

# Perinatal Health Strategic Plan Town Halls

## Data Resource: Perinatal Care Region 5 Southeastern



The Perinatal Care Regions (PCRs) were created through the establishment of the NC Perinatal Health Care Program in 1974 after the NC General Assembly ratified the Perinatal Health Care Bill in 1973. The original design criteria were that each region would have: 1) a Level III hospital; 2) contain 300,000 to 1 million people; 3) counties within a 2-hour travel time to the regional centers; and 4) at least one Area Health Education Center. While the work done through the NC Perinatal Health Care Program has transformed into other programs and initiatives over the years due to legislative changes and funding opportunities, the PCRs have remained. There are currently six regions that cover all 100 counties. The number of counties in each region varies, with the smallest region comprising eight counties and the largest twenty-nine. The NC State Center for Health Statistics (SCHS) provides vital statistics data for each of these regions in many of their annual reports and publications and per ad hoc requests. The Maternal Health Innovation Program’s State Provider Support Network is organized by these PCRs.

**Data Considerations**

To highlight inequities in health outcomes due to interpersonal, institutional, and systemic racism, every effort has been made to provide data for racial and ethnic population groups for each of the indicators. Racial/ethnic categories are defined by the data source and are not consistent across the indicators. Non-Hispanic is abbreviated NH in all charts and tables.



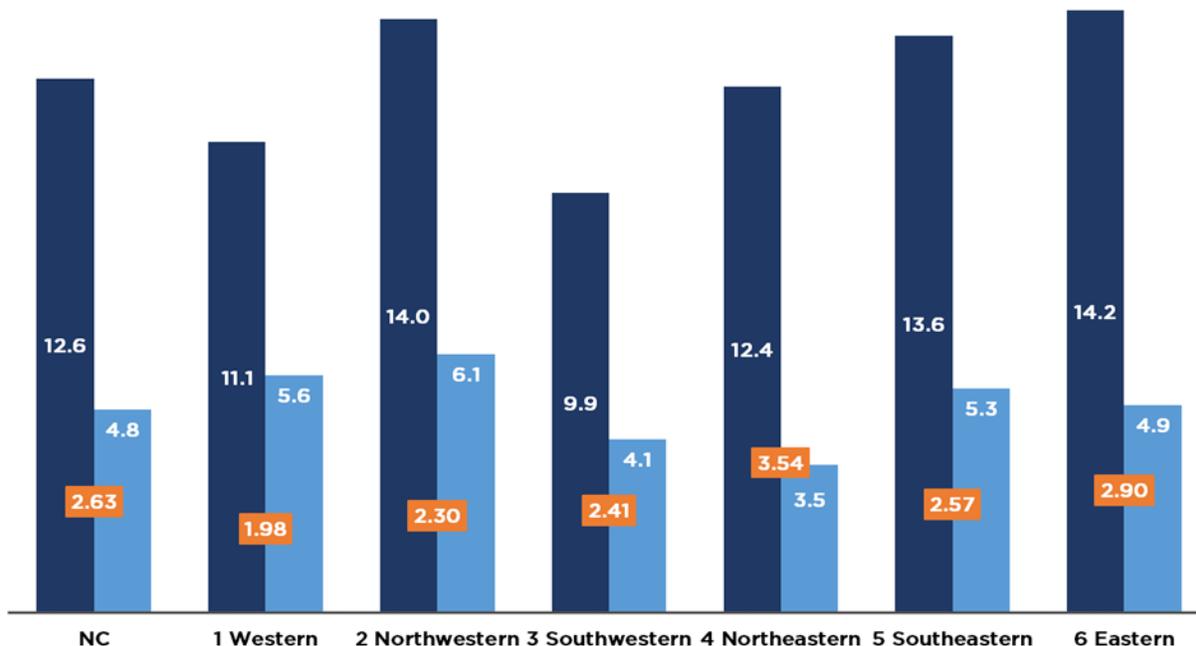
NC DEPARTMENT OF  
**HEALTH AND HUMAN SERVICES**  
Division of Public Health

**Women, Infant, and Community Wellness Section**  
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# Overarching Indicators

1) Eliminate the Black/white disparity in infant mortality (# of infant deaths for every 1,000 live births)

## Resident Black and White Infant Mortality Rates & Black/White Disparity Ratios, NC and Perinatal Care Regions 2017-2021



- Non-Hispanic (NH) Black Infant Deaths per 1000 Births
- NH White Infant Deaths per 1000 Births
- Black/White Disparity Ratio

The Black/white Disparity Ratio is the Black Infant Mortality Rate (IMR) divided by the white IMR. In NC for the 2017-2021 time period, Black babies were 2.6 times more likely to die than white babies.

