



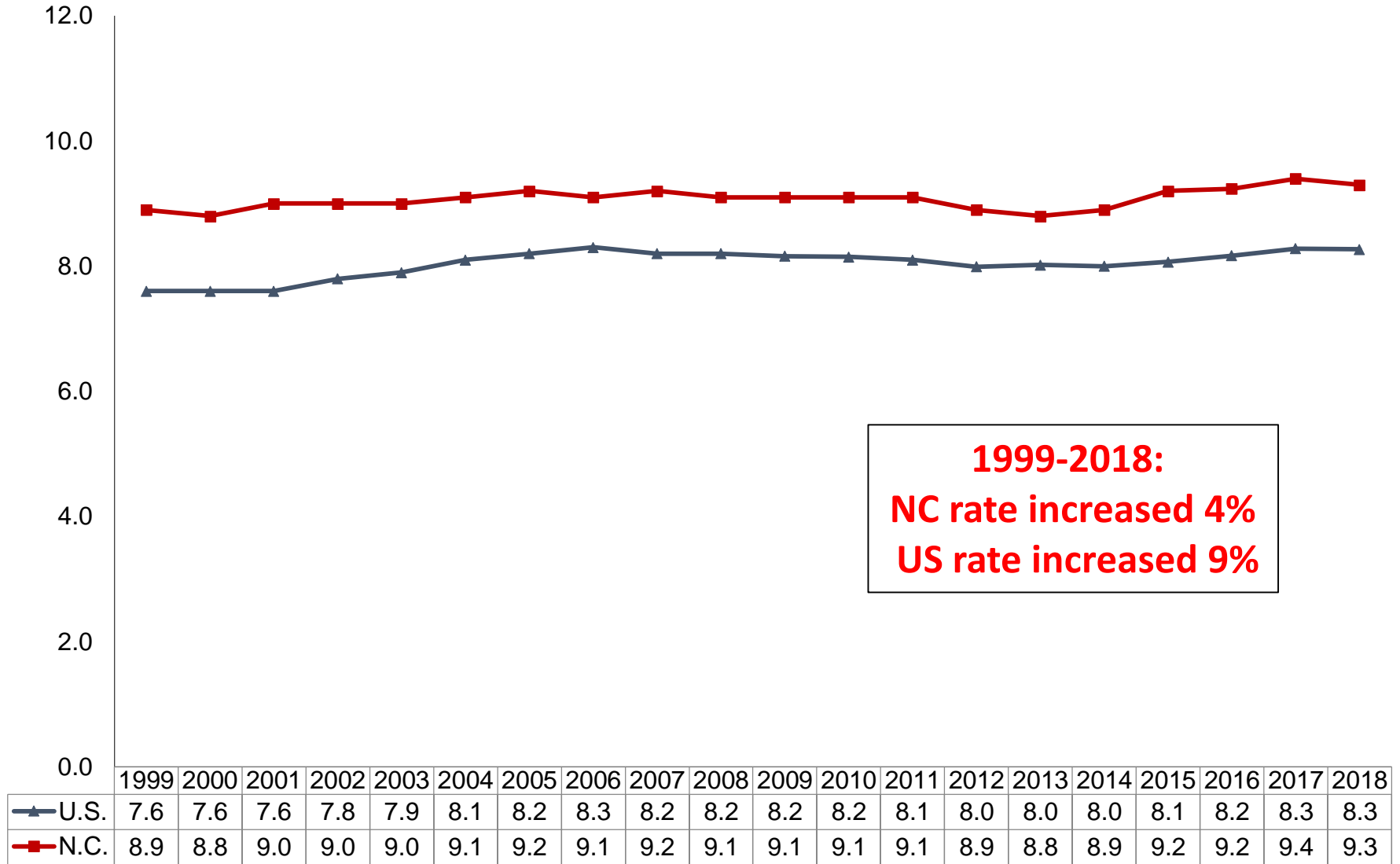
NC Department of Health and Human Services

Trends in Infant Mortality in North Carolina

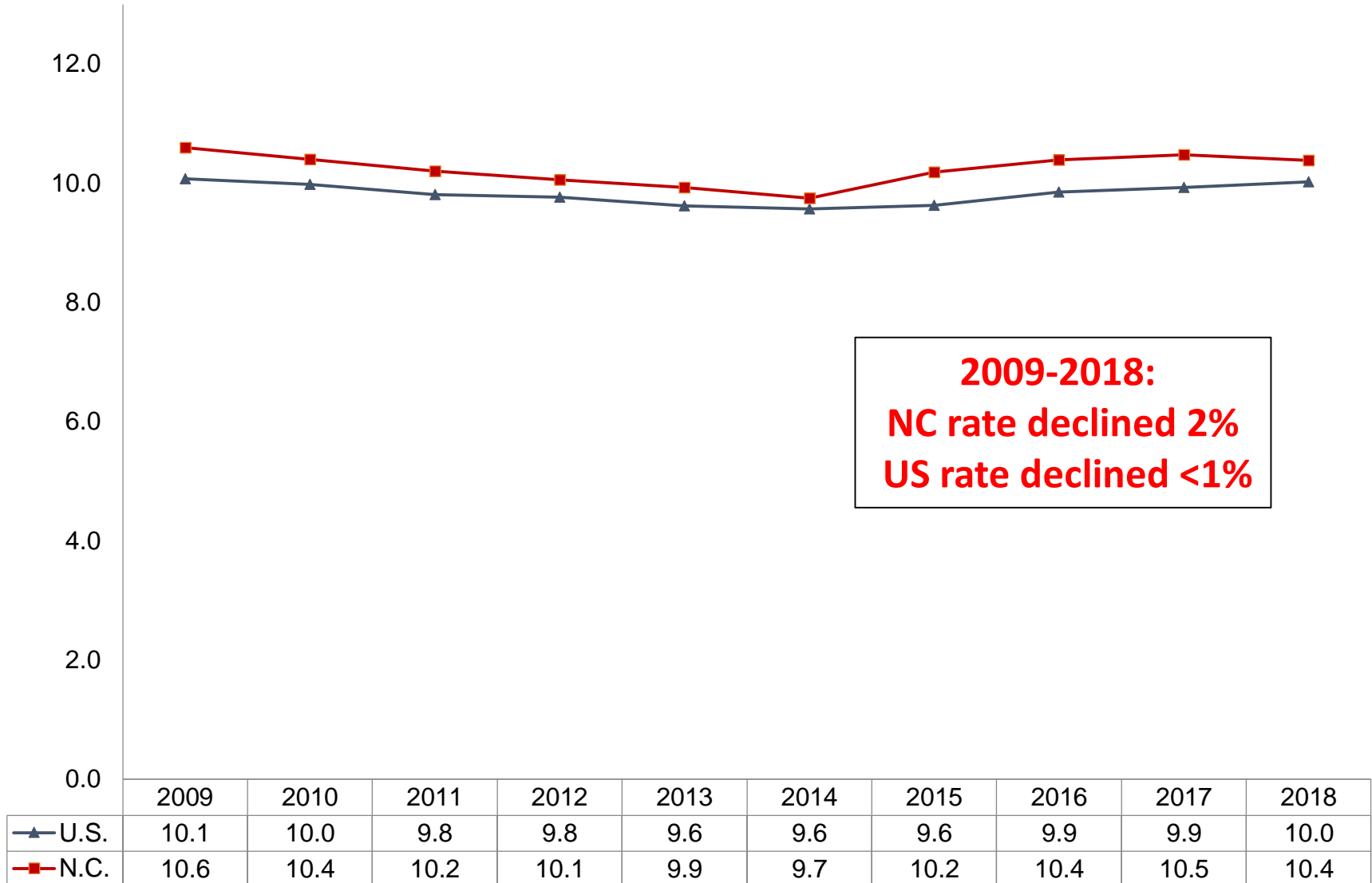
Kathleen Jones-Vessey
Division of Public Health
Women's & Children's Health Section

