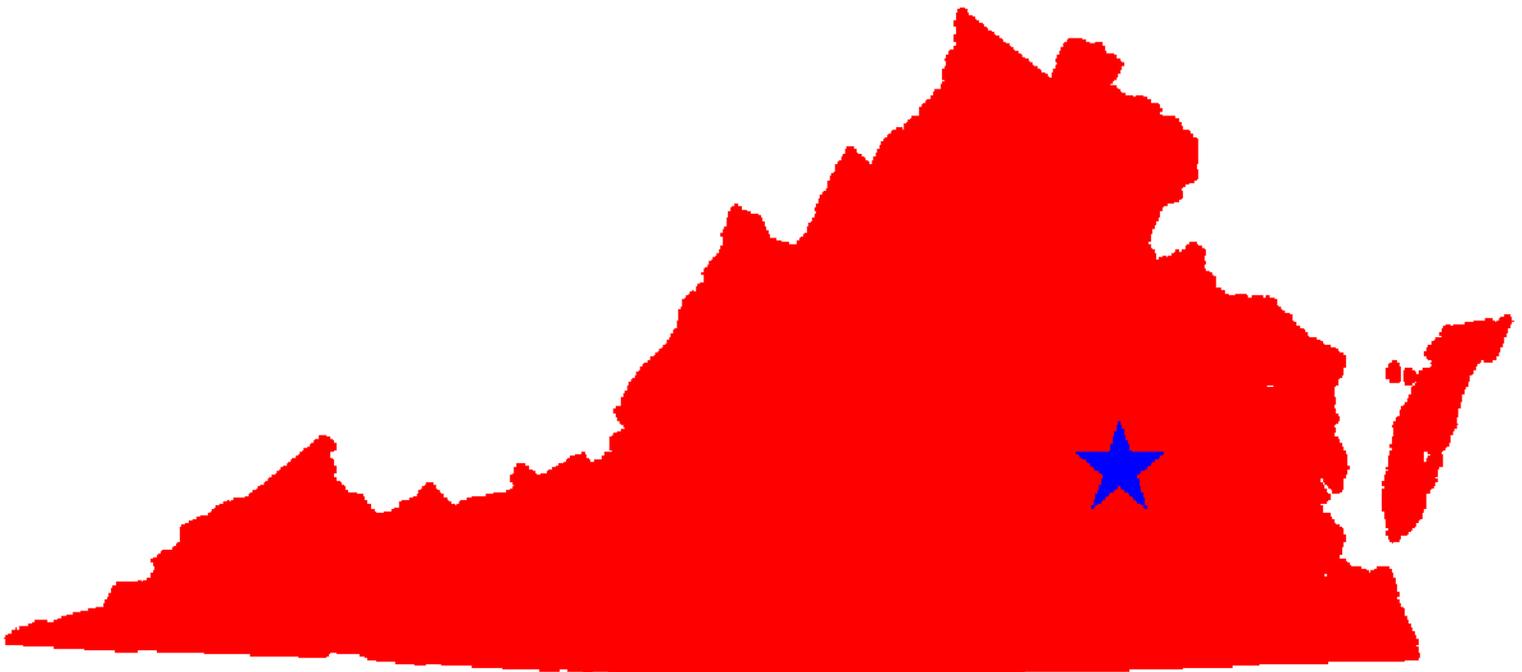




Traffic Safety Facts
Virginia
2019-2023



This Report Contains Data From the Following Sources:

- Fatality Data - NCSA Fatality Analysis Reporting System (FARS): 2019-2022 Final File and 2023 Annual Report File (ARF)
- Observed Safety Belt Data - NCSA National Occupant Protection Use Survey (NOPUS) and the Virginia 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 Virginia

Core Outcome Measures		Crash Year									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Traffic Fatalities	Total (C-1)	703	754	760	839	820	831	850	973	1,006	913
	Rural	448	484	477	519	471	499	442	524	510	471
	Urban	247	269	281	319	346	328	408	447	494	432
	Unknown	8	1	2	1	3	4	0	2	2	10
Fatalities Per 100 Million VMT	Total (C-3)	0.87	0.91	0.90	0.98	0.96	0.97	1.12	1.21	1.23	1.04
	Rural	1.48	2.05	1.66	1.78	1.62	1.70	1.67	1.75	1.75	1.76
	Urban	0.49	0.46	0.50	0.57	0.61	0.59	0.82	0.89	0.93	0.71
Passenger Vehicle Occupant Fatalities (All Seat Positions)	Total	476	554	513	572	553	559	582	681	665	597
	Restrained	223	250	215	263	260	255	240	339	290	260
	Unrestrained (C-4)	250	301	296	306	293	301	340	336	372	337
	Unknown	3	3	2	3	0	3	2	6	3	0
Alcohol-Impaired Driving Fatalities (BAC=.08+)** (C-5)		216	205	223	245	245	237	282	284	289	261
Speeding-Related Fatalities (C-6)		99	105	257	219	241	228	257	337	299	321
Motorcyclist Fatalities	Total (C-7)	90	79	79	117	100	102	101	114	118	130
	Helmeted	89	75	75	115	95	91	94	101	108	127
	Unhelmeted (C-8)	1	3	4	1	5	11	7	11	10	3
	Unknown	0	1	0	1	0	0	0	2	0	0
Drivers Involved in Fatal Crashes	Total	952	1,016	1,043	1,163	1,146	1,138	1,202	1,334	1,401	1,256
	Aged Under 15	0	0	0	0	1	0	0	0	0	1
	Aged 15-20	76	75	89	78	91	78	86	110	110	103
	Aged Under 21 (C-9)	76	75	89	78	92	78	86	110	110	104
	Aged 21 and Over	865	926	935	1,071	1,040	1,038	1,091	1,198	1,258	1,128
	Unknown Age	11	15	19	14	14	22	25	26	33	24
Pedestrian Fatalities (C-10)		88	77	122	111	118	123	111	123	171	129
Bicyclist and Other Cyclist Fatalities**** (C-11)		12	15	10	12	12	13	7	16	11	15
Observed Seat Belt Use*** (B-1)		77.3	80.9	79.0	85.3	84.1	85.4		81.7	75.6	73.2

*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)

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

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

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Fatality Rates: Virginia , 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
2019	Virginia	831	85,432	0.97		
	US	36,355	3,261,772	1.11		
	Best State*			0.52		
2020	Virginia	850	76,110	1.12		
	US	39,007	2,903,622	1.34		
	Best State*			0.63		
2021	Virginia	973	80,102	1.21		
	US	43,230	3,132,411	1.38		
	Best State*			0.70		
2022	Virginia	1,006	82,083	1.23		
	US	42,721	3,196,191	1.34		
	Best State*			0.69		
2023	Virginia	913	87,730	1.04		
	US	40,901	3,246,817	1.26		
	Best State*			0.56		

