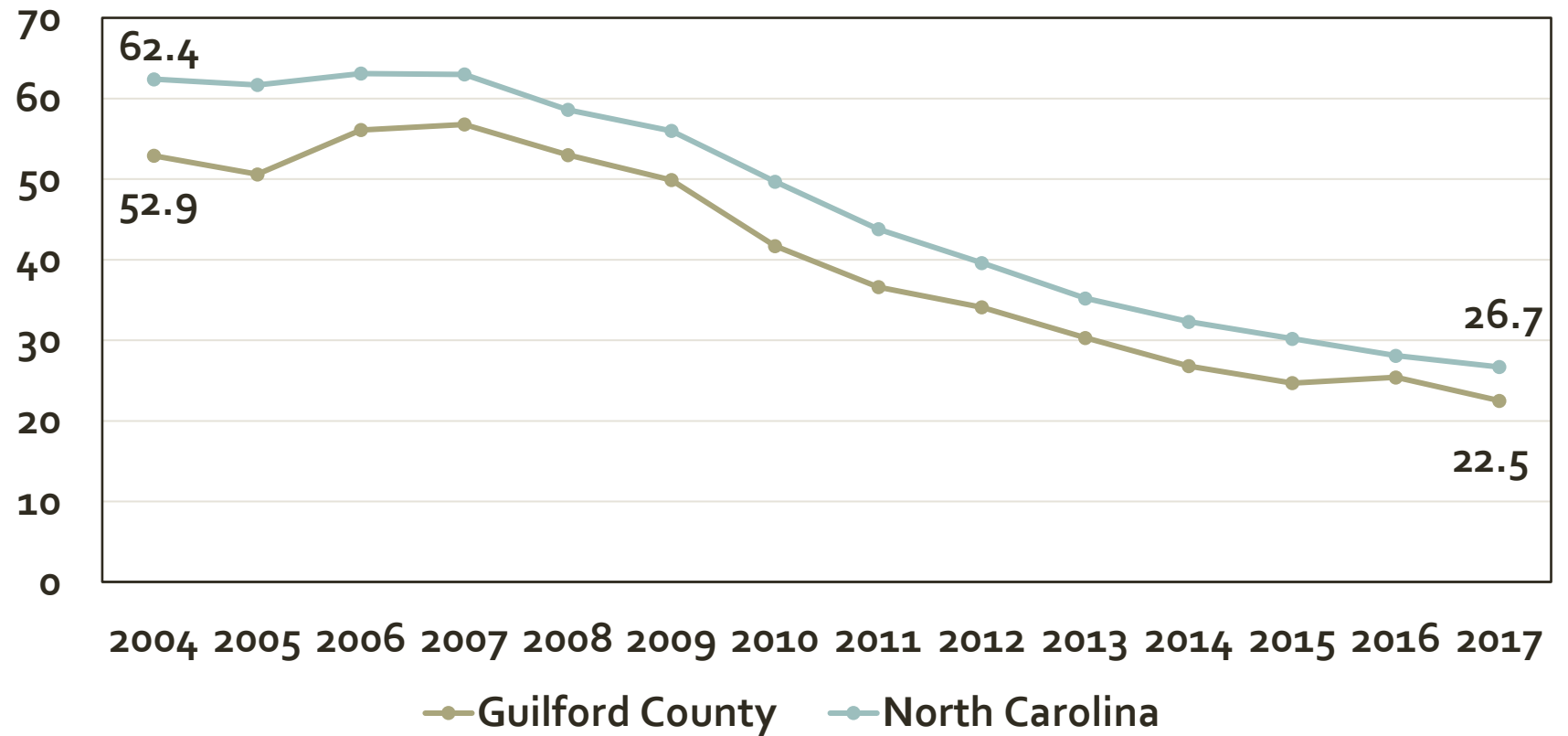


Pregnancy and Birth in Guilford County

2019 Community Health Assessment

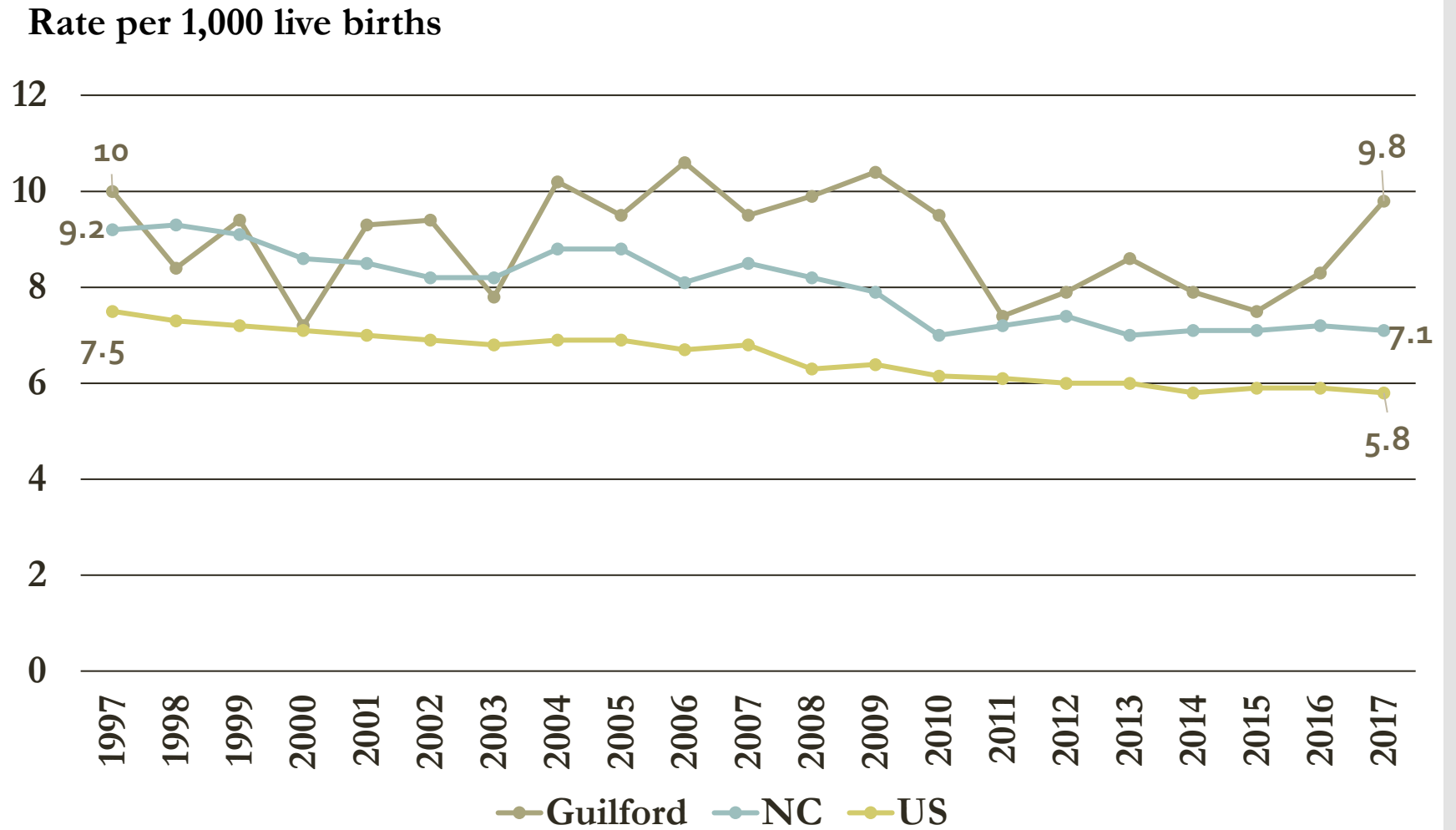
Teen Pregnancy Rates, Ages 15-19 Guilford County and North Carolina 2004-2017

