

# | 2016 | Chronic Diseases Data Brief |



## Highlights

- Nationwide, heart disease is the leading cause of death, but since 2008, the leading cause of death in Guilford County has been cancer.
- The leading causes of cancer mortality were lung cancer, breast cancer among women and prostate cancer among men.
- Heart disease mortality rates have declined gradually but steadily for the last two decades and Guilford County heart disease mortality rates are lower than the state as a whole.
- After a period of decline, diabetes mortality rates have increased since 2010.
- In 2014, men had higher mortality rates than women of cancer, heart disease, kidney disease and chronic liver disease, while women had higher rates of death due to stroke, Alzheimer's disease, chronic lower respiratory disease and diabetes.
- African-American residents tend to have higher age-adjusted chronic disease death rates than Whites, with especially large disparities in mortality due to diabetes and prostate cancer.

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## 2010-2014 Guilford County Resident Race and Sex-Specific Age-Adjusted\* Chronic Disease Mortality Rates\*\*

Cause of Death:	White, non-Hispanic				African American, non-Hispanic				Hispanic				Overall	
	Male		Female		Male		Female		Male		Female			
	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate
All Causes	6,647	848.5	7,335	622.2	2,577	1,069.9	2,676	730.5	112	320.9	79	258.9	19,695	744.0
Diseases of Heart	1,446	182.2	1,308	105.0	544	228.6	516	140.4	17	N/A	7	N/A	3,882	145.2
Acute Myocardial Infarction	291	36.6	284	22.7	110	49.6	97	27.0	3	N/A	1	N/A	793	29.6
Other Ischemic Heart Disease	622	77.0	386	31.9	194	81.8	169	46.8	8	N/A	4	N/A	1,400	52.3
Cerebrovascular Disease	285	36.3	502	39.1	123	54.6	169	48.1	4	N/A	10	N/A	1,109	41.8
Cancer	1,589	194.4	1,457	132.9	574	238.0	569	147.9	17	N/A	12	N/A	4,306	161.3
Colon, Rectum, and Anus	115	14.1	104	9.0	52	21.6	55	14.2	2	N/A	1	N/A	334	12.5
Pancreas	126	15.5	101	8.9	41	15.9	39	10.5	1	N/A	0	N/A	314	11.8
Trachea, Bronchus, and Lung	481	57.8	412	37.8	170	67.5	118	31.7	5	N/A	3	N/A	1,213	45.5
Breast	0	N/A	215	20.3	0	N/A	115	28.3	0	N/A	3	N/A	337	22.1
Prostate	136	17.3	0	N/A	74	39.1	0	N/A	2	N/A	0	N/A	215	21.0
Diabetes Mellitus	146	17.6	130	11.4	84	36.1	98	28.4	2	N/A	3	N/A	468	17.8
Pneumonia and Influenza	146	19.0	181	13.9	44	18.6	37	10.2	1	N/A	1	N/A	414	15.5
Chronic Lower Respiratory Diseases	368	46.3	499	43.5	76	34.9	63	17.5	3	N/A	1	N/A	1,017	38.9
Chronic Liver Disease and Cirrhosis	115	13.5	62	6.8	35	11.4	23	5.8	3	N/A	1	N/A	246	8.9
Septicemia	103	12.8	123	10.1	43	18.8	50	13.5	1	N/A	1	N/A	324	12.3
Nephritis, Nephrotic Syndrome	137	17.1	120	9.8	69	33.1	102	28.1	1	N/A	0	N/A	433	16.3
Unintentional Motor Vehicle Injuries	105	15.6	28	3.6	67	18.3	20	4.0	15	N/A	1	N/A	245	9.6
All Other Unintentional Injuries	313	44.2	292	29.0	86	32.9	63	16.2	9	N/A	2	N/A	776	29.9
Suicide	133	19.3	66	8.4	28	7.6	9	N/A	2	N/A	1	N/A	245	9.5
Homicide	34	5.7	12	N/A	78	19.3	17	N/A	6	N/A	1	N/A	154	6.2
Alzheimer's disease	209	27.6	513	37.3	47	31.6	119	37.3	1	N/A	5	N/A	899	33.9
Acquired Immune Deficiency Syndrome	13	N/A	3	N/A	50	14.0	15	N/A	2	N/A	0	N/A	83	3.2

\*Standard = Year 2000 U.S. Population; \*\*Rates Per 100,000 Population

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; rates for Breast and Prostate Cancers have sex-specific denominators (female and male, respectively).

