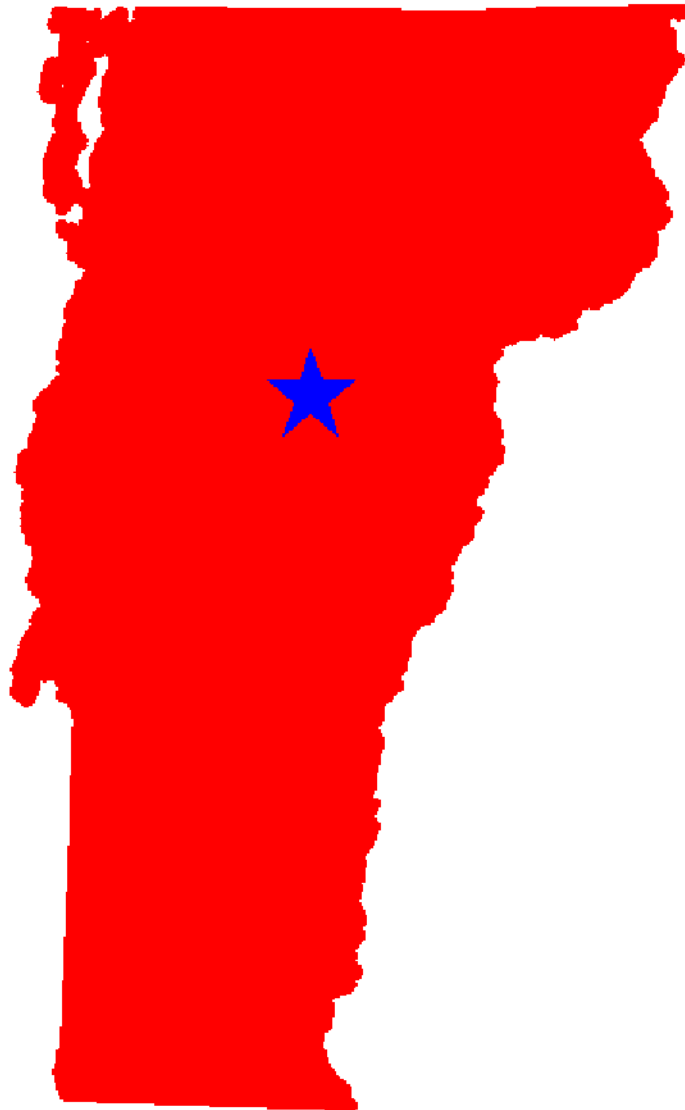




Traffic Safety Facts
Vermont
2013-2017



This Report Contains Data From the Following Sources:

Fatality Data - NCSA Fatality Analysis Reporting System (FARS): 2013-2016 Final File and 2017 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



Table of Contents (Listed by Table Title and Page Number)

3. Traffic Safety Performance Measures
4. Fatality Rates: Vermont , U.S. and Best State
5. Alcohol-Impaired Driving Fatalities: Vermont , U.S. and Best State
6. Fatalities Per 100 Million VMT: Vermont , U.S.
6. Alcohol-Impaired Driving Fatalities Per 100 Million VMT: Vermont , U.S.
7. Blood Alcohol Concentration (BAC) Reporting Rates For Drivers/Motorcycle Rider (Operators) Involved in Fatal Crashes: Vermont , U.S. and Best State
8. Front Seat Passenger Vehicle Occupants, Aged 5 and Over, by Restraint Use: Fatalities and Observed Vermont , U.S. and Best State
9. Front Seat Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use: Vermont , U.S.
9. Front Seat Passenger Vehicle Occupants Observed, Aged 5 and Over, by Percent Restraint Use: Vermont , U.S.
10. Passenger Vehicle Occupant Fatalities Aged 5 and Above by Restraint Use and Lives Saved Estimates
10. Passenger Vehicle Occupant Fatalities Aged Under 5 by Restraint Use and Lives Saved Estimates
11. Motorcyclist Fatalities by Helmet Use and Lives Saved Estimates
12. Fatalities by Person Type
13. Fatalities by Crash Type
14. Motorcyclist Fatalities by Age
14. Motorcyclist Fatalities Per 100,000 Registered Motorcycles
15. Fatalities by Person Type and Race/Hispanic Origin
16. Top 10 Counties for Fatalities
17. Top 10 Counties for Fatalities: Year to Year Percent Change
18. Top 10 Counties for Fatality Rates
19. Motor Vehicle Crash Fatality Maps:
Total Fatalities, Alcohol-Impaired Driving Fatalities, Single Vehicle Crash Fatalities
20. Motor Vehicle Crash Fatality Maps:
Large Truck Crash Fatalities, Speeding Involved Fatalities, Roadway Departure Fatalities
21. Motor Vehicle Crash Fatality Maps:
Intersection Fatalities, Passenger Car Occupants, Light Truck and Van Occupants
22. Motor Vehicle Crash Fatality Maps:
Motorcyclist Fatalities, Pedestrian Fatalities, Pedestrian Fatalities



