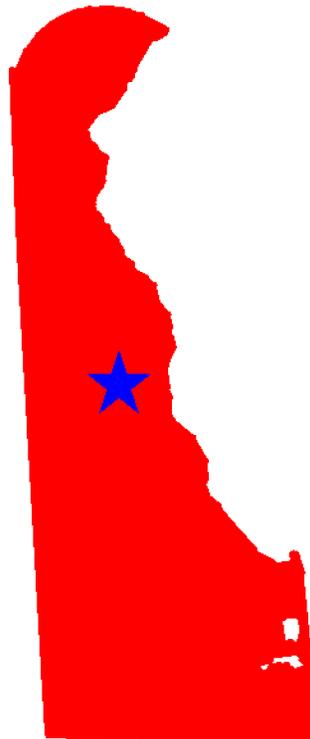




## Traffic Safety Facts Delaware 2003-2007



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 Delaware 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: Delaware , U.S. and Best State
5. Alcohol-Related Fatalities: Delaware , U.S. and Best State (Old Definition)
6. Alcohol-Impaired Driving Fatalities: Delaware , U.S. and Best State (New Definition)
7. Fatalities Per 100 Million VMT: Delaware , U.S.
7. Alcohol-Impaired Driving Fatalities Per 100 Million VMT: Delaware , U.S.
8. Blood Alcohol Concentration (BAC) Reporting Rates For Drivers/Motorcycle Rider (Operators) Involved in Fatal Crashes: Delaware , U.S. and Best State
9. Front Seat Passenger Vehicle Occupants, Aged 5 and Over, by Restraint Use: Fatalities and Observed Delaware , U.S. and Best State
10. Front Seat Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use: Delaware , U.S.
10. Front Seat Passenger Vehicle Occupants Observed, Aged 5 and Over, by Percent Restraint Use: Delaware , 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 Delaware \*

Core Outcome Measures		Year				
		2003	2004	2005	2006	2007
<b>Total Traffic Fatalities</b>		142	134	133	148	117
<b>Fatalities Per 100 Million Vehicle Miles Driven**</b>	<b>Total</b>	1.57	1.44	1.40	1.57	
	<b>Rural</b>	1.87	3.08	3.23	3.01	
	<b>Urban</b>	1.35	0.77	0.63	0.97	
<b>Passenger Vehicle Occupant Fatalities (All Seat Positions)</b>	<b>Total</b>	110	105	95	104	83
	<b>Restrained</b>	51	58	41	51	43
	<b>Unrestrained</b>	57	47	51	51	35
	<b>Unknown</b>	2	0	3	2	5
<b>Alcohol-Impaired Driving Fatalities (BAC=.08+)**</b>		46	39	51	43	50
<b>Speeding-Related Fatalities</b>		37	45	52	34	44
<b>Motorcyclist Fatalities</b>	<b>Total</b>	11	8	21	12	16
	<b>Helmeted</b>	6	4	14	4	5
	<b>Unhelmeted</b>	5	4	7	8	10
	<b>Unknown</b>	0	0	0	0	1
<b>Drivers Involved in Fatal Crashes</b>	<b>Total</b>	233	193	190	206	159
	<b>Aged Under 15</b>	0	0	0	0	0
	<b>Aged 15-20</b>	37	37	32	22	18
	<b>Aged Under 21</b>	37	37	32	22	18
	<b>Aged 21 and Over</b>	193	155	154	182	138
	<b>Unknown Age</b>	3	1	4	2	3
<b>Pedestrian Fatalities</b>		19	16	11	27	16

\*These Performance Measures Were Developed By The National Highway Traffic Safety Administration (NHTSA) and the Governors Highway Safety Administration(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: Delaware , 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	Delaware	142	9,044	1.57	815,798	17.41
	US	42,884	2,890,450	1.48	290,447,644	14.76
	Best State*			0.83		7.18
2004	Delaware	134	9,301	1.44	827,671	16.19
	US	42,836	2,964,788	1.44	293,191,511	14.61
	Best State*			0.87		7.40
2005	Delaware	133	9,508	1.40	840,558	15.82
	US	43,510	2,989,430	1.46	295,895,897	14.70
	Best State*			0.80		6.86
2006	Delaware	148	9,442	1.57	852,747	17.36
	US	42,708	3,014,116	1.42	298,754,819	14.30
	Best State*			0.78		6.32
2007	Delaware	117			864,764	13.53
	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\*\*:  
 Delaware , 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	Delaware	142	61	43	51	36	0.56
	US	42,884	17,105	40	14,678	34	0.51
	Best State*			15		13	0.16
2004	Delaware	134	51	38	47	35	0.51
	US	42,836	16,919	39	14,593	34	0.49
	Best State*			25		21	0.27
2005	Delaware	133	64	48	58	44	0.61
	US	43,510	17,590	40	15,102	35	0.51
	Best State*			14		12	0.14
2006	Delaware	148	57	39	50	34	0.53
	US	42,708	17,738	42	15,144	35	0.50
	Best State*			24		20	0.22
2007	Delaware	117	63	54	55	47	
	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\*\*:  
Delaware , U.S. and Best State  
(New Definition)

