

Virginia CODES Crash Outcome Data Evaluation System



Motor Vehicle Crash Outcomes in 2003 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
1 - Had not been Drinking											
00 - 17	10,363	2,527	24.4%	3.2%	23	221.9	203	1,958.9	\$ 26,210	\$ 10,924	4.82
18 - 34	110,299	21,983	19.9%	27.9%	104	94.3	2,214	2,007.3	\$ 15,852	\$ 7,888	3.87
35 - 64	113,961	22,753	20.0%	28.9%	150	131.6	2,249	1,973.5	\$ 23,397	\$ 11,876	5.11
65+	18,963	3,842	20.3%	4.9%	108	569.5	822	4,334.8	\$ 26,044	\$ 14,254	6.34
Not Stated	1,159	146	12.6%	0.2%	0	-	18	1,553.1	\$ 27,917	\$ 14,094	5.50
Subtotal	254,745	51,251	20.1%	65.0%	385	151.1	5,506	2,161.4	\$ 20,876	\$ 10,371	4.79
2 - Drinking - Obviously Drunk											
00 - 17	60	33	55.0%	0.0%	0	-	3	5,000.0	*	*	*
18 - 34	2,766	972	35.1%	1.2%	17	614.6	172	6,218.4	\$ 26,450	\$ 13,628	4.67
35 - 64	1,979	714	36.1%	0.9%	12	606.4	142	7,175.3	\$ 29,269	\$ 14,252	5.46
65+	114	34	29.8%	0.0%	0	-	11	9,649.1	\$ 28,625	\$ 18,571	5.55
Not Stated	49	8	16.3%	0.0%	0	-	2	4,081.6	*	*	*
Subtotal	4,968	1,761	35.4%	2.2%	29	583.7	330	6,642.5	\$ 27,684	\$ 13,901	5.04
3 - Drinking - Ability Impaired											
00 - 17	44	12	27.3%	0.0%	1	2,272.7	1	2,272.7	*	*	*
18 - 34	1,379	490	35.5%	0.6%	7	507.6	76	5,511.2	\$ 26,373	\$ 13,414	3.95
35 - 64	838	292	34.8%	0.4%	10	1,193.3	52	6,205.3	\$ 29,498	\$ 13,019	5.63
65+	46	12	26.1%	0.0%	0	-	3	6,521.7	*	*	*
Not Stated	18	3	16.7%	0.0%	0	-	0	-	*	*	*
Subtotal	2,325	809	34.8%	1.0%	18	774.2	132	5,677.4	\$ 27,199	\$ 13,281	4.56
4 - Drinking - Ability not Impaired											
00 - 17	13	6	46.2%	0.0%	0	-	0	-	*	*	*
18 - 34	1,157	296	25.6%	0.4%	2	172.9	22	1,901.5	\$ 26,944	\$ 9,256	6.41
35 - 64	699	185	26.5%	0.2%	2	286.1	28	4,005.7	\$ 18,934	\$ 9,346	4.07
65+	52	16	30.8%	0.0%	0	-	2	3,846.2	*	*	*
Not Stated	11	1	9.1%	0.0%	0	-	0	-	*	*	*
Subtotal	1,932	504	26.1%	0.6%	4	207.0	52	2,691.5	\$ 22,135	\$ 9,346	5.02
5 - Drinking - Not Known Impaired											
00 - 17	38	17	44.7%	0.0%	0	-	1	2,631.6	*	*	*
18 - 34	1,237	553	44.7%	0.7%	39	3,152.8	135	10,913.5	\$ 35,430	\$ 15,787	5.79
35 - 64	738	372	50.4%	0.5%	41	5,555.6	106	14,363.1	\$ 50,353	\$ 24,175	9.66
65+	46	24	52.2%	0.0%	4	8,695.7	6	13,043.5	\$ 66,704	\$ 42,662	12.00
Not Stated	180	2	1.1%	0.0%	1	555.6	1	555.6	*	*	*
Subtotal	2,239	968	43.2%	1.2%	85	3,796.3	249	11,121.0	\$ 42,388	\$ 18,509	7.57
6 - Not Stated											
00 - 17	7,576	7,431	98.1%	9.4%	56	739.2	183	2,415.5	\$ 23,503	\$ 11,069	4.84
18 - 34	9,481	8,203	86.5%	10.4%	148	1,561.0	353	3,723.2	\$ 36,429	\$ 17,389	6.50
35 - 64	6,912	5,763	83.4%	7.3%	158	2,285.9	262	3,790.5	\$ 38,989	\$ 17,892	7.31
65+	1,641	1,452	88.5%	1.8%	59	3,595.4	142	8,653.3	\$ 28,453	\$ 13,941	6.19
Not Stated	10,114	700	6.9%	0.9%	0	-	4	39.5	*	*	*
Subtotal	35,724	23,549	65.9%	29.9%	421	1,178.5	944	2,642.5	\$ 33,400	\$ 15,816	6.34
State Total	301,933	78,842	26.1%	100.0%	942	312.0	7,213	2,388.9	\$ 23,694	\$ 11,318	5.09

* 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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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 or 804-643-5573.