

| 2016 | Injuries Data Brief



Highlights

- Since 2006, deaths due to motor vehicle crashes have declined in Guilford County.
- Though all age groups are impacted, adults ages 40-49 are at greatest risk for motor vehicle injury deaths.
- Deaths due to non-motor vehicle injuries have increased in Guilford County and the state as a whole over the last 15 years.
- Non-motor vehicle injury mortality heavily impacts those over the age of 70.
- In 2014, the overall leading cause of injury mortality was deaths due to falls, followed by motor vehicle crash deaths, unintentional poisoning, suicide, and homicide, respectively.
- Homicide deaths declined in Guilford County from 12.4 per 100,000 in 1995 to 5.5 per 100,000 in 2014. Those most at risk of homicide are young adults.
- Suicide death rates are lower in Guilford County than in the state as a whole, and have declined between 2012 and 2014.
- Suicide affects a wide range of age groups, with young adults at greatest risk.
- Poisoning deaths are due primarily to adverse reactions to prescription and non-prescription use of opioid drugs.
- Firearms were used in the majority of both suicide and homicide deaths.

Inside this Data Brief

Leading Causes of Injury Mortality	2
Leading Causes of Injury Mortality among Females	3
Leading Causes of Injury Mortality among Males	4
Leading Causes of Injury Mortality among African-Americans	5
Leading Causes of Injury Mortality among Whites	6
Age-Adjusted Injury Mortality Rates	7
Trends in Motor Vehicle Injury Mortality	8
Trends in Unintentional Injury Mortality	9
Trends in Homicide Mortality	10
Trends in Suicide Mortality	11
Detailed Causes of non-Motor Vehicle Mortality	12

Leading Causes of Injury Mortality and Rates per 100,000 All Residents, Guilford County, 2009-2014

Leading Causes of Injury Mortality, Guilford County 2009-2014

Injury Type	2009	2010	2011	2012	2013	2014
Motor Vehicle Injury	46	61	41	43	47	53
Unintentional Falls	91	74	77	70	83	74
Suicide and Self-Inflicted Injury	48	42	49	59	52	43
Homicide and Injury Purposely Inflicted on Other Persons	24	27	34	32	33	28
Unintentional Poisoning	38	33	44	50	37	51
Unintentional Death by Fire	6	5	4	3	5	4

Rate per 100,000

Injury Type	2009	2010	2011	2012	2013	2014
Motor Vehicle Injury	9.7	12.5	8.3	8.6	9.2	10.3
Unintentional Falls	19.1	15.2	15.5	14.0	16.4	14.4
Suicide and Self-Inflicted Injury	10.1	8.6	9.9	11.8	10.3	8.4
Homicide and Injury Purposely Inflicted on Other Persons	5.0	5.5	6.9	6.4	6.5	5.5
Unintentional Poisoning	8.0	6.8	8.9	10.0	7.3	10.0
Unintentional Death by Fire	1.3	1.0	0.8	0.6	1.0	0.8
Population	476,038	488,406	495,231	501,058	506,610	512,119

Source: State of North Carolina. Department of Health and Human Services. Division of Public Health. State Center for Health Statistics.

Leading Causes of Injury Mortality and Rates per 100,000 Female Residents, Guilford County, 2009-2014

Leading Causes of Injury Mortality, Guilford County 2009-2014

Injury Type	2009	2010	2011	2012	2013	2014
Motor Vehicle Accident	15	14	10	8	9	8
Unintentional Falls	48	36	41	30	46	44
Suicide and Self-Inflicted Injury	16	12	18	18	18	11
Homicide and Injury Purposely Inflicted on Other Persons	11	2	7	9	8	8
Unintentional Poisoning	17	13	16	11	9	17
Unintentional Death by Fire	3	5	1	2	1	1

Rate per 100,000

Injury Type	2009	2010	2011	2012	2013	2014
Motor Vehicle Accident	6.0	5.5	3.9	3.0	3.4	3.0
Unintentional Falls	19.2	14.1	15.8	11.4	17.2	16.4
Suicide and Self-Inflicted Injury	6.4	4.7	6.9	6.8	6.7	4.1
Homicide and Injury Purposely Inflicted on Other Persons	4.4	0.8	2.7	3.4	3.0	3.0
Unintentional Poisoning	6.8	5.1	6.2	4.2	3.4	6.3
Unintentional Death by Fire	1.2	2.0	0.4	0.4	0.4	0.4
Population	249,688	255,923	259,659	263,608	267,293	268,635

Source: State of North Carolina. Department of Health and Human Services. Division of Public Health. State Center for Health Statistics.