Traffic Safety Performance (Core Outcome) Measures* For Vermont

Core Outcome Measures		Year									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Traffic Fatalities	Total (C-1)	73	74	71	55	77	69	44	57	62	69
	Rural	60	68	54	42	63	58	37	48	52	56
	Urban	13	6	17	13	14	11	7	9	10	13
	Unknown	0	0	0	0	0	0	0	0	0	0
Fatalities Per 100 Million VMT**	Total (C-3)	1.00	0.97	0.98	0.77	1.07	0.97	0.62	0.78	0.84	
	Rural	1.10	1.18	1.00	0.80	1.18	1.10	0.74	0.92	0.99	
	Urban	0.69	0.32	0.92	0.70	0.75	0.59	0.34	0.43	0.47	
Passenger Vehicle Occupant Fatalities (All Seat Positions)	Total	63	54	55	42	52	51	27	34	45	45
	Restrained	31	22	23	24	17	28	11	14	24	21
	Unrestrained (C-4)	27	28	31	17	34	21	14	17	20	20
	Unknown	5	4	1	1	1	2	2	3	1	4
Alcohol-Impaired Driving Fatalities (BAC=.08+)***(C-5)		12	24	18	18	24	19	8	15	28	18
Speeding-Related Fatalities (C-6)		25	22	27	20	33	18	15	21	29	31
Motorcyclist Fatalities	Total (C-7)	7	8	6	8	11	7	7	11	11	13
	Helmeted	7	6	6	7	9	5	6	11	9	13
	Unhelmeted (C-8)	0	2	0	1	2	2	1	0	2	0
	Unknown	0	0	0	0	0	0	0	0	0	0
Drivers Involved in Fatal Crashes	Total	102	97	87	66	96	89	60	69	77	93
	Aged Under 15	0	0	0	0	0	0	1	0	0	0
	Aged 15-20	14	10	6	7	7	10	6	5	3	5
	Aged Under 21 (C-9)	14	10	6	7	7	10	7	5	3	5
	Aged 21 and Over	88	87	81	59	88	78	53	64	74	88
	Unknown Age	0	0	0	0	1	1	0	0	0	0
Pedestrian Fatalities (C-10)		1	5	4	3	10	5	5	5	4	8
Bicyclist and Other Cyclist Fatalities***** (C-11)		0	0	1	0	0	0	0	4	1	0
Observed Seat Belt Use**** (B-1)		87	85	85	85	84	85	84	85	80	85

*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)

**2017 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

Based on the BAC of All Involved Drivers and Motorcycle Riders (Operators) Only *Vermont Data: State Survey

*****On March 11th, 2014 GHSA and NHTSA agreed on bike fatalities as a newly required performance core measure

[Back To The Table of Contents](#)



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
2013	Vermont	69	7,116	0.97	626,044	11.02
	US	32,893	2,988,280	1.10	316,234,505	10.40
	Best State*			0.57		3.08
2014	Vermont	44	7,059	0.62	625,665	7.03
	US	32,744	3,025,656	1.08	318,622,525	10.28
	Best State*			0.62		3.48
2015	Vermont	57	7,314	0.78	624,455	9.13
	US	35,484	3,095,373	1.15	321,039,839	11.05
	Best State*			0.57		3.42
2016	Vermont	62	7,382	0.84	623,354	9.95
	US	37,806	3,174,408	1.19	323,405,935	11.69
	Best State*			0.63		3.95
2017	Vermont	69			623,657	11.06
	US	37,133			325,719,178	11.40
	Best State*					4.47

*State (or States) With Lowest Rates: Lowest VMT and Population Rates Could Be in Different States
 2017 National VMT is a Preliminary Estimate and Subject to Change
 2017 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

[Back To The Table of Contents](#)



Alcohol-Impaired Driving Fatalities**:
Vermont , U.S. and Best State

Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)		
			Number	Percent	Per 100 Million VMT
2013	Vermont	69	19	28	0.27
	US	32,893	10,084	31	0.34
	Best State*			17	0.14
2014	Vermont	44	8	18	0.11
	US	32,744	9,943	30	0.33
	Best State*			18	0.11
2015	Vermont	57	15	26	0.21
	US	35,484	10,280	29	0.33
	Best State*			17	0.14
2016	Vermont	62	28	45	0.38
	US	37,806	10,996	29	0.35
	Best State*			19	0.16
2017	Vermont	69	18	26	
	US	37,133	10,874	29	
	Best State*			19	

*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

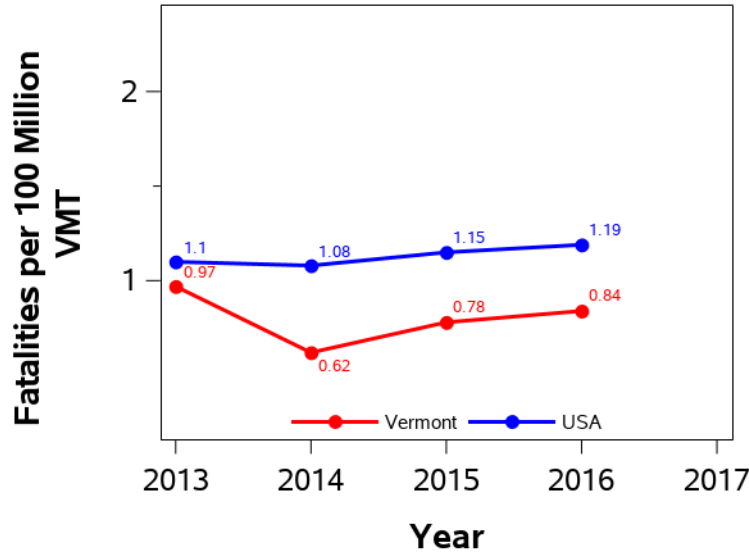
2017 National VMT is a Preliminary Estimate and Subject to Change

2017 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

[Back To The Table of Contents](#)