## 2010-2014 Guilford County Race/Ethnicity-Specific and Sex-Specific Age-Adjusted\* Death Rates\*\*

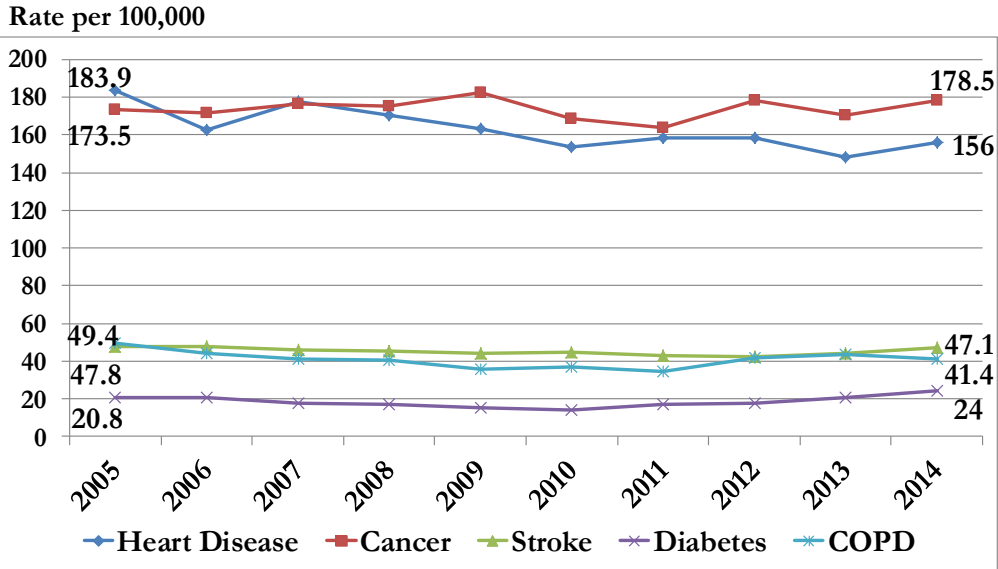
Cause of Death:	White, non-Hispanic		African American, non-Hispanic		American Indian, non-Hispanic		Other Races, non-Hispanic		Hispanic		Male		Female		Overall	
	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate
All Causes	13,982	721.8	5,253	863.9	60	621.1	209	395.5	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	30	69.1	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	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	11	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	15	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	74	126.6	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	4	N/A	3	N/A	171	15.4	163	10.3	334	12.5
Pancreas	227	11.7	80	12.6	1	N/A	5	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	16	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	4	N/A	3	N/A	0	N/A	337	22.1	337	22.1
Prostate	136	17.3	74	39.1	2	N/A	1	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	5	N/A	234	20.8	234	15.4	468	17.8
Pneumonia and Influenza	327	16.1	81	13.3	1	N/A	3	N/A	2	N/A	194	18.9	220	13.1	414	15.5
Chronic Lower Respiratory Diseases	867	44.2	139	23.7	4	N/A	3	N/A	4	N/A	450	43.4	567	36.6	1,017	38.9
Chronic Liver Disease and Cirrhosis	177	10.0	58	8.2	2	N/A	5	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	2	N/A	148	13.8	176	11.0	324	12.3
Nephritis and Nephrotic Syndrome	257	12.7	171	29.7	1	N/A	3	N/A	1	N/A	210	20.1	223	14.1	433	16.3
Unintentional Motor Vehicle Injuries	133	9.2	87	10.3	1	N/A	8	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	7	N/A	11	N/A	415	38.3	361	23.5	776	29.9
Suicide	199	13.6	37	4.4	2	N/A	4	N/A	3	N/A	168	14.1	77	5.6	245	9.5
Homicide	46	3.8	95	10.7	2	N/A	4	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	4	N/A	6	N/A	258	27.8	641	37.0	899	33.9
Acquired Immune Deficiency Syndrome	16	N/A	65	8.1	0	N/A	0	N/A	2	N/A	65	5.2	18	N/A	83	3.2

