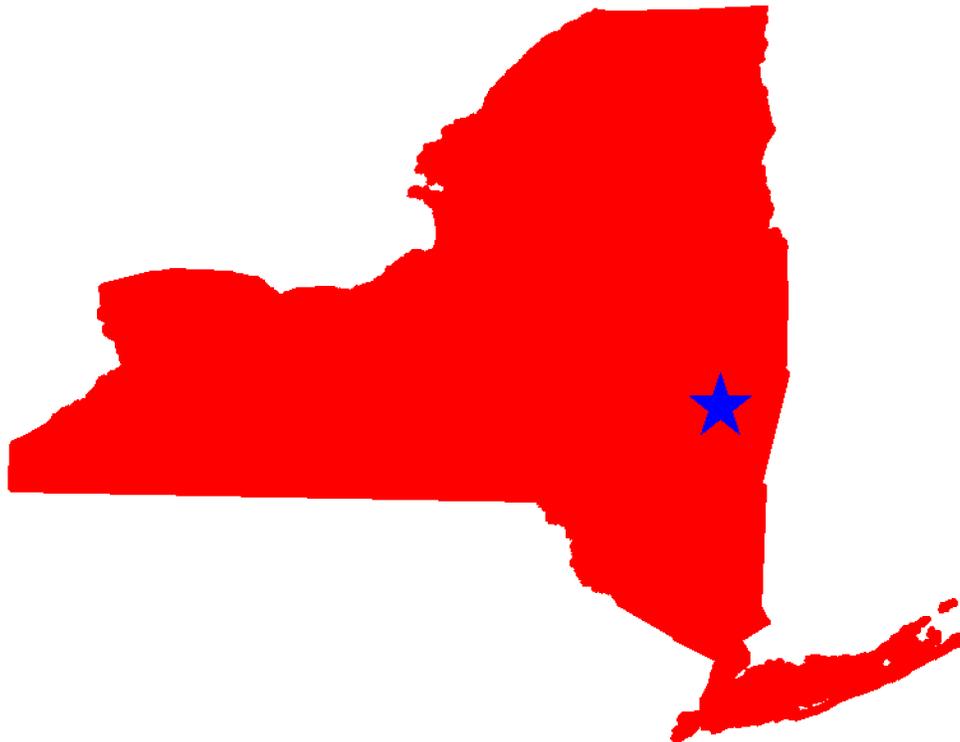




## Traffic Safety Facts New York 2003-2007



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 New York 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 New York \*

Core Outcome Measures		Year				
		2003	2004	2005	2006	2007
<b>Traffic Fatalities</b>	<b>Total</b>	1,493	1,495	1,434	1,454	1,333
	<b>Rural</b>	577	577	566	608	673
	<b>Urban</b>	913	917	866	846	660
	<b>Unknown</b>	3	1	2	0	0
<b>Fatalities Per 100 Million Vehicle Miles Driven**</b>	<b>Total</b>	1.11	1.08	1.03	1.03	
	<b>Rural</b>	1.49	1.46	1.67	1.80	
	<b>Urban</b>	0.95	0.93	0.82	0.79	
<b>Passenger Vehicle Occupant Fatalities (All Seat Positions)</b>	<b>Total</b>	923	950	841	845	788
	<b>Restrained</b>	453	496	409	417	413
	<b>Unrestrained</b>	364	345	330	369	280
	<b>Unknown</b>	106	109	102	59	95
<b>Alcohol-Impaired Driving Fatalities (BAC=.08+)**</b>		395	435	417	433	384
<b>Speeding-Related Fatalities</b>		482	465	456	449	417
<b>Motorcyclist Fatalities</b>	<b>Total</b>	154	150	162	194	168
	<b>Helmeted</b>	126	122	126	163	143
	<b>Unhelmeted</b>	24	20	27	26	24
	<b>Unknown</b>	4	8	9	5	1
<b>Drivers Involved in Fatal Crashes</b>	<b>Total</b>	1,982	2,000	1,892	1,965	1,842
	<b>Aged Under 15</b>	4	4	1	2	0
	<b>Aged 15-20</b>	236	253	210	224	217
	<b>Aged Under 21</b>	240	257	211	226	217
	<b>Aged 21 and Over</b>	1,691	1,693	1,634	1,699	1,590
	<b>Unknown Age</b>	51	50	47	40	35
<b>Pedestrian Fatalities</b>		334	317	322	312	278

