



Alcohol-Related Crashes in 2009

Oklahoma Department of Public Safety | Highway Safety Office | 3223 N. Lincoln Blvd | Oklahoma City, OK 73105
www.ohso.ok.gov | Phone: 405/523-1570 | Fax: 405/523-1586

Alcohol-Related Fatal Crashes & Fatalities Five Year Trend					
	2005	2006	2007	2008	2009
Alcohol-Related Fatal Crashes	149	148	198	232	190
Total Fatal Crashes	708	668	653	673	646
Alcohol-Related Fatal Crashes as Percentage of Total Fatal Crashes	21.0%	22.2%	30.3%	34.5%	29.4%
Fatalities Occurring in Alcohol-Related Crashes	166	157	229	266	209
Total Fatalities	800	765	770	751	737
Alcohol-Related Fatalities as Percentage of Total Fatalities	20.8%	20.5%	29.7%	35.4%	28.4%

Involvement

In 2009, there were 4,972 reported alcohol-related crashes in Oklahoma. This represents 7.0% of the total 71,218 total reported crashes.

Alcohol-related crashes in 2009 resulted in 209 fatalities – a decrease of 18.1% from the 232 killed in 2008.

There were 3,452 persons injured in 2009 alcohol-related crashes – a decrease of 4.4% from the 3,612 injured in 2008.

In 2009, the statewide alcohol-related fatality rate was .44 per 100 million

Fatalities

Of the 209 alcohol-related fatalities in 2009, 148 were drivers, 49 were passengers, 10 were pedestrians and two were bicyclists.

Vehicle Occupant Fatalities in Alcohol-Related Crashes (2009) Vehicle Type & Person Type			
Vehicle Type	Driver	Passenger	Total
Passenger Vehicle-2 Door	10	6	16
Passenger Vehicle-4 Door	23	7	30
Passenger Vehicle-Convertible	1	0	1
Pickup Truck	56	21	77
Motorcycle	32	7	39
Farm Machinery	1	0	1
ATV	2	0	2
Sport Utility Vehicle (SUV)	17	5	22
Passenger Van	4	2	6
Van-10,000 lbs. or less	1	0	1
Other	1	1	2
Total	148	49	197



Fatalities by Age, Sex & Person Type

The table below shows fatalities in alcohol-related crashes in 2009 by age, sex and person type. Some 70.8% of the fatalities in alcohol-related crashes were drivers, 23.4% were passengers and 5.7% were non-motorists.

Fatalities in Alcohol-Related Crashes (2009) Person Age, Person Sex and Person Type															
Age	Bicyclist			Driver			Pedestrian			Passenger			Total		
	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total
Under 16							1		1		2		2		3
16 - 25				6	27	33	1	1	2	8	13	21	15	41	56
26 - 35	1	1	2	4	29	33	1	1	2	2	8	10	8	39	47
36 - 45				4	21	25		4	4	3	4	7	7	29	36
46 - 55				7	32	39		1	1	2	4	6	9	37	46
56 - 65				1	12	13				1	1	1	1	13	14
66 - 75				1	4	5				1		1	2	4	6
76+										1		1	1		1
Total	1	1	2	23	125	148	3	7	10	19	30	49	46	163	209

Fatalities & Restraint Use

Restraint use was known for 143 of the 152 occupants killed in passenger vehicles/pickup trucks in alcohol-related crashes in 2009. Of the 143 fatalities with known restraint use, 76.9% were unrestrained. Comparison of occupant fatalities in passenger vehicles and pickup trucks shows that 87.3% of the pickup truck occupants were unrestrained while 66.7% of the passenger vehicle occupants were unrestrained.

Fatalities in Alcohol-Related Crashes (2009) Passenger Vehicle/Pickup Truck Occupants Vehicle Type, Person Type & Known Restraint Use				
		Restraint in Use		
		Not In Use	In Use	Total
Driver	Passenger Vehicle	33	20	53
	Pickup Truck	44	8	52
	Total	77	28	105
Passenger	Passenger Vehicle	15	4	19
	Pickup Truck	18	1	19
	Total	33	5	38
Total	Passenger Vehicle	48	24	72
	Pickup Truck	62	9	71
	Total	110	33	143

Motorcyclist Fatalities & Helmet Use

Helmet use was known for 37 of the 39 motorcyclists killed in alcohol-related crashes in 2009. Of these 37 motorcyclists, 83.8% were unhelmeted.

