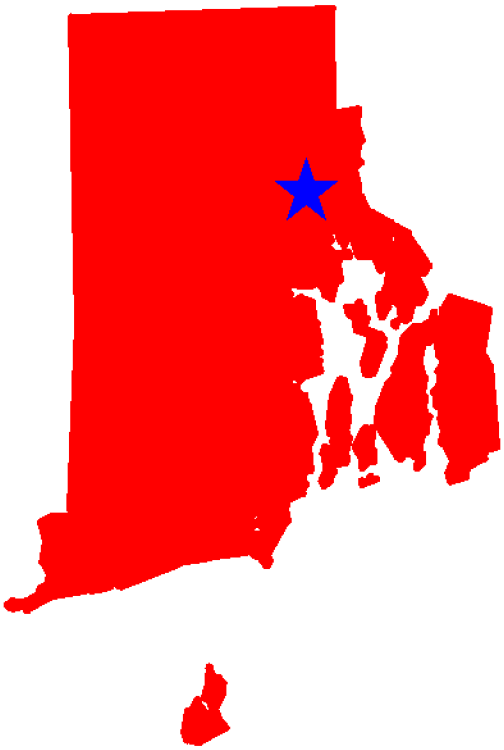
Traffic Safety Facts
Rhode Island
2003-2007



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 Rhode Island 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 Rhode Island *

Core Outcome Measures		Year				
		2003	2004	2005	2006	2007
Total Traffic Fatalities		104	83	87	81	69
Fatalities Per 100 Million Vehicle Miles Driven**	**Total**	1.24	0.98	1.05	0.98	
	Rural	2.10	2.16	1.32	1.02	
	Urban	1.15	0.84	1.02	0.97	
Passenger Vehicle Occupant Fatalities (All Seat Positions)	**Total**	74	65	58	47	41
	Restrained	23	18	20	12	14
	Unrestrained	47	47	37	35	19
	Unknown	4	0	1	0	8
Alcohol-Impaired Driving Fatalities (BAC=.08+)* **		50	38	34	30	25
Speeding-Related Fatalities		55	45	40	42	14
Motorcyclist Fatalities	**Total**	13	10	14	16	13
	Helmeted	7	3	8	5	3
	Unhelmeted	6	7	6	11	9
	Unknown	0	0	0	0	1
Drivers Involved in Fatal Crashes	**Total**	141	115	113	99	78
	Aged Under 15	0	0	0	0	1
	Aged 15-20	25	17	20	14	15
	Aged Under 21	25	17	20	14	16
	Aged 21 and Over	115	96	91	83	61
	Unknown Age	1	2	2	2	1
Pedestrian Fatalities		13	7	14	15	13

*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: Rhode Island , 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	Rhode Island	104	8,365	1.24	1,072,629	9.70
	US	42,884	2,890,450	1.48	290,447,644	14.76
	Best State*			0.83		7.18
2004	Rhode Island	83	8,473	0.98	1,072,859	7.74
	US	42,836	2,964,788	1.44	293,191,511	14.61
	Best State*			0.87		7.40
2005	Rhode Island	87	8,300	1.05	1,066,721	8.16
	US	43,510	2,989,430	1.46	295,895,897	14.70
	Best State*			0.80		6.86
2006	Rhode Island	81	8,300	0.98	1,061,641	7.63
	US	42,708	3,014,116	1.42	298,754,819	14.30
	Best State*			0.78		6.32
2007	Rhode Island	69			1,057,832	6.52
	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**: Rhode Island , 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	Number	Percent	Per 100 Million VMT
2003	Rhode Island	104	59	57	54	52	0.65
	US	42,884	17,105	40	14,678	34	0.51
	Best State*			15		13	0.16
2004	Rhode Island	83	43	52	41	49	0.48
	US	42,836	16,919	39	14,593	34	0.49
	Best State*			25		21	0.27
2005	Rhode Island	87	48	55	37	43	0.45
	US	43,510	17,590	40	15,102	35	0.51
	Best State*			14		12	0.14
2006	Rhode Island	81	43	53	35	43	0.42
	US	42,708	17,738	42	15,144	35	0.50
	Best State*			24		20	0.22
2007	Rhode Island	69	36	52	28	41	
	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**: Rhode Island , 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	Rhode Island	104	50	48	0.60
	US	42,884	13,096	31	0.45
	Best State*			12	0.15
2004	Rhode Island	83	38	46	0.45
	US	42,836	13,099	31	0.44
	Best State*			20	0.25
2005	Rhode Island	87	34	39	0.41
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	Rhode Island	81	30	37	0.36
	US	42,708	13,491	32	0.45
	Best State*			18	0.20
2007	Rhode Island	69	25	36	
	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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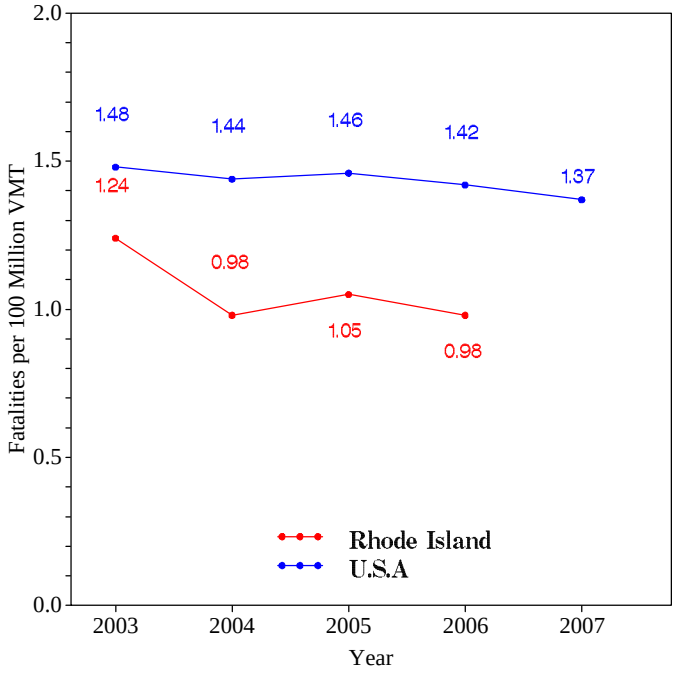
Fatalities per 100 Million VMT



