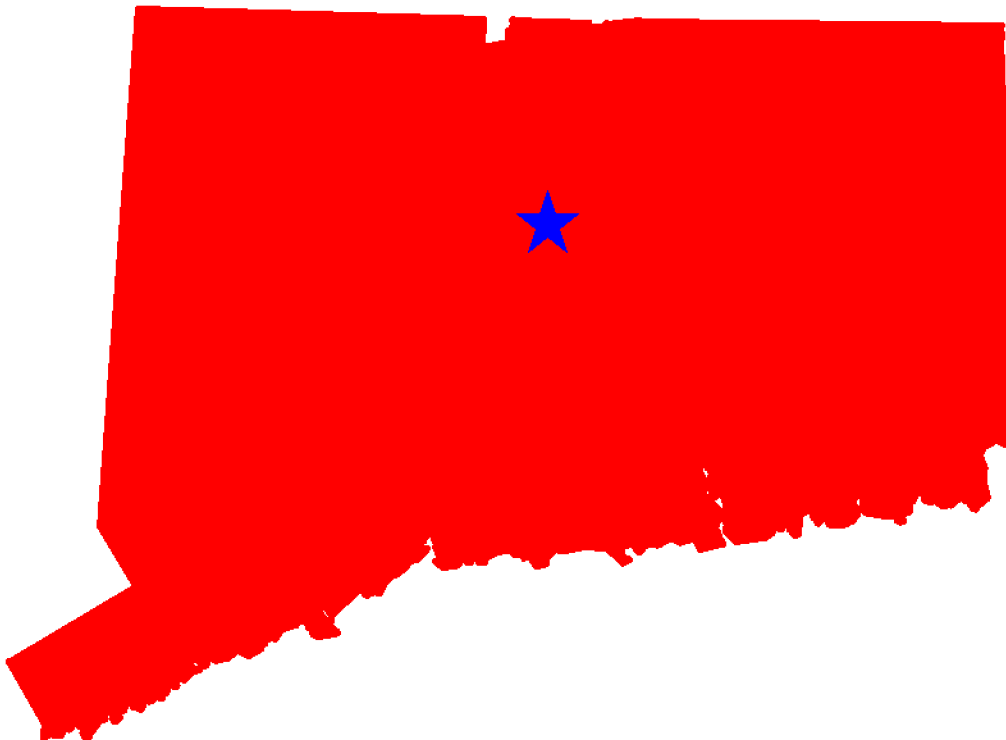




## Traffic Safety Facts Connecticut 2005-2009



This Report Contains Data From the Following Sources:

- Fatality Data - NCSA Fatality Analysis Reporting System (FARS): 2005-2008 Final File and 2009 Annual Report File (ARF)
- Observed Safety Belt Data - NCSA National Occupant Protection Use Survey (NOPUS) and the Connecticut State Survey
- Vehicle Miles of Travel Data and Motorcycle Registrations - Federal Highway Administration (FHWA)
- Population Data - U.S. Bureau of the Census



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## Traffic Safety Performance (Core Outcome) Measures\* For Connecticut

Core Outcome Measures		Year				
		2005	2006	2007	2008	2009
<b>Traffic Fatalities</b>	<b>Total</b>	278	311	296	302	223
	<b>Rural</b>	50	49	47	55	36
	<b>Urban</b>	228	262	249	247	187
	<b>Unknown</b>	0	0	0	0	0
<b>Fatalities Per 100 Million Vehicle Miles Driven</b>	<b>Total</b>	0.88	0.98	0.92	0.95	0.71
	<b>Rural</b>	1.26	1.26	1.18	1.38	0.91
	<b>Urban</b>	0.82	0.94	0.89	0.89	0.68
<b>Passenger Vehicle Occupant Fatalities (All Seat Positions)</b>	<b>Total</b>	187	207	208	183	149
	<b>Restrained</b>	75	93	97	77	58
	<b>Unrestrained</b>	87	72	84	77	69
	<b>Unknown</b>	25	42	27	29	22
<b>Alcohol-Impaired Driving Fatalities (BAC=.08+)**</b>		98	113	111	95	99
<b>Speeding-Related Fatalities</b>		96	95	99	99	103
<b>Motorcyclist Fatalities</b>	<b>Total</b>	43	57	43	63	45
	<b>Helmeted</b>	14	20	15	20	17
	<b>Unhelmeted</b>	27	36	28	42	27
	<b>Unknown</b>	2	1	0	1	1
<b>Drivers Involved in Fatal Crashes</b>	<b>Total</b>	405	452	403	404	300
	<b>Aged Under 15</b>	1	0	0	0	1
	<b>Aged 15-20</b>	45	61	54	37	31
	<b>Aged Under 21</b>	46	61	54	37	32
	<b>Aged 21 and Over</b>	357	383	345	362	267
	<b>Unknown Age</b>	2	8	4	5	1
<b>Pedestrian Fatalities</b>		34	38	32	47	26

\*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)