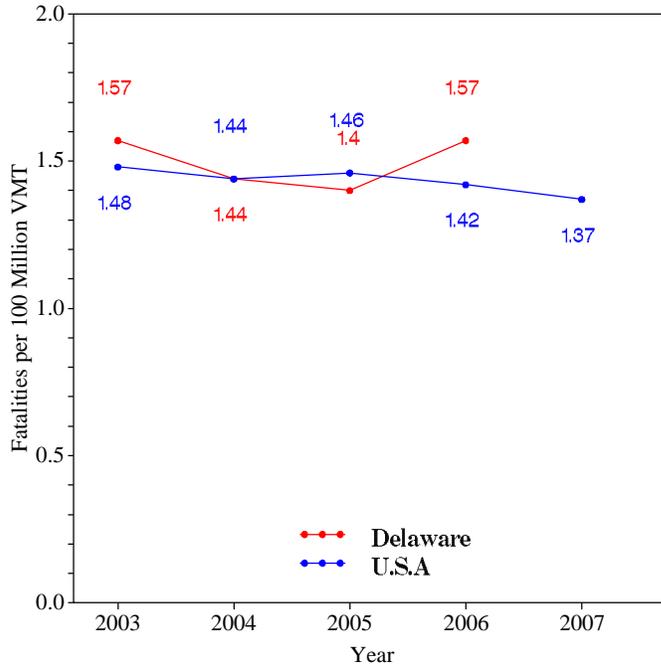
Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)		
			Number	Percent	Per 100 Million VMT
2003	Delaware	142	46	32	0.51
	US	42,884	13,096	31	0.45
	Best State*			12	0.15
2004	Delaware	134	39	29	0.42
	US	42,836	13,099	31	0.44
	Best State*			20	0.25
2005	Delaware	133	51	38	0.54
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	Delaware	148	43	29	0.46
	US	42,708	13,491	32	0.45
	Best State*			18	0.20
2007	Delaware	117	50	43	
	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  
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[Back To The Table of Contents](#)

