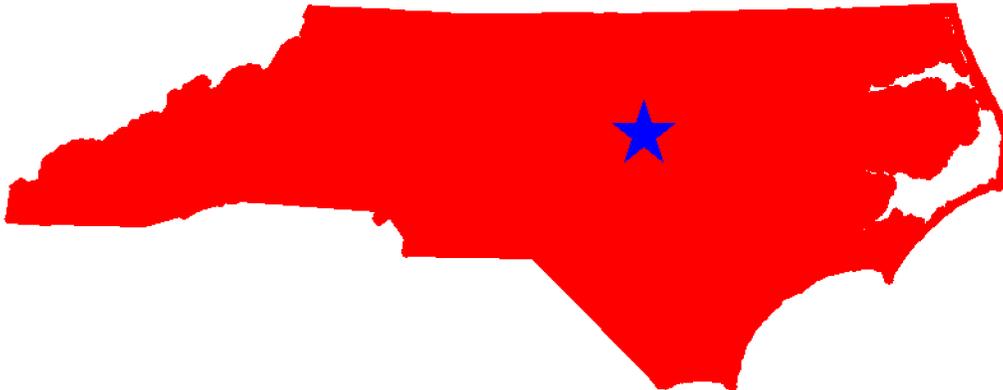




Traffic Safety Facts North Carolina 2003-2007



This Report Contains Data From the Following Sources:

Fatality Data - NCSA Fatality Analysis Reporting System (FARS): 2003-2006 Final File and 2007 Annual Report File (ARF)
Observed Safety Belt Data - NCSA National Occupant Protection Use Survey (NOPUS) and the North Carolina State Survey
Vehicle Miles of Travel Data and Motorcycle Registrations - Federal Highway Administration (FHWA)
Population Data - U.S. Bureau of the Census



Table of Contents

3. Traffic Safety Performance Measures
4. Fatality Rates: North Carolina , U.S. and Best State
5. Alcohol-Related Fatalities: North Carolina , U.S. and Best State (Old Definition)
6. Alcohol-Impaired Driving Fatalities: North Carolina , U.S. and Best State (New Definition)
7. Fatalities Per 100 Million VMT: North Carolina , U.S.
7. Alcohol-Impaired Driving Fatalities Per 100 Million VMT: North Carolina , U.S.
8. Blood Alcohol Concentration (BAC) Reporting Rates For Drivers/Motorcycle Rider (Operators) Involved in Fatal Crashes: North Carolina , U.S. and Best State
9. Front Seat Passenger Vehicle Occupants, Aged 5 and Over, by Restraint Use: Fatalities and Observed North Carolina , U.S. and Best State
10. Front Seat Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use: North Carolina , U.S.
10. Front Seat Passenger Vehicle Occupants Observed, Aged 5 and Over, by Percent Restraint Use: North Carolina , U.S.
11. Passenger Vehicle Occupant Fatalities Aged 5 and Above by Restraint Use and Lives Saved Estimates
11. Passenger Vehicle Occupant Fatalities Aged Under 5 by Restraint Use and Lives Saved Estimates
12. Motorcyclist Fatalities by Helmet Use and Lives Saved Estimates
13. Fatalities by Person Type
14. Fatalities by Crash Type
15. Motorcyclist Fatalities by Age
15. Motorcyclist Fatalities Per 100,000 Registered Motorcycles
16. Fatalities by Person Type and Race/Hispanic Origin
17. Top 10 Counties for Fatalities
18. Top 10 Counties for Fatalities: Year to Year Percent Change
19. Top 10 Counties for Fatality Rates
20. Motor Vehicle Crash Fatality Maps:
Total Fatalities, Alcohol-Impaired Driving Fatalities, Single Vehicle Crash Fatalities
21. Motor Vehicle Crash Fatality Maps:
Large Truck Crash Fatalities, Speeding Involved Fatalities, Roadway Departure Fatalities
22. Motor Vehicle Crash Fatality Maps:
Intersection Fatalities, Passenger Car Occupants, Light Truck and Van Occupants
23. Motor Vehicle Crash Fatality Maps:
Motorcyclist Fatalities, Pedestrian Fatalities, Pedestrian Fatalities



Traffic Safety Performance (Core Outcome) Measures For North Carolina *

Core Outcome Measures		Year				
		2003	2004	2005	2006	2007
Traffic Fatalities	Total	1,553	1,573	1,547	1,554	1,675
	Rural	1,133	1,193	1,054	1,087	1,226
	Urban	420	380	493	467	442
	Unknown	0	0	0	0	7
Fatalities Per 100 Million Vehicle Miles Driven**	Total	1.66	1.64	1.53	1.53	
	Rural	2.44	2.53	2.75	2.86	
	Urban	0.89	0.78	0.78	0.74	
Passenger Vehicle Occupant Fatalities (All Seat Positions)	Total	1,230	1,198	1,149	1,181	1,237
	Restrained	610	574	532	575	584
	Unrestrained	531	516	522	534	540
	Unknown	89	108	95	72	113
Alcohol-Impaired Driving Fatalities (BAC=.08+)**		403	423	429	421	487
Speeding-Related Fatalities		573	567	562	538	620
Motorcyclist Fatalities	Total	108	136	152	150	201
	Helmeted	96	120	141	134	187
	Unhelmeted	11	14	11	14	14
	Unknown	1	2	0	2	0
Drivers Involved in Fatal Crashes	Total	2,167	2,174	2,130	2,106	2,214
	Aged Under 15	5	11	3	3	6
	Aged 15-20	290	315	286	264	264
	Aged Under 21	295	326	289	267	270
	Aged 21 and Over	1,844	1,825	1,811	1,819	1,920
	Unknown Age	28	23	30	20	24
Pedestrian Fatalities		153	161	164	172	171