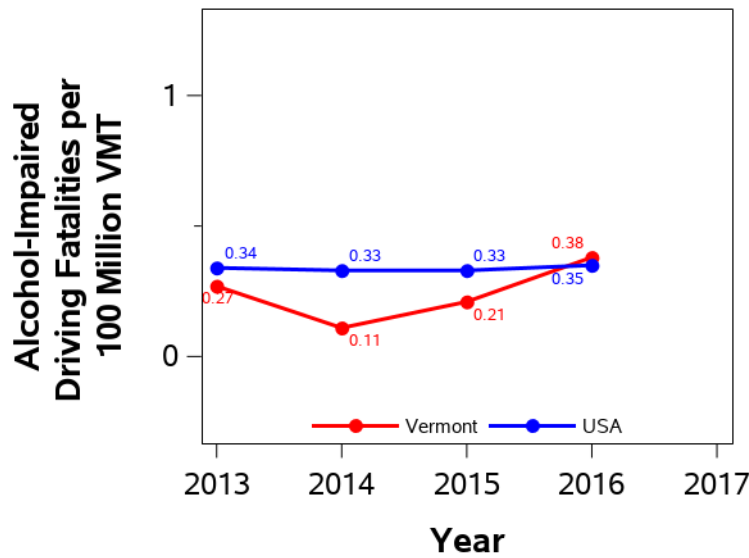


Fatalities per 100 Million VMT



[Back To The Table of Contents](#)

Alcohol-Impaired Driving Fatalities per 100 Million VMT



2017 National VMT is a Preliminary Estimate and Subject to Change
2017 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:
 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
2013	Vermont	43	15	35	46	41	89	89	56	63
	US	23,860	6,975	29	20,943	15,661	75	44,803	22,636	51
	Best State*			81			95			86
2014	Vermont	28	10	36	32	21	66	60	31	52
	US	23,883	6,781	28	20,788	15,352	74	44,671	22,133	50
	Best State*			88			96			89
2015	Vermont	33	17	52	36	27	75	69	44	64
	US	26,813	7,494	28	22,350	16,494	74	49,163	23,988	49
	Best State*			88			96			90
2016	Vermont	34	19	56	43	38	88	77	57	74
	US	28,684	7,486	26	23,715	16,894	71	52,399	24,380	47
	Best State*			88			96			87
2017	Vermont	46	13	28	47	38	81	93	51	55
	US	28,663	6,744	24	23,611	14,628	62	52,274	21,372	41
	Best State*			93			94			89

*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
Vermont , U.S. and Best State

Year		Fatalities - Restrained**	Observed - Restrained***
		Percent	Percent
2013	Vermont	79	85
	US	61	87
	Best State*	100	98
2014	Vermont	44	84
	US	61	87
	Best State*	80	98
2015	Vermont	53	85
	US	62	89
	Best State*	80	97
2016	Vermont	72	80
	US	61	90
	Best State*	100	97
2017	Vermont	61	85
	US	61	90
	Best State*	100	97

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

**Percent Based Only Where Restraint Use Was Known

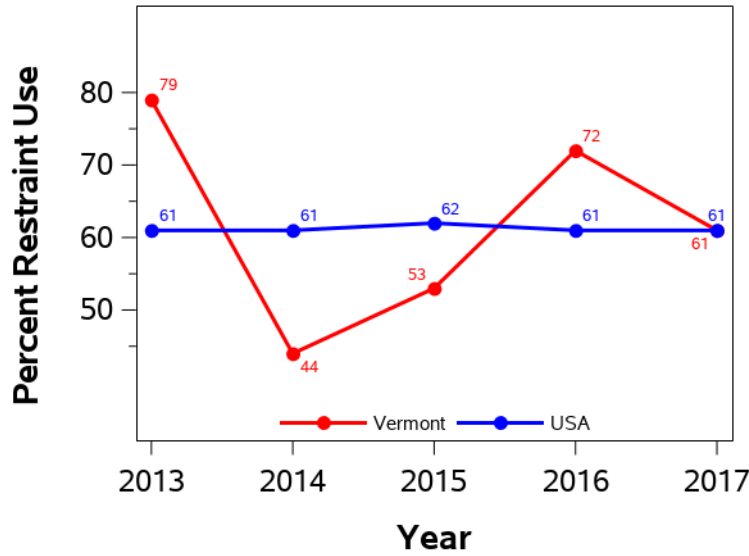
***USA Data: National Occupant Protection Use Survey. Vermont Data: State Survey

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

[Back To The Table of Contents](#)



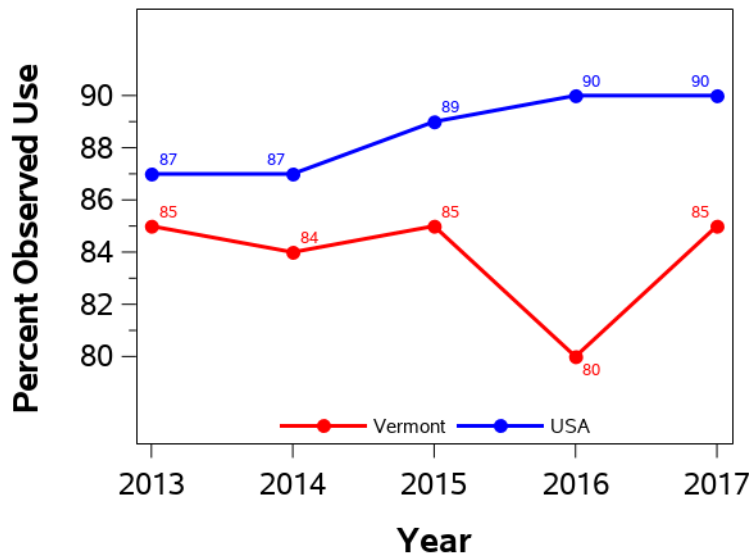
Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use*