Motorcyclist Fatalities in Alcohol-Related Crashes (2009)			
	Unhelmeted	Helmeted	Total
Operator	25	6	31
Passenger	6		6
Total	31	6	37

Drivers

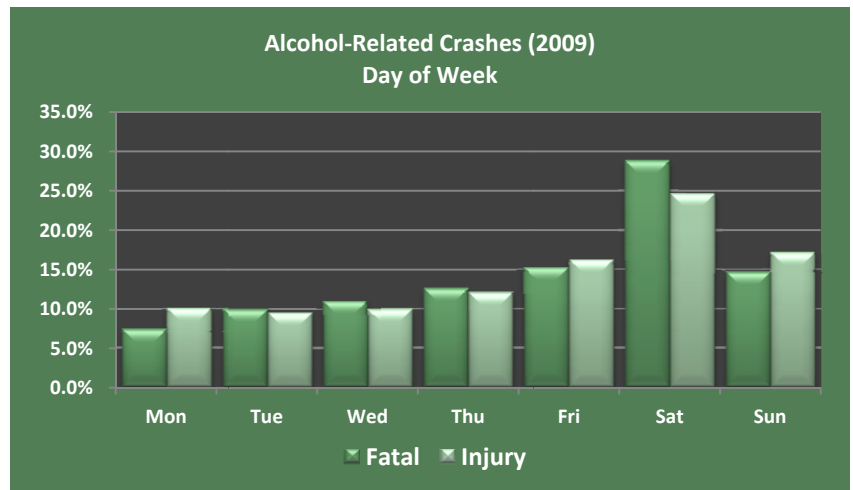
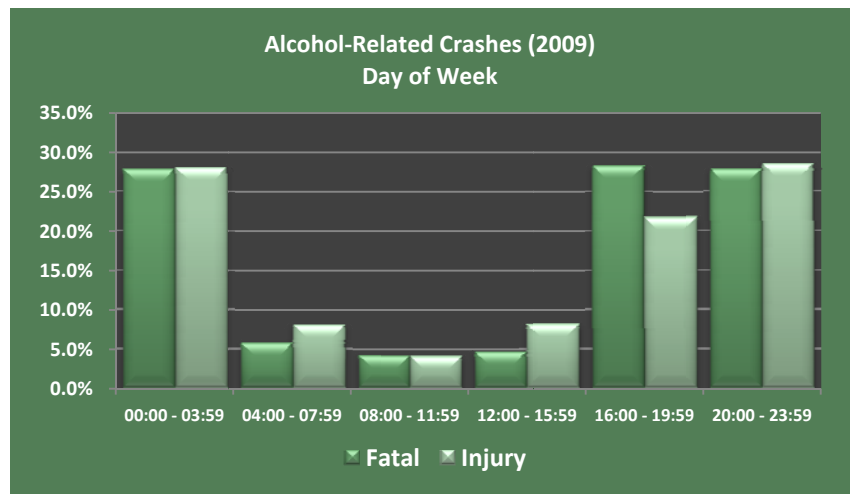
There were 6,871 drinking drivers involved in 2009 crashes. This represents 5.4% of the 126,717 drivers involved in crashes. In 2009, 70.9% of the drinking drivers involved in crashes were male. Although there were fewer female drinking drivers involved in crashes, when sorted by age groups, the percentage of male and female drinking drivers was similar. Drivers age 16-25 had the highest incidence of drinking while driving, followed by age 26-35 and age 36-45.

Drinking Drivers in Crashes (2009) Driver Age & Driver Sex								
Driver Age	Unknown		Female		Male		Total	
	Drivers	% of Total	Drivers	% of Total	Drivers	% of Total	Drivers	% of Total
Unknown	59	98.3%	5	.3%	32	.7%	96	1.4%
Under 16			2	.1%	7	.1%	9	.1%
16 – 25	1	1.7%	646	33.3%	1500	30.8%	2147	31.2%
26 – 35			472	24.3%	1253	25.7%	1725	25.1%
36 – 45			385	19.8%	855	17.6%	1240	18.0%
46 – 55			288	14.8%	749	15.4%	1037	15.1%
56 – 65			93	4.8%	335	6.9%	428	6.2%
66 – 75			35	1.8%	112	2.3%	147	2.1%
76+			16	.8%	26	.5%	42	.6%
Total	60	100.0%	1942	100.0%	4869	100.0%	6871	100.0%

Time & Day of Week

Alcohol-related crashes typically occur during late evening and early morning hours, and the year 2009 was no exception. Some 84.2% of the fatal crashes and 78.5% of the injury crashes occurred between the hours of 4:00 p.m. (16:00) and 3:59 a.m. (3:59).

