

Virginia CODES Crash Outcome Data Evaluation System



Motor Vehicle Crash Outcomes in 2005 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	10,103	4,050	40.1%	5.3%	142	1,405.5	610	6,037.8	\$ 37,772	\$ 18,984	5.79
Defective Vehicle	2,101	620	29.5%	0.8%	8	380.8	78	3,712.5	\$ 24,967	\$ 11,147	4.40
Driver Error/Inattention	242,399	59,402	24.5%	78.1%	528	217.8	8,094	3,339.1	\$ 26,379	\$ 13,128	5.08
Miscellaneous Factors	16,813	3,619	21.5%	4.8%	10	59.5	526	3,128.5	\$ 30,061	\$ 14,211	5.48
Road Defective or Slick	6,114	1,677	22.5%	0.6%	21	343.5	178	2,911.4	\$ 30,031	\$ 13,538	5.84
Speeding	7,079	2,797	27.4%	2.2%	226	3,192.5	379	5,353.9	\$ 44,010	\$ 19,951	7.22
Weather/Visibility Conditions	15,347	3,439	39.5%	3.7%	6	39.1	452	2,945.2	\$ 23,922	\$ 13,980	5.50
Not Stated	1,862	419	22.4%	4.5%	5	268.5	96	5,155.7	\$ 69,422	\$ 32,858	10.24
State Total	301,818	76,023	25.2%	100.0%	946	313.4	10,413	3,450.1	\$ 28,216	\$ 13,830	5.29

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.