\*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

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### Fatality Rates: New York , 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	New York	1,493	135,047	1.11	19,207,652	7.77
	US	42,884	2,890,450	1.48	290,447,644	14.76
	Best State*			0.83		7.18
2004	New York	1,495	137,898	1.08	19,258,479	7.76
	US	42,836	2,964,788	1.44	293,191,511	14.61
	Best State*			0.87		7.40
2005	New York	1,434	139,197	1.03	19,262,545	7.44
	US	43,510	2,989,430	1.46	295,895,897	14.70
	Best State*			0.80		6.86
2006	New York	1,454	141,348	1.03	19,281,988	7.54
	US	42,708	3,014,116	1.42	298,754,819	14.30
	Best State*			0.78		6.32
2007	New York	1,333			19,297,729	6.91
	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

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Fatalities By The Highest Blood Alcohol Concentration (BAC) in the Crash\*\*:  
 New York , 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	New York	1,493	540	36	470	31	0.35
	US	42,884	17,105	40	14,678	34	0.51
	Best State*			15		13	0.16
2004	New York	1,495	594	40	507	34	0.37
	US	42,836	16,919	39	14,593	34	0.49
	Best State*			25		21	0.27
2005	New York	1,434	580	40	486	34	0.35
	US	43,510	17,590	40	15,102	35	0.51
	Best State*			14		12	0.14
2006	New York	1,454	597	41	501	34	0.35
	US	42,708	17,738	42	15,144	35	0.50
	Best State*			24		20	0.22
2007	New York	1,333	546	41	455	34	
	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

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

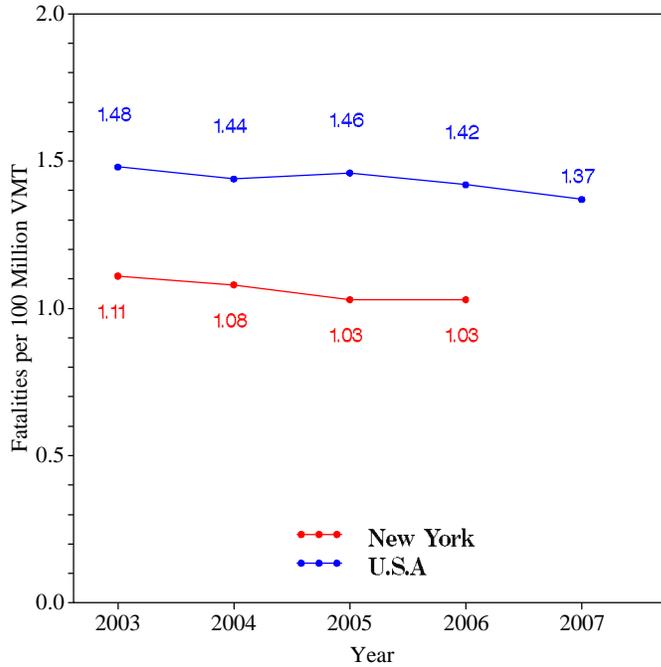
Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)		
			Number	Percent	Per 100 Million VMT
2003	New York	1,493	395	26	0.29
	US	42,884	13,096	31	0.45
	Best State*			12	0.15
2004	New York	1,495	435	29	0.32
	US	42,836	13,099	31	0.44
	Best State*			20	0.25
2005	New York	1,434	417	29	0.30
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	New York	1,454	433	30	0.31
	US	42,708	13,491	32	0.45
	Best State*			18	0.20
2007	New York	1,333	384	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

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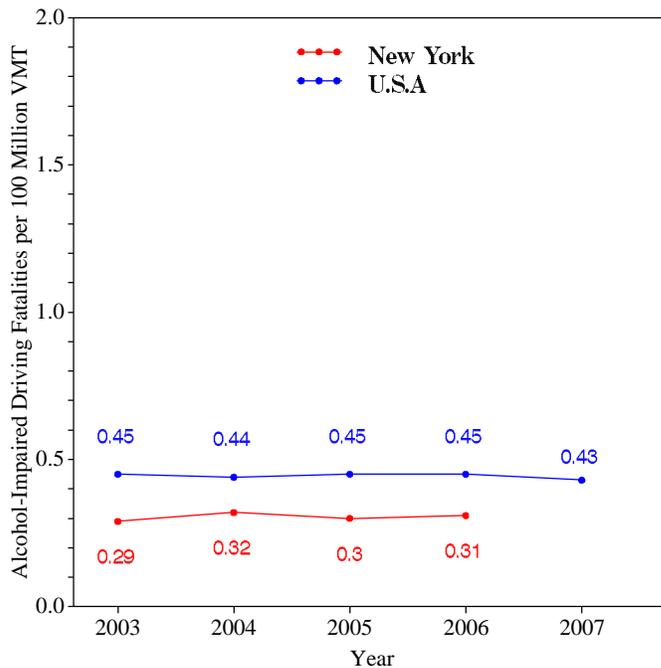


### Fatalities per 100 Million VMT



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### 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

