



# Pedalcyclists in 2009 Crashes

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## Oklahoma Highway Safety Facts

Pedalcyclist Fatalities Five Year Trend					
	2005	2006	2007	2008	2009
Pedalcyclist Fatalities	7	5	3	4	11
Total Fatalities	800	765	770	751	737
Pedalcyclist Fatalities as Percentage of Total Fatalities	0.88%	0.65%	0.39%	0.53%	1.5%

### Definition

Pedalcyclists are defined as bicyclists and other cyclist riders of two-wheeled non-motorized vehicles, tricycles or unicycles powered solely by pedals.

### Involvement

In 2009, 305 pedalcyclists were involved in Oklahoma traffic crashes – a 14.6% decrease from the 357 pedalcyclists in 2008.

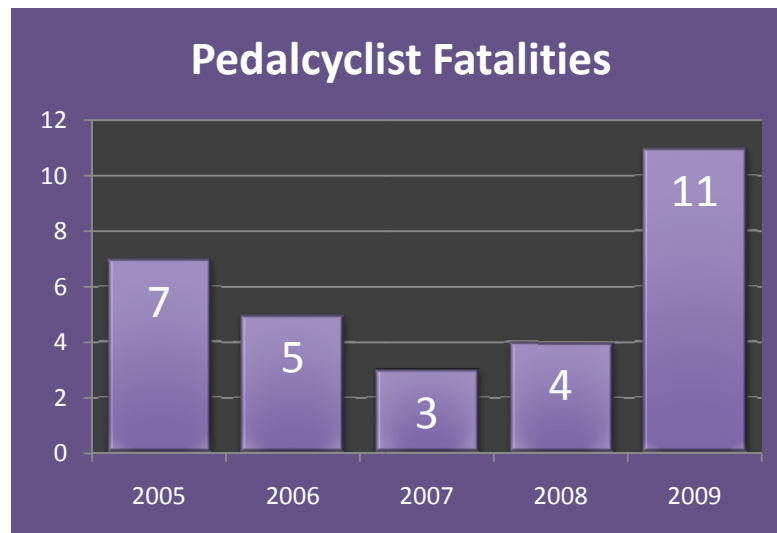
There were 11 pedalcyclist fatalities in 2009 – a 175.0% increase from the four fatalities in 2008.

There were 258 pedalcyclists injured in 2009 – a 15.4% decrease from the 305 pedalcyclists injured in 2008.

The 11 pedalcyclist fatalities in 2009 accounted for 1.5% of the total 737 traffic fatalities in 2009.

### Pedalcyclist Fatalities

Eight of the 11 pedalcyclist fatalities in 2009 crashes were male. Pedestrian fatality age ranged from nine to 74.



### Number of Vehicles

Nearly all the crashes involving a pedalcyclist, whether fatal or injury, involved the pedalcyclist and one vehicle.

Pedalcyclists Killed or Injured (2009) Number of Vehicles Involved & Pedalcyclist Injury Severity			
Number of Vehicles	Injury Severity		Total
	Fatal	Injury	
1 Vehicle	11	257	268
2 Vehicles		1	1
<b>Total</b>	<b>11</b>	<b>258</b>	<b>269</b>

**Injury includes incapacitating, non-incapacitating and possible.**

### Locality

Some 36.4% of the pedalcyclist fatalities occurred in areas not built-up and 44.2% of the pedalcyclist injuries occurred in residential areas.

Pedalcyclists Killed or Injured (2009) Locality & Pedalcyclist Injury Severity			
Locality	Injury Severity		Total
	Fatal	Injury	
Residential	2	114	116
Business	3	106	109
Industrial	1	2	3
School		6	6
Not Built-up	4	12	16
Mixed Use	1	18	19
Other			
<b>Total</b>	<b>11</b>	<b>258</b>	<b>269</b>

**Injury includes incapacitating, non-incapacitating and possible.**

### Highway Class

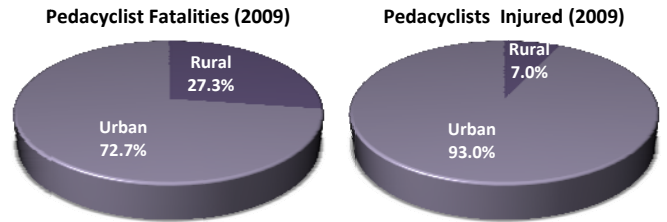
Some 54.5% of the pedalcyclist fatalities and 82.9% of the pedalcyclist injuries occurred on city streets.

