

Virginia CODES Crash Outcome Data Evaluation System



Motor Vehicle Crash Outcomes in 2006 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	11,113	4,224	38.0%	5.8%	194	1,745.7	755	6,793.8	\$ 34,044	\$ 19,511	5.01
Defective Vehicle	2,490	690	27.7%	0.9%	10	401.6	99	3,975.9	\$ 31,776	\$ 14,457	4.97
Driver Error/Inattention	244,259	57,783	23.7%	78.8%	531	217.4	9,617	3,937.2	\$ 27,281	\$ 13,571	4.95
Miscellaneous Factors	17,407	3,429	19.7%	4.7%	12	68.9	670	3,849.0	\$ 27,341	\$ 14,181	5.17
Not Stated	971	199	20.5%	0.3%	0	-	44	4,531.4	\$ 58,574	\$ 25,221	7.25
Road Defective or Slick	3,817	1,022	26.8%	1.4%	6	157.2	161	4,218.0	\$ 26,387	\$ 14,073	4.71
Speeding	7,129	2,718	38.1%	3.7%	199	2,791.4	445	6,242.1	\$ 38,527	\$ 20,134	5.42
Weather/Visibility Conditions	14,671	3,283	22.4%	4.5%	9	61.3	517	3,524.0	\$ 25,912	\$ 12,367	4.85
State Total	301,857	73,348	24.3%	100.0%	961	318.4	12,308	4,077.4	\$ 28,185	\$ 14,074	4.98

Major Factor - VDOT code derived from information 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.

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