*These Performance Measures Were Developed By The National Highway Traffic Safety Administration (NHTSA) and the Governors Highway Safety Association (GHSA) (See Publication: DOT HS 811 025)

**2007 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

***Based on the BAC of All Involved Drivers and Motorcycle Riders (Operators) Only

[Back To The Table of Contents](#)



Fatality Rates: North Carolina , U.S. and Best State

Year		Fatalities	Total Vehicle Miles Traveled (Millions)	Fatalities Per 100 Million Vehicle Miles Traveled	Total Population	Fatalities Per 100,000 Population
2003	North Carolina	1,553	93,759	1.66	8,421,149	18.44
	US	42,884	2,890,450	1.48	290,447,644	14.76
	Best State*			0.83		7.18
2004	North Carolina	1,573	95,903	1.64	8,538,378	18.42
	US	42,836	2,964,788	1.44	293,191,511	14.61
	Best State*			0.87		7.40
2005	North Carolina	1,547	101,268	1.53	8,679,089	17.82
	US	43,510	2,989,430	1.46	295,895,897	14.70
	Best State*			0.80		6.86
2006	North Carolina	1,554	101,515	1.53	8,869,442	17.52
	US	42,708	3,014,116	1.42	298,754,819	14.30
	Best State*			0.78		6.32
2007	North Carolina	1,675			9,061,032	18.49
	US	41,059	2,996,409	1.37	301,621,157	13.61
	Best State*					6.47

*State (or States) With Lowest Rates: Lowest VMT and Population Rates Could Be in Different States

2007 National VMT is a Preliminary Estimate and Subject to Change

2007 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

[Back To The Table of Contents](#)



Fatalities By The Highest Blood Alcohol Concentration (BAC) in the Crash**:
North Carolina , U.S. and Best State
(Old Definition)

Year		Total Fatalities in all Crashes	Highest BAC level in the Crash				
			BAC = .01+		BAC = .08+		Per 100 Million VMT
			Number	Percent	Number	Percent	
2003	North Carolina	1,553	528	34	452	29	0.48
	US	42,884	17,105	40	14,678	34	0.51
	Best State*			15		13	0.16
2004	North Carolina	1,573	549	35	488	31	0.51
	US	42,836	16,919	39	14,593	34	0.49
	Best State*			25		21	0.27
2005	North Carolina	1,547	562	36	495	32	0.49
	US	43,510	17,590	40	15,102	35	0.51
	Best State*			14		12	0.14
2006	North Carolina	1,554	562	36	484	31	0.48
	US	42,708	17,738	42	15,144	35	0.50
	Best State*			24		20	0.22
2007	North Carolina	1,675	638	38	555	33	
	US	41,059	17,036	41	14,575	35	0.49
	Best State*			23		19	

*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

**Based on the BAC of All Involved Drivers, Motorcycle Riders (Operators), Pedalcyclists and Pedestrians

2007 National VMT is a Preliminary Estimate and Subject to Change

2007 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

[Back To The Table of Contents](#)



Alcohol-Impaired Driving Fatalities**:
North Carolina , U.S. and Best State
(New Definition)

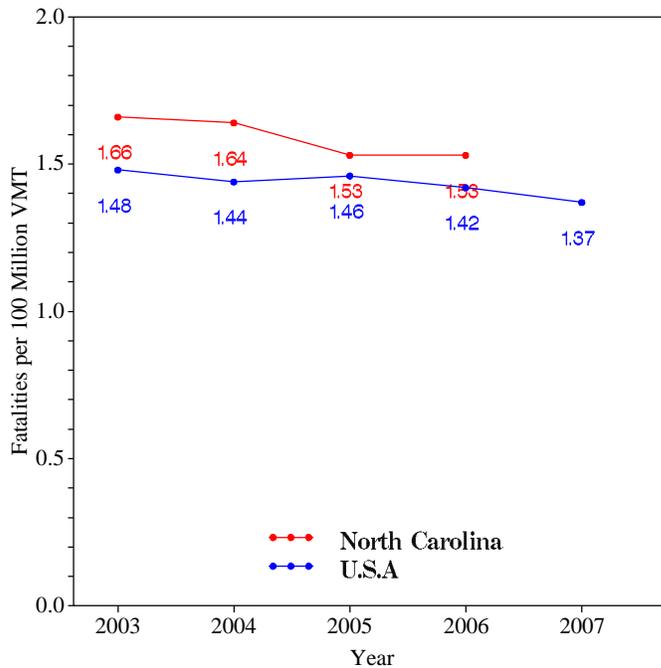
Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)		
			Number	Percent	Per 100 Million VMT
2003	North Carolina	1,553	403	26	0.43
	US	42,884	13,096	31	0.45
	Best State*			12	0.15
2004	North Carolina	1,573	423	27	0.44
	US	42,836	13,099	31	0.44
	Best State*			20	0.25
2005	North Carolina	1,547	429	28	0.42
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	North Carolina	1,554	421	27	0.41
	US	42,708	13,491	32	0.45
	Best State*			18	0.20
2007	North Carolina	1,675	487	29	
	US	41,059	12,998	32	0.43
	Best State*			17	

*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States
 **Based on the BAC of All Involved Drivers and Motorcycle Riders (Operators) Only
 2007 National VMT is a Preliminary Estimate and Subject to Change
 2007 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

[Back To The Table of Contents](#)

