

Vehicle Rollovers in Traffic Crashes (2007)

Fact Sheet

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Rollover Vehicles

A change in data collection on the 2007 *Official Oklahoma Traffic Collision Report* now allows the investigating officer to indicate whether or not each vehicle involved in a crash rolled. In 2007 there were 4,432 vehicles that rolled in traffic crashes. There were 232 fatalities (160 drivers and 72 passengers) and 3,894 persons injured in vehicles that rolled.

Number of Vehicles

Of the 4,385 crashes involving a vehicle that rolled, 83.8% involved only one vehicle, 14.6% involved two vehicles and 1.6% involved three or more vehicles.

Driver Contributing Factors

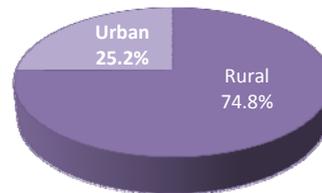
Of the 4,432 vehicles that rolled, 42.0% were attributed to Unsafe Speed, 12.8% were Driver Inattention, 10.7% were Other Improper Act/Movement and 10.2% were DUI-Alcohol. The table below denotes the various categories for the primary Contributing Factor of Unsafe Speed.

Unsafe Speed Contributing Factor For Drivers in Rolled Vehicles		
Unsafe Speed	Drivers	Percent of Total
Unsafe Speed - For Ice or Snow on Roadway	703	27.6
Unsafe Speed - Rain or Wet Roadway	369	14.5
Unsafe Speed - Exceeding Legal Limit	354	13.9
Unsafe Speed - For Type of Roadway	352	13.8
Unsafe Speed - On Curve/Turn	347	13.6
Unsafe Speed - Inexperienced Driver (Young)	127	5.0
Unsafe Speed - For Traffic Conditions	113	4.4
Unsafe Speed - Other	98	3.9
Unsafe Speed - Wind	27	1.1
Unsafe Speed - Vehicle Condition	19	.7
Unsafe Speed - Driver's Ability (Age)	18	.7
Unsafe Speed - Other Weather Conditions	14	.6
Unsafe Speed - View Obstruction	3	.1
Total	2544	100.0

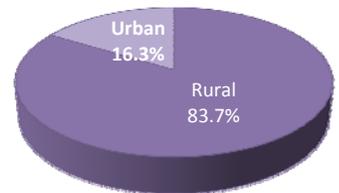
Rural vs. Urban

Crashes involving a rollover vehicle occurred mostly in rural areas. Some 74.8% of the crashes involving a vehicle that rolled occurred in rural areas; as did 83.7% of the fatal crashes involving a rolled vehicle.

Rollover Crashes
Rural vs. Urban

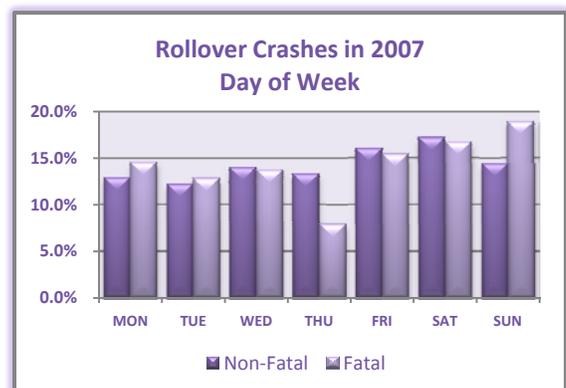
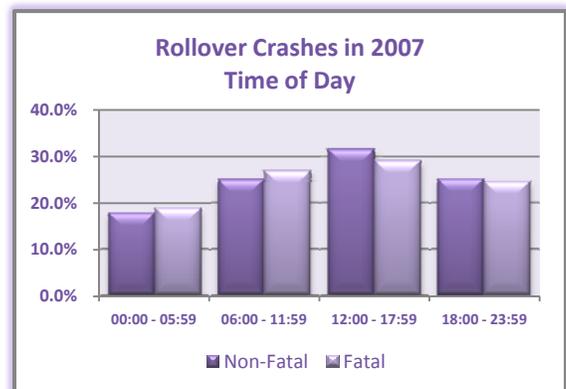


Fatal Rollover Crashes
Rural vs. Urban



Time & Day

Crashes involving a rolled vehicle occurred more often between 12:00 Noon and 17:59 p.m. whether it was a fatal or non-fatal crash. These type crashes also occurred more often during weekends than any other days of the week, whether or not a fatality was involved.



