

| 2019 | Maternal and Child Health Data Brief



Key Findings from Data on Guilford County Pregnancies and Births:

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

- In 2017, teen pregnancy rates decreased to a new low of 22.5 pregnancies per 1,000 females ages 15-19, but significant racial and ethnic disparities remain.
- Hispanic and African-American mothers were less likely to receive timely prenatal care in 2017.
- The rate of preterm births increased slightly to 10.8% in 2017, with persistent racial disparities.
- The low birthweight rate for 2017 increased from 9.1% to 10.4%.
- 56.5% of new mothers were overweight or obese when their pregnancy began.
- 44.9% of new mothers were WIC recipients.
- 29.4% of births were delivered by Cesarean section.
- 45.8% of deliveries were paid with Medicaid compared to 46.0% with private insurance.
- 86.0% of mothers breastfed at discharge from hospital.
- The infant mortality rate increased from 8.3 deaths per 1,000 live births in 2016 to a rate of 9.8 in 2017.

Inside this Data Brief

	<u>Page</u>
Pregnancy	
Teen Pregnancies, Abortions, Fetal Deaths and Live Births	2
Prenatal Care	
Month Entering Prenatal Care, by Race and Ethnicity	3
Late or No Prenatal Care, by Race and Ethnicity	3
Preterm Births	
Completed Weeks of Gestation	4
Birthweight	
Low and Very Low Birthweight	5
Trends in MCH outcomes	6
Characteristics of Births by Race/Ethnicity	
Mother's Age	7
Mother's Educational Attainment	7
Mother's Marital Status	8
Mother's Pre-Pregnancy Body Mass Index (BMI)	8
Kotelchuck Prenatal Care Adequacy Index	8
Mother Smoking Before or During Pregnancy	9
Mother's WIC Status (Women, Infant and Children Food and Nutrition Services)	9
Infectious Diseases Present or Treated During Pregnancy	9
Route of Delivery	10
Form of Payment for Delivery	10
Infant Breastfed at Discharge	10
Other Characteristics, Risk Factors and Complications of Pregnancy and Delivery	11
Infant Mortality	
Infant Mortality, by Race/Ethnicity	12
Infant Mortality by City of Residence	12
Infant Mortality Trends	12
Detailed Infant Causes of Death	13

Teen Pregnancies, Abortions, Fetal Deaths and Live Births in Guilford County

Teen Pregnancies, Abortions, Fetal Deaths, Live Births and Rates per 1,000 Females by Age Group and by Race/Ethnicity, 2017

	All Races		White/ Caucasian		African- American		Asian/ Pacific Islander		Native American		Hispanic	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Pregnancies Ages 10-14	8	0.48	1	0.1	5	0.8	2	1.9	0	0	2	0.9
Pregnancies Ages 15-19	449	22.5	105	10.4	261	30.3	66	60.6	3	14.4	62	30.5
Total Pregnancies	7,996	28.9	2,842	18.0	3,694	36.0	1,251	85.6	48	21.4	957	45.8
Abortions Ages 10-14	2	0.1	1	0.1	1	0.15	0	0	0	0	0	0
Abortions Ages 15-19	132	6.6	30	0	79	9.2	7	6.4	2	9.6	10	4.9
Total Abortions	1,729	6.2	390	2.5	1,073	10.3	87	6.0	18	8.0	132	6.3
Fetal Deaths Ages 10-14	1	0.06	0	0	0	0	1	0.9	0	0	1	0.4
Fetal Deaths Ages 15-19	4	0.2	1	0.1	2	0.2	1	0.9	0	0	1	0.5
Total Fetal Deaths	49	0.2	9	0.1	31	0.3	6	0.4	0	0	8	0.4
Live Births Ages 10-14	5	0.3	0	0	4	0.6	1	0.9	0	0	1	0.4
Live Births Ages 15-19	313	15.7	74	7.3	180	20.9	58	53.2	1	4.8	51	25.1
Total Live Births	6,218	22.4	2,443	15.5	2,590	25.2	1,155	79.0	30	13.4	817	39.1
Females Ages 10-14	16,627		8,769		6,573		1,057		228		2,313	
Females Ages 15-19	19,984		10,073		8,613		1,090		208		2,033	
Female Ages 10-50	277,132		157,581		102,698		14,615		2,238		20,908	

Source: NC State Center for Health Statistics.

