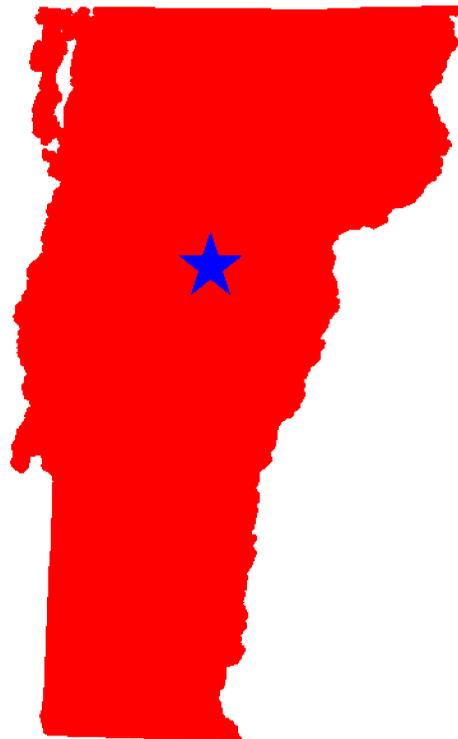




## Traffic Safety Facts Vermont 2003-2007



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 Vermont 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 Vermont \*

Core Outcome Measures		Year				
		2003	2004	2005	2006	2007
<b>Total Traffic Fatalities</b>		69	98	73	87	66
<b>Fatalities Per 100 Million Vehicle Miles Driven**</b>	<b>Total</b>	0.83	1.25	0.95	1.11	
	<b>Rural</b>	0.96	1.42	1.09	1.38	
	<b>Urban</b>	0.48	0.75	0.49	0.26	
<b>Passenger Vehicle Occupant Fatalities (All Seat Positions)</b>	<b>Total</b>	55	76	53	73	47
	<b>Restrained</b>	28	38	24	34	24
	<b>Unrestrained</b>	21	36	26	35	22
	<b>Unknown</b>	6	2	3	4	1
<b>Alcohol-Impaired Driving Fatalities (BAC=.08+)**</b>		21	20	28	26	22
<b>Speeding-Related Fatalities</b>		33	46	33	33	23
<b>Motorcyclist Fatalities</b>	<b>Total</b>	3	11	14	10	7
	<b>Helmeted</b>	2	11	13	6	5
	<b>Unhelmeted</b>	1	0	1	4	2
	<b>Unknown</b>	0	0	0	0	0
<b>Drivers Involved in Fatal Crashes</b>	<b>Total</b>	98	125	102	105	85
	<b>Aged Under 15</b>	0	1	0	0	0
	<b>Aged 15-20</b>	16	21	16	14	12
	<b>Aged Under 21</b>	16	22	16	14	12
	<b>Aged 21 and Over</b>	82	103	86	91	73
	<b>Unknown Age</b>	0	0	0	0	0
<b>Pedestrian Fatalities</b>		7	7	3	0	4

\*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

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### Fatality Rates: Vermont , 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	Vermont	69	8,309	0.83	617,101	11.18
	US	42,884	2,890,450	1.48	290,447,644	14.76
	Best State*			0.83		7.18
2004	Vermont	98	7,855	1.25	618,794	15.84
	US	42,836	2,964,788	1.44	293,191,511	14.61
	Best State*			0.87		7.40
2005	Vermont	73	7,713	0.95	619,736	11.78
	US	43,510	2,989,430	1.46	295,895,897	14.70
	Best State*			0.80		6.86
2006	Vermont	87	7,832	1.11	620,778	14.01
	US	42,708	3,014,116	1.42	298,754,819	14.30
	Best State*			0.78		6.32
2007	Vermont	66			621,254	10.62
	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\*\*:  
 Vermont , 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	Vermont	69	29	42	21	30	0.25
	US	42,884	17,105	40	14,678	34	0.51
	Best State*			15		13	0.16
2004	Vermont	98	32	33	21	21	0.27
	US	42,836	16,919	39	14,593	34	0.49
	Best State*			25		21	0.27
2005	Vermont	73	30	41	29	40	0.38
	US	43,510	17,590	40	15,102	35	0.51
	Best State*			14		12	0.14
2006	Vermont	87	29	33	27	31	0.34
	US	42,708	17,738	42	15,144	35	0.50
	Best State*			24		20	0.22
2007	Vermont	66	28	42	25	38	
	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\*\*:  
Vermont , 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	Vermont	69	21	30	0.25
	US	42,884	13,096	31	0.45
	Best State*			12	0.15
2004	Vermont	98	20	20	0.25
	US	42,836	13,099	31	0.44
	Best State*			20	0.25
2005	Vermont	73	28	38	0.36
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	Vermont	87	26	30	0.33
	US	42,708	13,491	32	0.45
	Best State*			18	0.20
2007	Vermont	66	22	33	
	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