*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; Vermont Data: State Survey

[Back To The Table of Contents](#)



Vermont 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
2013	51	28	21	2	57	33	9
2014	27	11	14	2	44	14	5
2015	33	14	16	3	47	19	5
2016	45	24	20	1	55	32	8
2017	45	21	20	4	51	28	7

*Percent Based Only Where Restraint Use Was Known

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

[Back To The Table of Contents](#)

Vermont 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
2013	0	0	0	0		0
2014	0	0	0	0		0
2015	1	0	1	0	0	0
2016	0	0	0	0		0
2017	0	0	0	0		0

*Percent Based Only Where Restraint Use Was Known

**Lives Saved Estimates

[Back To The Table of Contents](#)



Vermont 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
2013	7	5	2	0	71	3	1
2014	7	6	1	0	86	4	0
2015	11	11	0	0	100	7	0
2016	11	9	2	0	82	5	1
2017	13	13	0	0	100	8	0

*Percent Based Only Where Helmet Use Was Known

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

[Back To The Table of Contents](#)



Vermont Fatalities by Person Type

Person Type		2013		2014		2015		2016		2017	
		#	%*	#	%*	#	%*	#	%*	#	%*
Occupants	Passenger Car	32	46	18	41	20	35	28	45	30	43
	Light Truck - Pickup	5	7	3	7	2	4	2	3	7	10
	Light Truck - Utility	11	16	4	9	10	18	15	24	8	12
	Light Truck - Van	3	4	2	5	1	2	0	0	0	0
	Light Truck - Other	0	0	0	0	1	2	0	0	0	0
	Large Truck	1	1	1	2	1	2	0	0	1	1
	Bus	0	0	1	2	0	0	0	0	0	0
	Other/Unknown Occupants	5	7	3	7	2	4	1	2	2	3
	Total Occupants	57	83	32	73	37	65	46	74	48	70
Motorcyclists	Total Motorcyclists	7	10	7	16	11	19	11	18	13	19
Nonoccupants	Pedestrian	5	7	5	11	5	9	4	6	8	12
	Bicyclist and Other Cyclist	0	0	0	0	4	7	1	2	0	0
	Total Nonoccupants	5	7	5	11	9	16	5	8	8	12
Total	Total	69	100	44	100	57	100	62	100	69	100

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

[Back To The Table of Contents](#)



Vermont Fatalities by Crash Type

Crash Type	2013	2014	2015	2016	2017
Total Fatalities (All Crashes)*	69	44	57	62	69
- (1) Single Vehicle	44	28	34	45	38
- (2) Involving a Large Truck	8	11	8	7	10
- (3) Involving Speeding	18	15	21	29	31
- (4) Involving a Rollover	15	12	7	19	14
- (5) Involving a Roadway Departure	62	33	44	49	49
- (6) Involving an Intersection (or Intersection Related)	10	5	6	6	14

(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](#)



Vermont Motorcyclist Fatalities by Age

Year	Age						Total
	<20	20-29	30-39	40-49	50-59	>59	
2013	0	0	3	0	0	4	7
2014	1	3	0	0	3	0	7
2015	0	2	0	3	2	4	11
2016	1	4	2	2	2	0	11
2017	1	2	3	1	2	4	13

[Back To The Table of Contents](#)

Vermont Motorcyclist Fatalities Per 100,000 Registered Motorcycles

Year	Motorcyclist Fatalities	Total Motorcycle Registrations*	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2013	7	28,777	24.32
2014	7	30,106	23.25
2015	11	31,051	35.43
2016	11	30,976	35.51
2017	13		

*Data Source: FHWA

*2017 Motorcycle Registrations are Not Yet Available

[Back To The Table of Contents](#)



Vermont Fatalities by Person Type and Race/Hispanic Origin

Person Type by Race/Hispanic Origin		2013	2014	2015	2016
Occupants (All Vehicle Types)	White Non-Hispanic	63	38	48	56
	Black, Non-Hispanic	0	1	0	0
	Asian, Non-Hispanic/Unknown	1	0	0	0
	Unknown Race and Unknown Hispanic	0	0	0	1
	<i>Total</i>	64	39	48	57
Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)					
	White Non-Hispanic	5	5	9	5
	Black, Non-Hispanic	0	0	0	0
	Asian, Non-Hispanic/Unknown	0	0	0	0
	Unknown Race and Unknown Hispanic	0	0	0	0
	<i>Total</i>	5	5	9	5
Total		69	44	57	62

2017 Race/Hispanic Origin Data is Not Yet Complete

[Back To The Table of Contents](#)