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

Prenatal Care

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, 2017

Month Entering Prenatal Care	Race Totals		White or Caucasian		Black or African-American		Native American		Asian		Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1	88	1.4	32	1.3	42	1.6	2	6.7	12	1.0	11	1.3
2	1,176	18.9	581	23.8	450	17.4	6	20.0	139	12.0	98	12.0
3	2,547	41.0	1,207	49.4	949	36.6	7	23.3	384	33.2	259	31.7
4	983	15.8	285	11.7	434	16.8	4	13.3	260	22.5	185	22.6
5	551	8.9	131	5.4	263	10.2	6	20.0	151	13.1	122	14.9
6	313	5.0	66	2.7	163	6.3	0	0	84	7.3	47	5.8
7	187	3.0	57	2.3	82	3.2	1	3.3	47	4.1	38	4.6
8	155	2.5	30	1.2	85	3.3	0	0	40	3.5	29	3.5
9	101	1.6	24	1.0	51	2.0	3	10.0	23	2.0	16	2.0
No Prenatal Care	69	1.1	24	1.0	38	1.5	0	0	7	0.6	7	0.8
Unknown	48	.8	6	0.2	33	1.3	1	3.3	8	0.7	5	0.6
Total Births	6,218	100.0	2,443	100.0	2,590	100.0	30	100.0	1,155	100.0	817	100.0

Source: NC State Center for Health Statistics. Note: Hispanics can be of any race

Percentage of Births to Mothers Receiving Late or No Prenatal Care, by Race and Hispanic Status, 2011-2017

	2011	2012	2013	2014	2015	2016	2017
Overall	24.2%	23.7%	34.8%	40.3%	38.5%	37.6%	37.9%
White	12.6%	12.7%	19.3%	24.2%	26.0%	23.8%	25.3%
African-American	30.0%	30.2%	42.6%	49.9%	45.9%	45.5%	43.1%
Hispanic	43.6%	38.7%	55.4%	57.5%	54.4%	51.7%	54.3%

Note: Late prenatal care is defined as prenatal care that begins after the first three months of pregnancy.

Source: NC State Center for Health Statistics.

Preterm Births

Completed Weeks of Gestation, All Births, Guilford County, 2012-2017

Gestational Age Category	2013		2014		2015		2016		2017	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<28 weeks (Extremely preterm)	70	1.1	61	1.0	59	1.0	57	0.9	74	1.2
28 to 31 weeks (Very preterm)	60	1.0	83	1.4	70	1.1	58	0.9	63	1.0
32 to 36 weeks (Late preterm)	576	9.3	494	8.1	521	8.5	553	8.8	536	8.6
37 weeks plus (Normal term)	5,451	88.4	5,442	89.5	5,435	89.2	5,585	89.2	5,542	89.1
Unknown	12	0.2	5	0.1	10	0.2	5	0.1	3	0.0
Premature Births Less than 37 Weeks Gestation	706	10.0	638	10.5	650	10.7	668	10.7	673	10.8
Total	6,169		6,085		6,095		6,258		6,218	

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, 2017

Gestational Age Category	White		Black		Native American		Asian		Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<28 weeks (Extremely preterm)	17	0.7	49	1.9	0	0	8	0.7	8	1.0
28 to 31 weeks (Very preterm)	18	0.7	41	1.6	0	0	4	0.3	4	0.5
32 to 36 weeks (Late preterm)	182	7.4	256	9.9	3	10.0	95	8.2	68	8.3
37 weeks plus (Normal term)	2,226	91.1	2,242	86.6	27	90.0	1,047	90.6	736	90.1
Unknown	0	0	2	0.1	0	0	1	0.1	1	0.1
Premature Births Less than 37 Weeks Gestation	217	8.9	346	13.3	3	10.0	107	9.3	80	9.8
Total Number	2,443		2,590		30		1,155		817	

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

Note: Percentages represent the obstetric estimate of gestational age.