\*Standard = Year 2000 U.S. Population ; \*\*Rates Per 100,000 Population

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

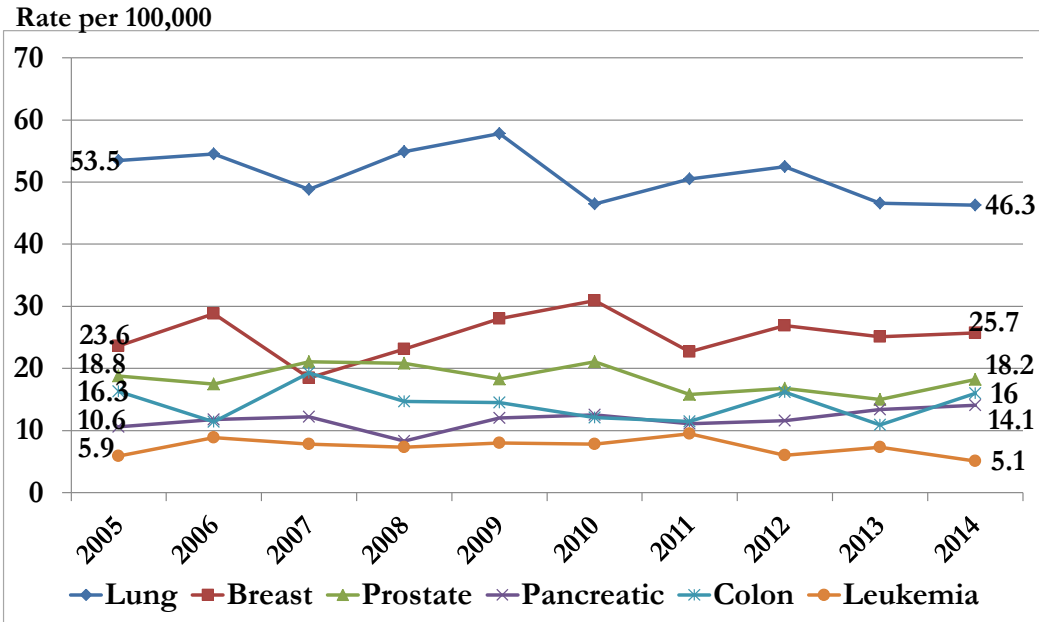
Technical Note: Rates based on fewer than 20 cases (indicated by "N/A") are unreliable and have been suppressed; rates for Breast and Prostate Cancers have sex-specific denominators (female and male, respectively).

## Leading Causes of Death: Chronic Diseases Guilford County, 2005-2014



Note: COPD is Chronic Obstructive Pulmonary Disease, also known as Chronic Lower Respiratory Disease.  
 Note: Rates not age-adjusted.  
 Source: Data provided by the NC Center for Health Statistics.  
 Chart prepared by the GCDHHS, Division of Public Health.

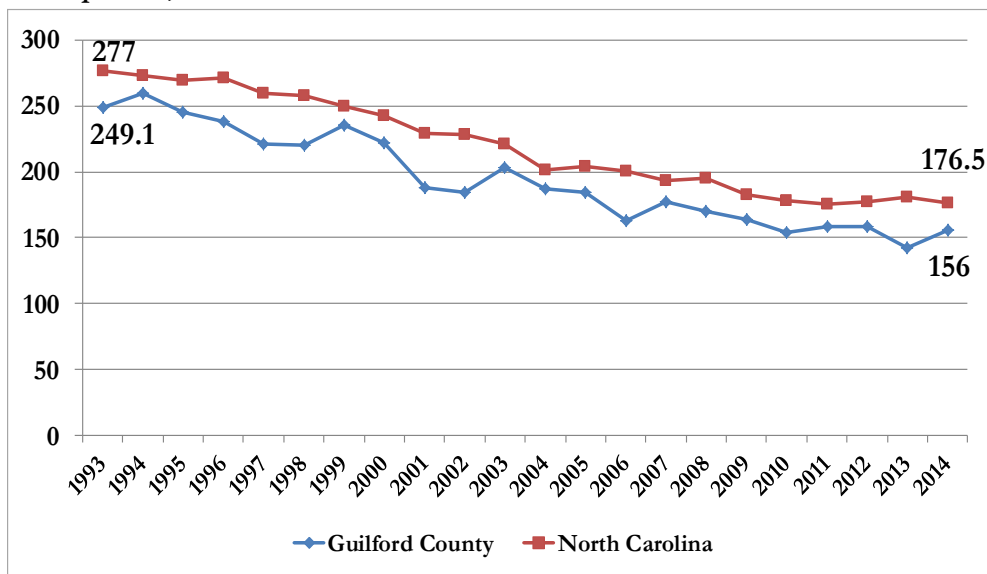
## Leading Causes of Death: Cancer Types Guilford County, 2005-2014



Note: Rates are not age-adjusted.  
 Source: NC State Center for Health Statistics.  
 Chart prepared by the GCDHHS, Division of Public Health.