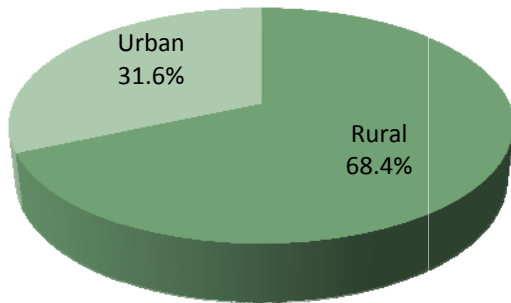
Some 28.9% of the alcohol-related fatal crashes and 24.7% of the injury crashes occurred on Saturday.



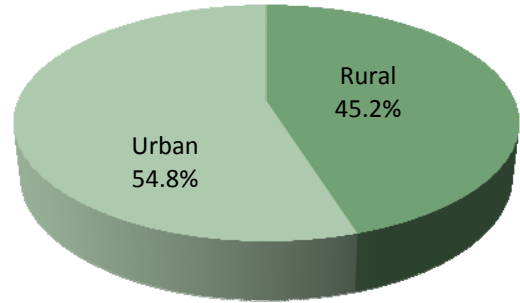
Rural vs. Urban

Some 68.4% of the alcohol-related fatal crashes occurred in rural areas. In comparison, 45.2% of the injury crashes occurred in rural areas.

**Alcohol-Related Fatal Crashes (2009)
Rural vs. Urban**



**Alcohol-Related Injury Crashes (2009)
Rural vs. Urban**



Number of Vehicles Involved in Crashes

In 2009, 74.7% of the alcohol-related fatal crashes involved one vehicle, 20.0% involved two vehicles, 3.7% involved three vehicles and 1.6% involved four or more vehicles. Some 56.2% of the alcohol-related injury crashes involved one vehicle, 38.6% involved two vehicles, 4.7% involved three vehicles and 0.8% involved 4 or more vehicles.

Alcohol-Related Crashes (2009) Number of Vehicles Involved in Crash					
Crash Injury Severity	Number of Vehicles Involved in Crash				Total
	1 Vehicle	2 Vehicles	3 Vehicles	4+ Vehicles	
Fatal	142	38	7	3	190
Incapacitating	341	160	13	3	517
Non-incapacitating	624	297	46	5	972
Possible	326	425	48	11	810
Total	1433	920	114	22	2489

Driver Fatalities with Alcohol-Related Condition

Of the 146 driver fatalities with an alcohol-related driver condition, 37.0% were drivers of passenger vehicles and 59.3% of these drivers were unrestrained. Some 38.4% of the driver fatalities were occupants of pickup trucks and 78.6% were unrestrained. Some 21.2% of the driver fatalities were motorcycle operators and 77.4% were unhelmeted.

Drivers in Fatal Crashes (2009) Alcohol-Related Driver Condition Vehicle Type & Safety Equipment Use					
Vehicle Type	Safety Equipment Use				Total
	Unknown	Not In Use	In Use	Helmet	
Passenger Vehicle	2	32	20		54
Pickup Truck	4	44	8		56
Motorcycle	1	24		6	31
ATV	1	1			2
Other	1	2			3
Total	9	103	28	6	146

