

# | 2016 | Leading Causes of Death Data Brief |



## Highlights

- The leading cause of death in the United States is heart disease, but cancer has been the leading cause of death in Guilford County since 2008.
- Over half of all deaths in the county are due to chronic diseases, including cancer, heart disease, stroke, Alzheimer's disease, chronic lower respiratory disease and diabetes.
- In 2014, the leading causes of death among children and young adults were motor vehicle crashes and other unintentional injuries.
- African-Americans had higher age-adjusted mortality rates than Whites for heart disease, cancer, stroke, diabetes, septicemia, kidney disease, homicide and HIV infection.
- Whites had higher age-adjusted mortality rates than African-Americans for chronic lower respiratory disease, non-motor vehicle-related unintentional injuries and suicide.
- Men had higher mortality rates than women for many conditions, including heart disease, cancer, diabetes, motor vehicle and other unintentional injuries.
- Women had higher mortality rates than men for stroke and Alzheimer's disease.

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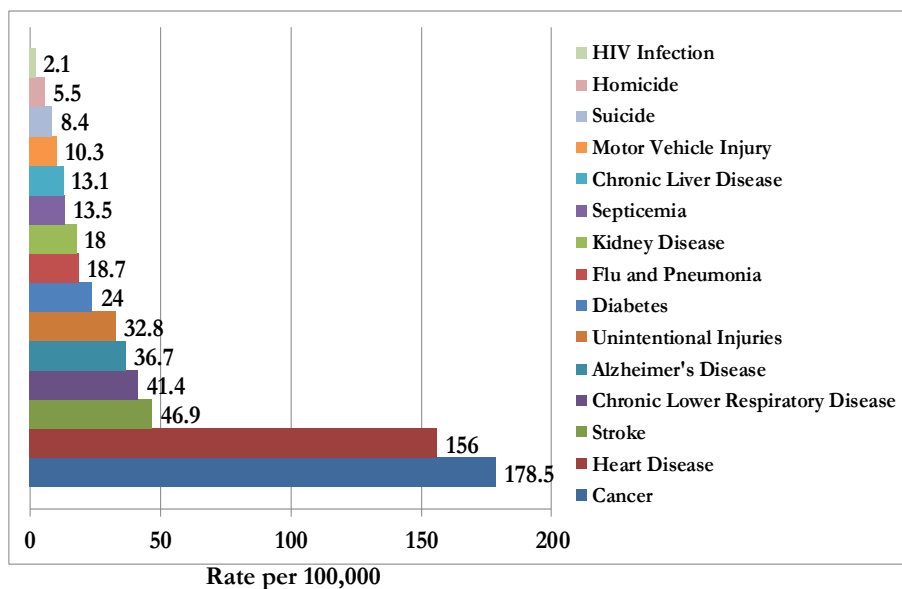
## Leading Causes of Death, Unadjusted Mortality Rates, All Residents Guilford County, NC, 2014

Cause of Death	Number of Deaths	Rate per 100,000
Cause of Death	# of Deaths	Rate per 100,000*
1. Cancer (all types)	914	178.5
2. Diseases of the Heart	799	156.0
3. Stroke	240	46.9
4. Unintentional Injury Deaths	221	41.6
Non-Motor Vehicle Injuries	168	32.8
Motor Vehicle-related Injuries	53	10.3
5. Chronic Lower Respiratory Disease	212	41.4
6. Alzheimer's Disease	188	36.7
7. Diabetes	123	24.0
8. Pneumonia and Influenza	96	18.7
9. Nephritis, Kidney disease	92	18.0
10. Septicemia	69	13.5
11. Chronic Liver Disease and Cirrhosis	67	13.1
12. Suicide	43	8.4
13. Homicide	28	5.5
14. HIV Infection	11	2.1
All Other Remaining Causes	1,161	226.7
<b>Total Deaths—All Causes</b>	<b>4,193</b>	<b>818.8</b>

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

Total Number of Deaths in Guilford County	4,193
Guilford County Population in 2014	512,119
Overall Mortality Rate (Not age-adjusted)	818.8 per 100,000

### Leading Causes of Death, Guilford County, 2014



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

## Leading Causes of Death, Black/African-American Race Guilford County, NC, 2014

Cause of Death	Number of Deaths	Rate per 100,000
Cancer	234	130.5
Diseases of the Heart	233	129.9
Cerebrovascular Disease	63	35.1
Unintentional Injuries	51	28.4
Motor Vehicle Injuries	17	9.5
Non-Motor-Vehicle Injuries	34	19.0
Diabetes Mellitus	43	24.0
Nephritis, Other Chronic Kidney Disease	38	21.2
Alzheimer's Disease	38	21.2
Chronic Lower Respiratory Disease	29	16.2
Pneumonia and Influenza	22	12.3
Septicemia	17	9.5
Homicide	21	11.7
Chronic Liver Disease and Cirrhosis	11	6.1
HIV Infection	11	6.1
Suicide	8	4.5

Source: NC Mortality File, Center for Health Statistics.