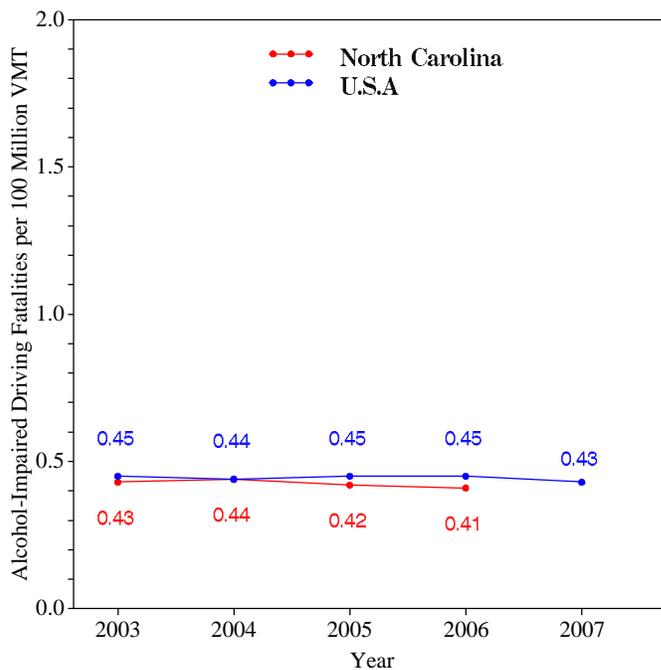


Fatalities per 100 Million VMT



[Back To The Table of Contents](#)

Alcohol-Impaired Driving Fatalities per 100 Million VMT



2007 National VMT is a Preliminary Estimate and Subject to Change
2007 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

[Back To The Table of Contents](#)



**Blood Alcohol Concentration (BAC) Reporting Rates
For Drivers/Motorcycle Riders (Operators)
Involved in Fatal Crashes:
North Carolina , U.S. and Best State**

Year		Surviving Drivers/Motorcycle Riders			Killed Drivers/Motorcycle Riders			Total Drivers/Motorcycle Riders		
		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS	
			Number	Percent		Number	Percent		Number	Percent
2003	North Carolina	1,176	14	1	991	922	93	2,167	936	43
	US	31,738	8,196	26	26,779	18,836	70	58,517	27,032	46
	Best State*			76			98			83
2004	North Carolina	1,158	11	1	1,016	956	94	2,174	967	44
	US	31,524	8,215	26	26,871	18,275	68	58,395	26,490	45
	Best State*			80			97			82
2005	North Carolina	1,118	19	2	1,012	856	85	2,130	875	41
	US	31,729	7,415	23	27,491	18,773	68	59,220	26,188	44
	Best State*			77			98			84
2006	North Carolina	1,097	12	1	1,009	907	90	2,106	919	44
	US	30,498	7,482	25	27,348	18,911	69	57,846	26,393	46
	Best State*			81			99			85
2007	North Carolina	1,072	10	1	1,142	559	49	2,214	569	26
	US	29,201	6,765	23	26,480	16,991	64	55,681	23,756	43
	Best State*			82			96			84

*State (or States) With Highest Percents: Highest Percents Could Be in Different States

[Back To The Table of Contents](#)



Daytime Front Seat (Outboard Only) Passenger Vehicle Occupants, Aged 5 and Over, by Restraint Use: Fatalities and Observed North Carolina , U.S. and Best State

Table with 4 columns: Year, State, Fatalities - Restrained** (Percent), Observed - Restrained*** (Percent). Rows include data for years 2003-2007 for North Carolina, US, and Best State*.

*State With Highest Percent. Fatal Crash and Observed Percents Can Be Different States

**Percent Based Only Where Restraint Use Was Known

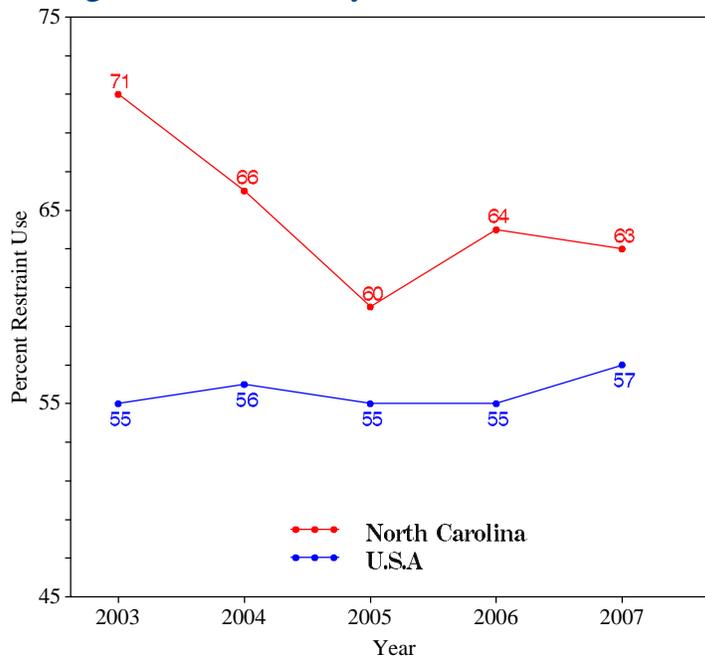
***USA Data: National Occupant Protection Use Survey. North Carolina Data: State Survey

Note: The Purpose of this Table is to Compare (as closely as possible) the Use of Restraint Systems by Fatally Injured Occupants with Occupants in all Driving Situations