Leading Causes of Injury Mortality and Rates per 100,000 Male Residents, Guilford County, 2009-2014

Leading Causes of Injury Mortality, Guilford County 2009-2014

Injury Type	2009	2010	2011	2012	2013	2014
Motor Vehicle Accident	31	47	31	35	38	45
Unintentional Falls	43	38	36	40	37	30
Suicide and Self-Inflicted Injury	37	30	31	41	34	32
Homicide and Injury Purposely Inflicted on Other Persons	28	25	27	23	25	20
Unintentional Poisoning	21	20	28	39	28	34
Unintentional Death by Fire	3	0	3	1	4	3

Rate per 100,000

Injury Type	2009	2010	2011	2012	2013	2014
Motor Vehicle Accident	13.4	20.2	13.2	14.7	15.8	18.5
Unintentional Falls	18.6	16.3	15.3	16.8	15.4	12.3
Suicide and Self-Inflicted Injury	16.0	12.9	13.2	17.3	14.2	13.2
Homicide and Injury Purposely Inflicted on Other Persons	12.1	10.8	11.5	9.7	10.4	8.2
Unintentional Poisoning	9.1	8.6	11.9	16.4	11.7	14.0
Unintentional Death by Fire	1.3	0.0	1.3	0.4	1.7	1.2
Population	230,674	232,483	235,506	237,450	240,126	243,119

Source: State of North Carolina. Department of Health and Human Services. Division of Public Health. State Center for Health Statistics.

**Leading Causes of Injury Mortality and Rates per 100,000
Black/African-American Residents, Guilford County, 2009-2014**

Leading Causes of Injury Mortality, Guilford County 2009-2014

Injury Type	2009	2010	2011	2012	2013	2014
Motor Vehicle Accident	N/A	N/A	15	11	20	17
Unintentional Falls	N/A	N/A	8	9	12	10
Suicide and Self-Inflicted Injury	N/A	N/A	6	4	13	8
Homicide and Injury Purposely Inflicted on Other Persons	N/A	N/A	20	23	19	21
Unintentional Poisoning	N/A	N/A	8	11	10	9
Unintentional Death by Fire	N/A	N/A	1	1	0	1

Rate per 100,000

Injury Type	2009	2010	2011	2012	2013	2014
Motor Vehicle Accident	N/A	N/A	9.1	6.6	11.7	9.5
Unintentional Falls	N/A	N/A	4.8	5.4	7.0	5.6
Suicide and Self-Inflicted Injury	N/A	N/A	3.6	2.4	7.6	4.5
Homicide and Injury Purposely Inflicted on Other Persons	N/A	N/A	12.1	13.7	11.2	11.7
Unintentional Poisoning	N/A	N/A	4.8	6.6	5.9	5.0
Unintentional Death by Fire	N/A	N/A	0.6	0.6	0.0	0.6
Population	-	-	165,072	167,488	170,260	179,332

Source: State of North Carolina. Department of Health and Human Services. Division of Public Health. State Center for Health Statistics.

Leading Causes of Injury Mortality and Rates per 100,000 White Residents, Guilford County, 2009-2014

Leading Causes of Injury Mortality, Guilford County 2009-2014

Injury Type	2009	2010	2011	2012	2013	2014
Motor Vehicle Accident	29	35	24	31	26	29
Unintentional Falls	77	65	68	61	70	63
Suicide and Self-Inflicted Injury	47	35	43	52	38	34
Homicide and Injury Purposely Inflicted on Other Persons	4	14	12	9	12	5
Unintentional Poisoning	30	30	36	39	26	40
Unintentional Death by Fire	3	3	2	2	5	2

Rate per 100,000

Injury Type	2009	2010	2011	2012	2013	2014
Motor Vehicle Accident	9.7	12.2	8.2	10.4	8.7	9.5
Unintentional Falls	25.8	22.6	23.2	20.5	23.4	20.7
Suicide and Self-Inflicted Injury	15.7	12.2	14.6	17.5	12.7	11.2
Homicide and Injury Purposely Inflicted on Other Persons	1.3	4.9	4.1	3.0	4.0	1.6
Unintentional Poisoning	10.0	10.5	12.3	13.1	8.7	13.2
Unintentional Death by Fire	1.0	1.0	0.7	0.7	1.7	0.7
Population	298,775	287,040	293,599	296,910	298,914	303,718

Source: State of North Carolina. Department of Health and Human Services. Division of Public Health. State Center for Health Statistics.

