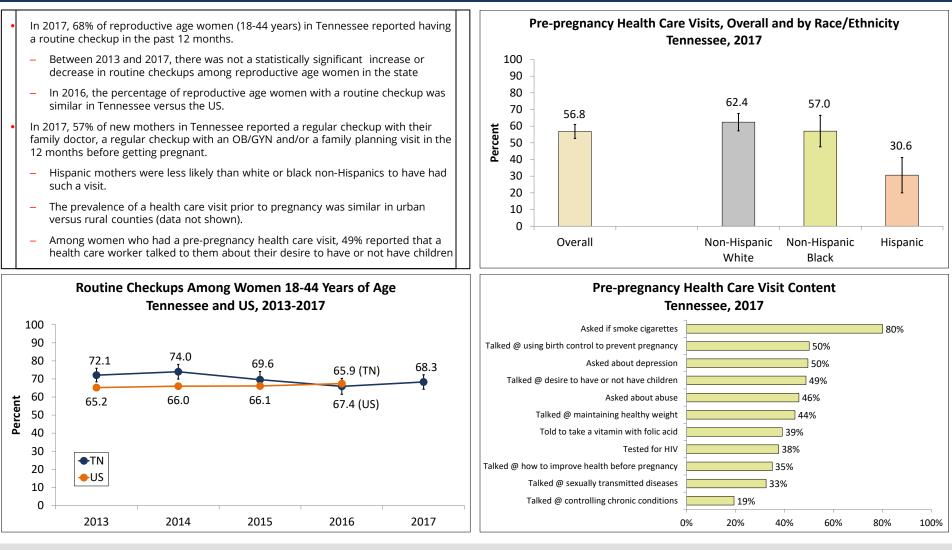


Needs Assessment

Women's and Maternal Health

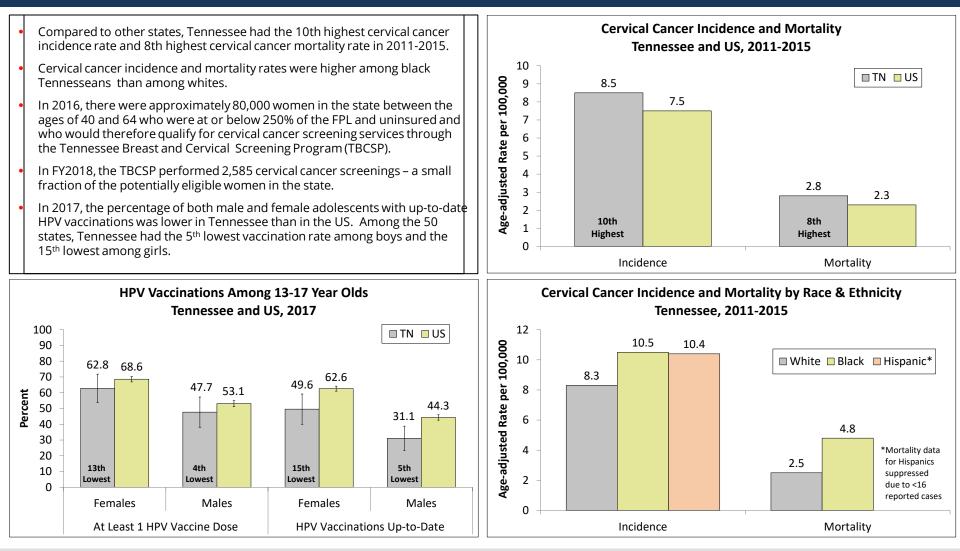
Well-Woman and Preconception Care



Data sources:

Department of Health Tennessee Department of Health; Division of Population Health Assessment; Behavioral Risk Factor Surveillance System and Pregnancy Risk Assessment Monitoring System. Statistical significance of comparisons by location/race determined by non-overlap of 95% confidence intervals.