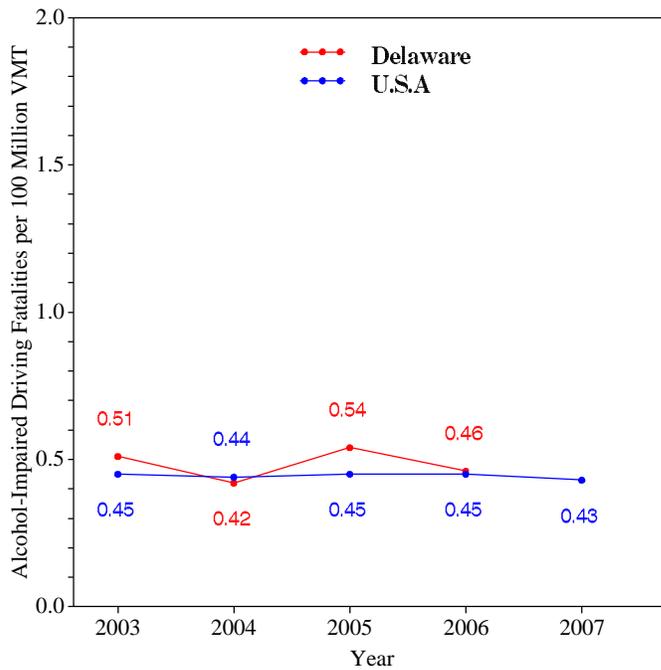


### Fatalities per 100 Million VMT



[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:  
Delaware , 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	Delaware	143	48	34	90	70	78	233	118	51
	US	31,738	8,196	26	26,779	18,836	70	58,517	27,032	46
	Best State*			76			98			83
2004	Delaware	110	35	32	83	56	67	193	91	47
	US	31,524	8,215	26	26,871	18,275	68	58,395	26,490	45
	Best State*			80			97			82
2005	Delaware	99	13	13	91	48	53	190	61	32
	US	31,729	7,415	23	27,491	18,773	68	59,220	26,188	44
	Best State*			77			98			84
2006	Delaware	125	13	10	81	42	52	206	55	27
	US	30,498	7,482	25	27,348	18,911	69	57,846	26,393	46
	Best State*			81			99			85
2007	Delaware	83	13	16	76	38	50	159	51	32
	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  
Delaware , U.S. and Best State

Year		Fatalities - Restrained**	Observed - Restrained***
		Percent	Percent
2003	Delaware	64	75
	US	55	79
	Best State*	74	95
2004	Delaware	63	82
	US	56	80
	Best State*	82	95
2005	Delaware	59	84
	US	55	82
	Best State*	88	95
2006	Delaware	62	86
	US	55	81
	Best State*	77	96
2007	Delaware	74	87
	US	57	82
	Best State*	81	98

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

\*\*Percent Based Only Where Restraint Use Was Known

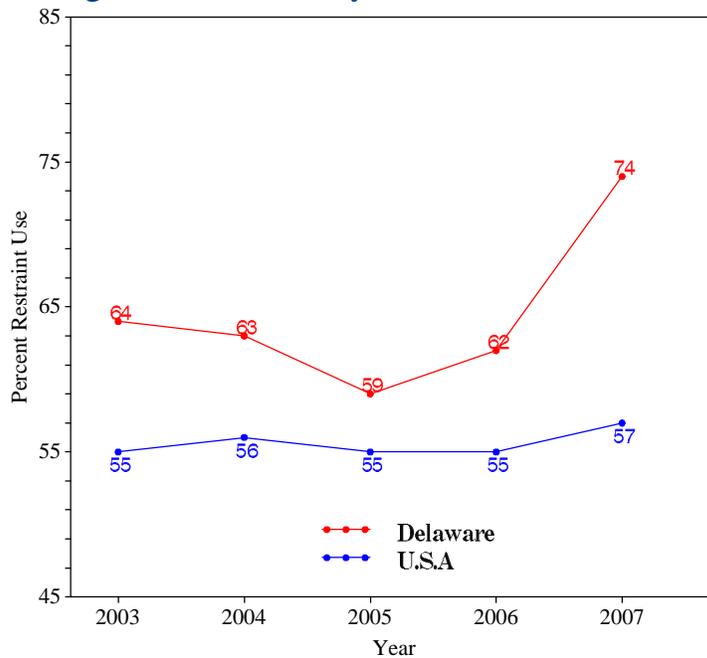
\*\*\*USA Data: National Occupant Protection Use Survey. Delaware Data: State Survey

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](#)



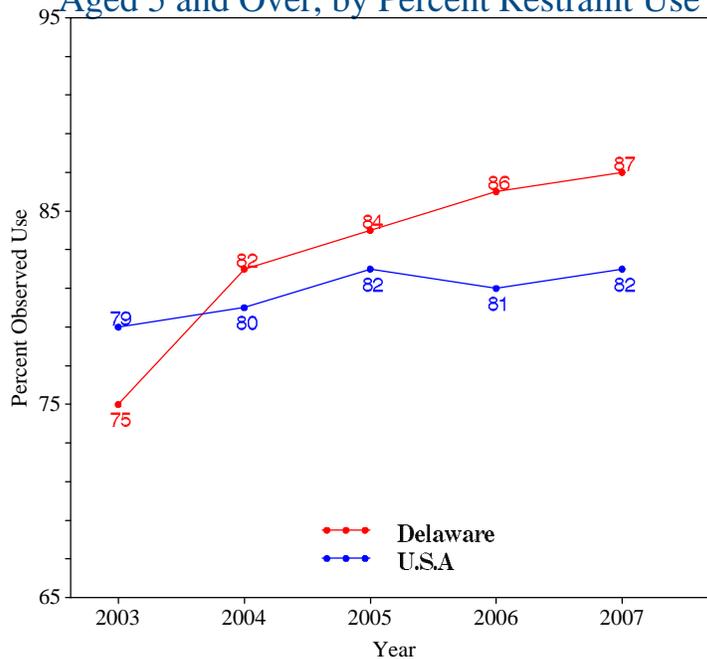
### Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use\*