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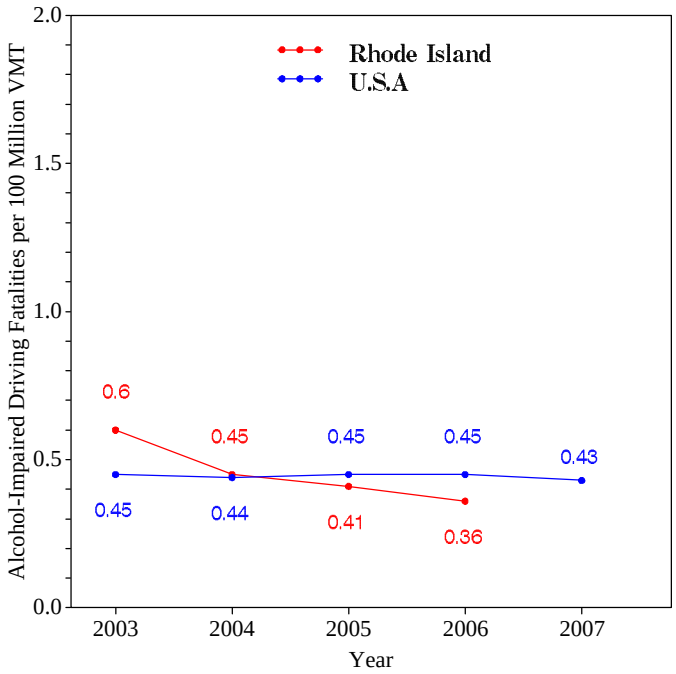
Alcohol-Impaired Driving Fatalities per 100 Million VMT



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: Rhode Island , 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	Rhode Island	74	3	4	67	63	94	141	66	47
	US	31,738	8,196	26	26,779	18,836	70	58,517	27,032	46
	Best State*			76			98			83
2004	Rhode Island	60			55	47	85	115		
	US	31,524	8,215	26	26,871	18,275	68	58,395	26,490	45
	Best State*			80			97			82
2005	Rhode Island	64	2	3	49	43	88	113	45	40
	US	31,729	7,415	23	27,491	18,773	68	59,220	26,188	44
	Best State*			77			98			84
2006	Rhode Island	51	3	6	48	44	92	99	47	47
	US	30,498	7,482	25	27,348	18,911	69	57,846	26,393	46
	Best State*			81			99			85
2007	Rhode Island	38	1	3	40	25	63	78	26	33
	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
Rhode Island , U.S. and Best State