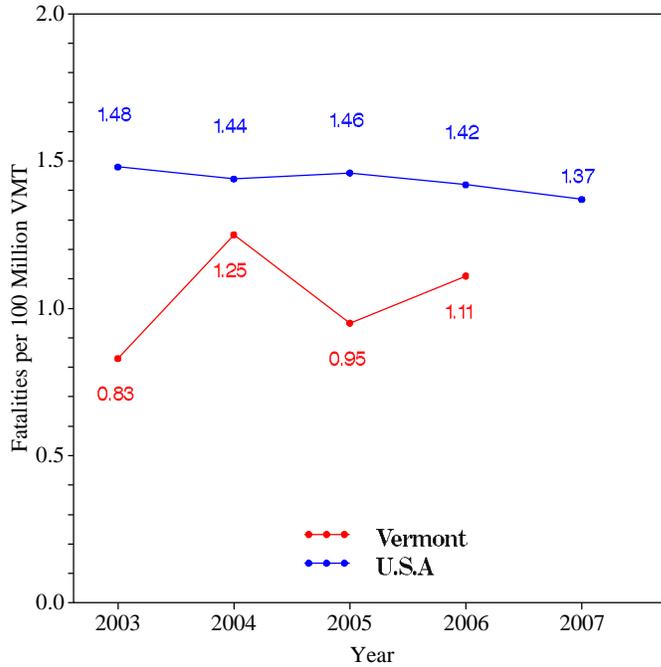
2007 National VMT is a Preliminary Estimate and Subject to Change

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

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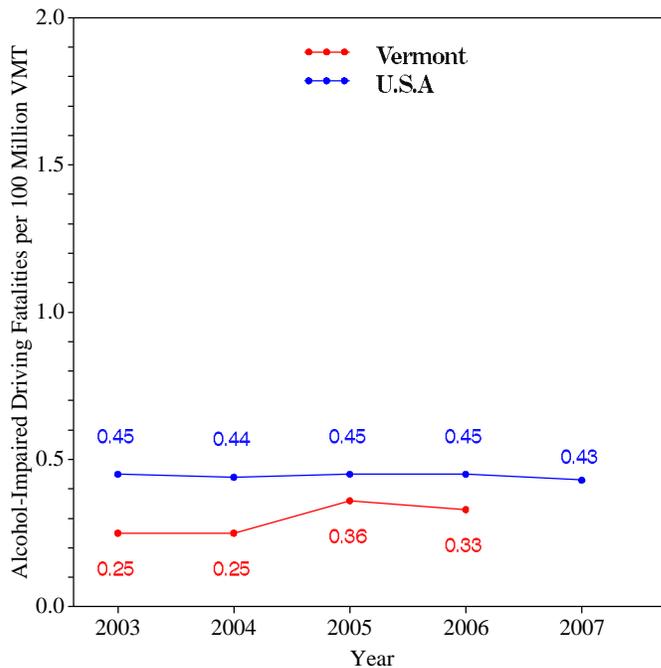


### Fatalities per 100 Million VMT



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



2007 National VMT is a Preliminary Estimate and Subject to Change  
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**Blood Alcohol Concentration (BAC) Reporting Rates  
For Drivers/Motorcycle Riders (Operators)  
Involved in Fatal Crashes:  
Vermont , 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	Vermont	51	16	31	47	46	98	98	62	63
	US	31,738	8,196	26	26,779	18,836	70	58,517	27,032	46
	Best State*			76			98			83
2004	Vermont	59	28	47	66	63	95	125	91	73
	US	31,524	8,215	26	26,871	18,275	68	58,395	26,490	45
	Best State*			80			97			82
2005	Vermont	47	17	36	55	53	96	102	70	69
	US	31,729	7,415	23	27,491	18,773	68	59,220	26,188	44
	Best State*			77			98			84
2006	Vermont	37	12	32	68	67	99	105	79	75
	US	30,498	7,482	25	27,348	18,911	69	57,846	26,393	46
	Best State*			81			99			85
2007	Vermont	37	11	30	48	46	96	85	57	67
	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 Vermont , U.S. and Best State