Rate per 1,000 Females Ages 15-19



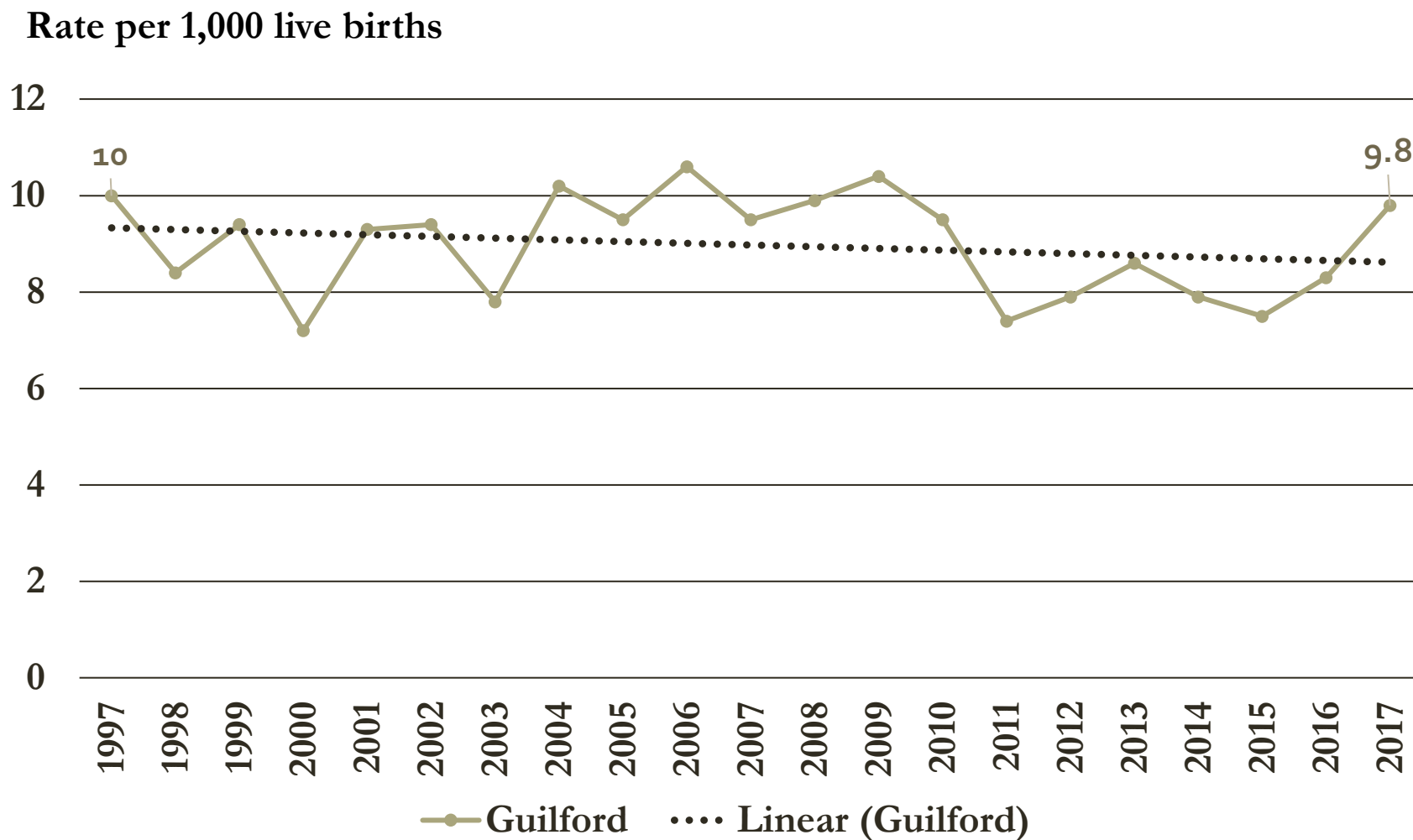
Source: NC State Center for Health Statistics.
Chart prepared by the GCDHHS, Division of Public Health.