\*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. Delaware 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	110	51	57	2	47	50	24
2004	103	57	46	0	55	62	19
2005	94	40	51	3	44	43	14
2006	101	50	49	2	51	54	17
2007	82	42	35	5	55	49	14

\*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	0	0	0	0		0	0
2004	2	1	1	0	50	1	1
2005	1	1	0	0	100	1	0
2006	3	1	2	0	33	1	1
2007	1	1	0	0	100	1	

\*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	11	6	5	0	55	4	2
2004	8	4	4	0	50	2	2
2005	21	14	7	0	67	8	3
2006	12	4	8	0	33	2	3
2007	16	5	10	1	33	3	4

\*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	
		#	%*	#	%*	#	%*	#	%*	#	%*
<b>Occupants</b>	<b>Passenger Car</b>	81	57	77	57	68	51	67	45	54	46
	<b>Light Truck - Pickup</b>	12	8	14	10	9	7	20	14	12	10
	<b>Light Truck - Utility</b>	12	8	7	5	9	7	12	8	12	10
	<b>Light Truck - Van</b>	5	4	7	5	9	7	4	3	5	4
	<b>Light Truck - Other</b>	0	0	0	0	0	0	1	1	0	0
	<b>Large Truck</b>	0	0	1	1	2	2	1	1	0	0
	<b>Other/Unknown Occupants</b>	1	1	1	1	2	2	0	0	1	1
	<b>Total Occupants</b>	111	78	107	80	99	74	105	71	84	72
<b>Motorcyclists</b>	<b>Total Motorcyclists</b>	11	8	8	6	21	16	12	8	16	14
<b>Nonoccupants</b>	<b>Pedestrian</b>	19	13	16	12	11	8	27	18	16	14
	<b>Bicyclist and Other Cyclist</b>	1	1	3	2	2	2	4	3	0	0
	<b>Other/Unknown Nonoccupants</b>	0	0	0	0	0	0	0	0	1	1
	<b>Total Nonoccupants</b>	20	14	19	14	13	10	31	21	17	15
<b>Total</b>	<b>Total</b>	142	100	134	100	133	100	148	100	117	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
<b>Total Fatalities (All Crashes)*</b>	142	134	133	148	117
<b>- (1) Single Vehicle</b>	65	69	62	72	63
<b>- (2) Involving a Large Truck</b>	19	19	7	17	6
<b>- (3) Involving Speeding</b>	37	45	52	34	44
<b>- (4) Involving a Rollover</b>	31	28	24	25	26
<b>- (5) Involving a Roadway Departure</b>	91	87	96	102	89
<b>- (6) Involving an Intersection (or Intersection Related)</b>	37	32	30	48	24

(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	
2003	0	3	1	5	2	11
2004	0	2	2	3	1	8
2005	2	2	4	10	3	21
2006	0	3	3	6	0	12
2007	0	1	6	4	5	16

[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	11	15,008	73.29
2004	8	17,485	45.75
2005	21	18,987	110.6
2006	12	22,786	52.66
2007	16		

\*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
<b>Occupants (All Vehicle Types)</b>	<b>Hispanic</b>	21	11	3	16
	<b>White Non-Hispanic</b>	88	93	108	91
	<b>Black, Non-Hispanic</b>	8	10	9	7
	<b>Asian, Non-Hispanic/Unknown</b>	0	1	0	0
	<b>All Other Non-Hispanic or Race</b>	5	0	0	3
	<b>Total</b>	122	115	120	117
<b>Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)</b>					
	<b>Hispanic</b>	0	4	1	2
	<b>White Non-Hispanic</b>	17	11	11	26
	<b>Black, Non-Hispanic</b>	3	4	0	3
	<b>Asian, Non-Hispanic/Unknown</b>	0	0	0	0
	<b>All Other Non-Hispanic or Race</b>	0	0	1	0
	<b>Total</b>	20	19	13	31
<b>Total</b>	142	134	133	148	