Year		Fatalities - Restrained**	Observed - Restrained***
		Percent	Percent
2003	Rhode Island	48	74
	US	55	79
	Best State*	74	95
2004	Rhode Island	40	76
	US	56	80
	Best State*	82	95
2005	Rhode Island	38	75
	US	55	82
	Best State*	88	95
2006	Rhode Island	47	
	US	55	81
	Best State*	77	96
2007	Rhode Island	50	79
	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. Rhode Island 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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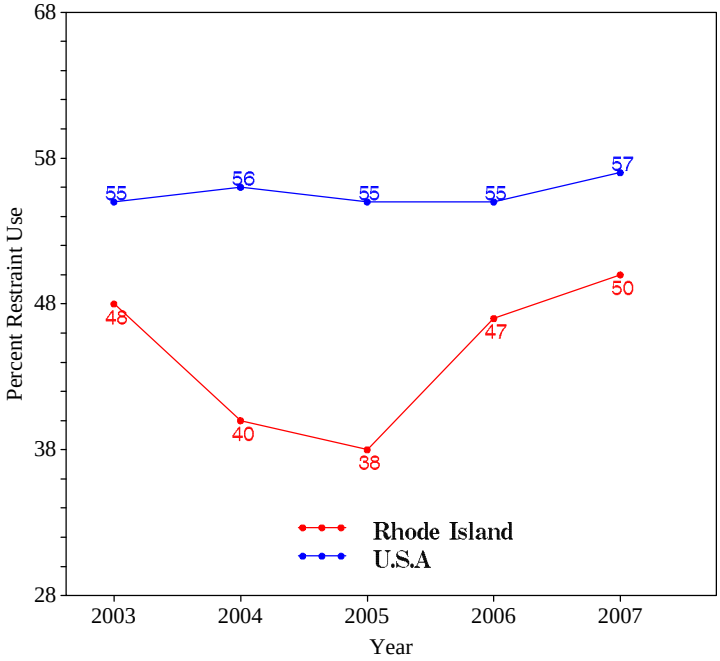
Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use*



*Percent Based Only Where Restraint Use Was Known

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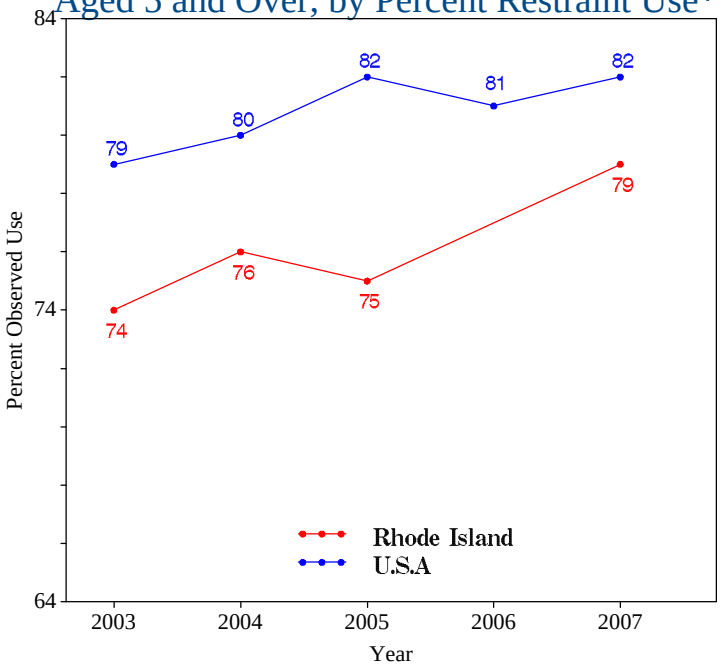
Daytime Front Seat (Outboard Only) Passenger Vehicle Occupants Observed, Aged 5 and Over, by Percent Restraint Use*



*USA Data: National Occupant Protection Use Survey. Rhode Island 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	73	22	47	4	32	25	15
2004	65	18	47	0	28	17	12
2005	57	19	37	1	34	18	11
2006	47	12	35	0	26	10	9
2007	41	14	19	8	42	15	7

*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	1	1	0	0	100	0	0
2004	0	0	0	0		0	0
2005	1	1	0	0	100	1	0
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	13	7	6	0	54	4	2
2004	10	3	7	0	30	2	2
2005	14	8	6	0	57	5	2
2006	16	5	11	0	31	3	4
2007	13	3	9	1	25	2	4