Table with 4 columns: Year, State, Fatalities - Restrained\*\* (Percent), Observed - Restrained\*\*\* (Percent). Rows include years 2003-2007 and states Vermont, 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

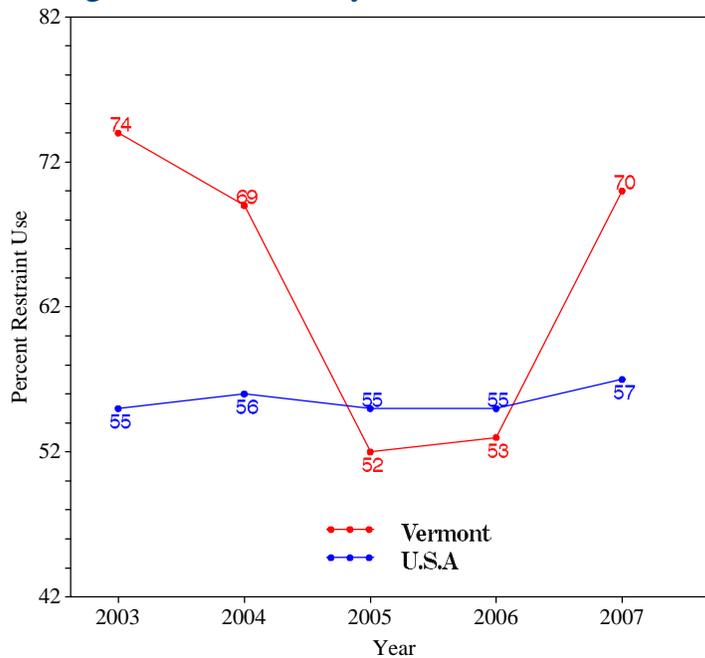
\*\*\*USA Data: National Occupant Protection Use Survey. Vermont Data: State Survey

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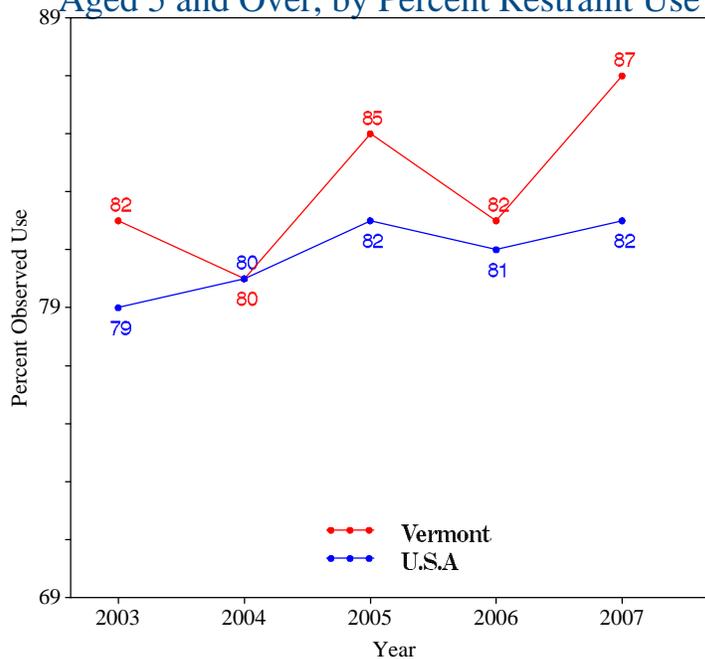
### Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use\*



\*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. Vermont 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	55	28	21	6	57	32	10
2004	76	38	36	2	51	41	14
2005	53	24	26	3	48	24	8
2006	72	33	35	4	49	42	15
2007	47	24	22	1	52	29	8

\*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	0	0	0	0		0	0
2004	0	0	0	0		0	0
2005	0	0	0	0		7	2
2006	0	0	0	0		0	0
2007	0	0	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 Helmet*	Lives Saved at Current Helmet Use	Potential Additional Lives Savable at 100% Usage
2003	3	2	1	0	67	1	0
2004	11	11	0	0	100	7	0
2005	14	13	1	0	93	8	0
2006	10	6	4	0	60	4	1
2007	7	5	2	0	71	3	1

