

Child Passengers, Infant to Age 12, in Crashes (2016)

Occupant of Passenger Vehicle or Pickup Truck

Oklahoma
Department of Public Safety
Highway Safety Office

3223 N. Lincoln Blvd.
Oklahoma City, OK 73105

Phone: 405.523.1570
Fax: 405.523.1586

www.ohso.ok.gov

Involvement

In 2016, 9,034 child passengers, infant to age 12, were occupants of passenger vehicles or pickup trucks in traffic crashes. Of these 9,034 child passengers, 22 were killed and 574 were seriously injured*.

Of the 22 fatalities, 12 were from infant to age five and 10 were children age 6-12. Of the 574 seriously injured, 198 were from infant to age five and 376 were children age 6-12.

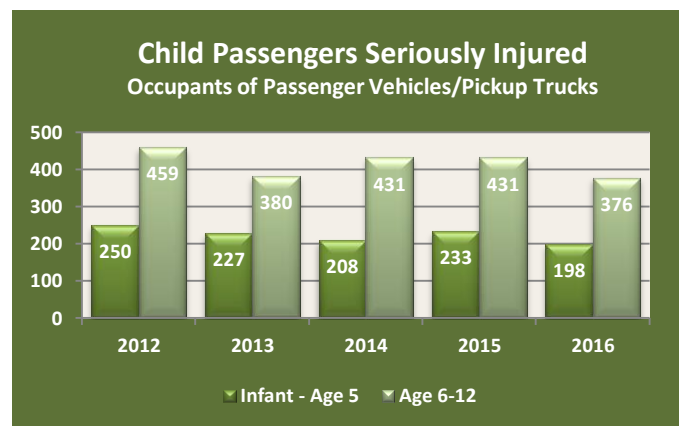
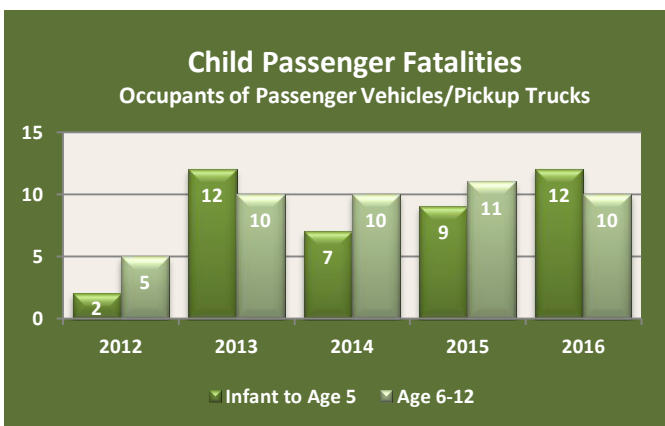
Fatality Trend

Child passenger fatalities in 2016 increased from a total of 20 in 2015 to a total of 22 in 2016. The year 2012 had the lowest number of fatalities during the 5-year period from 2011 to 2015 with a total of seven. The remaining years were significantly higher, and 2016 continues this higher trend.

Serious Injury Trend

Serious injury of child passengers infant to age 5 shows a downward trend from 2010-2014. While 2015 saw an increase in these numbers, 2016 had the lowest number of serious injuries among children in this age group in the past five years.

Serious injury of child passengers age 6-12 decreased from 2011 to 2013, but increased in 2014, and remained steady in 2015. However, 2016 saw a reduction in the number of serious injuries among children age 6-12, and was the lowest in the past five years.



*Note: Serious injury includes incapacitating and non-incapacitating injuries.

Restraint Use by Child Fatalities

Of the 22 child passenger fatalities, three were not in any type of restraint system. This is down from eight unrestrained children killed in 2015. The table below shows the restraint use by the age of the child in 2016.

Child Passenger Fatalities Infant to Age 12 (2016) Occupants of Passenger Vehicles or Pickup Trucks Child Age & Restraint Use								
Child Age	Child Restraint Type							Total
	None Used	Lap Belt Only	Shoulder and Lap Belt	Child Restraint Forward Facing	Child Restraint Rear Facing	Booster Seat	Unknown	
1				2	1	1		4
2				1				1
3				2			2	4
4	1							1
5	1	1						2
6							1	1
7				1			2	3
8								0
9							1	1
10			1					1
11	1							1
12			1				2	3
Total	3	1	2	6	1	1	8	22