Birthweight

Number and Percentage of Births by Birthweight Category Guilford County, 2008-2017

Birthweight	2008		2009		2010		2011		2012		2013		2014		2015		2016		2017	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Under 1,500 grams	122	1.9	146	2.4	111	1.8	143	2.4	107	1.7	118	1.9	131	2.2	134	2.2	105	1.7	131	2.1
1,500-2,499 grams	473	7.4	446	7.3	453	7.5	451	7.5	466	7.6	461	7.5	462	7.6	482	7.9	466	7.4	516	8.3
2,500+ grams	5,786	90.7	5,558	90.4	5,439	90.6	5,455	90.2	5,588	90.7	5,590	90.6	5,489	90.2	5,479	89.9	5,686	90.9	5,569	89.6
Under 2,500 Grams	595	9.3	592	9.6	564	9.4	594	9.8	573	9.3	579	9.4	593	9.9	616	10.1	571	9.1	647	10.4
Total Births	6,381		6,150		6,003		6,049		6,164		6,169		6,085		6,095		6,258		6,218	

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 Guilford County and North Carolina, 2013-2017

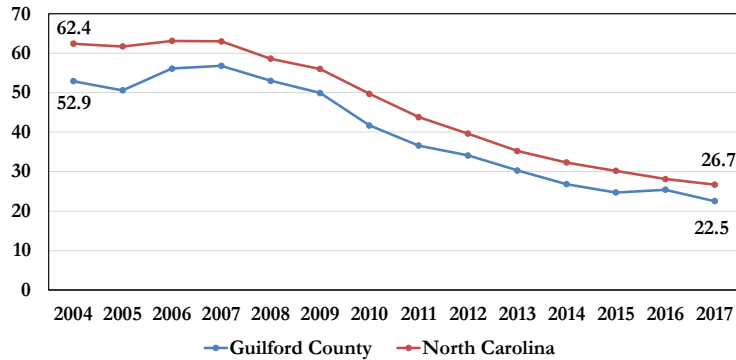
Birthweight		Total		White, Non-Hispanic		Black, Non-Hispanic		Hispanic	
		Births	Percent	Births	Percent	Births	Percent	Births	Percent
North Carolina	Low	54,903	9.1	24,024	7.5	20,224	14.1%	6,381	7.1%
	Very Low	10,348	1.7	4,092	1.2	4,640	3.2%	1,148	1.3%
Guilford County	Low	3,018	9.8	852	7.2%	1,663	13.4%	290	7.3%
	Very Low	601	2.0	159	1.3%	379	2.9%	57	1.4

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

Trends in Maternal and Child Health Outcomes

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

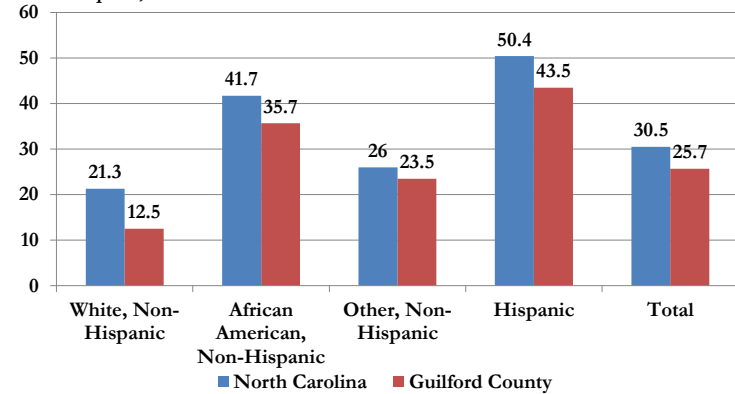
Rate per 1,000 Females Ages 15-19



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

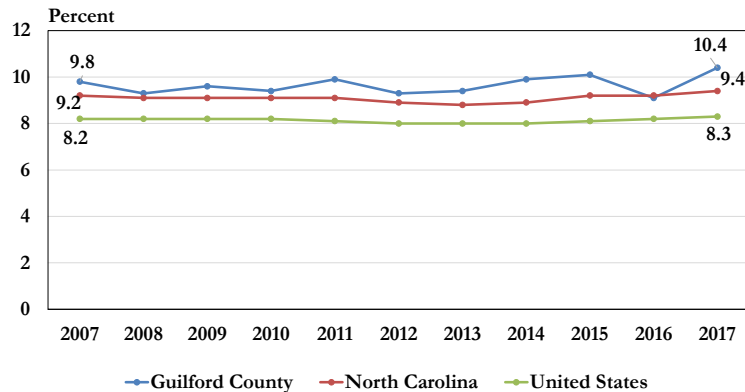
Teen Pregnancy Rates among Females Ages 15-19, Guilford County and North Carolina by Race and Ethnicity, 2013-2017