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**Blood Alcohol Concentration (BAC) Reporting Rates  
For Drivers/Motorcycle Riders (Operators)  
Involved in Fatal Crashes:  
New York , 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	New York	1,169	42	4	813	321	39	1,982	363	18
	US	31,738	8,196	26	26,779	18,836	70	58,517	27,032	46
	Best State*			76			98			83
2004	New York	1,170	60	5	830	431	52	2,000	491	25
	US	31,524	8,215	26	26,871	18,275	68	58,395	26,490	45
	Best State*			80			97			82
2005	New York	1,106	47	4	786	497	63	1,892	544	29
	US	31,729	7,415	23	27,491	18,773	68	59,220	26,188	44
	Best State*			77			98			84
2006	New York	1,143	39	3	822	537	65	1,965	576	29
	US	30,498	7,482	25	27,348	18,911	69	57,846	26,393	46
	Best State*			81			99			85
2007	New York	1,067	21	2	775	525	68	1,842	546	30
	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

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Daytime Front Seat (Outboard Only) Passenger Vehicle Occupants, Aged 5 and Over, by Restraint Use: Fatalities and Observed New York , 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 New York, 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

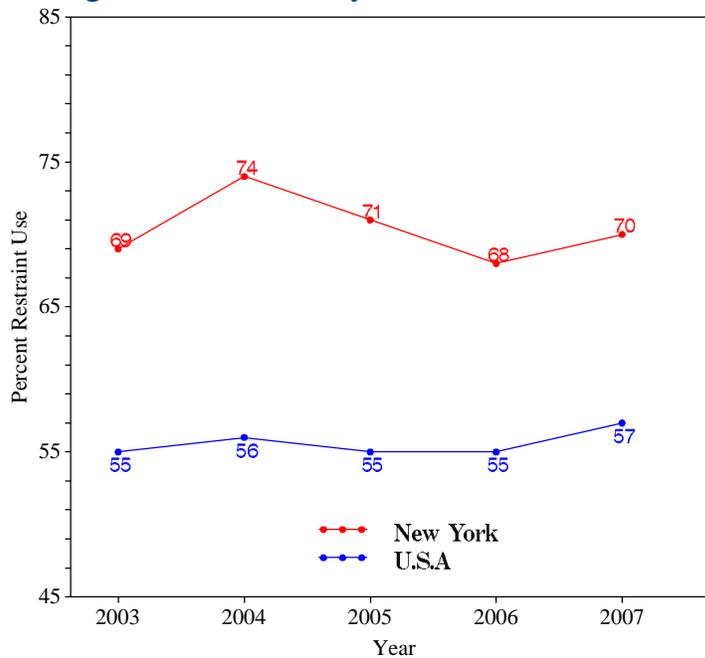
\*\*\*USA Data: National Occupant Protection Use Survey. New York Data: State Survey

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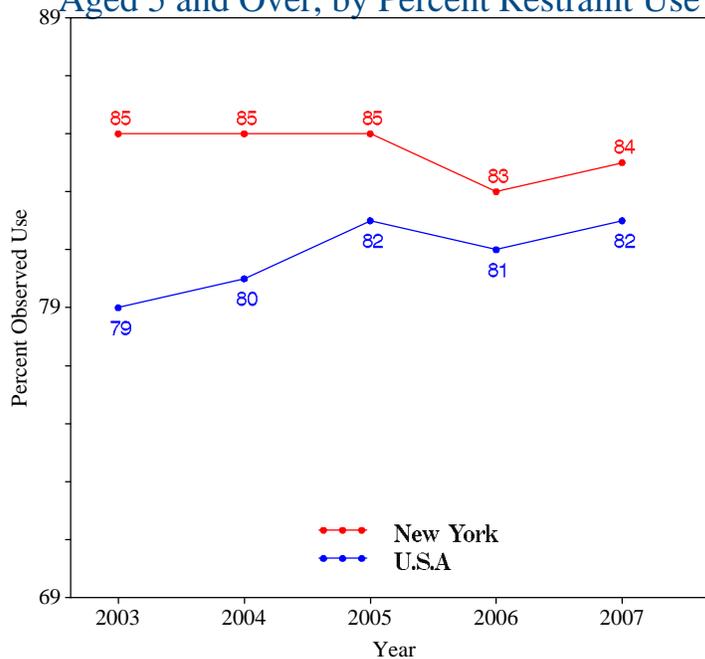
### Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use\*



\*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. New York Data: State Survey

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### 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	904	440	361	103	55	498	139
2004	936	489	342	105	59	565	149
2005	828	404	327	97	55	480	134
2006	836	412	365	59	53	494	170
2007	772	403	274	95	60	521	164

\*Percent Based Only Where Restraint Use Was Known

\*\*Lives Saved Estimates

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### 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	16	12	3	1	80	1	2
2004	9	6	2	1	75	9	2
2005	8	4	1	3	80	9	1
2006	9	5	4	0	56	7	2
2007	9	7	2	0	78	9	