Drivers

In 2007 there were 4,432 drivers in vehicles that rolled in a crash. The table below shows the driver age and driver gender.

Drivers in Vehicles that Rolled (2007) Driver Age & Driver Gender				
Driver Age	Unknown	Female	Male	Total
Unknown	96	5	9	110
Under 16		12	16	28
16 - 20		416	600	1016
21 - 25		216	513	729
26 - 30		153	355	508
31 - 35		145	261	406
36 - 40		136	228	364
41 - 45		109	230	339
46 - 50		89	205	294
51 - 55		78	146	224
56 - 60		46	100	146
61 - 65		35	73	108
66 - 70		15	49	64
71 - 75		17	24	41
76 - 80		12	22	34
81+		6	15	21
Total	96	1490	2846	4432

In 2007, 16.5% (733 of 4,432) of the drivers in vehicles that rolled had an Alcohol-Related Driver Condition. The table below lists the driver age and gender of these drivers. Of the total drivers with an Alcohol-Related Driver Condition, 79.4% (582 of 733) were male.

Some 55.1% (404 of 733) of the total drivers with an Alcohol-Related Driver Condition were under the age of 31; 57.7% (336 of 582) of the male drivers were under the age of 31.

Drivers in Rolled Vehicles (2007 Crashes) Alcohol-Related Driver Condition Driver Age & Gender				
Driver Age	Unknown	Female	Male	Total
Unknown	2		2	4
Under 16			2	2
16 - 20		21	93	114
21 - 25		34	142	176
26 - 30		13	101	114
31 - 35		22	55	77
36 - 40		20	59	79
41 - 45		19	44	63
46 - 50		9	31	40
51 - 55		5	28	33
56 - 60		3	12	15
61 - 65		3	10	13
66+			3	3
Total	2	149	582	733

Safety Equipment Use Among Fatalities

In 2007, of the 4,432 drivers in vehicles that rolled, 85.2% (3,777 of 4,432) were in a passenger vehicle/pickup truck. Of the 3,777 drivers in passenger vehicles/pickup trucks, 141 were killed. Of the 141 drivers killed, 73.8% (104 of 141) were not using safety equipment.

Of the 1,470 passengers in vehicles that rolled, 89.1% (1,310 of 1,470) were in a passenger vehicle/pickup truck. Of the 1,310 passengers in passenger vehicles/pickup trucks, 61 were killed. Of the 61 passengers killed, 78.7% (48 of 61) were not using safety equipment.

Safety Equipment Use Among Fatalities In Rolled Vehicles in 2007 Crashes					
Person Type	Vehicle Type	Safety Equipment			Total
		Unknown	Not In Use	In Use	
Driver	Pass Veh/Pickup	3	104	34	141
	Other Vehicle	4	9	6	19
	Total	7	113	40	160
Passenger	Pass Veh/Pickup	4	48	9	61
	Other Vehicle	2	8	1	11
	Total	6	56	10	72
Drivers & Passengers	Pass Veh/Pickup	7	152	43	202
	Other Vehicle	6	17	7	30
	Total	13	169	50	232

Drivers Ejected

In 2007, of the 292 drivers ejected from a vehicle that rolled, 93.8% (274 of 292) were killed or severely injured. Of the 274 ejected, 85.6% were not using restraints and restraint use was unknown for 4.0% of the drivers eject from a vehicle that rolled.

Drivers Ejected from Rolled Vehicles in 2007 Crashes Safety Equipment Use					
Injury Severity	Ejected	Safety Equipment			Total
		Unknown	Not In Use	In Use	
Fatality	Partially	1	16	13	20
	Totally	2	68	3	73
	Totals	3	84	6	93
Injury	Partially	4	15	9	28
	Totally	7	140	6	153
	Totals	11	155	15	181
Injury includes incapacitating and non-incapacitating injuries.					