### Perinatal Care Region 5 Southeastern Infant Death Rates (per 1,000 live births), 2017-2021

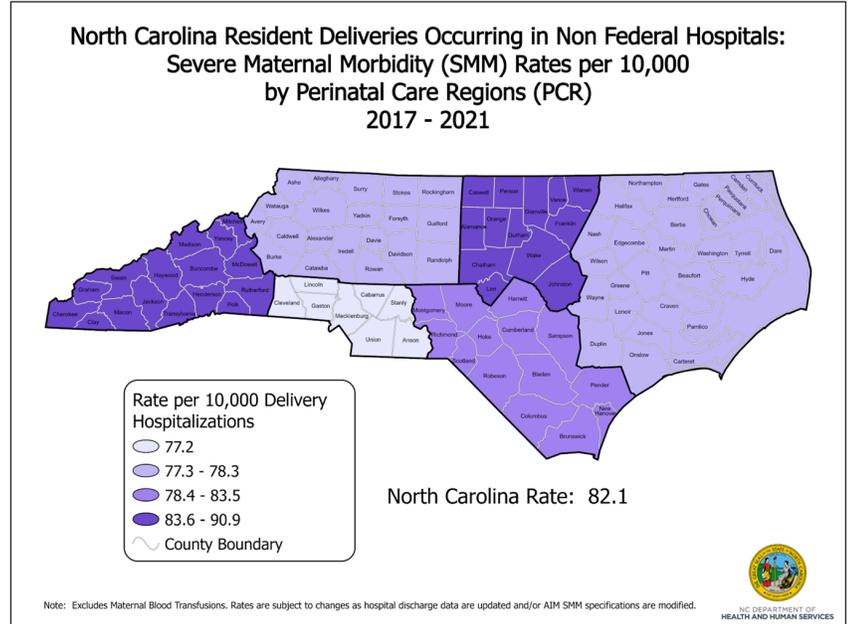
County	NH Black Infant Deaths	NH Black Births	NH Black IMR	NH White Infant Deaths	NH White Births	NH White IMR	Total Infant Deaths	Total Births	Total IMR	Black:white Disparity Ratio
Bladen	9	575	15.7	4	797	5.0	16	1736	9.2	3.1
Brunswick	6	586	10.2	22	3706	5.9	34	5134	6.6	1.7
Columbus	14	851	16.5	13	1582	8.2	27	2886	9.4	2.0
Cumberland	125	9549	13.1	55	10220	5.4	218	26729	8.2	2.4
Harnett	19	1806	10.5	31	5291	5.9	60	9330	6.4	1.8
Hoke	18	1046	17.2	4	1919	2.1	37	4396	8.4	8.3
Montgomery	2	251	8.0	7	707	9.9	12	1339	9.0	0.8
Moore	5	695	7.2	22	4148	5.3	32	5839	5.5	1.4
New Hanover	21	1772	11.9	34	7046	4.8	62	10831	5.7	2.5
Pender	11	395	27.8	5	2208	2.3	19	3168	6.0	12.3
Richmond	21	1021	20.6	9	1332	6.8	33	2826	11.7	3.0
Robeson	28	1832	15.3	7	1509	4.6	92	8789	10.5	3.3
Sampson	7	811	8.6	9	1657	5.4	25	3967	6.3	1.6
Scotland	15	954	15.7	3	576	5.2	20	2106	9.5	3.0

\*Technical Note: Rates based on small numbers (fewer than 10 deaths) are unstable & should be interpreted with caution.