Back To The Table of Contents



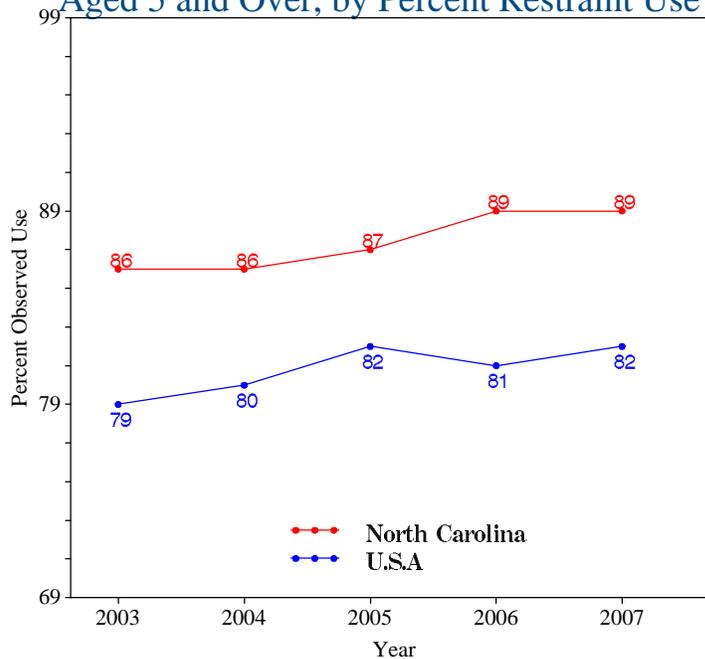
Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use*



*Percent Based Only Where Restraint Use Was Known

[Back To The Table of Contents](#)

Daytime Front Seat (Outboard Only) Passenger Vehicle Occupants Observed, Aged 5 and Over, by Percent Restraint Use*



*USA Data: National Occupant Protection Use Survey. North Carolina Data: State Survey

[Back To The Table of Contents](#)



Passenger Vehicle Occupant Fatalities Aged 5 and Above by Restraint Use and Lives Saved Estimates

Year	Fatalities Aged 5 and Above					Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Unknown Restraint Use	Percent Known Restrained*	Lives Saved at Current Belt Use	Potential Additional Lives Savable at 100% Usage
2003	1,210	599	523	88	53	710	189
2004	1,177	565	506	106	53	662	181
2005	1,133	522	516	95	50	628	166
2006	1,159	560	528	71	51	675	173
2007	1,224	575	536	113	52	729	177

*Percent Based Only Where Restraint Use Was Known

**Lives Saved Estimates

[Back To The Table of Contents](#)

Passenger Vehicle Occupant Fatalities Aged Under 5 by Restraint Use and Lives Saved Estimates

Year	Fatalities Aged Under 5					Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Unknown Restraint Use	Percent Known Restrained*	Lives Saved at Current Belt and Child Seat Usage	Potential Additional Lives Savable at 100% Usage
2003	17	10	6	1	63	2	4
2004	17	7	8	2	47	12	6
2005	14	9	5	0	64	12	3
2006	20	15	4	1	79	23	3
2007	12	9	3	0	75	12	

*Percent Based Only Where Restraint Use Was Known

**Lives Saved Estimates

[Back To The Table of Contents](#)



Motorcyclist Fatalities by Helmet Use and Lives Saved Estimates

Year	Fatalities					Lives Saved Estimates**	
	Total	Helmeted	Unhelmeted	Unknown Helmet Use	Percent Known Helmet*	Lives Saved at Current Helmet Use	Potential Additional Lives Savable at 100% Usage
2003	108	96	11	1	90	58	4
2004	136	120	14	2	90	72	5
2005	152	141	11	0	93	84	4
2006	150	134	14	2	91	81	5
2007	201	187	14	0	93	111	5

*Percent Based Only Where Helmet Use Was Known

**Lives Saved Estimates

[Back To The Table of Contents](#)



Fatalities by Person Type

Person Type		2003		2004		2005		2006		2007	
		#	%*	#	%*	#	%*	#	%*	#	%*
Occupants	Passenger Car	758	49	756	48	709	46	712	46	763	46
	Light Truck - Pickup	235	15	211	13	205	13	200	13	211	13
	Light Truck - Utility	161	10	159	10	177	11	198	13	189	11
	Light Truck - Van	76	5	71	5	58	4	70	5	73	4
	Light Truck - Other	0	0	1	0	0	0	1	0	1	0
	Large Truck	23	1	34	2	33	2	16	1	40	2
	Bus	0	0	1	0	0	0	0	0	0	0
	Other/Unknown Occupants	14	1	14	1	8	1	7	0	6	0
	Total Occupants	1,267	82	1,247	79	1,190	77	1,204	77	1,283	77
Motorcyclists	Total Motorcyclists	108	7	136	9	152	10	150	10	201	12
Nonoccupants	Pedestrian	153	10	161	10	164	11	172	11	171	10
	Bicyclist and Other Cyclist	20	1	25	2	36	2	21	1	18	1
	Other/Unknown Nonoccupants	5	0	4	0	5	0	7	0	2	0
	Total Nonoccupants	178	11	190	12	205	13	200	13	191	11
Total	Total	1,553	100	1,573	100	1,547	100	1,554	100	1,675	100

*Sum of Percents May Not = 100 Due to Individual Cell Rounding

[Back To The Table of Contents](#)



Fatalities by Crash Type

Crash Type	2003	2004	2005	2006	2007
Total Fatalities (All Crashes)*	1,553	1,573	1,547	1,554	1,675
- (1) Single Vehicle	791	833	855	905	952
- (2) Involving a Large Truck	162	200	204	152	168
- (3) Involving Speeding	573	567	562	538	620
- (4) Involving a Rollover	459	472	441	493	546
- (5) Involving a Roadway Departure	1,011	1,063	1,013	1,096	1,181
- (6) Involving an Intersection (or Intersection Related)	313	309	265	252	272