*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	
		#	%*	#	%*	#	%*	#	%*	#	%*
Occupants	**Passenger Car**	54	52	50	60	43	49	40	49	33	48
	Light Truck - Pickup	8	8	4	5	2	2	3	4	3	4
	Light Truck - Utility	8	8	6	7	8	9	3	4	4	6
	Light Truck - Van	4	4	5	6	5	6	1	1	1	1
	Large Truck	2	2	0	0	0	0	2	2	0	0
	Other/Unknown Occupants	0	0	1	1	0	0	0	0	1	1
	Total Occupants	76	73	66	80	58	67	49	60	42	61
Motorcyclists	***Total Motorcyclists***	13	13	10	12	14	16	16	20	13	19
Nonoccupants	**Pedestrian**	13	13	7	8	14	16	15	19	13	19
	Bicyclist and Other Cyclist	1	1	0	0	1	1	1	1	1	1
	Other/Unknown Nonoccupants	1	1	0	0	0	0	0	0	0	0
	Total Nonoccupants	15	14	7	8	15	17	16	20	14	20
Total	***Total***	104	100	83	100	87	100	81	100	69	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
Total Fatalities (All Crashes)*	104	83	87	81	69
- (1) Single Vehicle	67	55	55	52	54
- (2) Involving a Large Truck	6	5	1	8	7
- (3) Involving Speeding	55	45	40	42	14
- (4) Involving a Rollover	20	23	18	19	17
- (5) Involving a Roadway Departure	71	52	55	49	43
- (6) Involving an Intersection (or Intersection Related)	29	31	19	25	15

(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	1	5	4	2	1	0	13
2004	1	3	1	4	1	0	10
2005	1	6	3	3	0	1	14
2006	0	3	3	8	2	0	16
2007	0	4	1	3	4	1	13

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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	13	24,589	52.87
2004	10	26,506	37.73
2005	14	28,644	48.88
2006	16	31,125	51.41
2007	13		

*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**	6	7	4	6
	White Non-Hispanic	26	17	19	54
	Black, Non-Hispanic	2	3	2	4
	American Indian, Non-Hispanic/Unknown	0	1	0	1
	Asian, Non-Hispanic/Unknown	0	0	1	0
	All Other Non-Hispanic or Race	55	48	46	0
	Total	89	76	72	65
Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)					
	Hispanic	1	1	1	1
	White Non-Hispanic	5	0	5	14
	Black, Non-Hispanic	0	2	0	0
	American Indian, Non-Hispanic/Unknown	0	0	0	0
	Asian, Non-Hispanic/Unknown	0	0	0	0
	All Other Non-Hispanic or Race	9	4	9	1
	Total	15	7	15	16
Total		104	83	87	81

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	Providence County	47	49	53	51	40	45	59	61	63	58
2	Kent County	21	15	7	10	10	20	18	8	12	14
3	Washington County	20	12	15	10	8	19	14	17	12	12
4	Newport County	10	6	9	8	6	10	7	10	10	9
5	Bristol County	6	1	3	2	5	6	1	3	2	7
*Sub Total 1.**	*Top Ten Counties*	104	83	87	81	69	100	100	100	100	100
Total	*All Counties*	104	83	87	81	69	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	Providence County	47	49	53	51	40	4	8	-4	-22
2	Kent County	21	15	7	10	10	-29	-53	43	0
3	Washington County	20	12	15	10	8	-40	25	-33	-20
4	Newport County	10	6	9	8	6	-40	50	-11	-25
5	Bristol County	6	1	3	2	5	-83	200	-33	150
*Sub Total 1.**	*Top Ten Counties*	104	83	87	81	69	-20	5	-7	-15
Total	*All Counties*	104	83	87	81	69	-20	5	-7	-15

*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	Bristol County	11.78	1.96	5.93	3.98	9.98
2	Newport County	11.72	7.10	10.86	9.60	7.25
3	Providence County	7.37	7.68	8.35	8.08	6.35
4	Washington County	15.65	9.36	11.74	7.87	6.30
5	Kent County	12.27	8.76	4.10	5.90	5.93
*Sub Rate 1.**	*Top Ten Counties*	9.70	7.74	8.16	7.63	6.52
Total Rate	*All Counties*	9.70	7.74	8.16	7.63	6.52

*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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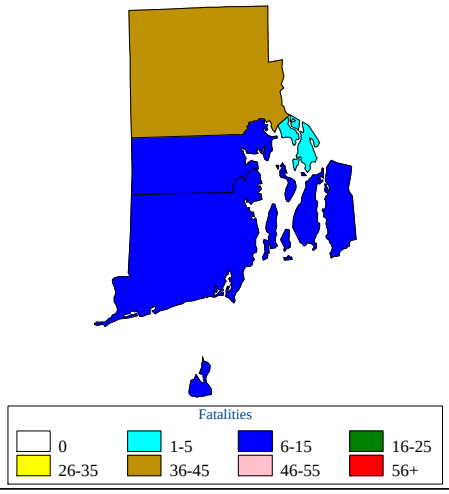
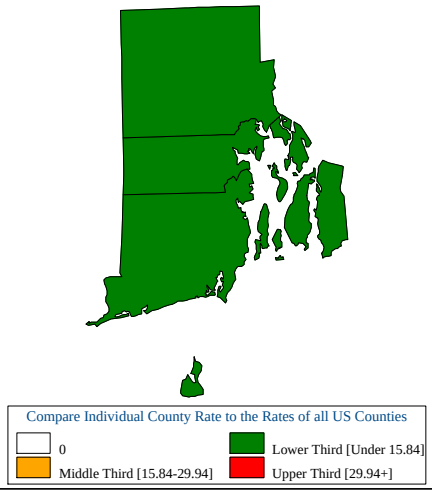
Rhode Island Motor Vehicle Crash Fatality Maps for 2007

