

# 2024 Maternal and Child Health Data Brief



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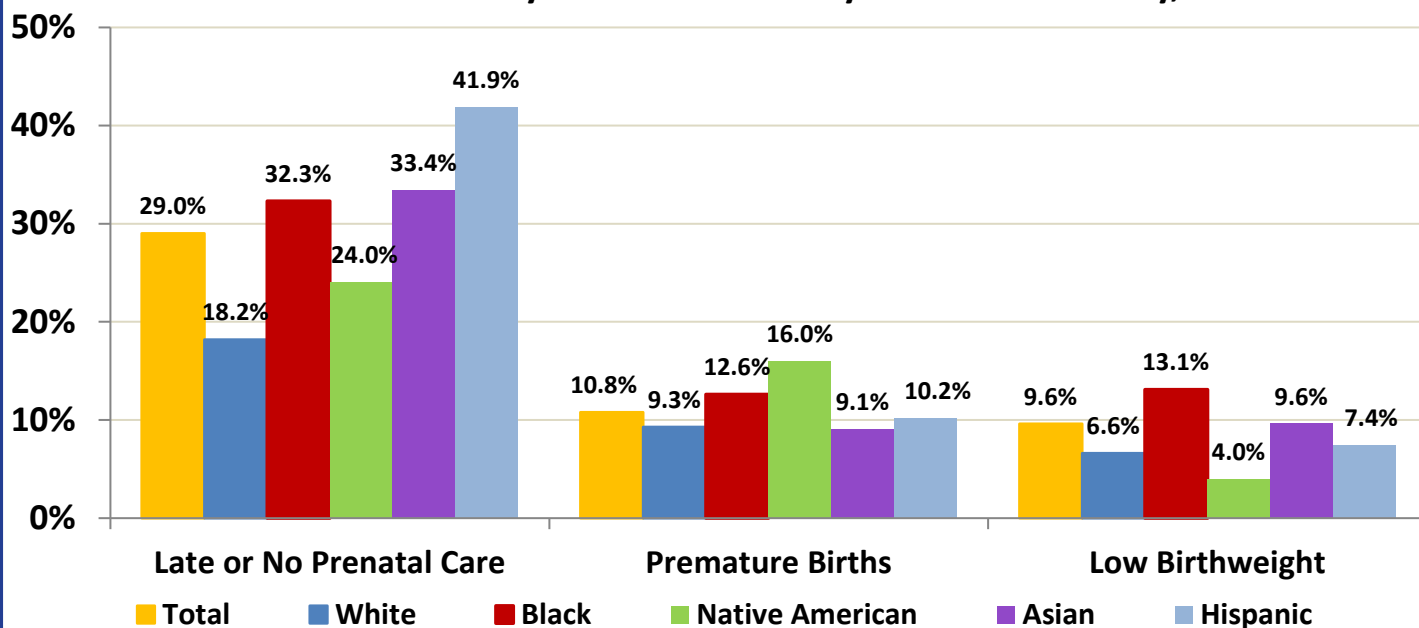
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## Differences in Select Guilford County Birth Outcomes for 2022

*A note on data in this report: The processing of birth and death certificate records results in a delay in public data availability.*

- Hispanic, Asian and African American mothers were less likely to receive early prenatal care than Whites in 2022.
- The percent of preterm births declined slightly from 11.9 in 2020 to 10.8 in 2022, with large disparities by race and ethnicity.
- While the low birthweight rate decreased from 10.9% in 2020 to 9.6% 2022, the percent of low and very low birthweight was highest among Black births.

## Select Guilford County Birth Outcomes by Race and Ethnicity, 2022



Source: NC State Center for Health Statistics.

## Teen Pregnancies, Abortions and Live Births in Guilford County

### Teen Pregnancies, Abortions, Live Births and Rates per 1,000 Females by Age Group and by Race/Ethnicity, 2022

	All Races	All Races	White, non- Hispanic	White, non- Hispanic	African American, non- Hispanic	African American, non- Hispanic	Asian/ Pacific Islander, non- Hispanic	Asian/ Pacific Islander, non- Hispanic	Native American, non- Hispanic	Native American, non- Hispanic	Hispanic	Hispanic
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Pregnancies Ages 10-14	6	0.3	0	0.0	5	0.9	0	0.0	0	0.0	1	0.4
Pregnancies Ages 15-19	360	15.2	47	5.0	198	21.1	3	3.6	2	15.6	84	34.6
Abortions Ages 10-14	2	0.1	1	0.1	2	0.4	0	0.0	0	0.0	0	0.0
Abortions Ages 15-19	156	6.6	23	2.5	80	8.5	3	3.6	1	7.8	22	9.1
Live Births Ages 10-14	4	0.2	0	0.0	2	0.4	0	0.0	0	0.0	1	0.4
Live Births Ages 15-19	202	8.6	35	3.8	110	11.8	4	4.8	1	7.8	64	26.4

Population Estimates	All Races	White, non-Hispanic	African American, non-Hispanic	Asian/ Pacific Islander, non-Hispanic	Native American, non- Hispanic	Hispanic
Females Ages 10-14	18,927	6,633	5,593	1,059	59	2,624
Females Ages 15-19	23,592	9,328	9,360	830	128	2,425

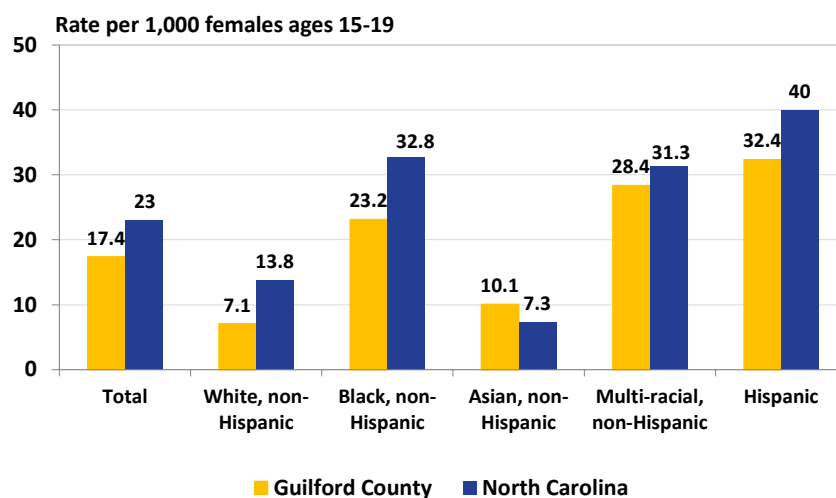
Source: NC State Center for Health Statistics. Population estimates are from American Community Survey, 2022 one-year estimates for All Races and five -year estimates for race and Hispanic groups, [data.census.gov](https://data.census.gov).