Infant Mortality Rate, 1997-2017 Guilford County, North Carolina and United States



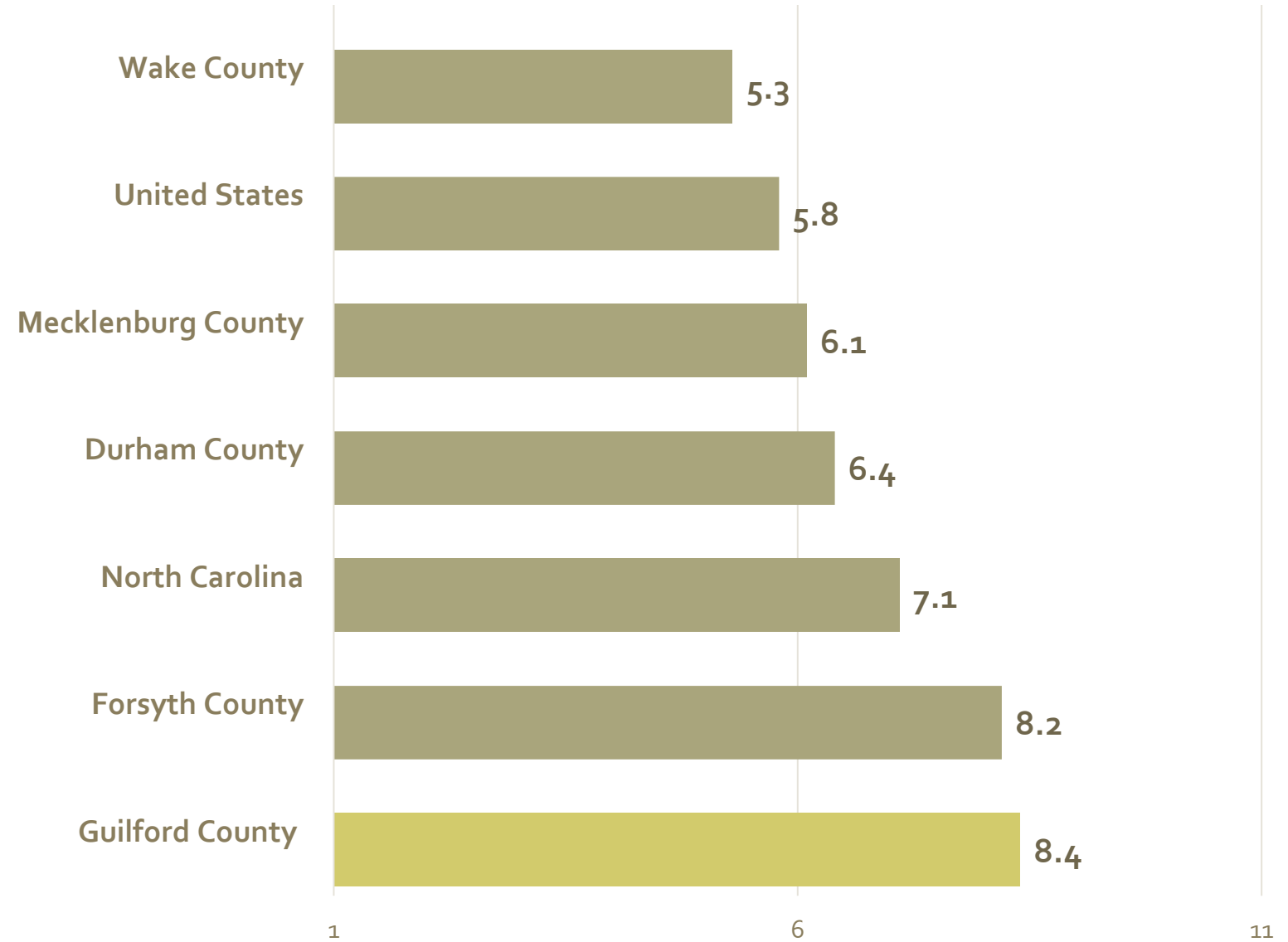
Source: Data provided by the NC Center for Health Statistics, County Health Databook and the National Center for Health Statistics. Chart prepared by the GCDHHS, Division of Public Health.

Infant Mortality Rate, 1997-2017 Guilford County, North Carolina and United States

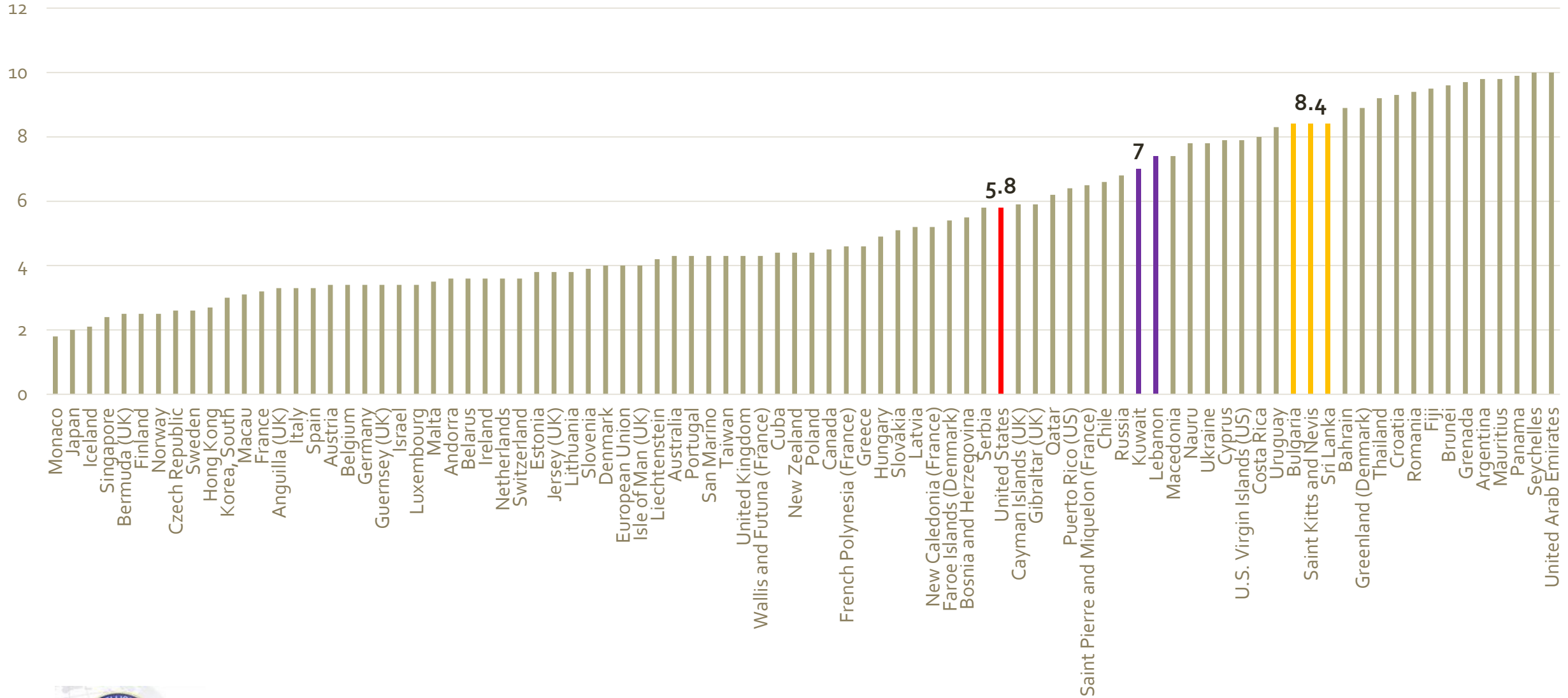


Source: Data provided by the NC Center for Health Statistics, National Center for Health Statistics.
Chart prepared by the GCDHHS, Division of Public Health.

