

Speed-Related Crashes in 2008

Oklahoma Department of Public Safety – Highway Safety Office
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In 2008, one in three fatalities occurred in Speed-Related crashes

Speed-Related Fatal Crashes and Fatalities Five-Year Trend					
	2004	2005	2006	2007	2008
Speed-Related Fatal Crashes	203	213	186	192	204
Total Fatal Crashes	667	708	668	653	673
Speed-Related Crashes as Percentage of Total Fatal Crashes	30.4%	30.1%	27.8%	29.4%	30.3%
Fatalities Occurring in Speed-Related Crashes	239	239	203	220	223
Total Fatalities	777	800	765	770	751
Percentage of Fatalities Occurring in Speed Related Crashes	30.8%	29.9%	26.5%	28.6%	30.0%

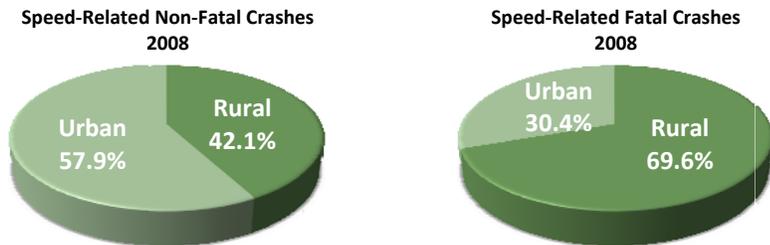
The table above illustrates that each year approximately 30.0% of fatal crashes and fatalities are Speed-Related. The year 2006 had the lowest number of fatal crashes (186) and fatalities (203) during the five-year period from 2004-2008. The year 2005 had the highest number of fatal crashes with 213 crashes. Both 2004 and 2005 had the highest number of fatalities with 239 fatalities each year.

Involvement

In 2008, Oklahoma reported 10,921 Speed-Related crashes. These crashes resulted in 204 fatal crashes and 4,770 injury crashes with 223 fatalities and 6,979 persons injured. Some 30.0% of the total 751 fatalities in 2008 were Speed-Related.

Location Type

Oklahoma's 2008 crash data show that more than half of the Speed-Related non-fatal crashes occurred in urban areas. However, Speed-Related crashes involving a fatality occurred twice as often in rural areas.



Number of Vehicles Involved

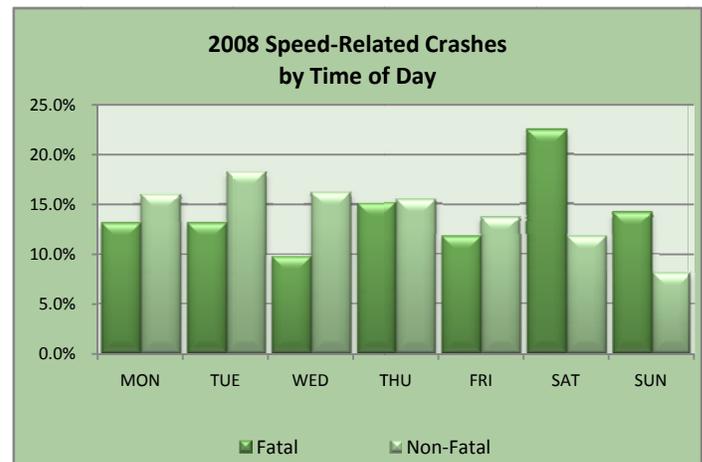
One vehicle was involved in 50.5% of the non-fatal Speed-Related crashes, while 69.6% of the fatal Speed-Related crashes involved one vehicle. Two vehicles were involved in 40.2% of the non-fatal Speed-Related crashes.

Speed-Related Crashes In 2008 By Number of Vehicles Involved				
Number of Vehicles	Non-Fatal Crashes	% of Non-Fatal Crashes	Fatal Crashes	% of Fatal Crashes
One	5,437	50.5%	142	69.6%
Two	4,312	40.2%	49	24.0%
Three	774	7.2%	10	4.9%
Four or More	192	1.8%	3	1.5%
Not Stated	2	0.0%		
Totals	10,717	100.0%	204	100.0%