Total Number of Deaths among Blacks/African Americans	1,149
Black/ African American Guilford County Population in 2014	179,332
Black/ African American Mortality Rate (Not age-adjusted)	640.7 per 100,000

## Leading Causes of Death, White Race Guilford County, NC, 2014

Cause of Death	Number of Deaths	Rate per 100,000
Cancer	654	215.3
Diseases of the Heart	550	181.1
Chronic Lower Respiratory Disease	182	59.9
Cerebrovascular Disease	170	56.0
Unintentional Injuries	156	51.4
Motor Vehicle Injuries	29	9.5
Other Injuries	127	41.8
Alzheimer's Disease	147	48.4
Pneumonia and Influenza	73	24.0
Diabetes Mellitus	80	26.3
Chronic Liver Disease/Cirrhosis	54	17.8
Septicemia	51	16.8
Nephritis, Other Chronic Kidney Diseases	50	16.5
Suicide	34	11.2
Homicide	5	1.6

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

Total Number of Deaths among Whites	2,940
White Guilford County Population in 2014	303,718
White Mortality Rate (Not Age-adjusted)	968.0.4 per 100,000

## Leading Causes of Death for Men Guilford County, NC, 2014

Cause of Death	Number of Deaths	Rate per 100,000
Cancer	486	199.6
Diseases of the Heart	427	175.4
Unintentional Injuries	128	52.6
Motor Vehicle Injuries	45	18.5
All Other Unintentional Injuries	83	34.1
Chronic Lower Respiratory Disease	99	40.7
Cerebrovascular Disease (Stroke)	96	39.4
Diabetes Mellitus	56	23.0
Pneumonia and Influenza	53	21.8
Alzheimer's Disease	52	21.4
Nephritis, Other Chronic Kidney Diseases	46	18.9
Septicemia	37	15.2
Chronic Liver Disease and Cirrhosis	35	14.4
Suicide	32	13.1
Homicide	20	8.2
HIV Infection	5	2.0

Source: NC Mortality File, Center for Health Statistics.

Total Number of Deaths for Men	2,059
Male Guilford County Population in 2014	243,484
Male Mortality Rate (Not age-adjusted)	845.6 per 100,000

## Leading Causes of Death for Women Guilford County, NC, 2014

Cause of Death	Number of Deaths	Rate per 100,000
Cancer	428	159.3
Diseases of the Heart	372	138.5
Cerebrovascular Disease (Stroke)	144	53.6
Alzheimer's Disease	136	50.6
Chronic Lower Respiratory Disease	113	42.1
Unintentional Injuries	90	33.5
Motor Vehicle Injuries	8	3.0
All Other Unintentional Injuries	85	31.6
Diabetes Mellitus	67	24.9
Nephritis, Other Chronic Kidney Diseases	46	17.1
Pneumonia and Influenza	43	16.0
Septicemia	32	11.9
Chronic Liver Disease and Cirrhosis	32	11.9
Suicide	11	4.1
Homicide	8	3.0
HIV Infection	6	2.2

Source: NC Mortality File, Center for Health Statistics.

Total Number of Deaths for Women	2,133
Female Guilford County Population in 2014	268,635
Female Mortality Rate (Not age-adjusted)	794.0 per 100,000