Infant mortality 5-year rates (per 1000 live births) by county

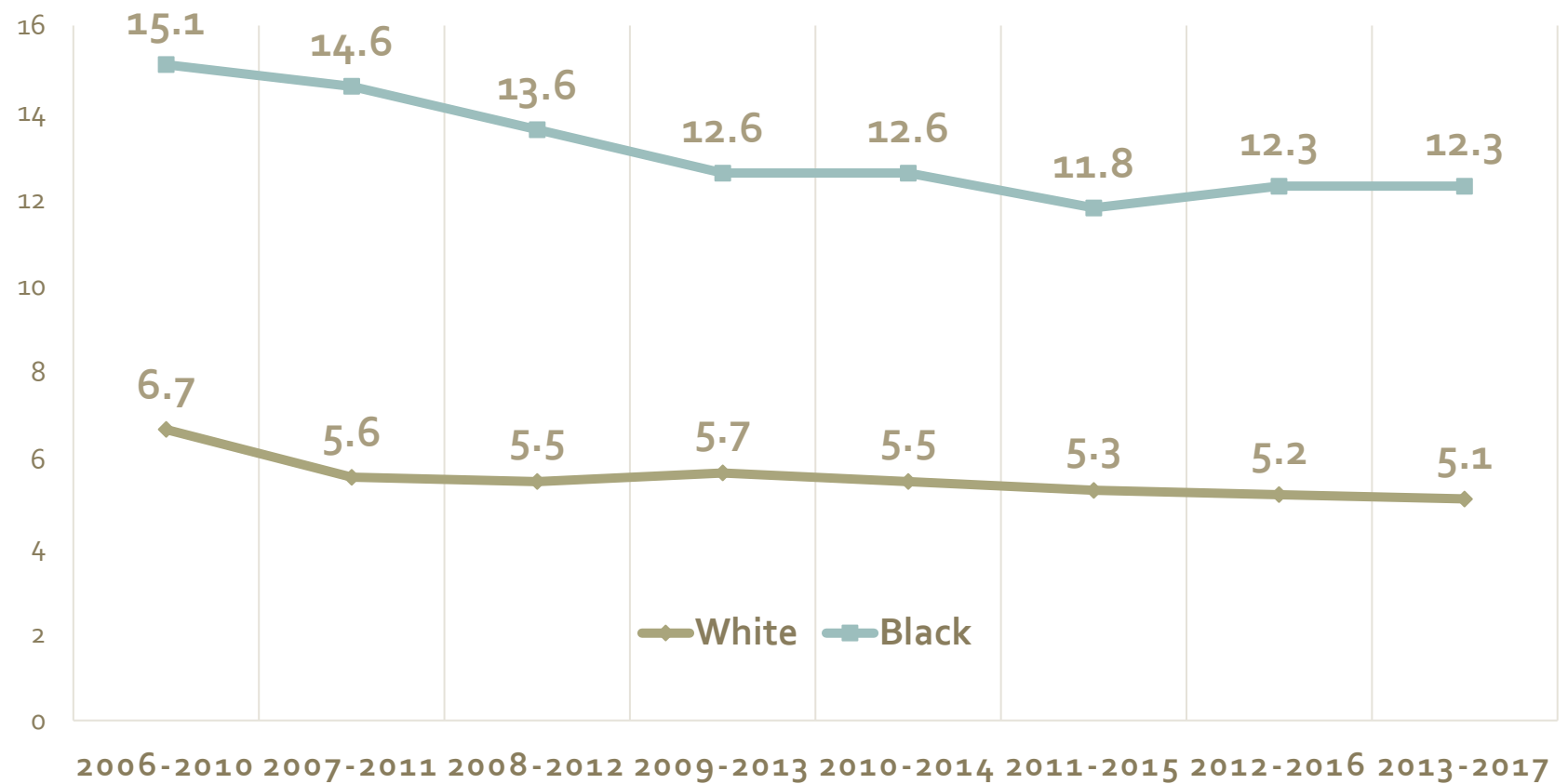


Infant Mortality Rate, Rank by County or Territory, 2017



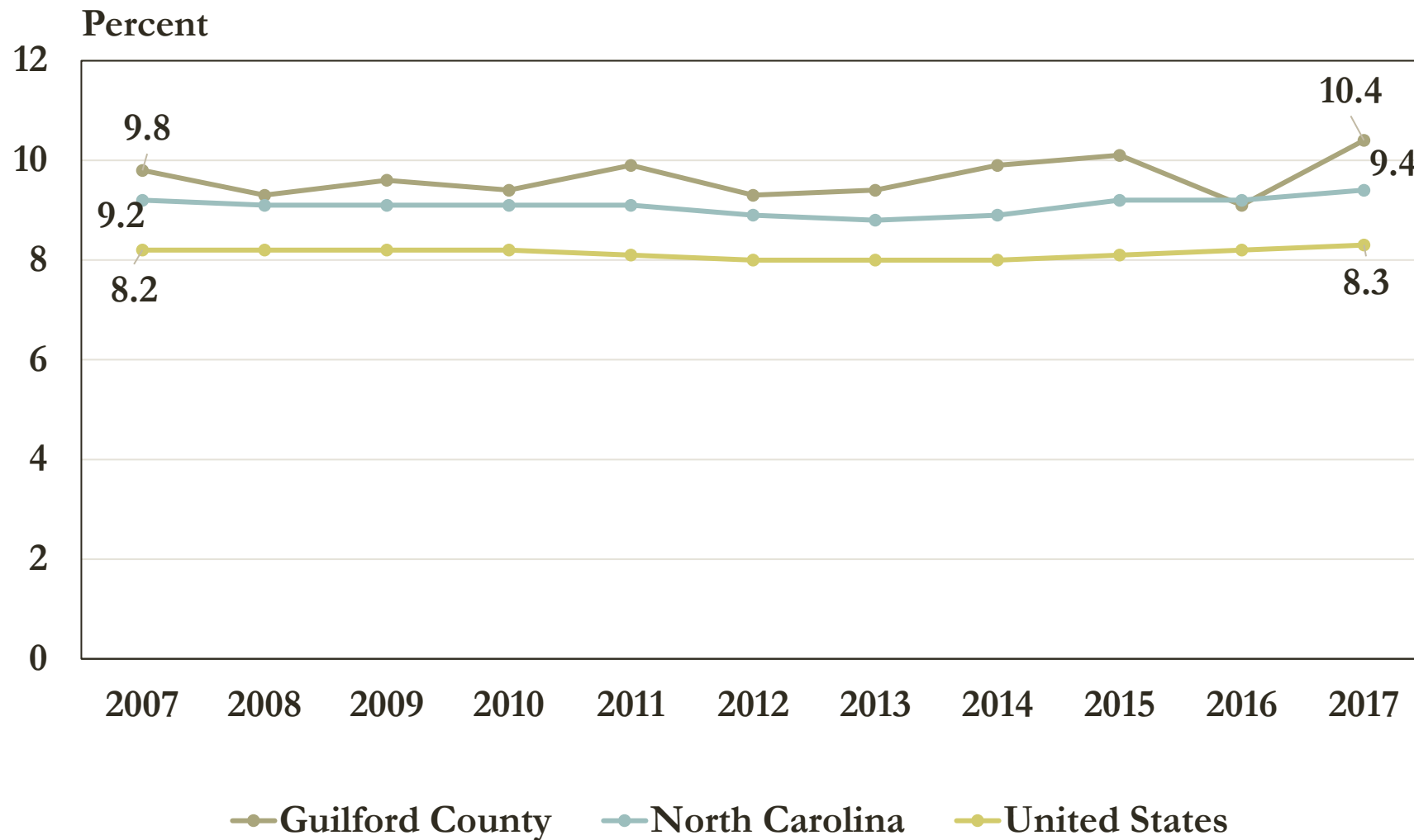
“This rate is often used as an indicator of the level of health in a country”—CIA World Factbook