Persons Killed/Injured in Speed-Related Crashes (2008) By Injury Severity and Person Type		
	Count	% of Total
Fatalities		
Occupant of Passenger Vehicle	110	49.3%
Occupant of Large Truck	5	2.2%
Occupant of Pickup Truck	61	27.4%
Motorcyclist	39	17.5%
ATV	5	2.2%
Occupant of Other Type Vehicle	2	.9%
Non-Motorist	1	.4%
Total	223	100.0%
Incapacitating Injuries		
Occupant of Passenger Vehicle	450	54.2%
Occupant of Large Truck	26	3.1%
Occupant of Pickup Truck	171	20.6%
Motorcyclist	141	17.0%
ATV	20	2.4%
Occupant of Other Type Vehicle	19	2.3%
Non-Motorist	4	0.5%
Total	831	100.0%
Non-Incapacitating Injuries		
Occupant of Passenger Vehicle	1,618	61.0%
Occupant of Large Truck	100	3.8%
Occupant of Pickup Truck	643	24.2%
Motorcyclist	202	7.6%
ATV	21	0.8%
Occupant of Other Type Vehicle	52	2.0%
Non-Motorist	17	0.6%
Total	2,653	100.0%
Possible Injuries		
Occupant of Passenger Vehicle	2,595	74.2%
Occupant of Large Truck	59	1.7%
Occupant of Pickup Truck	683	19.5%
Motorcyclist	71	2.0%
ATV	2	0.1%
Occupant of Other Type Vehicle	71	2.0%
Non-Motorist	14	0.4%
Total	3,495	100.0%

Time of Day & Day of Week

Fatal Speed-Related crashes in 2008, whether fatal or non-fatal, occurred more often between 12:00 Noon (12:00) and 11:59 p.m. (23:59). Fatal Speed-Related crashes occurred on Saturday more than any other day of the week, while non-fatal crashes occurred more often Tuesday.



Safety Equipment Use by Fatalities

In passenger vehicles, 54.8% of the drivers killed and 75.8% of the passengers killed were unrestrained. In pickup trucks, 71.7% of the drivers killed and 73.3% of the passengers killed were unrestrained. Some 54.1% of the motorcycle operators and 100.0% of motorcycle passengers killed were not wearing a helmet.

Driver Age

Drivers in 2008 crashes with a contributing factor of Unsafe Speed accounted for 8.6% of the total 129,472 drivers involved in crashes.

Of the 10,867 drivers in Speed-Related non-fatal crashes, 38.1% were age 16-24, 20.8% were age 25-34 and 13.5% were age 35-44.

Of the 207 drivers in Speed-Related fatal crashes, 33.8% were age 16-24, 18.4% were age 25-34 and 14.5% were age 35-44.

Persons Killed in 2008 Crashes Speed-Related By Vehicle Type, Person Type, and Safety Equipment Use						
Driver Fatalities	Safety Equipment Use					% Not in Use
	Unknown	Not in Use	In Use	Helmet	Total	
Passenger Vehicle	7	40	26		73	54.8%
Pickup Truck	3	33	10		46	71.7%
Truck-Tractor/Trailer(s)	1	1	2		4	25.0%
Motorcycle	4	20		13	37	54.1%
ATV		5			5	100.0%
Other			1		1	0.0%
Not Stated			1		1	0.0%
Totals	15	99	40	13	167	
Passenger Fatalities	Safety Equipment Use					% Not in Use
	Unknown	Not in Use	In Use	Helmet	Total	
Passenger Vehicle		28	9		37	75.8%
Pickup Truck		11	4		15	73.3%
Truck-Tractor/Trailer(s)		1			1	100.0%
Motorcycle		2			2	100.0%
Totals		42	13		55	

Drivers in Speed-Related Crashes In 2008 Driver Contributing Factor Unsafe Speed				
Driver Age	Non-Fatal Crashes		Fatal Crashes	
	Number of Drivers	% of Total Drivers	Number of Drivers	% of Total Drivers
Unknown	674	6.2%	1	0.5%
Under 15	84	0.8%	5	2.4%
16 - 24	4,141	38.1%	70	33.8%
25 - 34	2,257	20.8%	38	18.4%
35 - 44	1,468	13.5%	30	14.5%
45 - 54	1,169	10.8%	23	11.1%
55 - 64	658	6.1%	18	8.7%
65 - 74	246	2.3%	13	6.3%
75+	170	1.6%	9	4.3%
Totals	10,867		207	

Driver Sex

Of the 10,867 drivers in non-fatal crashes driving at an Unsafe Speed, 59.8% were male. Of the 207 drivers in fatal crashes driving at an Unsafe Speed, 78.3% were male. There were three times as many male as female drivers with a contributing factor of Unsafe Speed in fatal crashes.

Driver Contributing Factor Unsafe Speed In 2008 Crashes						
Sex	Drivers				Total Drivers	% of Total Drivers
	Non-Fatal Crashes	% of Total	Fatal Crashes	% of Total		
Female	3,889	35.8%	45	21.7%	3,934	35.5%
Male	6,499	59.8%	162	78.3%	6,661	60.1%
Not Stated	479	4.4%			479	4.3%
Total	10,867		207		11,074	

Driver Contributing Factor

In 2008, 17,068 drivers were involved in Speed-Related crashes. The contributing factor for 11,074 of these drivers was Unsafe Speed, an aggregate of 14 individual contributing factors. The table at the right shows these individual contributing factors.