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

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### Fatality Rates: Connecticut , 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
2005	Connecticut	278	31,675	0.88	3,477,416	7.99
	US	43,510	2,989,430	1.46	295,753,151	14.71
	Best State*			0.80		6.83
2006	Connecticut	311	31,743	0.98	3,485,162	8.92
	US	42,708	3,014,371	1.42	298,593,212	14.30
	Best State*			0.78		6.34
2007	Connecticut	296	32,053	0.92	3,488,633	8.48
	US	41,259	3,031,124	1.36	301,579,895	13.68
	Best State*			0.79		6.54
2008	Connecticut	302	31,737	0.95	3,502,932	8.62
	US	37,423	2,976,528	1.26	304,374,846	12.30
	Best State*			0.67		5.56
2009	Connecticut	223	31,420	0.71	3,518,288	6.34
	US	33,808	2,953,501	1.14	307,006,550	11.01
	Best State*			0.61		4.84

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

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

Year		Total Fatalities in all Crashes	Highest BAC level in the Crash					
			BAC = .01+			BAC = .08+		
			Number	Percent	Per 100 Million VMT	Number	Percent	Per 100 Million VMT
2005	Connecticut	278	130	47	0.41	109	39	0.34
	US	43,510	17,590	40	0.59	15,102	35	0.51
	Best State*			14	0.16		12	0.14
2006	Connecticut	311	138	44	0.43	122	39	0.38
	US	42,708	17,738	42	0.59	15,144	35	0.50
	Best State*			24	0.26		20	0.22
2007	Connecticut	296	137	46	0.43	119	40	0.37
	US	41,259	17,158	42	0.57	14,603	35	0.48
	Best State*			24	0.27		21	0.23
2008	Connecticut	302	128	42	0.40	105	35	0.33
	US	37,423	15,449	41	0.52	13,258	35	0.45
	Best State*			21	0.21		16	0.16
2009	Connecticut	223	119	53	0.38	104	47	0.33
	US	33,808	14,188	42	0.48	12,233	36	0.41
	Best State*			23	0.22		18	0.16

\*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

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Alcohol-Impaired Driving Fatalities\*\*:  
Connecticut, 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
2005	Connecticut	278	98	35	0.31
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	Connecticut	311	113	36	0.36
	US	42,708	13,491	32	0.45
	Best State*			18	0.20
2007	Connecticut	296	111	38	0.35
	US	41,259	13,041	32	0.43
	Best State*			19	0.21
2008	Connecticut	302	95	31	0.30
	US	37,423	11,711	31	0.39
	Best State*			16	0.16
2009	Connecticut	223	99	44	0.32
	US	33,808	10,839	32	0.37
	Best State*			16	0.15

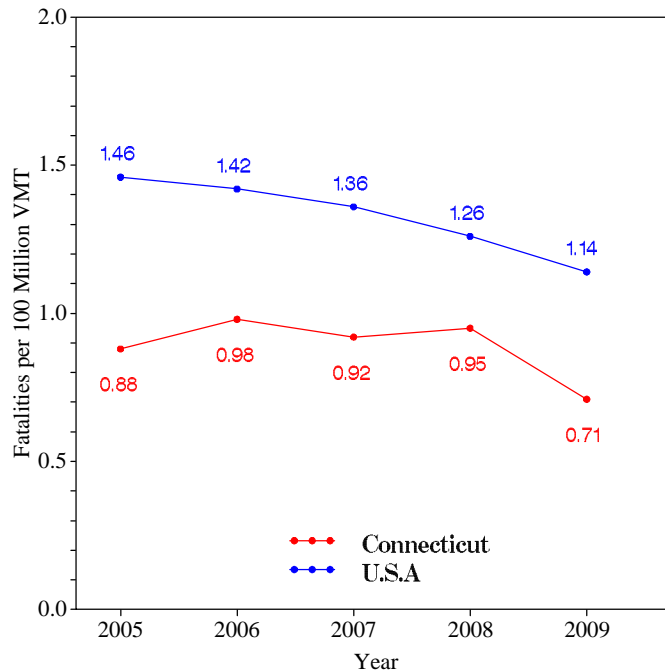
\*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

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

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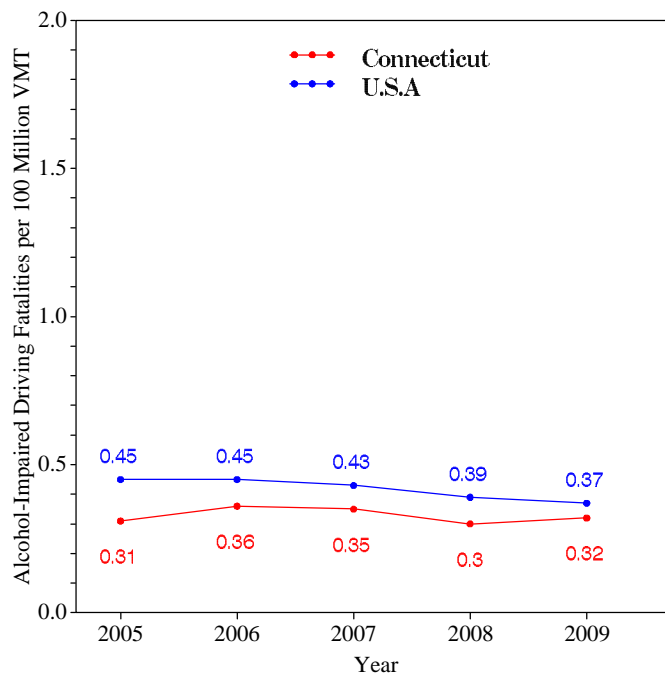