Pedalcyclists Killed or Injured (2009) Highway Class & Pedalcyclist Injury Severity			
Highway Class	Injury Severity		Total
	Fatal	Injury	
Rural US Highway		1	1
Interstate Highway	1	5	6
Rural State Highway	3	3	6
County Road		5	5
City Street	6	214	220
Urban US Highway	1	17	18
Urban State Highway		13	13
<b>Total</b>	<b>11</b>	<b>258</b>	<b>269</b>

**Injury includes incapacitating, non-incapacitating and possible.**

### Rural vs. Urban

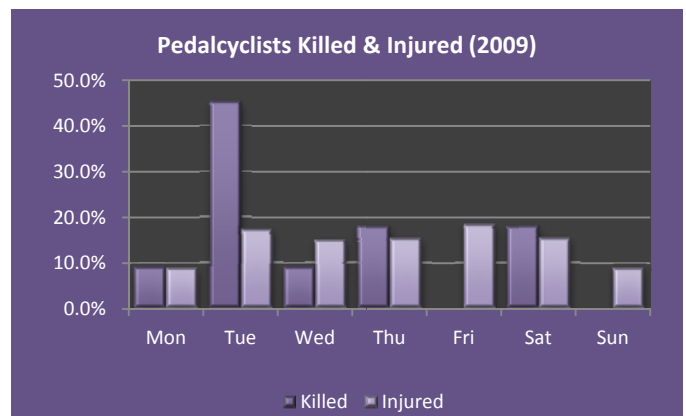
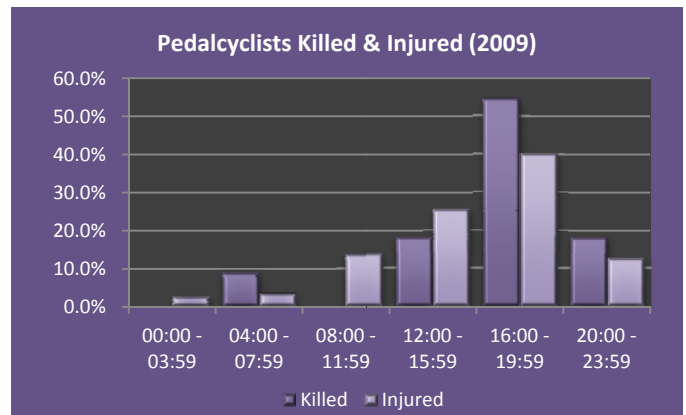
In 2009, 72.7% of pedalcyclists who were killed died in crashes that occurred in urban areas. Of the pedalcyclists injured, 93.0% were injured in crashes that occurred in urban areas.



### Time & Day

Fifty-four percent of the pedalcyclist fatalities and injuries occurred between 4:00 p.m. (16:00) and 7:59 p.m. (19:59).

Some 45.5% of the pedalcyclists were killed on Tuesday. Some 18.6% of the pedalcyclists were injured on Friday and 17.4% were injured on Tuesday.



## Alcohol-Related

Alcohol involvement – either for the driver or the pedalcyclist – was reported in 6.4% of the crashes in 2009. Of the pedalcyclists involved, 6.6% were reported as drinking and 6.0% of the drivers were reported as drinking.

## Pedalcyclist Action

Pedalcyclist action indicates what the pedalcyclist was doing just prior to involvement in a collision. Some 63.6% of the pedalcyclists killed were riding with traffic. Of the pedalcyclists injured, 24.8% had an unknown pedalcyclist action, 20.5% were crossing at an intersection and 16.7% were riding with traffic.