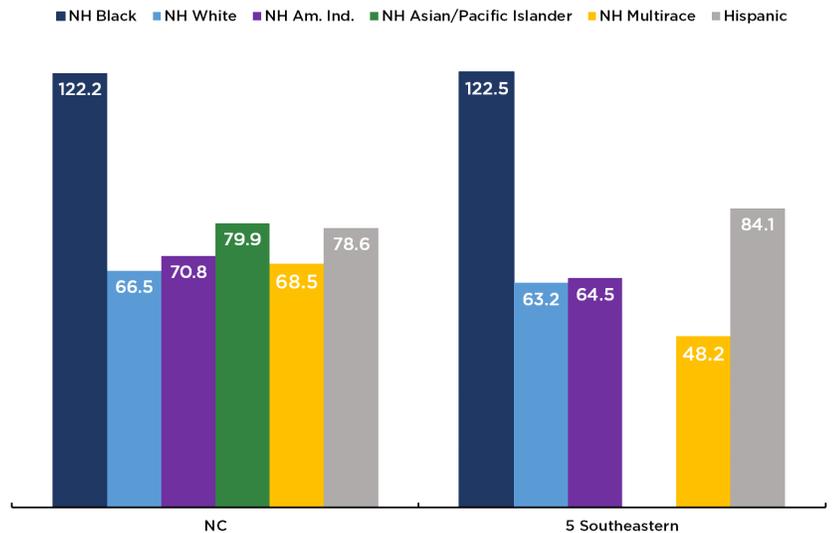
# Overarching Indicators

## 2) Eliminate the Black/white disparity in severe maternal morbidity (SMM), excluding transfusions

Severe maternal morbidities (SMM) are unexpected outcomes of labor and delivery that result in significant short- or long-term consequences to birthing individual's health. The source of these data are the NC Inpatient Hospital Discharge data files (excludes discharges from federal facilities and out-of-state hospitals). Cases in which blood transfusion was the only indicator of SMM are typically excluded, given that the number of units transfused is unknown in these data, and blood transfusion alone may not represent a "truly severe" event.



Severe Maternal Morbidity Rates per 10,000 Delivery Hospitalizations by Race/Ethnicity, NC and Perinatal Care Region 5, 2017-2021 (Rates based on fewer than 10 cases are unreliable and are redacted from this chart.)



PCR 5 Southeastern Severe Maternal Morbidity Rates, 2017-2021

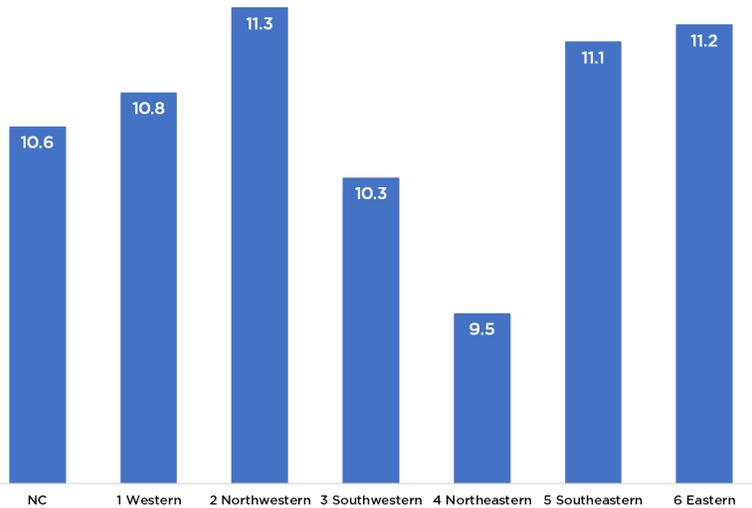
County of Residence:	SMM (excluding transfusions)	Total Deliveries	SMM Rate per 10,000 Deliveries	County of Residence:	SMM (excluding transfusions)	Total Deliveries	SMM Rate per 10,000 Deliveries
Bladen	15	1,574	95.3	Moore	22	4,976	44.2
Brunswick	38	4,845	78.4	New Hanover	86	10,469	82.1
Columbus	26	2,284	113.8	Pender	37	2,957	125.1
Cumberland	177	18,515	95.6	Richmond	12	2,798	42.9
Harnett	61	6,672	91.4	Robeson	64	8,633	74.1
Hoke	18	2,882	62.5	Sampson	38	3,790	100.3
Montgomery	7	1,334	*	Scotland	15	2,034	73.7