*State (or States) With Lowest Rates: Lowest VMT and Population Rates Could Be in Different States

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

Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)		
			Number	Percent	Per 100 Million VMT
2019	Virginia	831	237	29	0.28
	US	36,355	10,196	28	0.31
	Best State*			15	0.12
2020	Virginia	850	282	33	0.37
	US	39,007	11,727	30	0.40
	Best State*			19	0.18
2021	Virginia	973	284	29	0.35
	US	43,230	13,599	31	0.43
	Best State*			20	0.23
2022	Virginia	1,006	289	29	0.35
	US	42,721	13,458	32	0.42
	Best State*			22	0.21
2023	Virginia	913	261	29	0.30
	US	40,901	12,429	30	0.38
	Best State*			21	0.17

*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

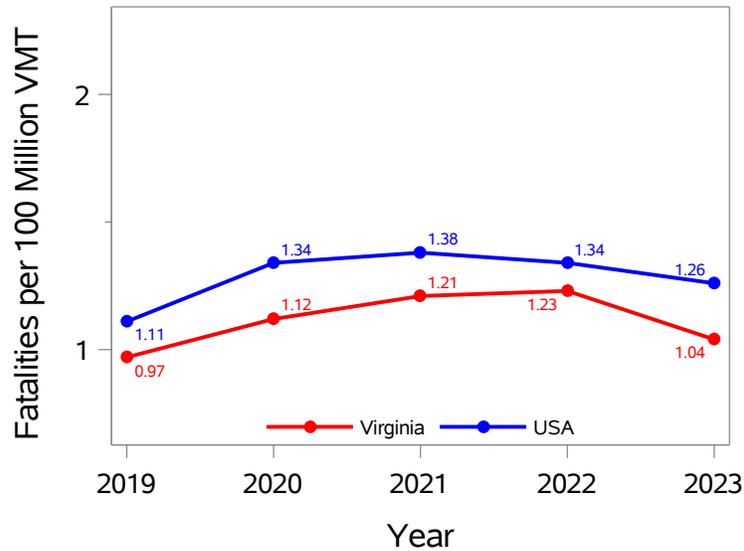
**Based on the BAC of All Involved Drivers and Motorcycle Riders (Operators) Only

**Percentages are computed based on unrounded estimates

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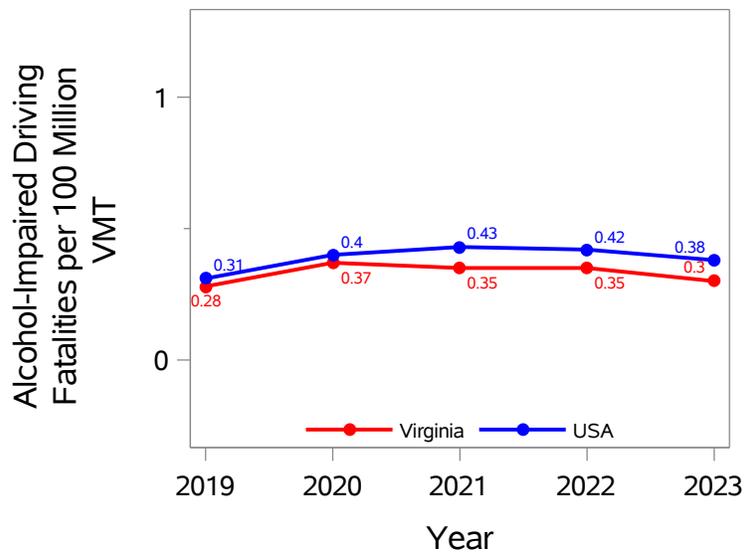


Fatalities per 100 Million VMT



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Alcohol-Impaired Driving Fatalities per 100 Million VMT



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Blood Alcohol Concentration (BAC) Reporting Rates
 For Drivers/Motorcycle Riders (Operators)
 Involved in Fatal Crashes:
 Virginia , 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
2019	Virginia	580	11	2	558	494	89	1,138	505	44
	US	28,555	6,914	24	22,747	15,446	68	51,302	22,360	44
	Best State*			86			93			82
2020	Virginia	594	3	1	608	518	85	1,202	521	43
	US	29,305	6,809	23	24,860	15,711	63	54,165	22,520	42
	Best State*			86			98			88
2021	Virginia	669	9	1	665	549	83	1,334	558	42
	US	33,824	7,147	21	27,555	17,375	63	61,379	24,522	40
	Best State*			87			94			83
2022	Virginia	730	6	1	671	525	78	1,401	531	38
	US	33,379	6,684	20	26,929	16,985	63	60,308	23,669	39
	Best State*			80			98			85
2023	Virginia	623	1	0	633	499	79	1,256	500	40
	US	32,361	6,132	19	25,578	14,983	59	57,939	21,115	36
	Best State*			87			95			89

*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
Virginia , U.S. and Best State

Year		Fatalities - Restrained**	Observed - Restrained***
		Percent	Percent
2019	Virginia	56	85.4
	US	62	90.7
	Best State*	80	97.1
2020	Virginia	50	
	US	57	90.3
	Best State*	72	95.7
2021	Virginia	60	81.7
	US	58	90.4
	Best State*	80	97.2
2022	Virginia	51	75.6
	US	58	91.6
	Best State*	77	96.5
2023	Virginia	48	73.2
	US	59	91.9
	Best State*	100	98.4

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

**Percent Based Only Where Restraint Use Was Known

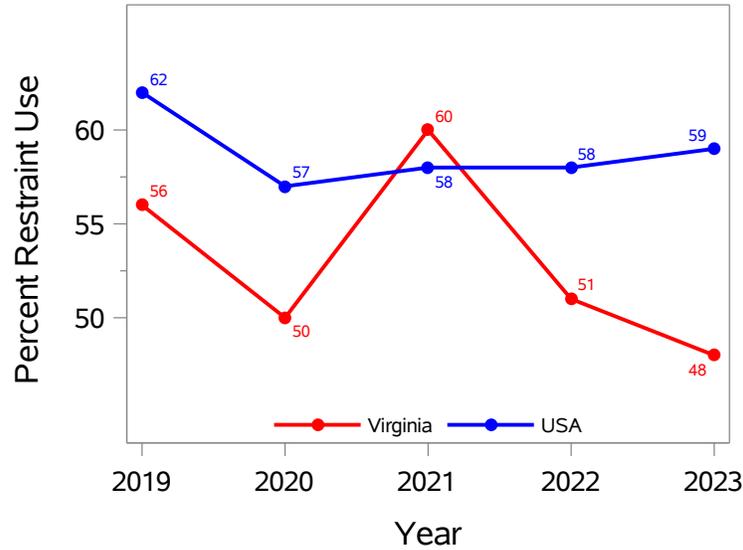
***USA Data: National Occupant Protection Use Survey. Virginia Data: State Survey