\*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 Helmet*	Lives Saved at Current Helmet Use	Potential Additional Lives Savable at 100% Usage
2003	154	126	24	4	84	76	9
2004	150	122	20	8	86	77	8
2005	162	126	27	9	82	79	11
2006	194	163	26	5	86	99	10
2007	168	143	24	1	86	86	9

\*Percent Based Only Where Helmet Use Was Known

\*\*Lives Saved Estimates

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## Fatalities by Person Type

Person Type		2003		2004		2005		2006		2007	
		#	%*	#	%*	#	%*	#	%*	#	%*
<b>Occupants</b>	<b>Passenger Car</b>	677	45	703	47	597	42	571	39	531	40
	<b>Light Truck - Pickup</b>	79	5	77	5	72	5	93	6	70	5
	<b>Light Truck - Utility</b>	102	7	113	8	108	8	102	7	131	10
	<b>Light Truck - Van</b>	64	4	57	4	64	4	78	5	55	4
	<b>Light Truck - Other</b>	1	0	0	0	0	0	1	0	1	0
	<b>Large Truck</b>	17	1	9	1	25	2	26	2	22	2
	<b>Bus</b>	1	0	0	0	3	0	6	0	1	0
	<b>Other/Unknown Occupants</b>	20	1	24	2	24	2	23	2	21	2
	<b>Total Occupants</b>	961	64	983	66	893	62	900	62	832	62
<b>Motorcyclists</b>	<b>Total Motorcyclists</b>	154	10	150	10	162	11	194	13	168	13
<b>Nonoccupants</b>	<b>Pedestrian</b>	334	22	317	21	322	22	312	21	278	21
	<b>Bicyclist and Other Cyclist</b>	37	2	40	3	49	3	45	3	51	4
	<b>Other/Unknown Nonoccupants</b>	7	0	5	0	8	1	3	0	4	0
	<b>Total Nonoccupants</b>	378	25	362	24	379	26	360	25	333	25
<b>Total</b>	<b>Total</b>	1,493	100	1,495	100	1,434	100	1,454	100	1,333	100

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

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### Fatalities by Crash Type

Crash Type	2003	2004	2005	2006	2007
<b>Total Fatalities (All Crashes)*</b>	1,493	1,495	1,434	1,454	1,333
<b>- (1) Single Vehicle</b>	898	871	908	870	799
<b>- (2) Involving a Large Truck</b>	158	140	145	174	156
<b>- (3) Involving Speeding</b>	482	465	456	449	417
<b>- (4) Involving a Rollover</b>	235	243	203	253	232
<b>- (5) Involving a Roadway Departure</b>	804	795	777	760	705
<b>- (6) Involving an Intersection (or Intersection Related)</b>	493	448	442	463	464

(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	Unknown	
2003	10	52	36	30	18	8	0	154
2004	10	44	40	39	13	4	0	150
2005	6	57	42	28	21	8	0	162
2006	2	66	47	45	21	13	0	194
2007	7	39	41	46	24	10	1	168

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### Motorcyclist Fatalities Per 100,000 Registered Motorcycles

Year	Motorcyclist Fatalities	Total Motorcycle Registrations*	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2003	154	150,756	102.2
2004	150	170,148	88.16
2005	162	190,635	84.98
2006	194	203,207	95.47
2007	168		

\*Data Source: FHWA

\*2007 Motorcycle Registrations are Not Yet Available

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

Person Type by Race/Hispanic Origin		2003	2004	2005	2006
Occupants (All Vehicle Types)	Hispanic	14	22	14	1
	White Non-Hispanic	58	71	127	15
	Black, Non-Hispanic	13	14	10	0
	American Indian, Non-Hispanic/Unknown	0	3	1	0
	Asian, Non-Hispanic/Unknown	2	2	3	0
	Pacific Islander, Non-Hispanic/Unknown	0	0	1	0
	All Other Non-Hispanic or Race	174	174	186	18
	Unknown Race and Unknown Hispanic	854	847	713	1,060
	<i>Total</i>	1,115	1,133	1,055	1,094
Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)					
	Hispanic	14	10	10	0
	White Non-Hispanic	16	14	35	6
	Black, Non-Hispanic	4	1	9	2
	American Indian, Non-Hispanic/Unknown	0	1	0	0
	Asian, Non-Hispanic/Unknown	1	0	6	1
	Pacific Islander, Non-Hispanic/Unknown	0	1	2	0
	All Other Non-Hispanic or Race	46	33	24	2
	Unknown Race and Unknown Hispanic	297	302	293	349
<i>Total</i>	378	362	379	360	
<b>Total</b>	1,493	1,495	1,434	1,454	