(1) Crash Involved Only One Coded Vehicle

(2) Crash Involved at Least One Large Truck

(3) Crash Involved at Least One Vehicle Speeding

(4) Crash Involved at Least One Vehicle That Rolled Over

(5) Crash Involved at Least One Vehicle That Departed the Roadway (FHWA Definition)

(6) Crash Occured Within an Intersection or Within the Approach to an Intersection

*A Fatality Can Be in More Than One Category. Therefore Sum of the Individual Cells Will Not Equal the Total Due to Double Counting

[Back To The Table of Contents](#)



Motorcyclist Fatalities by Age

Year	Age							Total
	<20	20-29	30-39	40-49	50-59	>59	Unknown	
2003	4	26	37	19	15	7	0	108
2004	13	35	27	30	22	9	0	136
2005	8	38	31	39	21	15	0	152
2006	9	34	49	29	18	11	0	150
2007	6	55	41	51	32	15	1	201

[Back To The Table of Contents](#)

Motorcyclist Fatalities Per 100,000 Registered Motorcycles

Year	Motorcyclist Fatalities	Total Motorcycle Registrations*	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2003	108	95,598	113.0
2004	136	100,366	135.5
2005	152	105,376	144.2
2006	150	110,628	135.6
2007	201		

*Data Source: FHWA

*2007 Motorcycle Registrations are Not Yet Available

[Back To The Table of Contents](#)



Fatalities by Person Type and Race/Hispanic Origin

Person Type by Race/Hispanic Origin		2003	2004	2005	2006
Occupants (All Vehicle Types)	Hispanic	141	150	126	119
	White Non-Hispanic	909	913	884	902
	Black, Non-Hispanic	260	252	261	272
	American Indian, Non-Hispanic/Unknown	27	28	24	36
	Asian, Non-Hispanic/Unknown	6	3	2	4
	All Other Non-Hispanic or Race	8	5	13	5
	Unknown Race and Unknown Hispanic	24	32	32	16
	Total	1,375	1,383	1,342	1,354
Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)					
	Hispanic	14	22	28	18
	White Non-Hispanic	102	95	111	113
	Black, Non-Hispanic	51	61	57	53
	American Indian, Non-Hispanic/Unknown	9	6	5	10
	Asian, Non-Hispanic/Unknown	0	0	2	2
	All Other Non-Hispanic or Race	0	1	0	0
	Unknown Race and Unknown Hispanic	2	5	2	4
Total	178	190	205	200	
Total	1,553	1,573	1,547	1,554	

2007 Race/Hispanic Origin Data is Not Yet Complete

[Back To The Table of Contents](#)



5 Year Trend For The Top 10 Counties of 2007 - Fatalities

Counties by 2007 Ranking		Fatalities					Percent of Total				
		2003	2004	2005	2006	2007	2003	2004	2005	2006	2007
1	Mecklenburg County	69	72	84	89	89	4	5	5	6	5
2	Robeson County	54	61	44	71	72	3	4	3	5	4
3	Guilford County	57	46	81	42	62	4	3	5	3	4
4	Wake County	75	71	60	78	61	5	5	4	5	4
5	Cumberland County	51	51	61	54	55	3	3	4	3	3
6	Johnston County	32	50	32	33	54	2	3	2	2	3
7	Gaston County	27	25	20	18	35	2	2	1	1	2
8	Randolph County	21	34	20	29	35	1	2	1	2	2
9	Davidson County	28	24	34	35	34	2	2	2	2	2
10	Union County	18	29	23	25	34	1	2	1	2	2
Sub Total 1.*	Top Ten Counties	484	490	499	510	531	31	31	32	33	32
Sub Total 2.**	All Other Counties	1,069	1,083	1,048	1,044	1,144	69	69	68	67	68
Total	All Counties	1,553	1,573	1,547	1,554	1,675	100	100	100	100	100

*This Sub Total is the Total for the Top Ten Counties

**This Sub Total is the Total for all Counties Outside the Top Ten

[Back To The Table of Contents](#)



5 Year Trend For The Top 10 Counties of 2007 - Fatalities Year to Year Percent Change

Counties by 2007 Ranking		Fatalities					Percent Change From Previous Year			
		2003	2004	2005	2006	2007	2004	2005	2006	2007
1	Mecklenburg County	69	72	84	89	89	4	17	6	0
2	Robeson County	54	61	44	71	72	13	-28	61	1
3	Guilford County	57	46	81	42	62	-19	76	-48	48
4	Wake County	75	71	60	78	61	-5	-15	30	-22
5	Cumberland County	51	51	61	54	55	0	20	-11	2
6	Johnston County	32	50	32	33	54	56	-36	3	64
7	Gaston County	27	25	20	18	35	-7	-20	-10	94
8	Randolph County	21	34	20	29	35	62	-41	45	21
9	Davidson County	28	24	34	35	34	-14	42	3	-3
10	Union County	18	29	23	25	34	61	-21	9	36
Sub Total 1.*	Top Ten Counties	484	490	499	510	531	1	2	2	4
Sub Total 2.**	All Other Counties	1,069	1,083	1,048	1,044	1,144	1	-3	-0	10
Total	All Counties	1,553	1,573	1,547	1,554	1,675	1	-2	0	8

*This Sub Total is the Total for the Top Ten Counties

**This Sub Total is the Total for all Counties Outside the Top Ten

[Back To The Table of Contents](#)