## Heart Disease Mortality Guilford County and NC, 1993-2014

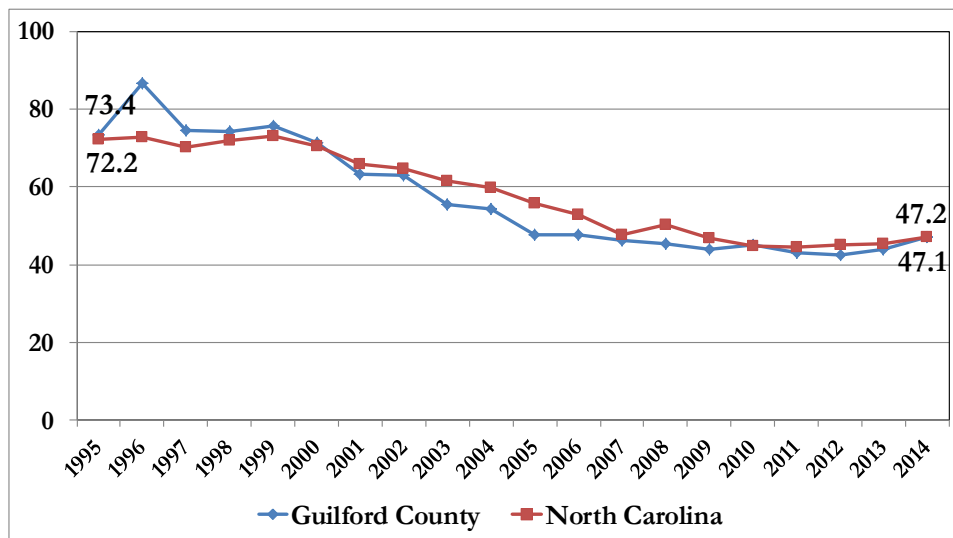
Rate per 100,000



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

## Cerebrovascular Disease (Stroke) Mortality, Guilford County and NC, 1995-2014

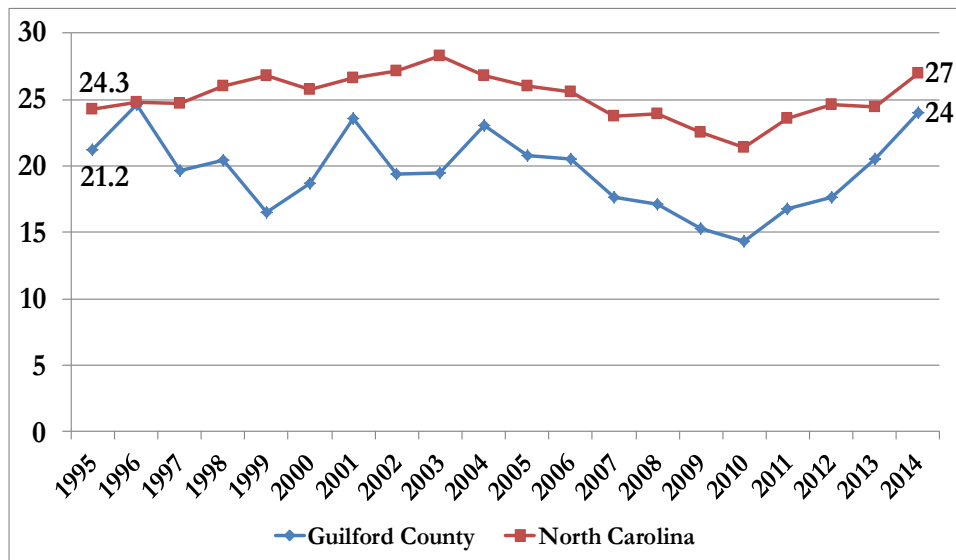
Rate per 100,000



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