### Fatalities per 100 Million VMT



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### Alcohol-Impaired Driving Fatalities per 100 Million VMT



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**Blood Alcohol Concentration (BAC) Reporting Rates  
For Drivers/Motorcycle Riders (Operators)  
Involved in Fatal Crashes:  
Connecticut , 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
2005	Connecticut	225	54	24	180	126	70	405	180	44
	US	31,729	7,415	23	27,491	18,773	68	59,220	26,188	44
	Best State*			77			98			84
2006	Connecticut	232	62	27	220	190	86	452	252	56
	US	30,498	7,482	25	27,348	18,911	69	57,846	26,393	46
	Best State*			81			99			85
2007	Connecticut	210	68	32	193	171	89	403	239	59
	US	29,449	7,631	26	26,570	19,434	73	56,019	27,065	48
	Best State*			82			100			84
2008	Connecticut	207	75	36	197	170	86	404	245	61
	US	26,162	7,656	29	24,254	18,415	76	50,416	26,071	52
	Best State*			81			99			85
2009	Connecticut	143	33	23	157	122	78	300	155	52
	US	23,432	6,372	27	21,798	15,505	71	45,230	21,877	48
	Best State*			86			97			90

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

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

Table with 4 columns: Year, State, Fatalities - Restrained\*\*, Observed - Restrained\*\*\*. Rows include years 2005-2009 and states Connecticut, 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

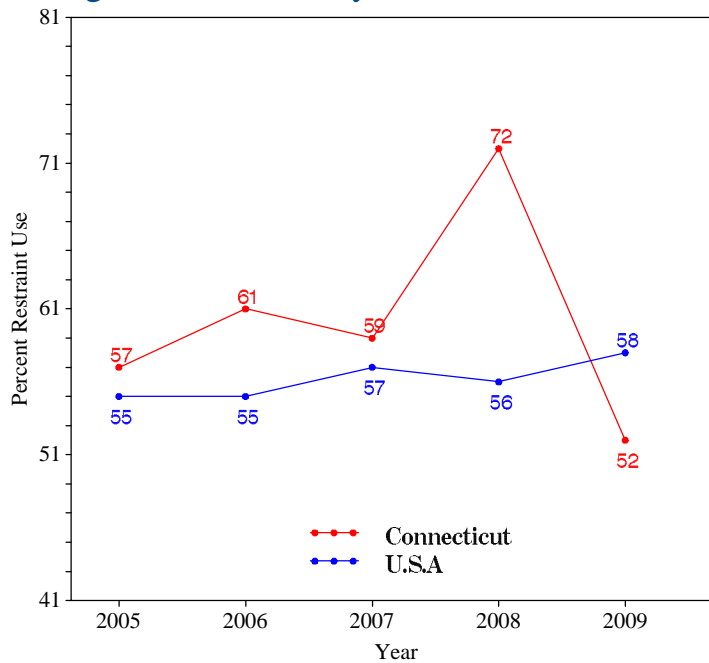
\*\*\*USA Data: National Occupant Protection Use Survey. Connecticut Data: State Survey

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

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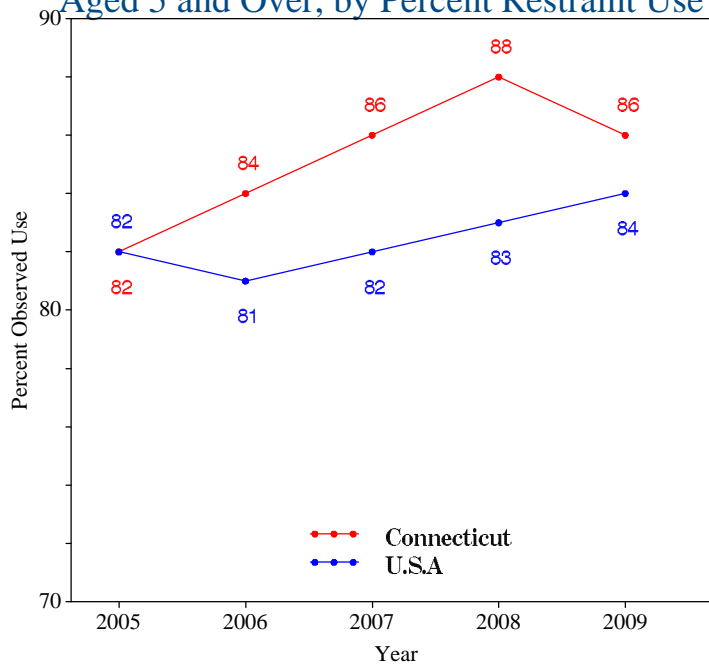
### Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use\*