5 Year Trend For The Top 10 Counties of 2007 - Fatality Rates

Median Rate for all U.S. Counties: 21.77

Counties by 2007 Ranking		Fatalities Per 100,000 Population				
		2003	2004	2005	2006	2007
1	Warren County	60.75	45.60	81.16	41.18	61.82
2	Currituck County	19.41	27.43	30.52	34.03	58.43
3	Robeson County	43.32	48.86	34.85	55.88	56.18
4	Bladen County	37.15	36.80	36.82	52.49	55.73
5	Caswell County	34.01	12.81	29.99	42.76	51.59
6	Mitchell County	0.00	18.88	6.33	25.47	50.68
7	Tyrrell County	23.47	0.00	48.43	0.00	48.53
8	Bertie County	25.99	73.09	42.12	69.59	48.38
9	Anson County	31.93	27.49	27.49	27.66	43.65
10	Gates County	74.95	27.99	81.20	8.75	42.60
	Sub Rate 1.* <i>Top Ten Counties</i>	47.27	48.94	48.92	49.64	53.88
	Sub Rate 2.** <i>All Other Counties</i>	17.04	16.73	16.99	15.89	17.26
	Total Rate <i>All Counties</i>	18.44	18.42	17.82	17.52	18.49

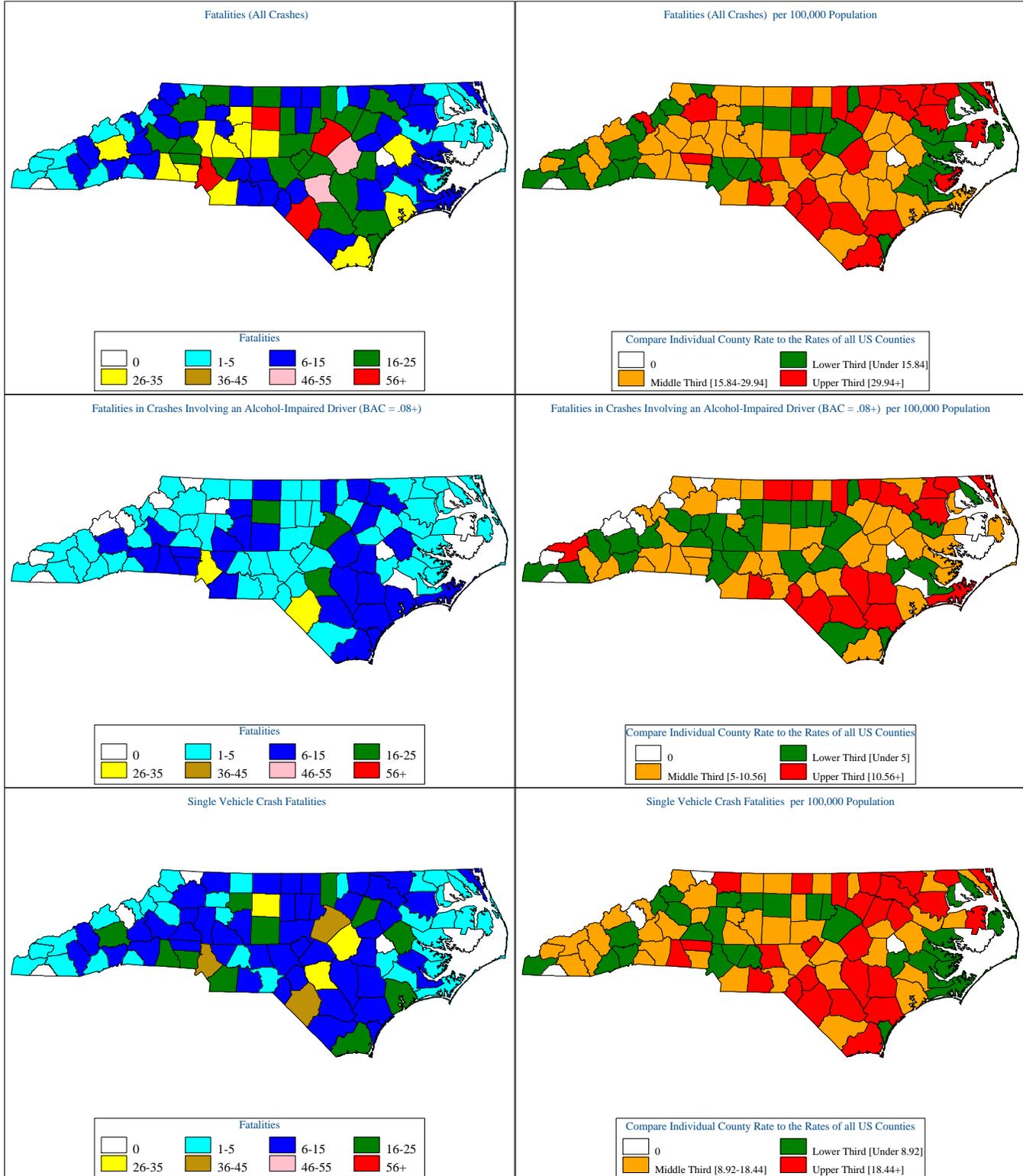
*This Sub Rate is the Rate for the Top Ten Counties

**This Sub Rate is the Rate for all Counties Outside the Top Ten

[Back To The Table of Contents](#)