## Diabetes Mortality, Guilford County and NC, 1995-2014

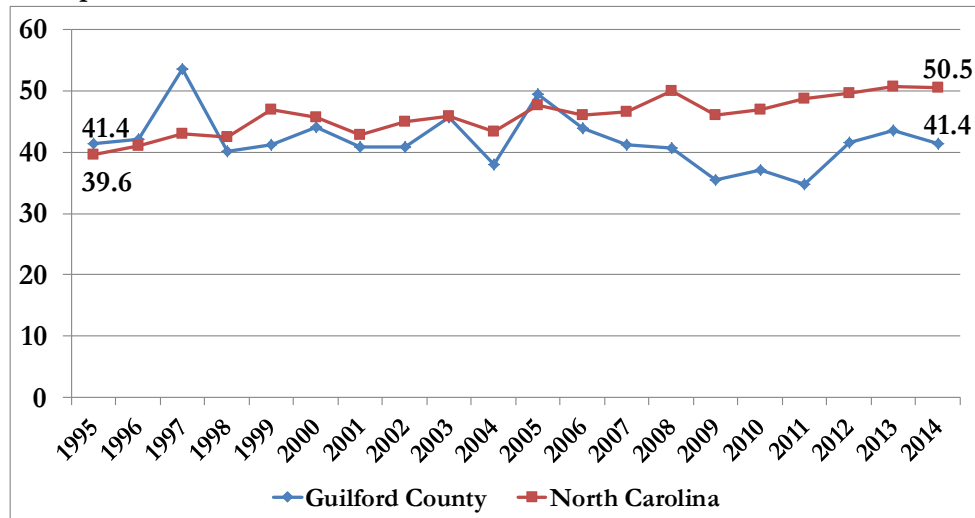
Rate per 100,000



Note: Rates are not age-adjusted.  
 Source: NC State Center for Health Statistics.  
 Chart prepared by the GCDHHS, Division of Public Health.

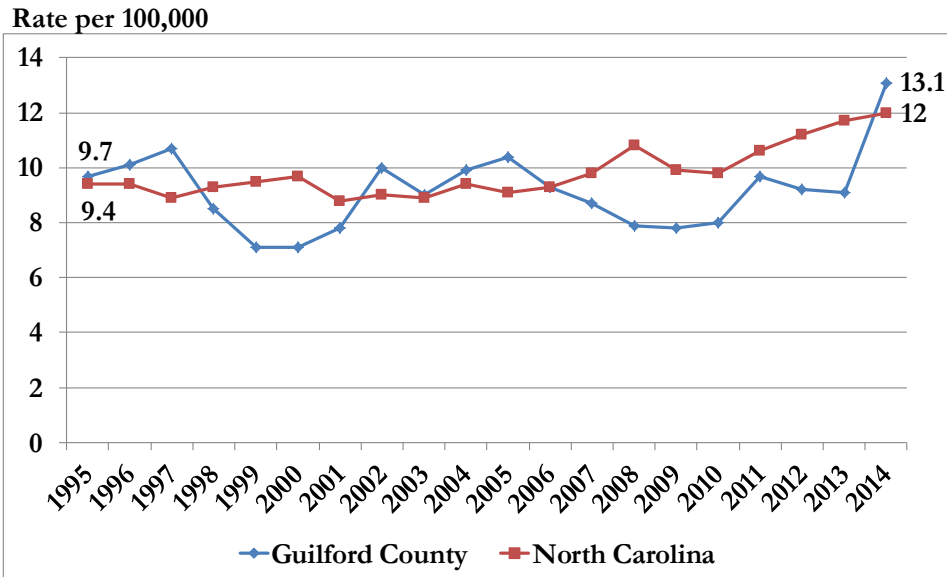
## Chronic Lower Respiratory Disease, Guilford County and NC, 1995-2014