## Detailed Causes of Death for Infants, Birth through Age One Guilford County, 2014

ICD-10 Codes	Cause of Death	Number of Deaths
I35.0	<u>Nonrheumatic aortic (valve) stenosis</u>	1
J984	<u>Other disorders of lung</u>	1
K566	<u>Unspecified intestinal obstruction</u>	1
P01.0 P01.1 P05.9	<u>Maternal complications of pregnancy</u> Newborn (suspected to be) affected by incompetent cervix Newborn (suspected to be) affected by premature rupture of membranes Newborn affected by slow intrauterine growth, unspecified	1 2 1
P07.2 P07.3	<u>Disorders related to short gestation and low birth weight</u> Extreme immaturity of newborn Preterm (premature) newborn (other)	8 3
Q04.2 Q79.0 Q89.9 Q91.3	<u>Congenital malformations, deformations and chromosomal abnormalities</u> Holoprosencephaly Congenital diaphragmatic hernia Congenital malformation, unspecified Trisomy 18, unspecified	1 1 1 1
P22.0 P22.9 P25.1 P26.9 P28.0 P29.3	<u>Respiratory and cardiovascular disorders originating in the perinatal period</u> Respiratory distress syndrome of newborn Respiratory distress of newborn, unspecified Pneumothorax originating in the perinatal period Unspecified pulmonary hemorrhage originating in the perinatal period Primary atelectasis of newborn Persistent fetal circulation	1 1 1 1 2 1
P52.3 P54.8 P60.0 P77.0 P91.6	<u>Hemorrhagic and hematological disorders of newborn</u> Unspecified intraventricular (nontraumatic) hemorrhage of newborn Other specified neonatal hemorrhages Disseminated intravascular coagulation of newborn Necrotizing enterocolitis of newborn Hypoxic ischemic encephalopathy	2 1 1 1 1
R95 R99	Sudden Infant Death Syndrome Ill-defined and unknown cause of mortality	1 10
P02.1 P02.7	<u>Complications of placenta, cords and membranes</u> Newborn (suspected to be) affected by other forms of placental separation and hemorrhage Newborn (suspected to be) affected by chorioamnionitis	1 1
	<u>Total Infant Deaths</u>	48

### Leading Causes of Death, Ages 1-19

## Guilford County, NC, 2014

Cause of Death	Number of Deaths	Rate per 100,000
Unintentional Injuries/Accidents	8	6.3
Motor Vehicle Injuries	5	3.9
All Other Injuries	3	2.4
Suicide	4	3.1
Acute Respiratory Distress Syndrome	2	1.6
Epilepsy	2	1.6
Diseases of the Heart	1	0.8
Homicide	1	0.8
Cancer	1	0.8

Source: NC Mortality File, Center for Health Statistics.

Total Number of Deaths ages 1-19: 24

Age 1-19 Guilford County Population in 2014: 127,511

Age 1-19 Mortality Rate (Not age-adjusted): 18.9 per 100,000

## Leading Causes of Death, Ages 20-39 Guilford County, NC, 2014

Cause of Death	Number of Deaths	Rate per 100,000
Unintentional Injuries/Accidents	47	33.4
Motor Vehicle Injuries	13	9.2
All Other Injuries	34	24.2
Suicide	16	11.4
Diseases of the Heart	14	10.0
Homicide	15	10.7
Cancer	12	8.5
Cerebrovascular Disease (Stroke)	4	2.8
Nephritis, Other Chronic Kidney Diseases	4	2.8
Diabetes Mellitus	4	2.8
Septicemia	2	1.4
Pneumonia and Influenza	3	2.1
Chronic Liver Disease and Cirrhosis	3	2.1
HIV Disease	1	0.7

Source: NC Mortality File, Center for Health Statistics.

Total Number of Deaths ages 20-39

152

Age 20-44 Guilford County Population in 2014

140,646

Age 20-44 Mortality Rate (Not age-adjusted)

108.1 per 100,000

## Leading Causes of Death, Ages 40-59 Guilford County, NC, 2014

Cause of Death	Number of Deaths	Rate per 100,000
Cancer	170	123.0
Diseases of the Heart	111	80.3
Unintentional Injuries/Accidents		41.9
Motor Vehicle Injuries	22	15.9
All Other Injuries	36	26.0
Cerebrovascular Disease (Stroke)	30	21.7
Chronic Liver Disease and Cirrhosis	24	17.4
Chronic Lower Respiratory Disease	20	14.5
Diabetes Mellitus	17	12.3
Suicide	17	12.3
Nephritis, Other Chronic Kidney Diseases	13	9.4
Pneumonia and Influenza	10	7.2
Septicemia	8	5.8
Homicide	8	5.8
HIV Disease	7	5.1

Source: NC Mortality File, Center for Health Statistics.