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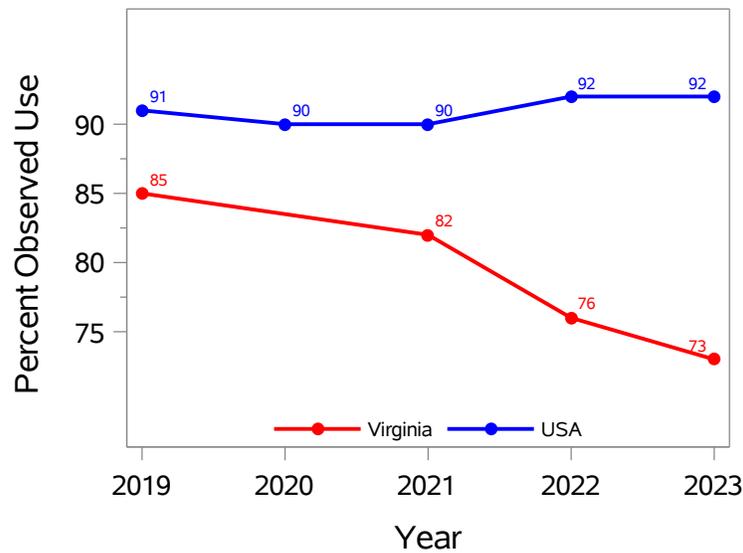
Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use*



*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. Virginia Data: State Survey

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Virginia 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
2019	557	254	300	3	46		
2020	577	235	340	2	41		
2021	674	335	333	6	50		
2022	663	289	371	3	44		
2023	594	258	336	0	43		

*Percent Based Only Where Restraint Use Was Known
 **Lives Saved Estimates (Sum of columns may not equal other published numbers due to rounding)
 **2018 - 2023 Lives Saved Data is Currently Not Available

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Virginia 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	
2019	2	1	1	0	50		
2020	4	4	0	0	100		
2021	5	3	2	0	60		
2022	1	1	0	0	100		
2023	2	2	0	0	100		

*Percent Based Only Where Restraint Use Was Known
 **Lives Saved Estimates
 **2018 - 2023 Lives Saved Data is Currently Not Available

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Virginia 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
2019	102	91	11	0	89		
2020	101	94	7	0	93		
2021	114	101	11	2	90		
2022	118	108	10	0	92		
2023	130	127	3	0	98		

*Percent Based Only Where Helmet Use Was Known

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

**2018 - 2023 Lives Saved Data is Currently Not Available

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Virginia Fatalities by Person Type

Person Type		2019		2020		2021		2022		2023	
		#	%*	#	%*	#	%*	#	%*	#	%*
Occupants	Passenger Car	328	39	303	36	358	37	353	35	301	33
	Light Truck - Pickup	93	11	115	14	101	10	113	11	112	12
	Light Truck - Utility	104	13	140	16	190	20	168	17	161	18
	Light Truck - Van	34	4	22	3	32	3	30	3	23	3
	Light Truck - Other	0	0	2	0	0	0	1	0	0	0
	Large Truck	24	3	32	4	24	2	24	2	27	3
	Bus	2	0	0	0	1	0	3	0	0	0
	Other/Unknown Occupants	6	1	12	1	7	1	9	1	10	1
	Total Occupants	591	71	626	74	713	73	701	70	634	69
Motorcyclists	Total Motorcyclists	102	12	101	12	114	12	118	12	130	14
Nonoccupants	Pedestrian	123	15	111	13	123	13	171	17	129	14
	Bicyclist and Other Cyclist	13	2	7	1	16	2	11	1	15	2
	Other/Unknown Nonoccupants	2	0	5	1	7	1	5	0	5	1
	Total Nonoccupants	138	17	123	14	146	15	187	19	149	16
Total	Total	831	100	850	100	973	100	1,006	100	913	100

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

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Virginia Fatalities by Crash Type

Crash Type	2019	2020	2021	2022	2023
Total Fatalities (All Crashes)*	831	850	973	1,006	913
- (1) Single Vehicle	511	482	572	590	540
- (2) Involving a Large Truck	109	107	120	125	120
- (3) Involving Speeding	228	257	337	299	321
- (4) Involving a Rollover	188	191	228	217	164
- (5) Involving a Roadway Departure	476	507	588	534	513
- (6) Involving an Intersection (or Intersection Related)	208	183	198	232	185

(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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Virginia Motorcyclist Fatalities by Age

Year	Age						Total
	<20	20-29	30-39	40-49	50-59	>59	
2019	3	13	26	19	22	19	102
2020	2	36	28	11	13	11	101
2021	5	34	18	25	11	21	114
2022	2	34	18	25	16	23	118
2023	8	29	32	18	16	27	130

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Virginia Motorcyclist Fatalities Per 100,000 Registered Motorcycles

Year	Motorcyclist Fatalities	Total Motorcycle Registrations*	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2019	102	193,813	52.63
2020	101	184,441	54.76
2021	114	188,100	60.61
2022	118	191,968	61.47
2023	130	192,434	67.56

*Data Source: FHWA

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Virginia Fatalities by Person Type and Race/Hispanic Origin¹

Person Type by Race/Hispanic Origin ¹		2019	2020	2021	2022
Occupants (All Vehicle Types)	Hispanic	32	26	54	60
	White Non-Hispanic	429	460	478	473
	Black, Non-Hispanic	165	188	209	178
	American Indian, Non-Hispanic/Unknown	1	4	3	1
	Asian, Non-Hispanic/Unknown	9	5	7	7
	Pacific Islander, Non-Hispanic/Unknown	0	0	0	0
	Multiple Races, Non-Hispanic/Unknown	2	3	4	10
	All Other Non-Hispanic or Race	16	2	8	7
	Unknown Race and Unknown Hispanic	39	39	64	83
	Total	693	727	827	819
Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)					
	Hispanic	5	17	20	24
	White Non-Hispanic	67	61	61	74
	Black, Non-Hispanic	42	33	45	62
	American Indian, Non-Hispanic/Unknown	0	1	0	0
	Asian, Non-Hispanic/Unknown	6	2	3	4
	Pacific Islander, Non-Hispanic/Unknown	0	0	1	0
	Multiple Races, Non-Hispanic/Unknown	0	0	0	1
	All Other Non-Hispanic or Race	7	3	4	5
	Unknown Race and Unknown Hispanic	11	6	12	17
Total	138	123	146	187	
Total	831	850	973	1,006	