Injury Mortality, Age-Adjusted

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		Hispanic		Male		Female		Overall	
	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate
Motor Vehicle Injuries	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

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

2010-2014 NC Resident Race/Ethnicity-Specific and Sex-Specific Age-Adjusted* Death Rates**

Cause of Death:	White, non-Hispanic				African American, non-Hispanic				American Indian, non-Hispanic				Hispanic				Overall	
	Male		Female		Male		Female		Male		Female		Male		Female			
	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate
Motor Vehicle Injuries	105	15.6	28	3.6	67	18.3	20	4.0	1	N/A	0	N/A	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	2	N/A	2	N/A	9	N/A	2	N/A	776	29.9
Suicide	133	19.3	66	8.4	28	7.6	9	N/A	1	N/A	1	N/A	2	N/A	1	N/A	245	9.5
Homicide	34	5.7	12	N/A	78	19.3	17	N/A	1	N/A	1	N/A	6	N/A	1	N/A	154	6.2

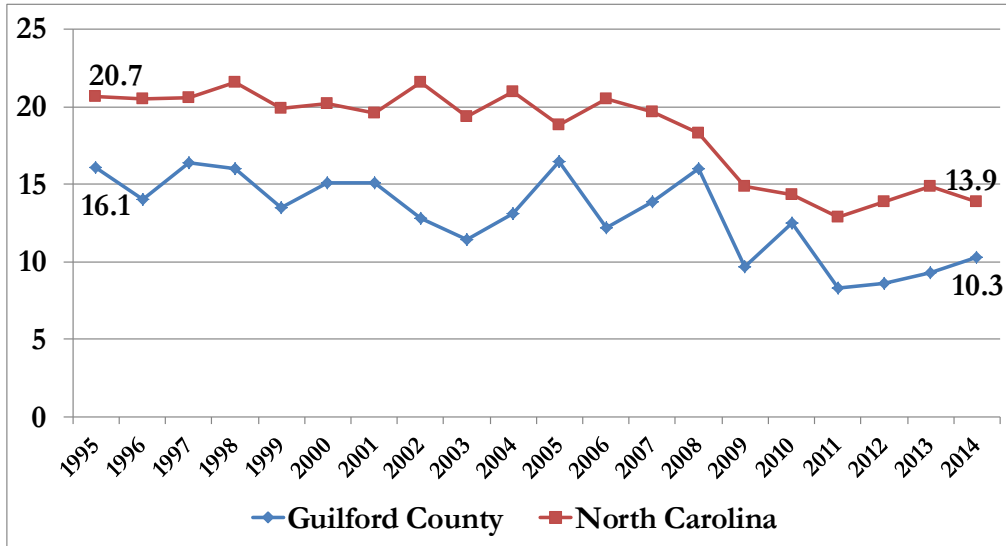
* Standard = Year 2000 U.S. Population; **Rates Per 100,000 Population

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.