Rolling Five-Year Infant Mortality Rates by Race, Guilford County, 2006-2017



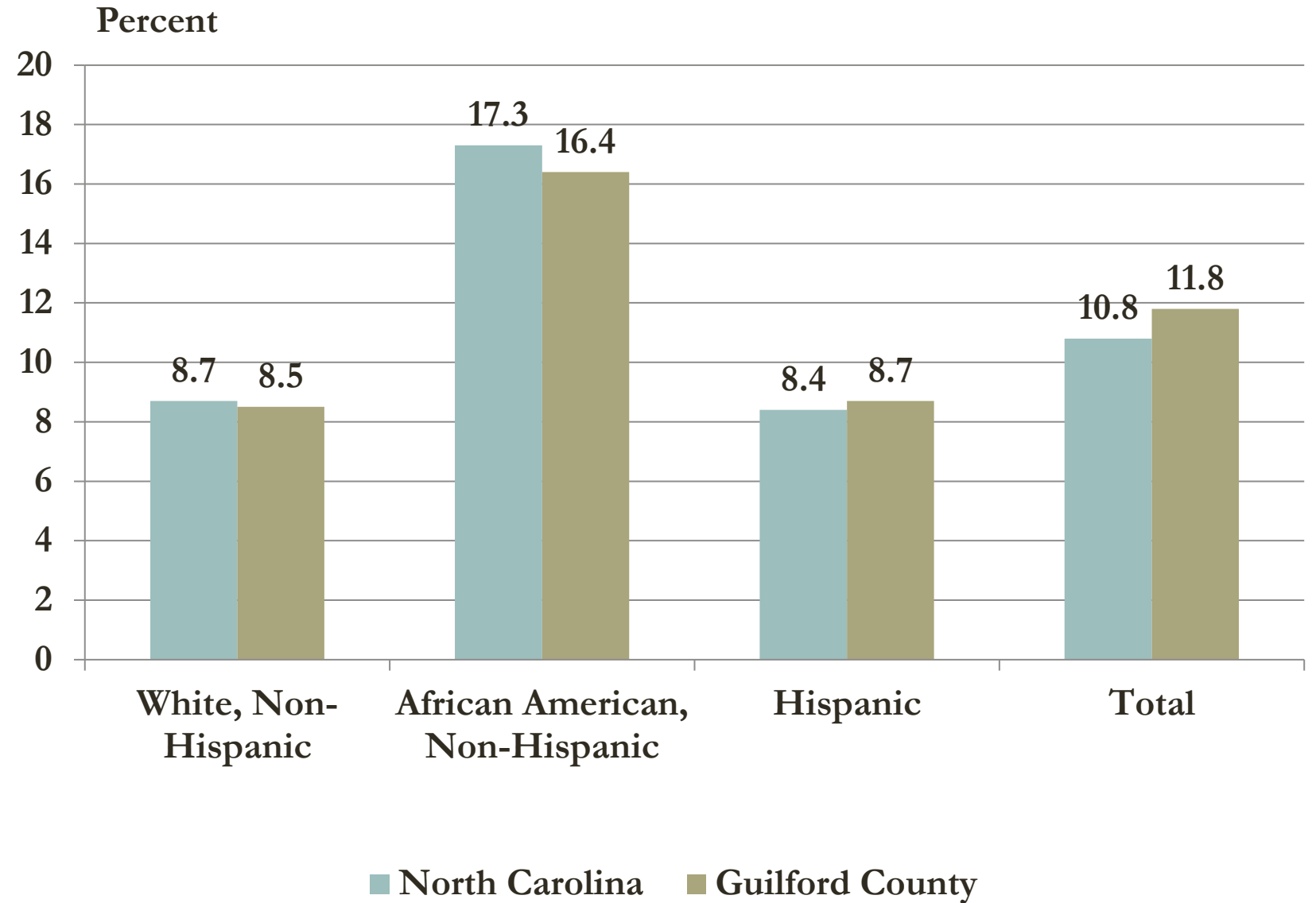
Source: Data provided by the NC Center for Health Statistics, County Health Databook and the National Center for Health Statistics. Chart prepared by the GCDHHS, Division of Public Health.