December 6, 2019

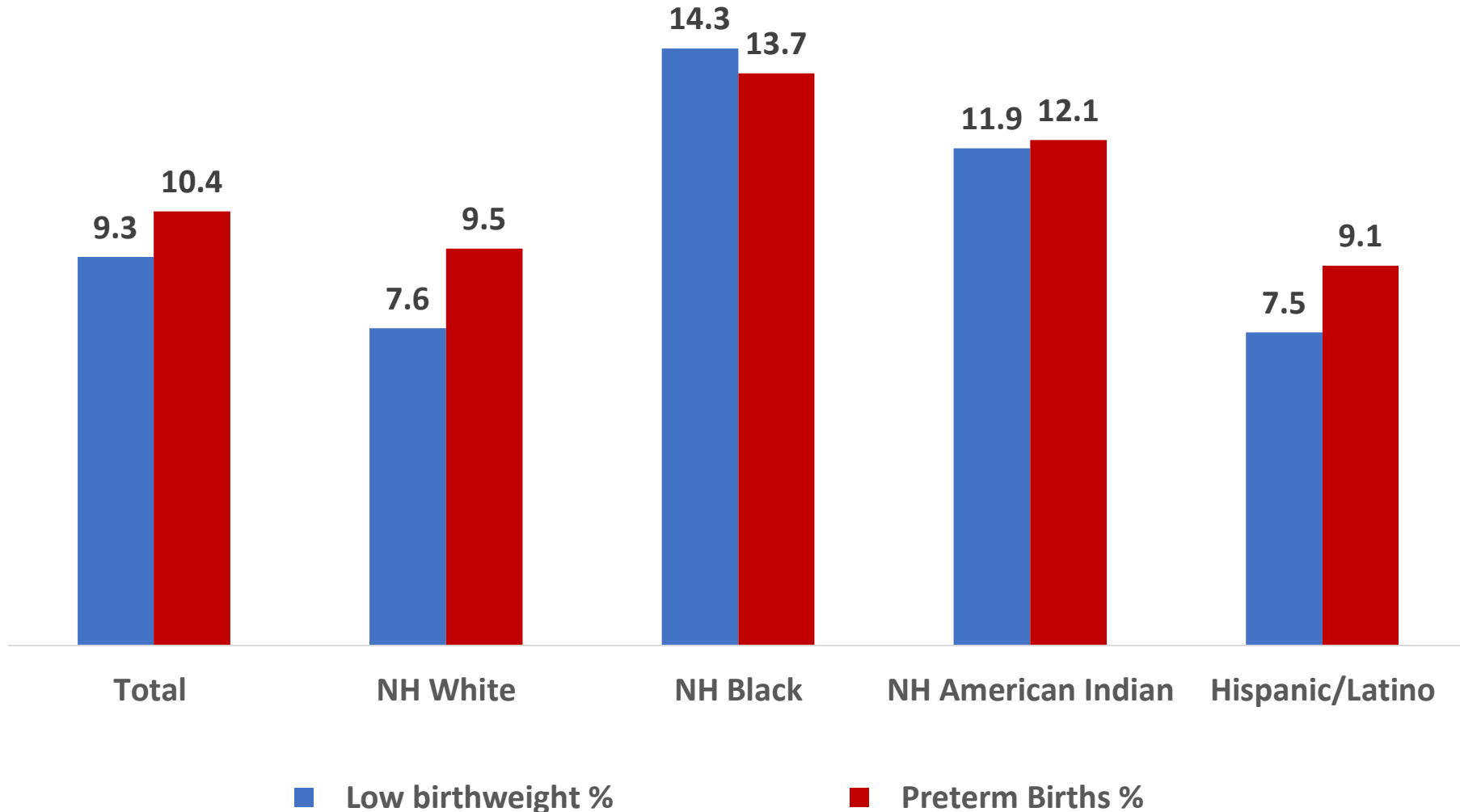
Percent of Births that are Low Birthweight (< 5 lbs 8 ozs): 1999-2018, US vs NC



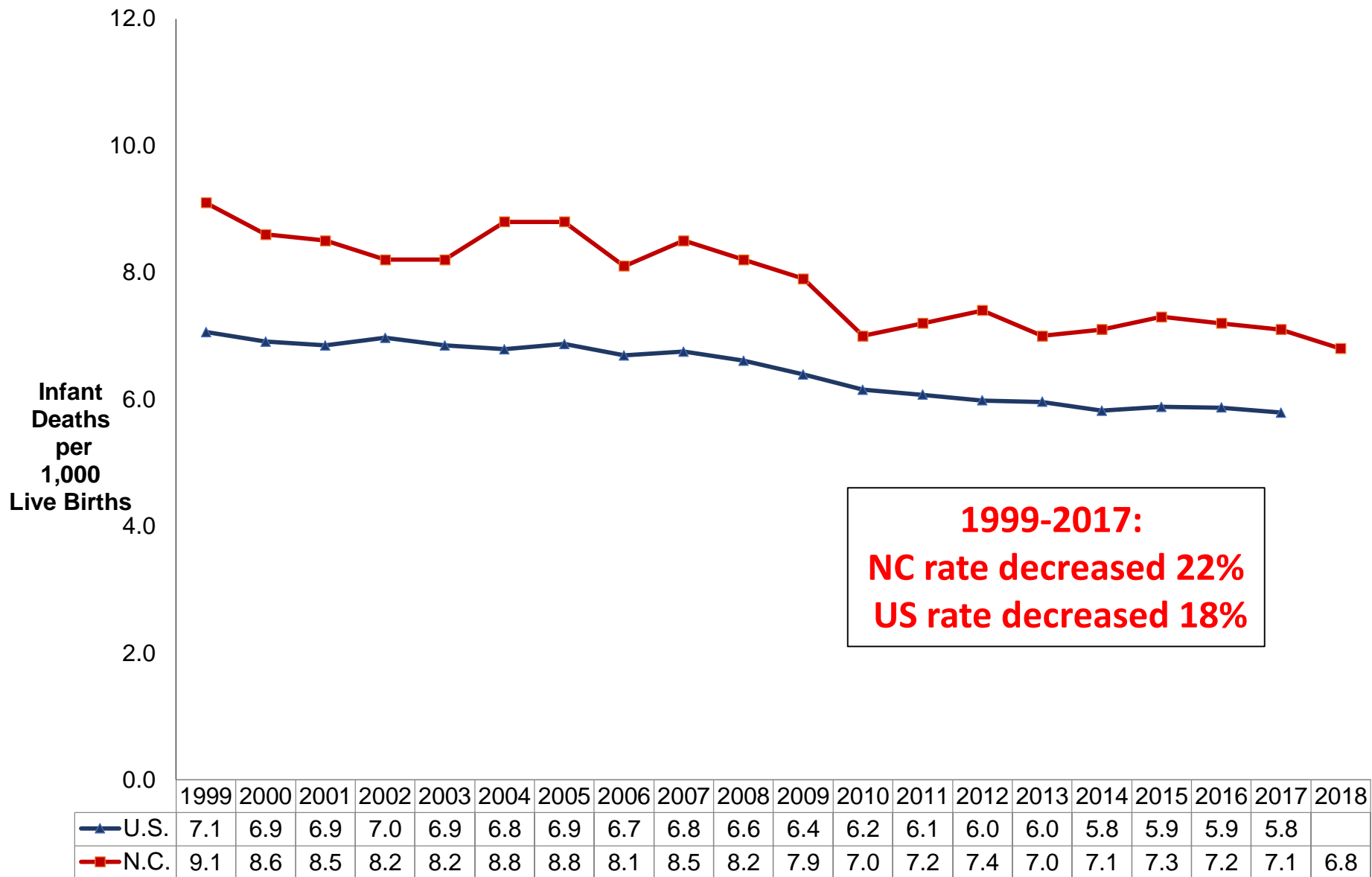
Percent of Births that are Premature (<37 weeks gestation): 2009-2018, US vs NC