Pedalcyclists in 2009 Crashes Pedalcyclist Injury Severity & Pedalcyclist Action					
Pedalcyclist Action Prior To Crash	Pedalcyclist Injury Severity				
	Fatal	Injury	None	Unknown	Total
Crossing at Intersection	1	53	7	1	62
Crossing Not at Intersection		9	4	2	15
Crossing at Other Crosswalk		10	1		11
Getting on Vehicle					
Getting Off Vehicle		1			1
Walking/Riding with Traffic	7	43	2		52
Walking/Riding Against Traffic		10		2	12
Pushing on Vehicle					
Playing/Working on Vehicle		1	1		2
Playing		9			9
Other Working					
Entering/Crossing Specified Location		3			3
Entering/Crossing from Behind School Bus					
Entering/Crossing from Behind Other Vehicle		4	1		5
Walking/Riding after Leaving/Returning to Disabled Vehicle with Traffic					
Walking/Riding after Leaving/Returning to Disabled Vehicle Against Traffic					
Approaching/Leaving School Bus					
Approaching/Leaving Other Vehicle					
Standing		2			2
Lying, not in Roadway					
Sitting in Vehicle Not in Transport					
Improper Crossing		7	1		8
Darting		5			5
In Roadway (Standing, on Knees, Lying, Etc.)					
Failure to Yield Right of Way	1	10			11
Not Visible (Dark Clothing)		1			1
Inattentive (Talking, Eating, Etc.)		1			1
Failure to Obey Traffic Signs, Signals, or Officer		9	2	2	13
Wrong Side of Road		11	1		12
Other	1	5			6
Not Stated					
Unknown	1	64	3	6	74
<b>Total</b>	<b>11</b>	<b>258</b>	<b>23</b>	<b>13</b>	<b>305</b>

## Pedalcyclists by Age

Some 18.2% of the pedalcyclist fatalities were age 31-35 and another 18.2% were age 71-75. Of the 294 pedalcyclists injured, 19.4% were age 11-15, 15.6% were age 6-10 and 12.9% were age 16-20.

Pedalcyclist Fatalities (2009) By Age Group & Sex				
Pedestrian Age	Pedalcyclist Sex			% of Total
	Female	Male	Total	
Unknown				
1 - 5				
6 - 10	1		1	9.1%
11 - 15				
16 - 20				
21 - 25				
26 - 30		1	1	9.1%
31 - 35	1	1	2	18.2%
36 - 40		1	1	9.1%
41 - 45				
46 - 50		1	1	9.1%
51 - 55		1	1	9.1%
56 - 60		1	1	9.1%
61 - 65		1	1	9.1%
66 - 70				
71 - 75	1	1	2	18.2%
76 - 80				
81 - 85				
86+				
<b>Total</b>	<b>3</b>	<b>8</b>	<b>11</b>	<b>100.0%</b>

Pedalcyclists Injured (2009) By Age Group & Sex					
Pedestrian Age	Pedalcyclist Sex				% of Total
	Unknown	Female	Male	Total	
Unknown	4		1	5	1.7%
1 - 5		1	9	10	3.4%
6 - 10		11	35	46	15.6%
11 - 15		6	51	57	19.4%
16 - 20		7	31	38	12.9%
21 - 25	1	10	18	29	9.9%
26 - 30		4	12	16	5.4%
31 - 35		3	12	15	5.1%
36 - 40		5	13	18	6.1%
41 - 45		6	6	12	4.1%
46 - 50		1	17	18	6.1%
51 - 55		2	11	13	4.4%
56 - 60			7	7	2.4%
61 - 65		1	6	7	2.4%
66 - 70			3	3	1.0%
71 - 75					
76 - 80					
81 - 85					
86+					
<b>Total</b>	<b>5</b>	<b>57</b>	<b>232</b>	<b>294</b>	<b>100.0%</b>

Injury includes incapacitating, non-incapacitating and possible.

Pedalcyclist Fatalities (2009)									
Fatality Rate Per 100,000 Population by Age & Sex									
Person Age	Female			Male			Total		
	Killed	Population	Fatality Rate	Killed	Population	Fatality Rate	Killed	Population	Fatality Rate
Under 1		26,786			27,891			54,677	
1 - 5		131,420			137,324			268,744	
6 - 10	1	122,407	0.82		129,326		1	251,733	0.40
11 - 15		117,115			124,351			241,466	
16 - 20		126,601			136,438			263,039	
21 - 25		134,354			146,287			280,641	
26 - 30		130,966		1	138,475	7.22	1	269,441	0.37
31 - 35	1	109,993	0.91	1	114,210	8.76	2	224,203	0.89
36 - 40		114,216		1	115,897	8.63	1	230,113	0.43
41 - 45		114,890			113,950			228,840	
46 - 50		132,164		1	127,713	7.83	1	259,877	0.38
51 - 55		128,084		1	122,106	8.19	1	250,190	0.40
56 - 60		112,542		1	105,071	9.52	1	217,613	0.46
61 - 65		96,284		1	87,375	11.44	1	183,659	0.54
66+	1	267,254	0.37	1	195,560	5.11	2	462,814	0.43
<b>Total</b>	<b>3</b>	<b>1,865,076</b>	<b>0.16</b>	<b>8</b>	<b>1,821,974</b>	<b>4.39</b>	<b>11</b>	<b>3,687,050</b>	<b>0.30</b>