Cervical Cancer Prevention & Early Detection



Data sources:

Department of

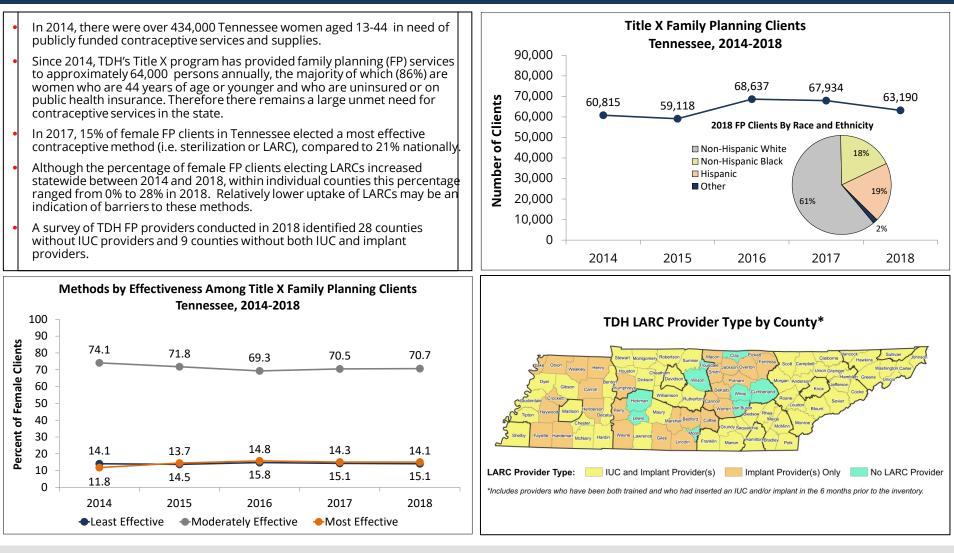
Health

1) U.S. Cancer Statistics Working Group. U.S. Cancer Statistics Data Visualizations Tool, based on November 2017 submission data (1999-2015): U.S. Department of Health and Human Services, Centers for Disease Control and Prevention and National Cancer Institute; www.cdc.gov/cancer/dataviz, June 2018. Race categories not mutually exclusive from Hispanic origin.

2) U.S. Census Bureau, Small Area Health Insurance Estimates. [Online] [Cited: Mar29, 2019.] https://www.census.gov/data-tools/demo/sahie/#/.

3) Centers for Disease Control and Prevention. TeenVaxView Interactive! [Online] [Cited: Mar 29, 2019.] https://www.cdc.gov/vaccines/imz-managers/coverage/teenvaxview/data-reports/index.html.

Contraception Access



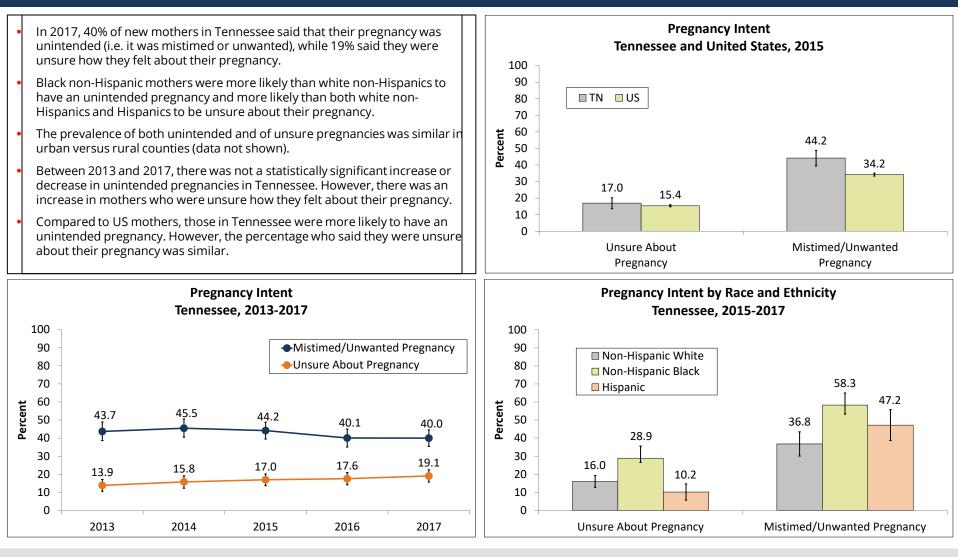
Data sources:

Health

1) https://data.guttmacher.org/states

2) Tennessee Department of Health; Patient Tracking Billing Management Information System. Accessed 27 March, 2019. Department of 3) Fowler, C. I., Gable, J., Wang, J., & Lasater, B. (2018, August). Family Planning Annual Report: 2017 national summary. Research Triangle Park, NC: RTI International. LARC = long acting reversible contraceptive (IUCs and implants). IUC = intrauterine contraceptive.

Pregnancy Intent



Data sources:



1) Tennessee Department of Health; Division of Population Health Assessment; Pregnancy Risk Assessment Monitoring System. Denominator for unintended pregnancies excludes women who reported that they were unsure how they felt about their pregnancy. Statistical significance of comparisons by location/race determined by non-overlap of 95% confidence intervals. Statistical significance of time trends was determined using proc surveylogistic.

2) Centers for Disease Control and Prevention (https://www.cdc.gov/prams/prams-data/mch-indicators.html#). US data includes 34 states that met the required 55% response rate.

Prenatal Care

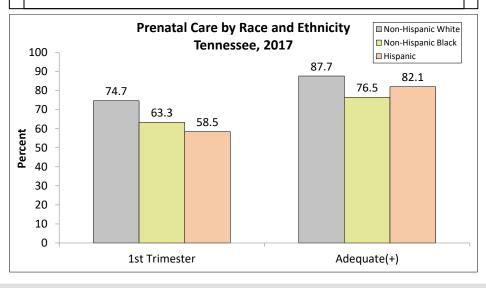
In 2017, 71% of infants born in Tennessee received prenatal care in the first trimester and 85% received adequate or adequate plus care.

Between 2013 and 2017, there was not a statistically significant increase or decrease in the percentage of infants receiving first trimester care or in the percentage receiving adequate or adequate plus care.

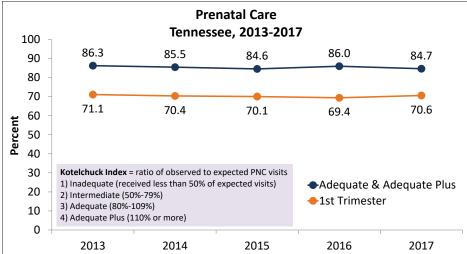
White non-Hispanics were more likely to receive first trimester and adequate/adequate plus care than black non-Hispanics or Hispanics.

Although black non-Hispanics were more likely than Hispanics to receive first trimester care, they were less likely to receive adequate or adequate plus care.

Among TDH regions, the percentage of infants receiving first trimester care ranged from 64% to 78% and the percentage receiving adequate or adequate plus care ranged from 73% to 96%.