5 Year Trend For The Top 10 Counties of 2017 - Fatalities

Vermont Counties by 2017 Ranking		Fatalities					Percent of Total				
		2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
1	Windsor County	10	3	5	5	10	14	7	9	8	14
2	Addison County	4	1	3	6	8	6	2	5	10	12
3	Chittenden County	5	9	9	6	8	7	20	16	10	12
4	Washington County	4	4	2	5	8	6	9	4	8	12
5	Orleans County	7	3	2	3	7	10	7	4	5	10
6	Rutland County	9	7	10	10	7	13	16	18	16	10
7	Windham County	10	1	3	8	6	14	2	5	13	9
8	Franklin County	6	2	10	6	4	9	5	18	10	6
9	Caledonia County	1	1	4	2	3	1	2	7	3	4
10	Bennington County	2	4	3	5	2	3	9	5	8	3
Sub Total 1.*	Top Ten Counties	65	40	51	57	63	94	91	89	92	91
Sub Total 2.**	All Other Counties	4	4	6	5	6	6	9	11	8	9
Total	All Counties	69	44	57	62	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

[Back To The Table of Contents](#)



5 Year Trend For The Top 10 Counties of 2017 - Fatalities Year to Year Percent Change

Vermont Counties by 2017 Ranking		Fatalities					Percent Change From Previous Year			
		2013	2014	2015	2016	2017	2014	2015	2016	2017
1	Windsor County	10	3	5	5	10	-70	67	0	100
2	Addison County	4	1	3	6	8	-75	200	100	33
3	Chittenden County	5	9	9	6	8	80	0	-33	33
4	Washington County	4	4	2	5	8	0	-50	150	60
5	Orleans County	7	3	2	3	7	-57	-33	50	133
6	Rutland County	9	7	10	10	7	-22	43	0	-30
7	Windham County	10	1	3	8	6	-90	200	167	-25
8	Franklin County	6	2	10	6	4	-67	400	-40	-33
9	Caledonia County	1	1	4	2	3	0	300	-50	50
10	Bennington County	2	4	3	5	2	100	-25	67	-60
Sub Total 1.*	Top Ten Counties	65	40	51	57	63	-38	28	12	11
Sub Total 2.**	All Other Counties	4	4	6	5	6	0	50	-17	20
Total	All Counties	69	44	57	62	69	-36	30	9	11

*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 2017 - Fatality Rates

Median Rate for all U.S. Counties: 17.7

Vermont Counties by 2017 Ranking		Fatalities Per 100,000 Population				
		2013	2014	2015	2016	2017
1	Essex County	16.15	32.49	32.28	16.03	32.10
2	Grand Isle County	0.00	14.36	0.00	28.85	28.58
3	Orleans County	25.80	11.10	7.41	11.21	26.08
4	Addison County	10.86	2.71	8.15	16.28	21.75
5	Windsor County	17.86	5.38	9.02	9.06	18.15
6	Windham County	22.84	2.29	6.94	18.54	14.00
7	Washington County	6.76	6.78	3.41	8.57	13.72
8	Rutland County	14.88	11.65	16.79	16.90	11.85
9	Caledonia County	3.22	3.24	13.06	6.63	9.95
10	Franklin County	12.40	4.10	20.44	12.25	8.16
Sub Rate 1.*	Top Ten Counties	15.57	8.38	11.92	14.23	15.35
Sub Rate 2.**	All Other Counties	3.42	3.12	5.09	4.66	4.76
Total Rate	All Counties	11.02	7.03	9.13	9.95	11.06