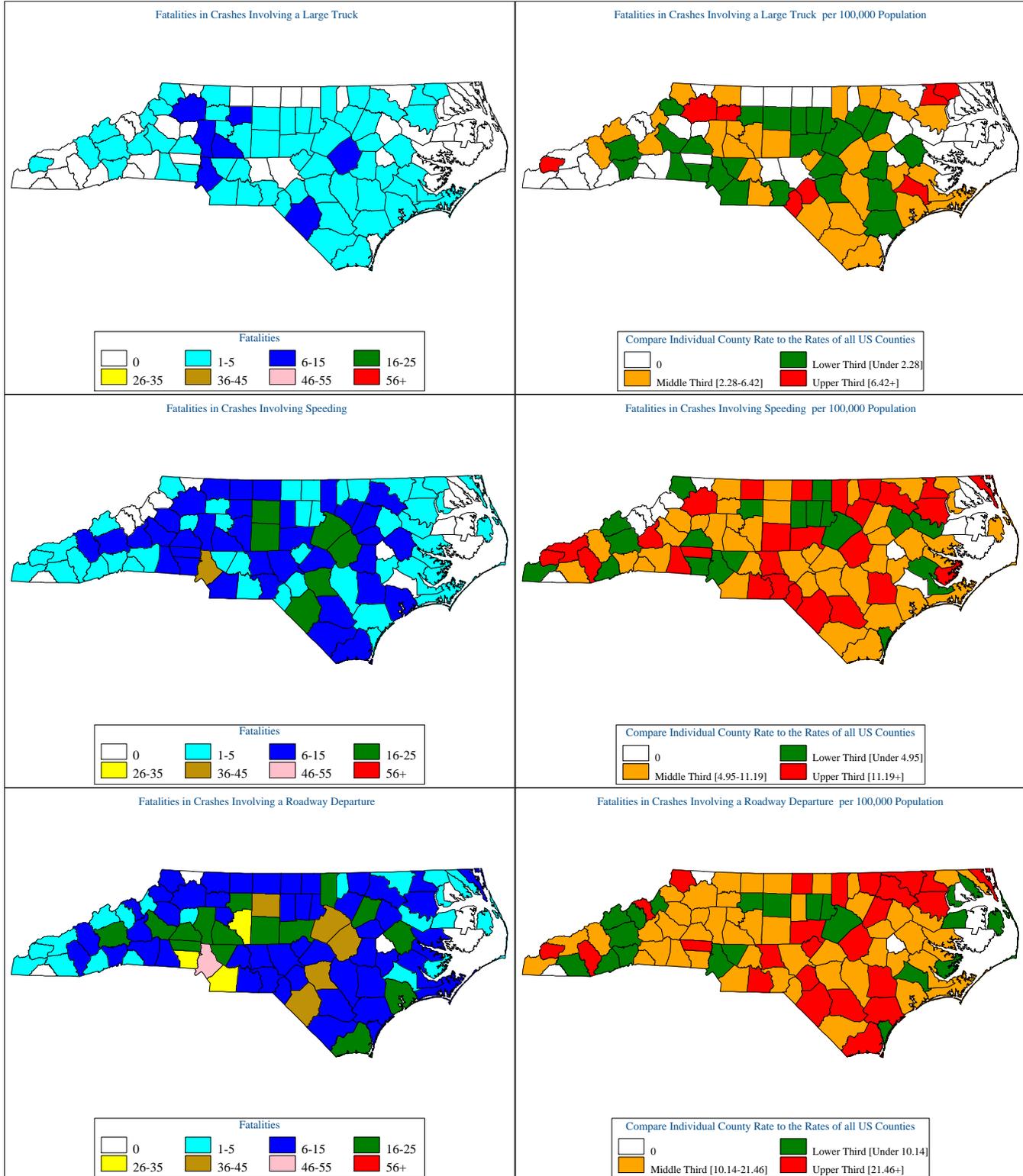
North Carolina Motor Vehicle Crash Fatality Maps for 2007



[Back To The Table of Contents](#)



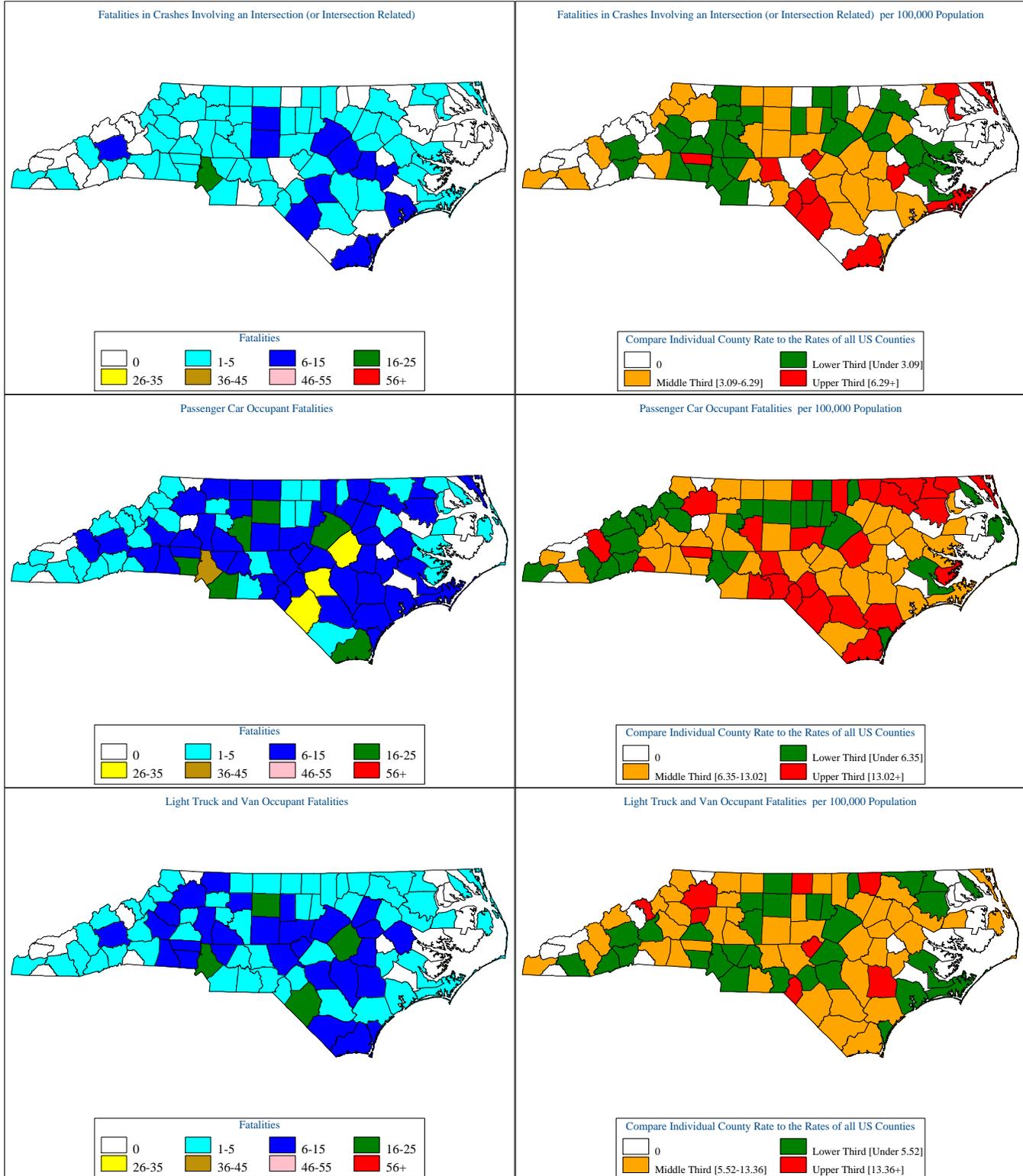
North Carolina Motor Vehicle Crash Fatality Maps for 2007