Department of Health

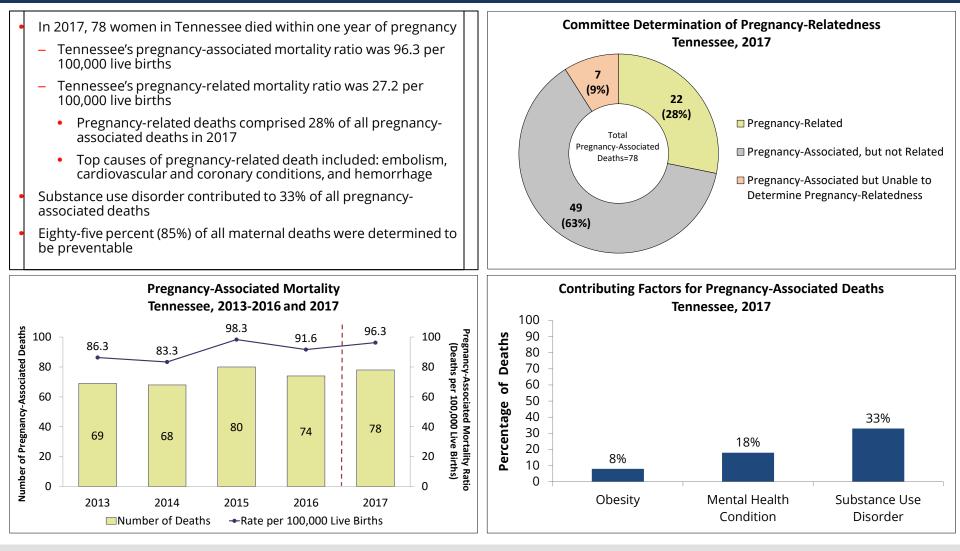


Prenatal Care by TDH Region, Tennessee, 2017

Region	First Trimester (%)	Adequate/Adequate + (%)
Davidson	68.6	78.1
East	72.5	91.7
Hamilton	64.4	88.9
Knox	76.2	95.8
Madison	75.6	81.6
Mid-Cumberland	71.3	87.1
Northeast	75.9	81.6
Northwest	72.8	89.1
Shelby	66.6	72.8
South Central	69.0	89.4
Southeast	66.2	88.8
Southwest	74.3	83.5
Sullivan	77.5	79.2
Upper-Cumberland	75.6	91.8

Data source: Tennessee Department of Health; Division of Vital Records and Statistics; Birth Statistical System.

Maternal Mortality



Data sources:

Health

1) Tennessee Department of Health; Division of Vital Records and Statistics; Birth, Death and Fetal Death Statistical Systems (2013-2016).

Department of 2) Tennessee Department of Health; Division of Family Health and Wellness; Maternal Mortality Review Program (2017).

A pregnancy-associated death is a death during pregnancy or within one year of the end of pregnancy from any cause. A pregnancy-related death is a subset of the above that occurs from a pregnancy complication, a chain of events initiated by pregnancy, or the aggravation of an unrelated condition by the physiologic effects of pregnancy.

Maternal Opioid Use

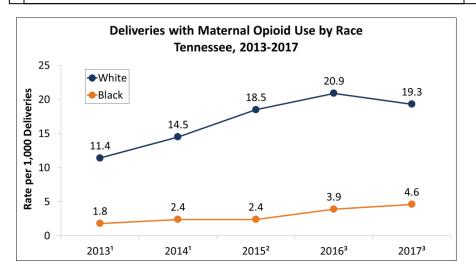
In 2017, there were 76,160 hospitalizations for delivery among Tennessee residents aged 15-44.* Among these hospitalizations, there were 3,192 deliveries (42 out of every 1,000) that also had a maternal substance use diagnosis and 1,084 (14/1,000) that also had a maternal opioid use diagnosis.‡

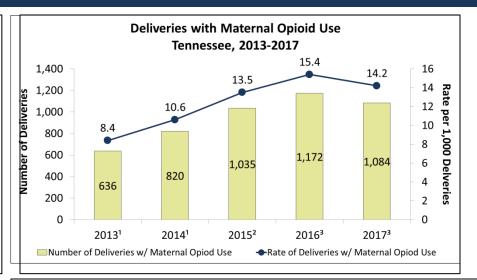
The rate of deliveries with maternal opioid use increased over 80% between 2013 and 2016. However, there was an 8% decrease between 2016 and 2017.