Rate per 100,000



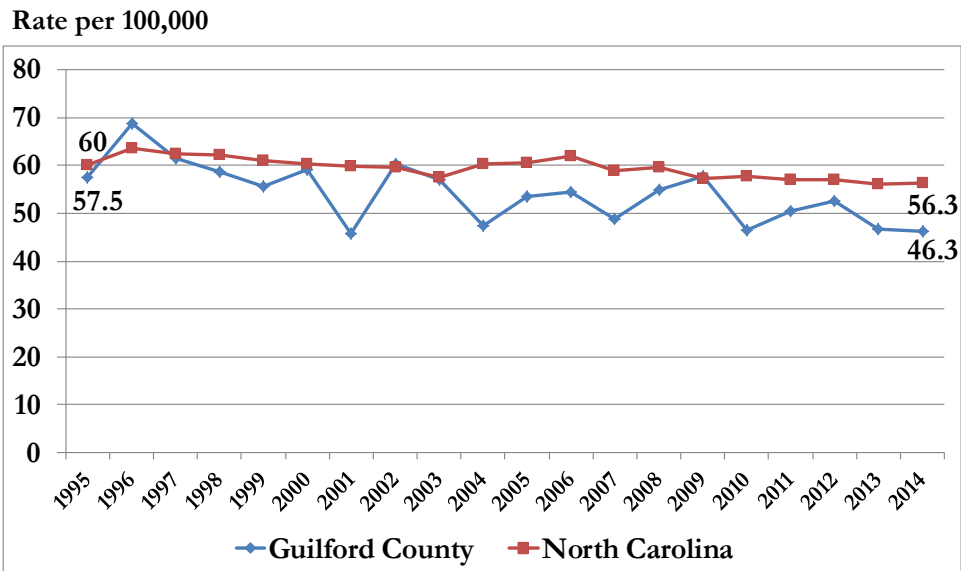
Note: Rates are not age-adjusted.  
 Source: NC State Center for Health Statistics.  
 Chart prepared by the GCDHHS, Division of Public Health.

## Chronic Liver Disease/Cirrhosis Mortality Guilford County and NC, 1995-2014



Note: Rates are not age-adjusted.  
 Source: NC State Center for Health Statistics.  
 Chart prepared by the GCDHHS, Division of Public Health.

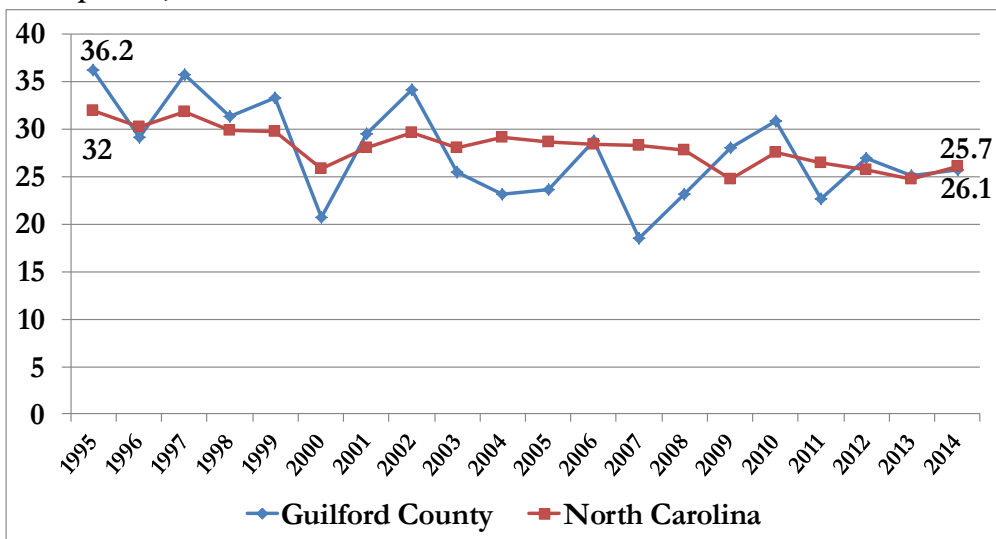
## Lung Cancer Mortality\* Guilford County and NC, 1995-2014



\*Includes cancers of the trachea, bronchus and lungs.  
 Note: Rates are not age-adjusted.  
 Source: NC State Center for Health Statistics.  
 Chart prepared by the GCDHHS, Division of Public Health.