[Back To The Table of Contents](#)



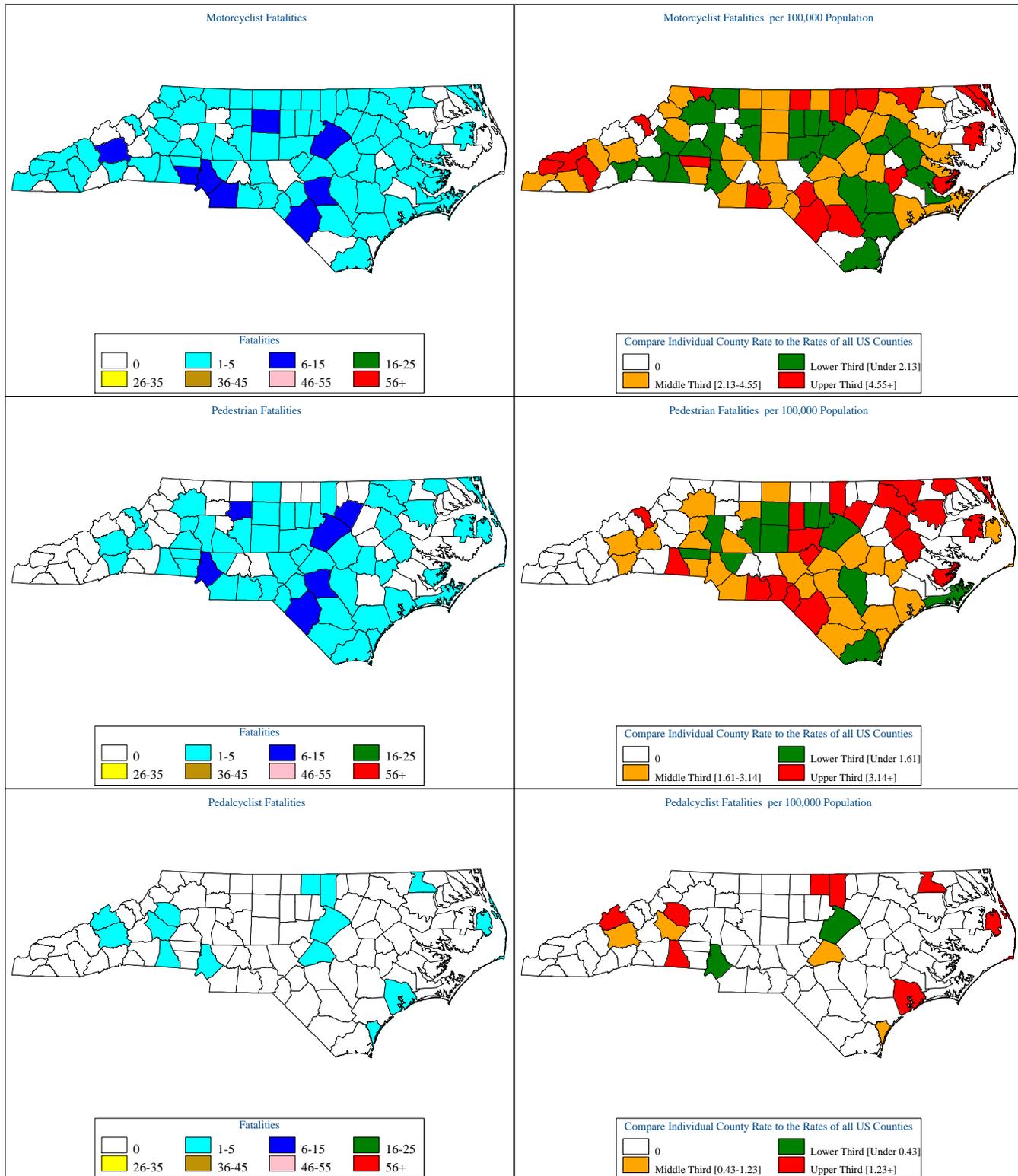
North Carolina Motor Vehicle Crash Fatality Maps for 2007



[Back To The Table of Contents](#)



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[Back To The Table of Contents](#)