Rate per 1,000 live births



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

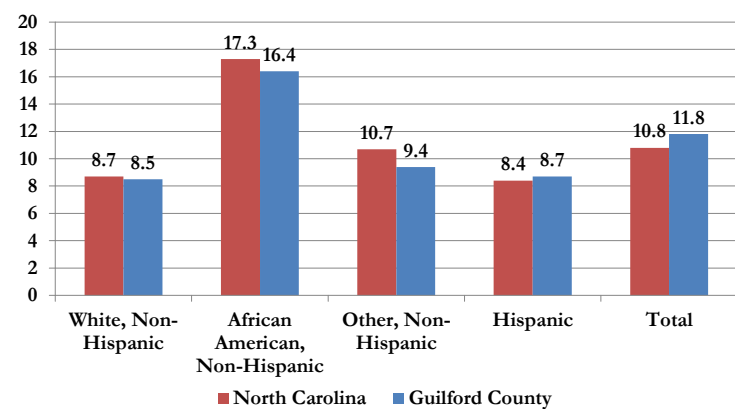
Percent of Births Low Birthweight, Guilford County, North Carolina and United States, 2007-2017



Note: *Less than 2,500 grams (about 5 ½ pounds).
Source: Data provided by the NC Center for Health Statistics.
Chart prepared by the GCDHHS, Division of Public Health.

Percentage of Low Birthweight, Guilford County and North Carolina by Race and Ethnicity, 2013-2017

Percent



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

Characteristics of Guilford County Births, by Race and Ethnicity, 2017

Source: Data are from the NC Birth Certificate File, provided by the North Carolina State Center for Health Statistics.

Mother's Age By Race/Ethnicity

Category	Guilford		White		Black		Native American		Asian		Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Ages 13-14	5	0.1	0	0.0	4	0.2	0	0.0	1	0.1	1	0.1
Ages 15-17	91	1.5	19	0.8	49	1.9	0	0.0	23	2.0	20	2.4
Ages 18-19	222	3.6	55	2.3	131	5.1	1	3.3	35	3.0	31	3.8
Ages 20-24	1,313	21.1	331	13.5	739	28.5	9	30.0	234	33.6	195	23.9
Ages 25-29	1,884	30.3	782	32.0	757	29.2	9	30.0	336	29.1	232	28.4
Ages 30-34	1,685	27.1	812	33.2	540	20.8	8	26.7	325	28.1	213	26.1
Ages 35-39	825	13.3	368	15.1	304	11.7	3	10.0	150	13.0	101	12.4
Ages 40-44	180	2.9	70	2.9	65	2.5	0	0.0	45	3.9	22	2.7
Ages 45-49	11	0.2	5	0.2	1	0.0	0	0.0	5	0.4	2	0.2
Ages 50-54	2	0.0	1	0.0	0	0.0	0	0.0	1	0.1	0	0.0
Total	6,218	100%	2,443	100%	2,590	100%	30	100%	1,155	100%	817	100%

Mother's Educational Attainment By Race/Ethnicity

Category	Guilford		White		Black		Native American		Asian		Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
8 th Grade or Less	238	3.8	25	1.0	36	1.4%	1	3.3	176	15.2	125	15.3
High School/no diploma	633	10.2	132	5.4	264	10.2	2	6.7	235	20.3	189	23.1
High School Grad /GED	1,470	23.6	411	16.8	748	28.9	9	30	302	26.1	238	29.1
Some College/no degree	1,383	22.2	489	20.0	753	29.1	8	26.7	133	11.5	134	16.4
Associate Degree	490	7.9	220	9.0	221	8.5	4	13.3	45	3.9	30	3.7
Bachelor's Degree	1,334	21.5	763	31.2	417	16.1	4	13.3	150	13.0	71	8.7
Masters Degree	546	8.8	321	13.1	130	5.0	2	6.7	93	8.1	23	2.8
Doctoral or Professional	121	1.9	82	3.4	20	0.8	0	0.0	19	1.6	7	0.9
Missing/Unknown	3	0.0	0	0.0	1	0.0	0	0.0	2	0.2	0	0.0
Total	6,218	100%	2,443	100%	2,590	100%	30	100%	1,155	100%	817	100%