Percent of Births Low Birthweight 2007-2017



Source: Data provided by the NC Center for Health Statistics, County Health Databook, and the National Center for Health Statistics. Chart prepared by the GCDHHS, Division of Public Health.

Percentage of Births Low Birthweight, 2013-2017



Source: County Health Databook, NC State Center for Health Statistics.
Chart prepared by the GCDHHS, Division of Public Health.

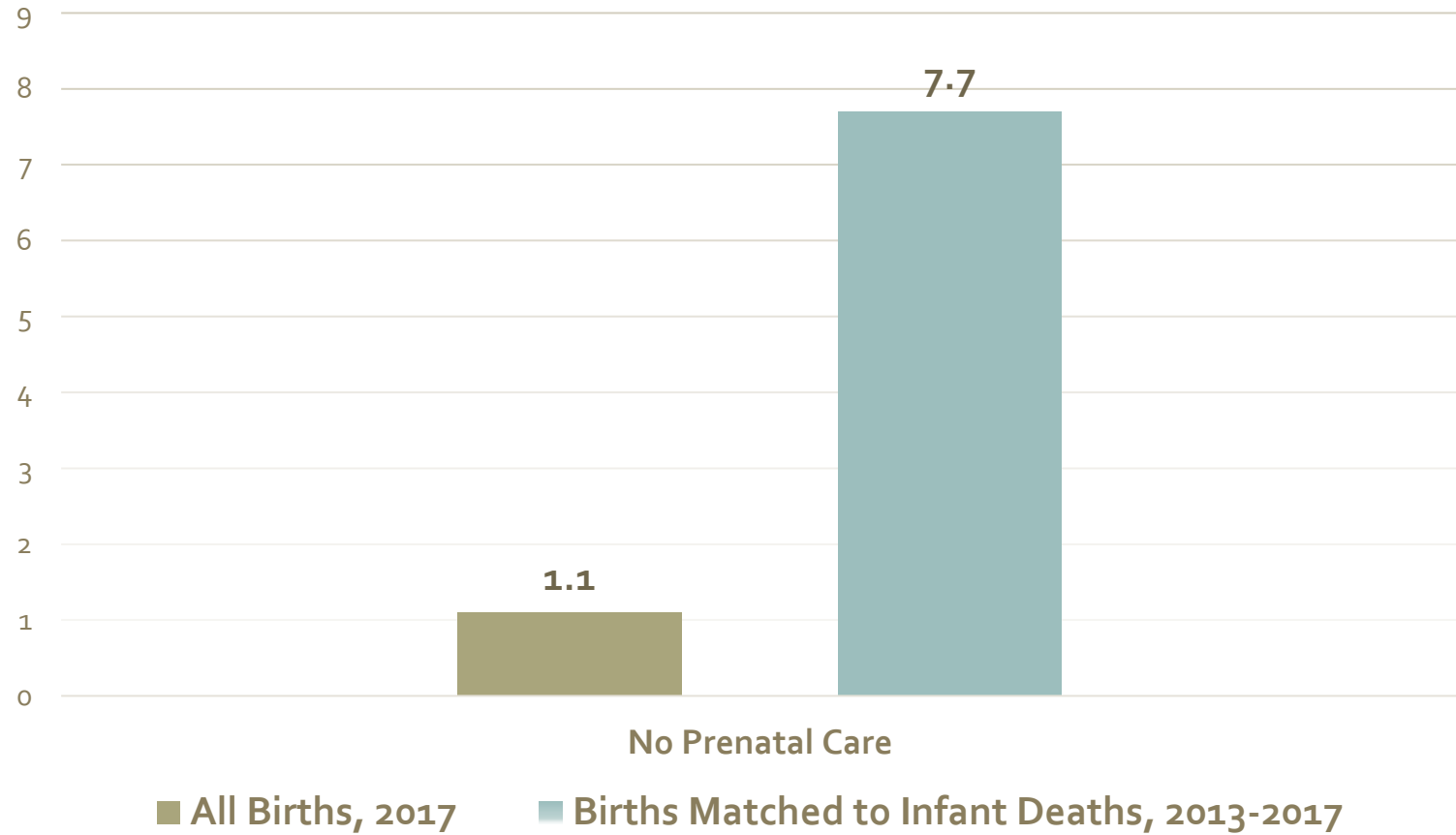


Characteristics of Infant Deaths

Matched Birth, Death Records

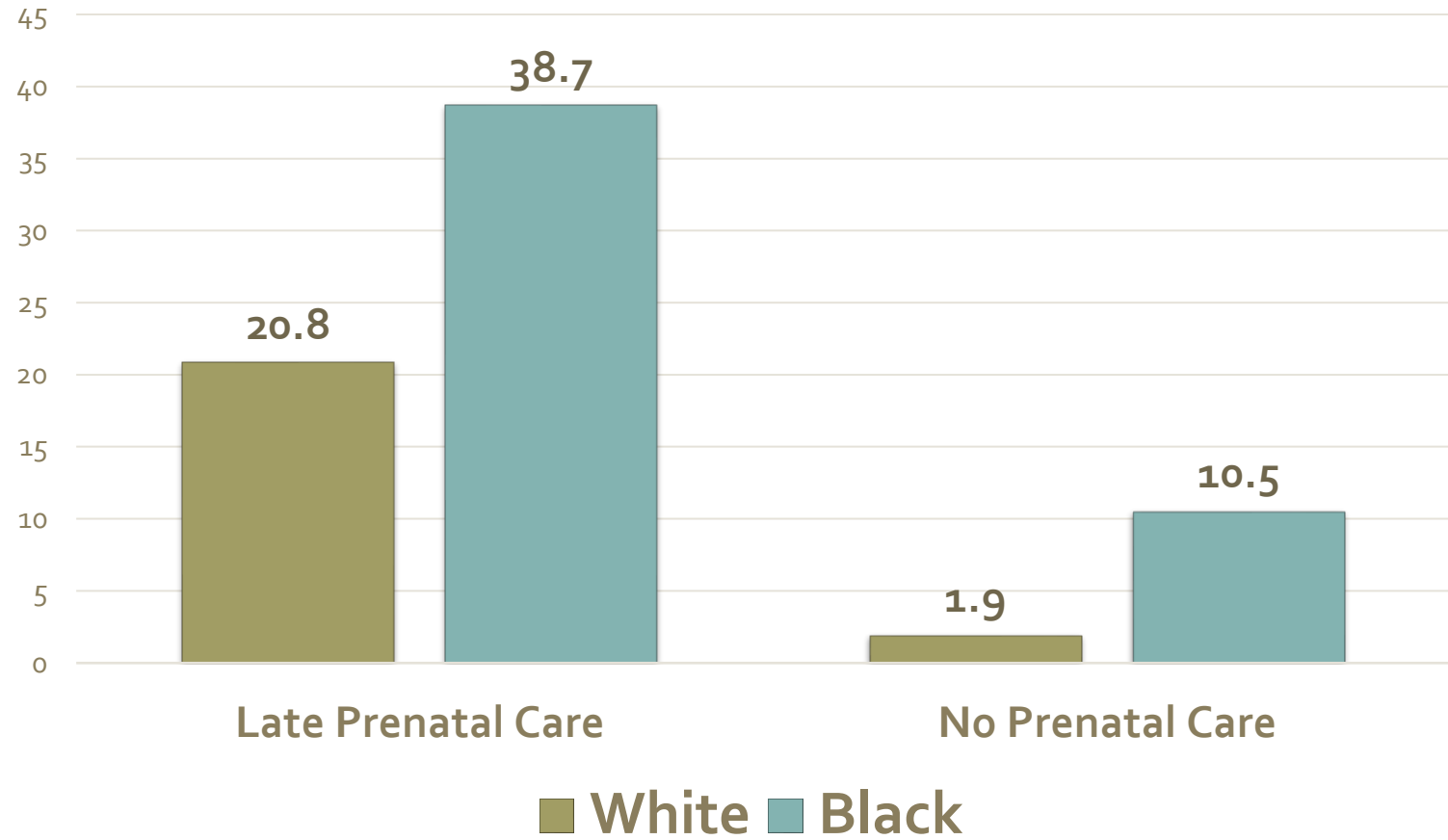
Prenatal Care

PERCENT OF MOTHERS RECEIVING NO PRENATAL CARE

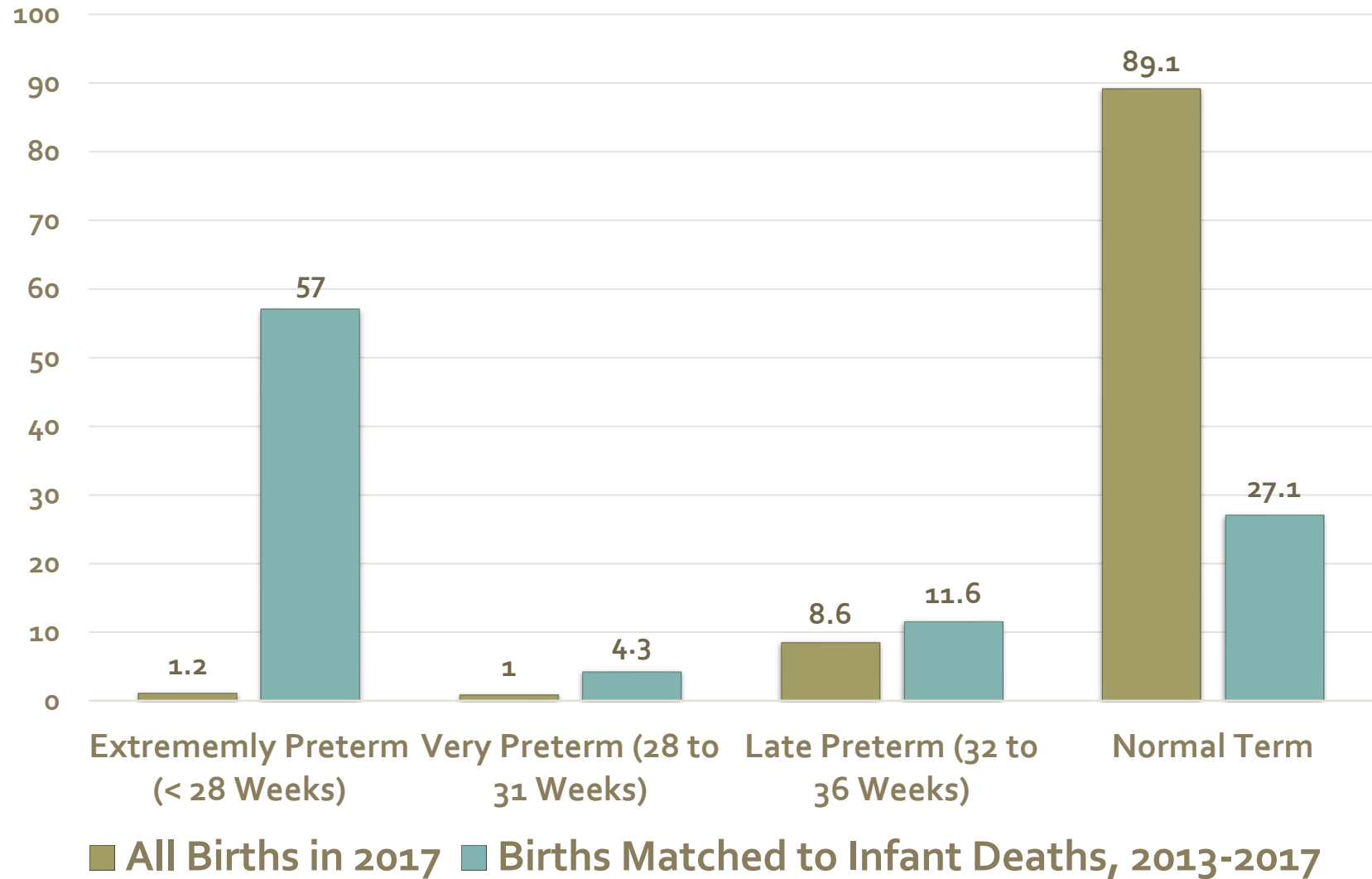


Prenatal Care

Percent of Mothers with Late or No Prenatal Care, by Race
Matched Records, 2014-2017 Infant Deaths