Note: Use caution when interpreting rates based on small number, i.e., less than 10.

## Trends in Teen Pregnancy

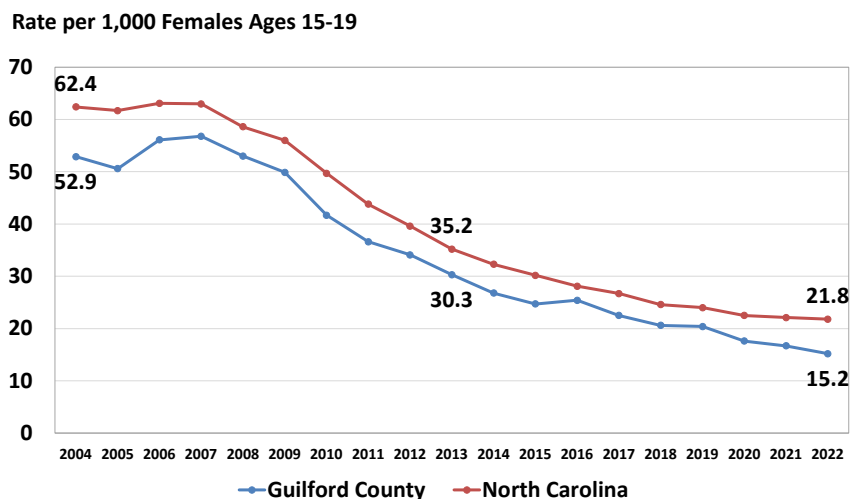
- Guilford County teen pregnancy rates have decreased significantly in the past 18 years, from a rate of 52.9 per 1,000 females ages 15-19 in 2004 to a rate of 15.2 per 1,000 in 2022.
- Guilford County teen pregnancy rates have remained lower than North Carolina rates during that time frame.
- Despite this progress, significant racial and ethnic disparities remain in Guilford County and North Carolina.
- For 2018-2022, the overall Guilford County teen pregnancy rate was 17.4 per 1,000 females ages 15-19.
- The teen pregnancy rates in Guilford County during that time were highest among Hispanic teens at a rate of 32.4 per 1,000 females ages 15-19.

### Teen Pregnancy Rates among Females Ages 15-19 Guilford County and North Carolina, by Race and Ethnicity, 2018-2022



Source: County Health Databook, NC State Center for Health Statistics.

### Teen Pregnancy Rates, Ages 15-19 Guilford County and North Carolina, 2004-2022



Source: NC State Center for Health Statistics.

## Prenatal Care in Guilford County

Prenatal visits are important for the health of both infant and mother. Health care providers can educate mothers on important health issues, such as their diet and nutrition, exercise, immunizations, weight gain and abstaining from tobacco, alcohol, and other drugs. Late entry into prenatal care is defined as beginning prenatal care after the first three months of pregnancy. Mothers who receive no prenatal care are more likely to give birth to low birthweight and preterm babies.

### Month Entering Prenatal Care by Race and Ethnicity, 2022

Month Entering Prenatal Care	Race Totals	Race Totals	White, non-Hispanic	White, non-Hispanic	Black, non-Hispanic	Black, non-Hispanic	Native American	Native American	Asian	Asian	Hispanic	Hispanic
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1	75	1.3	28	1.4	31	1.4	0	0.0	3	0.7	12	1.3
2	1,638	27.8	756	37.5	561	24.4	7	28.0	92	20.9	180	19.3
3	2,442	41.5	861	42.7	955	41.6	12	48.0	198	45.0	344	37.0
4	684	11.6	130	6.4	301	13.1	2	8.0	68	15.4	160	17.2
5	383	6.5	75	3.7	175	7.6	2	8.0	40	9.1	79	8.5
6	185	3.1	35	1.7	80	3.5	0	0.0	19	4.3	46	4.9
7	175	3.0	44	2.2	75	3.3	1	4.0	7	1.6	42	4.5
8	129	2.2	32	1.6	54	2.4	1	4.0	6	1.4	33	3.5
9	40	0.7	5	0.2	21	0.9	0	0.0	2	0.5	12	1.3
No Prenatal Care	112	1.9	47	2.3	36	1.6	0	0.0	5	1.1	18	1.9
Unknown	20	0.3	5	0.2	9	0.4	0	0	0	0	5	0.5
Total Births	5,883	100%	2,018	100%	2,298	100%	25	100%	440	100%	931	100%
Early Prenatal Care*	4,155	70.6	1,645	81.5	1,547	67.3	19	76.0	293	66.6	536	57.6

Source: NC State Center for Health Statistics. Notes: Hispanics can be of any race. "Other Races" category not included here.

\*Early Prenatal Care defined as percent of women who receive pregnancy-related health care services during the first trimester of a pregnancy. (Healthy North Carolina 2030

<https://nciom.org/healthy-north-carolina-2030/>)