In 2008 non-fatal crashes, 28.0% of the drivers were traveling at an unsafe speed for traffic conditions, 18.1% were traveling at an unsafe speed on wet roadways and 13.6% were traveling at an unsafe speed on icy or snowy roadways.

In 2008 fatal crashes, 27.1% of the drivers were exceeding the speed limit, 25.1% were traveling at an unsafe speed on a curve or turn and 10.1% were traveling at an unsafe speed for the type of roadway.

Contributing Factors In Speed-Related Crashes				
Driver Contributing Factor	Drivers in Non-Fatal Crashes		Drivers in Fatal Crashes	
	Number	% of Total	Number	% of Total
Unsafe Speed - Driver's Ability (Age)	124	1.1%	3	1.4%
Unsafe Speed - Inexperienced Driver (Young)	356	3.3%	5	2.4%
Unsafe Speed - Exceeding Legal Limit	1022	9.4%	56	27.1%
Unsafe Speed - For Traffic Conditions	3041	28.0%	16	7.7%
Unsafe Speed - For Type of Roadway	670	6.2%	21	10.1%
Unsafe Speed - For Ice or Snow on Roadway	1481	13.6%	16	7.7%
Unsafe Speed - Rain or Wet Roadway	1968	18.1%	20	9.7%
Unsafe Speed - Wind	62	0.6%		
Unsafe Speed - Other Weather Conditions	124	1.1%	4	1.9%
Unsafe Speed - Vehicle Condition	89	0.8%		
Unsafe Speed - View Obstruction	101	0.9%	1	0.5%
Unsafe Speed - On Curve/Turn	1128	10.4%	52	25.1%
Unsafe Speed - Impeding Traffic	154	1.4%	1	0.5%
Unsafe Speed - Other	547	5.0%	12	5.8%
Total	10,867		207	

Alcohol-Related (Drivers)

Of the 11,074 Unsafe Speed drivers, 4.8% (533) were also drinking. Of the 461 drivers in non-fatal crashes, 35.4% were age 16-24, 29.1% were age 25-34 and 17.1% were age 35-44. Of the 72 drivers in fatal crashes, 31.9% were age 16-24, 23.6% were age 25-34 and 18.1% were age 45-54.

Drivers in Speed-Related Crashes in 2008 Driver Contributing Factor Unsafe Speed Alcohol-Related				
Driver Age	Non-Fatal Crashes		Fatal Crashes	
	Number of Drivers	% of Total Drivers	Number of Drivers	% of Total Drivers
Unknown	7	1.5%		
Under 15	6	1.3%		
16 - 24	163	35.4%	23	31.9%
25 - 34	134	29.1%	17	23.6%
35 - 44	79	17.1%	12	16.7%
45 - 54	58	12.6%	13	18.1%
55 - 64	10	2.2%	6	8.3%
65 - 74	2	0.4%	1	1.4%
75+	2	0.4%		
Totals	461		72	

Alcohol-Related Fatalities & Injuries

In 2008, there were 343 Speed-Related crashes that also involved alcohol. Of these 343 crashes, 74 were fatal and 269 were injury crashes. There were 82 persons killed and 392 persons injured.

The 74 alcohol-related fatalities accounted for 33.2% of the total 223 Speed-Related fatalities.

Fatalities in Speed-Related Crashes in 2008 Alcohol Involved By Person Age & Person Type				
Age	Driver	Passenger	Pedestrian	Total
16-24	22	5		27
25-34	17	4		21
35-44	10	1		11
45-54	13	2		15
55-64	6		1	7
65-74	1			1
Total	69	12	1	82

- In 2008, Speed-Related crashes involving a fatality occurred twice as often in rural areas.
- In 2008, 69.6% of the fatal Speed-Related crashes involved one vehicle.
- In 2008, 65.5% of the passenger vehicle/pickup truck occupant fatalities in Speed-Related crashes were unrestrained.
- 4.8% of the drivers driving at an unsafe speed were also drinking.
- 82 fatalities occurred in crashes involving a drinking driver with a contributing factor of unsafe speed.