2007 Race/Hispanic Origin Data is Not Yet Complete

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### 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	<b>Suffolk County</b>	166	170	163	151	167	11	11	11	10	13
2	<b>Kings County</b>	89	87	101	90	96	6	6	7	6	7
3	<b>Nassau County</b>	115	119	108	96	93	8	8	8	7	7
4	<b>Queens County</b>	121	80	96	92	72	8	5	7	6	5
5	<b>New York County</b>	70	47	67	67	58	5	3	5	5	4
6	<b>Erie County</b>	67	72	54	59	53	4	5	4	4	4
7	<b>Monroe County</b>	47	65	50	54	45	3	4	3	4	3
8	<b>Orange County</b>	49	44	54	54	44	3	3	4	4	3
9	<b>Onondaga County</b>	40	39	34	31	39	3	3	2	2	3
10	<b>Westchester County</b>	51	62	45	56	37	3	4	3	4	3
<b>Sub Total 1.*</b>	<b>Top Ten Counties</b>	821	802	781	770	704	55	54	54	53	53
<b>Sub Total 2.**</b>	<b>All Other Counties</b>	672	693	653	684	629	45	46	46	47	47
<b>Total</b>	<b>All Counties</b>	1,493	1,495	1,434	1,454	1,333	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 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	<b>Suffolk County</b>	166	170	163	151	167	2	-4	-7	11
2	<b>Kings County</b>	89	87	101	90	96	-2	16	-11	7
3	<b>Nassau County</b>	115	119	108	96	93	3	-9	-11	-3
4	<b>Queens County</b>	121	80	96	92	72	-34	20	-4	-22
5	<b>New York County</b>	70	47	67	67	58	-33	43	0	-13
6	<b>Erie County</b>	67	72	54	59	53	7	-25	9	-10
7	<b>Monroe County</b>	47	65	50	54	45	38	-23	8	-17
8	<b>Orange County</b>	49	44	54	54	44	-10	23	0	-19
9	<b>Onondaga County</b>	40	39	34	31	39	-3	-13	-9	26
10	<b>Westchester County</b>	51	62	45	56	37	22	-27	24	-34
<b>Sub Total 1.*</b>	<b>Top Ten Counties</b>	821	802	781	770	704	-2	-3	-1	-9
<b>Sub Total 2.**</b>	<b>All Other Counties</b>	672	693	653	684	629	3	-6	5	-8
<b>Total</b>	<b>All Counties</b>	1,493	1,495	1,434	1,454	1,333	0	-4	1	-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

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## 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	Seneca County	17.27	11.53	20.37	8.76	35.06
2	Lewis County	22.75	19.05	26.68	45.43	30.22
3	Genesee County	33.58	10.14	8.50	25.68	29.25
4	Delaware County	23.38	46.70	19.20	17.21	28.09
5	Essex County	23.25	28.58	20.89	49.60	26.23
6	Yates County	16.33	20.39	4.08	12.29	24.43
7	Otsego County	12.87	12.80	9.57	14.38	24.04
8	Ontario County	16.63	19.45	16.43	11.59	22.12
9	Steuben County	15.26	8.18	17.45	17.52	21.68
10	Wyoming County	18.75	23.54	21.27	16.61	19.08
<b>Sub Rate 1.*</b> <i>Top Ten Counties</i>		26.40	24.75	25.35	23.57	24.96
<b>Sub Rate 2.**</b> <i>All Other Counties</i>		7.36	7.23	6.97	6.99	6.39
<b>Total Rate</b> <i>All Counties</i>		7.77	7.76	7.44	7.54	6.91