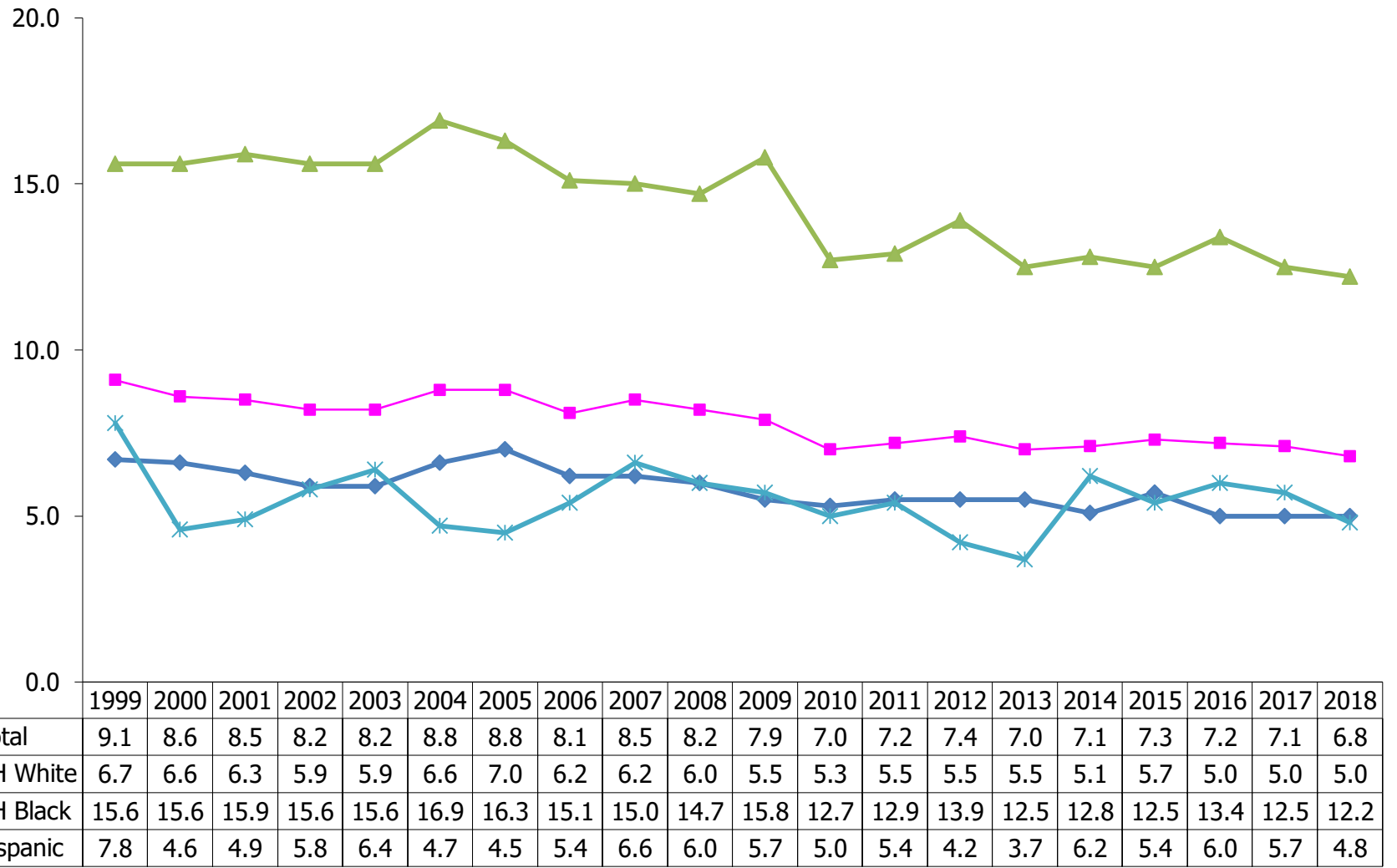
NC Resident Births by Race/Ethnicity: 2016-2018



