

Virginia CODES Crash Outcome Data Evaluation System



Motor Vehicle Crash Outcomes in 2005 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	1,151	1,062	92.3%	1.4%	23	1,998.3	122	10,599.5	\$ 31,443	\$ 13,830	5.89
City/Private/Commercial Buses	895	306	34.2%	0.4%	1	111.7	21	2,346.4	\$ 19,560	\$ 21,450	3.38
Emergency Vehicle	1,228	301	24.5%	0.4%	1	81.4	18	1,465.8	\$ 15,785	\$ 11,249	3.11
Large Commercial Truck	5,157	617	12.0%	0.8%	10	193.9	127	2,462.7	\$ 25,243	\$ 16,308	4.83
Motorcycle	2,510	1,990	79.3%	2.7%	68	2,709.2	488	19,442.2	\$ 50,484	\$ 25,545	7.68
Other Vehicle Types	754	198	26.3%	0.3%	12	1,591.5	53	7,029.2	\$ 37,704	\$ 19,098	5.68
Passenger Car	168,823	44,815	26.5%	60.6%	430	254.7	5,651	3,347.3	\$ 26,225	\$ 12,783	5.11
Pick-Up Truck / SUV	83,823	18,406	22.0%	24.9%	245	292.3	2,836	3,383.3	\$ 28,247	\$ 13,441	5.21
School Bus	1,273	429	33.7%	0.6%	3	235.7	36	2,828.0	\$ 27,741	\$ 13,532	5.14
Tractor-Trailer Truck	5,386	530	9.8%	0.7%	16	297.1	112	2,079.5	\$ 27,704	\$ 15,364	5.13
Van	21,679	5,301	24.5%	7.2%	43	198.3	698	3,219.7	\$ 23,586	\$ 13,198	4.81
Not Stated	9,139	2,068	22.6%	2.8%	94	1,028.6	251	2,746.5	\$ 42,109	\$ 22,295	7.16
State Total	301,818	76,023	25.2%	100.0%	946	313.4	10,413	3,450.1	\$ 28,216	\$ 13,830	5.29

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.