\*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>	41	59	48	49	40	55	48	55	25	38
	<b>Light Truck - Pickup</b>	3	4	10	10	8	11	11	13	13	20
	<b>Light Truck - Utility</b>	9	13	14	14	3	4	10	11	6	9
	<b>Light Truck - Van</b>	2	3	4	4	2	3	4	5	3	5
	<b>Large Truck</b>	1	1	1	1	0	0	3	3	1	2
	<b>Other/Unknown Occupants</b>	2	3	2	2	3	4	1	1	7	11
	<b><i>Total Occupants</i></b>	58	84	79	81	56	77	77	89	55	83
<b>Motorcyclists</b>	<b><i>Total Motorcyclists</i></b>	3	4	11	11	14	19	10	11	7	11
<b>Nonoccupants</b>	<b>Pedestrian</b>	7	10	7	7	3	4	0	0	4	6
	<b>Bicyclist and Other Cyclist</b>	1	1	1	1	0	0	0	0	0	0
	<b><i>Total Nonoccupants</i></b>	8	12	8	8	3	4	0	0	4	6
<b>Total</b>	<b><i>Total</i></b>	69	100	98	100	73	100	87	100	66	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>	69	98	73	87	66
<b>- (1) Single Vehicle</b>	36	48	40	52	39
<b>- (2) Involving a Large Truck</b>	10	15	9	11	5
<b>- (3) Involving Speeding</b>	33	46	33	33	23
<b>- (4) Involving a Rollover</b>	21	33	21	32	23
<b>- (5) Involving a Roadway Departure</b>	47	66	52	74	42
<b>- (6) Involving an Intersection (or Intersection Related)</b>	10	13	14	10	6

(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	
2003	0	0	2	0	1	0	3
2004	2	2	0	2	5	0	11
2005	3	3	1	4	2	1	14
2006	0	3	1	3	1	2	10
2007	1	1	1	1	3	0	7

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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	3	26,332	11.39
2004	11	28,304	38.86
2005	14	22,467	62.31
2006	10	32,584	30.69
2007	7		

\*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
<b>Occupants (All Vehicle Types)</b>	<b>Hispanic</b>	0	4	0	0
	<b>White Non-Hispanic</b>	59	83	70	87
	<b>Black, Non-Hispanic</b>	2	1	0	0
	<b>Asian, Non-Hispanic/Unknown</b>	0	1	0	0
	<b>All Other Non-Hispanic or Race</b>	0	1	0	0
	<b>Total</b>	61	90	70	87
<b>Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)</b>					
	<b>Hispanic</b>	0	0	0	0
	<b>White Non-Hispanic</b>	8	8	3	0
	<b>Black, Non-Hispanic</b>	0	0	0	0
	<b>Asian, Non-Hispanic/Unknown</b>	0	0	0	0
	<b>All Other Non-Hispanic or Race</b>	0	0	0	0
	<b>Total</b>	8	8	3	0
<b>Total</b>	69	98	73	87	

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	Franklin County	9	9	4	12	10	13	9	5	14	15
2	Caledonia County	2	10	6	7	7	3	10	8	8	11
3	Washington County	10	10	3	10	7	14	10	4	11	11
4	Windham County	6	8	10	10	7	9	8	14	11	11
5	Chittenden County	11	14	7	9	6	16	14	10	10	9
6	Orange County	4	1	4	5	5	6	1	5	6	8
7	Orleans County	4	5	5	3	5	6	5	7	3	8
8	Rutland County	2	10	10	1	5	3	10	14	1	8
9	Addison County	3	5	2	9	4	4	5	3	10	6
10	Windsor County	4	13	9	7	4	6	13	12	8	6
<b>Sub Total 1.*</b>	<b>Top Ten Counties</b>	60	92	67	83	60	87	94	92	95	91
<b>Sub Total 2.**</b>	<b>All Other Counties</b>	9	6	6	4	6	13	6	8	5	9
<b>Total</b>	<b>All Counties</b>	69	98	73	87	66	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	Franklin County	9	9	4	12	10	0	-56	200	-17
2	Caledonia County	2	10	6	7	7	400	-40	17	0
3	Washington County	10	10	3	10	7	0	-70	233	-30
4	Windham County	6	8	10	10	7	33	25	0	-30
5	Chittenden County	11	14	7	9	6	27	-50	29	-33
6	Orange County	4	1	4	5	5	-75	300	25	0
7	Orleans County	4	5	5	3	5	25	0	-40	67
8	Rutland County	2	10	10	1	5	400	0	-90	400
9	Addison County	3	5	2	9	4	67	-60	350	-56
10	Windsor County	4	13	9	7	4	225	-31	-22	-43
<b>Sub Total 1.*</b>	<b>Top Ten Counties</b>	60	92	67	83	60	53	-27	24	-28
<b>Sub Total 2.**</b>	<b>All Other Counties</b>	9	6	6	4	6	-33	0	-33	50
<b>Total</b>	<b>All Counties</b>	69	98	73	87	66	42	-26	19	-24