Pedalcyclists Injured (2009)									
Fatality Rate Per 100,000 Population by Age & Sex									
Person Age	Female			Male			Total		
	Injured	Population	Injury Rate	Injured	Population	Injury Rate	Injured	Population	Injury Rate
Under 1		26,786			27,891			54,677	
1 - 5	1	131,420	0.76	9	137,324	6.55	10	268,744	3.72
6 - 10	10	122,407	8.17	29	129,326	22.42	39	251,733	15.49
11 - 15	5	117,115	4.27	46	124,351	36.99	51	241,466	21.12
16 - 20	7	126,601	5.53	28	136,438	20.52	35	263,039	13.31
21 - 25	10	134,354	7.44	18	146,287	12.30	28	280,641	10.00
26 - 30	3	130,966	2.29	11	138,475	7.94	14	269,441	5.20
31 - 35	3	109,993	2.73	11	114,210	9.63	14	224,203	6.24
36 - 40	5	114,216	4.38	13	115,897	11.22	18	230,113	7.82
41 - 45	5	114,890	4.35	5	113,950	4.39	10	228,840	4.37
46 - 50	1	132,164	0.76	13	127,713	10.18	14	259,877	5.39
51 - 55	2	128,084	1.56	7	122,106	5.73	9	250,190	3.60
56 - 60		112,542		6	105,071	5.71	6	217,613	2.76
61 - 65	1	96,284	1.04	6	87,375	6.87	7	183,659	3.81
66+		267,254		2	195,560	1.02	2	462,814	0.43
<b>Total</b>	<b>53</b>	<b>1,865,076</b>	<b>2.84</b>	<b>204</b>	<b>1,821,974</b>	<b>11.20</b>	<b>257</b>	<b>3,687,050</b>	<b>7.00</b>

Excludes one pedalcyclist with unknown sex.  
Injury includes incapacitating, non-incapacitating and possible.

**Pedalcyclist Fatalities & Injuries (2009)**  
**Fatality & Injury Rates by County**

County	Population	Fatalities				Injuries			
		Total Fatalities	Pedalcyclist Fatalities	Pedalcyclist as Percentage of County	Pedalcyclist Fatality Rate	Total Injuries	Pedalcyclist Injuries	Pedalcyclist as Percentage of County	Pedalcyclist Injury Rate
Adair	21,857	7				143			
Alfalfa	5,481	2				43			
Atoka	14,498	10				140			
Beaver	5,270	1				23			
Beckham	21,116	10				187	1	0.50%	4.74
Blaine	12,609	5				96	1	1.00%	7.93
Bryan	40,783	7				506	4	0.80%	9.81
Caddo	30,393	9				264			
Canadian	109,668	21				768	6	0.80%	5.47
Carter	48,326	9	1	11.10%	2.07	452			
Cherokee	46,029	9				461	1	0.20%	2.17
Choctaw	14,872	4				101			
Cimarron	2,630	1				28			
Cleveland	244,589	22				2113	37	1.80%	15.13
Coal	5,856	4				41			
Comanche	113,228	15				1392	9	0.60%	7.95
Cotton	6,281	2				62			
Craig	15,158	3				116	1	0.90%	6.60
Creek	70,244	20				496	4	0.80%	5.69
Custer	26,717	6				192	2	1.00%	7.49
Delaware	40,555	14				361			
Dewey	4,404	5				35			
Ellis	3,925					24			
Garfield	58,928	7	1	14.30%	1.70	516	2	0.40%	3.39
Garvin	27,113	6				229	1	0.40%	3.69
Grady	51,649	11				399	3	0.80%	5.81
Grant	4,317	1				27			
Greer	5,830	5				40			
Harmon	2,843					11			
Harper	3,377	4				19			
Haskell	12,393	3				74			
Hughes	13,819	7				77			
Jackson	25,369	6				180	3	1.70%	11.83
Jefferson	6,319	2				31			
Johnston	10,468	4				94			
Kay	46,110	19				366	1	0.30%	2.17
Kingfisher	14,384					140	2	1.40%	13.90
Kiowa	9,101	1				74			
Latimer	10,621	5				83			
LeFlore	49,915	19				372			
Lincoln	32,199	11				257			
Logan	39,301	9				199	1	0.50%	2.54
Love	9,124	3				78			