## Percentage of Birthing Mothers Receiving Late or No Prenatal Care, 2015-2022

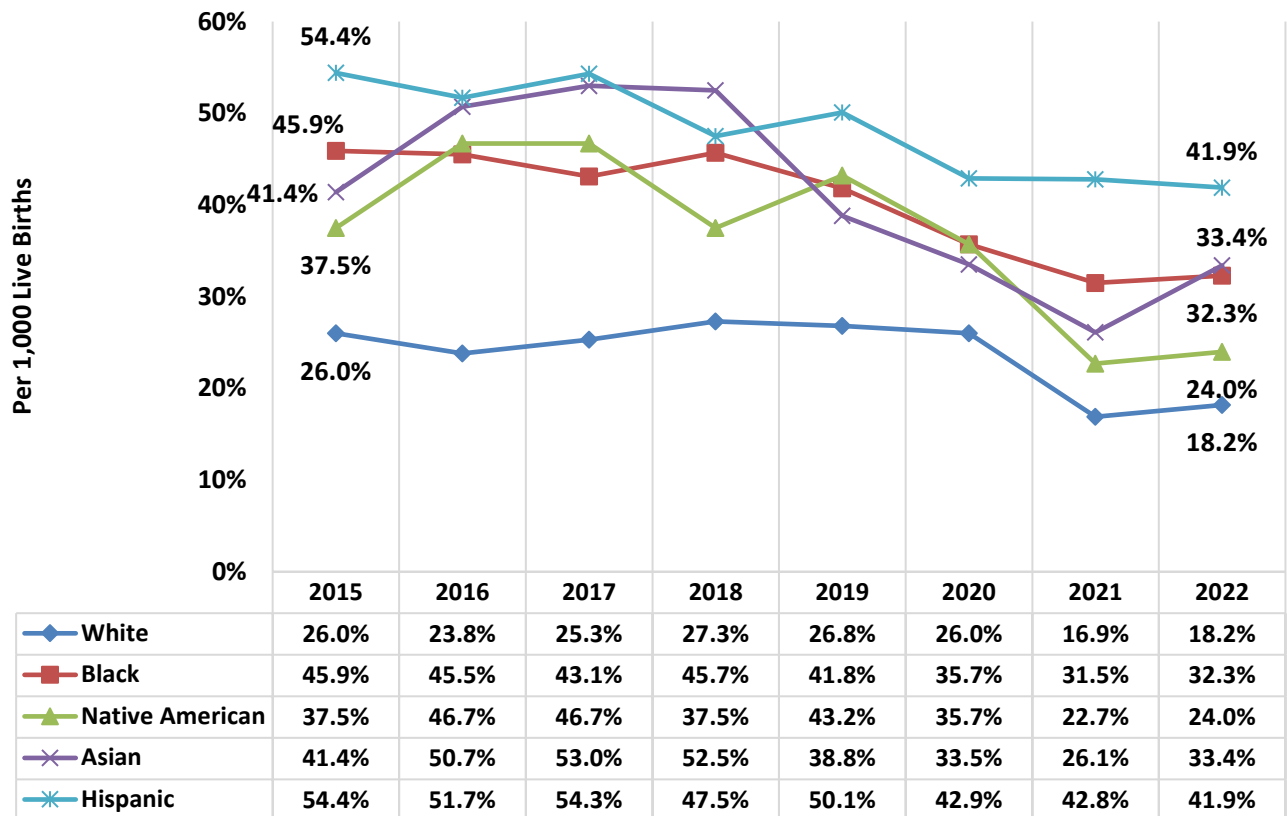
	2015	2016	2017	2018	2019	2020	2021	2022
<b>All Mothers</b>	38.5%	37.6%	37.9%	39.4%	36.7%	30.3%	27.7%	29.0%

Source: NC State Center for Health Statistics. Note: Late prenatal care is defined as prenatal care that begins after the first three months of pregnancy.

### Trends in Late or No Prenatal Care

- The percentage of birthing mothers receiving late or no prenatal care generally declined from 2018 to 2022 across all race and ethnic groups.
- White mothers consistently had the lowest percentage of late entry or no prenatal care, while Hispanic mothers had the highest rates of late or no prenatal care.

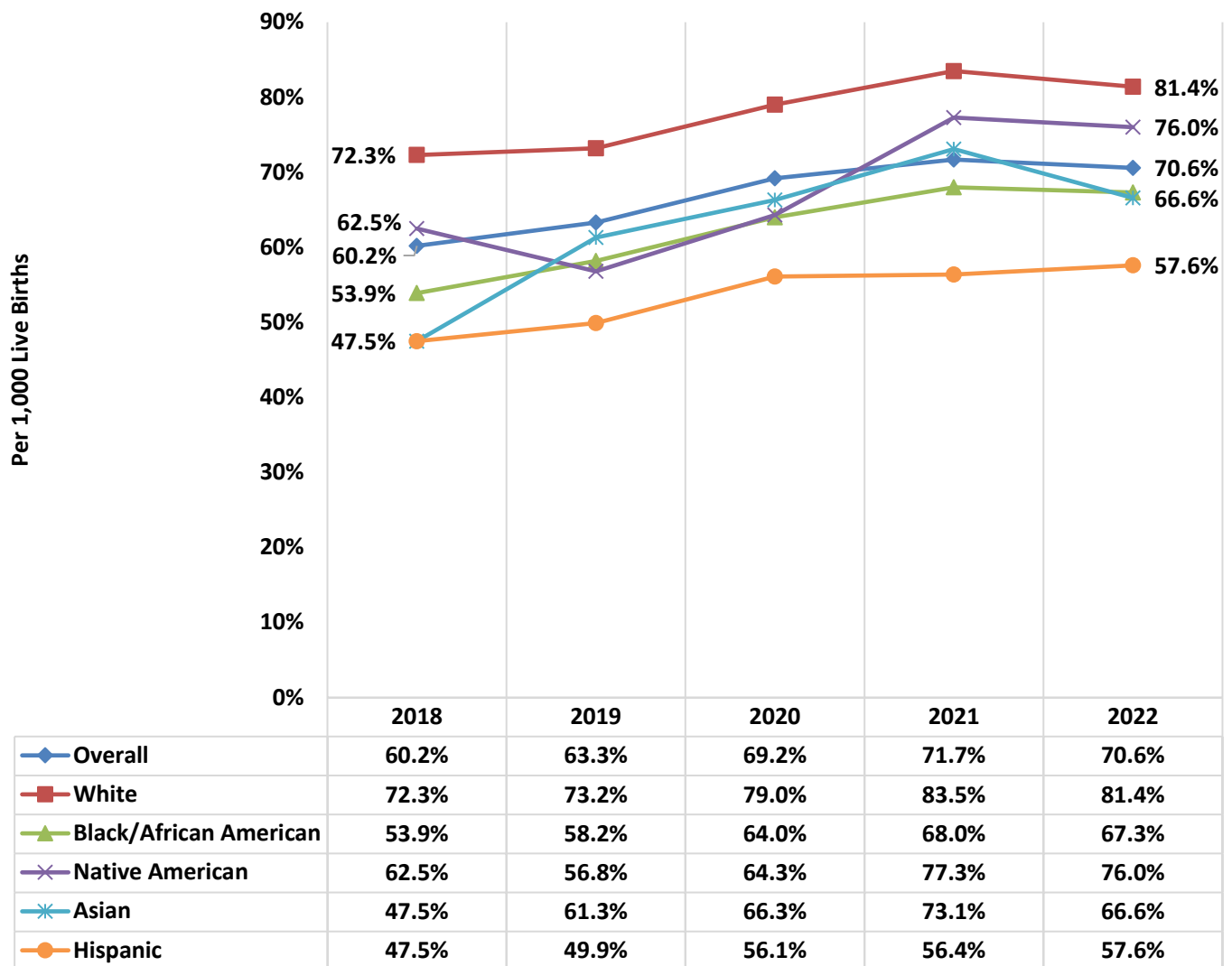
### Percent of Mothers Receiving Late or No Prenatal Care, By Race and Ethnicity, 2015-2022



## Early Entry into Prenatal Care

- The percentage of birthing mothers entering prenatal care early generally increased from 2018 to 2022 across all race and ethnic groups.
- Birthing mothers identifying as White entered prenatal care during the first trimester of pregnancy at higher rates than other racial and ethnic groups.
- Hispanic birthing mothers had the lowest rates of early entry into prenatal care.