\*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	Essex County	30.69	15.33	0.00	0.00	30.79
2	Caledonia County	6.68	33.02	19.73	22.81	22.83
3	Franklin County	19.23	19.05	8.41	25.11	20.86
4	Orleans County	14.84	18.44	18.33	11.02	18.31
5	Orange County	13.87	3.45	13.80	17.18	17.24
6	Windham County	13.60	18.22	22.87	22.90	16.10
7	Washington County	17.02	17.01	5.08	16.94	11.88
8	Addison County	8.25	13.69	5.47	24.58	10.88
9	Lamoille County	16.54	32.92	16.34	36.58	8.11
10	Rutland County	3.15	15.80	15.78	1.58	7.90
	<b>Sub Rate 1.*</b> <i>Top Ten Counties</i>	15.78	19.97	16.61	19.62	14.65
	<b>Sub Rate 2.**</b> <i>All Other Counties</i>	6.33	8.51	4.75	4.38	4.75
	<b>Total Rate</b> <i>All Counties</i>	11.18	15.84	11.78	14.01	10.62

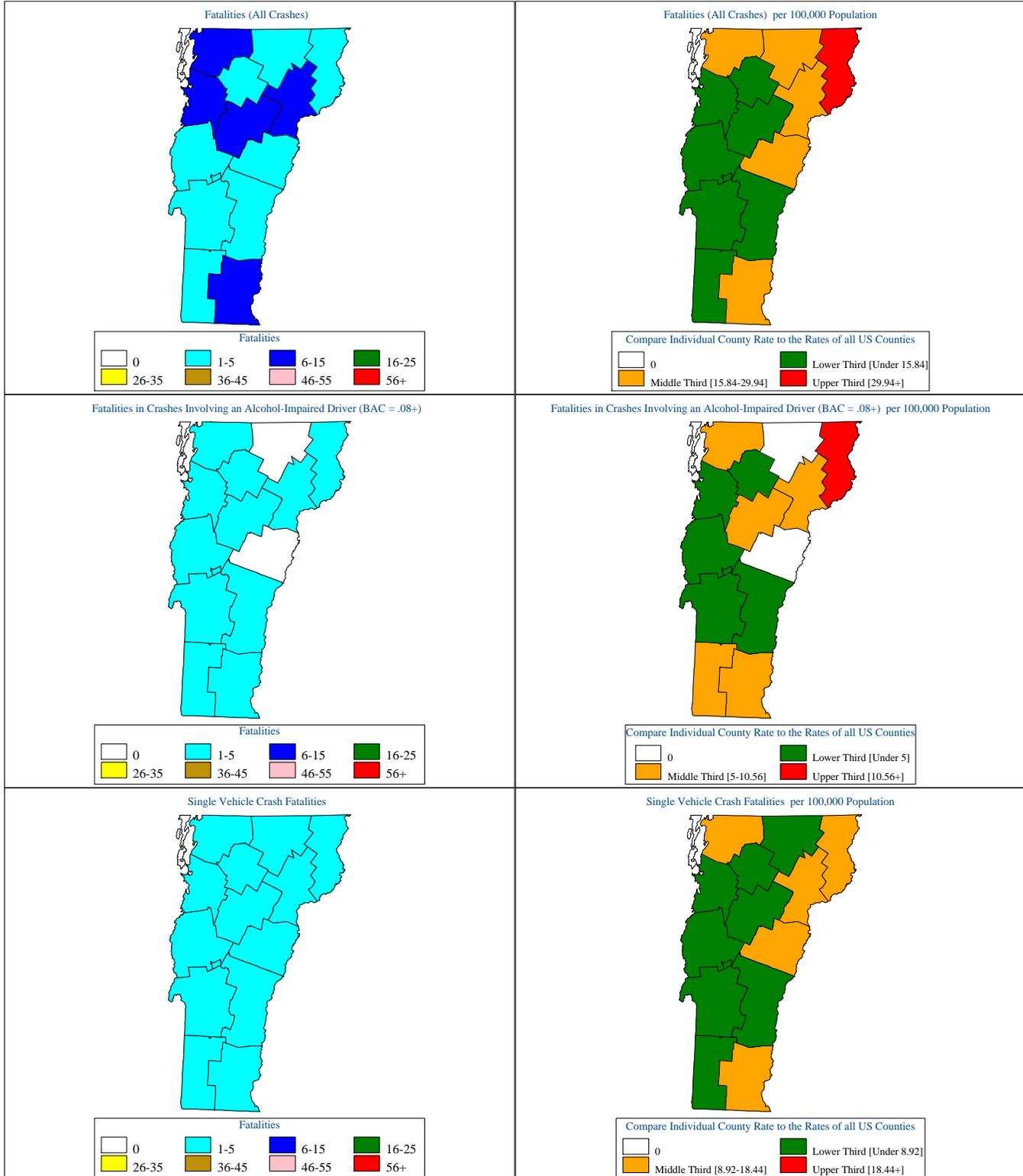
\*This Sub Rate is the Rate for the Top Ten Counties

