

Virginia CODES Crash Outcome Data Evaluation System



Motor Vehicle Crash Outcomes in 2002 by Major Factor

Major Factor	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
Alcohol/Drug	10,070	4,356	43.3%	5.5%	203	2,015.9	583	5,789.5	\$ 26,333	\$ 12,255	5.43
Defective Vehicle	2,714	882	32.5%	1.1%	11	405.3	74	2,726.6	\$ 19,997	\$ 10,896	4.65
Driver Error/Inattention	230,161	59,342	25.8%	75.2%	476	206.8	4,349	1,889.5	\$ 23,038	\$ 11,150	5.34
Miscellaneous Factors	15,365	3,500	22.8%	4.4%	7	45.6	265	1,724.7	\$ 24,024	\$ 11,918	5.40
Road Defective or Slick	4,611	1,208	26.2%	1.5%	8	173.5	79	1,713.3	\$ 16,574	\$ 9,280	4.09
Speeding	11,618	5,007	43.1%	6.3%	199	1,712.9	552	4,751.2	\$ 29,649	\$ 13,858	6.23
Weather/Visibility Conditions	17,839	4,526	25.4%	5.7%	8	44.8	264	1,479.9	\$ 21,726	\$ 11,389	6.17
Not Stated	425	76	17.9%	0.1%	1	235.3	7	1,647.1	\$ 19,969	\$ 12,245	4.71
State Total	292,803	78,897	26.9%	100.0%	913	311.8	6,173	2,108.2	\$ 23,804	\$ 11,534	5.44

Major Factor - VDOT code derived from information on the FR300 denoting the primary factor contributing to the crash which may cause injury to the driver, passengers or pedestrians; includes Alcohol/Drug, Defective Vehicle, Driver Error/Inattention, Miscellaneous Factors (avoiding animal, loss of part of load, occupant injured within or fall from vehicle, etc), Road Defective or Slick, Speeding, Weather/Visibility Conditions 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 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 **Major Factor Group or State Total**, the percentage for the Major Factor Group or State Total that were injured

% of All Injuries - Of all persons involved in a crash and categorized in a **Major Factor 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.