

# Virginia CODES Crash Outcome Data Evaluation System



## Motor Vehicle Crash Outcomes in 2001 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	16,879	4,221	25.0%	5.3%	34	201.4	382	2,263.2	\$ 16,931	\$ 9,509	4.44
18 - 34	102,654	21,552	21.0%	26.9%	92	89.6	1,605	1,563.5	\$ 16,869	\$ 8,856	4.58
35 - 64	102,422	21,475	21.0%	26.8%	141	137.7	1,760	1,718.4	\$ 20,834	\$ 10,517	5.48
65+	17,706	3,747	21.2%	4.7%	111	626.9	683	3,857.4	\$ 23,451	\$ 10,601	6.26
Not Stated	1,256	227	18.1%	0.3%	1	79.6	89	7,086.0	\$ 8,959	\$ 1,593	3.93
<b>Subtotal</b>	<b>240,917</b>	<b>51,222</b>	<b>21.3%</b>	<b>63.9%</b>	<b>379</b>	<b>157.3</b>	<b>4,519</b>	<b>1,875.7</b>	<b>\$ 19,257</b>	<b>\$ 9,726</b>	<b>5.16</b>
<b>2 - Drinking - Obviously Drunk</b>											
00 - 17	108	37	34.3%	0.0%	0	-	15	13,888.9	\$ 12,738	\$ 6,209	3.13
18 - 34	2,672	1,016	38.0%	1.3%	21	785.9	194	7,260.5	\$ 23,719	\$ 11,546	5.18
35 - 64	2,066	783	37.9%	1.0%	19	919.7	165	7,986.4	\$ 24,730	\$ 10,349	6.44
65+	94	34	36.2%	0.0%	1	1,063.8	7	7,446.8	\$ 10,307	\$ 6,978	1.71
Not Stated	50	11	22.0%	0.0%	0	-	1	2,000.0	*	*	*
<b>Subtotal</b>	<b>4,990</b>	<b>1,881</b>	<b>37.7%</b>	<b>2.3%</b>	<b>41</b>	<b>821.6</b>	<b>382</b>	<b>7,655.3</b>	<b>\$ 23,421</b>	<b>\$ 10,505</b>	<b>5.57</b>
<b>3 - Drinking - Ability Impaired</b>											
00 - 17	90	40	44.4%	0.0%	1	1,111.1	7	7,777.8	\$ 13,950	\$ 9,256	3.29
18 - 34	1,379	537	38.9%	0.7%	14	1,015.2	87	6,308.9	\$ 18,644	\$ 9,033	3.69
35 - 64	839	315	37.5%	0.4%	6	715.1	61	7,270.6	\$ 22,630	\$ 11,897	5.57
65+	35	8	22.9%	0.0%	2	5,714.3	1	2,857.1	*	*	*
Not Stated	30	9	30.0%	0.0%	0	-	6	20,000.0	\$ 3,247	\$ 2,109	1.83
<b>Subtotal</b>	<b>2,373</b>	<b>909</b>	<b>38.3%</b>	<b>1.1%</b>	<b>23</b>	<b>969.2</b>	<b>162</b>	<b>6,826.8</b>	<b>\$ 19,408</b>	<b>\$ 10,171</b>	<b>4.32</b>
<b>4 - Drinking - Ability not Impaired</b>											
00 - 17	28	7	25.0%	0.0%	0	-	-	-	*	*	*
18 - 34	971	288	29.7%	0.4%	1	103.0	25	2,574.7	\$ 24,769	\$ 12,921	4.80
35 - 64	600	161	26.8%	0.2%	2	333.3	22	3,666.7	\$ 23,316	\$ 12,656	6.14
65+	40	11	27.5%	0.0%	0	-	3	7,500.0	*	*	*
Not Stated	17	4	23.5%	0.0%	0	-	1	5,882.4	*	*	*
<b>Subtotal</b>	<b>1,656</b>	<b>471</b>	<b>28.4%</b>	<b>0.6%</b>	<b>3</b>	<b>181.2</b>	<b>51</b>	<b>3,079.7</b>	<b>\$ 23,190</b>	<b>\$ 12,656</b>	<b>5.29</b>
<b>5 - Drinking - Not Known Impaired</b>											
00 - 17	69	37	53.6%	0.0%	2	2,898.6	9	13,043.5	\$ 19,115	\$ 8,286	4.00
18 - 34	1,284	619	48.2%	0.8%	29	2,258.6	145	11,292.8	\$ 30,282	\$ 14,476	6.72
35 - 64	774	384	49.6%	0.5%	42	5,426.4	107	13,824.3	\$ 40,543	\$ 13,681	8.72
65+	36	16	44.4%	0.0%	4	11,111.1	6	16,666.7	\$ 29,917	\$ 13,189	8.33
Not Stated	186	13	7.0%	0.0%	0	-	2	1,075.3	*	*	*
<b>Subtotal</b>	<b>2,349</b>	<b>1,069</b>	<b>45.5%</b>	<b>1.3%</b>	<b>77</b>	<b>3,278.0</b>	<b>269</b>	<b>11,451.7</b>	<b>\$ 33,769</b>	<b>\$ 13,681</b>	<b>7.42</b>
<b>6 - Not Stated</b>											
00 - 17	8,725	8,541	97.9%	10.7%	54	618.9	234	2,681.9	\$ 22,530	\$ 10,383	5.15
18 - 34	9,423	8,211	87.1%	10.2%	160	1,698.0	378	4,011.5	\$ 26,309	\$ 14,038	6.28
35 - 64	6,655	5,686	85.4%	7.1%	139	2,088.7	273	4,102.2	\$ 31,135	\$ 12,384	7.21
65+	1,628	1,454	89.3%	1.8%	56	3,439.8	128	7,862.4	\$ 29,090	\$ 13,508	7.66
Not Stated	9,744	744	7.6%	0.9%	3	30.8	14	143.7	\$ 15,511	\$ 2,016	5.57
<b>Subtotal</b>	<b>36,175</b>	<b>24,636</b>	<b>68.1%</b>	<b>30.7%</b>	<b>412</b>	<b>1,138.9</b>	<b>1,027</b>	<b>2,839.0</b>	<b>\$ 26,931</b>	<b>\$ 12,709</b>	<b>6.43</b>
<b>State Total</b>	<b>288,460</b>	<b>80,188</b>	<b>27.8%</b>	<b>100.0%</b>	<b>935</b>	<b>324.1</b>	<b>6,410</b>	<b>2,222.1</b>	<b>\$ 21,379</b>	<b>\$ 10,336</b>	<b>5.46</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 2001 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 Group or State Total**, the percentage for the Alcohol Use Group or State Total that were injured

**% of All Injuries** - Percent of injured persons in each category out of total persons injured.

**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:  $(\text{Persons Killed} / \text{Persons Involved}) * 100,000$

**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:  $(\text{Inpatient Hospitalizations})/(\text{Persons Involved}) * 100,000$

**Average Hospital Charge** - The total inpatient hospital charges divided by the number of persons hospitalized:  $\text{Total Hospital Charges} / \text{Number Hospitalized}$

**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:  $\text{Total Hospital Days} / \text{Linked to Inpatient Hospitalizations}$

*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.*