Alcohol-Related Fatality & Injury Rates by County (2009) Rates by Population & Vehicles Miles Traveled (VMT)								
County	Estimated Population	Vehicles Miles Traveled	Fatalities	Rate Per 5,000 Population	Rate per 100 Million VMT	Injuries	Rate Per 5,000 Population	Rate per 100 Million VMT
Adair	21,857	151,358,200	2	0.46	1.32	26	5.95	17.18
Alfalfa	5,481	63,254,500	1	0.91	1.58	2	1.82	3.16
Atoka	14,498	348,837,800	3	1.03	0.86	11	3.79	3.15
Beaver	5,270	153,978,900				1	0.95	0.65
Beckham	21,116	393,754,700	3	0.71	0.76	13	3.08	3.30
Blaine	12,609	124,450,400	2	0.79	1.61	12	4.76	9.64
Bryan	40,783	550,803,250	5	0.61	0.91	47	5.76	8.53
Caddo	30,393	418,096,550	7	1.15	1.67	33	5.43	7.89
Canadian	109,668	1,484,079,050	4	0.18	0.27	78	3.56	5.26
Carter	48,326	671,191,200	3	0.31	0.45	45	4.66	6.70
Cherokee	46,029	384,268,350	3	0.33	0.78	68	7.39	17.70
Choctaw	14,872	205,688,450	1	0.34	0.49	14	4.71	6.81
Cimarron	2,630	75,733,850				10	19.01	13.20
Cleveland	244,589	2,333,010,650	10	0.20	0.43	166	3.39	7.12
Coal	5,856	94,648,150	2	1.71	2.11	2	1.71	2.11
Comanche	113,228	1,073,286,150	3	0.13	0.28	124	5.48	11.55
Cotton	6,281	129,677,200	1	0.80	0.77	5	3.98	3.86
Craig	15,158	320,597,750	1	0.33	0.31	7	2.31	2.18
Creek	70,244	962,968,550	7	0.50	0.73	58	4.13	6.02
Custer	26,717	419,085,700	1	0.19	0.24	32	5.99	7.64
Delaware	40,555	389,444,050	2	0.25	0.51	46	5.67	11.81
Dewey	4,404	103,276,750	1	1.14	0.97	4	4.54	3.87
Ellis	3,925	90,928,800				6	7.64	6.60
Garfield	58,928	552,084,400				43	3.65	7.79
Garvin	27,113	537,988,100	3	0.55	0.56	44	8.11	8.18
Grady	51,649	632,749,400	2	0.19	0.32	32	3.10	5.06
Grant	4,317	81,964,400	1	1.16	1.22	4	4.63	4.88
Greer	5,830	53,454,250	1	0.86	1.87	2	1.72	3.74
Harmon	2,843	26,721,650				2	3.52	7.48
Harper	3,377	78,642,900						
Haskell	12,393	128,458,100	2	0.81	1.56	22	8.88	17.13
Hughes	13,819	159,307,900	1	0.36	0.63	6	2.17	3.77
Jackson	25,369	250,218,450	2	0.39	0.80	15	2.96	5.99
Jefferson	6,319	76,022,200				9	7.12	11.84
Johnston	10,468	118,325,700	1	0.48	0.85	11	5.25	9.30
Kay	46,110	565,819,350	5	0.54	0.88	59	6.40	10.43
Kingfisher	14,384	176,681,900				11	3.82	6.23
Kiowa	9,101	127,760,950				5	2.75	3.91
Latimer	10,621	133,203,100	2	0.94	1.50	18	8.47	13.51
LeFlore	49,915	568,852,500	3	0.30	0.53	59	5.91	10.37
Lincoln	32,199	537,495,350	1	0.16	0.19	24	3.73	4.47
Logan	39,301	440,795,900	3	0.38	0.68	25	3.18	5.67
Love	9,124	315,411,100	2	1.10	0.63	10	5.48	3.17
McClain	33,168	722,696,350				28	4.22	3.87
McCurtain	33,370	423,889,100	7	1.05	1.65	68	10.19	16.04
McIntosh	19,801	436,105,650	3	0.76	0.69	12	3.03	2.75