Motor Vehicle Injury Mortality, Guilford County and NC, 1995-2014

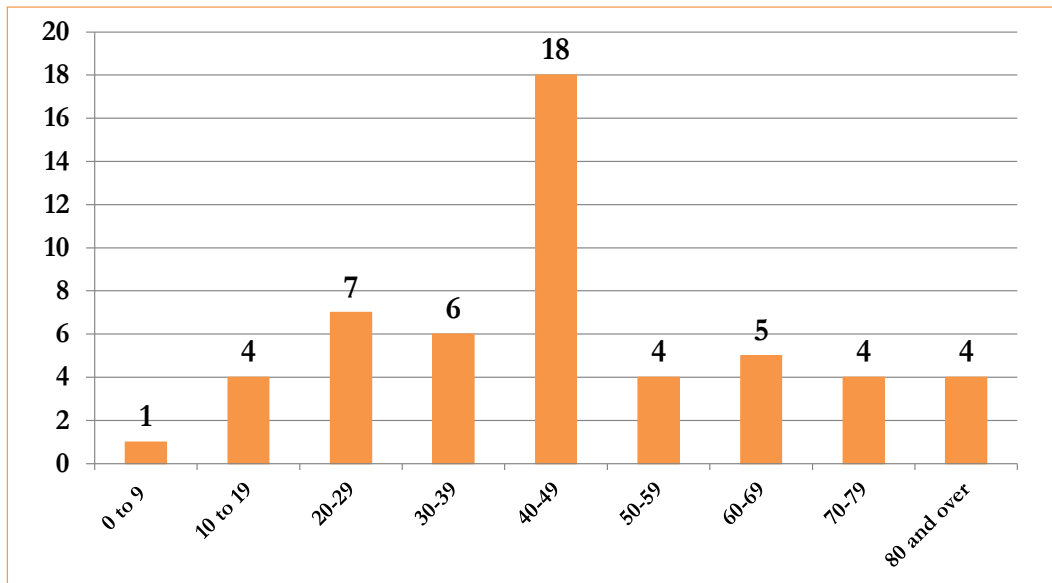
Rate per 100,000



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

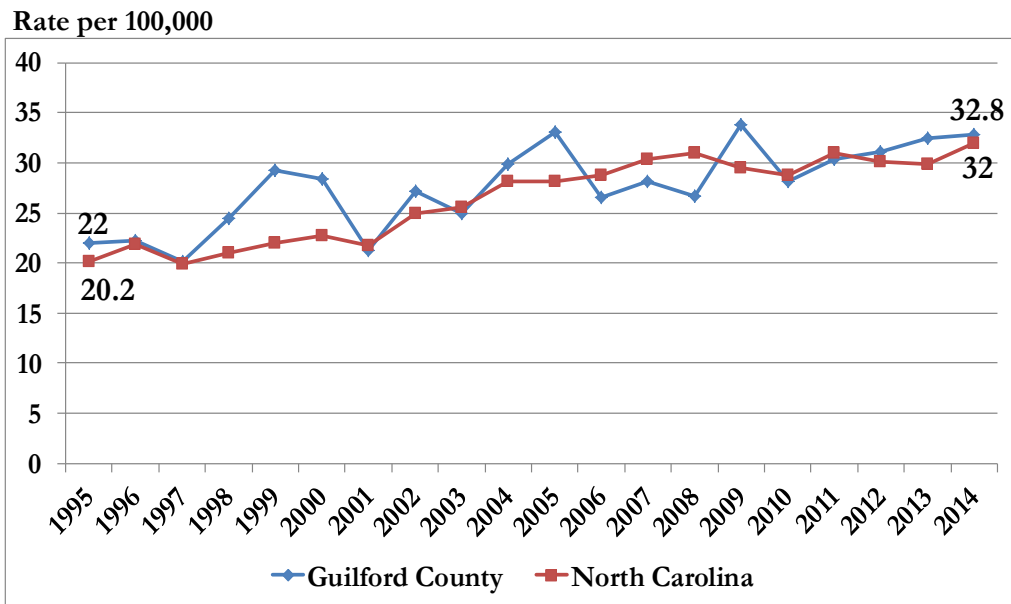
Motor Vehicle Crash Deaths by Age Group Guilford County, 2014