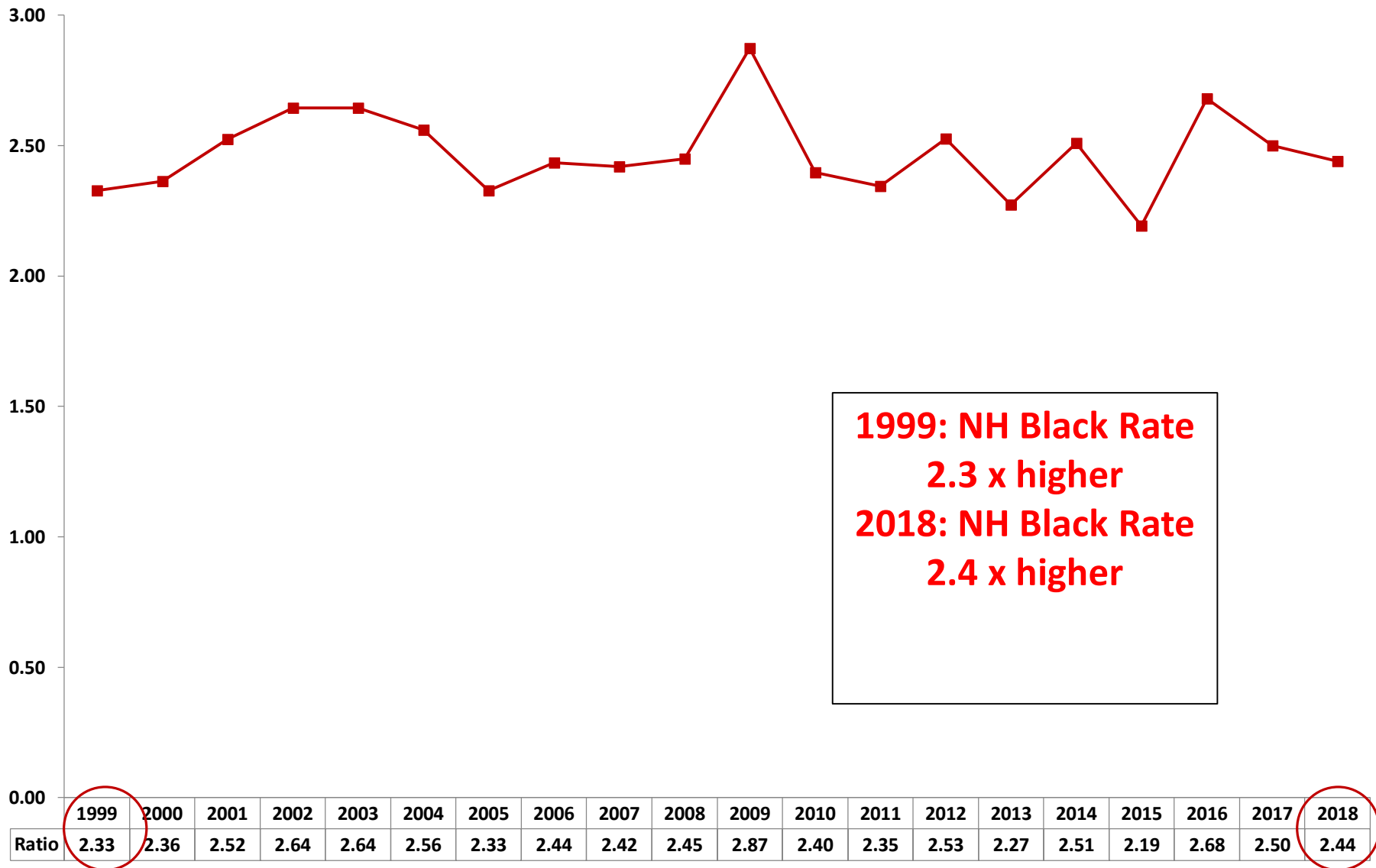
Infant Death Rates: 1999-2018, US vs NC



NC Resident Infant Death Rates by Race/Ethnicity: 1999-2018

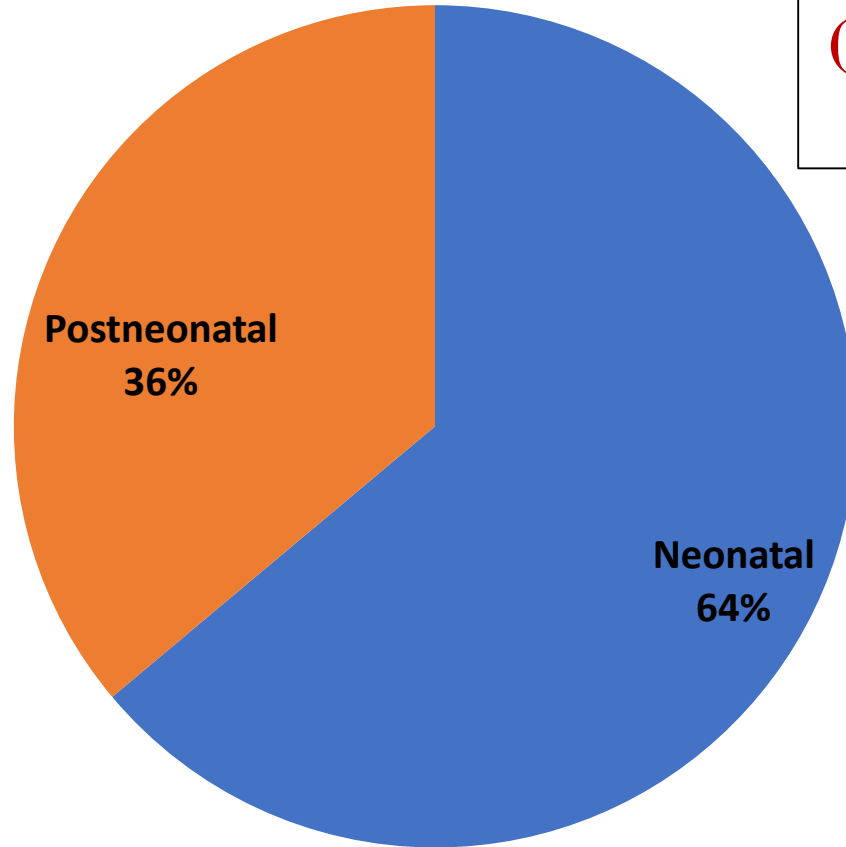


NC Resident Infant Mortality Disparity Ratio*: 1999-2018

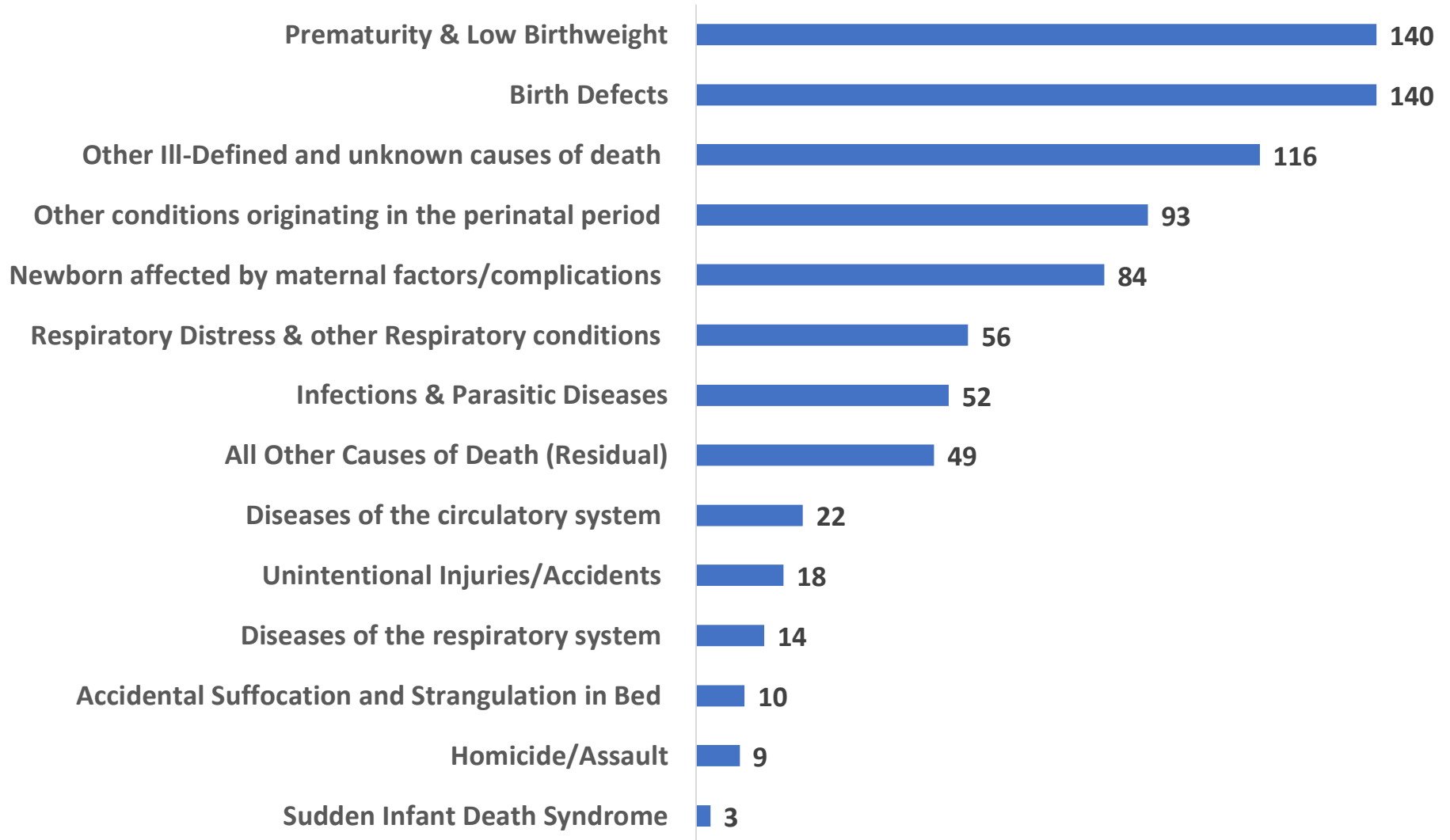


NC Resident Infant Deaths by Age: 2018

Most infant deaths occur during the neonatal period (within the first 28 days after birth)

