

Virginia CODES Crash Outcome Data Evaluation System



Motor Vehicle Crash Outcomes in 2003 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	1,054	946	89.8%	1.2%	11	1,043.6	84	7,969.6	\$ 29,691	\$ 15,290	6.32
City/Private/Commercial Buses	908	303	33.4%	0.4%	0	-	25	2,753.3	\$ 25,054	\$ 13,546	5.44
Emergency Vehicle	1,177	312	26.5%	0.4%	2	169.9	14	1,189.5	\$ 43,159	\$ 12,621	7.64
Large Commercial Truck	4,617	608	13.2%	0.8%	8	173.3	91	1,971.0	\$ 29,999	\$ 12,086	5.56
Motorcycle	1,923	1,507	78.4%	1.9%	56	2,912.1	328	17,056.7	\$ 40,473	\$ 20,544	7.31
Other Vehicle Types	498	176	35.3%	0.2%	6	1,204.8	47	9,437.8	\$ 36,397	\$ 18,361	7.66
Passenger Car	171,839	48,182	28.0%	61.1%	494	287.5	4,101	2,386.5	\$ 21,895	\$ 10,742	4.90
Pick-Up Truck	74,846	16,447	22.0%	20.9%	210	280.6	1,532	2,046.9	\$ 21,801	\$ 10,309	4.72
School Bus	990	314	31.7%	0.4%	1	101.0	12	1,212.1	\$ 28,351	\$ 9,995	8.00
Tractor-Trailer Truck	5,518	571	10.3%	0.7%	15	271.8	133	2,410.3	\$ 21,097	\$ 11,387	4.55
Van	22,142	5,521	24.9%	7.0%	48	216.8	487	2,199.4	\$ 25,240	\$ 10,498	5.11
Not Stated	16,421	3,955	24.1%	5.0%	91	554.2	359	2,186.2	\$ 30,192	\$ 16,289	6.15
State Total	301,933	78,842	26.1%	100.0%	942	312.0	7,213	2,388.9	\$ 23,694	\$ 11,318	5.09

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.