Alcohol-Related Fatality & Injury Rates by County (2009) Rates by Population & Vehicles Miles Traveled (VMT)								
County	Estimated Population	Vehicles Miles Traveled	Fatalities	Rate Per 5,000 Population	Rate per 100 Million VMT	Injuries	Rate Per 5,000 Population	Rate per 100 Million VMT
Major	7,189	149,945,650				6	4.17	4.00
Marshall	15,014	153,862,100				23	7.66	14.95
Mayes	40,065	629,526,450	5	0.62	0.79	51	6.36	8.10
Murray	12,960	237,027,350	2	0.77	0.84	17	6.56	7.17
Muskogee	71,412	888,285,900	5	0.35	0.56	40	2.80	4.50
Noble	10,950	364,985,400				17	7.76	4.66
Nowata	10,528	120,161,650	1	0.47	0.83	10	4.75	8.32
Okfuskee	10,924	201,399,700	1	0.46	0.50	15	6.87	7.45
Oklahoma	716,704	9,787,190,300	23	0.16	0.24	651	4.54	6.65
Okmulgee	39,292	486,847,950	8	1.02	1.64	43	5.47	8.83
Osage	45,051	359,014,000	5	0.55	1.39	51	5.66	14.21
Ottawa	31,629	556,781,950	4	0.63	0.72	35	5.53	6.29
Pawnee	16,419	238,177,100	2	0.61	0.84	10	3.05	4.20
Payne	79,727	703,895,200	1	0.06	0.14	78	4.89	11.08
Pittsburg	45,211	682,524,450	1	0.11	0.15	46	5.09	6.74
Pontotoc	37,422	406,971,350	3	0.40	0.74	26	3.47	6.39
Pottawatomie	70,274	779,494,000	3	0.21	0.38	71	5.05	9.11
Pushmataha	11,812	161,282,550	1	0.42	0.62	32	13.55	19.84
Roger Mills	3,407	72,671,500				7	10.27	9.63
Rogers	85,654	1,065,175,850	3	0.18	0.28	71	4.14	6.67
Seminole	24,296	380,972,400	4	0.82	1.05	35	7.20	9.19
Sequoyah	41,433	573,495,300				56	6.76	9.76
Stephens	43,487	407,329,050	4	0.46	0.98	51	5.86	12.52
Texas	21,135	300,730,800				10	2.37	3.33
Tillman	7,796	83,614,200	2	1.28	2.39	5	3.21	5.98
Tulsa	601,961	7,376,431,000	18	0.15	0.24	541	4.49	7.33
Wagoner	70,394	722,656,200	7	0.50	0.97	53	3.76	7.33
Washington	50,706	435,948,700	1	0.10	0.23	47	4.63	10.78
Washita	11,813	217,138,500				7	2.96	3.22
Woods	8,418	94,228,400	2	1.19	2.12	7	4.16	7.43
Woodward	19,959	272,158,600	2	0.50	0.73	21	5.26	7.72
Statewide	3,687,050	46,996,991,200	209	0.28	0.44	3,452	4.68	7.35

Injury severity includes incapacitating, non-incapacitating and possible.

Alcohol-Related Fatality & Injury Rates in Cities of 5,000+ Population (2009) Rates by Population & Vehicles Miles Traveled (VMT)								
City	Estimated Population	Vehicles Miles Traveled	Fatalities	Rate Per 5,000 Population	Rate per 100 Million VMT	Injuries	Rate Per 5,000 Population	Rate per 100 Million VMT
Ada	17,017	125,954,200	1	0.29	0.79	6	1.76	4.76
Altus	19,000	114,646,500	1	0.26	0.87	9	2.37	7.85
Anadarko	6,380	34,992,550	1	0.78	2.86	6	4.70	17.15
Ardmore	24,850	261,891,150	1	0.20	0.38	25	5.03	9.55
Bartlesville	36,068	201,527,450	1	0.14	0.50	23	3.19	11.41
Bethany	19,767	138,736,500				17	4.30	12.25
Bixby	21,433	114,095,350				7	1.63	6.14
Blackwell	7,203	33,382,900				3	2.08	8.99
Blanchard	6,762	52,585,550				2	1.48	3.80
Broken Arrow	94,996	741,610,650	1	0.05	0.13	64	3.37	8.63
Catoosa	7,897	57,553,200				4	2.53	6.95
Chickasha	17,192	126,103,850				3	0.87	2.38
Choctaw	11,587	84,362,450				3	1.29	3.56
Claremore	17,397	121,508,500				11	3.16	9.05
Clinton	8,852	69,510,600				3	1.69	4.32
Collinsville	5,204	16,738,900				3	2.88	17.92
Coweta	8,975	62,517,200				2	1.11	3.20
Cushing	9,596	35,981,700				1	0.52	2.78
Del City	22,297	212,846,100	1	0.22	0.47	16	3.59	7.52
Duncan	22,568	168,801,550				8	1.77	4.74
Durant	16,876	148,982,050				30	8.89	20.14
Edmond	81,093	742,289,550	1	0.06	0.13	32	1.97	4.31
El Reno	16,999	236,074,700				17	5.00	7.20
Elk City	11,517	76,737,600				4	1.74	5.21
Enid	47,968	376,880,750				30	3.13	7.96
Glenpool	10,356	89,300,900	2	0.97	2.24	16	7.72	17.92
Grove	6,376	43,869,350	2	1.57	4.56	5	3.92	11.40
Guthrie	11,502	64,736,400	1	0.43	1.54	3	1.30	4.63
Guymon	11,117	47,318,600				2	0.90	4.23
Harrah	5,291	56,531,200				6	5.67	10.61
Henryetta	6,004	34,368,400						
Holdenville	5,588	17,983,550						
Hugo	5,395	26,112,100				1	0.93	3.83
Idabel	6,783	67,999,500				5	3.69	7.35
Jenks	16,143	181,018,100				7	2.17	3.87
Lawton	91,186	680,527,900	1	0.05	0.15	86	4.72	12.64
Lone Grove	5,358	44,489,850				4	3.73	8.99
McAlester	18,413	107,061,800	1	0.27	0.93	16	4.34	14.94
Miami	12,908	75,726,550	1	0.39	1.32	7	2.71	9.24
Midwest City	57,193	401,514,600	1	0.09	0.25	37	3.23	9.22
Moore	53,762	443,336,300	1	0.09	0.23	42	3.91	9.47
Muskogee	39,991	376,840,600	1	0.13	0.27	20	2.50	5.31
Mustang	18,384	102,061,300				6	1.63	5.88
Newcastle	7,528	179,072,650				11	7.31	6.14