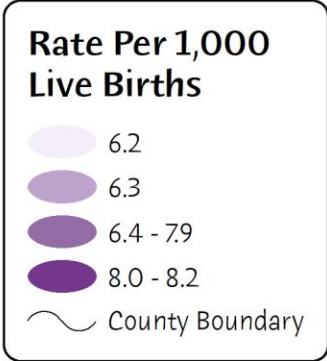
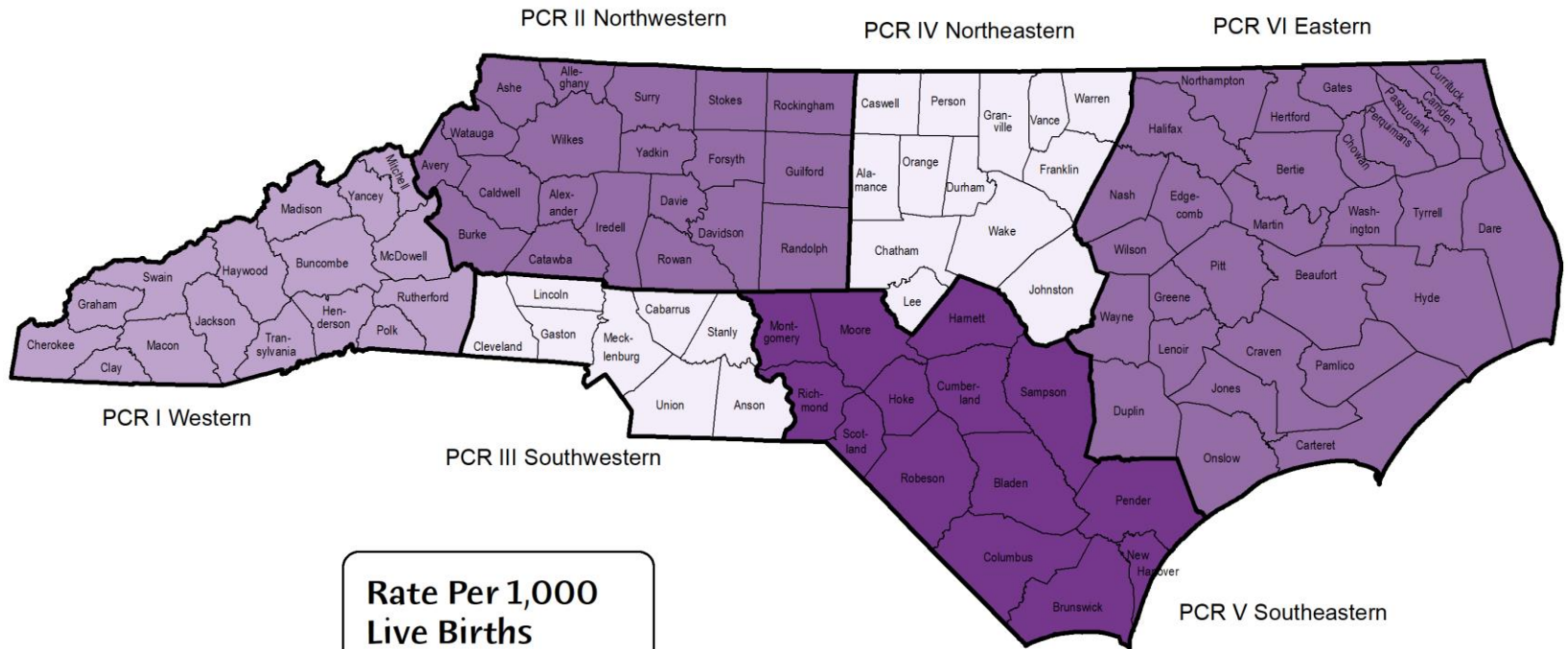


Leading Causes of Infant Death, NC Residents 2018: Number of Infant Deaths by Cause



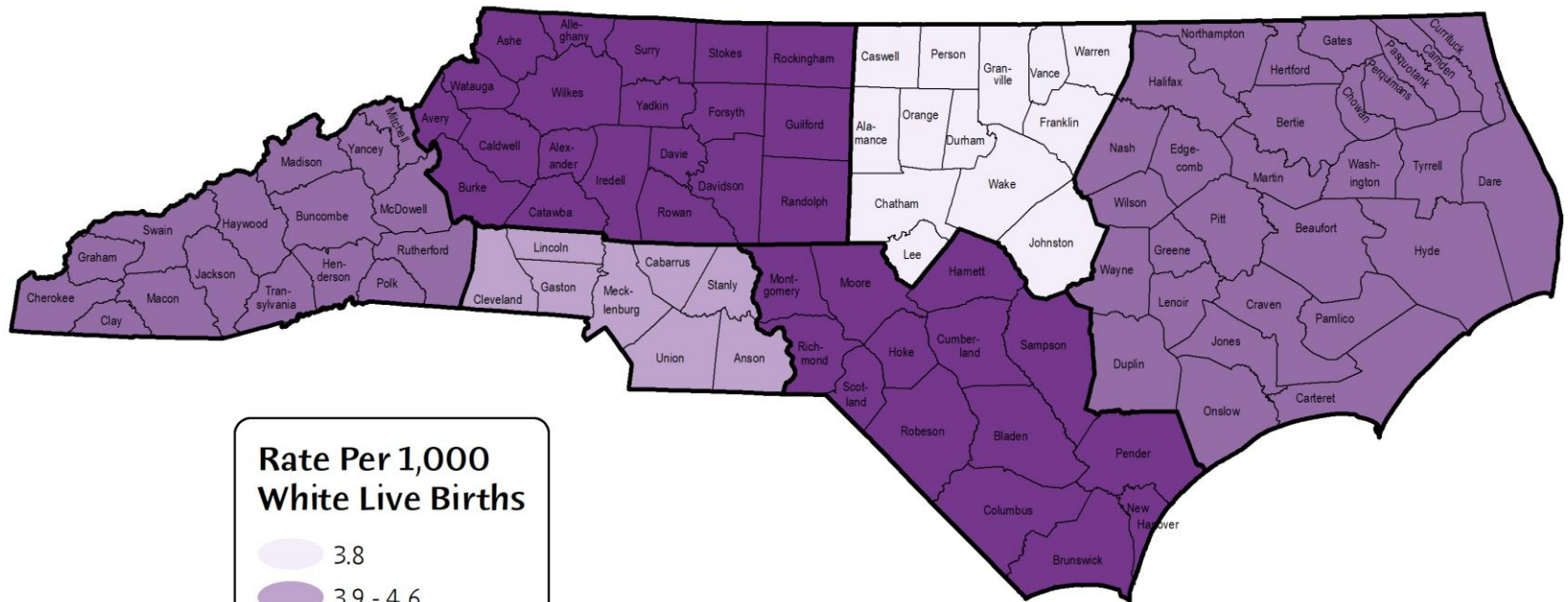
Geographic Patterns in Infant Mortality

North Carolina Infant Death Rates by Perinatal Care Regions (PCR) 2014 - 2018







North Carolina

White Non-Hispanic Infant Mortality Rates by Perinatal Care Regions (PCR), 2014 - 2018