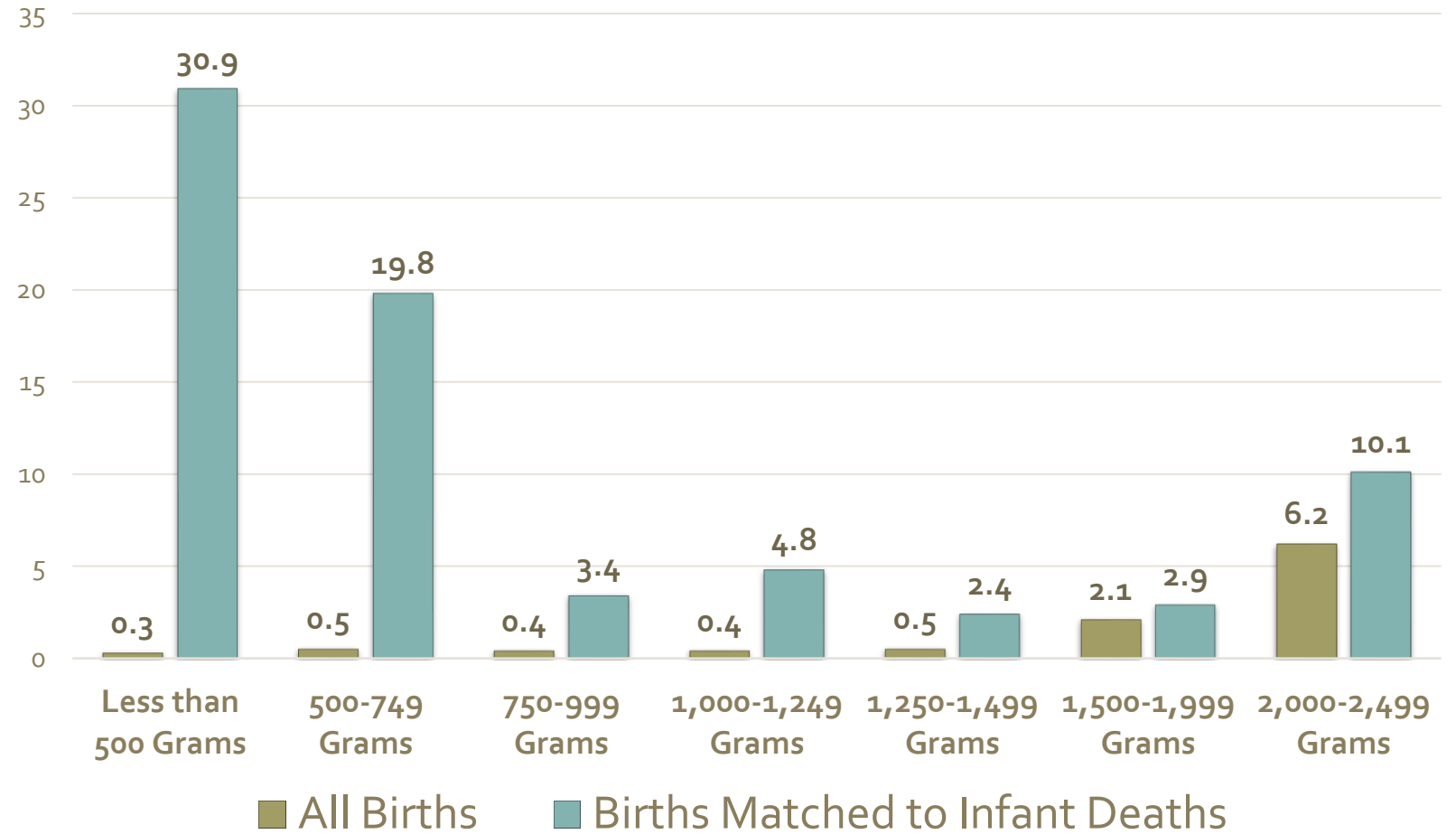


Percent of Births by Gestational Age Category



Low Birthweight

Percent of Births by Low Birth Weight Category



Birthweight Distribution or Birthweight-specific Mortality Rates?

Guilford County Deaths 2014-2017				
Black/African-American				
Birthweight	births	deaths	birth distribution	Mort Rate
200-499	46	40	0.005	869.565
500-749	69	28	0.007	405.797
750-999	58	4	0.006	68.966
1,000-1,249	66	6	0.007	90.909
1,250-1,499	81	3	0.008	37.037
1,500-1,999	276	4	0.027	14.493
2,000-2,499	787	11	0.078	13.977
2,500-6,499	8714	24	0.863	2.754
Total	10097	120	1.000	11.885
White				
Birthweight	births	deaths	birth distribution	Mort Rate
200-499	21	16	0.002	761.905
500-749	13	6	0.001	461.538
750-999	24	2	0.002	83.333
1,000-1,249	28	3	0.003	107.143
1,250-1,499	35	1	0.004	28.571
1,500-1,999	137	1	0.014	7.299
2,000-2,499	417	9	0.042	21.583
2,500-6,499	9319	14	0.932	1.502
Total	9994	52	1.000	5.203

Birthweight Distribution or Birthweight-specific Mortality Rates?

	% Due to differences in Birthweight Distribution	% due to differences in Birthweight Specific Mortality Rates
200-499	0.300	0.054
500-749	0.359	-0.034
750-999	0.038	-0.009
1,000-1,249	0.055	-0.011
1,250-1,499	0.022	0.007
1,500-1,999	0.022	0.022
2,000-2,499	0.096	-0.068
2,500-6,499	-0.022	0.168
Total	0.871	0.129

Conclusions and Questions

Conclusions:

- Very little improvement in infant mortality over 20 years
- Persistent, large racial disparity in infant mortality
- Question: What are key issues in reducing disparities and improving birth outcomes?

1. Social determinants of health?
2. Toxic stress?
3. Pre-conceptional health?
4. Access to care issues?
5. Racism?