\*Percent Based Only Where Restraint Use Was Known

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



\*USA Data: National Occupant Protection Use Survey. Connecticut Data: State Survey

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

Year	Fatalities Age 5 and Above					Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Unknown Restraint Use	Percent Known Restrained*	Lives Saved at Current Belt Use	Additional Lives Savable at 100% Belt Usage
2005	185	75	86	24	47	88	31
2006	205	91	72	42	56	117	37
2007	206	97	83	26	54	101	31
2008	182	77	76	29	50	100	27
2009	147	58	67	22	46	77	24

\*Percent Based Only Where Restraint Use Was Known

\*\*Lives Saved Estimates (Sum of columns may not equal other published numbers due to rounding)

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### Passenger Vehicle Occupant Fatalities Age 4 and Under by Restraint Use and Lives Saved Estimates

Year	Fatalities Age 4 and Under					Lives Saved Estimates**
	Total	Restrained	Unrestrained	Unknown Restraint Use	Percent Known Restrained*	Lives Saved at Current Seat Belt and Child Safety Seat Usage
2005	2	0	1	1	0	0
2006	2	2	0	0	100	3
2007	1	0	1	0	0	0
2008	1	0	1	0	0	0
2009	1	0	1	0	0	0

\*Percent Based Only Where Restraint Use Was Known

\*\*Lives Saved Estimates

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### Motorcyclist Fatalities by Helmet Use and Lives Saved Estimates

Year	Fatalities					Lives Saved Estimates**	
	Total	Helmeted	Unhelmeted	Unknown Helmet Use	Percent Known Helmeted*	Lives Saved at Current Helmet Use	Additional Lives Savable at 100% Helmet Usage
2005	43	14	27	2	34	9	10
2006	57	20	36	1	36	11	13
2007	43	15	28	0	35	8	10
2008	63	20	42	1	32	12	16
2009	45	17	27	1	39	10	10

\*Percent Based Only Where Helmet Use Was Known

\*\*Lives Saved Estimates (Sum of columns may not equal other published numbers due to rounding)

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### Fatalities by Person Type

Person Type		2005		2006		2007		2008		2009	
		#	%*	#	%*	#	%*	#	%*	#	%*
<b>Occupants</b>	<b>Passenger Car</b>	139	50	160	51	156	53	128	42	103	46
	<b>Light Truck - Pickup</b>	20	7	16	5	16	5	13	4	13	6
	<b>Light Truck - Utility</b>	22	8	20	6	30	10	29	10	26	12
	<b>Light Truck - Van</b>	6	2	11	4	6	2	13	4	7	3
	<b>Large Truck</b>	6	2	2	1	5	2	2	1	2	1
	<b>Other/Unknown Occupants</b>	3	1	2	1	2	1	1	0	0	0
	<b>Total Occupants</b>	196	71	211	68	215	73	186	62	151	68
<b>Motorcyclists</b>	<b>Total Motorcyclists</b>	43	15	57	18	43	15	63	21	45	20
<b>Nonoccupants</b>	<b>Pedestrian</b>	34	12	38	12	32	11	47	16	26	12
	<b>Bicyclist and Other Cyclist</b>	3	1	5	2	5	2	6	2	1	0
	<b>Other/Unknown Nonoccupants</b>	2	1	0	0	1	0	0	0	0	0
	<b>Total Nonoccupants</b>	39	14	43	14	38	13	53	18	27	12
<b>Total</b>	<b>Total</b>	278	100	311	100	296	100	302	100	223	100

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

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### Fatalities by Crash Type

Crash Type	2005	2006	2007	2008	2009
<b>Total Fatalities (All Crashes)*</b>	278	311	296	302	223
<b>- (1) Single Vehicle</b>	171	176	165	192	143
<b>- (2) Involving a Large Truck</b>	21	29	28	24	13
<b>- (3) Involving Speeding</b>	96	95	99	99	103
<b>- (4) Involving a Rollover</b>	75	58	63	63	35
<b>- (5) Involving a Roadway Departure</b>	148	158	157	161	126
<b>- (6) Involving an Intersection (or Intersection Related)</b>	50	73	63	61	51

(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

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### Motorcyclist Fatalities by Age

Year	Age						Total
	<20	20-29	30-39	40-49	50-59	>59	
2005	1	9	8	17	6	2	43
2006	3	23	9	11	8	3	57
2007	2	10	9	13	7	2	43
2008	3	20	13	14	11	2	63
2009	1	17	9	11	6	1	45

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### Motorcyclist Fatalities Per 100,000 Registered Motorcycles

Year	Motorcyclist Fatalities	Total Motorcycle Registrations*	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2005	43	65,110	66.04
2006	57	64,959	87.75
2007	43	64,848	66.31
2008	63	65,845	95.68
2009	45	65,356	68.85

\*Data Source: FHWA

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### Fatalities by Person Type and Race/Hispanic Origin