**Rate Per 1,000
White Live Births**

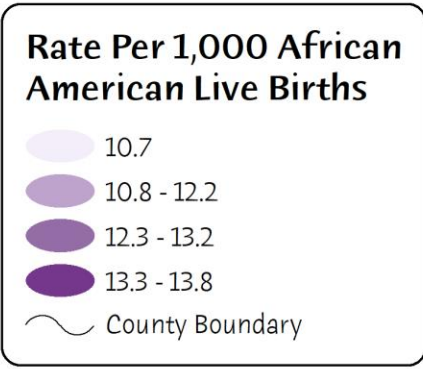
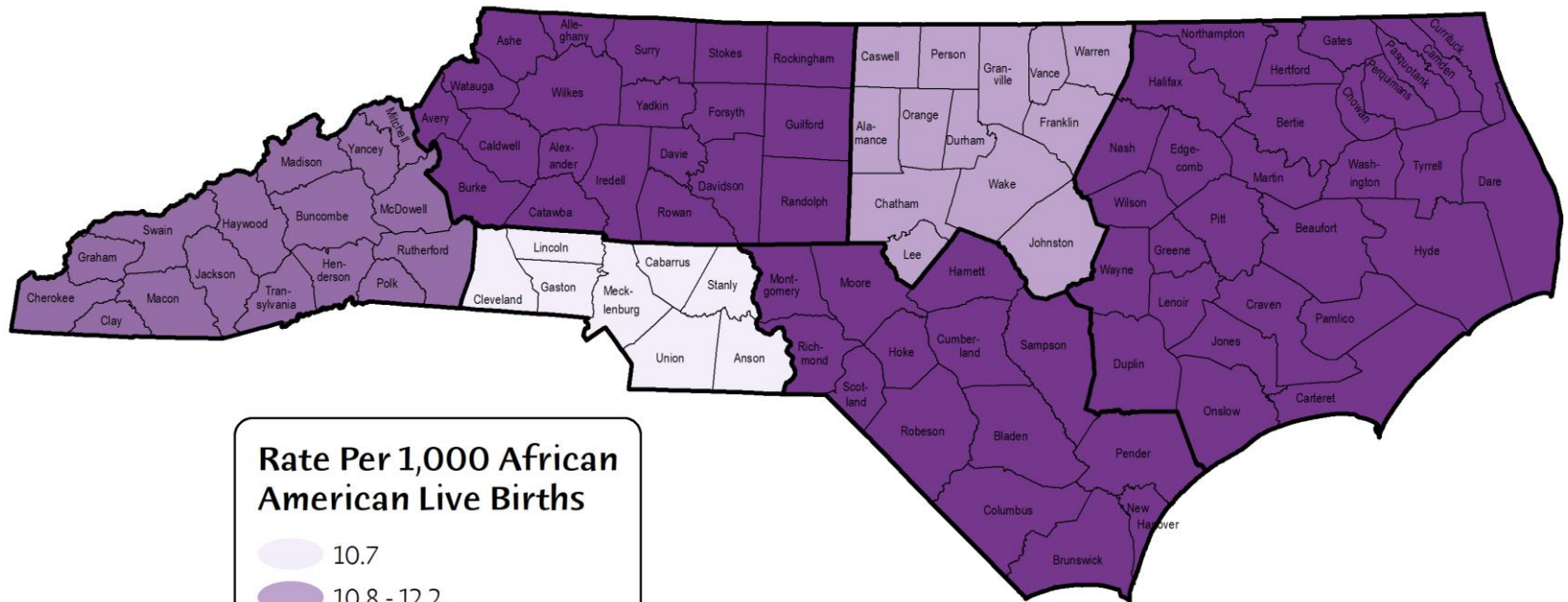
-  3.8
-  3.9 - 4.6
-  4.7 - 5.5
-  5.6 - 6.3

 County Boundary

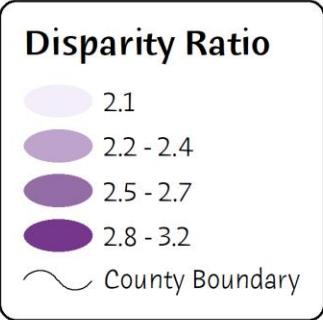
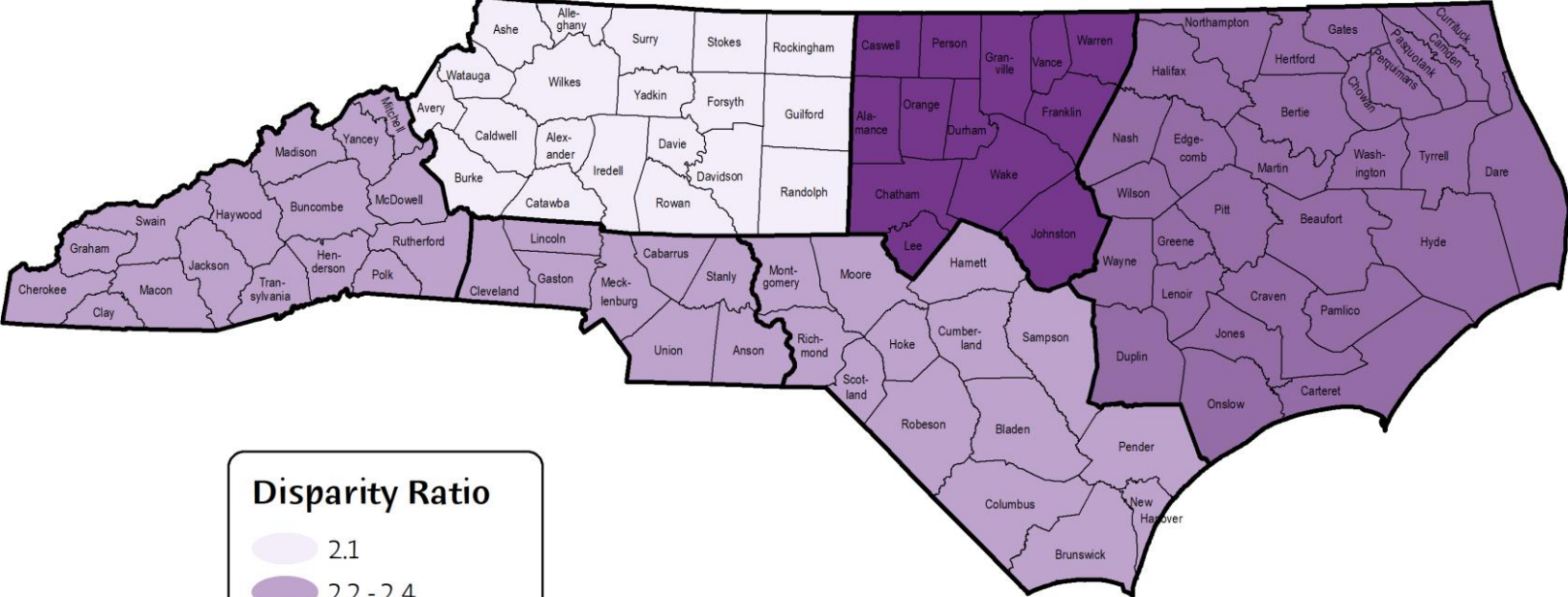


