

# Quick Facts

## Illinois Crash Information 2007

### Pedalcyclists

Pedalcyclists involved in motor vehicle incidents constitute a unique subset of crash victims by age group and the type of safety equipment that can protect them.

	All Crashes	Crashes Involving Pedalcyclists
<b>Crashes:</b>	422,889	3,895
<b>Fatal Crashes:</b>	1,126	17 <sup>a</sup>
<b>Injury Crashes:</b>	73,220	3,839 <sup>a</sup>
<b>Total People Involved:</b>	983,373 <sup>b</sup>	3,933 <sup>c</sup>
<b>Total Fatalities:</b>	1,250 <sup>b</sup>	18 <sup>c</sup>
<b>Total Non-Fatal Injuries:</b>	103,174 <sup>b</sup>	3,872 <sup>c</sup>

<sup>a</sup> Numbers only reflect crashes in which fatality or non-fatal injury was specifically a pedalcyclist

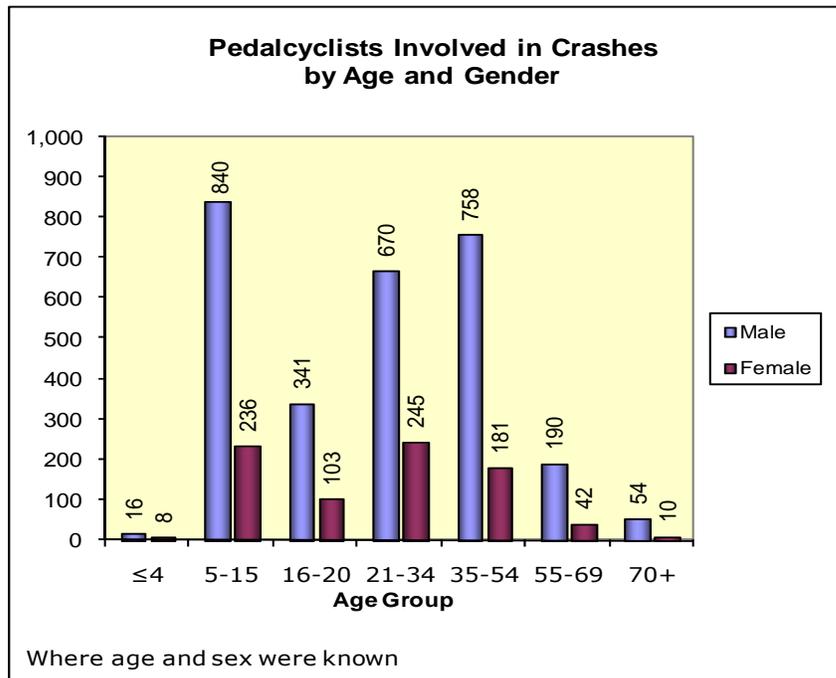
<sup>b</sup> Totals include occupants and non-occupants; e.g. 983,373 total people = 973,034 occupants + 10,339 non-occupants

<sup>c</sup> Numbers include pedalcyclists only

Just 3,895 (0.9%) of all 422,889 crashes in Illinois in 2007 involved pedalcyclists. Pedalcyclist fatalities accounted 18 (1.4%) of all 1,250 traffic fatalities.

### Demographic Facts

- 3,052 (78.1%) of all 3,907 pedalcyclists involved in crashes were male, where sex was known
- 1,076 (29.1%) of all 3,694 pedalcyclists involved in crashes were children aged 5 to 15, where age was known



Note: Data as of March 23, 2009; with 422,889 crash records, 785,918 vehicle records and 983,373 person records

Funding and development of this fact sheet was provided by: Illinois Department of Transportation, Illinois EMSC (a collaborative program between the Illinois Department of Public Health and Loyola University Medical Center) and the CADE Group at the University of Illinois at Chicago. June 2009

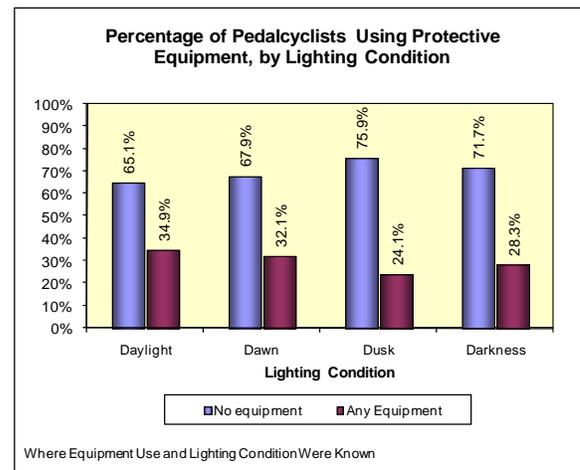
## Protective Equipment

Use of protective equipment including contrasting clothing, reflective clothing and other light sources may reduce the likelihood of a pedalcyclist being involved in a motor vehicle incident.

- Overall, 1,124 (33.3%) of 3,372 pedalcyclists involved in crashes were using one of these forms of protective equipment (where usage was known)
- The majority (12 of 17, or 70.6%) of pedalcyclists who were fatally injured used no protective equipment (where usage was known)

	Protective Equipment Used				Total
	Contrasting clothing	Reflective material	Other light source used	None	
<b>Not injured # (%)</b>	3 (11.1)	1 (3.7)	3 (11.1)	20 (74.1)	27 (100.0)
<b>Injured # (%)</b>	864 (26.0)	124 (3.7)	124 (3.7)	2216 (66.6)	3328 (100.0)
<b>Fatally Injured # (%)</b>	5 (29.4)	0 (0.0)	0 (0.0)	12 (70.6)	17 (100.0)
<b>TOTAL # (%)</b>	872 (25.9)	125 (3.7)	127 (3.8)	2248 (66.7)	3372 (100.0)

- Usage rates for protective equipment varied by the lighting condition (time of day) in which crashes involving pedalcyclists occurred. In daylight 898 (34.9%) of all 2,570 pedalcyclists involved in crashes used protective equipment, but in darkness only 181 (28.3%) of all 639 did so (where usage was known).



## Geographic Facts

- 2,579 (66.2%) of all 3,895 crashes involving pedalcyclists took place in Cook County
  - In comparison, Cook County accounts for 43.3% of the overall population of Illinois\* and 30.6% of the average vehicle miles traveled†

	Crashes Involving One or More Pedalcyclists n (%)	Crashes Involving No Pedalcyclists n (%)
<b>Chicago</b>	1,802 (46.3%)	119,042 (28.4%)
<b>Suburban Cook County</b>	777 (19.9%)	85,271 (20.4%)
<b>Chicago Collar Counties</b>	570 (14.6%)	87,025 (20.8%)
<b>Rest of State - Urban</b>	462 (11.9%)	64,950 (15.5%)
<b>Rest of State - Rural</b>	284 (7.3%)	62,706 (15.0%)

Note: Counties were stratified according to criteria defined by the Behavioral Risk Factor Surveillance System for the Illinois Department of Public Health  
 URL: <http://app.idph.state.il.us/brfss/default.asp>

- In addition to geographic location, 3,752 (96.3%) of all 3,895 crashes involving pedalcyclists took place on roads or highways that were classified as "urban" use

\* Source: Census 2000, U.S. Census Bureau

† Source: Illinois Travel Statistics 2007, Illinois Department of Transportation