Person Type by Race/Hispanic Origin		2005	2006	2007	2008
<b>Occupants (All Vehicle Types)</b>	<b>Hispanic</b>	6	29	13	16
	<b>White Non-Hispanic</b>	182	204	204	181
	<b>Black, Non-Hispanic</b>	23	19	21	25
	<b>American Indian, Non-Hispanic/Unknown</b>	0	0	0	1
	<b>Asian, Non-Hispanic/Unknown</b>	0	2	2	3
	<b>All Other Non-Hispanic or Race</b>	1	2	2	0
	<b>Unknown Race and Unknown Hispanic</b>	27	12	16	23
	<b>Total</b>	239	268	258	249
<b>Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)</b>					
	<b>Hispanic</b>	3	2	2	2
	<b>White Non-Hispanic</b>	30	31	20	38
	<b>Black, Non-Hispanic</b>	3	7	7	5
	<b>American Indian, Non-Hispanic/Unknown</b>	0	0	0	0
	<b>Asian, Non-Hispanic/Unknown</b>	0	1	1	1
	<b>All Other Non-Hispanic or Race</b>	0	0	0	0
	<b>Unknown Race and Unknown Hispanic</b>	3	2	8	7
<b>Total</b>	39	43	38	53	
<b>Total</b>	278	311	296	302	

2009 Race/Hispanic Origin Data is Not Yet Complete

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### 5 Year Trend For The Top 10 Counties of 2009 - Fatalities

Counties by 2009 Ranking		Fatalities					Percent of Total				
		2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
1	<b>New Haven County</b>	69	65	75	94	58	25	21	25	31	26
2	<b>Hartford County</b>	53	83	66	69	46	19	27	22	23	21
3	<b>Fairfield County</b>	56	58	53	49	42	20	19	18	16	19
4	<b>New London County</b>	25	40	39	21	25	9	13	13	7	11
5	<b>Windham County</b>	13	23	13	23	24	5	7	4	8	11
6	<b>Middlesex County</b>	20	17	15	15	14	7	5	5	5	6
7	<b>Litchfield County</b>	20	17	19	16	7	7	5	6	5	3
8	<b>Tolland County</b>	22	8	16	15	7	8	3	5	5	3
<b>Sub Total 1.*</b>	<b>Top Ten Counties</b>	278	311	296	302	223	100	100	100	100	100
<b>Total</b>	<b>All Counties</b>	278	311	296	302	223	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

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## 5 Year Trend For The Top 10 Counties of 2009 - Fatalities Year to Year Percent Change

Counties by 2009 Ranking		Fatalities					Percent Change From Previous Year			
		2005	2006	2007	2008	2009	2006	2007	2008	2009
1	<b>New Haven County</b>	69	65	75	94	58	-6	15	25	-38
2	<b>Hartford County</b>	53	83	66	69	46	57	-20	5	-33
3	<b>Fairfield County</b>	56	58	53	49	42	4	-9	-8	-14
4	<b>New London County</b>	25	40	39	21	25	60	-3	-46	19
5	<b>Windham County</b>	13	23	13	23	24	77	-43	77	4
6	<b>Middlesex County</b>	20	17	15	15	14	-15	-12	0	-7
7	<b>Litchfield County</b>	20	17	19	16	7	-15	12	-16	-56
8	<b>Tolland County</b>	22	8	16	15	7	-64	100	-6	-53
<b>Sub Total 1.*</b>	<b>Top Ten Counties</b>	278	311	296	302	223	12	-5	2	-26
<b>Total</b>	<b>All Counties</b>	278	311	296	302	223	12	-5	2	-26

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

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

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### 5 Year Trend For The Top 10 Counties of 2009 - Fatality Rates

Median Rate for all U.S. Counties: 18.23

Counties by 2009 Ranking		Fatalities Per 100,000 Population				
		2005	2006	2007	2008	2009
1	Windham County	11.29	19.79	11.14	19.61	20.42
2	New London County	9.42	14.91	14.75	7.90	9.37
3	Middlesex County	12.34	10.41	9.14	9.09	8.45
4	New Haven County	8.22	7.73	8.89	11.12	6.84
5	Hartford County	6.09	9.52	7.55	7.87	5.23
6	Fairfield County	6.28	6.53	5.96	5.48	4.66
7	Tolland County	15.02	5.42	10.80	10.01	4.65
8	Litchfield County	10.65	9.02	10.08	8.48	3.71
<i>Sub Rate 1.*</i>	<i>Top Ten Counties</i>	7.99	8.92	8.48	8.62	6.34
<i>Total Rate</i>	<i>All Counties</i>	7.99	8.92	8.48	8.62	6.34