¹2023 Race/Hispanic Origin Data is Not Yet Complete
This Data Will Be Updated When the Final File is Released

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5 Year Trend For The Top 10 Counties of 2023 - Fatalities

Virginia Counties by 2023 Ranking		Fatalities					Percent of Total				
		2019	2020	2021	2022	2023	2019	2020	2021	2022	2023
1	Fairfax County	49	39	52	62	42	6	5	5	6	5
2	Virginia Beach City	22	26	35	30	37	3	3	4	3	4
3	Henrico County	26	29	39	34	29	3	3	4	3	3
4	Richmond City	16	27	17	33	29	2	3	2	3	3
5	Chesterfield County	22	34	27	35	27	3	4	3	3	3
6	Prince William County	14	18	32	30	27	2	2	3	3	3
7	Hanover County	15	18	22	19	24	2	2	2	2	3
8	Spotsylvania County	22	13	15	23	23	3	2	2	2	3
9	Campbell County	12	8	8	13	22	1	1	1	1	2
10	Hampton City	13	20	11	15	22	2	2	1	1	2
Sub Total 1.*	Top Ten Counties	231	258	295	315	282	28	30	30	31	31
Sub Total 2.**	All Other Counties	600	592	678	691	631	72	70	70	69	69
Total	All Counties	831	850	973	1,006	913	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 2023 - Fatalities Year to Year Percent Change

Virginia Counties by 2023 Ranking		Fatalities					Percent Change From Previous Year			
		2019	2020	2021	2022	2023	2020	2021	2022	2023
1	Fairfax County	49	39	52	62	42	-20	33	19	-32
2	Virginia Beach City	22	26	35	30	37	18	35	-14	23
3	Henrico County	26	29	39	34	29	12	34	-13	-15
4	Richmond City	16	27	17	33	29	69	-37	94	-12
5	Chesterfield County	22	34	27	35	27	55	-21	30	-23