Total Number of Deaths ages 40-59	616
Age 45-64 Guilford County Population in 2014	138,265
Age 45-64 Mortality Rate (Not age-adjusted)	445.5 per 100,000

## Leading Causes of Death, Ages 60-79 Guilford County, NC, 2014

Cause of Death	Number of Deaths	Rate per 100,000
Cancer	461	566.5
Diseases of the Heart	285	350.2
Chronic Lower Respiratory Disease	108	132.7
Cerebrovascular Disease (Stroke)	84	103.2
Nephritis, Other Chronic Kidney Diseases	39	47.9
Chronic Liver Disease and Cirrhosis	32	39.3
Unintentional Injuries/Accidents	32	39.3
Motor Vehicle Injuries	9	11.1
All Other Injuries	23	28.3
Septicemia	27	33.2
Alzheimer's Disease	25	30.7
Diabetes Mellitus	22	27.0
Pneumonia and Influenza	19	23.3
Homicide	4	4.9
Suicide	3	3.7

Source: NC Mortality File, Center for Health Statistics.

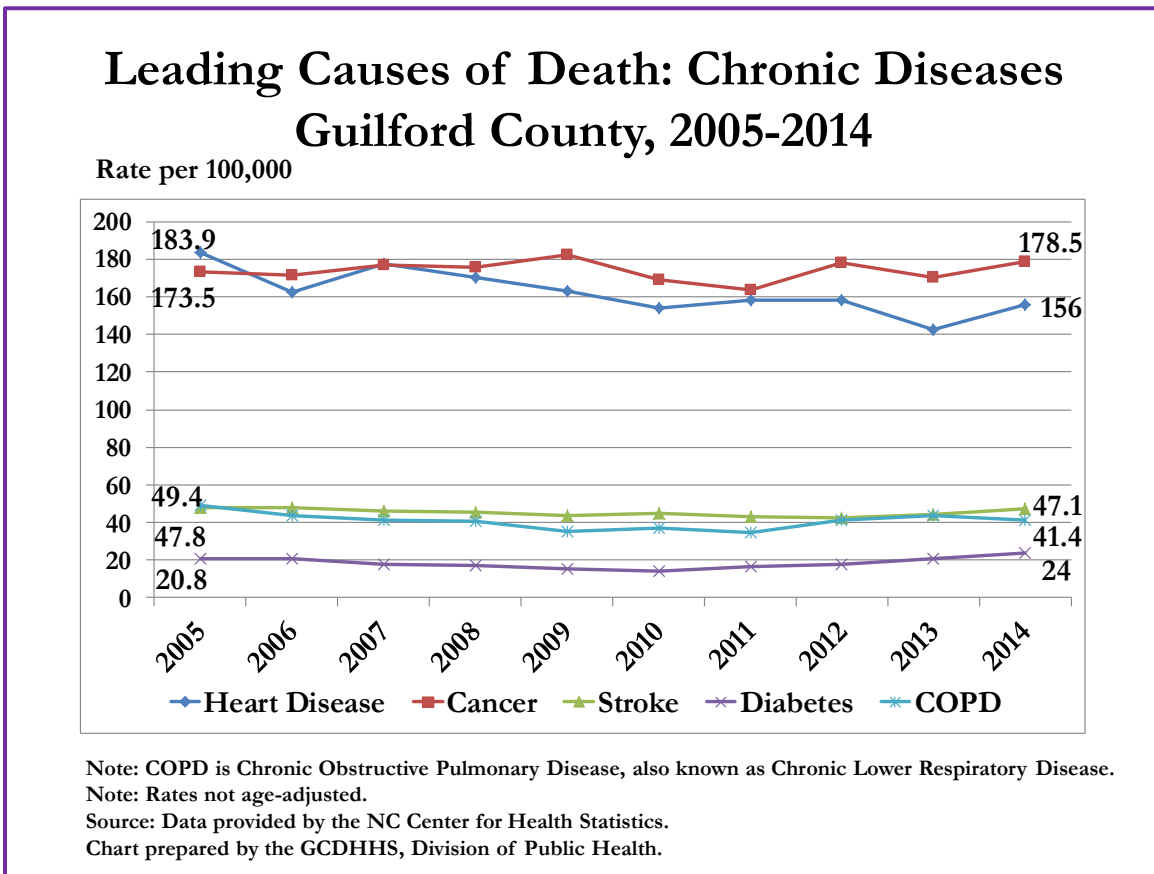
Total Number of Deaths ages 60-79	1,494
Age 65-84 Guilford County Population in 2014	81,373
Age 65-84 Mortality Rate (Not age-adjusted)	1,839 per 100,000

## Leading Causes of Death, Ages 80 and Older Guilford County, NC, 2014

Cause of Death	Number of Deaths	Rate per 100,000
Diseases of the Heart	387	2121.8
Cancer	270	1480.3
Alzheimer's Disease	162	888.2
Cerebrovascular Disease (Stroke)	122	668.9
Chronic Lower Respiratory Disease	84	460.6
Unintentional Injuries/Accidents	76	416.7
Motor Vehicle Injuries	4	21.9
All Other Unintentional Injuries	72	394.8
Pneumonia and Influenza	64	350.9
Nephritis, Other Chronic Kidney Diseases	36	197.4
Septicemia	32	175.4
Diabetes Mellitus	20	109.7
Chronic Liver Disease and Cirrhosis	8	43.9
Suicide	3	16.4

Source: NC Mortality File, Center for Health Statistics.