**Mother's Marital Status
By Race/Ethnicity**

Category	Guilford		White		Black		Native American		Asian		Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Married	3,260	54.2	1,777	72.7	753	29.1	16	53.3	714	61.8	378	46.3
Unmarried	2,956	47.5	665	27.2	1,837	70.9	14	46.7	440	38.	439	53.7
Unknown	2	0.0	1	0.0	0	0.0	0	0.0	1	0.1	0	0.0
Total	6,218	100%	2,443	100%	2,590	100%	30	100%	1,115	100%	817	100%

**Mother's Pre-Pregnancy Body Mass Index (BMI)
By Race/Ethnicity**

Category	Guilford		White		Black		Native American		Asian		Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Underweight (less than 18.5)	200	3.2	84	3.4	70	2.7	1	3.3	45	3.9	14	1.7
Normal Weight (18.5-24.9)	2,256	36.3	1,043	42.7	731	28.2	8	26.7	474	41.0	266	32.6
Overweight (25.0-29.9)	1,705	27.4	674	27.6	658	25.4	7	23.3	366	31.7	304	37.2
Obese (30.0+)	1,808	29.1	583	23.9	983	38.0	13	43.3	229	19.8	209	25.6
Unknown	249	4.0	59	2.4	148	5.7	1	3.3	41	3.5	24	2.9
Total	6,218	100%	2,443	100%	2,590	100%	30	100%	1,155	100%	817	100%

**Kotelchuck Prenatal Care Adequacy Index
By Race/Ethnicity**

Category	Guilford		White		Black		Native American		Asian		Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Inadequate	1,414	22.7	338	13.8	701	27.1	10	33.3	365	31.6	267	32.7
Intermediate	161	2.6	44	1.8	65	2.5	2	6.7	50	4.3	36	4.4
Adequate	802	12.9	261	10.7	348	13.4	2	6.7	191	16.5	143	17.5
Adequate Plus	3,767	60.6	1,788	73.2	1,429	55.2	15	50.5	535	46.3	359	43.9
Missing Information	74	1.2	12	0.5	47	1.8	1	3.3	14	1.2	12	1.5
Total	6,218	100%	2,443	100%	2,590	100%	30	100%	1,155	100%	817	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/Ethnicity**

Category	Guilford		White		Black		Native American		Asian		Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Before Pregnancy	445	7.2	223	9.1	198	7.6	5	16.7	19	1.6	29	3.5
During 1 st Trimester	293	4.7	157	6.4	121	4.7	5	16.7	10	0.9	13	1.6
During 2 nd Trimester	253	4.1	141	5.8	99	3.8	5	16.7	8	0.7	11	1.3
During 3 rd Trimester	235	3.8	126	5.2	96	3.7	6	20.0	7	0.6	11	1.3

**Mother has WIC (Women, Infant and Children Food and Nutrition Services)
By Race/Ethnicity**

Category	Guilford		White		Black		Native American		Asian		Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Mother has WIC	2,789	44.9	553	22.6	1,537	59.3	15	50	684	59.2	529	64.7
No WIC	3,425	55.1	1,890	77.4	1,050	40.5	15	50	470	40.7	288	35.3
Unknown/Missing	4	0.1	0	0.0	3	0.1	0	0.0	1	0.1	0	0.0
Total	6,218	100%	2,443	100%	2,590	100%	30	100%	1,155	100%	817	100%

**Infectious Diseases Present and/or Treated During Pregnancy
By Race/Ethnicity**

Category	Guilford		White		Black		Native American		Asian		Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Gonorrhea	35	0.6	3	0.1	31	1.2	0	0.0	1	0.1	1	0.1
Chlamydia	104	1.7	10	0.4	83	3.2	0	0.0	10	0.9	10	1.2
Syphilis	5	0.1	0	0.0	5	0.2	0	0.0	0	0.1	0	0.0
Hepatitis C	7	0.1	7	0.3	0	0.0	1	3.3	0	0.0	0	0.0
Hepatitis B	16	0.3	0	0.0	8	0.3	0	0.0	8	0.7	0	0.0

**Route of Delivery
By Race/Ethnicity**

Category	Guilford		White		Black		Native American		Asian		Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Spontaneous	4,150	66.7	1,597	65.4	1,733	66.9	17	56.7	803	69.5	585	71.6
Forceps	17	0.3	8	0.3	5	0.2	0	0.0	4	0.3	2	0.2
Vacuum	222	3.6	98	4.0	83	3.2	1	3.3	40	3.5	10	1.2
Cesarean	1,828	29.4	739	30.2	769	29.7	12	40	308	28.6	220	26.9
Unknown/Missing	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total	6,218	100%	2,443	100%	2,590	100%	30	100%	1,155	100%	817	100%