**Percentage of Births to Mothers Receiving Early Prenatal Care by Race and Ethnicity, 2018-2022**



## Preterm Births in Guilford County

- The percent of preterm births declined slightly from 11.9% in 2020 to 10.8% in 2022.
- Large disparities in preterm birth exist by race and ethnicity. In 2022, Native Americans had the highest percentage of preterm birth at 16%, followed by African Americans at 12.6% and Hispanic at 10.2%.
- Black/African American mothers had the highest rates of extreme preterm (less than 28 weeks) and very preterm births (28 to 31 weeks).

### Completed Weeks of Gestation, All Births, 2019-2022

Gestational Age Category	2019	2019	2020	2020	2021	2021	2022	2022
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Extremely preterm (Less than 28 weeks)	57	0.9	49	0.8	44	0.8	67	1.1
Very preterm (28 to 31 weeks)	53	0.9	73	1.2	59	1.0	56	1.0
Late preterm (32 to 36 weeks)	556	9.2	583	9.8	577	10.0	511	8.7
Normal term (37 weeks plus)	5,380	89.0	5,223	89.1	5,108	88.2	5,243	89.1
Unknown	0	0.0	0	0.0	6	0.1	6	0.1
Premature Births (Less than 37 Weeks)	666	11.0	705	11.9	680	11.7	634	10.8
Total 2022 Births	6,046		5,928		5,794		5,883	

Source: NC Center for Health Statistics; North Carolina Birth Certificate File.

Note: Percentages represent the obstetric estimate of gestational age.

### Completed Weeks of Gestation, By Race and Ethnicity, 2022

Gestational Age Category	White	White	African American	African American	Native American	Native American	Asian	Asian	Hispanic	Hispanic
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Extremely preterm (Less than 28 weeks)	10	0.5	40	1.7	0	0	2	0.4	14	1.5
Very preterm (28 to 31 weeks)	11	0.6	33	1.4	0	0	4	0.9	6	0.4
Late preterm (32 to 36 weeks)	167	8.3	217	9.4	4	16.0	34	7.7	75	8.1
Normal term (37 weeks plus)	1,826	90.5	2,006	87.3	21	84.0	400	90.9	836	89.8
Premature Births (Less than 37 Weeks)	188	9.3	290	12.6	4	16.0	40	9.1	95	10.2
Total 2022 Births	2,018		2,298		25		440		931	

Source: NC Center for Health Statistics; North Carolina Birth Certificate File.

## Low Birthweight in Guilford County

- The percentage of low birthweight births in Guilford County declined from 10.6% in 2021 to 9.6% in 2022.
- Compared to other race and ethnic groups, African Americans had the highest percentages of low and very low birthweight births in 2022.

### Number and Percentage of Births by Birthweight Category, 2015-2022

Birthweight	2015	2015	2016	2016	2017	2017	2018	2018	2019	2019	2020	2020	2021	2021	2022	2022
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Under 1,500 grams	134	2.2	105	1.7	131	2.1	96	1.6	107	1.8	109	1.8	96	1.7	115	2.0
1,500-2,499 grams	482	7.9	466	7.4	516	8.3	496	8.1	473	7.8	541	9.1	515	8.9	452	7.7
2,500+ grams	5,479	89.9	5,686	90.9	5,569	89.6	5,523	90.3	5,466	90.4	5,278	89.0	5,183	89.4	5,314	90.3
Under 2,500 Grams	616	10.1	571	9.1	647	10.4	592	9.7	580	9.6	650	10.9	613	10.6	567	9.6
Total 2022 Births	6,095		6,258		6,218		6,115		6,046		5,928		5,794		5,883	

Source: NC Center for Health Statistics; North Carolina Birth Certificate File.

Note: Birthweights under 2,500 grams are classified as low birthweight; birthweights under 1,500 grams are classified as very low birthweight.

### Low and Very Low Birthweight, by Race and Ethnicity, 2022

Birthweight Category	White	White	African American	African American	Native American	Native American	Asian	Asian	Hispanic	Hispanic
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Very low birthweight (Under 1,500 gm)	18	0.9	69	3.0	0	0.0	4	0.9	22	2.4
Low birthweight (Under 2,500 gm)	134	6.6	301	13.1	1	4.0	42	9.6	69	7.4
Normal birthweight (2,500 gm and over)	1,884	93.4	1,995	86.8	24	96.0	398	90.4	862	92.6
Total 2022 Births	2,018		2,298		25		440		931	

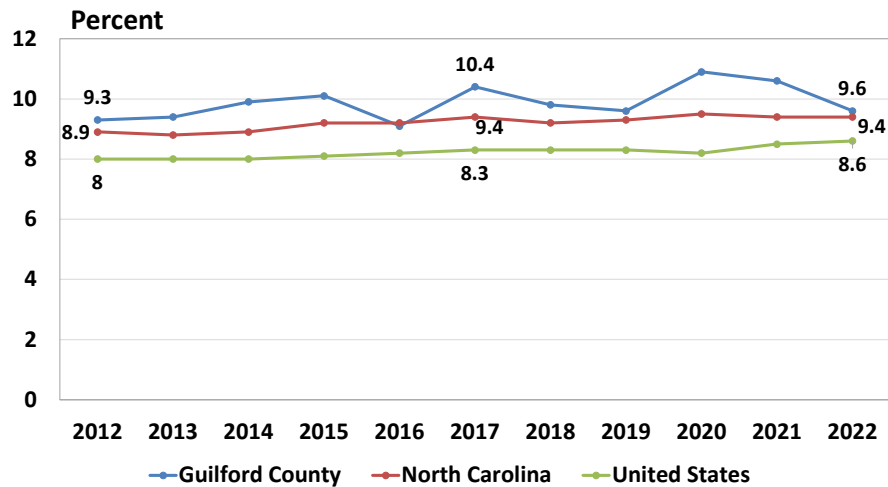
Source: NC Center for Health Statistics, 2022 Birth Certificate File.