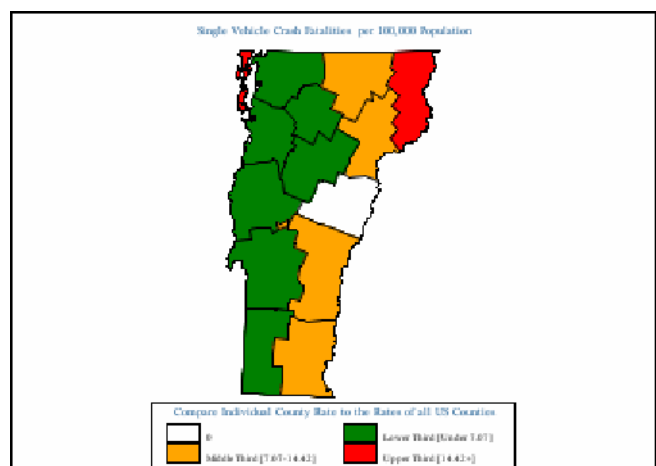
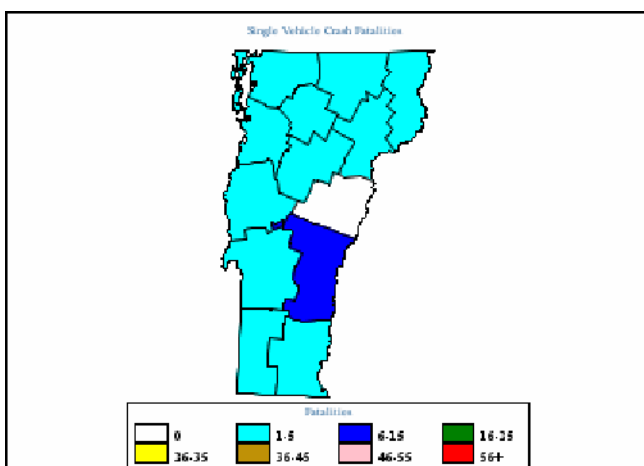
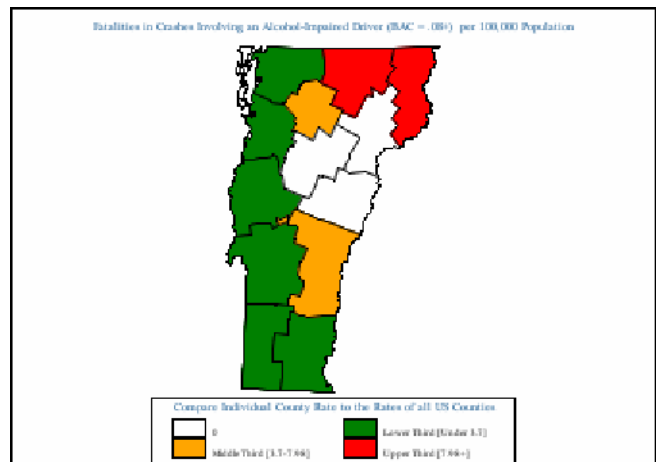
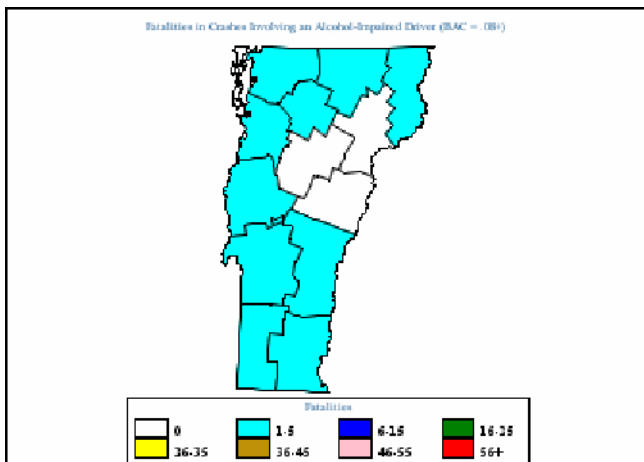
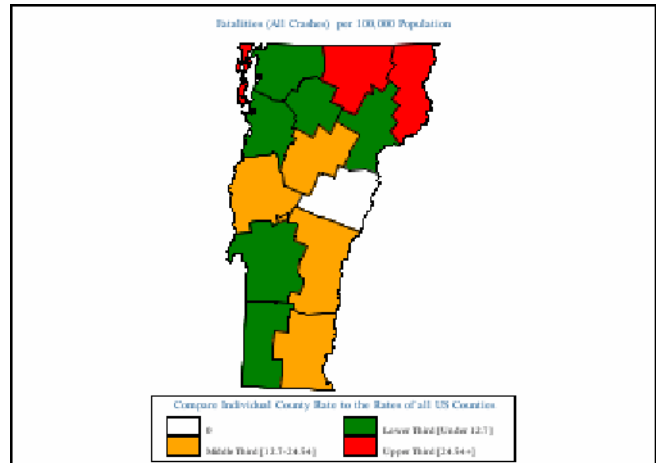
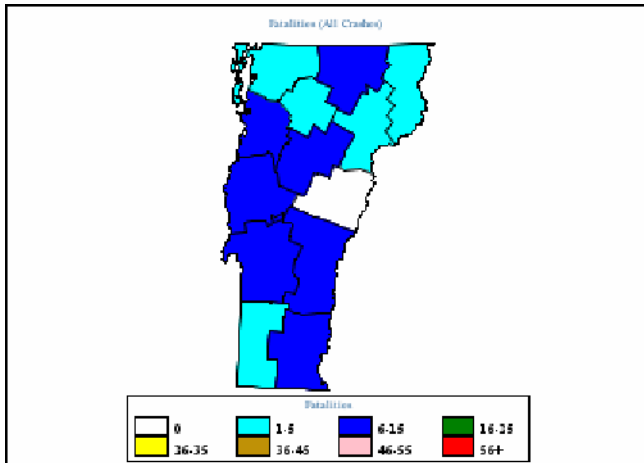
*This Sub Rate is the Rate for the Top Ten Counties

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

[Back To The Table of Contents](#)