Total Number of Deaths ages 80+	1,859
Age 80+ Guilford County Population in 2013	18,239
Age 80+ Mortality Rate (Not age-adjusted)	10,192.4 per 100,000



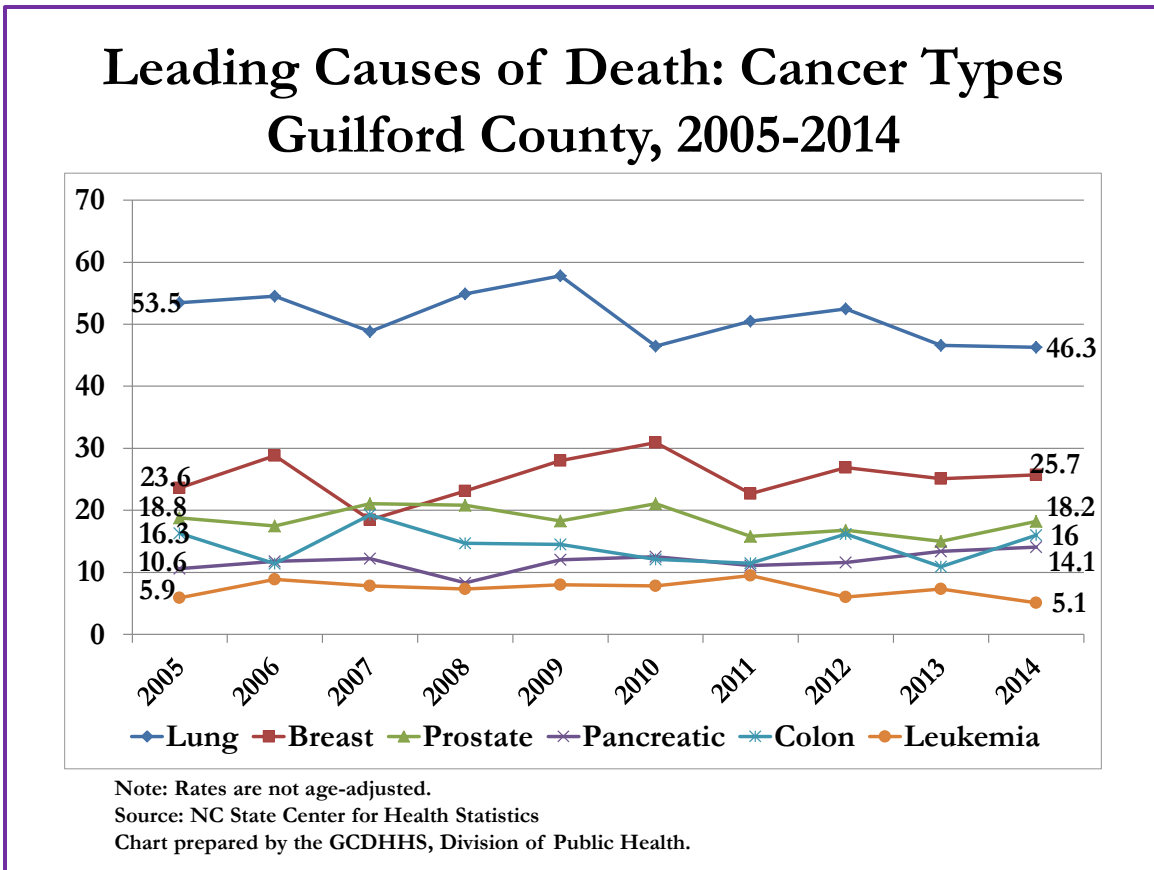


## Leading Causes of Death from Cancer by Type, All Residents Guilford County, NC, 2014

Cause of Death	Number of Deaths	Rate per 100,000
Cancer Types		
Lung	237	46.3
Colon	82	16.0
Pancreatic	72	14.1
Breast	69	25.7
Prostate	49	9.6
Liver	37	7.2
Brain	25	4.9
Bladder	23	4.5
Ovary	20	3.9
Stomach	16	3.1
Lip	15	2.9
Skin	14	2.7
Larynx	8	1.6
Cervical	6	1.2

Source: NC Mortality File, Center for Health Statistics; NC Demographers Office.

