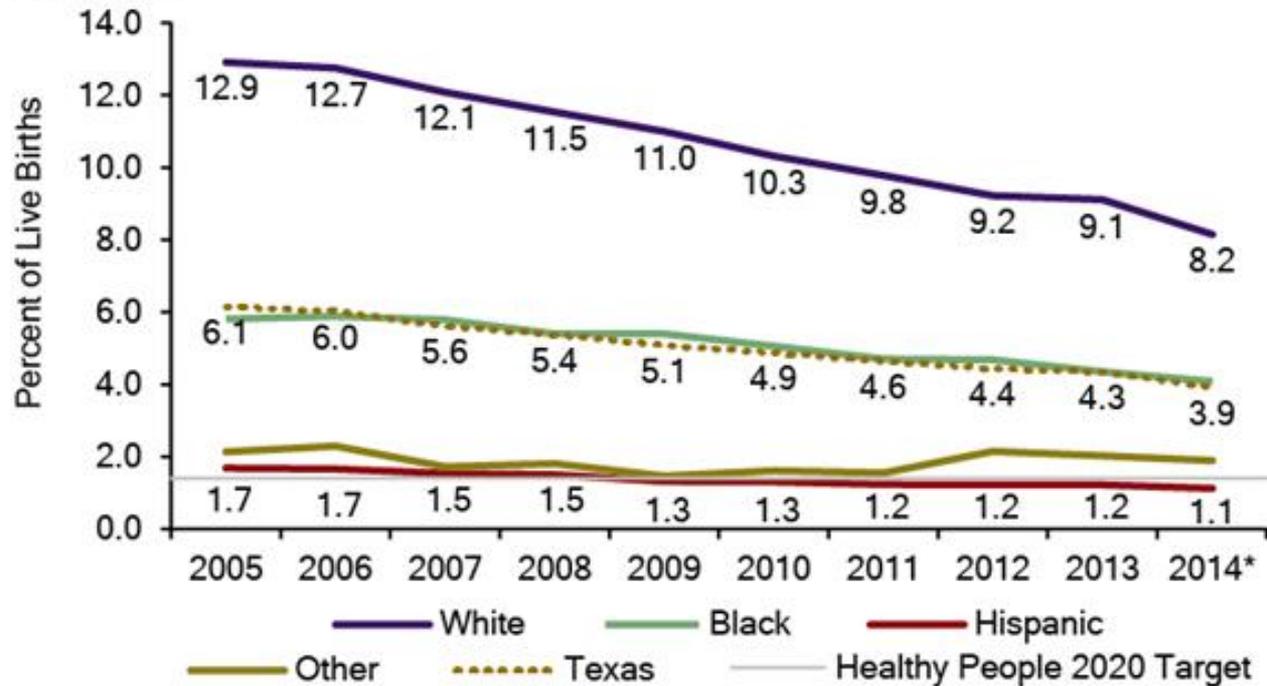
Percent of pregnancies that were reported to be unintended overall, by race/ethnicity, and by payer source, 2009-2011



Source: Pregnancy Risk Assessment Monitoring System, 2009-2011
Prepared by: Office of Program Decision Support, FCHS, DSHS, 2016