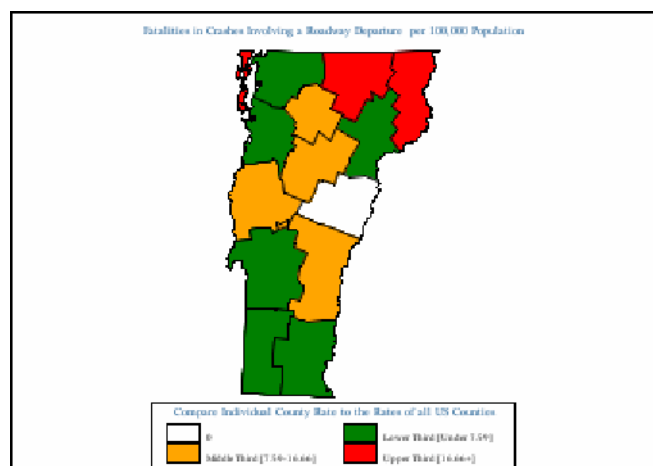
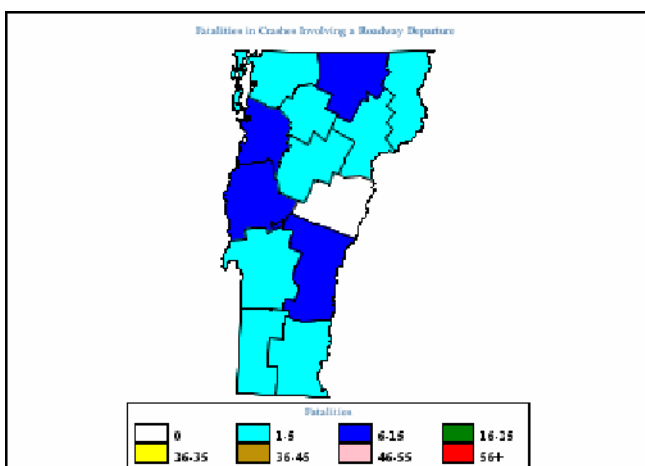
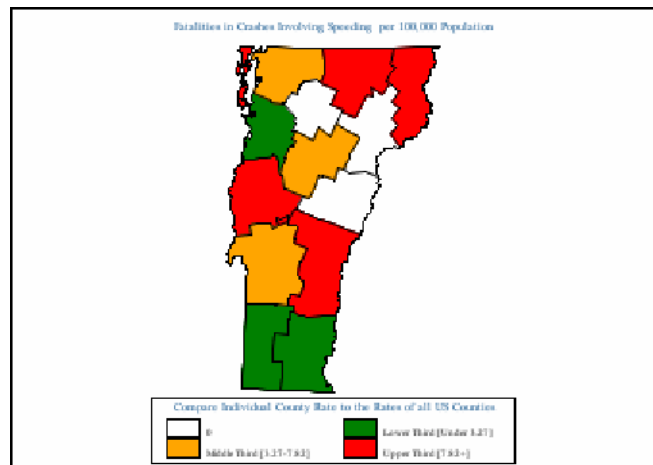
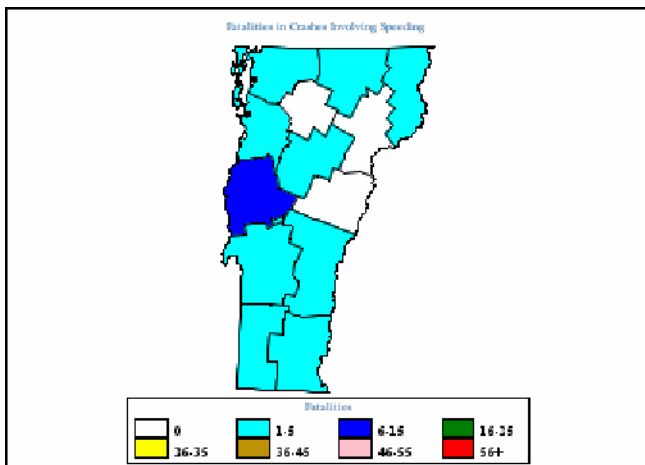
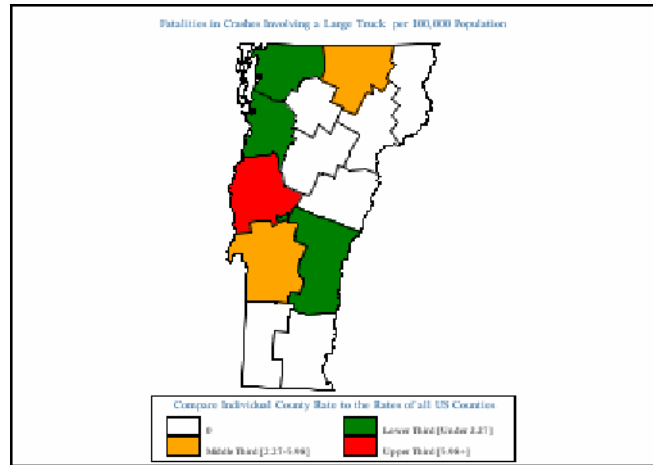
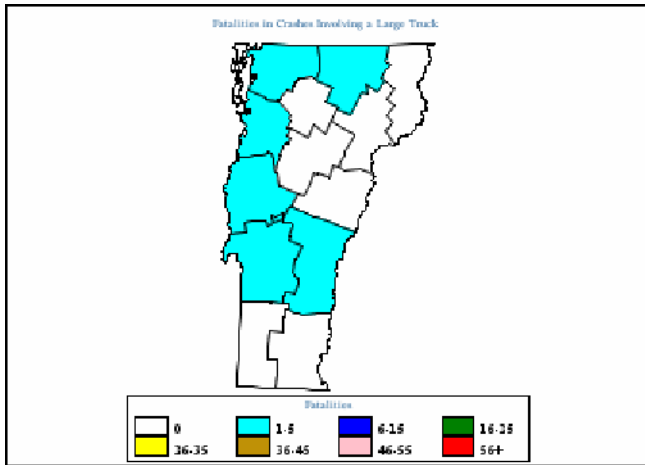


