

# Virginia CODES Crash Outcome Data Evaluation System



Motor Vehicle Crash Outcomes in 2006 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	1,164	1,065	91.5%	1.5%	12	1,030.9	130	11,168.4	\$ 39,922	\$ 21,997	6.16
City/Private/Commercial Buses	849	239	28.2%	0.3%	3	353.4	26	3,062.4	\$ 19,518	\$ 14,134	4.23
Emergency Vehicle	1,161	242	20.8%	0.3%	1	86.1	26	2,239.4	\$ 13,893	\$ 10,441	4.08
Large Commercial Truck	4,671	496	10.6%	0.7%	5	107.0	150	3,211.3	\$ 23,548	\$ 13,579	4.33
Motorcycle	2,739	2,206	80.5%	3.0%	70	2,555.7	588	21,467.7	\$ 47,268	\$ 25,411	6.52
Not Stated	9,801	2,355	24.0%	3.2%	84	857.1	336	3,428.2	\$ 45,697	\$ 23,128	7.93
Other Vehicle Types	801	176	22.0%	0.2%	11	1,373.3	46	5,742.8	\$ 40,963	\$ 18,517	6.24
Passenger Car	171,080	43,209	25.3%	58.9%	462	270.0	6,865	4,012.7	\$ 25,679	\$ 13,023	4.68
Pick-Up Truck/SUV	82,293	17,367	21.1%	23.7%	252	306.2	3,075	3,736.6	\$ 29,102	\$ 14,019	5.15
School Bus	1,089	308	28.3%	0.4%	0	-	55	5,050.5	\$ 24,961	\$ 13,141	4.47
Tractor-Trailer Truck	5,096	466	9.1%	0.6%	18	353.2	181	3,551.8	\$ 24,490	\$ 17,712	4.41
Van	21,113	5,219	24.7%	7.1%	43	203.7	830	3,931.2	\$ 24,936	\$ 12,534	4.70
<b>State Total</b>	<b>301,857</b>	<b>73,348</b>	<b>24.3%</b>	<b>100.0%</b>	<b>961</b>	<b>318.4</b>	<b>12,308</b>	<b>4,077.4</b>	<b>\$ 28,185</b>	<b>\$ 14,074</b>	<b>4.98</b>

**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](mailto:info@vacodes.org) or 804-643-5573.*