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
<b>1</b>	<b>New Castle County</b>	80	58	63	63	56	56	43	47	43	48
<b>2</b>	<b>Sussex County</b>	49	49	32	49	39	35	37	24	33	34
<b>3</b>	<b>Kent County</b>	13	27	38	35	21	9	20	29	24	18
<b>Sub Total 1.*</b>	<b>Top Ten Counties</b>	142	134	133	147	116	100	100	100	100	100
<b>Total</b>	<b>All Counties</b>	142	134	133	147	116	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	<b>New Castle County</b>	80	58	63	63	56	-28	9	0	-11
2	<b>Sussex County</b>	49	49	32	49	39	0	-35	53	-20
3	<b>Kent County</b>	13	27	38	35	21	108	41	-8	-40
<b>Sub Total 1.*</b>	<b>Top Ten Counties</b>	142	134	133	147	116	-6	-1	11	-21
<b>Total</b>	<b>All Counties</b>	142	134	133	147	116	-6	-1	11	-21

\*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	<b>Sussex County</b>	29.18	28.57	18.21	27.22	21.16
2	<b>Kent County</b>	9.67	19.45	26.44	23.65	13.79
3	<b>New Castle County</b>	15.58	11.21	12.09	12.01	10.60
<b>Sub Rate 1.*</b>	<b>Top Ten Counties</b>	17.41	16.19	15.82	17.24	13.41
<b>Total Rate</b>	<b>All Counties</b>	17.41	16.19	15.82	17.24	13.41

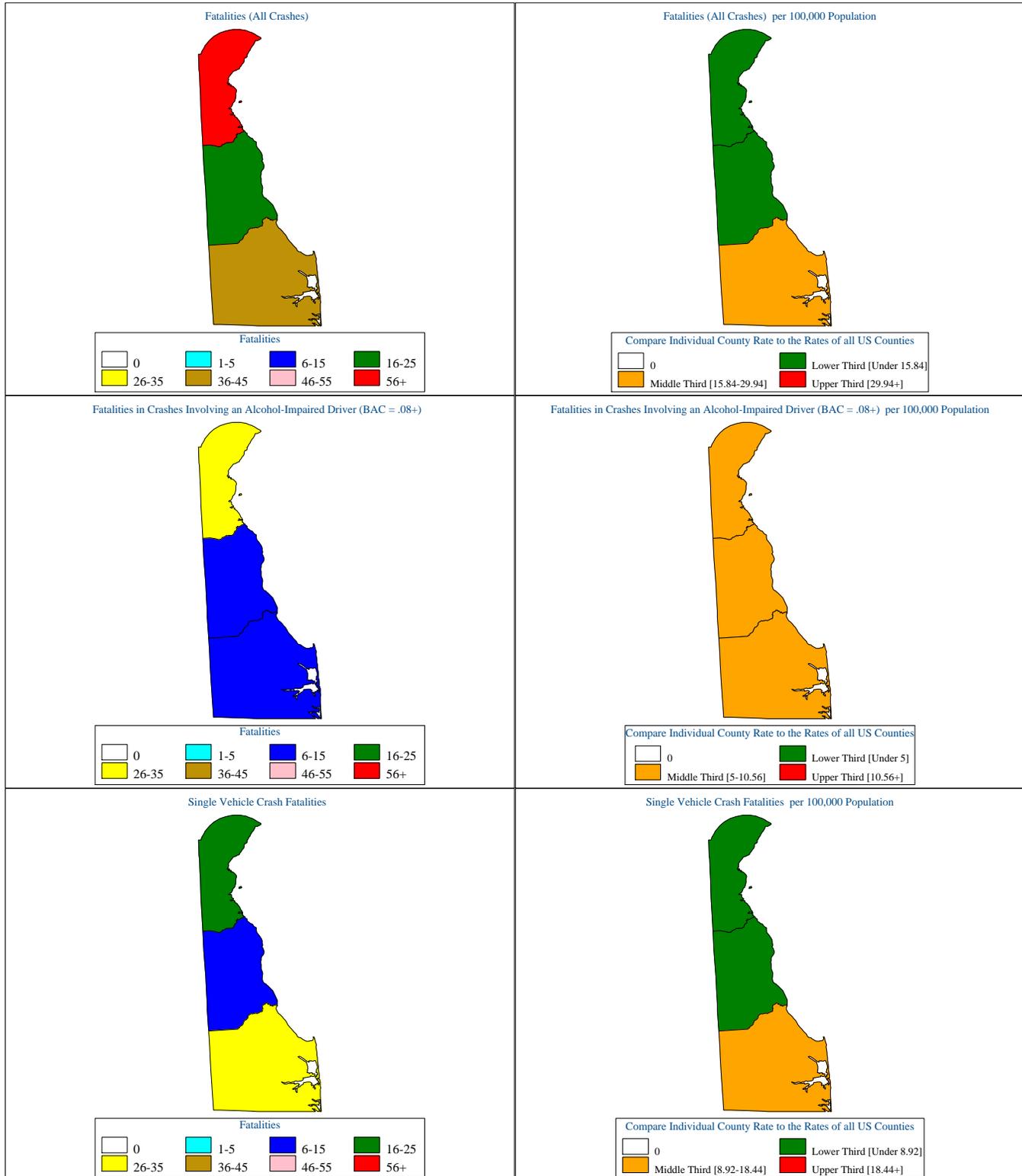
\*This Sub Rate is the Rate for the Top Ten Counties