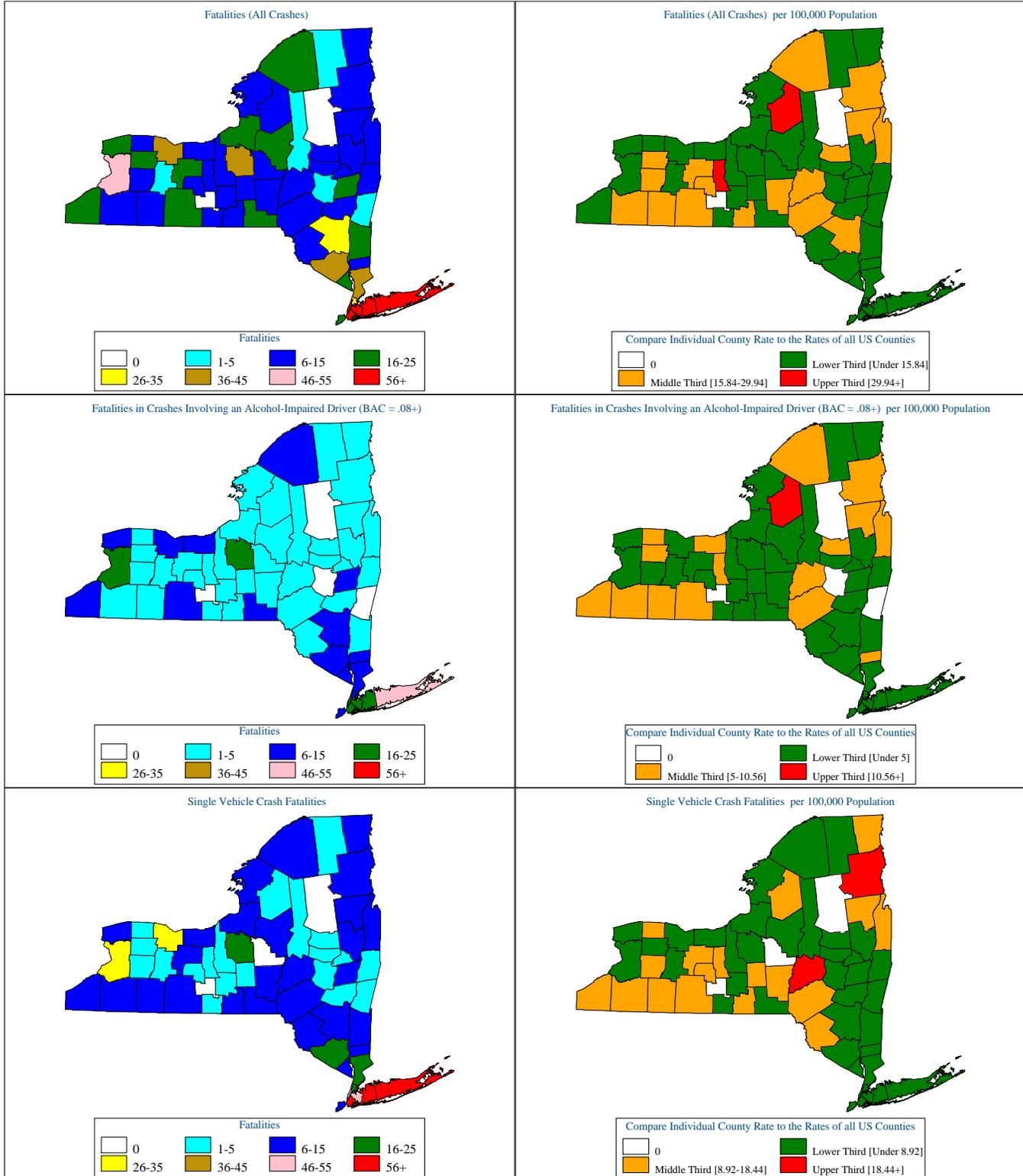
\*This Sub Rate is the Rate for the Top Ten Counties