## Trends and Differences in Birth Weight Outcomes

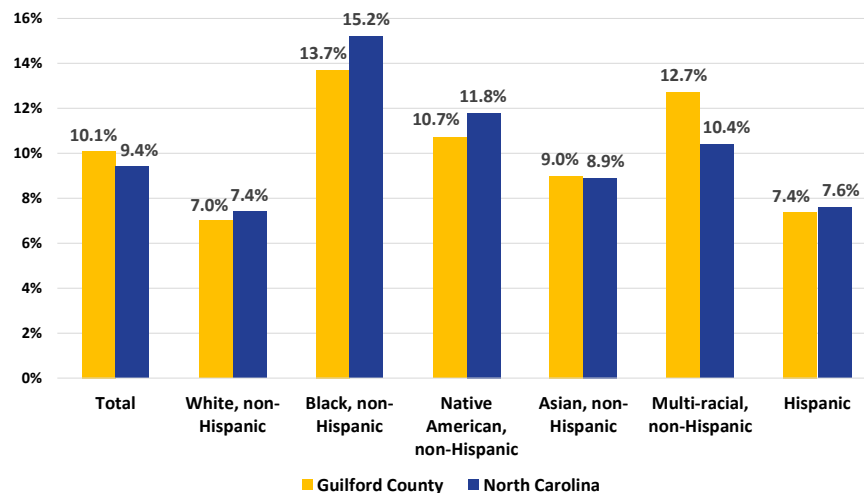
- The percentage of low birthweight births in Guilford County exceeded national percentages from 2012 to 2022 and NC percentages for most years except for 2016.
- From 2018 to 2022, the percentage of low birthweight births was 10.1%, slightly higher than NC.
- During that time frame, the highest percentage of low birthweight births were among African American and multiracial babies were twice as likely to be low birthweight compared to White and Hispanic babies.

### Percent of Births Low Birthweight, Guilford County, North Carolina and United States, 2012-2022



Note: Low birthweight births have birthweight less than 2,500 grams.  
Source: County Health Databook, NC Center for Health Statistics, CDC.

### Percent of Births Low Birthweight by Race and Ethnicity, Guilford County and NC, 2018-2022



Source: County Health Databook, NC Center for Health Statistics.

## Characteristics of Guilford County Births, by Race and Ethnicity, 2022

- The highest percentage of new mothers ages 15-17 and 18-19 were among Hispanic and Blacks in 2022.
- In 2022, educational attainment was highest among White and Asian mothers.
- A little more than a quarter of mothers giving birth in 2022 had pre-pregnancy BMI scores 30 and over (obese). The highest rates of pre-pregnancy obesity were among African American women (43.2%) and the lowest rates were among Asian women (15.7%).
- Based on the Kotelchuck Prenatal Care Adequacy Index, which measures both the time of initiation of prenatal care and the number of prenatal care visits, Hispanic mother had the highest rate of inadequate care and the lowest rate of Adequate Plus prenatal care. White mothers had the lowest rates of inadequate care.
- Native American and White mothers had the highest percentages of pre-pregnancy smoking and smoking during pregnancy.
- 44.1% of new mothers were WIC recipients. This percentage was lower for White mothers and higher for other race and ethnic groups.
- 28.9% of births were delivered by Cesarean section.
- 44.3% of deliveries were paid with Medicaid compared to 48.6% with private insurance.
- 77.7% of mothers breastfed at discharge from hospital, down from 84.3% in 2019.

### Mother's Age by Race and Hispanic Status, 2022 Births

Category	Guilford County	Guilford County	White non-Hispanic	White non-Hispanic	Black non-Hispanic	Black non-Hispanic	Native American non-Hispanic	Native American non-Hispanic	Asian non-Hispanic	Asian non-Hispanic	Hispanic	Hispanic
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Ages 13-14	4	0.1	0	0.0	3	0.1	0	0.0	0	0.0	1	0.1
Ages 15-17	47	0.8	5	0.2	27	1.2	0	0.0	0	0.0	11	1.2
Ages 18-19	155	2.6	25	1.2	79	3.4	0	0.0	2	0.4	43	4.6
Ages 20-24	1,057	18.0	220	10.9	511	22.2	7	28.0	53	12.0	212	22.8
Ages 25-29	1,629	27.7	543	26.9	673	29.3	5	20.0	121	27.5	236	25.4
Ages 30-34	1,783	30.3	776	38.4	581	25.3	7	28.0	157	35.7	231	24.8
Ages 35-39	955	16.2	371	18.4	322	14.0	4	16.0	81	18.4	158	17.0
Ages 40-44	232	3.9	71	3.5	90	3.9	2	8.0	25	5.7	38	4.1
Ages 45-51	21	0.4	7	0.4	12	0.5	0	0.0	1	0.2	1	0.1
Total	5,883	100%	2,298	100%	2,298	100%	25	100%	440	100%	931	100%

Source: 2022 NC Birth Certificate File, North Carolina State Center for Health Statistics.

### Mother's Educational Attainment by Race and Hispanic Status, 2022 Births

Category	Guilford County	Guilford County	White non-Hispanic	White non-Hispanic	Black non-Hispanic	Black non-Hispanic	Native American non-Hispanic	Native American non-Hispanic	Asian non-Hispanic	Asian non-Hispanic	Hispanic	Hispanic
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
8 <sup>th</sup> Grade or Less	221	3.8	13	0.6	37	1.6	1	4.0	41	9.3	125	13.4
High School/no diploma	450	7.6	73	3.6	187	8.1	1	4.0	39	8.9	135	14.5
High School Grad /GED	1,509	25.6	291	14.4	736	32.0	6	24.0	96	21.8	319	34.3
Some College/no degree	1,122	19.1	354	17.5	541	23.5	4	16.0	37	8.4	149	16.0
Associate Degree	496	8.4	184	9.1	186	8.1	5	20.0	36	8.2	75	8.1
Bachelor's Degree	1,347	22.9	687	34.0	427	18.6	6	34.0	113	25.7	88	9.4
Masters Degree	539	9.2	286	14.2	154	6.7	2	8.0	59	13.4	26	2.8
Doctoral or Professional	193	3.3	130	6.4	29	1.3	0	0.0	19	4.3	12	1.3
Unknown/Missing data	6	0.1	0	0.0	1	0.4	0	0.0	0	0.0	2	0.2
Total	5,883	100%	2,018	100%	2,298	100%	25	100%	440	100%	931	100%

Source: 2022 NC Birth Certificate File, North Carolina State Center for Health Statistics.