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

[Back To The Table of Contents](#)



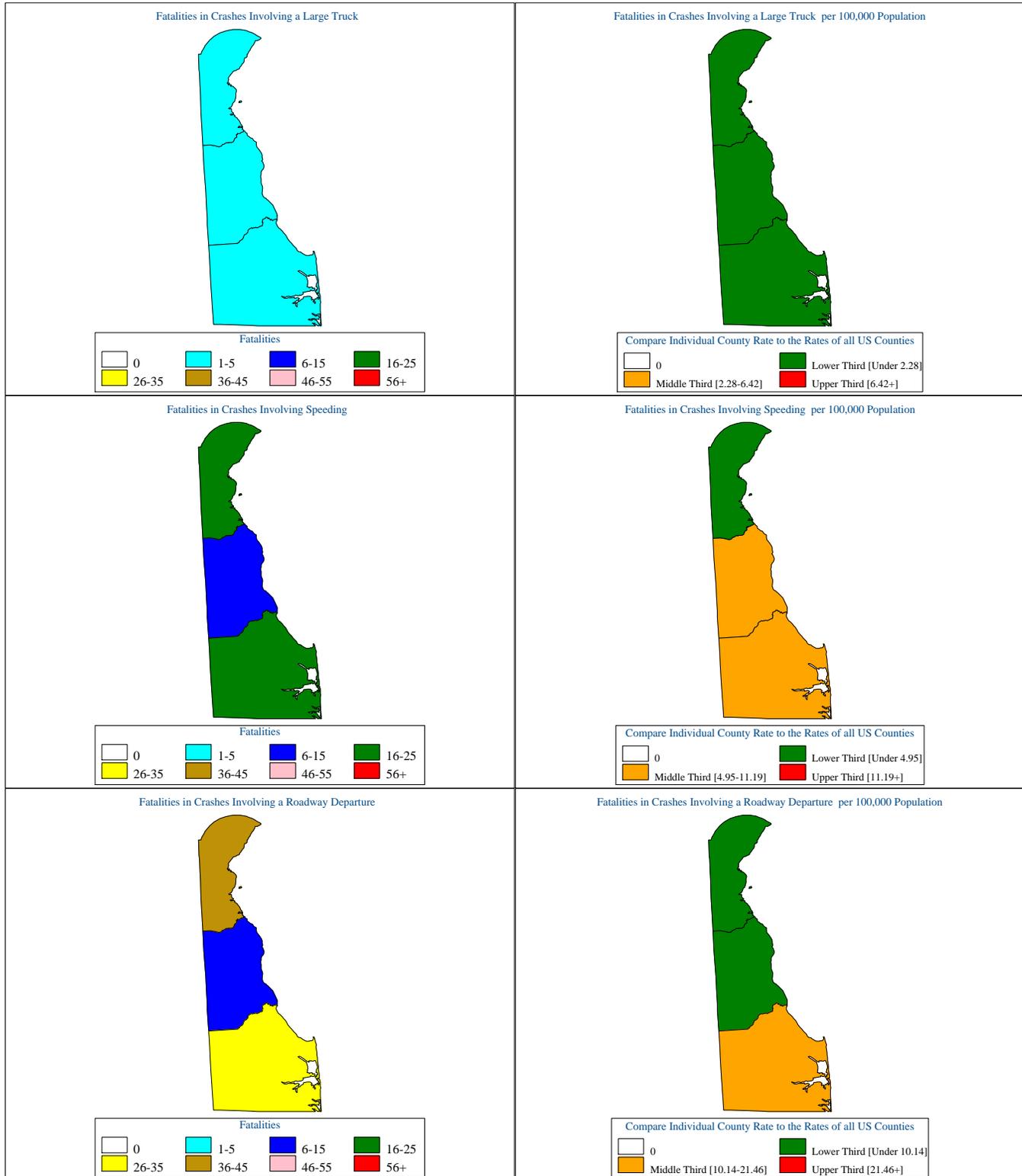
### Delaware Motor Vehicle Crash Fatality Maps for 2007