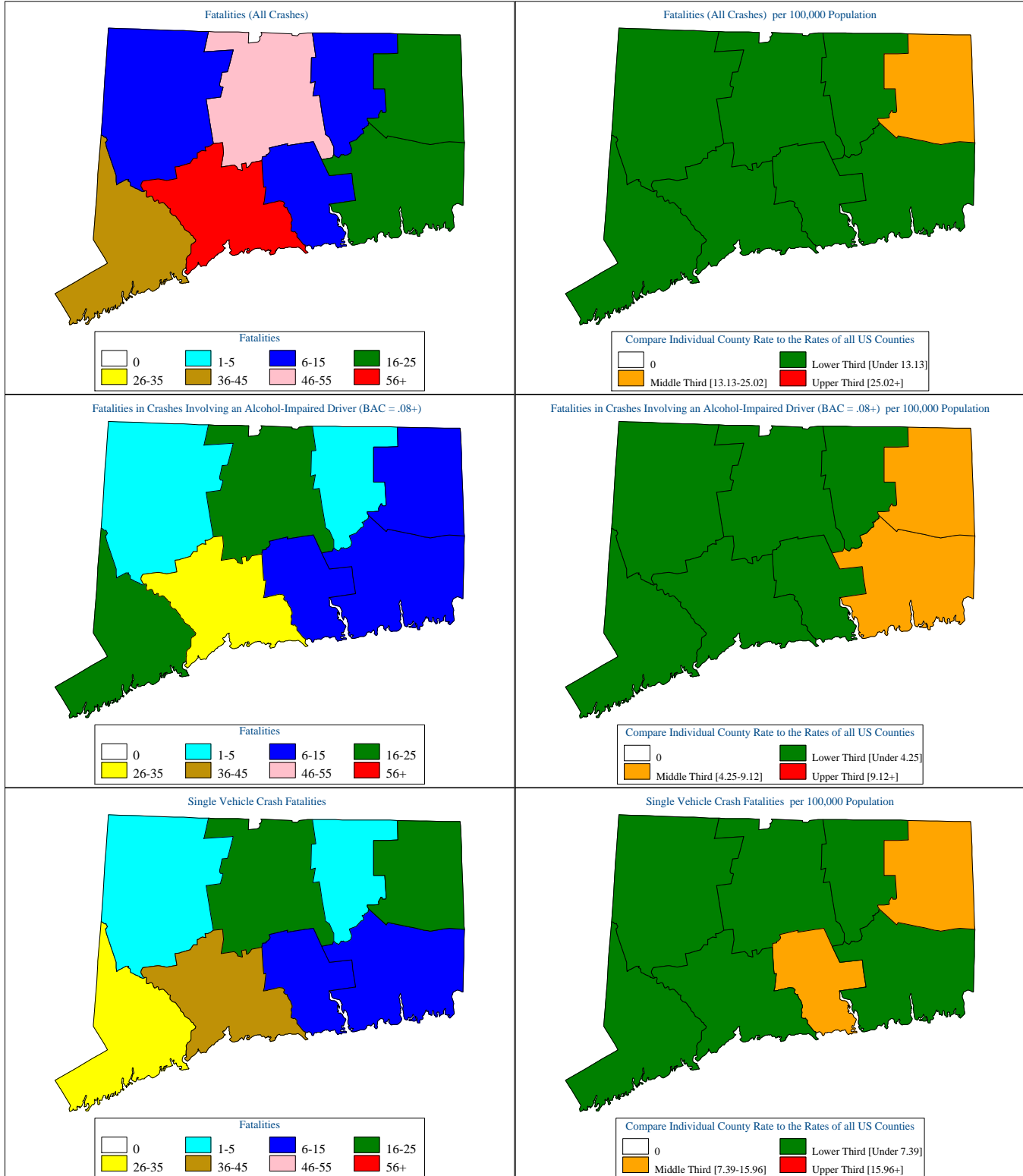
\*This Sub Rate is the Rate for the Top Ten Counties