### Mother's Pre-Pregnancy Body Mass Index (BMI) By Race and Hispanic Status, 2022 Births

Category	Guilford County	Guilford County	White non-Hispanic	White non-Hispanic	Black non-Hispanic	Black non-Hispanic	Native American non-Hispanic	Native American non-Hispanic	Asian non-Hispanic	Asian non-Hispanic	Hispanic	Hispanic
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Underweight (less than 18.5)	148	2.5	45	2.2	63	2.7	1	4.0	19	4.3	12	1.3
Normal Weight (18.5-24.9)	1,945	33.1	821	40.7	581	25.3	8	32.0	206	46.8	273	29.3
Overweight (25.0-29.9)	1,562	26.6	530	26.3	573	24.9	8	32.0	132	30.0	283	30.4
Obese (30.0+)	2,029	26.6	577	28.6	992	43.2	8	32.0	69	15.7	322	34.6
Unknown	199	3.4	45	2.2	89	3.9	0	0.0	14	3.2	41	4.4
Total	5,883	100%	2,018	100%	2,298	100%	25	100%	440	100%	931	100%

Note: Body Mass Index (BMI) is one screening tool used for population assessment of overweight and obesity. BMI is calculated by dividing a person's weight in kilograms divided by height in meters squared. The categories and ranges above are the standard weight status categories associated with BMI ranges for adults.

### Kotelchuck Prenatal Care Adequacy Index By Race and Hispanic Status, 2022 Births

Category	Guilford County	Guilford County	White non-Hispanic	White non-Hispanic	Black non-Hispanic	Black non-Hispanic	Native American non-Hispanic	Native American non-Hispanic	Asian non-Hispanic	Asian non-Hispanic	Hispanic	Hispanic
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Inadequate	1,111	18.9	254	12.6	472	20.5	4	16.0	88	20.0	259	27.8
Intermediate	254	4.3	63	3.1	118	5.1	0	0.0	10	2.3	55	5.9
Adequate	1,193	20.3	501	24.8	380	16.5	6	24.0	85	19.3	186	20.0
Adequate Plus	3,299	56.1	1,193	59.1	1,318	57.4	15	60.0	257	58.4	424	45.4
Missing	26	0.4	7	0.4	10	0.4	0	0.0	0	0.0	7	0.8
Total	5,883	100%	2,018	100%	2,298	100%	25	100%	420	100%	931	100%

Note: The Kotelchuck Index of Adequacy of Prenatal Care Utilization combines information on time of prenatal care initiation with the number of prenatal care visits, resulting in four categories: 1. Inadequate (received less than 50% of expected visits), 2. Intermediate (50%-79% of expected visits), 3. Adequate (80%-109% of expected visits), and 4. Adequate Plus (110% or more of expected visits).

### Mother Smoking Before and During Pregnancy by Race and Hispanic Status, 2022 Births

Category	Guilford County	Guilford County	White non-Hispanic	White non-Hispanic	Black non-Hispanic	Black non-Hispanic	Native American non-Hispanic	Native American non-Hispanic	Asian non-Hispanic	Asian non-Hispanic	Hispanic	Hispanic
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Before Pregnancy	305	5.2	135	6.7	121	5.3	4	16.0	0	0.0	24	2.6
During 1 <sup>st</sup> Trimester	201	3.4	105	5.2	75	3.3	2	8.0	0	0.0	7	0.8
During 2 <sup>nd</sup> Trimester	166	2.8	86	4.3	63	2.8	2	8.0	0	0.0	4	0.4
During 3 <sup>rd</sup> Trimester	147	2.5	82	4.1	50	2.2	2	8.0	0	0.0	4	0.4

### Mother has WIC (Women, Infant and Children Food and Nutrition Services) By Race and Hispanic Status, 2022 Births

Category	Guilford County	Guilford County	White non-Hispanic	White non-Hispanic	Black non-Hispanic	Black non-Hispanic	Native American non-Hispanic	Native American non-Hispanic	Asian non-Hispanic	Asian non-Hispanic	Hispanic	Hispanic
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Mother has WIC	2,595	44.1	359	17.8	1,339	58.3	12	48.0	186	42.3	611	65.3
Mother does not have WIC	3,287	55.9	1,659	82.2	959	41.7	13	52.0	254	57.7	320	34.3
Total	5,883	100%	2,018	100%	2,298	100%	25	100%	440	100%	931	100%

### Infectious Diseases Present and/or Treated During Pregnancy by Race and Hispanic Status, 2022 Births

Category	Guilford County	Guilford County	White non-Hispanic	White non-Hispanic	Black non-Hispanic	Black non-Hispanic	Native American non-Hispanic	Native American non-Hispanic	Asian non-Hispanic	Asian non-Hispanic	Hispanic	Hispanic
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Gonorrhea	23	0.4	4	0.2	13	0.6	0	0.0	0	0.0	3	0.3
Chlamydia	133	2.3	10	0.5	84	3.7	0	0.0	1	0.3	27	2.9
Syphilis	6	0.1	1	0.05	2	0.1	0	0.0	0	0.0	2	0.2
Hepatitis C	11	0.2	9	0.4	2	0.1	0	0.0	0	0.0	0	0.0
Hepatitis B	10	0.2	0	0.0	7	0.3	0	0.0	3	0.7	0	0.0

### Route of Delivery by Race and Hispanic Status, 2022 Births

Category	Guilford County	Guilford County	White non-Hispanic	White non-Hispanic	Black non-Hispanic	Black non-Hispanic	Native American non-Hispanic	Native American non-Hispanic	Asian non-Hispanic	Asian non-Hispanic	Hispanic	Hispanic
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Spontaneous	3,970	67.5	1,320	65.4	1,559	67.8	19	76.0	285	64.8	667	71.6
Forceps	9	0.2	3	0.2	3	0.1	0	0.0	2	0.4	1	0.1
Vacuum	204	3.5	84	4.2	66	2.9	0	0.0	21	4.8	26	2.8
Cesarean	1,699	28.9	611	30.3	669	29.1	6	24.0	132	30.0	237	25.5
Total	5,883	100%	2,018	100%	2,298	100%	22	100%	440	100%	931	100%

### Form of Payment for Delivery Expenses by Race and Hispanic Status, 2022 Births

Category	Guilford County	Guilford County	White non-Hispanic	White non-Hispanic	Black non-Hispanic	Black non-Hispanic	Native American non-Hispanic	Native American non-Hispanic	Asian non-Hispanic	Asian non-Hispanic	Hispanic	Hispanic
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Medicaid	2,606	44.3	471	23.3	1,402	61.0	14	56.0	285	64.8	667	71.6
Private Insurance	2,860	48.6	1,495	74.1	832	36.2	11	44.0	2	0.4	1	0.1
Self-Pay	403	6.8	48	2.4	58	36.2	0	0.0	21	4.8	26	2.8
Other	13	0.2	4	0.2	5	0.2	0	0.0	132	30.0	237	25.5
Total	5,883	100%	2,018	100%	2,298	100%	25	100%	440	100%	931	100%