\*Rates based on fewer than 10 discharges are unreliable/unstable & are not presented

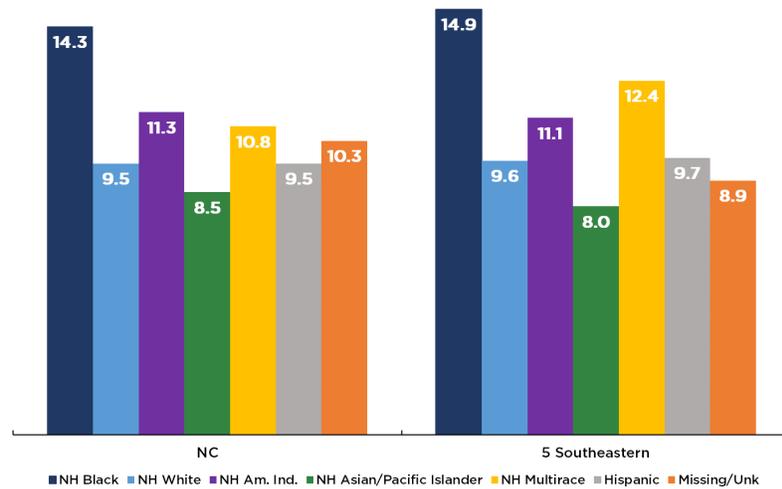
# Overarching Indicators

3) Decrease the percentage of preterm births to 7.3% or less for all racial/ethnic groups (Preterm means baby was born <37 weeks gestation.)

Percent Preterm Births for NC & Perinatal Care Regions, 2017-2021



Percent Preterm Births by Race/Ethnicity NC and Perinatal Care Region 5, 2017-2021

