

# Virginia CODES Crash Outcome Data Evaluation System



Motor Vehicle Crash Outcomes in 2007 by Age Group

Age Group	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
00 - 17	18,873	8,867	47.0%	12.9%	89	471.6	569	3,014.9	\$ 31,360	\$ 15,157	4.69
18 - 34	112,383	27,426	24.4%	39.9%	401	356.8	4,357	3,876.9	\$ 24,538	\$ 11,382	4.21
35 - 64	115,813	27,085	23.4%	39.4%	371	320.3	5,525	4,770.6	\$ 32,651	\$ 17,107	5.28
65+	19,636	4,807	24.5%	7.0%	158	804.6	1,682	8,565.9	\$ 37,461	\$ 19,833	6.31
Not Stated	19,428	637	3.3%	0.9%	7	36.0	1	5.1	*	*	*
<b>State Total</b>	<b>286,133</b>	<b>68,822</b>	<b>24.1%</b>	<b>100.0%</b>	<b>1,026</b>	<b>358.6</b>	<b>12,134</b>	<b>4,240.7</b>	<b>\$ 30,345</b>	<b>\$ 15,427</b>	<b>5.01</b>

**Age Group** - According to police crash reports the age of occupant grouped into the following categories 0-17, 18-34, 35-64 and 65+

**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 categorized into an **Age Group or State Total**, the percentage for the Age Group or State Total that were injured

**% of All Injuries** - Of all persons involved in a crash and categorized in an **Age 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 / Linked to 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.*