**Form of Payment for Delivery Expenses
By Race/Ethnicity**

Category	Guilford		White		Black		Native American		Asian		Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Medicaid	2,846	45.8	676	27.7	1,654	63.9	18	60.0%	498	43.1	333	40.8
Private Insurance	2,796	46.0	1,654	67.7	797	30.8	11	36.7	333	28.6	164	20.1
Self-Pay	539	8.7	94	3.8	121	4.7	1	3.3	323	28.0	317	38.8
Other	35	0.6%	16	0.7	18	0.7	0	0.0	1	0.1	3	0.4
Unknown/Missing	3	0.3	3	0.1	0	0.0	0	0.0	0	0.0	0	0.0
Total	6,218	100%	2,443	100%	2,590	100%	30	100%	1,155	100%	817	100%

**Infant being Breastfed at Discharge
By Race/Ethnicity**

Category	Guilford		White		Black		Native American		Asian		Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Breastfed at Discharge	5,348	86.0	2,177	89.1	2,090	80.7	23	76.7%	1,058	91.6	746	91.6
Not Breastfed	866	13.9	265	10.8	499	19.3	7	23.3	95	8.2	68	8.3
Unknown/Missing	4	0.1	1	0.0	1	0.0	0	0.0	2	0.2	1	0.1
Total	6,218	100%	2,443	100%	2,590	100%	30	100%	1,155	100%	817	100%

**Other Characteristics, Risk Factors and Complications of Pregnancy and Delivery
By Race/Ethnicity**

Category	Guilford		White		Black		Native American		Asian		Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Pre-Pregnancy Diabetes	54	0.9	11	0.5	33	1.3	0	0.0	10	0.9	7	0.9
Gestational Diabetes	248	4.0	69	2.8	105	4.1	2	6.7	72	6.2	46	5.6
Pre-Pregnancy Hypertension	122	2.0	27	1.1	83	3.2	1	3.3	11	1.0	9	1.1
Gestational Hypertension	350	5.6	127	5.2	187	7.2	3	10.0	33	2.9	31	3.8
Hypertension Eclampsia	5	0.1	0	0.0	4	0.2	0	0.0	1	0.1	1	0.1
Previous Preterm Birth	451	7.3	129	5.3	249	9.6	4	13.3	69	6.0	58	7.1
Other Previous Poor Outcome*	175	2.8	41	1.7	105	4.1	1	3.3	28	2.4	19	2.3
Received Intertility Treatment	16	0.3	10	0.4	5	0.2	0	0.0	1	0.1	2	0.2
Previous Cesarean Delivery	942	15.1	345	14.1	416	16.1	7	23.3	174	15.1	146	17.9
Admission to NICU	493	7.9	148	6.1	266	10.3	1	3.3	78	6.8	54	6.6

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

Infant Mortality in Guilford County

Infant Deaths, Rate per 1,000 Live Births, by Race and Ethnicity Guilford County, 2013-2017

	2013		2014		2015		2016		2017	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Guilford County All Races	53	8.6	48	7.9	46	7.5	52	8.3	61	9.8
White	20	8.0	9	3.8	16	6.4	9	3.5	17	7.0
African Americans	32	12.7	33	13.6	23	9.3	37	14.5	35	13.5
Asian	NA	NA	NA	NA	NA	NA	NA	NA	8	6.9*
Hispanic	3	3.7	4	5.2	5	6.5	5	6.0	9	11.0*
Live Births										
Guilford County All Races	6,169		6,085		6,095		6,258		6,218	
White	2,503		2,370		2,508		2,542		2,443	
African American	2,519		2,434		2,479		2,554		2,590	
Asian	NA		NA		NA		NA		1,155	
Hispanic	804		774		766		834		717	