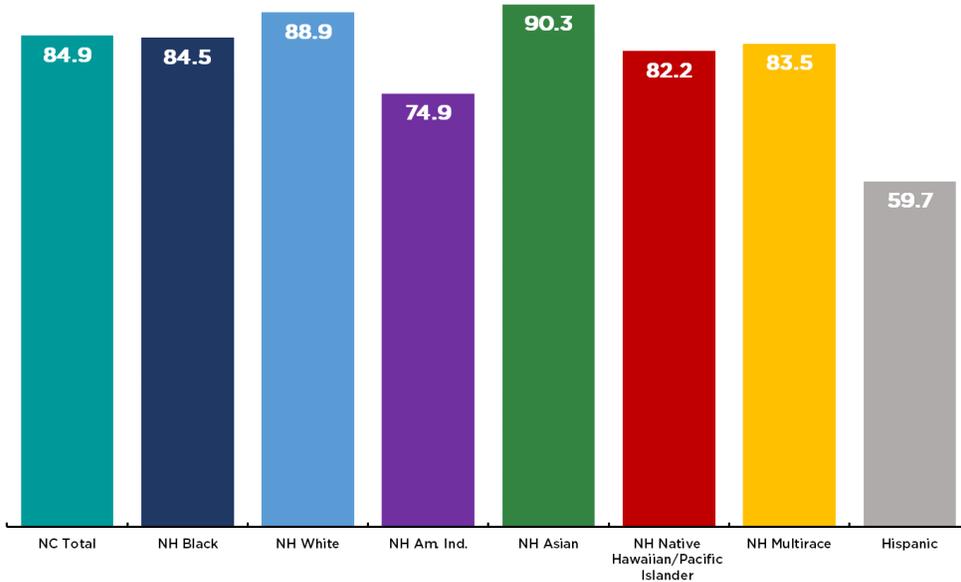


Perinatal Care Region 5 Southeastern Preterm Births (<37 weeks gestation), 2017-2021																
County	NH Am. Indian		NH Asian/PI		NH Black		Hispanic		Missing/Unk		NH Multiracial		NH White		TOTAL	
	Total Births	% Preterm Births	Total Births	% Preterm Births	Total Births	% Preterm Births	Total Births	% Preterm Births	Total Births	% Preterm Births	Total Births	% Preterm Births	Total Births	% Preterm Births	Total Births	% Preterm Births
Bladen	58	15.5	4	0	575	15.5	250	10.4	3	33.3	49	22.4	797	9.8	1736	12.3
Brunswick	45	13.3	51	5.9	586	15	599	10.9	3	0	144	16	3706	10.1	5134	10.9
Columbus	88	9.1	6	0	851	15.3	245	11.4	6	33.3	108	16.7	1582	11.2	2886	12.6
Cumberland	382	13.4	828	7.6	9549	14.7	4088	9	47	17	1615	11.5	10220	9.6	26729	11.5
Harnett	71	18.3	136	8.8	1806	14.6	1629	8.7	25	0	372	10.5	5291	8.8	9330	10
Hoke	287	15.7	97	8.2	1046	14.6	804	10.6	4	25	239	12.1	1919	7.3	4396	10.5
Montgomery	1	0	28	17.9	251	17.9	327	7	5	20	20	15	707	10	1339	11.1
Moore	60	10	107	8.4	695	16.5	627	8.3	18	0	184	9.2	4148	8.4	5839	9.4
New Hanover	23	8.7	192	7.8	1772	16.9	1468	10.8	19	0	311	13.5	7046	9.4	10831	10.9
Pender	5	20	23	8.7	395	19.7	433	8.8	4	0	100	18	2208	11.1	3168	12.1
Richmond	93	12.9	21	0	1021	15.5	248	10.5	5	20	106	17.9	1332	13.2	2826	13.9
Robeson	3795	10.2	67	10.4	1832	13.6	1360	10	15	6.7	211	14.2	1509	10.7	8789	11.1
Sampson	55	7.3	16	12.5	811	12	1347	11.6	9	0	72	9.7	1657	9.8	3967	10.8
Scotland	353	12.2	18	5.6	954	14.6	74	8.1	5	0	126	10.3	576	10.6	2106	12.5