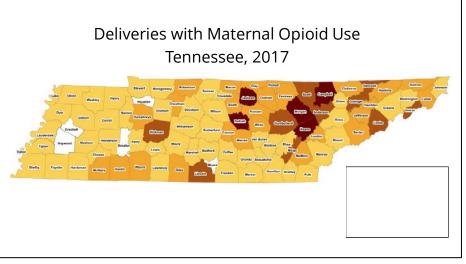
The rate of deliveries with maternal opioid use increased at a faster pace among blacks (155% increase) than among whites (83% increase) between 2013 and 2016. Although the rate among whites decreased between 2016 and 2017, it continued to increase among blacks during this time.

Despite the trends observed above, the rate of deliveries with maternal opioid use was still over four times as high among whites compared to blacks in 2017.

In 2017, the rate of deliveries with maternal opioid use ranged from 0/1,000 in Crockett, Decatur, Haywood, Houston and Moore counties to 78.4/1,000 in Jackson County.



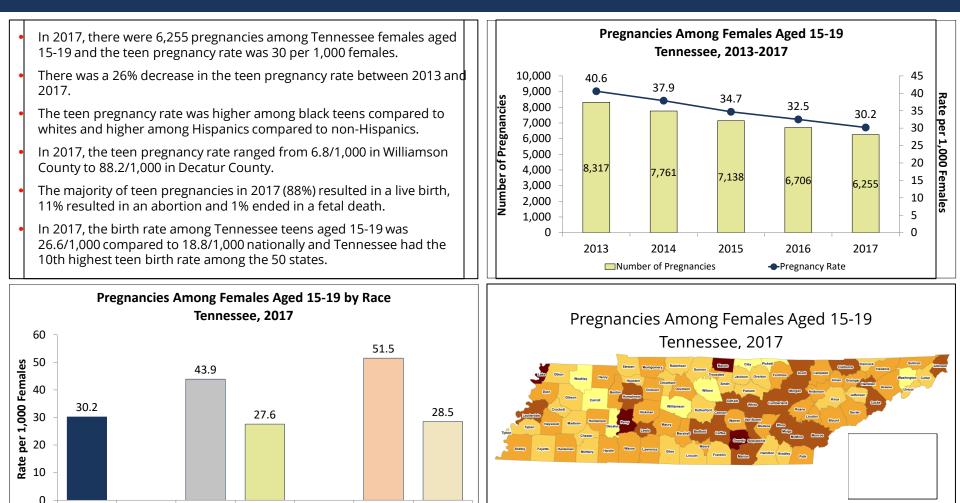






Data source: Tennessee Department of Health, Division of Population Health Assessment, Hospital Discharge Data System (HDDS). Results are preliminary. *Deliveries include live births and stillbirths. ¹ ICD-9-CM coded data. ² Coded as ICD-9-CM until September 30, 2015 and coded as ICD-10-CM from October 1st 2015 to December 31st 2015. ³ ICD-10-CM coded data ‡Substance use includes alcohol, cannabis, cocaine, opioids, other substances (hallucinogens, psychostimulants, sedatives, antidepressants, absinthe, glue, inhalants, and phencyclidine), and unspecified drugs.

Teen Pregnancy



Data sources:

Black

White

Hispanic

Non-Hispanic

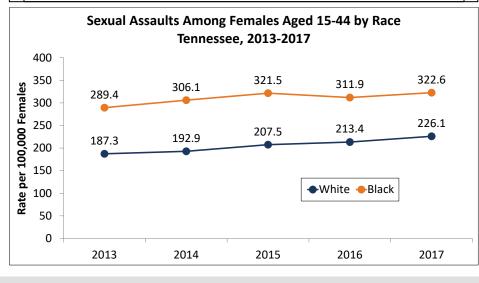
ΤN

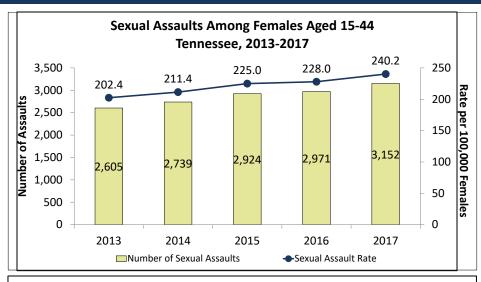
1) Tennessee Department of Health; Division of Vital Records & Statistics; Birth, Fetal Death and Induced Termination of Pregnancy Statistical Systems and population estimates based on interpolated data from the U.S. Census's Annual Estimates of the Resident Population. Race categories are not mutually exclusive from Hispanic origin. 2) Martin JA, Hamilton BE, Osterman MJK, Driscoll AK, Drake P. Births: Final data for 2017. National Vital Statistics Reports; vol 67 no 8. Hyattsville, MD: National Center for Health Statistics. 2018.

Sexual Violence

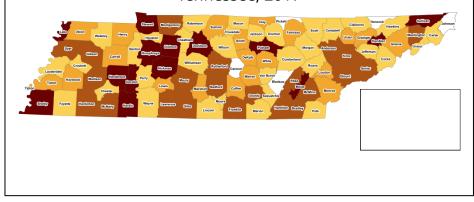
Results of the 2010-2012 National Intimate Partner and Sexual Violence Survey found that the lifetime prevalence of sexual violence victimization among Tennessee women was 36%. In other words, approximately 1 out of every 3 women in the state experience sexual violence in their lifetime.

- In 2017, there were 3,152 sexual assaults among Tennessee women aged 15-44 years of age reported to the Tennessee Bureau of Investigation and the sexual assault rate was 240 per 100,000 females.
- The rate of sexual assault increased 19% between 2013 and 2017. Although this increase was observed among both black and white women, blacks were 43% more likely than whites to be the victims of sexual assault in 2017.
- In 2017, the rate of sexual assault ranged from 0/100,000 in Bledsoe, Cannon, Hancock, Johnson and Pickett counties to 649/100,000 in Decatur County.
- The most commonly reported type of sexual assault in 2017 was forcible rape (53%), followed by forcible fondling (30%), statutory rape (9%), forcible sodomy (4%), sexual assault with object (3%) and incest (1%).





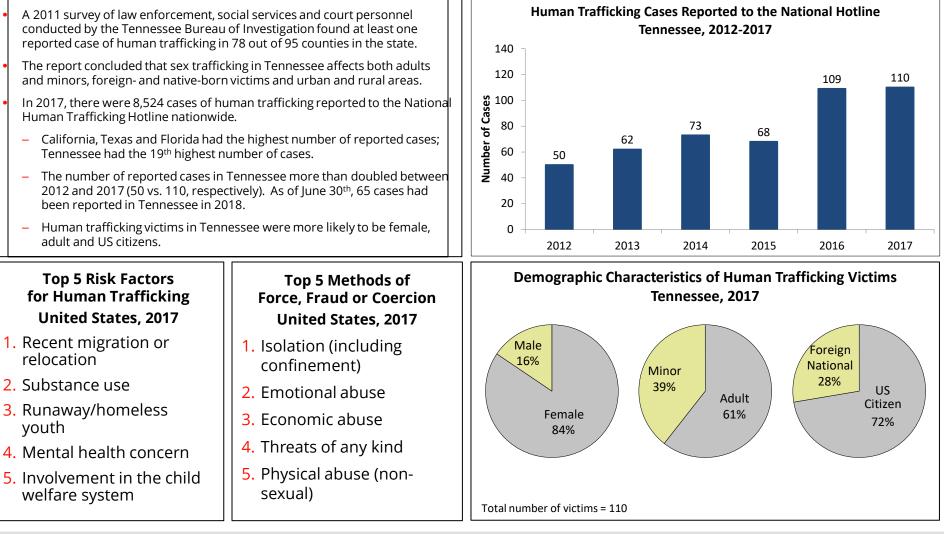
Sexual Assaults Among Females Aged 15-44 Tennessee, 2017