Alcohol-Related Fatality & Injury Rates in Cities of 5,000+ Population (2009) Rates by Population & Vehicles Miles Traveled (VMT)								
City	Estimated Population	Vehicles Miles Traveled	Fatalities	Rate Per 5,000 Population	Rate per 100 Million VMT	Injuries	Rate Per 5,000 Population	Rate per 100 Million VMT
Noble	5,914	30,225,650				3	2.54	9.93
Norman	109,063	1,064,194,000	7	0.32	0.66	91	4.17	8.55
Oklahoma City	560,332	9,017,923,600	21	0.19	0.23	570	5.09	6.32
Okmulgee	12,557	74,230,050				15	5.97	20.21
Owasso	28,865	134,210,500				8	1.39	5.96
Pauls Valley	6,067	73,131,400				5	4.12	6.84
Piedmont	5,753	22,312,450				1	0.87	4.48
Ponca City	24,780	159,950,300	1	0.20	0.63	35	7.06	21.88
Poteau	8,290	91,826,700				13	7.84	14.16
Pryor	9,260	55,377,800	1	0.54	1.81	3	1.62	5.42
Purcell	6,224	128,713,600				1	0.80	0.78
Sallisaw	8,812	85,004,850				4	2.27	4.71
Sand Springs	18,868	136,652,350				14	3.71	10.24
Sapulpa	21,228	217,032,650				19	4.48	8.75
Seminole	6,827	68,660,150				1	0.73	1.46
Shawnee	30,533	248,207,300				27	4.42	10.88
Skiatook	6,897	33,240,550				2	1.45	6.02
Stillwater	46,157	268,439,250				25	2.71	9.31
Tahlequah	16,665	126,377,600	2	0.60	1.58	11	3.30	8.70
Tecumseh	6,721	53,019,900				2	1.49	3.77
The Village	9,849	59,841,750				5	2.54	8.36
Tulsa	389,625	5,266,574,050	14	0.18	0.27	399	5.12	7.58
Tuttle	6,158	50,450,300				1	0.81	1.98
Vinita	6,056	32,397,400				3	2.48	9.26
Wagoner	8,139	47,026,600				1	0.61	2.13
Warr Acres	9,501	78,945,850				13	6.84	16.47
Watonga	5,630	10,088,600						
Weatherford	10,386	49,859,000				3	1.44	6.02
Woodward	12,347	87,694,900	1	0.40	1.14	5	2.02	5.70
Yukon	23,511	150,051,500				5	1.06	3.33
Total	2,369,787	25,317,841,750	66	0.14	0.26	1888	3.98	7.46

Injury severity includes incapacitating, non-incapacitating and possible.