Number of Deaths



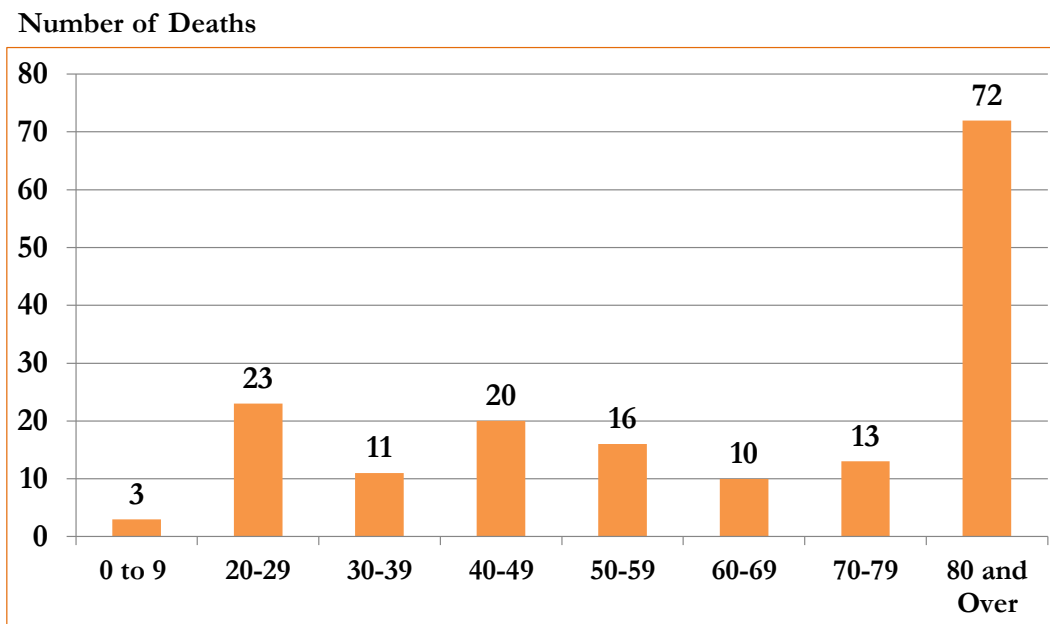
Source: Data provided by the NC Center for Health Statistics.
Chart prepared by the GCDHHS, Division of Public Health.

Mortality Due to Unintentional Injury other than Motor Vehicle Injury, 1995-2014



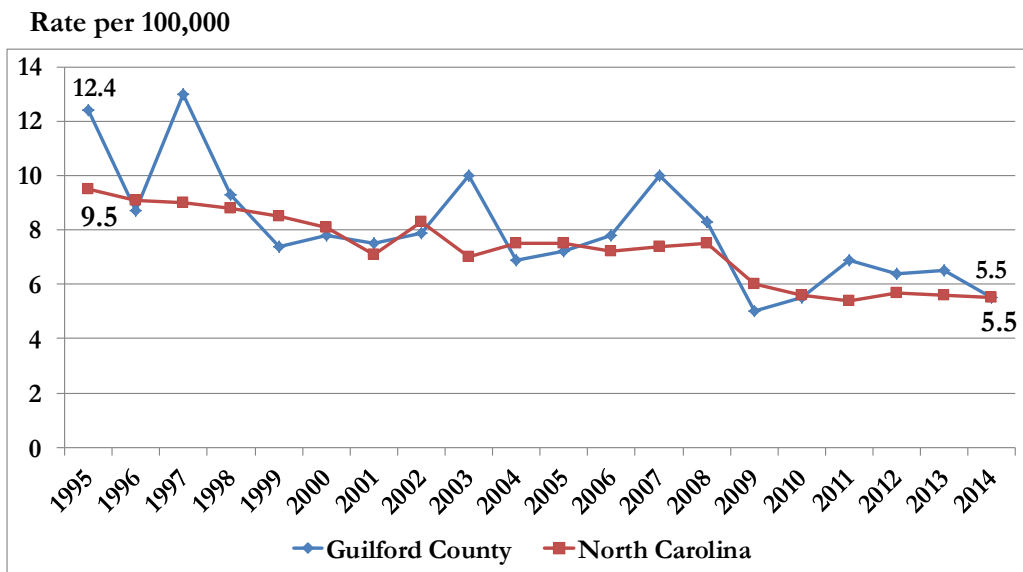
Source: Data provided by the NC Center for Health Statistics.
Chart prepared by the GCDHHS, Division of Public Health.