Total Number of Cancer Deaths in Guilford County	914
Guilford County Population in 2014	512,119
Overall Cause Specific Mortality Rate (Not age-adjusted)	178.5 per 100,000



## Leading Causes of Death, by Race/Ethnicity and Sex, Age-Adjusted Rates per 100,000, Guilford County, 2010-2014

Cause of Death:	White, non-Hispanic		African American, non-Hispanic		American Indian, non-Hispanic		Hispanic		Male		Female		Overall	
	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate
All Causes	13,982	721.8	5,253	863.9	60	621.1	191	289.6	9,484	878.9	10,211	642.0	19,695	744.0
Diseases of Heart	2,754	137.8	1,060	174.2	14	N/A	24	47.7	2,031	189.4	1,851	113.9	3,882	145.2
Acute Myocardial Infarction	575	28.6	207	35.5	3	N/A	4	N/A	410	38.2	383	23.4	793	29.6
Other Ischemic Heart Disease	1,008	50.9	363	60.0	6	N/A	12	N/A	834	76.8	566	35.2	1,400	52.3
Cerebrovascular Disease	787	38.5	292	51.2	1	N/A	14	N/A	417	40.0	692	42.0	1,109	41.8
Cancer	3,046	158.5	1,143	180.7	14	N/A	29	51.4	2,231	200.0	2,075	135.0	4,306	161.3
Colon, Rectum, and Anus	219	11.3	107	17.2	1	N/A	3	N/A	171	15.4	163	10.3	334	12.5
Pancreas	227	11.7	80	12.6	1	N/A	1	N/A	173	15.5	141	9.1	314	11.8
Trachea, Bronchus, and Lung	893	46.7	288	45.4	8	N/A	8	N/A	671	58.5	542	35.6	1,213	45.5
Breast	215	20.3	115	28.3	0	N/A	3	N/A	0	N/A	337	22.1	337	22.1
Prostate	136	17.3	74	39.1	2	N/A	2	N/A	215	21.0	0	N/A	215	21.0
Diabetes Mellitus	276	14.1	182	31.5	0	N/A	5	N/A	234	20.8	234	15.4	468	17.8
Pneumonia and Influenza	327	16.1	81	13.3	1	N/A	2	N/A	194	18.9	220	13.1	414	15.5
Chronic Lower Respiratory	867	44.2	139	23.7	4	N/A	4	N/A	450	43.4	567	36.6	1,017	38.9
Chronic Liver Disease and	177	10.0	58	8.2	2	N/A	4	N/A	157	12.2	89	6.1	246	8.9
Septicemia	226	11.4	93	15.7	1	N/A	2	N/A	148	13.8	176	11.0	324	12.3
Nephritis, Nephrotic Syndrome,	257	12.7	171	29.7	1	N/A	1	N/A	210	20.1	223	14.1	433	16.3
Unintentional Motor Vehicle	133	9.2	87	10.3	1	N/A	16	N/A	196	16.7	49	3.5	245	9.6
All Other Unintentional Injuries	605	35.8	149	22.7	4	N/A	11	N/A	415	38.3	361	23.5	776	29.9
Suicide	199	13.6	37	4.4	2	N/A	3	N/A	168	14.1	77	5.6	245	9.5
Homicide	46	3.8	95	10.7	2	N/A	7	N/A	120	10.0	34	2.7	154	6.2
Alzheimer's disease	722	34.0	166	35.7	1	N/A	6	N/A	258	27.8	641	37.0	899	33.9
HIV Infection/AIDS	16	N/A	65	8.1	0	N/A	2	N/A	65	5.2	18	N/A	83	3.2

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

Technical Note: Rates based on fewer than 20 cases (indicated by "N/A") are unreliable and have been suppressed. Breast and Prostate Cancer rates have sex-specific denominators (female and male, respectively).

This report was prepared by Health Surveillance & Analysis Unit of the Division of Public Health:  
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 For more information about Guilford County health statistics, visit [www.myguilford.com/humanservices/health/health-statistics](http://www.myguilford.com/humanservices/health/health-statistics)