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

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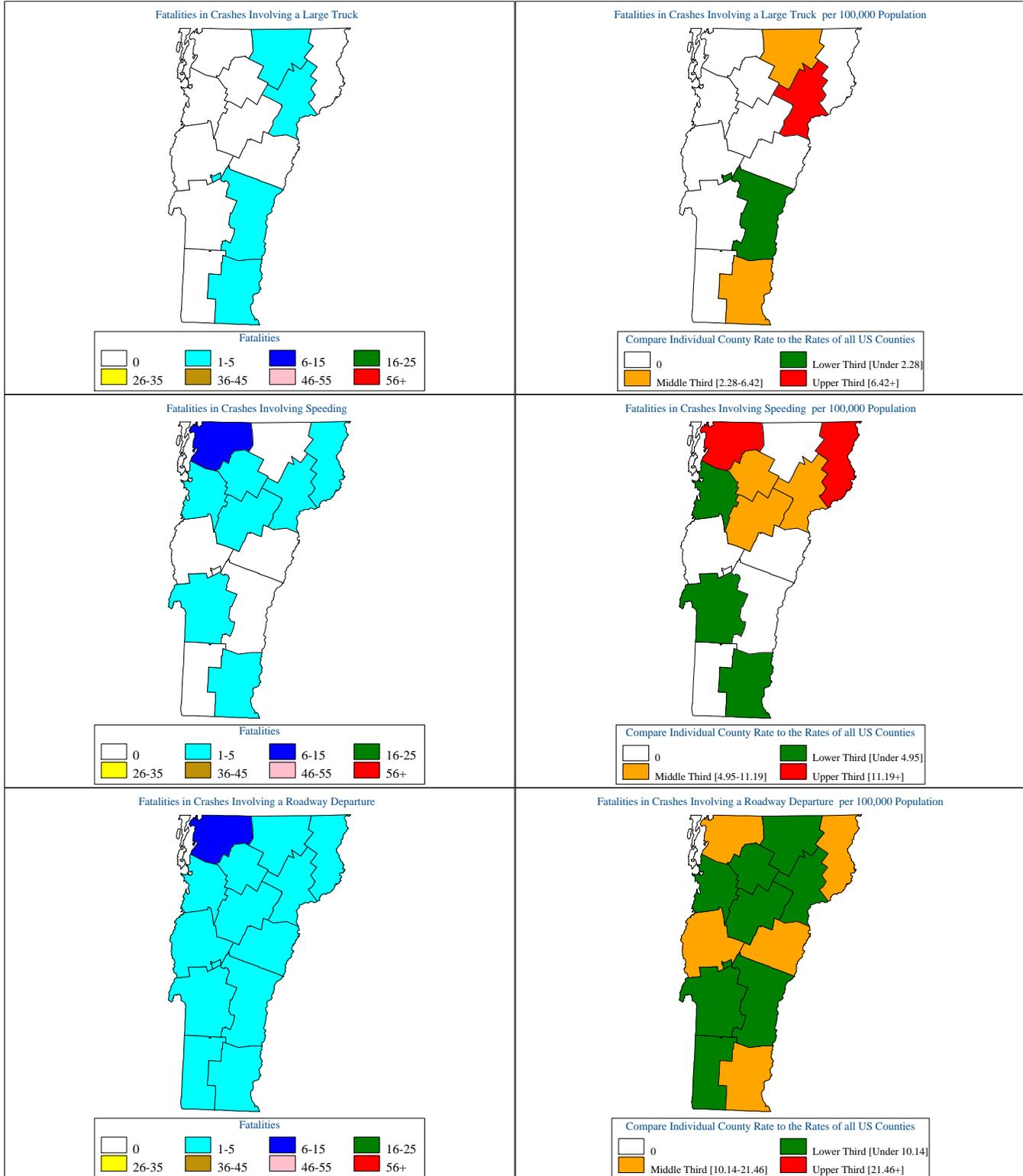
### Vermont Motor Vehicle Crash Fatality Maps for 2007