[Back To The Table of Contents](#)



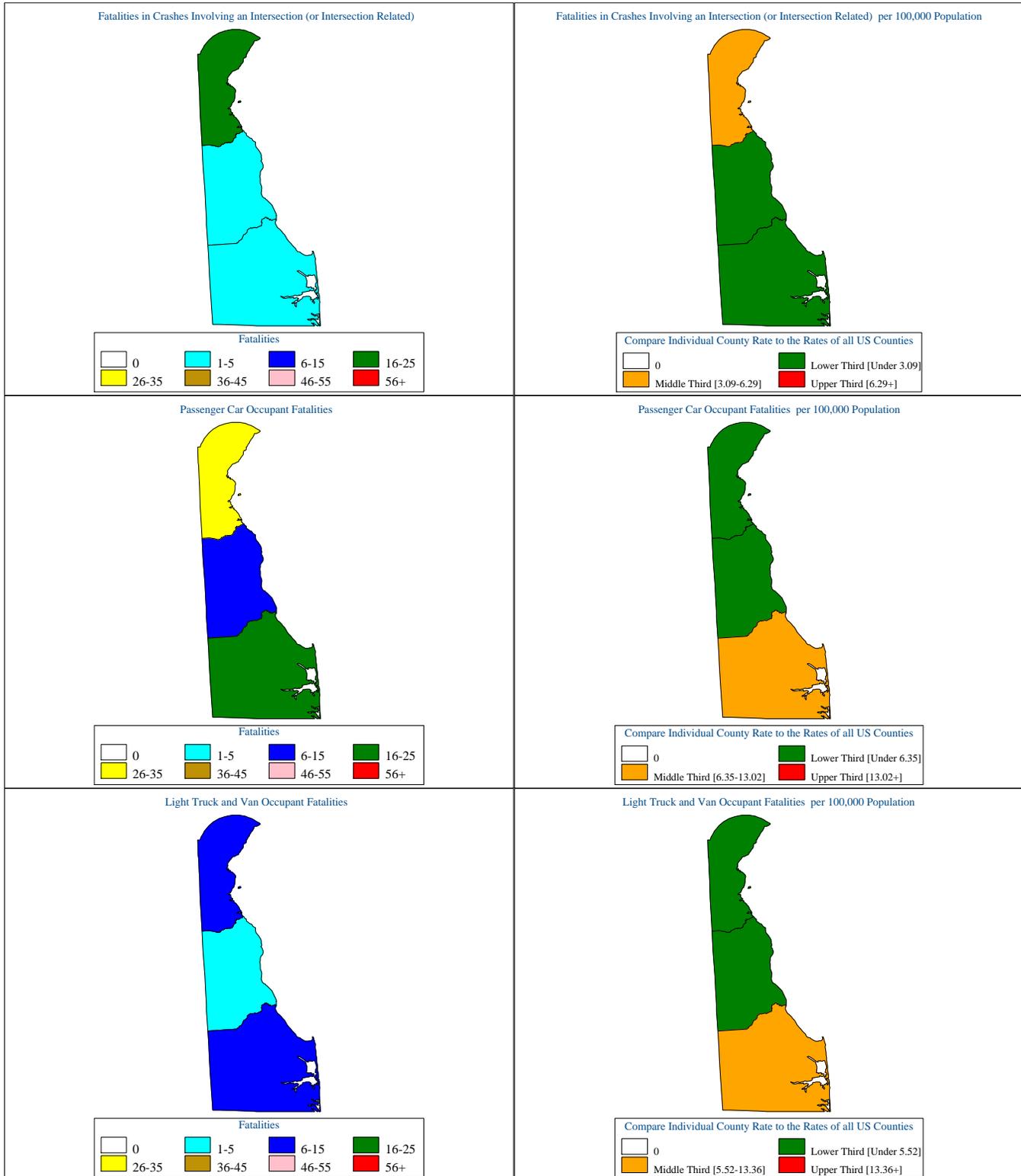
### Delaware Motor Vehicle Crash Fatality Maps for 2007