6	Prince William County	14	18	32	30	27	29	78	-6	-10
7	Hanover County	15	18	22	19	24	20	22	-14	26
8	Spotsylvania County	22	13	15	23	23	-41	15	53	0
9	Campbell County	12	8	8	13	22	-33	0	63	69
10	Hampton City	13	20	11	15	22	54	-45	36	47
Sub Total 1.*	Top Ten Counties	231	258	295	315	282	12	14	7	-10
Sub Total 2.**	All Other Counties	600	592	678	691	631	-1	15	2	-9
Total	All Counties	831	850	973	1,006	913	2	14	3	-9

*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 2023 - Fatality Rates
Median Rate for all U.S. Counties: 18.01

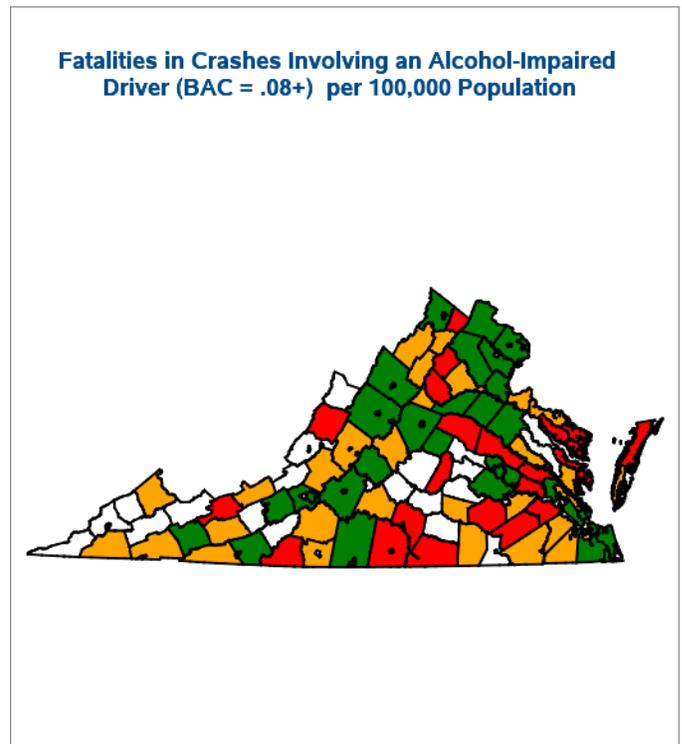
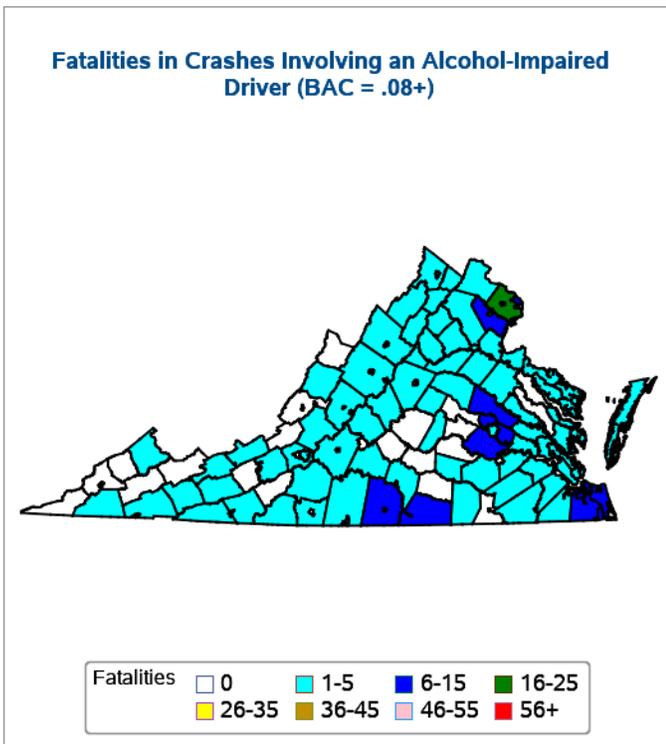
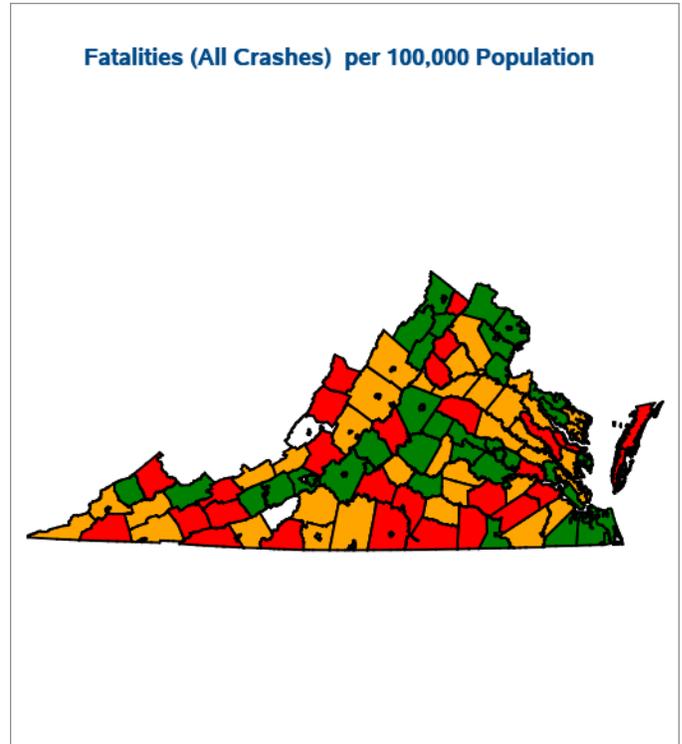
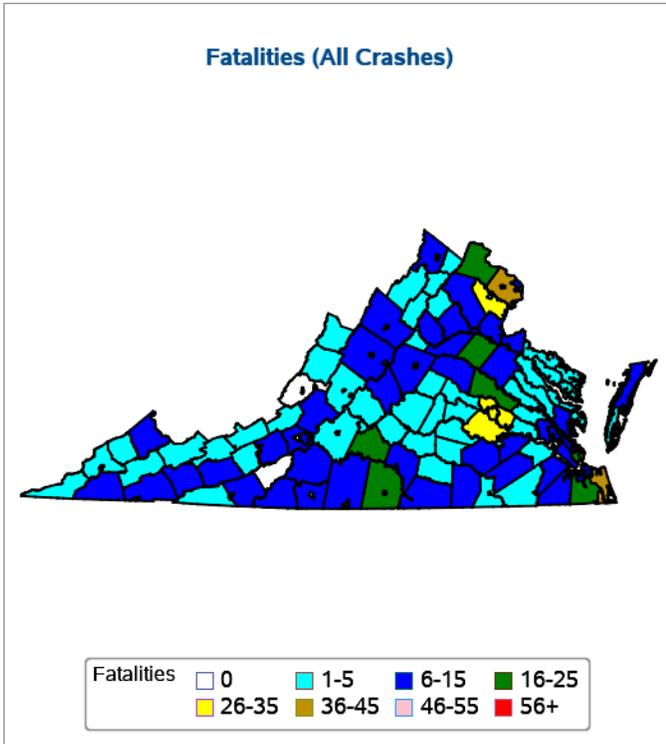
Virginia Counties by 2023 Ranking		Fatalities Per 100,000 Population				
		2019	2020	2021	2022	2023
1	Highland County	45.96	0.00	44.66	87.11	171.01
2	Sussex County	63.11	101.97	55.48	56.39	83.67
3	Bath County	23.99	23.89	0.00	24.62	74.06
4	Madison County	15.14	28.86	7.16	0.00	63.70
5	Charlotte County	25.32	34.66	43.48	52.63	61.75
6	Halifax County	26.44	8.84	14.80	35.69	59.82
7	Nelson County	26.91	33.92	67.39	33.91	54.40
8	Dinwiddie County	48.60	21.51	35.72	14.24	52.92
9	Buchanan County	19.02	4.94	20.12	25.80	47.15
10	Charles City County	28.70	74.12	30.27	45.68	45.39
	Sub Rate 1.* <i>Top Ten Counties</i>	52.33	51.54	65.43	49.19	60.09
	Sub Rate 2.** <i>All Other Counties</i>	9.06	9.26	10.31	11.03	9.64
	Total Rate <i>All Counties</i>	9.71	9.84	11.24	11.59	10.48