Vermont Motor Vehicle Crash Fatality Maps for 2017



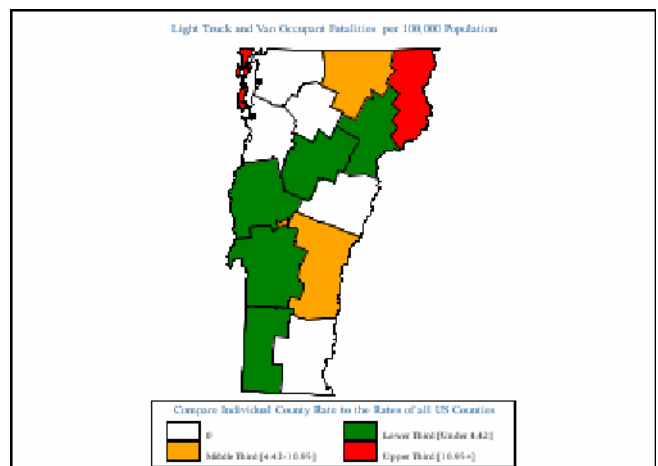
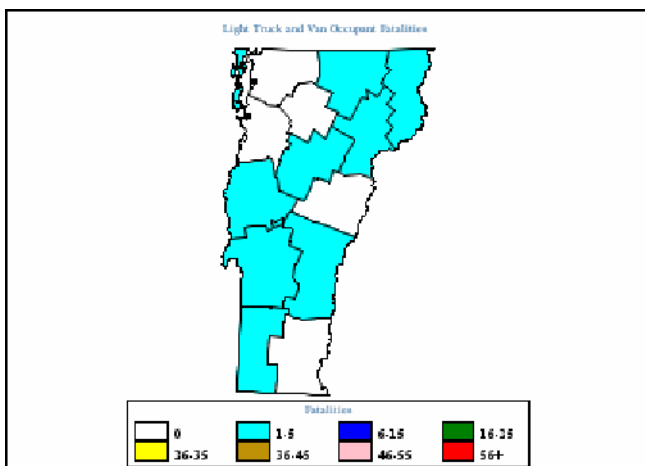
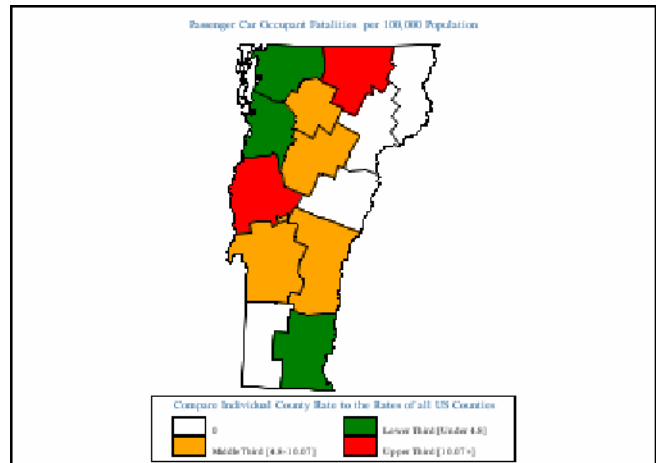
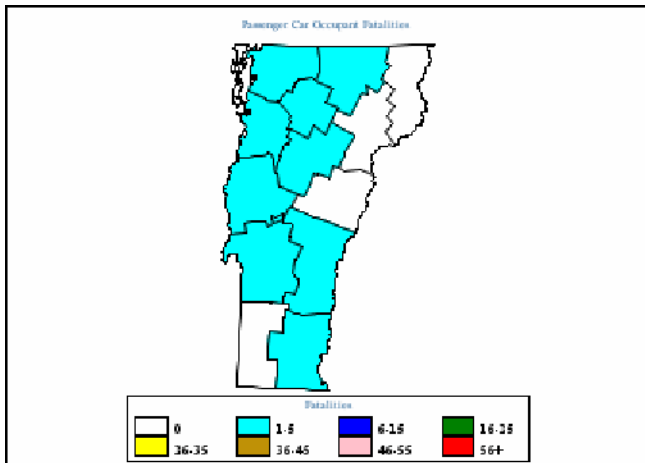
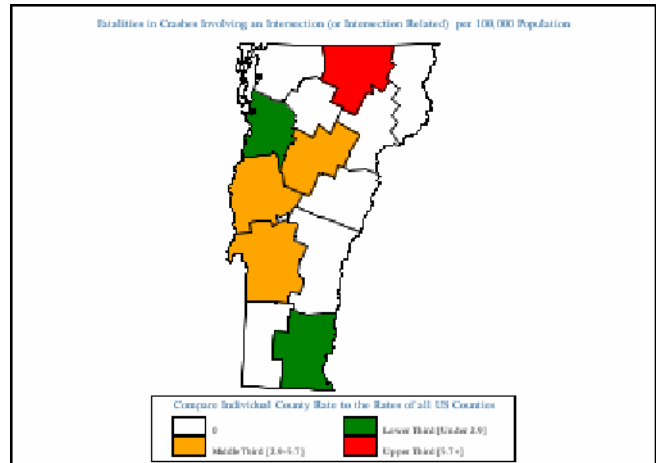
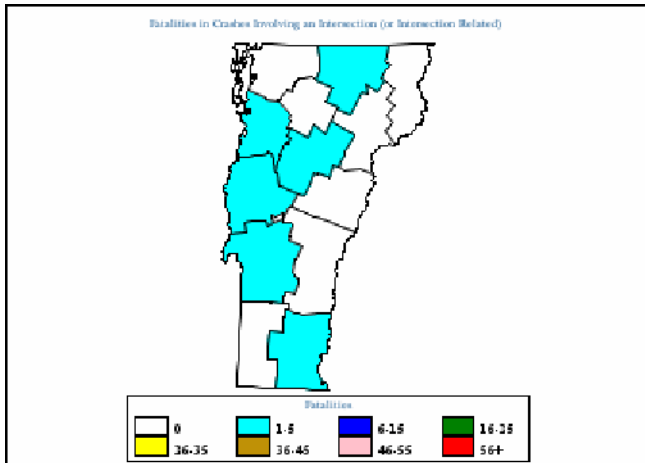


Vermont Motor Vehicle Crash Fatality Maps for 2017





Vermont Motor Vehicle Crash Fatality Maps for 2017





Vermont Motor Vehicle Crash Fatality Maps for 2017