## Breast Cancer Mortality, Guilford County and NC, 1995-2014

Rate per 100,000



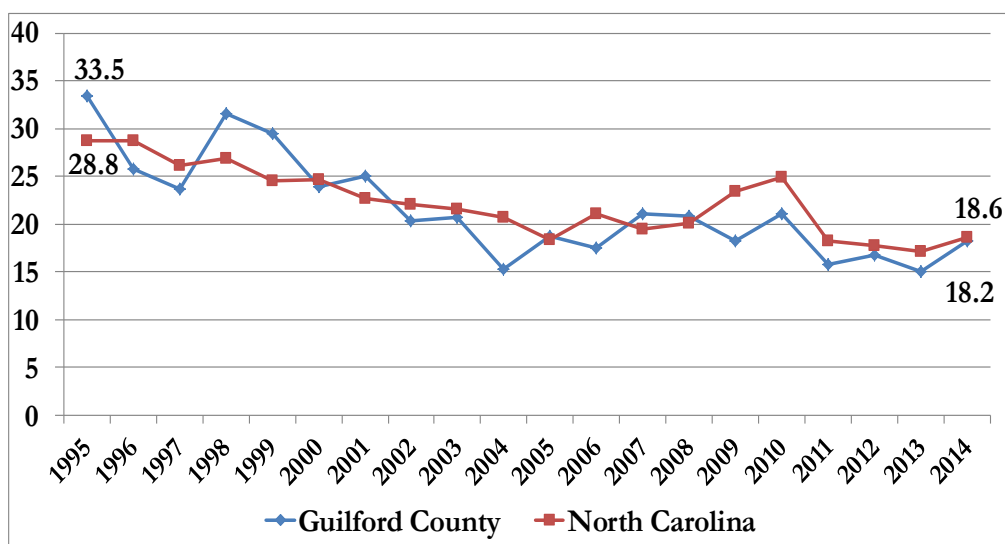
Note: Rates are not age-adjusted.

Source: NC State Center for Health Statistics.

Chart prepared by the GCDHHS, Division of Public Health.

## Prostate Cancer Mortality, Guilford County and NC, 1995-2014

Rate per 100,000



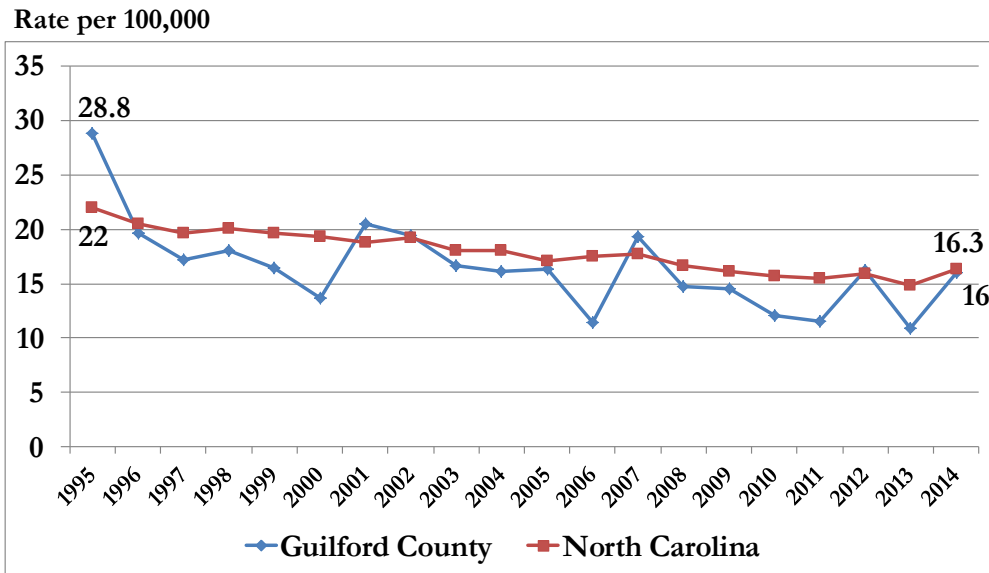
Note: Rates are not age-adjusted.

Source: NC State Center for Health Statistics.

Chart prepared by the GCDHHS, Division of Public Health.