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

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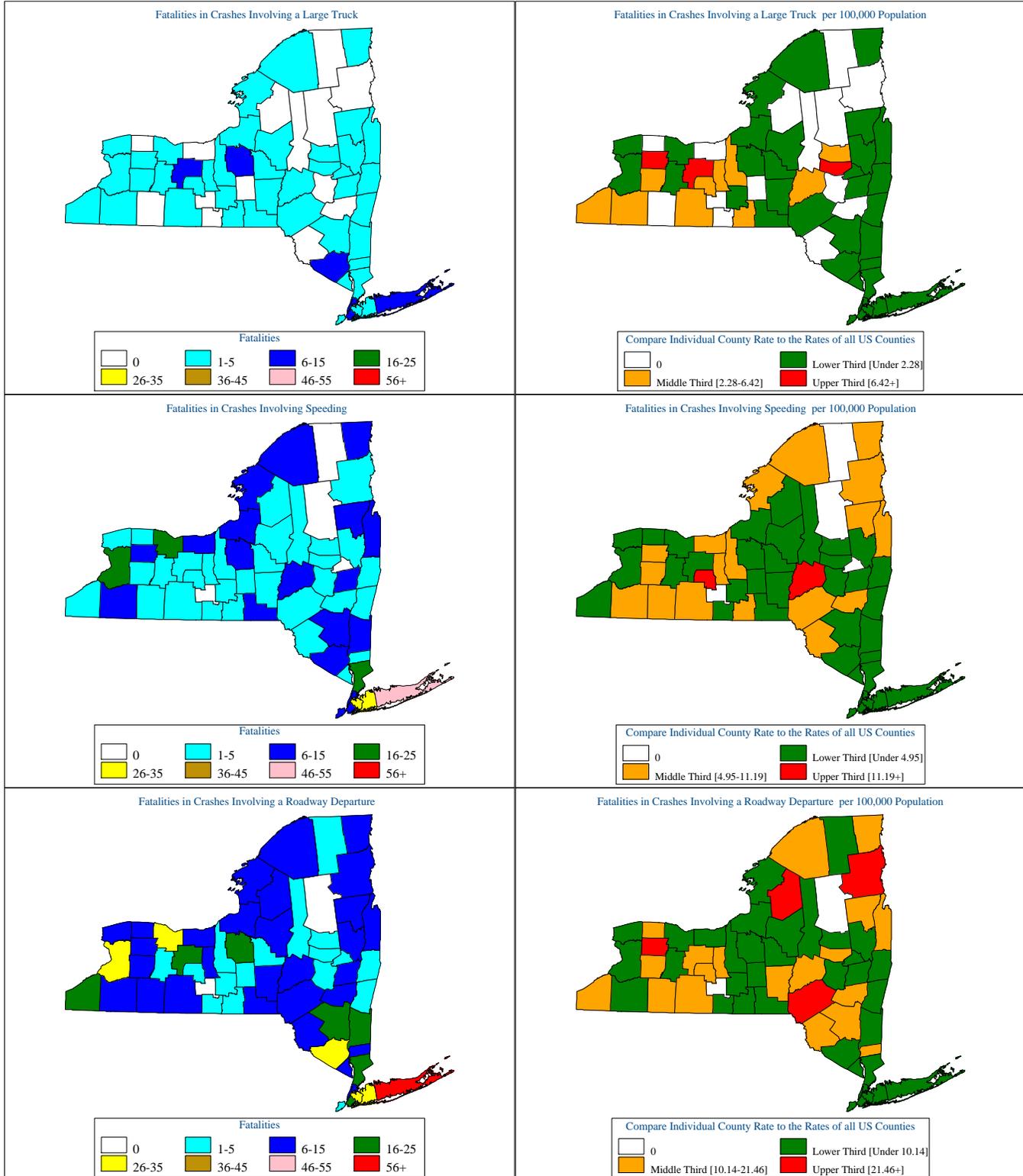
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