*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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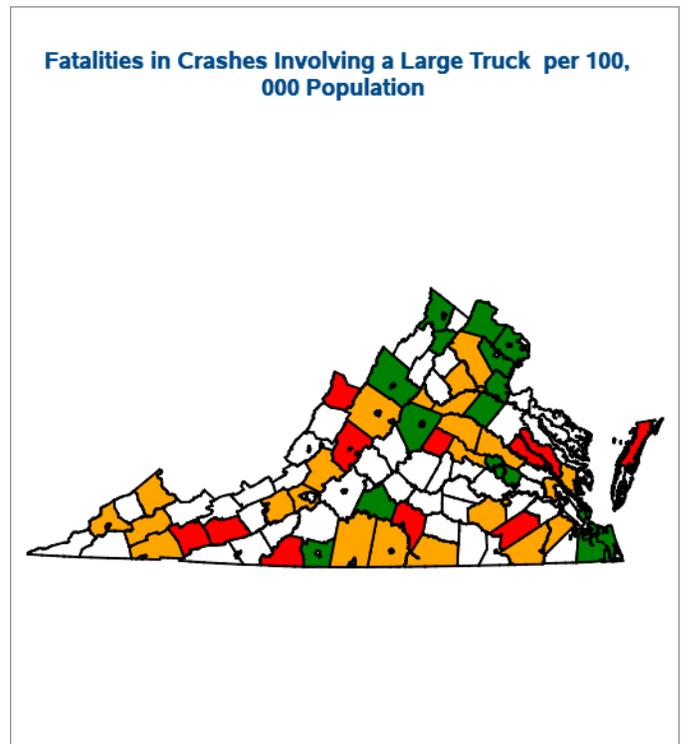
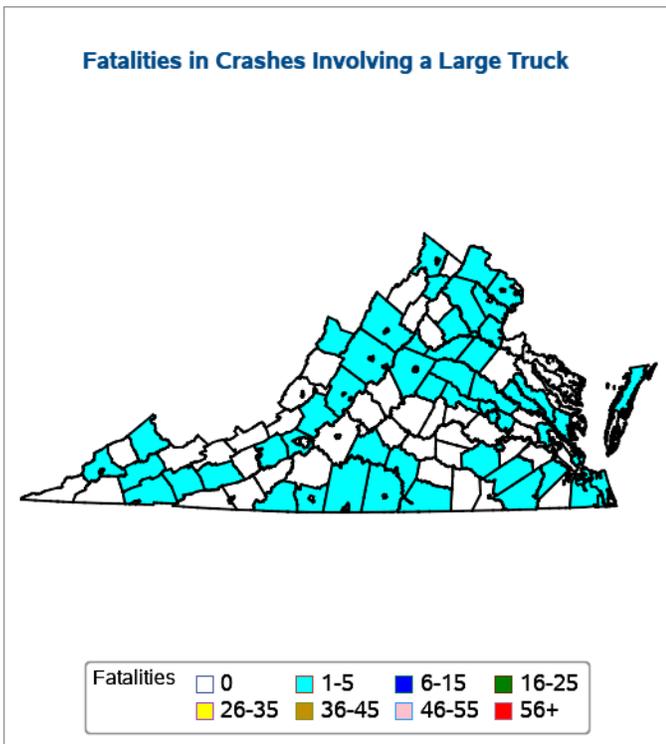
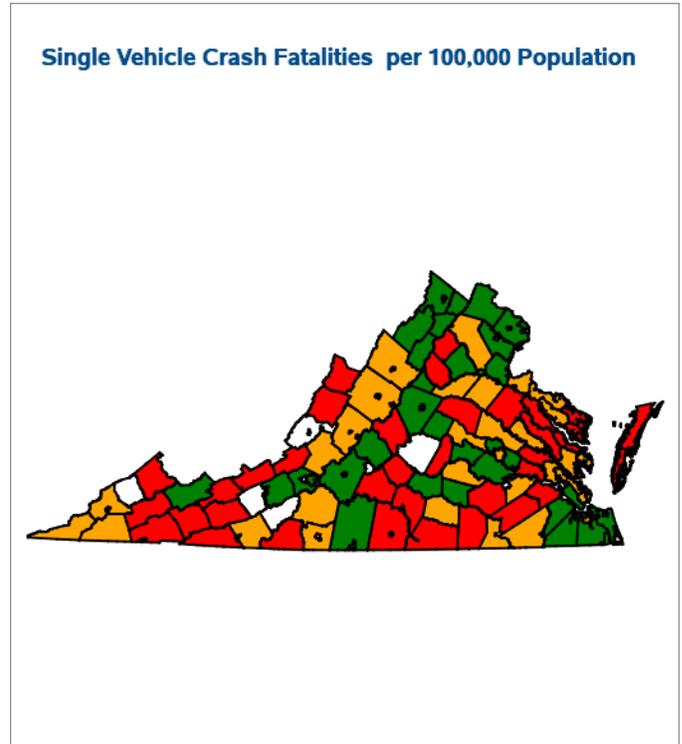
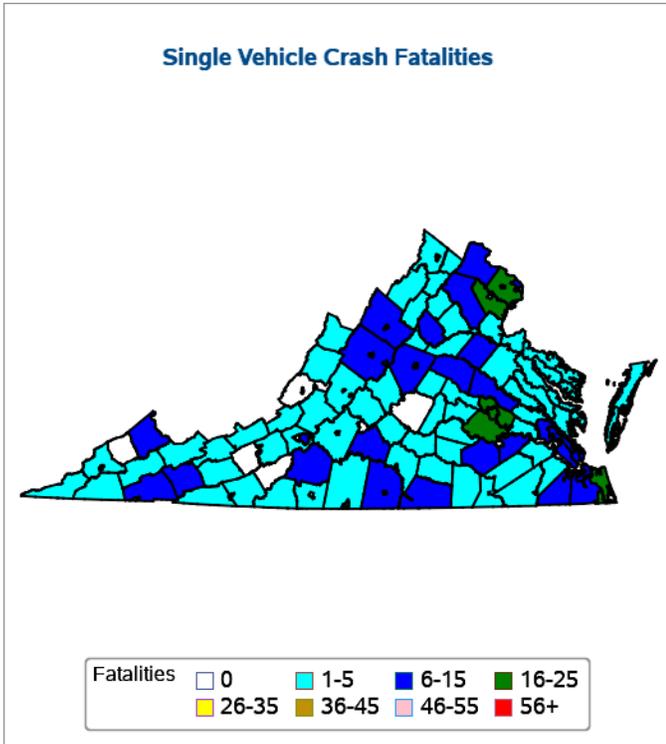


