

Virginia CODES Crash Outcome Data Evaluation System



Motor Vehicle Crash Outcomes in 2002 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	1,075	976	90.8%	1.2%	13	1,209.3	150	13,953.5	\$ 21,760	\$ 12,420	4.89
City/Private/Commercial Buses	797	270	33.9%	0.3%	-	-	2	250.9	*	*	*
Emergency Vehicle	913	276	30.2%	0.3%	-	-	8	876.2	\$ 15,080	\$ 10,646	3.75
Large Commercial Truck	4,386	509	11.6%	0.6%	7	159.6	52	1,185.6	\$ 22,354	\$ 11,371	5.25
Motorcycle	1,840	1,472	80.0%	1.9%	54	2,934.8	373	20,271.7	\$ 27,972	\$ 16,767	5.95
Other Vehicle Types	343	115	33.5%	0.1%	2	583.1	26	7,580.2	\$ 38,293	\$ 15,942	8.69
Passenger Car	172,177	49,643	28.8%	62.9%	483	280.5	3,522	2,045.6	\$ 23,240	\$ 10,887	5.42
Pick-Up Truck	67,118	15,029	22.4%	19.0%	184	274.1	1,212	1,805.8	\$ 24,640	\$ 11,324	5.46
School Bus	1,063	411	38.7%	0.5%	-	-	6	564.4	\$ 19,785	\$ 7,450	3.17
Tractor-Trailer Truck	4,950	464	9.4%	0.6%	14	282.8	76	1,535.4	\$ 19,921	\$ 10,671	4.88
Van	21,473	5,677	26.4%	7.2%	51	237.5	383	1,783.6	\$ 20,349	\$ 10,143	4.70
Not Stated	16,668	4,055	24.3%	5.1%	105	629.9	363	2,177.8	\$ 26,936	\$ 16,188	6.10
State Total	292,803	78,897	26.9%	100.0%	913	311.8	6,173	2,108.2	\$ 23,804	\$ 11,534	5.44

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

Persons Involved - Number of persons involved in crashes, 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 and categorized within a **Vehicle Type Group or State Total**, the percentage for the Vehicle Type Group 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, according to police crash reports, and includes those who died at the crash scene or up to 30 days later

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 / Linked to Hospital

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 numbers is less affected by low or high numbers that might otherwise skew a mean or average

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.