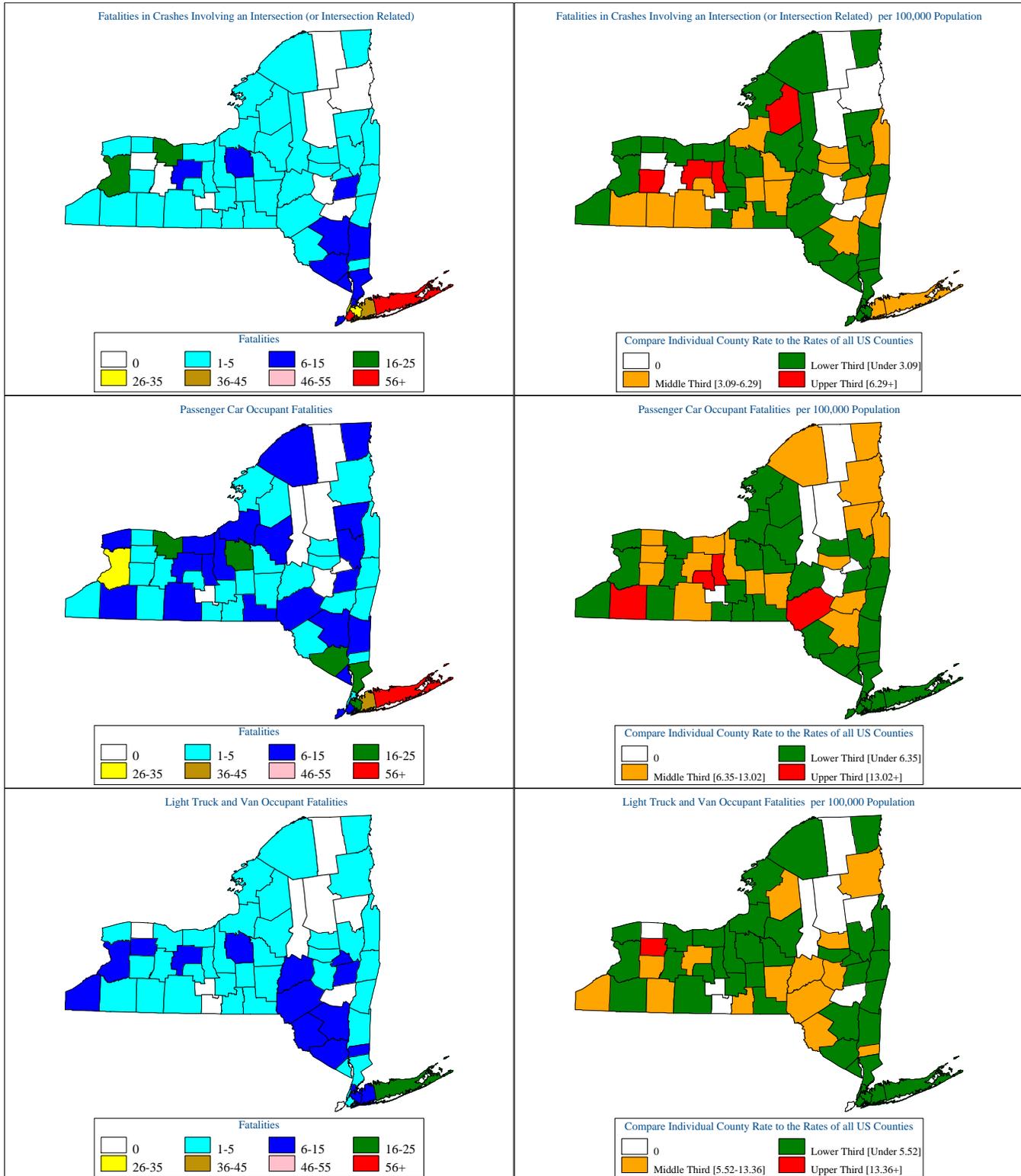
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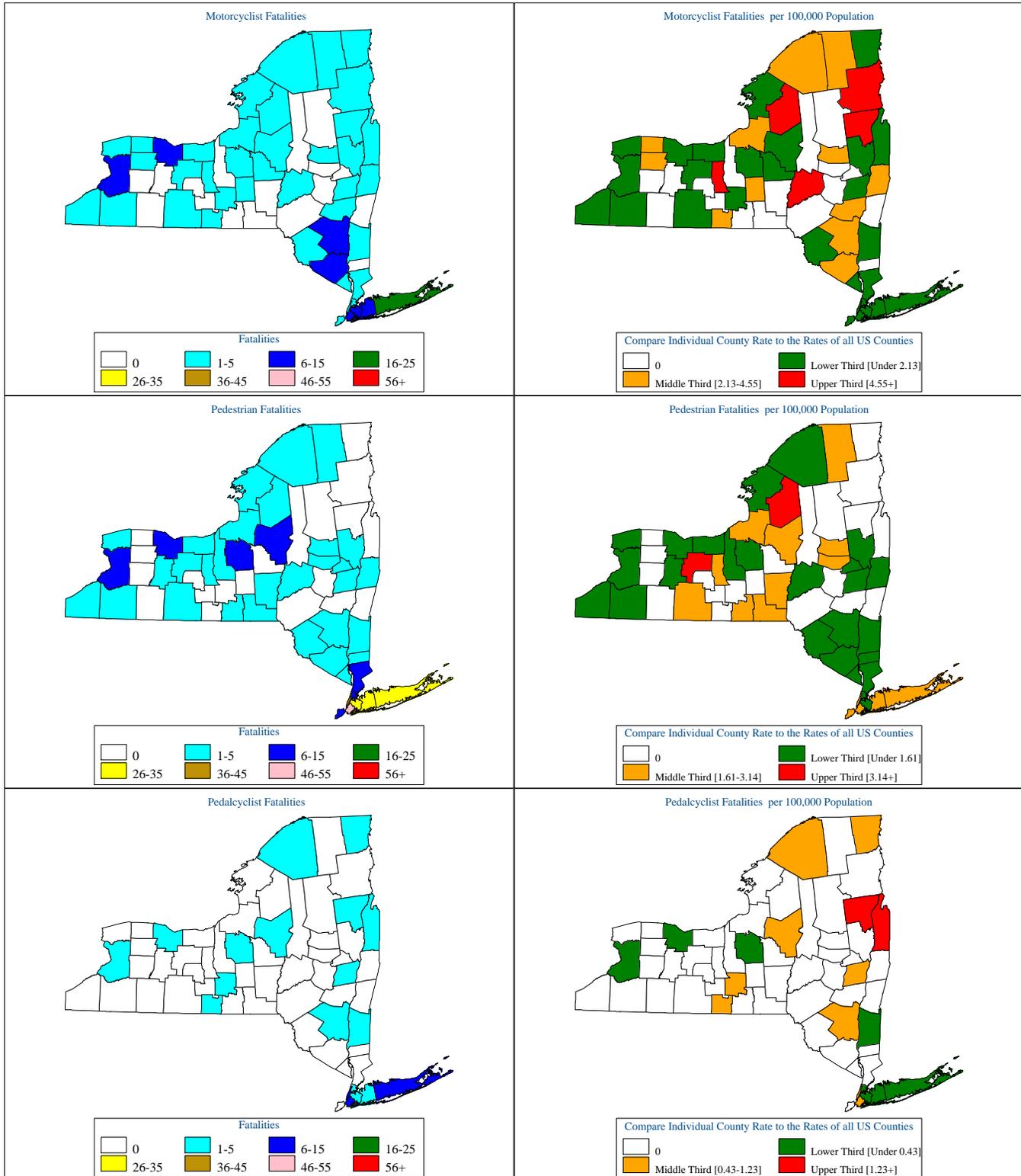
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