### Infant Breastfed at Discharge by Race and Hispanic Status, 2022 Births

Category	Guilford County	Guilford County	White non-Hispanic	White non-Hispanic	Black non-Hispanic	Black non-Hispanic	Native American non-Hispanic	Native American non-Hispanic	Asian non-Hispanic	Asian non-Hispanic	Hispanic	Hispanic
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Breastfed at Discharge	4,569	77.7	1,666	82.6	1,666	72.5	17	68.0	340	77.3	739	79.4
Not Breastfed	1,314	22.3	352	17.4	632	27.5	8	32.0	100	22.7	192	20.6
Total	5,883	100%	2,018	100%	2,298	100%	25	100%	440	100%	931	100%

### Other Characteristics, Risk Factors and Complications of Pregnancy and Delivery By Race and Hispanic Status, 2022 Births

Category	Guilford County	Guilford County	White non-Hispanic	White non-Hispanic	Black non-Hispanic	Black non-Hispanic	Native American non-Hispanic	Native American non-Hispanic	Asian non-Hispanic	Asian non-Hispanic	Hispanic	Hispanic
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Pre-Pregnancy Diabetes	91	1.6	22	1.1	46	2.0	0	0.0	5	1.1	15	1.6
Gestational Diabetes	541	9.2	116	5.8	220	9.6	0	0.0	63	14.3	132	14.2
Pre-Pregnancy Hypertension	239	4.1	47	2.3	148	6.4	1	4.0	4	0.9	31	3.3
Gestational Hypertension	651	11.1	217	10.8	304	13.2	4	16.0	22	5.0	85	9.1
Hypertension Eclampsia	10	0.2	3	0.2	5	0.2	0	0.0	1	0.2	1	0.1
Previous Preterm Birth	502	8.5	131	6.5	239	10.4	3	12	26	5.9	88	9.4
Other Previous Poor Outcome*	191	3.2	45	2.2	95	4.1	1	4.0	16	3.6	29	3.1
Received Infertility Treatment	61	1.0	35	1.7	18	0.8	0	0.0	5	1.1	2	0.2
Previous Cesarean Delivery	958	16.3	309	15.3	394	17.2	6	24.0	74	16.8	157	16.9
Admission to NICU	426	7.2	146	7.2	197	8.6	1	4.0	22	5.0	49	5.3

Source: 2022 NC Birth Certificate File; NC State Center for Health Statistics.

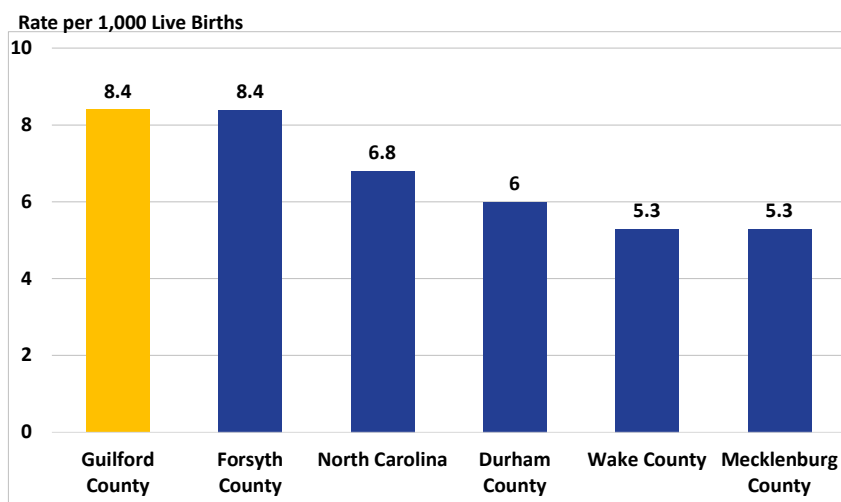
\*Previous poor pregnancy outcomes may include perinatal death, small for gestational age and intrauterine growth restricted birth.

## Infant Mortality in Guilford County

### Infant Mortality Trends

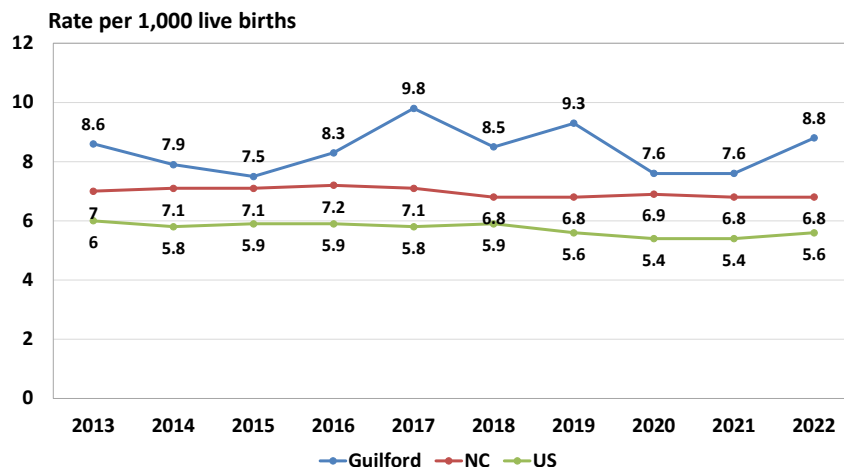
- The five-year 2018-2022 infant mortality rate in Guilford County was higher than NC and other peer counties except for Forsyth County.
- The infant mortality rate in Guilford County increased to 8.8 deaths per 1,000 live births in 2022 from 7.6 in 2021.
- From 2007 to 2022, the infant mortality rate was higher in Guilford County than North Carolina and the United States.

### Five-Year Infant Mortality Rates Guilford County, NC and Comparison Counties, 2018-2022



Source: County Health Databook; NC State Center for Health Statistics.