North Carolina

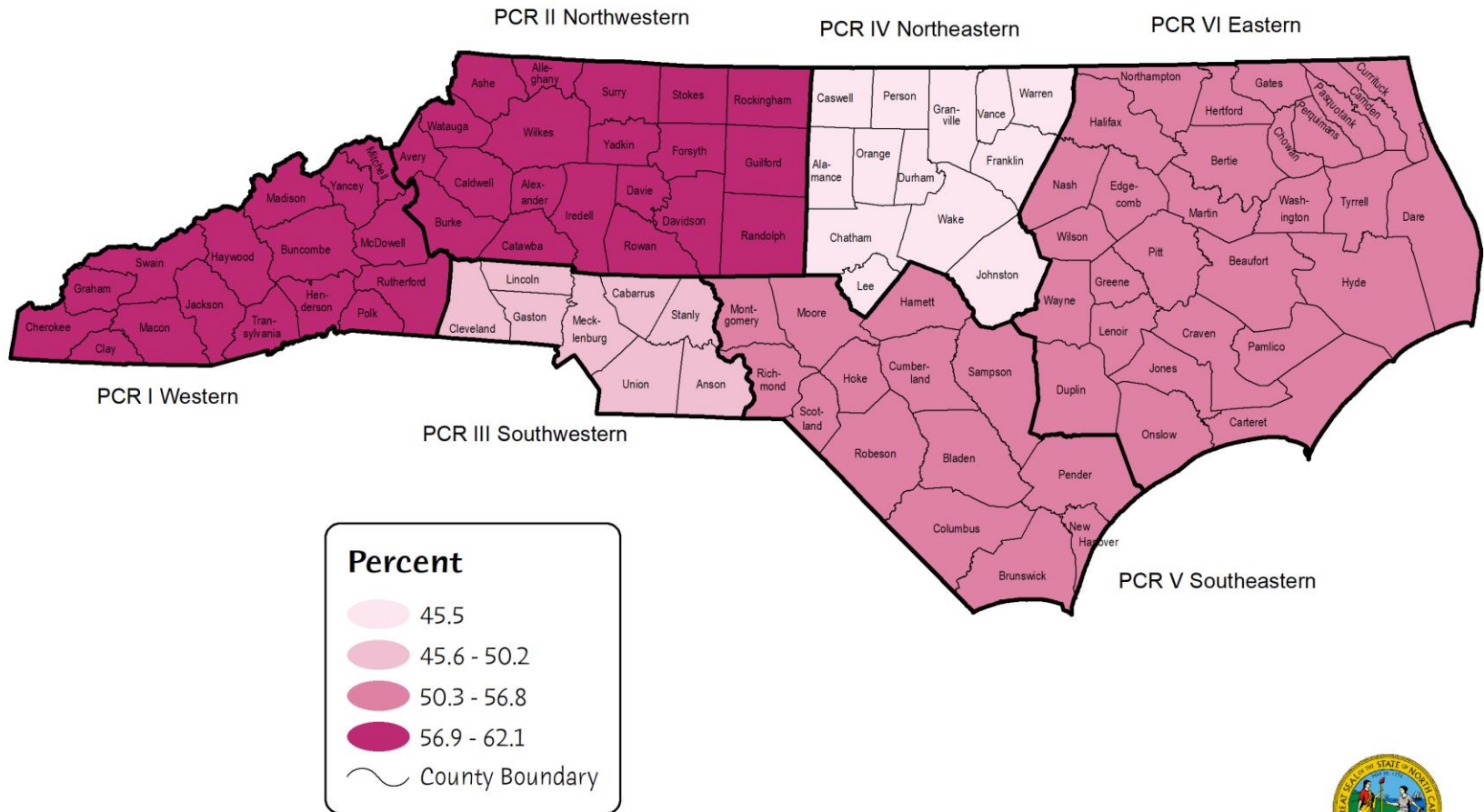
African American Non-Hispanic Infant Mortality Rates by Perinatal Care Regions (PCR), 2014 - 2018



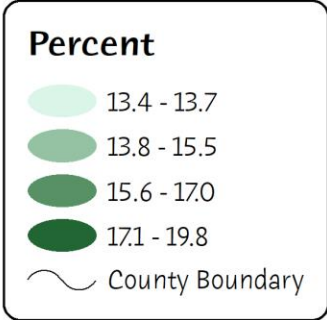
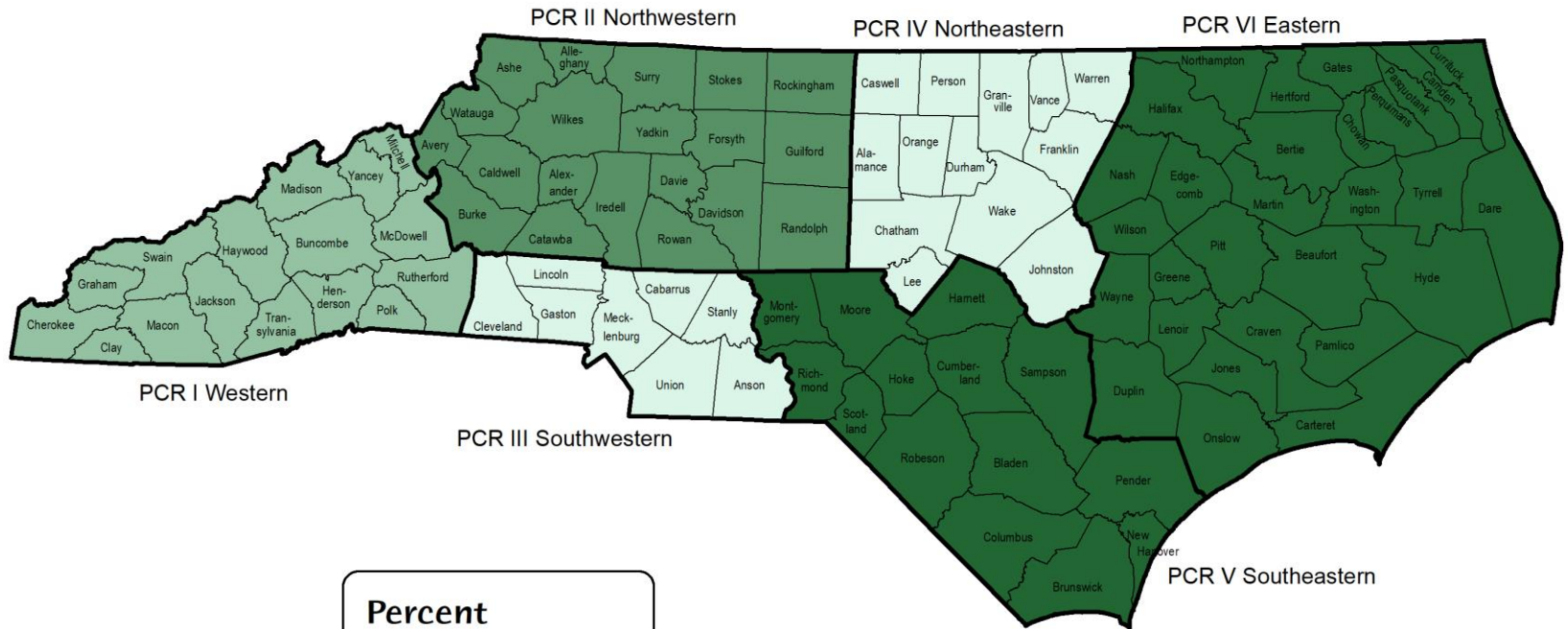
North Carolina Infant Mortality Racial Disparities Between White (Non-Hispanics) and African-American (Non-Hispanics) by Perinatal Care Regions (PCR) 2014 - 2018



North Carolina Percent of Mothers on Medicaid by Perinatal Care Regions (PCR) 2018