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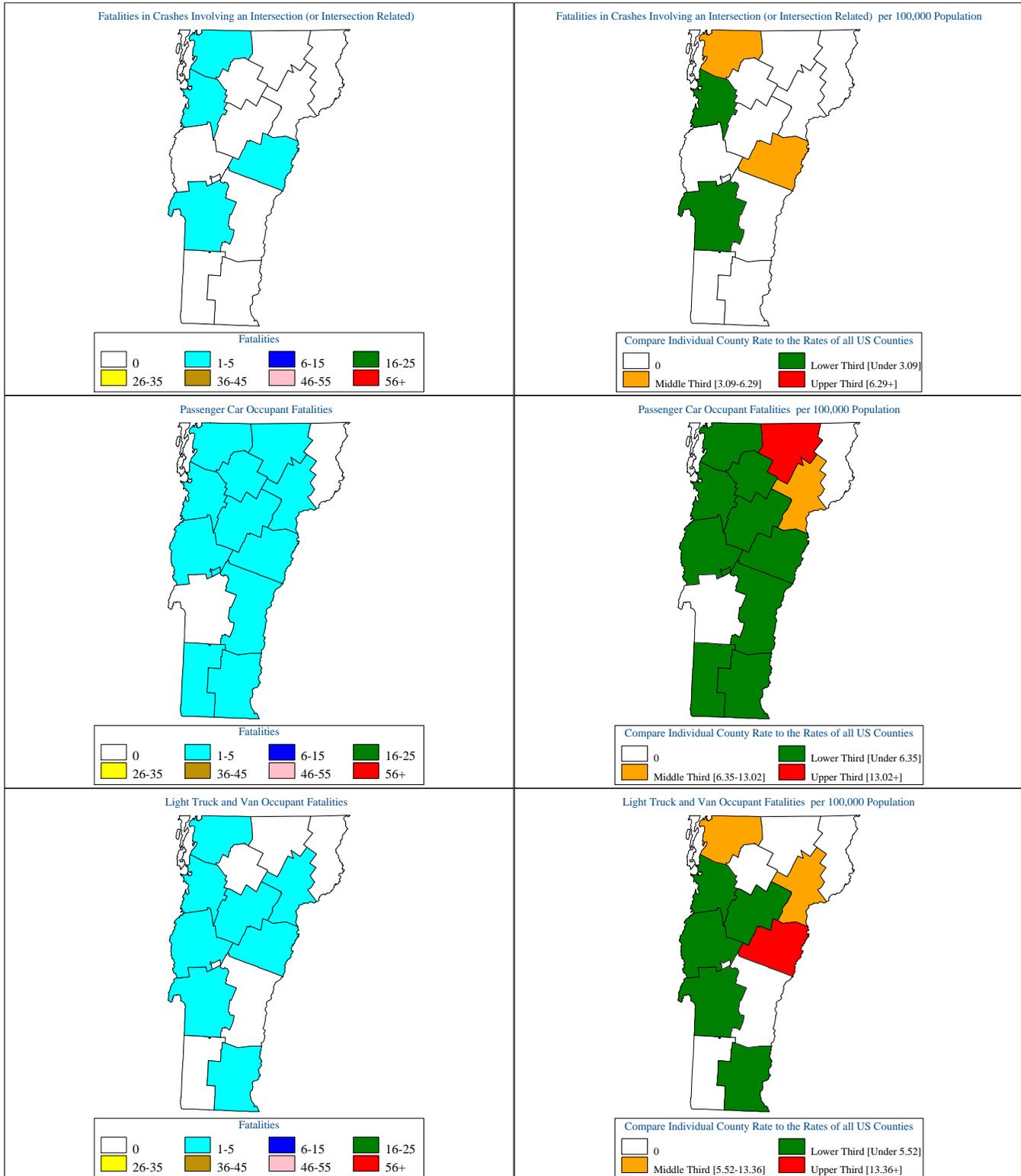
### Vermont Motor Vehicle Crash Fatality Maps for 2007