Virginia Motor Vehicle Crash Fatality Maps for 2023



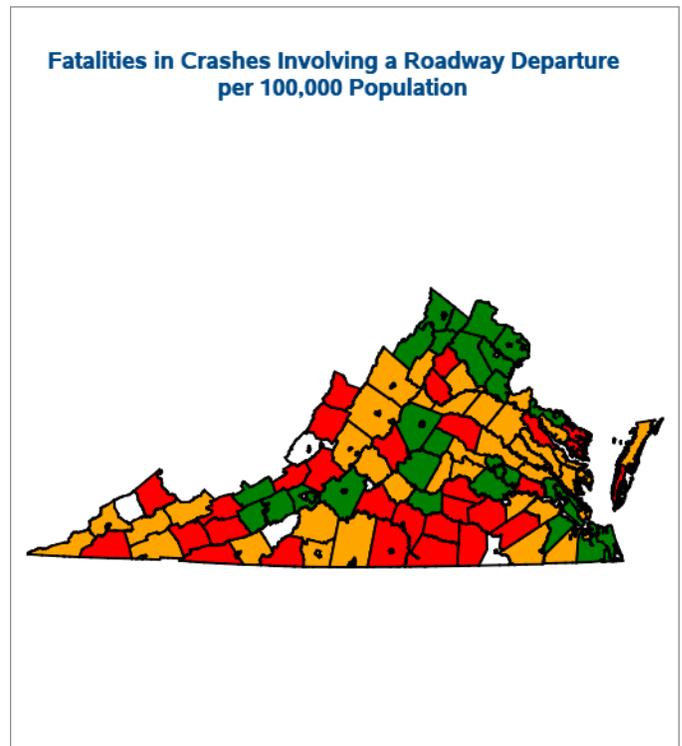
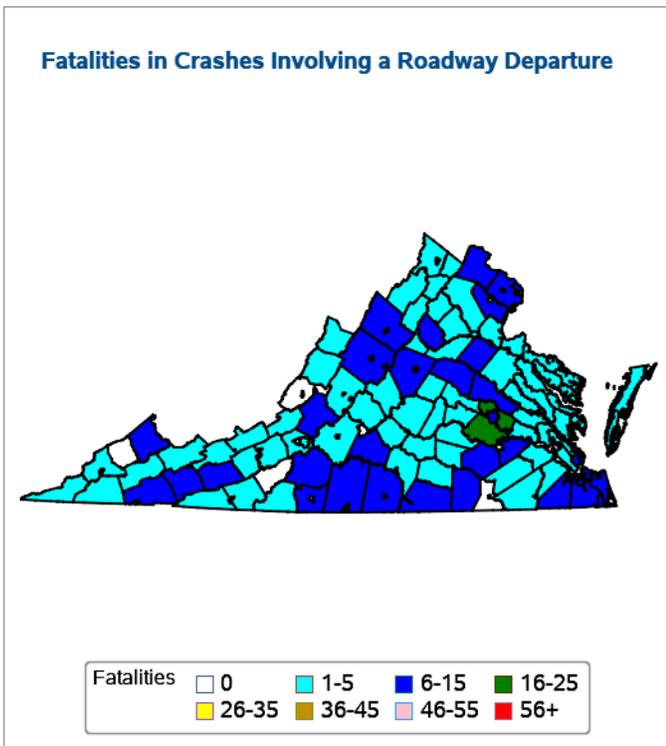
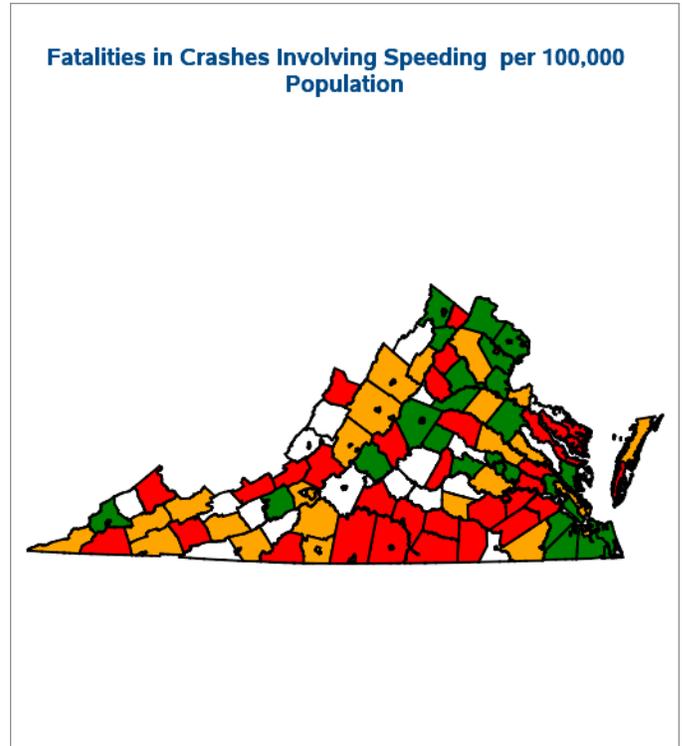
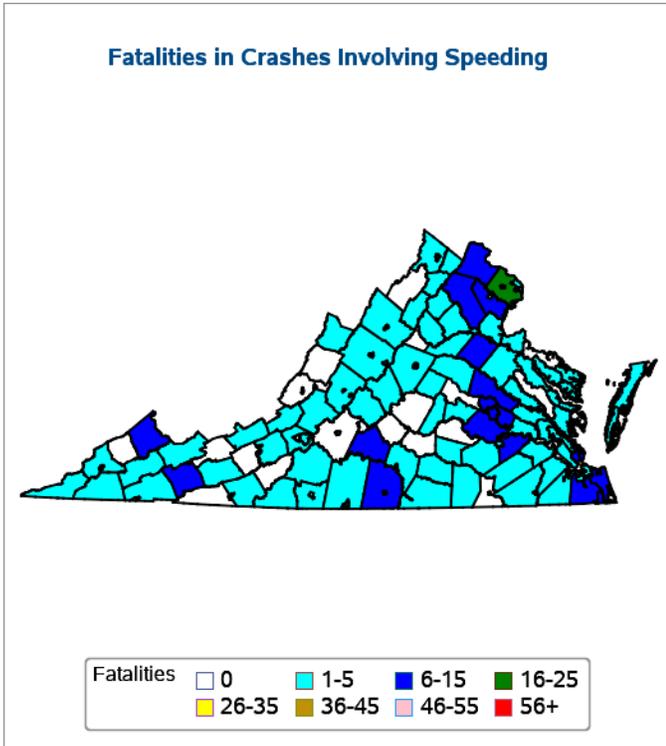


Virginia Motor Vehicle Crash Fatality Maps for 2023





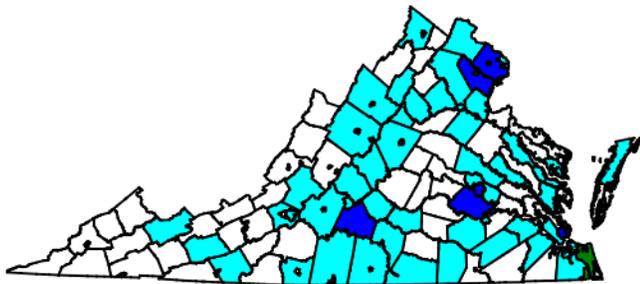
Virginia Motor Vehicle Crash Fatality Maps for 2023





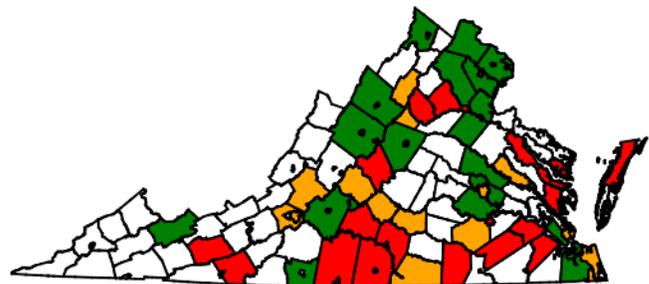
Virginia Motor Vehicle Crash Fatality Maps for 2023

Fatalities in Crashes Involving an Intersection (or Intersection Related)