Data sources: 1) Smith SG, Chen J, Basile KC, Gilbert LK, Merrick MT, Patel N, Walling M, & Jain A (2017). The National Intimate Partner and Sexual Violence Survey: 2010-2012 State Report. Atlanta, GA: National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. Sexual violence includes rape, being made to penetrate someone else, sexual coercion, and/or unwanted sexual contact. 2) Tennessee Bureau of Investigation, Tennessee Incident Based Reporting System (TIBRS), accessed March 2019 at <u>https://crimeinsight.tbi.tn.gov/public/Browse/browsetables.aspx</u>. 3) Tennessee Department of Health; Division of Population Health Assessment. Population estimates based on interpolated data from the U.S. Census's annual estimates of the resident population.

Human Trafficking



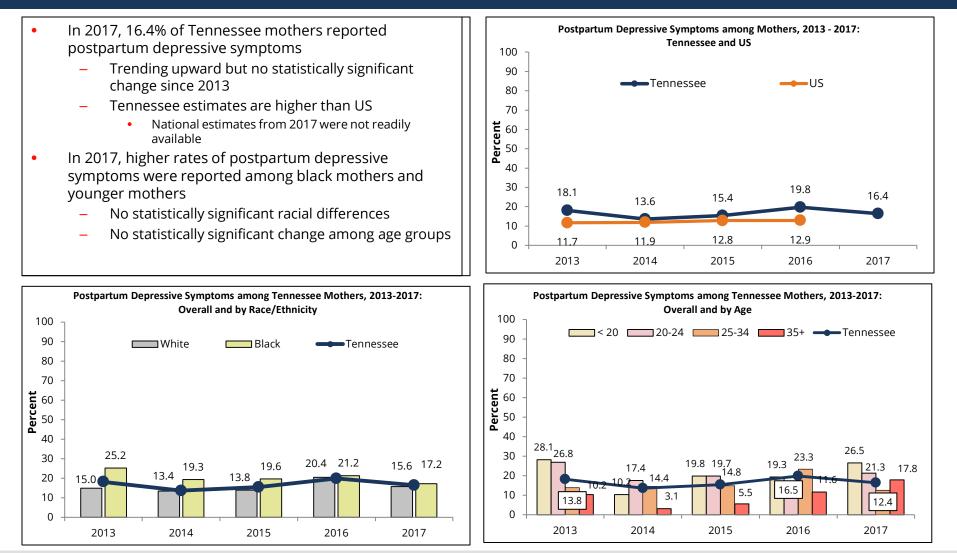


Data sources:

1) <u>https://www.tn.gov/content/dam/tn/tbi/documents/2011%20Tennessee%20Human%20Sex%20Trafficking%20and%20its%20Impact%20on%20Children%20and%20Youth.pdf</u> 2) <u>https://www.tn.gov/content/dam/tn/tbi/documents/2013%20The%20Geography%20of%20Trafficking%20in%20Tennessee.pdf</u>

3) https://polarisproject.org/

Postpartum Depressive Symptoms



Data Sources: ¹Tennessee Pregnancy Risk Assessment Monitoring System (PRAMS), 2013 – 2017; Tennessee Department of Health, Office of Population Health Surveillance; Division of Population Health Assessment. Prepared March 2019 by Division of Family Health and Wellness. ²CDC PRAMS Selected Maternal and Child Health Indicators for all PRAMS sites, 2012-2015.; Accessed March 25, 2019 here: https://www.cdc.gov/prams/pramstat/pdfs/mch-indicators/PRAMS-All-Sites-2012-2015-508.pdf

Department of

Health Data

Data Notes: Estimates determined by responding "Always" or "Often" to the following questions: "Since your new baby was born, how often have you felt down, depressed, or hopeless? and "Since your new baby was born, how often had you had little interest or little pleasure in doing things you usually enjoyed?" (Postpartum)