Fatality/Injury Rates in Speed-Related Crashes (2008)

County	Population	Vehicle Miles Traveled	Fatalities & Injuries	Rate per 10,000 Population	Rate Per 100 Million VMT	County	Population	Vehicle Miles Traveled	Fatalities & Injuries	Rate per 10,000 Population	Rate Per 100 Million VMT
Adair	21,811	152,803,600	47	21.55	30.76	Logan	38,102	423,732,150	52	13.65	12.27
Alfalfa	5,637	65,765,700	9	15.97	13.68	Love	9,155	305,388,200	31	33.86	10.15
Atoka	14,655	365,339,450	56	38.21	15.33	Major	7,112	157,829,650	19	26.72	12.04
Beaver	5,248	158,260,350	24	45.73	15.16	Marshall	14,919	147,587,750	27	18.10	18.29
Beckham	21,136	408,854,750	45	21.29	11.01	Mayes	39,912	649,535,750	114	28.56	17.55
Blaine	12,659	122,497,650	40	31.60	32.65	McClain	32,365	721,389,650	111	34.30	15.39
Bryan	40,109	544,696,800	104	25.93	19.09	McCurtain	33,532	432,477,550	80	23.86	18.50
Caddo	29,024	419,224,400	63	21.71	15.03	McIntosh	19,698	446,610,350	25	12.69	5.60
Canadian	106,079	1,470,402,500	115	10.84	7.82	Murray	12,784	222,701,100	49	38.33	22.00
Carter	47,979	679,929,300	75	15.63	11.03	Muskogee	71,278	898,666,500	69	9.68	7.68
Cherokee	45,733	396,729,450	90	19.68	22.69	Noble	11,169	357,061,250	39	34.92	10.92
Choctaw	14,890	205,582,600	17	11.42	8.27	Nowata	10,729	115,223,200	19	17.71	16.49
Cimarron	2,556	78,332,650	10	39.12	12.77	Okfuskee	11,172	202,567,700	21	18.80	10.37
Cleveland	239,760	2,347,972,000	201	8.38	8.56	Oklahoma	706,617	9,630,703,850	1,057	14.96	10.98
Coal	5,721	90,155,000	15	26.22	16.64	Oklmulgee	39,219	478,372,650	46	11.73	9.62
Comanche	111,772	1,071,260,400	108	9.66	10.08	Osage	45,489	371,011,550	73	16.05	19.68
Cotton	6,191	131,199,250	32	51.69	24.39	Ottawa	31,849	566,173,400	62	19.47	10.95
Craig	15,132	323,612,650	42	27.76	12.98	Pawnee	16,307	229,953,650	33	20.24	14.35
Creek	69,822	963,738,700	112	16.04	11.62	Payne	78,280	695,350,550	68	8.69	9.78
Custer	26,412	423,031,350	59	22.34	13.95	Pittsburg	45,115	713,764,800	135	29.92	18.91
Delaware	40,425	379,636,500	117	28.94	30.82	Pontotoc	36,999	419,209,800	62	16.76	14.79
Dewey	4,389	109,255,450	15	34.18	13.73	Pottawatomie	69,616	797,265,850	117	16.81	14.68
Ellis	3,971	86,380,900	6	15.11	6.95	Pushmataha	11,710	163,030,900	36	30.74	22.08
Garfield	58,167	561,968,600	78	13.41	13.88	Roger Mills	3,404	71,383,050	13	38.19	18.21
Garvin	27,247	535,973,300	54	19.82	10.08	Rogers	84,300	1,037,096,400	217	25.74	20.92
Grady	51,066	627,489,750	96	18.80	15.30	Seminole	24,200	372,592,000	48	19.83	12.88
Grant	4,450	77,777,850	6	13.48	7.71	Sequoyah	41,034	582,711,550	89	21.69	15.27
Greer	5,713	59,151,900	10	17.50	16.91	Stephens	43,498	403,208,200	67	0.18	0.14
Harmon	2,843	30,273,100	2	7.03	6.61	Texas	20,283	290,448,750	25	5.75	6.20
Harper	3,290	77,558,850	7	21.28	9.03	Tillman	7,899	92,702,700	18	8.87	6.20
Haskell	12,152	132,721,300	21	17.28	15.82	Tulsa	591,982	7,297,715,100	2,099	2657.30	2264.23
Hughes	13,625	164,290,150	26	19.08	15.83	Wagoner	68,960	721,645,150	78	1.32	1.07
Jackson	25,236	257,200,900	26	10.30	10.11	Washington	50,452	434,693,100	62	8.99	8.59
Jefferson	6,219	77,139,100	21	33.77	27.22	Washita	11,709	238,060,300	31	6.14	7.13
Johnston	10,286	122,424,650	28	27.22	22.87	Woods	8,422	93,385,250	6	5.12	2.52
Kay	45,632	571,911,200	66	14.46	11.54	Woodward	19,838	266,450,000	38	45.12	40.69
Kingfisher	14,300	180,733,400	34	23.78	18.81	Statewide	3,642,361	46,900,098,300	7,202	3630.41	2702.95
Kiowa	9,399	132,761,450	12	12.77	9.04						
Latimer	10,561	128,297,500	37	35.03	28.84						
LeFlore	49,802	580,627,400	64	12.85	11.02						
Lincoln	32,153	539,437,150	76	23.64	14.09						

Population Source: Oklahoma Department of Commerce
 Vehicle Miles Traveled Source: Oklahoma Department of Transportation