

Virginia CODES Crash Outcome Data Evaluation System



Motor Vehicle Crash Outcomes in 2007 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	10,765	3,976	36.9%	5.8%	140	1,300.5	876	8,137.5	\$ 35,101	\$ 17,961	5.54
Defective Vehicle	2,436	663	27.2%	1.0%	12	492.6	125	5,131.4	\$ 31,646	\$ 16,590	4.78
Driver Error/Inattention	231,510	54,465	23.5%	79.1%	547	236.3	9,487	4,097.9	\$ 29,890	\$ 14,933	4.97
Miscellaneous Factors	16,107	3,244	20.1%	4.7%	16	99.3	567	3,520.2	\$ 26,073	\$ 15,776	4.78
Not Stated	474	81	17.1%	0.1%	-	-	17	3,586.5	\$ 59,149	\$ 13,392	8.35
Road Defective or Slick	5,176	1,299	25.1%	1.9%	20	386.4	201	3,883.3	\$ 26,101	\$ 14,384	4.08
Speeding	6,446	2,359	36.6%	3.4%	289	4,483.4	451	6,996.6	\$ 37,196	\$ 16,437	5.33
Weather/Visibility Conditions	13,219	2,735	20.7%	4.0%	2	15.1	410	3,101.6	\$ 29,560	\$ 14,993	5.13
State Total	286,133	68,822	24.1%	100.0%	1,026	358.6	12,134	4,240.7	\$ 30,345	\$ 15,270	5.01

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.