**Pedalcyclist Fatalities & Injuries (2009)**  
**Fatality & Injury Rates by County**

County	Population	Fatalities				Injuries			
		Total Fatalities	Pedalcyclist Fatalities	Pedalcyclist as Percentage of County	Pedalcyclist Fatality Rate	Total Injuries	Pedalcyclist Injuries	Pedalcyclist as Percentage of County	Pedalcyclist Injury Rate
McClain	33,168	2				334	2	0.60%	6.03
McCurtain	33,370	15				326			
McIntosh	19,801	9				123			
Major	7,189	4				77	1	1.30%	13.91
Marshall	15,014	5				127	2	1.60%	13.32
Mayes	40,065	7				361	2	0.60%	4.99
Murray	12,960	3				111			
Muskogee	71,412	11	1	9.10%	1.40	659	2	0.30%	2.80
Noble	10,950	7				160			
Nowata	10,528	5				80			
Okfuskee	10,924	6				109	1	0.90%	9.15
Oklahoma	716,704	72	2	2.80%	0.28	8753	71	0.80%	9.91
Okmulgee	39,292	17	1	5.90%	2.55	290	3	1.00%	7.64
Osage	45,051	18				276	1	0.40%	2.22
Ottawa	31,629	18				302	4	1.30%	12.65
Pawnee	16,419	5				123	1	0.80%	6.09
Payne	79,727	13				779	11	1.40%	13.80
Pittsburg	45,211	12				480			
Pontotoc	37,422	11				205			
Pottawatomie	70,274	15				706	4	0.60%	5.69
Pushmataha	11,812	6				106			
Roger Mills	3,407					24			
Rogers	85,654	15				712	3	0.40%	3.50
Seminole	24,296	18	1	5.60%	4.12	210			
Sequoyah	41,433	4				312			
Stephens	43,487	12	1	8.30%	2.30	371	4	1.10%	9.20
Texas	21,135	9				110	2	1.80%	9.46
Tillman	7,796	2				34			
Tulsa	601,961	75	3	4.00%	0.50	7678	59	0.80%	9.80
Wagoner	70,394	13				414	3	0.70%	4.26
Washington	50,706	6				410	3	0.70%	5.92
Washita	11,813	4				80			
Woods	8,418	3				65			
Woodward	19,959	6				133			
Statewide	3,687,050	737	11	1.50%	0.30	36350	258	0.70%	7.00

Fatality Rate = Fatalities per 100,000 population.

Injury Rate = Injuries per 100,000 population.

Injury includes incapacitating, non-incapacitating and possible.