Smoking During Pregnancy

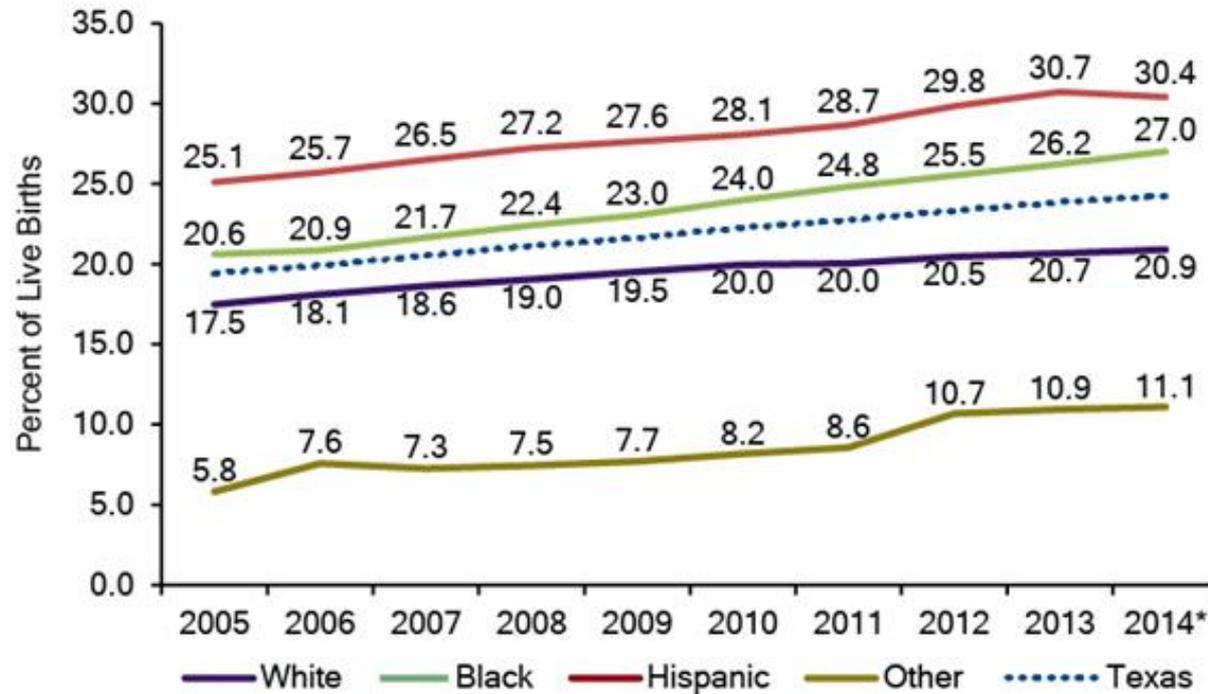
Percent of Live Births Where Mother Smoked Cigarettes During Pregnancy, 2005-2014



*2014 Texas data are preliminary
Source: 2005-2014 Birth Files
Prepared by: Office of Program Decision Support
Sept 2015