[Back To The Table of Contents](#)



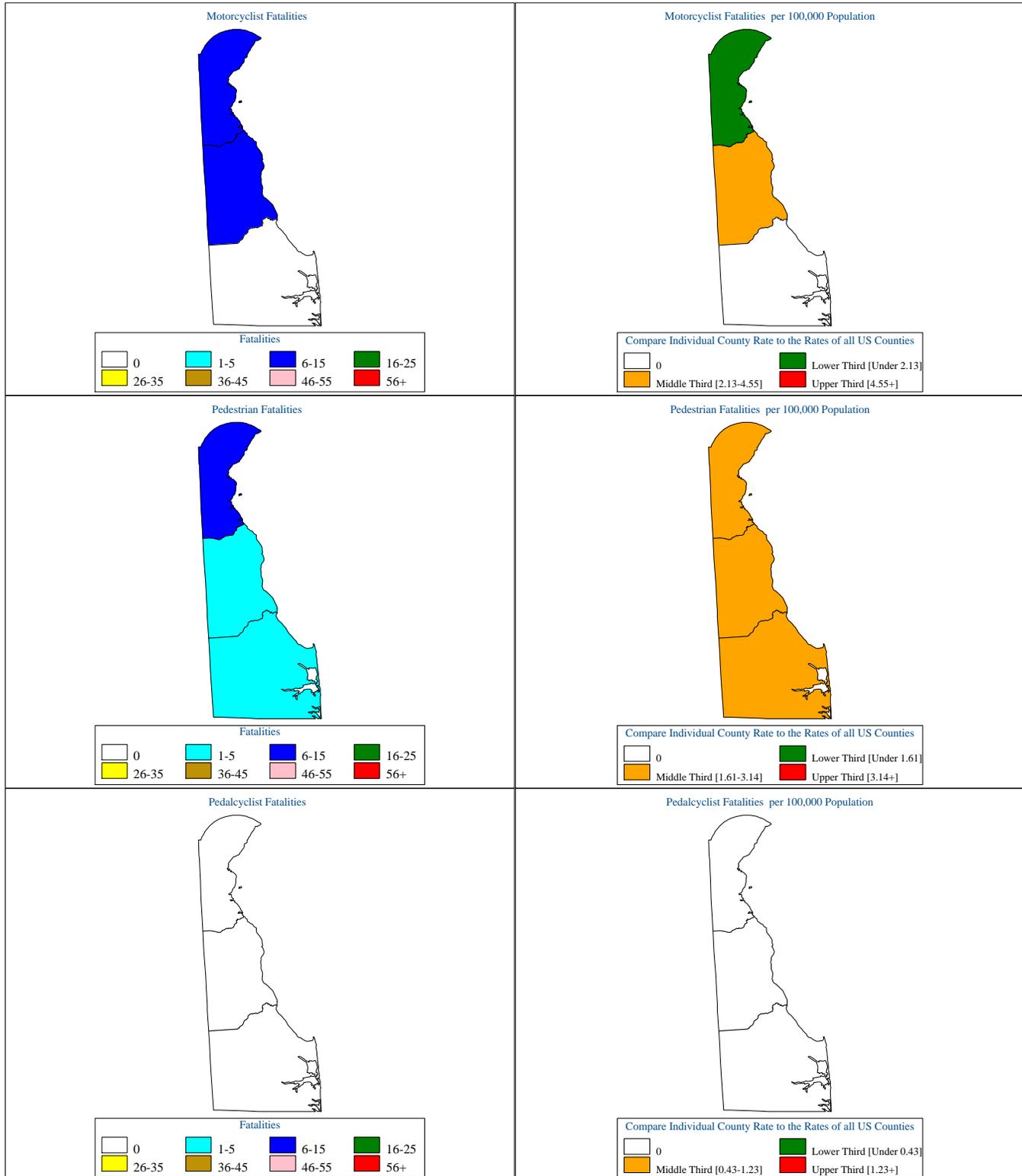
### Delaware Motor Vehicle Crash Fatality Maps for 2007



[Back To The Table of Contents](#)



### Delaware Motor Vehicle Crash Fatality Maps for 2007



[Back To The Table of Contents](#)