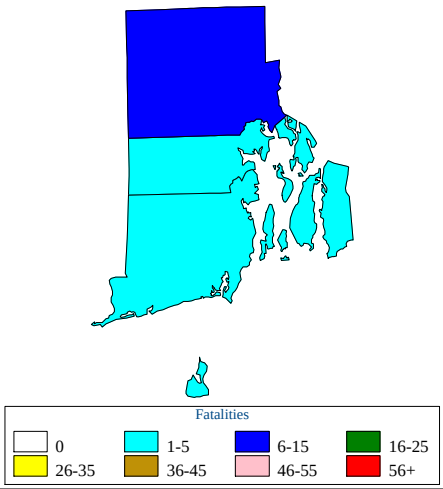
Fatalities (All Crashes)



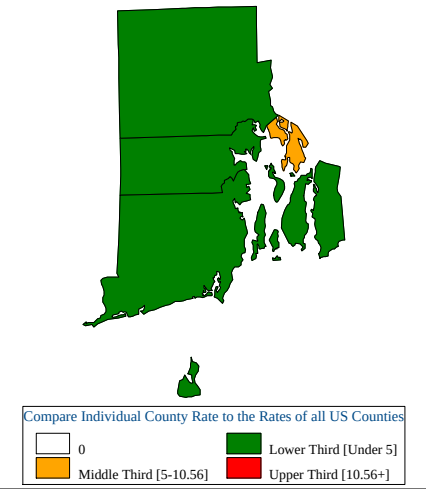
Fatalities (All Crashes) per 100,000 Population



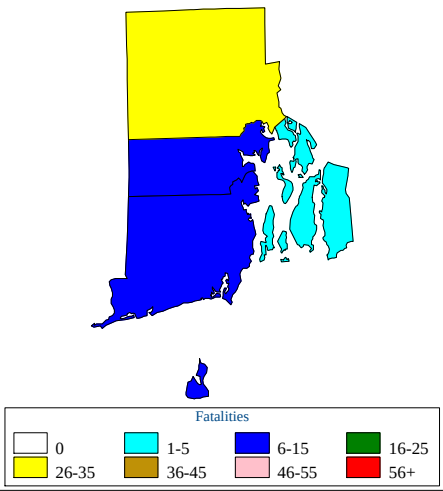
Fatalities in Crashes Involving an Alcohol-Impaired Driver (BAC = .08+)



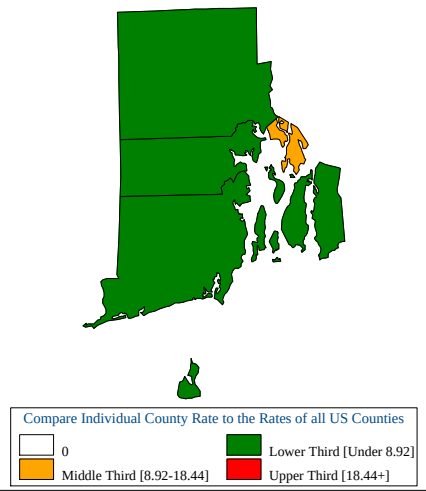
Fatalities in Crashes Involving an Alcohol-Impaired Driver (BAC = .08+) per 100,000 Population



