

# Virginia CODES Crash Outcome Data Evaluation System



Motor Vehicle Crash Outcomes in 2001 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	10,095	4,443	44.0%	5.5%	185	1,832.6	631	6,250.6	\$ 23,560	11504	5.34
Defective Vehicle	2,325	770	33.1%	1.0%	3	129.0	42	1,806.5	\$ 18,991	11604	5.17
Driver Error/Inattention	230,654	61,508	26.7%	76.7%	492	213.3	4604	1,996.1	\$ 20,515	9857	5.37
Miscellaneous Factors	15,433	3,633	23.5%	4.5%	14	90.7	254	1,645.8	\$ 24,050	11642	5.56
Road Defective or Slick	3,918	1,206	30.8%	1.5%	14	357.3	70	1,786.6	\$ 17,854	9951	4.70
Speeding	10,068	4,554	45.2%	5.7%	220	2,185.1	569	5,651.6	\$ 24,813	13580	6.18
Weather/Visibility Conditions	15,599	4,027	25.8%	5.0%	6	38.5	234	1,500.1	\$ 22,253	9873	6.01
Not Stated	368	47	12.8%	0.1%	1	271.7	6	1,630.4	\$ 40,030	8152	7.50
<b>State Total</b>	<b>288,460</b>	<b>80,188</b>	<b>27.8%</b>	<b>100.00%</b>	<b>935</b>	<b>324.1</b>	<b>6,410</b>	<b>2222.1</b>	<b>\$ 21,379</b>	<b>\$ 10,336</b>	<b>5.46</b>

**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 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 / Number Hospitalized

**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](mailto:info@vacodes.org) or 804-643-5573.*