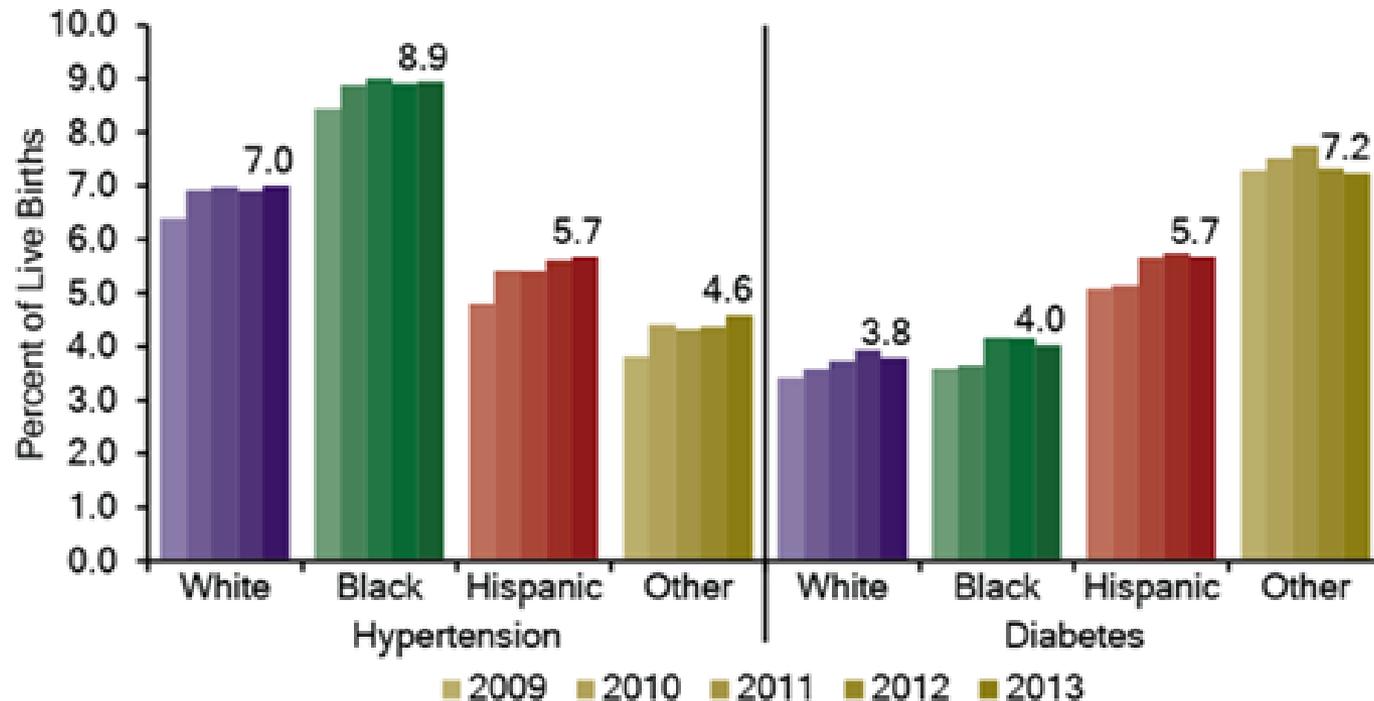
Ethnic Disparities in Maternal Obesity

Maternal Pre-pregnancy Obesity by Race/Ethnicity, 2005-2014



*2014 Texas data are preliminary
 Source: 2005-2014 Birth Files
 Prepared by: Office of Program Decision Support
 Sept 2015

Pregnant women with hypertension and/or diabetes by race/ethnicity, 2009-2013.



Data label is 2013 rate

Source: 2009-2013 Birth Files

Prepared by: Office of Program Decision Support

Infant and Maternal Health in Smith County

2014	Overall	Black
Live Births	3,149	506 (16%)
Infant Mortality	9.2 per 1,000 births	>9.2 per 1,000 births*
Neonatal Mortality	6.4 per 1,000 births	*
Postneonatal Mortality	*	*
Preterm Birth	9.0%	15.5%
Low Birth Weight	7.3%	16.1%
Early Prenatal Care	47.1%	37.4%
Maternal Hypertension	8.3%	11.9%
Maternal Diabetes	6.3%	6.1%

Data sources: 2014 Natality File, Provisional, Center for Health Statistics, DSHS, and 2014 Mortality File, Provisional, Center for Health Statistics, DSHS.

Table prepared by: Office of Program Decision Support, Division for Family and Community Health Services, 05/20/2016, mk, kr

*Indicates that the infant mortality rate is based on less than 15 infant deaths to Black mothers. Such low numbers may make individual cases identifiable; hence, these rates are suppressed due to HIPAA privacy concerns.

Infant and Maternal Health in Hidalgo County

2014	Overall	Hispanic
Live Births	16,324	15,846 (97%)
Infant Mortality	5.2 per 1,000 births	5.2 per 1,000 births
Neonatal Mortality	3.3 per 1,000 births	3.4 per 1,000 births
Postneonatal Mortality	1.9 per 1,000 births	1.8 per 1,000 births
Preterm Birth	10.9%	11.0%
Low Birth Weight	7.8%	7.8%
Early Prenatal Care	71.8%	71.6%
Maternal Hypertension	6.3%	6.3%
Maternal Diabetes	7.0%	6.9%

Data sources: 2014 Natality File, Provisional, Center for Health Statistics, DSHS, and 2014 Mortality File, Provisional, Center for Health Statistics, DSHS.

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- **DSHS Title V-Funded Community Needs Assessments of Infant and Maternal Health in Smith and Hidalgo Counties:**
 - **Contract with UTHSC-Tyler and UT System Population Health for FY 2017**
 - **Scientific analysis of archival data will be complemented with findings from community outreach surveys and focus groups**
 - **Goal is to inform and improve infant and maternal health in Smith and Hidalgo Counties, and help guide Healthy Families Project.**