Single Vehicle Crash Fatalities



Single Vehicle Crash Fatalities per 100,000 Population



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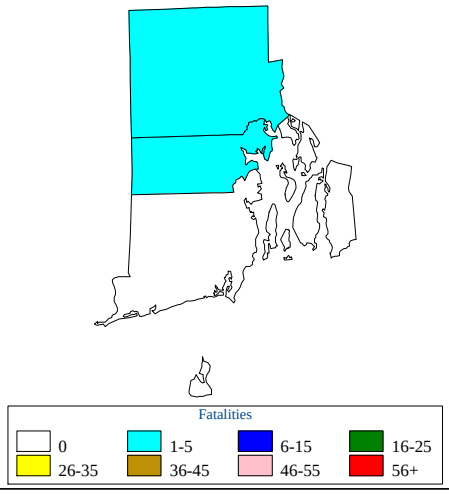
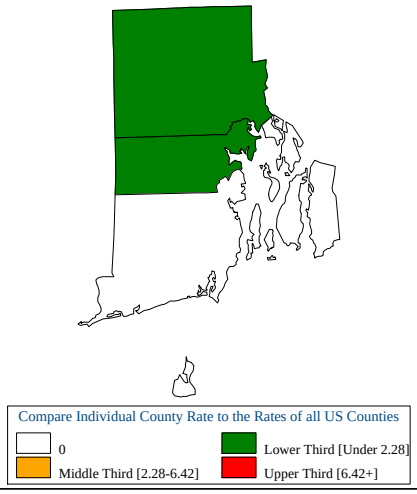
Rhode Island Motor Vehicle Crash Fatality Maps for 2007

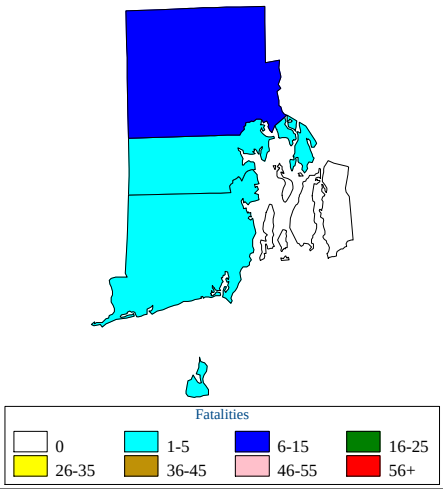
Fatalities in Crashes Involving a Large Truck



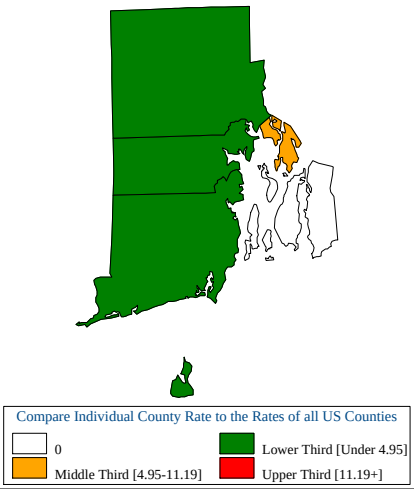
Fatalities in Crashes Involving a Large Truck per 100,000 Population



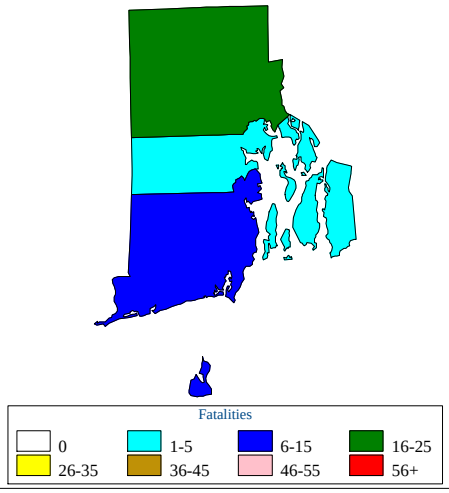
Fatalities in Crashes Involving Speeding



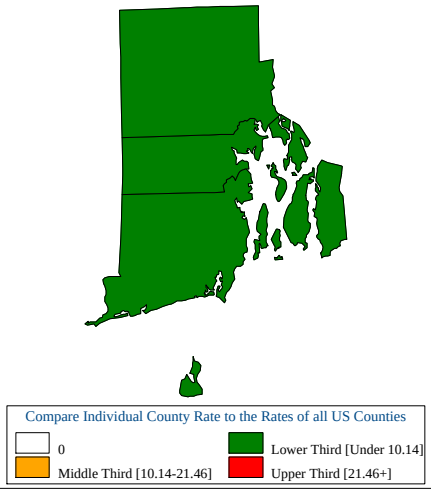
Fatalities in Crashes Involving Speeding per 100,000 Population