Vehicle Type

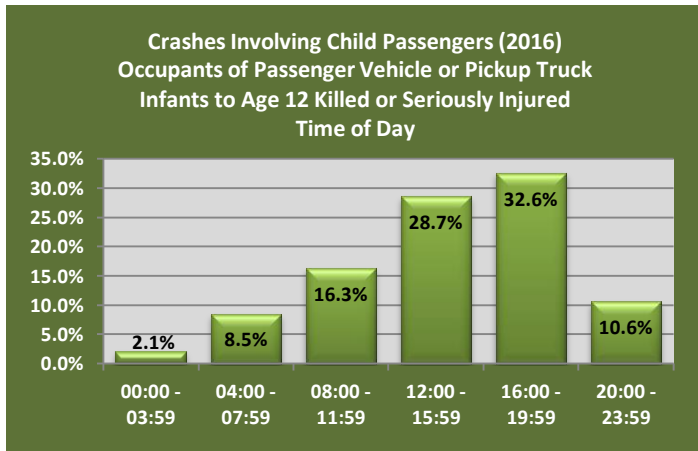
Of the 596 child passengers killed or seriously injured, 42.8 % were occupants of a passenger vehicle-4 door, 31.0% were occupants of an SUV and 15.1% were occupants of pickup trucks.

Child Passengers Infant to Age 12 in Crashes (2016) Occupants of Passenger Vehicles or Pickup Trucks			
Vehicle Type	Child Injury Severity		Total
	Fatal Injury	Serious Injury	
Passenger Vehicle-2 Door		17	17
Passenger Vehicle-4 Door	6	249	255
Passenger Vehicle-Convertible		2	2
Pickup Truck	4	86	90
Sport Utility Vehicle (SUV)	6	179	185
Passenger Van	6	33	39
Van-10,000 lbs. or less		8	8
Total	22	574	596

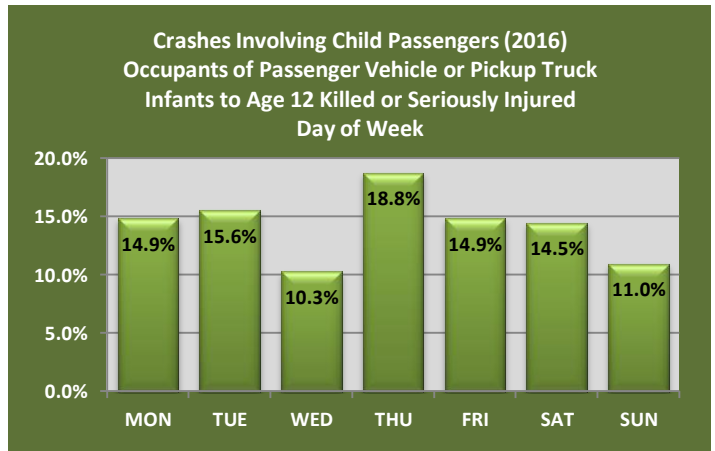
Serious injury includes incapacitating and non-incapacitating injuries.

Time & Day

The two charts below contain data from the 466 crashes involving child passengers, infant to age 12, killed or seriously injured in 2016. These crashes were at their highest between Noon (12:00) and 7:59 p.m. (19:59) with 60.8% of the total 466 crashes. More child passengers were killed or seriously injured in crashes on Thursday, followed by Tuesday, then Monday and Friday.



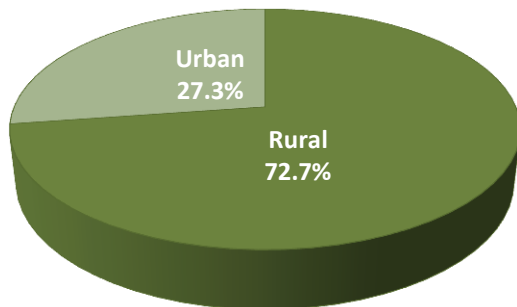
Does not include crashes of unknown time.



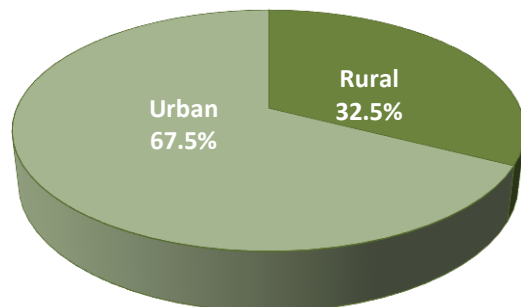
Rural vs. Urban

In 2016, 72.7% of crashes involving a child passenger fatality occurred in rural areas, while 67.5% of crashes involving a child seriously injured occurred in urban areas.