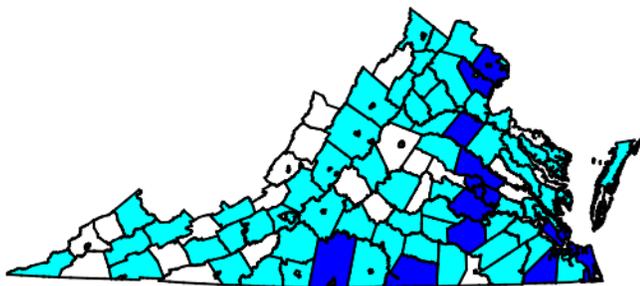


Fatalities	0	1-5	6-15	16-25
	26-35	36-45	46-55	56+

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

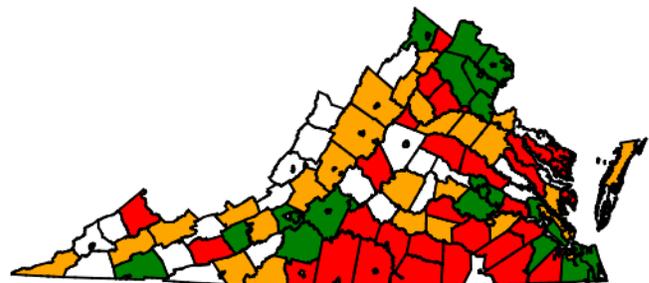


Passenger Car Occupant Fatalities



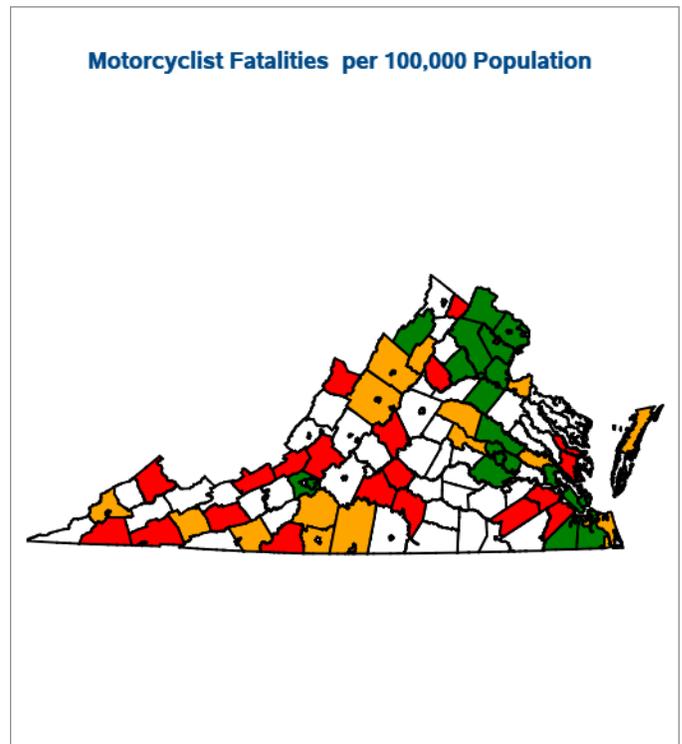
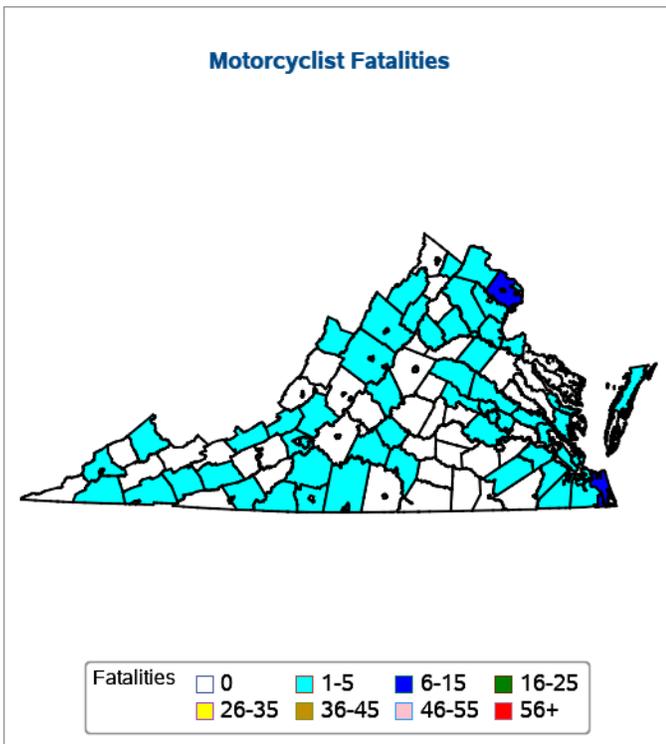
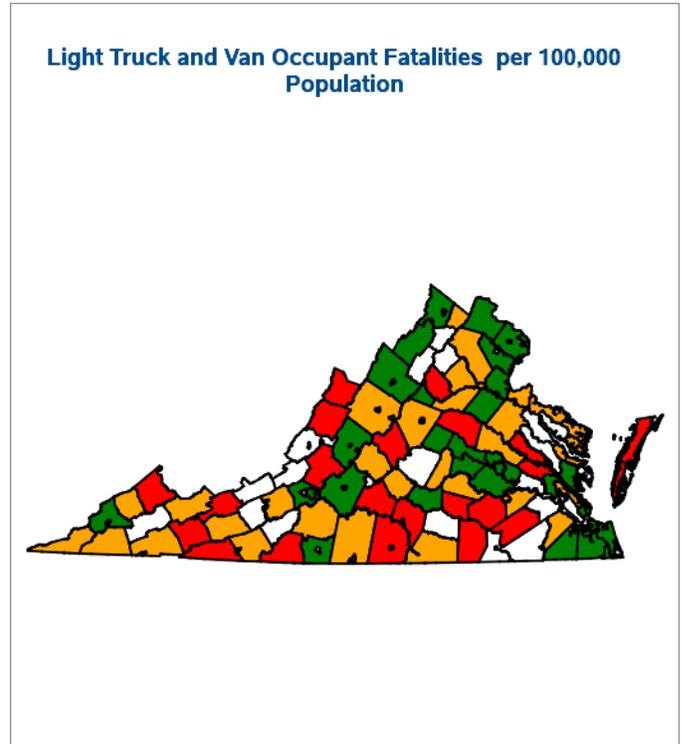
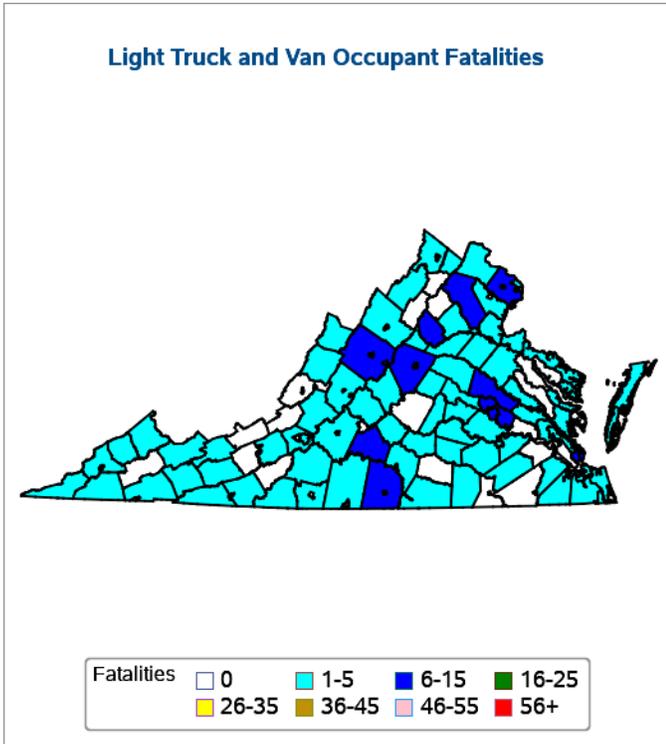
Fatalities	0	1-5	6-15	16-25
	26-35	36-45	46-55	56+

Passenger Car Occupant Fatalities per 100,000 Population





Virginia Motor Vehicle Crash Fatality Maps for 2023





Virginia Motor Vehicle Crash Fatality Maps for 2023