Non-Motor Vehicle Injury Deaths by Age Group Guilford County, 2014



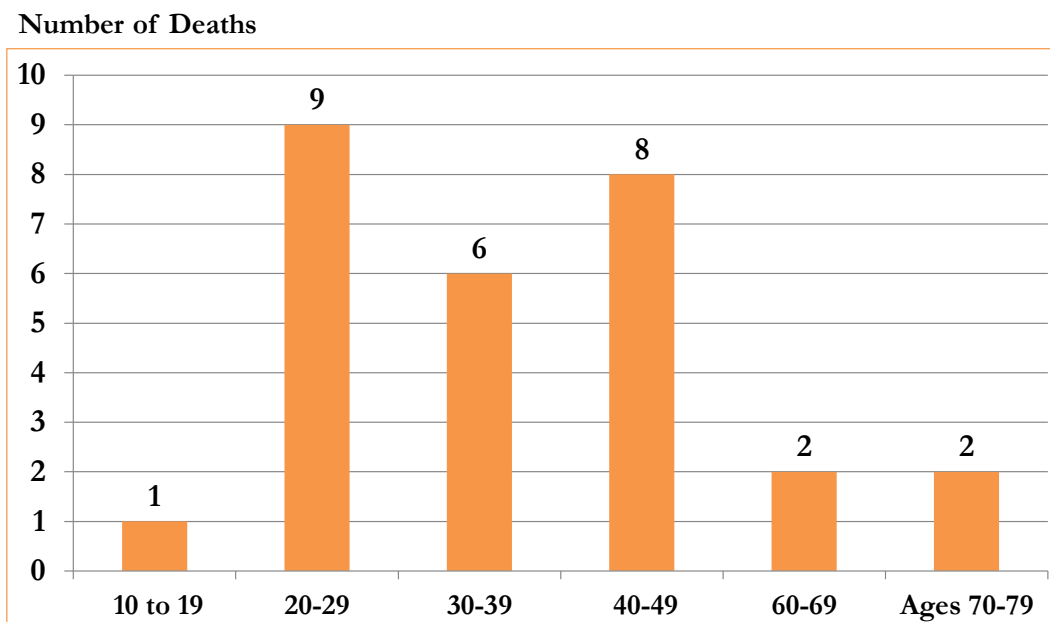
Source: Data provided by the NC Center for Health Statistics.
Chart prepared by the GCDHHS, Division of Public Health.

Homicide Mortality, Guilford County and NC, 1995-2014



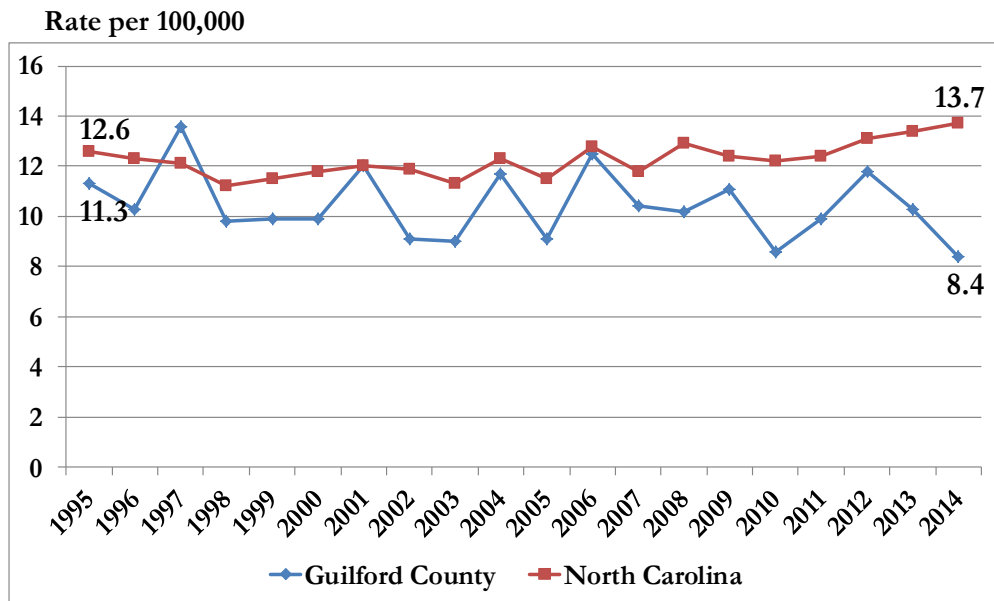
Source: Data provided by the NC Center for Health Statistics.
Chart prepared by the GCDHHS, Division of Public Health.