# Overarching Indicators

## 4) Increase health insurance rates to 90% or above for all racial/ethnic groups

Percent of People Age 19-64 in NC with Health Insurance by Race/Ethnicity, 2021

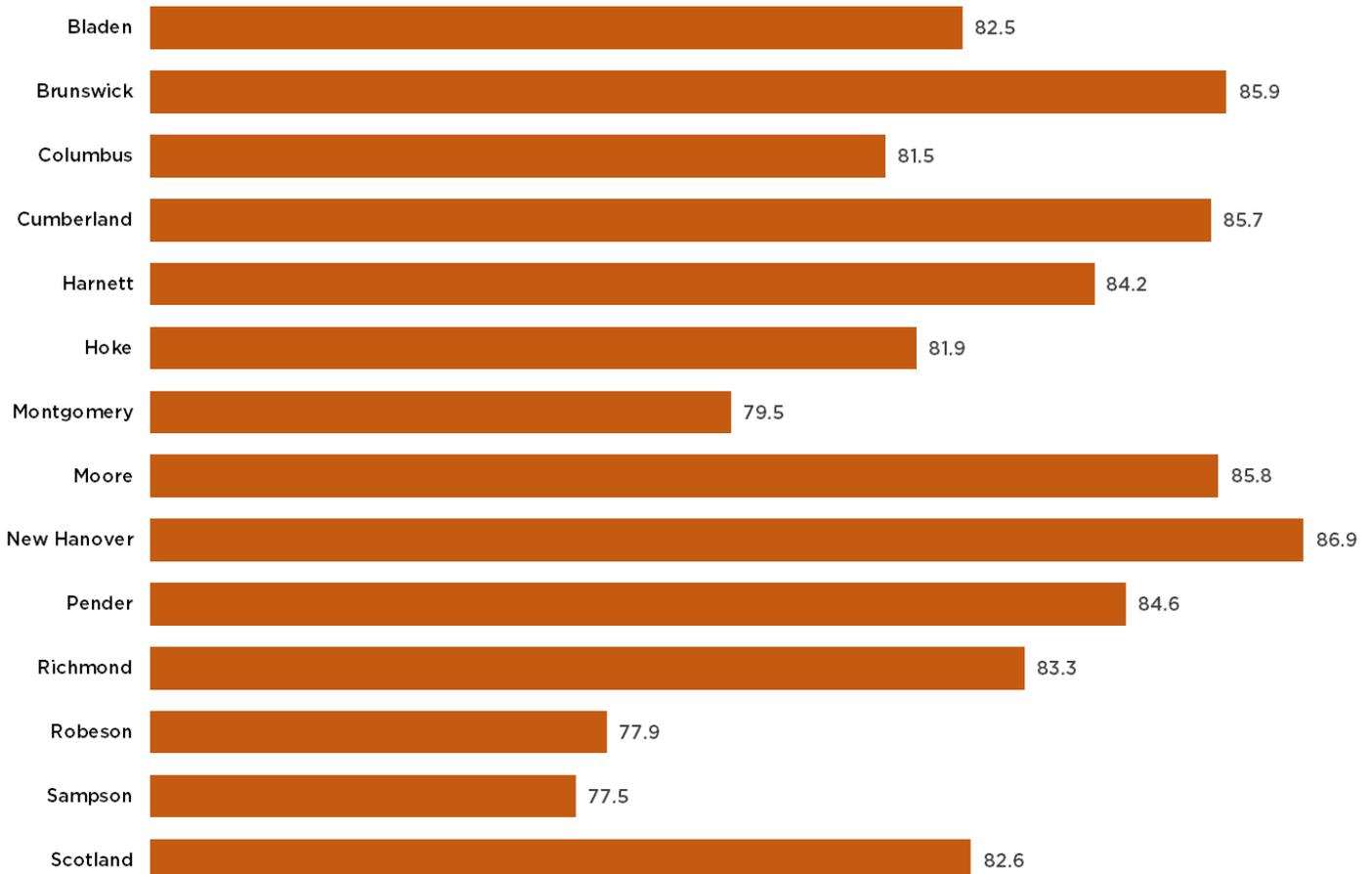


Small Area Health Insurance Estimates (SAHIE) uses the American Community Survey (ACS) definition of insured: Is this person CURRENTLY covered by any of the following types of health insurance or health coverage plans?

- Insurance through a current or former employer or union (of this person or another family member)
- Insurance purchased directly from an insurance company (by this person or another family member)
- Medicare, for people 65 and older, or people with certain disabilities (Note: SAHIE does not report insurance rates for people over 65 since over 98% of people over the age of 65 are insured)
- Medicaid, Medical Assistance, or any kind of government-assistance plan for those with low income or a disability
- TRICARE or other military health care
- Indian Health Services\*
- Any other type of health insurance or health coverage plan (user specified)

\*People whose only health coverage is Indian Health Service are uninsured as IHS is not considered comprehensive coverage.

Percent of People Age 19-64 with Health Insurance Perinatal Care Region 5 Southeastern, 2021



# Additional County Data Sources

## State Center for Health Statistics

County Health Data Book <https://schs.dph.ncdhhs.gov/data/databook/>

Basic Automated Birth Yearbook <https://schs.dph.ncdhhs.gov/data/vital/babybook/2021.htm>

NC Reported Pregnancies <https://schs.dph.ncdhhs.gov/data/vital/pregnancies/2021/>

Infant Mortality Statistics <https://schs.dph.ncdhhs.gov/data/vital/ims/2021/>

## March of Dimes

Report Card <https://www.marchofdimes.org/peristats/reports/north-carolina/report-card>

State Summary <https://www.marchofdimes.org/peristats/state-summaries/north-carolina?lev=1&obj=3&reg=99&slev=4&sreg=37&stop=55&top=3>

Maternity Care Report: <https://www.marchofdimes.org/where-you-live-matters-maternity-care-deserts-and-crisis-access-and-equity>

## NC Child

County Data Cards <https://ncchild.org/what-we-do/insights/data/>

## County Health Rankings & Roadmaps

County Rankings Data <https://www.countyhealthrankings.org/search?f%5B0%5D%3Acounties&keywords=North%20Carolina>