Fatalities in Crashes Involving a Roadway Departure



Fatalities in Crashes Involving a Roadway Departure per 100,000 Population



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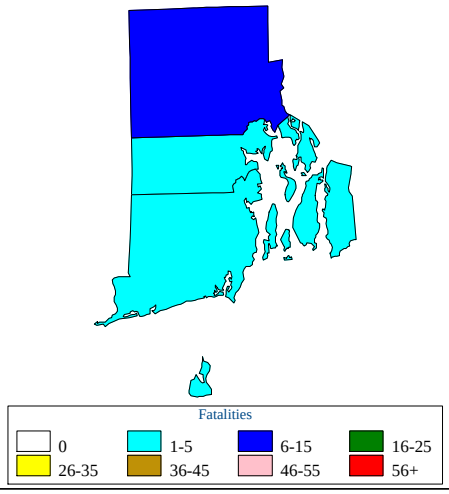
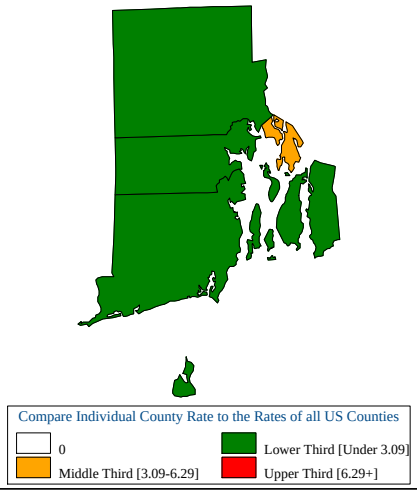
Rhode Island Motor Vehicle Crash Fatality Maps for 2007

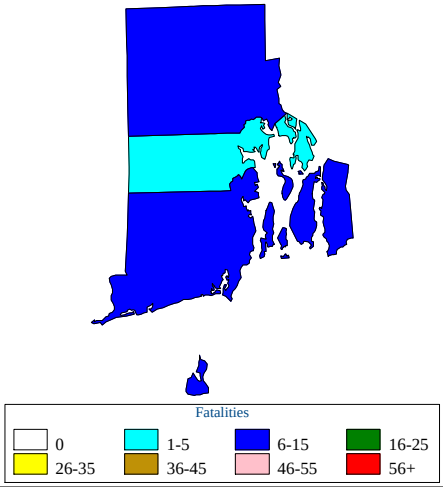
Fatalities in Crashes Involving an Intersection (or Intersection Related)



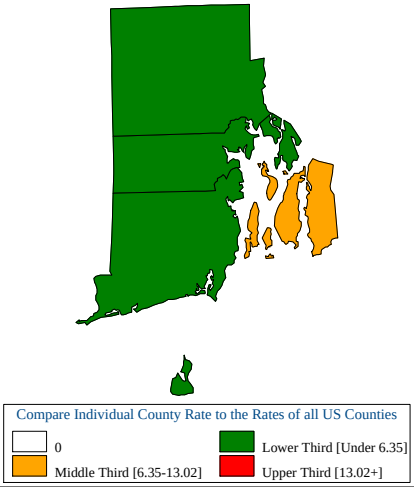
Fatalities in Crashes Involving an Intersection (or Intersection Related) per 100,000 Population



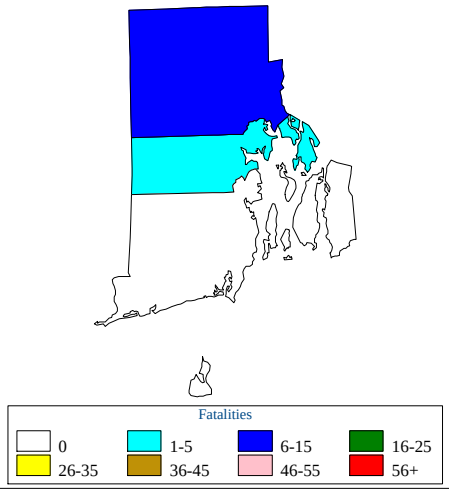
Passenger Car Occupant Fatalities



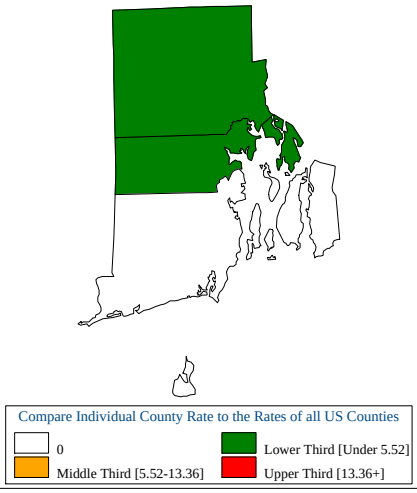
Passenger Car Occupant Fatalities per 100,000 Population