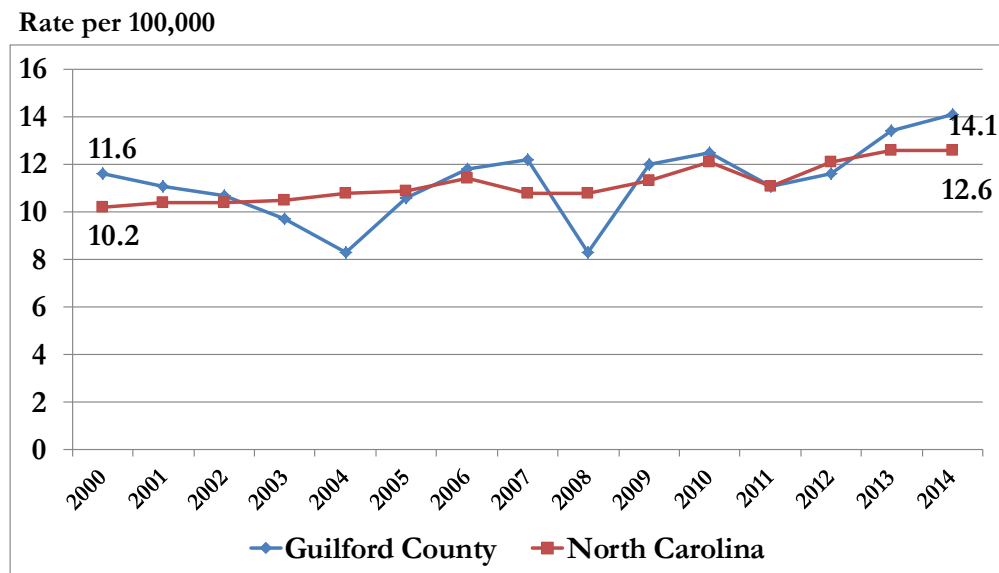


## Colorectal Cancer Mortality, Guilford County and NC, 1995-2014



Note: Rates are not age-adjusted.  
 Source: NC State Center for Health Statistics.  
 Chart prepared by the GCDHHS, Division of Public Health.

## Pancreatic Cancer Mortality, Guilford County and NC, 2000-2014



Note: Rates are not age-adjusted.  
 Source: NC State Center for Health Statistics.  
 Chart prepared by the GCDHHS, Division of Public Health.

## Risk Factors for Chronic Disease, 2013

Chronic Disease Risk Factor	North Carolina	Guilford County	Durham County	Forsyth County	Mecklenburg County	Wake County
Current Smoker	20.2%	18.3%	14.6%	23.6%	16.6%	14.0%
Overweight or Obese	66.1%	67.9%	59.6%	63.2	60.6%	59.7%
Consumed fruits or vegetables or beans five or more times per day	12.3%	13.7%	12.4%	13.4%	10.9%	14.9%
Engaged in leisure-time physical activity in previous month	73.4%	71.3%	75.3%	75.3%	78.9%	81.0%

Source: Behavioral Risk Factor Surveillance System Survey (BRFSS); NC State Center for Health Statistics, 2013.

### Number of the Past Seven Days Respondents Reported Anyone Smoked in their Home While They Were There, 2013

Secondhand Smoke Exposure	North Carolina	Guilford County	Forsyth County	Mecklenburg County	Wake County
All 7 Days	11.2%	12.2%	15.5%	7.0%	5.4%
1-6 Days	3.2%	*	5.3%	*	*
No Days	85.6%	85.9%	79.2%	90.9%	92.6%

Source: Behavioral Risk Factor Surveillance System Survey (BRFSS); NC State Center for Health Statistics, 2013.

\*Estimate excluded because it did not meet statistical reliability standards.

### Number of the Past Seven Days Respondents Reported Smelling Tobacco Smoke from Someone Else's Cigarette, Cigar or Pipe Drifting into their Home from Nearby Apartment or Outside, 2013

Secondhand Smoke Exposure	North Carolina	Guilford County	Wake County
All 7 Days	5.2%	6.5%	4.1%
1-6 Days	6.5%	*	8.3%
No Days	88.3%	88.4%	87.6%

Source: Behavioral Risk Factor Surveillance System Survey (BRFSS); NC State Center for Health Statistics, 2013.

\*Estimate excluded because it did not meet statistical reliability standards.

### 2014 North Carolina Hospital Discharges with a Primary Diagnosis of Asthma per 100,000 Population

Hospital Discharge Asthma Rates	North Carolina	Guilford County	Durham County	Forsyth County	Mecklenburg County	Wake County
Overall Rate	90.9	90.6	93.1	97.7	100.3	76.3
Rate for Ages 0-14	144.6	129.8	218.3	142.2	200.8	138.0

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

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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)