

Virginia CODES Crash Outcome Data Evaluation System



Motor Vehicle Crash Outcomes in 2001 by Vehicle Type

Vehicle Type	Persons Involved	# Injured	Injury Rate	% of All Injuries	Fatal	Fatality Rate per 100,000	Inpatient Hospitalizations	Inpatient Hospitalizations per 100,000	Average Hospital Charge	Median Hospital Charges	Average Length of Stay
Bicycle/Moped	1,379	1,028	74.5%	1.3%	20	1,450.3	152	11,022.5	\$ 17,670	\$ 10,601	5.13
City/Private/Commerical Buses	887	287	32.4%	0.4%	1	112.7	5	563.7	\$ 8,905	\$ 10,770	4.00
Emergency Vehicle	949	287	30.2%	0.4%	2	210.7	18	1,896.7	\$ 8,588	\$ 6,356	2.44
Large Commercial Truck	4,594	615	13.4%	0.8%	5	108.8	58	1,262.5	\$ 35,893	\$ 10,477	8.24
Motorcycle	1,956	1,506	77.0%	1.9%	44	2,249.5	316	16,155.4	\$ 25,122	\$ 15,218	5.71
Other Vehicle Types	363	108	29.8%	0.1%	3	826.4	24	6,611.6	\$ 28,415	\$ 14,732	6.29
Passenger Car	169,037	50,390	29.8%	62.8%	504	298.2	3,705	2,191.8	\$ 21,413	\$ 10,214	5.43
Pick-Up Truck	62,484	14,448	23.1%	18.0%	190	304.1	1,198	1,917.3	\$ 21,710	\$ 9,974	5.52
School Bus	1,003	374	37.3%	0.5%	-	-	3	299.1	\$ 6,084	\$ 5,613	1.33
Tractor-Trailer Truck	5,032	557	11.1%	0.7%	8	159.0	79	1,570.0	\$ 18,937	\$ 9,356	5.70
Van	20,868	5,334	25.6%	6.7%	49	234.8	383	1,835.3	\$ 16,373	\$ 9,210	4.72
Not Stated	19,908	5,254	26.4%	6.6%	109	547.5	469	2,355.8	\$ 22,013	\$ 11,339	5.85
	288,460	80,188	27.8%	100.0%	935	324.1	6,410	2,222.1	\$ 21,379	\$ 10,333	5.46

Vehicle Type - According to police crash reports includes Bicycle/Moped, City/Private/Commerical Buses, Emergency Vehicle, Large Commercial Truck, Motorcycle, Passenger Car, Pick-up Truck, School Bus, Tractor-Trailer Truck, Van, Other Vehicle Types (Motorhomes, Farm Equipment, Hearse, etc.) and Not Stated

Persons Involved - Number of persons involved in crashes in specific vehicle such as passenger cars, emergency vehicles etc., according to police crash reports and includes all drivers as well as those passengers and pedestrians who were killed or injured

Injured - Number of persons who were injured in specific vehicle such as passenger cars, emergency vehicles etc, according to police crash reports (FR-300); includes 2 -Visible sign of injury - had to be transported, 3 - Other visible injury and 4 - no visible injury but complaint of pain or momentary unconsciousness; # Injured does not include 1 - Dead on Arrival, 5 - Died Later (within 30 days), 6 - Not Stated or blank values

Injury Rate - Of all persons involved in a crash, in specific vehicle such as passenger cars, emergency vehicles etc, and categorized within a **Vehicle Type Group or State Total**, the percentage for the Vehicle Type or State Total that were injured

% of All Injuries - Of all persons involved in a crash and categorized in a **Vehicle Type Group or State Total**, the percentage of all injuries that category represents

Fatal - Number of persons killed, in specific vehicle such as passenger cars, emergency vehicles etc, according to police crash reports and includes those who died at the crash scene

Fatality Rate per 100,000 - The fatality rate per 100,000 persons involved in crashes: (Persons Killed / Persons Involved) * 100,000

Inpatient Hospitalizations - # of persons involved in crashes who were identified by data imputation as having been hospitalized in Virginia

Inpatient Hospitalizations per 100,000 - The hospitalization rate per 100,000 persons involved in crashes: (Inpatient Hospitalizations)/(Persons Involved) * 100,000

Average Hospital Charge - The total inpatient hospital charges divided by the number of persons hospitalized: Total Hospital Charges / Number Hospitalized

Median Hospital Charges - The midpoint of all of the hospital charges where half of the values are above the median charge and half are below; the halfway point of a set of

Average Length of Stay - The total inpatient hospital days divided by the number of persons hospitalized: Total Hospital Days / Inpatient Hospitalizations

This report is based on Virginia Department of Motor Vehicles crash data combined with Virginia hospital discharge data. Reports produced with small numbers in a grouping may distort rates and averages. Use caution when interpreting these results. Virginia CODES is a cooperative program of the Department of Motor Vehicles, Virginia Department of Health, Virginia Health Information and Inova Regional Trauma Center. For more information please contact info@vacodes.org or 804-643-5573.