Light Truck and Van Occupant Fatalities



Light Truck and Van Occupant Fatalities per 100,000 Population



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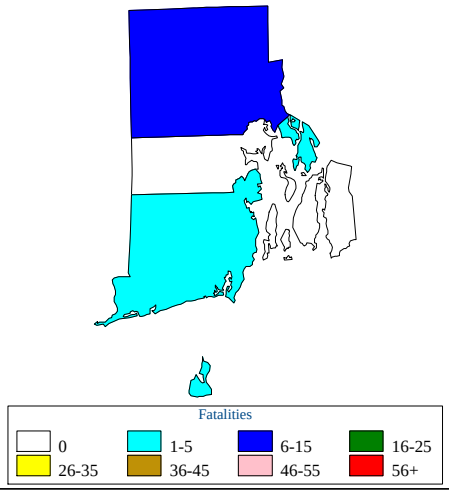
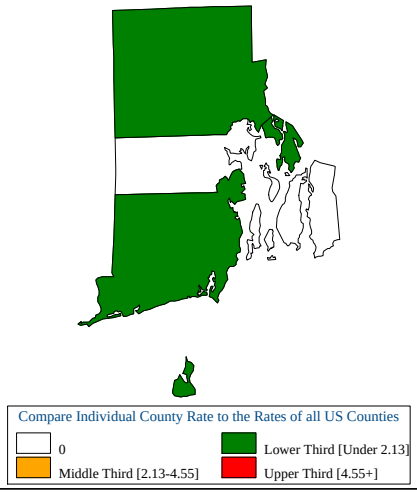
Rhode Island Motor Vehicle Crash Fatality Maps for 2007

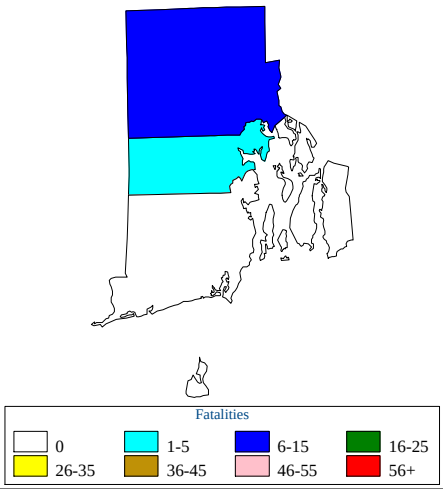
Motorcyclist Fatalities



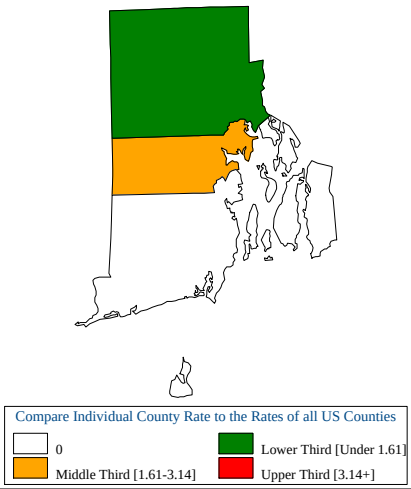
Motorcyclist Fatalities per 100,000 Population



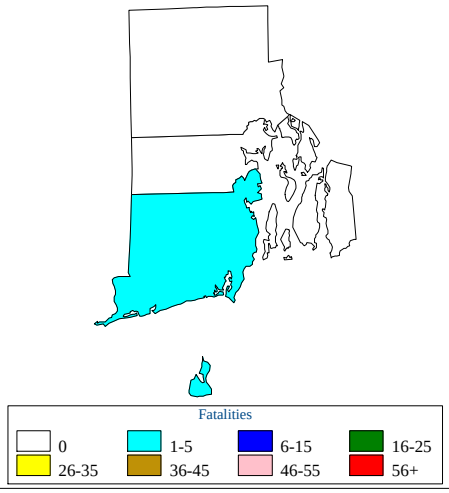
Pedestrian Fatalities



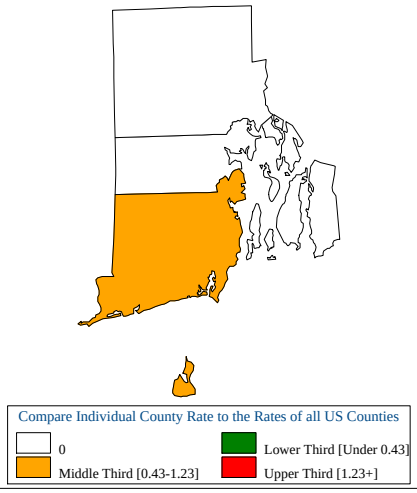
Pedestrian Fatalities per 100,000 Population



Pedalcyclist Fatalities



Pedalcyclist Fatalities per 100,000 Population



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