

Virginia CODES Crash Outcome Data Evaluation System



Motor Vehicle Crash Outcomes in 2007 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	884	839	94.9%	1.2%	7	791.9	96	10,859.7	\$ 38,276	\$ 17,577	5.16
City/Private/Commercial Buses	779	241	30.9%	0.4%	-	-	22	2,824.1	\$ 17,330	\$ 9,798	3.18
Emergency Vehicle	1,139	229	20.1%	0.3%	1	87.8	27	2,370.5	\$ 25,808	\$ 17,336	5.96
Large Commercial Truck	5,022	581	11.6%	0.8%	5	99.6	97	1,931.5	\$ 39,705	\$ 15,583	6.28
Moped	278	231	83.1%	0.3%	8	2,877.7	64	23,021.6	\$ 39,405	\$ 20,997	5.30
Motorcycle	2,906	2,284	78.6%	3.3%	126	4,335.9	699	24,053.7	\$ 43,356	\$ 24,078	5.94
Not Stated	8,193	1,995	24.4%	2.9%	91	1,110.7	350	4,271.9	\$ 41,973	\$ 23,767	6.32
Other Vehicle Types	697	134	19.2%	0.2%	6	860.8	28	4,017.2	\$ 26,650	\$ 18,178	3.71
Passenger Car	160,049	39,794	24.9%	57.8%	453	283.0	6,682	4,175.0	\$ 28,377	\$ 14,342	4.83
Pick-Up Truck	36,005	7,011	19.5%	10.2%	141	391.6	1,388	3,855.0	\$ 33,291	\$ 16,442	5.31
School Bus	1,002	295	29.4%	0.4%	-	-	22	2,195.6	\$ 37,812	\$ 19,609	6.00
Special vehicle - ATV	72	55	76.4%	0.1%	5	6,944.4	17	23,611.1	\$ 62,707	\$ 24,306	7.94
Sport Utility Vehicle	44,978	10,113	22.5%	14.7%	135	300.1	1,809	4,022.0	\$ 27,489	\$ 14,025	4.73
Tractor-Trailer Truck	4,708	433	9.2%	0.6%	15	318.6	81	1,720.5	\$ 36,711	\$ 18,433	6.60
Van	19,421	4,587	23.6%	6.7%	33	169.9	752	3,872.1	\$ 27,805	\$ 14,261	4.87
State Total	286,133	68,822	24.1%	100.0%	1,026	358.6	12,134	4,240.7	\$ 30,345	\$ 15,247	5.01

Vehicle Type - According to police crash reports includes Bicycle/Moped, City/Private/Commercial Buses, Emergency Vehicle, Large Commercial Truck, Motorcycle, Other Vehicle Types (Motor homes, Farm Equipment, Hearse, etc.), Passenger Car, Pick-up Truck, School Bus, Tractor-Trailer Truck, Van 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, 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 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.