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

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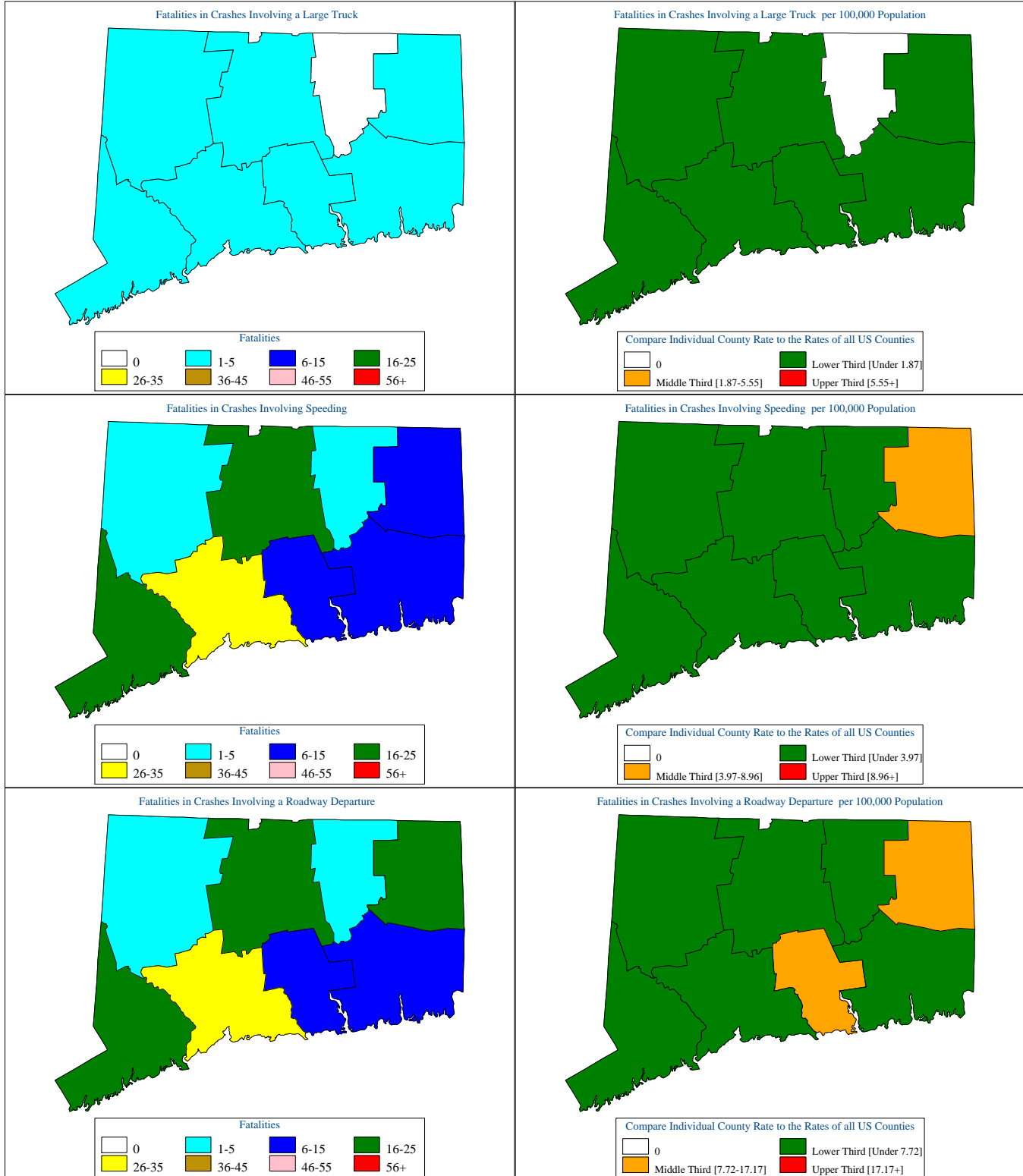
### Connecticut Motor Vehicle Crash Fatality Maps for 2009



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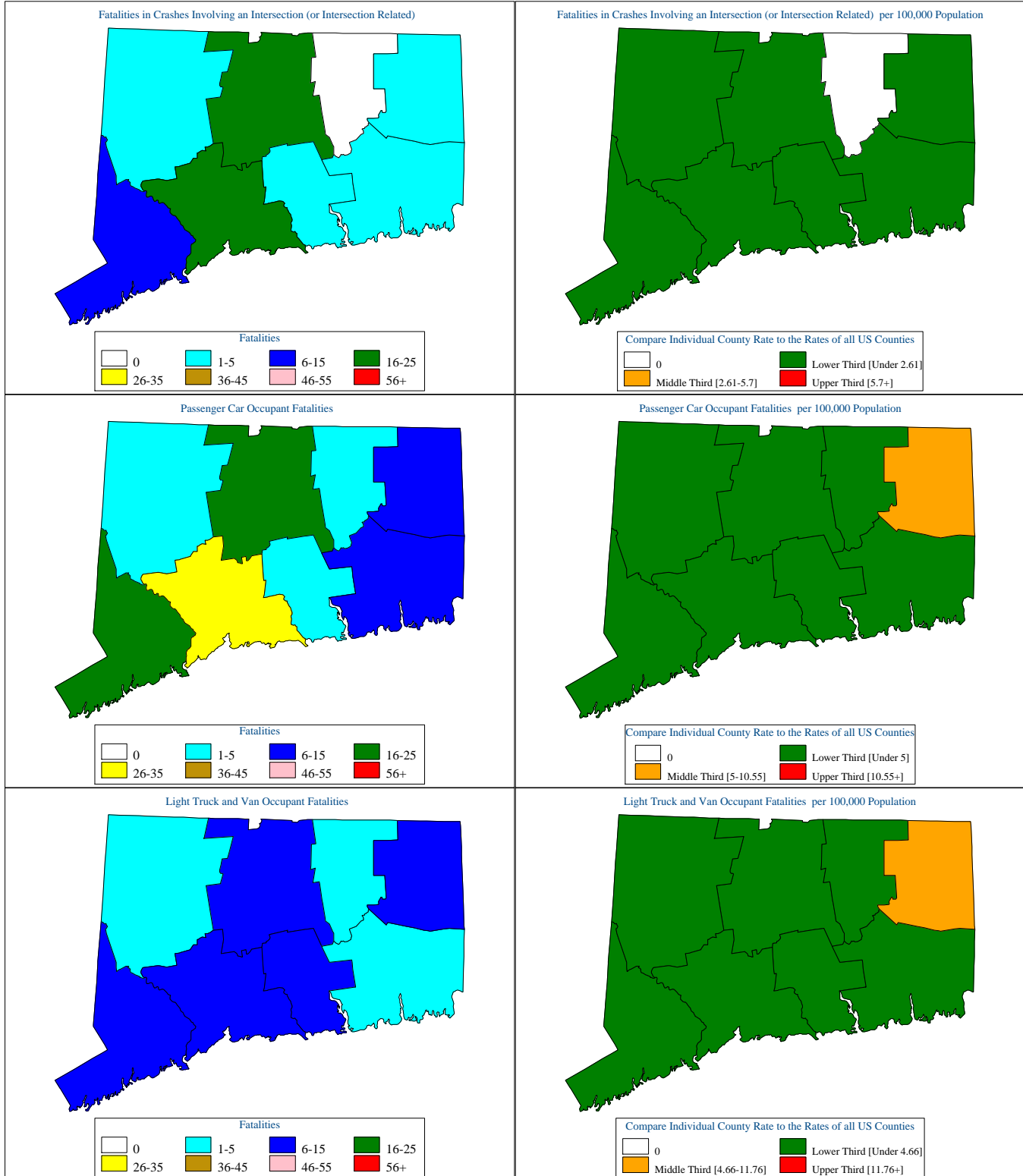
### Connecticut Motor Vehicle Crash Fatality Maps for 2009