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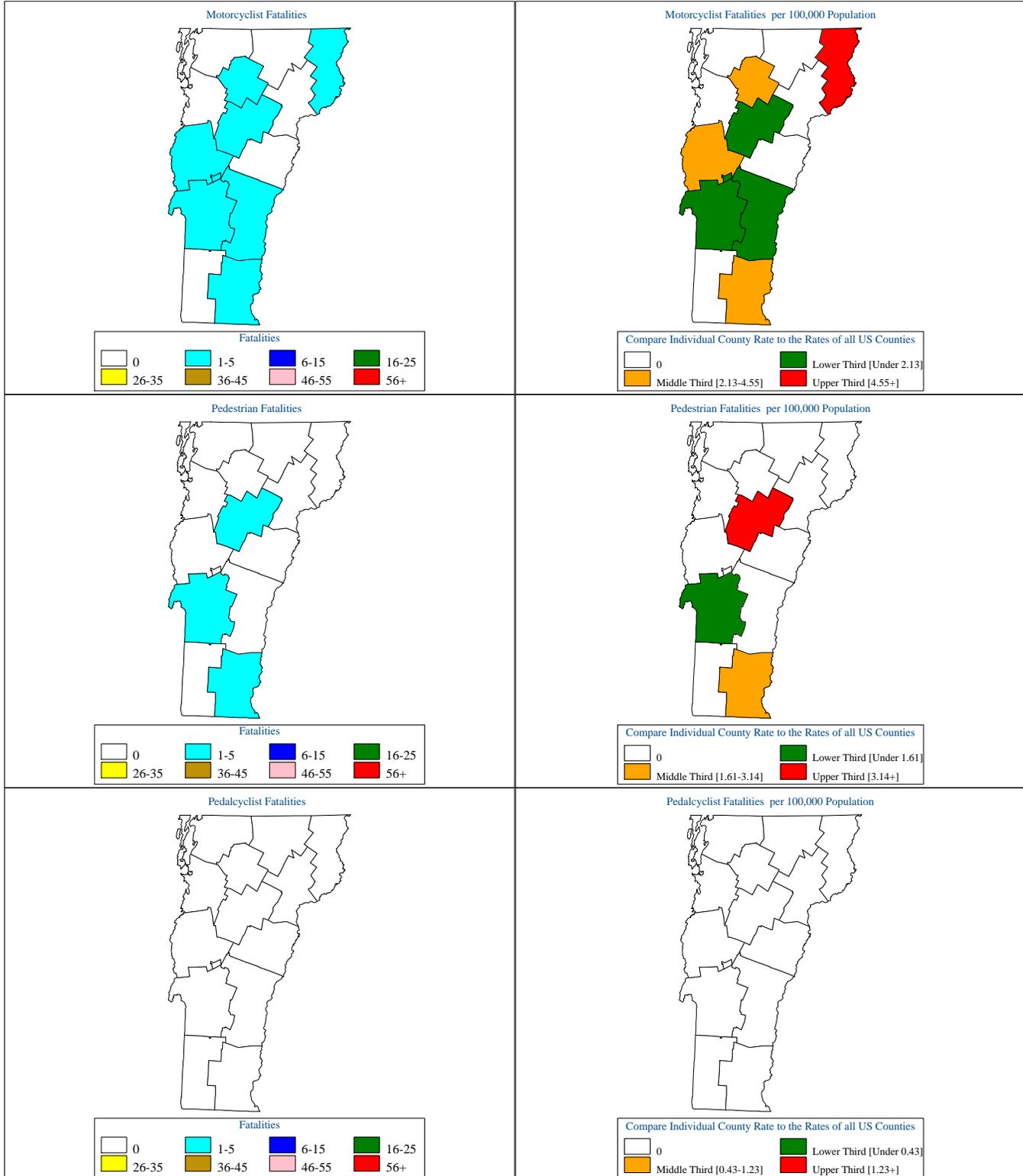
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