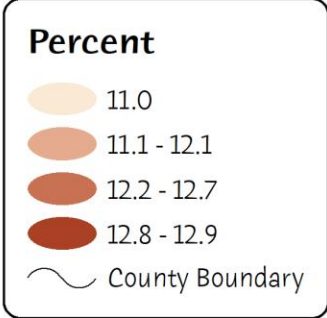
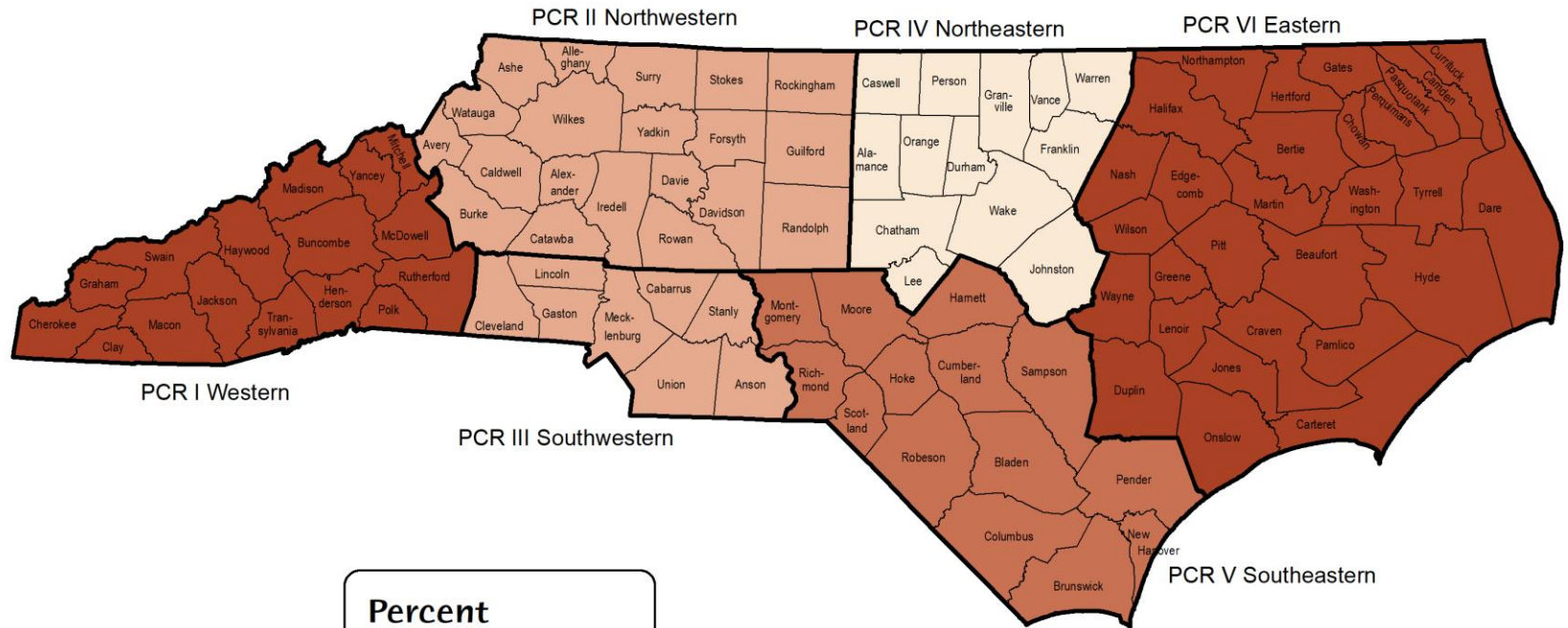
North Carolina 2017 Estimated Percent Population Below Poverty by Perinatal Care Regions (PCR)



Source: US Census, American Community Survey
2017, 5-Year Estimates (2013-2017)



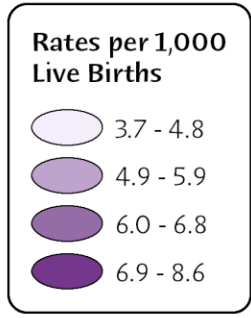
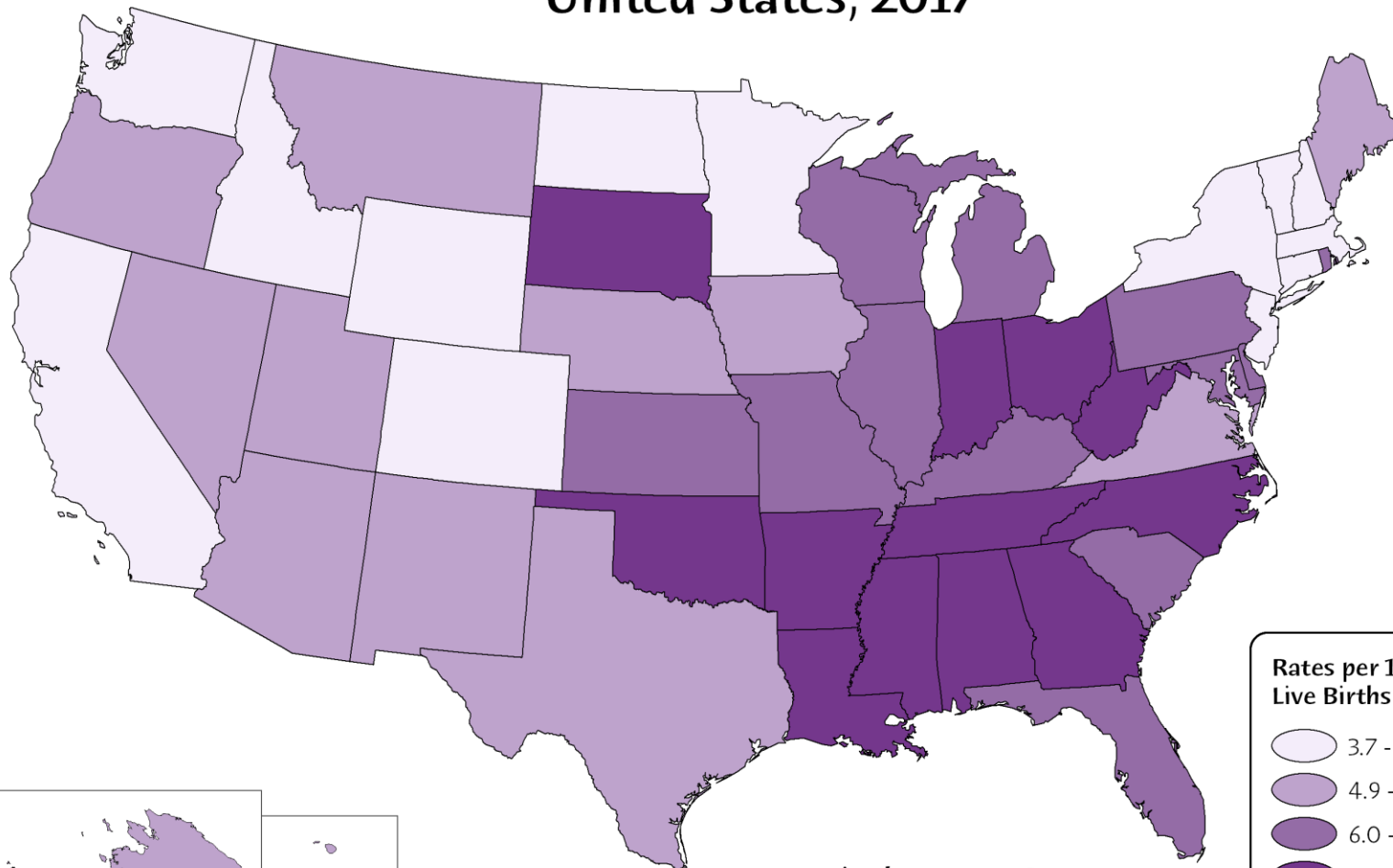
North Carolina 2017 Estimated Percent of Population Who Are Uninsured by Perinatal Care Regions (PCR)



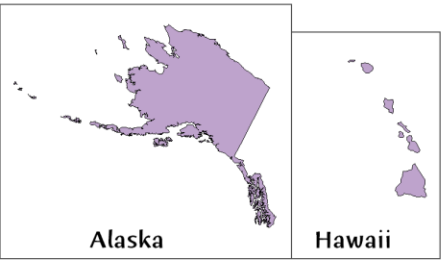
Source: US Census, American Community Survey
2017, 5-Year Estimates (2013-2017)



Infant Mortality Rates United States, 2017



United States 5.8
North Carolina 7.1



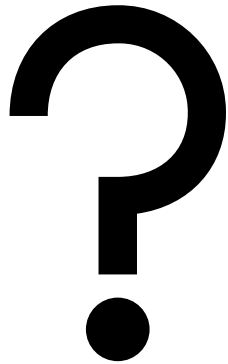
Source: US Centers for Disease Control and Prevention, Wonder
<https://wonder.cdc.gov/ucd-icd10.html>



Summary: Infant Deaths

- NC achieved historic low infant mortality rate in 2018
- Despite significant reductions, NC's infant mortality rate continues to rank among the worst in the US
- Disparities in infant mortality persist
- Prematurity/low birth weight and birth defects are the leading causes of infant deaths in North Carolina in 2018, accounting for approximately 35% of deaths
- The Southeastern region of the state has the highest infant mortality rates during 2014-2018
- The Northeastern region had low overall infant mortality, poverty, & uninsured rates, but the highest infant mortality disparity ratio

Questions?



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