Homicide Deaths by Age Group Guilford County, 2014



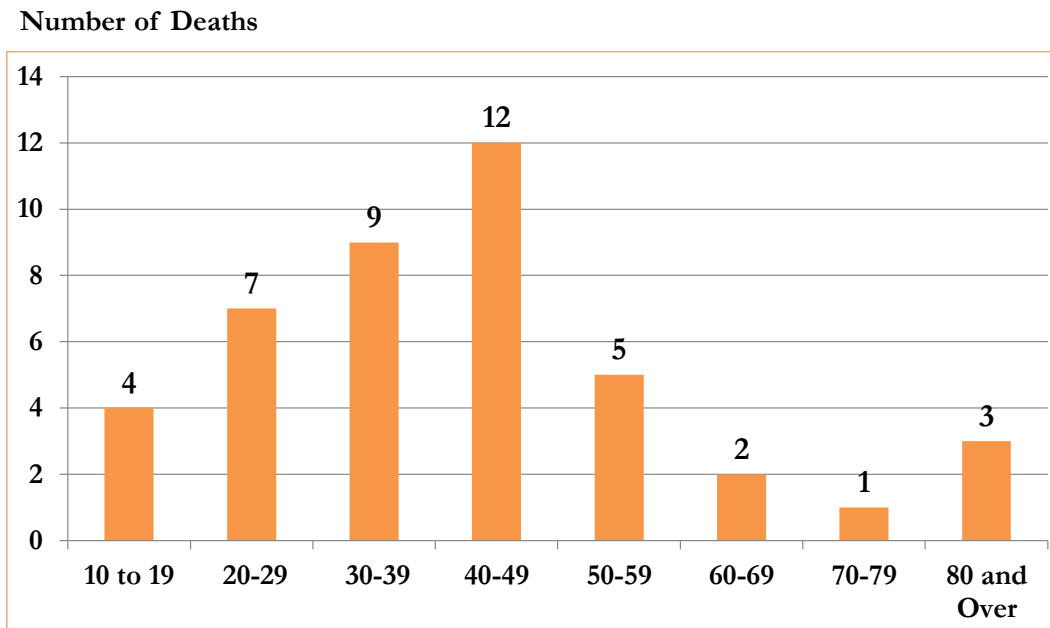
Source: Data provided by the NC Center for Health Statistics.
Chart prepared by the GCDHHS, Division of Public Health.

Suicide Mortality, Guilford County and NC, 1995-2014



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

Suicide Deaths by Age Group Guilford County, 2014



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

Detailed Causes of Non-Motor Vehicle Injury Mortality, 2014

Deaths due to Unintentional Poisoning, 2014		
ICD-10 Cause of Death Codes	Cause of Death Description	Number of Deaths
X40-X49	Accidental poisoning by and exposure to noxious substances	51
X41	Accidental poisoning by & exposure to antiepileptic, sedative-hypnotic, antiparkinsonism & psychotropic drugs	1
X42	Accidental poisoning by and exposure to narcotics and psychodysleptics [hallucinogens], NEC	33
X44	Accidental poisoning by and exposure to other and unspecified drugs, medicaments & biological substances	13
X45	Accidental poisoning by and exposure to alcohol	4
Deaths due to Suicide, 2014		
X60-X84	Intentional self-harm	43
X61	Intentional self-poisoning by & exposure to antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drugs	2
X64	Intentional self-poisoning by and exposure to other & unspecified drugs, medicaments and biological substances	4
X67	Intentional self-poisoning by and exposure to other gases and vapors	1
X70	Intentional self-harm by hanging, strangulation and suffocation	8
X71	Intentional self-harm by drowning and submersion	1
X72	Intentional self-harm by handgun discharge	3
X73	Intentional self-harm by rifle, shotgun and larger	2
X74	Intentional self-harm by other and unspecified firearm and gun discharge	17
X78	Intentional self-harm by sharp object	2
X80	Intentional self-harm by jumping from a high place	1
X81	Intentional self-harm by jumping or lying in front of moving object	1
Deaths due to Homicide, 2014		
X85-Y09	Assault	27
X95	Assault by other and unspecified firearm discharge	18
X95	Assault by smoke, fire and flames	1
X99	Assault by sharp object	4
Y09	Assault by unspecified means	4

Source: Detailed Mortality Statistics, North Carolina Residents, 2014, NC State Center for Health Statistics.

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For more information about Guilford County health statistics, visit www.myguilford.com/humanservices/health/health-statistics