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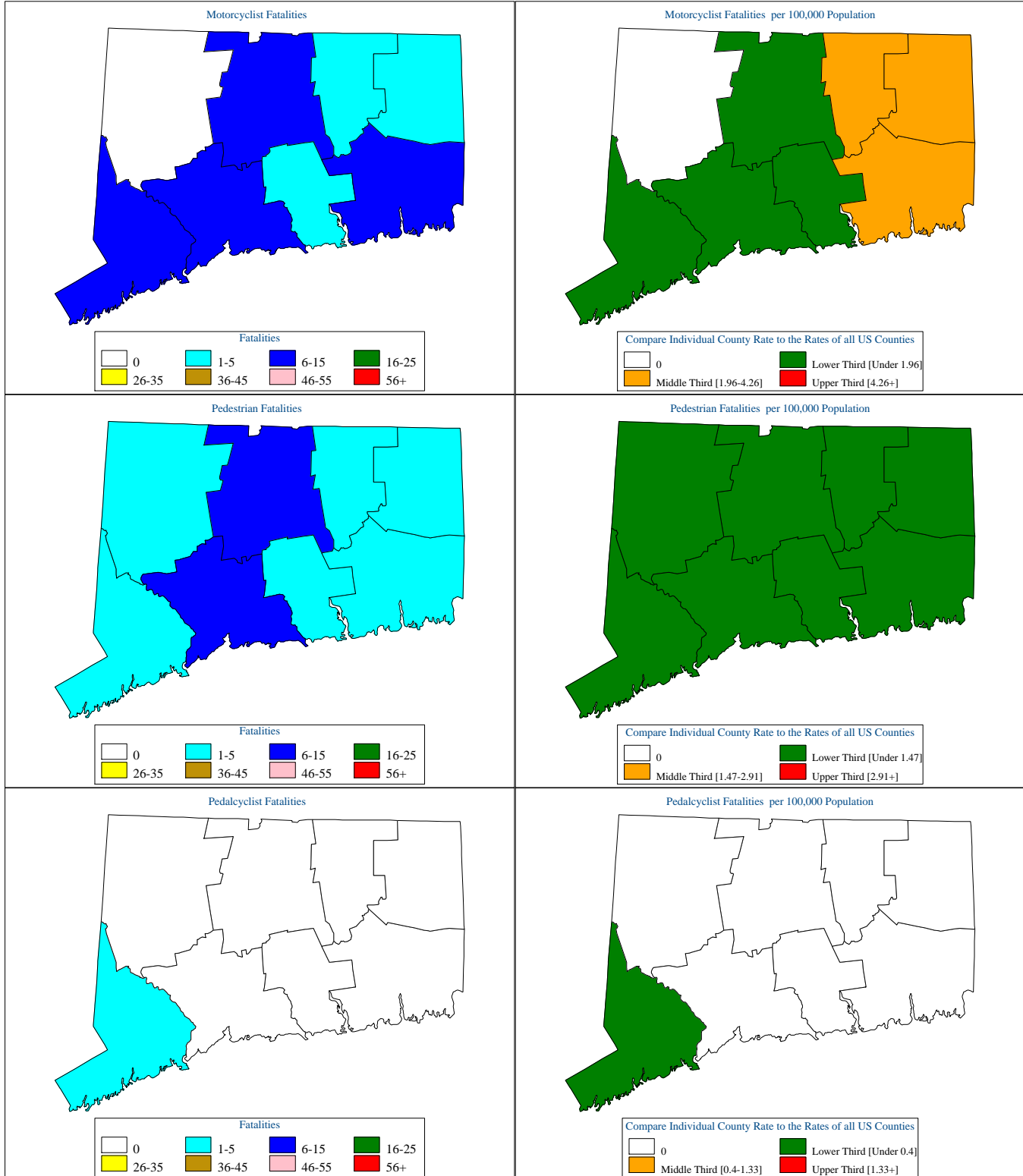
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