Crashes with Child Passenger Fatalities
(2016)
Infant to Age 12
Passenger Vehicle/Pickup Truck Occupants



Crashes with Child Passengers Seriously Injured
(2016)
Infant to Age 12
Passenger Vehicle/Pickup Truck Occupants



Driver Age & Sex

In 2016, 469 drivers involved in crashes had a passenger, infant to age 12 that was killed or seriously injured. Of these drivers, 40.9% were age 26-35, 23.5% were age 36-45, and 18.3% were age 16-25. Of these 469 drivers, 68.4% were female.

Drivers in Crashes (2016) With Child Passenger Killed or Seriously Injured Infant to Age 12 Occupants of Passenger Vehicle or Pickup Truck				
Driver Age	Female	Male	Total	% of Total
Under 16		1	1	0.2%
16 - 25	62	24	86	18.3%
26 - 35	135	57	192	40.9%
36 - 45	71	39	110	23.5%
46 - 55	27	17	44	9.4%
56 - 65	20	6	26	5.5%
66 - 75	5	3	8	1.7%
76+	1	1	2	0.4%
Total	321	148	469	100.0%

Serious injury includes incapacitating and non-incapacitating injuries.

Alcohol-Related Driver Condition

Of the drivers with a child passenger, infant to age 12, killed or seriously injured, 2.3% (11 of 469) had an alcohol-related driver condition. The table below shows the age and sex of these drivers.

Drivers in Crashes (2016) With Child Passengers Killed or Seriously Injured Infant to Age 12 Occupants of Passenger Vehicles or Pickup Trucks Alcohol-Related Driver Condition				
Driver Age	Female	Male	Total	% of Total
Not Stated				
Under 16				
16 - 25	3		3	27.3%
26 - 35	2	3	5	45.5%
36 - 45	1	1	2	18.2%
46 - 55		1	1	9.1%
56 - 65				
66 - 75				
76+				
Total	6	5	11	100.0%

Serious injury includes incapacitating and non-incapacitating injuries.

Driver Contributing Factor

The top three contributing factors by drivers with child passengers, infant to age 12, that were killed or seriously injured were: Failure to Yield (10.2%), Inattention (10.0%) and Unsafe Speed (8.1%). A closer look at the primary driver contributing factor of unsafe speed shows that 28.9% were driving at an unsafe speed for wet roadway, 15.8% were driving at an unsafe speed for the type of roadway and another 13.2% were driving at an unsafe speed on a curve or turn.

Drivers in Crashes (2016) With Child Passengers Killed or Seriously Injured Children Infant to Age 12 Occupants of Passenger Vehicles or Pickup Trucks Driver Contributing Factors		
Contributing Factor	Drivers	% of Total
Changed Lanes Unsafely		0.0%
Failed To Stop	18	3.8%
Failed To Yield	48	10.2%
Followed Too Closely	16	3.4%
Improper Overtaking	1	0.2%
Improper Parking		0.0%
Improper Start		0.0%
Improper Turn	19	4.1%
Inattention	47	10.0%
Left of Center	9	1.9%
Unknown/No Improper Action	4	0.9%
No Improper Action by Driver	216	46.1%
Other Improper Act/Movement	28	6.0%
Stopped in Traffic Lane	1	0.2%
Unsafe Speed	38	8.1%
Unsafe Vehicle	7	1.5%
Wrong Way	1	0.2%
Alcohol DUI/DWI	7	1.5%
Drugs DUI	9	1.9%
Not Stated		0.0%
Total	469	100.0%

Serious injury includes incapacitating and non-incapacitating injuries.

Drivers in Crashes (2016) With Child Passengers Killed or Seriously Injured Children Infant to Age 12 Occupants of Passenger Vehicles or Pickup Trucks Unsafe Speed Contributing Factor		
Unsafe Speed Contributing Factor	Drivers	% of Total
Unsafe Speed - Driver's Ability (Age)	1	2.6%
Unsafe Speed - Inexperienced Driver (Young)	2	5.3%
Unsafe Speed - Exceeding Legal Limit	3	7.9%
Unsafe Speed - For Traffic Conditions	4	10.5%
Unsafe Speed - For Type of Roadway	6	15.8%
Unsafe Speed - For Ice or Snow on Roadway	2	5.3%
Unsafe Speed - Rain or Wet Roadway	11	28.9%
Unsafe Speed - Wind		0.0%
Unsafe Speed - Other Weather Conditions		0.0%
Unsafe Speed - Vehicle Condition		0.0%
Unsafe Speed - On Curve/Turn	5	13.2%
Unsafe Speed - Impeding Traffic		0.0%
Unsafe Speed - Other	4	10.5%
Total	38	100.0%

Serious injury includes incapacitating and non-incapacitating injuries.