### Infant Mortality Rate, 2013-2022 Guilford County, North Carolina and United States

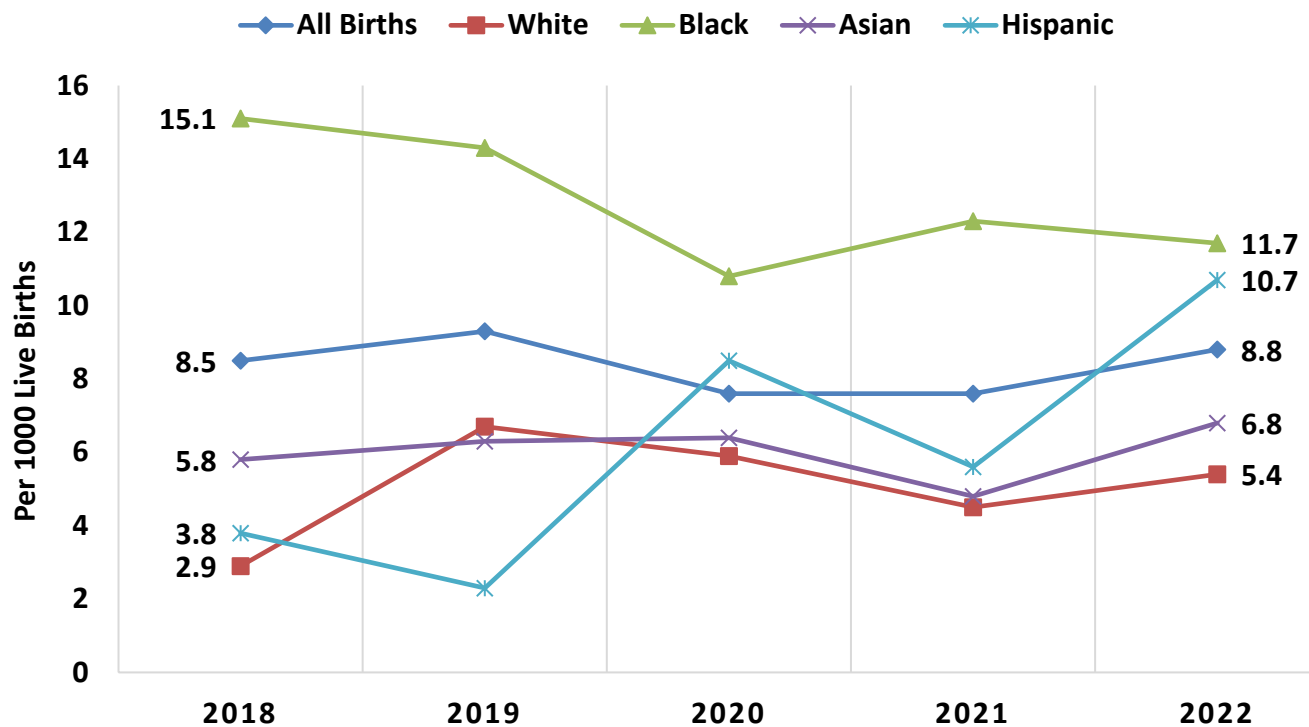


Source: County Health Databook; NC State Center for Health Statistics, National Center for Health Statistics.

## Differences in Infant Mortality

- The Guilford County infant mortality rate increased from 7.6 in 2021 to 8.8 deaths per 1,000 live births in 2022 primarily due to slight increases in the number of deaths among White, Hispanic and Asian babies.
- The Black/African American infant mortality rate for generally declined from 2018 to 2022 from 15.1 per 1,000 live births to 11.7 except for an increase in 2021.

## Infant Mortality Rate by Race and Ethnicity, 2018-2022



## Infant Deaths, Rate per 1,000 Live Births, by Race and Ethnicity Guilford County, 2018-2022

	2018	2018	2019	2019	2020	2020	2021	2021	2022	2022
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Guilford County All Races	52	8.5	56	9.3	45	7.6	44	7.6	52	8.8
White	7	2.9	16	6.7	14	5.9	9	4.5	11	5.4
African American	39	15.1	37	14.3	28	10.8	28	12.3	27	11.7
Asian	6	5.8	3	6.3	3	6.4	2	4.8	3	6.8
Hispanic	3	3.75	2	2.3	7	8.5	7	5.6	10	10.7

Number of Live Births	2018	2019	2020	2021	2022
Guilford County All Races	6,115	6,046	5,928	5,794	5,883
White	2,455	2,393	2,361	1,986	2,018
African American	2,591	2,593	2,600	2,283	2,298
Asian	1,037	480	466	420	440
Hispanic	800	872	822	900	931

Source: NC Birth Certificate file: NC Center for Health Statistics.



## Detailed Infant Causes of Death, 2022

ICD-10 Codes	Cause of Death	Number of Deaths
B348	Viral infection, site unspecified	1
G409	Epilepsy, unspecified	1
J159	Bacterial pneumonia, unspecified	1
J939	Pneumothorax, unspecified	1
<b>Conditions Originating in the Perinatal Period</b>		
P005	Newborn affected by maternal injury	1
P011	Newborn (suspected to be) affected by premature rupture of membranes	3
P021	Placental separation and hemorrhage	1
P027	Newborn (suspected to be) affected by chorioamnionitis	1
P072	Extreme prematurity of newborn	9
P073	Premature newborn	4
P209	Intrauterine hypoxia, unspecified	1
P220	Respiratory distress syndrome of newborn	3
P280	Primary atelectasis of newborn	1
P290	Neonatal cardiac failure	1
P368	Bacterial sepsis of newborn	1
P523	Unspecified intraventricular (nontraumatic) hemorrhage of fetus and newborn	1
P529	Intracranial (nontraumatic) hemorrhage of fetus and newborn	1
P614	Congenital anemia	1
P770	Necrotizing enterocolitis of fetus and newborn	1
P780	Perinatal intestinal perforation	2
P832	Hydrops fetalis not due to hemolytic disease	1
P916	Hypoxic ischemic encephalopathy	1
<b>Congenital Malformations and Chromosomal Abnormalities</b>		
Q234	Hypoplastic left heart syndrome	1
Q249	Congenital malformation of heart, unspecified	1
Q419	Congenital absence, atresia and stenosis of small intestine	1
Q605	Renal hypoplasia	1
Q790	Congenital diaphragmatic hernia	1
Q899	Congenital malformation, unspecified	1
<b>Ill-defined and Unknown Cause of Mortality</b>		
R95	Sudden Infant Death Syndrome (SIDS)	1
R99	Ill-defined and unspecified causes of mortality	4
<b>Other Causes</b>		
Y069	Neglect and abandonment	1
Y20	Suffocation, undetermined	1
Y839	Surgical procedure with abnormal reaction or later complication	1
<b>Total Infant Deaths</b>		<b>52</b>

Source: NC Mortality File, NC State Center for Health Statistics.

This report was prepared by the Health Surveillance and Analysis Unit of the Division of Public Health:

Mark H. Smith, Ph.D., Epidemiologist Consultant

Laura Mroska, MPH, MSW, Community Health Educator

For more information about Guilford County health statistics, visit

<https://www.guilfordcountync.gov/health-data-and-reports>