

# Virginia CODES Crash Outcome Data Evaluation System



## Motor Vehicle Crash Outcomes in 2005 by Alcohol Use and Age

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
<b>1 - Had not been Drinking</b>											
00 - 17	14,112	3,108	22.0%	4.1%	30	212.6	287	2,033.7	\$ 26,259	\$ 15,233	4.97
18 - 34	105,923	20,597	19.4%	27.1%	92	86.9	2,867	2,706.7	\$ 18,961	\$ 9,198	4.06
35 - 64	111,547	22,001	19.7%	28.9%	138	123.7	4,160	3,729.4	\$ 27,635	\$ 14,364	5.26
65+	17,954	3,645	20.3%	4.8%	81	451.2	1,121	6,243.7	\$ 31,176	\$ 17,083	6.54
Not Stated	953	89	9.3%	0.1%	2	209.9	-	-	*	*	*
<b>Subtotal</b>	<b>250,489</b>	<b>49,440</b>	<b>19.7%</b>	<b>65.0%</b>	<b>343</b>	<b>136.9</b>	<b>8,435</b>	<b>3,367.4</b>	<b>\$ 25,110</b>	<b>\$ 12,709</b>	<b>5.01</b>
<b>2 - Drinking - Obviously Drunk</b>											
00 - 17	62	19	30.6%	0.0%	2	3,225.8	1	1,612.9	*	*	*
18 - 34	2,746	962	35.0%	1.3%	17	619.1	168	6,118.0	\$ 35,494	\$ 20,362	5.80
35 - 64	2,019	718	35.6%	0.9%	19	941.1	167	8,271.4	\$ 28,810	\$ 15,221	5.47
65+	66	17	25.8%	0.0%	1	1,515.2	7	10,606.1	\$ 25,201	\$ 18,995	6.00
Not Stated	51	8	15.7%	0.0%	-	-	-	-	*	*	*
<b>Subtotal</b>	<b>4,944</b>	<b>1,724</b>	<b>34.9%</b>	<b>2.3%</b>	<b>39</b>	<b>788.8</b>	<b>343</b>	<b>6,937.7</b>	<b>\$ 32,044</b>	<b>\$ 17,556</b>	<b>5.64</b>
<b>3 - Drinking - Ability Impaired</b>											
00 - 17	62	31	50.0%	0.0%	-	-	2	3,225.8	*	*	*
18 - 34	1,353	479	35.4%	0.6%	11	813.0	64	4,730.2	\$ 33,296	\$ 20,399	4.92
35 - 64	865	332	38.4%	0.4%	7	809.2	89	10,289.0	\$ 48,460	\$ 19,326	6.72
65+	45	13	28.9%	0.0%	-	-	2	4,444.4	*	*	*
Not Stated	17	1	5.9%	0.0%	-	-	-	-	*	*	*
<b>Subtotal</b>	<b>2,342</b>	<b>856</b>	<b>36.5%</b>	<b>1.1%</b>	<b>18</b>	<b>768.6</b>	<b>157</b>	<b>6,703.7</b>	<b>\$ 41,980</b>	<b>\$ 19,807</b>	<b>6.01</b>
<b>4 - Drinking - Ability not Impaired</b>											
00 - 17	43	11	25.6%	0.0%	-	-	-	-	*	*	*
18 - 34	1,213	332	27.4%	0.4%	2	164.9	48	3,957.1	\$ 15,898	\$ 11,499	2.67
35 - 64	761	193	25.4%	0.3%	-	-	48	6,307.5	\$ 34,608	\$ 16,317	5.96
65+	49	12	24.5%	0.0%	1	2,040.8	4	8,163.3	*	*	*
Not Stated	55	3	5.5%	0.0%	-	-	-	-	*	*	*
<b>Subtotal</b>	<b>2,121</b>	<b>551</b>	<b>26.0%</b>	<b>0.7%</b>	<b>3</b>	<b>141.4</b>	<b>100</b>	<b>4,714.8</b>	<b>\$ 25,268</b>	<b>\$ 14,103</b>	<b>4.31</b>
<b>5 - Drinking - Not Known Impaired</b>											
00 - 17	43	21	48.8%	0.0%	1	2,325.6	7	16,279.1	\$ 55,132	\$ 42,950	10.43
18 - 34	1,148	506	44.1%	0.7%	43	3,745.6	133	11,585.4	\$ 62,498	\$ 22,676	7.89
35 - 64	756	390	51.6%	0.5%	46	6,084.7	138	18,254.0	\$ 52,521	\$ 23,206	9.17
65+	25	5	20.0%	0.0%	4	16,000.0	2	8,000.0	*	*	*
Not Stated	321	7	2.2%	0.0%	-	-	-	-	*	*	*
<b>Subtotal</b>	<b>2,293</b>	<b>929</b>	<b>40.5%</b>	<b>1.2%</b>	<b>94</b>	<b>4,099.4</b>	<b>280</b>	<b>12,211.1</b>	<b>\$ 57,409</b>	<b>\$ 23,775</b>	<b>8.61</b>
<b>6 - Not Stated</b>											
00 - 17	7,555	7,250	96.0%	9.5%	67	886.8	186	2,461.9	\$ 34,923	\$ 18,599	5.02
18 - 34	9,776	7,507	76.8%	9.9%	146	1,493.5	397	4,061.0	\$ 37,530	\$ 17,700	5.67
35 - 64	7,923	5,844	73.8%	7.7%	170	2,145.7	362	4,569.0	\$ 45,643	\$ 22,319	7.19
65+	1,697	1,324	78.0%	1.7%	62	3,653.5	153	9,015.9	\$ 51,663	\$ 22,670	8.61
Not Stated	12,678	598	4.7%	0.8%	4	31.6	-	-	*	*	*
<b>Subtotal</b>	<b>39,629</b>	<b>22,523</b>	<b>56.8%</b>	<b>29.6%</b>	<b>449</b>	<b>1,133.0</b>	<b>1,098</b>	<b>2,770.7</b>	<b>\$ 41,733</b>	<b>\$ 19,643</b>	<b>6.47</b>
<b>State Total</b>	<b>301,818</b>	<b>76,023</b>	<b>25.2%</b>	<b>100.0%</b>	<b>946</b>	<b>313.4</b>	<b>10,413</b>	<b>3,450.1</b>	<b>\$ 28,216</b>	<b>\$ 13,830</b>	<b>5.29</b>

\* Too few to calculate

**Alcohol Use** - According to police crash reports, the condition of the driver or pedestrian contributing to the crash which may have also caused injury to passengers or others represented in this report. Values include 1 - Had not been Drinking, 2 - Drinking - Obviously Drunk, 3 - Drinking - Ability Impaired, 4 - Drinking - Ability not Impaired, 5 - Drinking - Not Known Impaired or 6 - Not Stated

**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

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## Motor Vehicle Crash Outcomes in 2005 by Alcohol Use and Age

**# 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 as a result of a traffic crash), 6 - Not Stated or blank values

**Injury Rate** - Of all persons involved in a crash and categorized within an **Alcohol Use and Age Group, Subtotal or State Total**, the percentage for the Alcohol Use and Age Group, Subtotal or State Total that were injured

**% of All Injuries** - Of all persons involved in a crash and categorized in an **Alcohol Use and Age Group, Subtotal 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.*