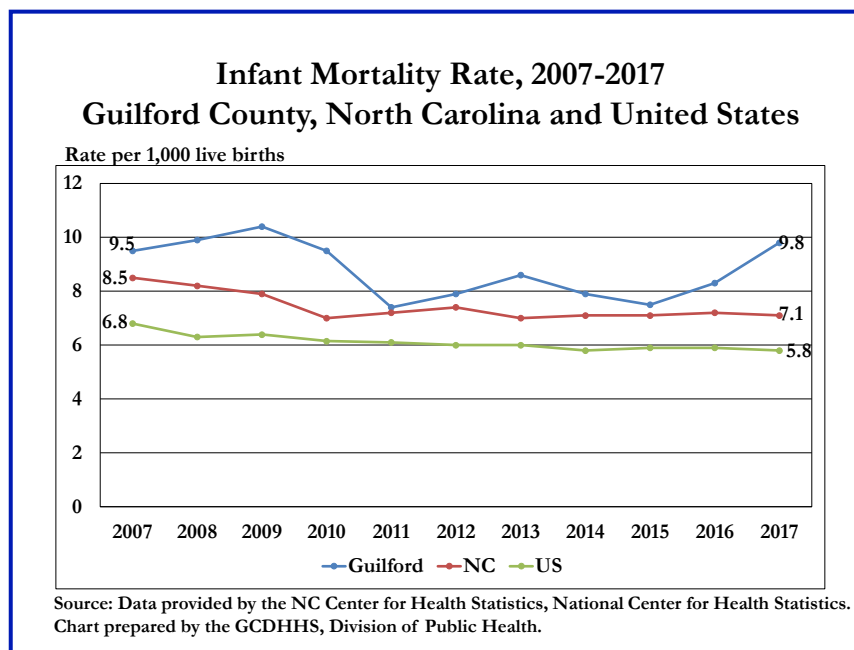
Source: NC Live Birth File: NC Center for Health Statistics.

*Infant mortality rates based on small numbers—less than 10— should be interpreted with caution.

Infant Deaths, Rate per 1,000 Live Births, by City of Residence, 2017

Geographic Area	Live Births	Infant Deaths	Mortality Rate
Greensboro	3,850	35	9.1
High Point	1,238	14	11.3
Other Area	1,130	12	10.6
Guilford County	6,218	61	9.8

Source: NC Live Birth File: NC Center for Health Statistics.



Detailed Infant Causes of Death, 2017

ICD-10 Codes	Cause of Death	Number of Deaths
A090	Gastroenteritis and colitis of infectious origin	1
A749	Chlamydial infection	1
B348	Viral infection of unspecified site	1
E711	Disorder of branched-chain amino-acid metabolism	1
G959	Disease of spinal cord	1
Disorders Originating in the Perinatal Period		
P01.0	Newborn (suspected to be) affected by incompetent cervix	4
P01.1	Newborn (suspected to be) affected by premature rupture of membranes	1
P059	Newborn affected by slow intrauterine growth	1
P072	Extreme immaturity of newborn	3
P073	Prematurity of newborn	7
P220	Respiratory distress of the newborn	2
P229	Respiratory distress of newborn, unspecified	1
P240	Neonatal aspiration of meconium	1
P293	Problem of fetal circulation	1
P351	Congenital cytomegalovirus infection	1
P363	Sepsis of newborn due to staphylococci infection	1
P364	Sepsis of newborn due to Escherichia coli	1
P369	Bacterial sepsis of newborn, unspecified	6
P523	Intraventricular (nontraumatic) hemorrhage of fetus and newborn	1
P780	Perinatal intestinal perforation	1
P916	Hypoxic ischemic encephalopathy of newborn	1
Congenital Malformations and Chromosomal Abnormalities		
Q040	Congenital malformations of corpus callosum	1
Q042	Holoprosencephaly	1
Q248	Congenital malformation of heart	1
Q249	Congenital malformation of heart, unspecified	1
Q336	Hypoplasia and dysplasia of lung	5
Q423	Congenital absence, atresia and stenosis of anus without fistula	1
Q913	Edwards syndrome (chromosomal abnormality)	2
Q928	Trisomies and partial trisomies of autosomes (chromosomal abnormality)	1
Ill-defined and Unknown Cause of Mortality		
R99	Other ill-defined and unspecified causes of mortality	6
W75	Accidental suffocation and strangulation in bed	1
Y20	Hanging, strangulation and suffocation, undetermined intent	2
Other Causes of Infant Death		
V877	Motor vehicle collision injury	1
Total Infant Deaths		61

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

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

Mark H. Smith, Ph.D, Epidemiologist

Laura Mroska, MPH, MSW, Community Health Educator

For more information about Guilford County health statistics, visit

<https://www.guilfordcountync.gov/our-county/human-services/health-department/health-statistics>