**Pedalcyclist Fatalities & Injuries (2009)**  
**Fatality & Injury Rates by Cities 5,000+ Population**

County	Population	Fatalities				Injuries			
		Total Fatalities	Pedalcyclist Fatalities	Pedalcyclist as Percentage of County	Pedalcyclist Fatality Rate	Total Injuries	Pedalcyclist Injuries	Pedalcyclist as Percentage of County	Pedalcyclist Injury Rate
Ada	17,017	2				56			
Altus	19,000	1				106	2	1.90%	10.53
Anadarko	6,380	1				43			
Ardmore	24,850	3	1	33.30%	4.02	312			
Bartlesville	36,068	4				268	3	1.10%	8.32
Bethany	19,767					121	3	2.50%	15.18
Bixby	21,433	2				102	1	1.00%	4.67
Blackwell	7,203					4			
Blanchard	6,762	1				30	1	3.30%	14.79
Broken Arrow	94,996	4				755	3	0.40%	3.16
Catoosa	7,897	2				65			
Chickasha	17,192	1				178	2	1.10%	11.63
Choctaw	11,587					36			
Claremore	17,397					204	2	1.00%	11.50
Clinton	8,852	1				33	1	3.00%	11.30
Collinsville	5,204	1				42			
Coweta	8,975	1				52			
Cushing	9,596	3				33	1	3.00%	10.42
Del City	22,297	1				198	1	0.50%	4.48
Duncan	22,568	3	1	33.30%	4.43	208	4	1.90%	17.72
Durant	16,876					279	4	1.40%	23.70
Edmond	81,093	5	1	20.00%	1.23	680	1	0.10%	1.23
El Reno	16,999	6				104	3	2.90%	17.65
Elk City	11,517					59	1	1.70%	8.68
Enid	47,968	4	1	25.00%	2.08	408	2	0.50%	4.17
Glenpool	10,356	2				85	1	1.20%	9.66
Grove	6,376	2				77			
Guthrie	11,502	2				63	1	1.60%	8.69
Guymon	11,117	1				52	2	3.80%	17.99
Harrah	5,291	1				49			
Henryetta	6,004	1				7			
Holdenville	5,588					3			
Hugo	5,395					22			
Idabel	6,783	1				53			
Jenks	16,143	2				94			
Lawton	91,186	5				1134	9	0.80%	9.87
Lone Grove	5,358	1				20			
McAlester	18,413	4				245			
Miami	12,908	1				118	4	3.40%	30.99
Midwest City	57,193	3				601	3	0.50%	5.25
Moore	53,762	4				476	5	1.10%	9.30
Muskogee	39,991	4	1	25.00%	2.50	469	2	0.40%	5.00
Mustang	18,384					102			



**Pedalcyclist Fatalities & Injuries (2009)**  
**Fatality & Injury Rates by Cities 5,000+ Population**

County	Population	Fatalities				Injuries			
		Total Fatalities	Pedalcyclist Fatalities	Pedalcyclist as Percentage of County	Pedalcyclist Fatality Rate	Total Injuries	Pedalcyclist Injuries	Pedalcyclist as Percentage of County	Pedalcyclist Injury Rate
Newcastle	7,528	1				125			
Noble	5,914					42			
Norman	109,063	11				1185	32	2.70%	29.34
Oklahoma City	560,332	71	1	1.40%	0.18	7441	59	0.80%	10.53
Okmulgee	12,557	2	1	50.00%	7.96	100	2	2.00%	15.93
Owasso	28,865	1				163	1	0.60%	3.46
Pauls Valley	6,067					55	1	1.80%	16.48
Piedmont	5,753	1				19			
Ponca City	24,780	1				222	1	0.50%	4.04
Poteau	8,290	1				135			
Pryor	9,260	1				67	2	3.00%	21.60
Purcell	6,224					65	1	1.50%	16.07
Sallisaw	8,812	1				70			
Sand Springs	18,868	4				138	2	1.40%	10.60
Sapulpa	21,228	1				233	3	1.30%	14.13
Seminole	6,827	3				3			
Shawnee	30,533	1				395	3	0.80%	9.83
Skiatook	6,897	1				52			
Stillwater	46,157	1				450	10	2.20%	21.67
Tahlequah	16,665	2				144	1	0.70%	6.00
Tecumseh	6,721					45			
The Village	9,849					39	3	7.70%	30.46
Tulsa	389,625	52	1	1.90%	0.26	6045	49	0.80%	12.58
Tuttle	6,158					13	1	7.70%	16.24
Vinita	6,056					37	1	2.70%	16.51
Wagoner	8,139					59	1	1.70%	12.29
Warr Acres	9,501	1				154	2	1.30%	21.05
Watonga	5,630					8			
Weatherford	10,386	1				47	1	2.10%	9.63
Woodward	12,347	2				62			
Yukon	23,511					126	2	1.60%	8.51
<b>Total</b>	<b>2,369,787</b>	<b>240</b>	<b>8</b>	<b>3.30%</b>	<b>0.34</b>	<b>25785</b>	<b>240</b>	<b>0.90%</b>	<b>10.13</b>

Fatality Rate = Fatalities per 100,000 population.

Injury Rate = Injuries per 100,000 population.

Injury includes incapacitating, non-incapacitating and possible.