

Quick Facts

Illinois Crash Information 2010

Older Population (Aged 70 & Above)

As our population ages, an evaluation of motor vehicle incidents involving the elderly is of increasing interest.

	All Crashes	Crashes Involving Older Population
Crashes:	289,604	25,502
Fatal Crashes:	858	105 ^a
Injury Crashes:	63,586	4,252 ^a
Total People Involved:	689,908 ^b	29,800 ^c
Total Fatalities:	927 ^b	107 ^c
Total Non-Fatal Injuries:	89,030 ^b	4,674 ^c

^a Numbers only reflect crashes in which fatality or non-fatal injury was specifically aged 70 & above

^b Totals include occupants and non-occupants; e.g. 689,908 total people = 680,833 occupants + 9,075 non-occupants

^c Numbers include those aged 70 & above only (occupants and non-occupants)

Older adults aged 70 and above were involved in 25,502 (8.8%) of all 289,604 crashes that occurred in Illinois in 2010 as drivers, passengers, or non-occupants of vehicles such as pedestrians and pedalcyclists. They represent 107 (11.5%) of all 927 traffic fatalities in Illinois in 2010. Just 5.3% of drivers in all crashes were older adults, but 8.8% of drivers in fatal crashes and 11.2% of fatally injured drivers were older adults.*

	Percent in Age Group										Total
	0-5	6-15	16-20	21-24	25-34	35-44	45-54	55-64	65-69	70+	
Licensed Drivers ^{1,2}	N/A	N/A	6.8	6.7	17.6	17.5	19.6	16.3	5.3	10.2	100.0
Drivers in crashes ¹	N/A	N/A	13.1	10.6	21.5	18.0	17.0	11.3	3.1	5.3	100.0
Drivers in fatal crashes ¹	N/A	N/A	11.2	10.9	21.2	15.5	17.3	11.9	3.3	8.8	100.0
Fatally injured drivers ¹	N/A	N/A	10.4	10.9	22.4	13.0	17.6	10.9	3.6	11.2	100.0
Population ³	7.8	13.7	7.2	5.5	13.8	13.5	14.6	11.5	3.8	8.8	100.0
Fatally injured passengers	4.5	6.7	20.8	10.1	17.4	9.0	7.9	7.3	2.8	13.5	100.0
Fatally injured pedestrians	0.9	7.0	7.8	7.8	14.8	13.0	13.0	19.1	3.5	13.0	100.0
Fatally injured pedalcyclists	0.0	12.5	8.3	4.2	12.5	8.3	25.0	20.8	8.3	0.0	100.0
Total traffic fatalities	1.0	2.5	12.0	10.2	20.2	12.1	15.4	11.6	3.6	11.6	100.0

¹ Ages 16 and above, where age was known

² Source: Highway Statistics 2010, Federal Highway Administration

³ Source: Census 2010, U.S. Census Bureau

* Where driver age was known

Note: Data as of December 21, 2011; with 289,604 crash records, 537,606 vehicle records and 689,908 person records.

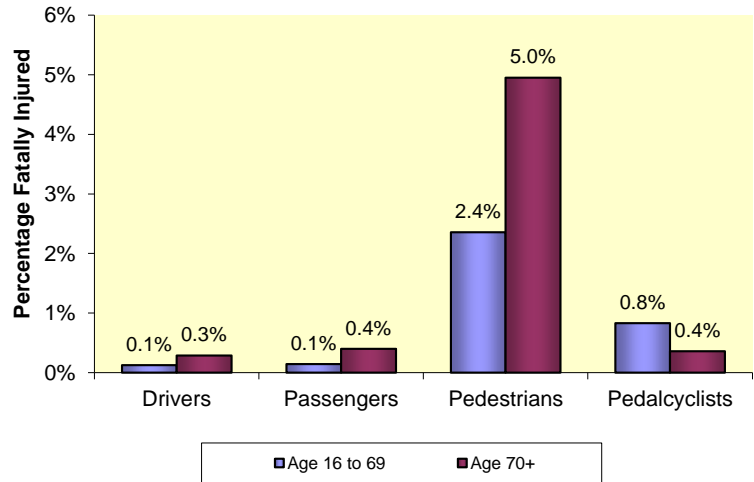
The law regarding the reporting threshold for Property Damage Only crashes was amended effective January 1, 2009, resulting in decreased reporting of crashes in this specific category. It did not affect the reporting of injury or fatal crashes. For details of the reporting amendment, see also <http://app.idph.state.il.us/emrpt/crash.asp>.

Funding and development of this fact sheet was provided by: Illinois Department of Transportation and Illinois EMSC (a collaborative program between the Illinois Department of Public Health and Loyola University Medical Center). May 2012

Vulnerability

- Among adults, percent fatalities for drivers, passengers and pedestrians all followed similar trends, with percent fatalities increasing as age advanced[†]
- Overall, older adults who were involved in crashes in Illinois in 2010 in any capacity (driver, passenger or non-occupant) were 2.4 times more likely to be fatally injured than people aged 16 to 69[†]

Percentage of Crash Victims Who Were Fatally Injured, by Victim Type & Age Group



Seat Belt Use

- 20,228 (88.2%)[‡] of all 22,928 **older drivers** of passenger cars/light trucks[§] reported using seat belts
 - In comparison, 338,557 (86.0%) of all 393,635 younger drivers (aged 16 to 69) of passenger cars/light trucks reported using seat belts
- 5,209 (90.3%)[‡] of all 5,769 **older passengers** of passenger cars/light trucks[§] reported using seat belts
 - In comparison, 74,983 (85.1%) of all 88,162 younger passengers (aged 16 to 69) of passenger cars/light trucks reported using seat belts

[†] Where age was known

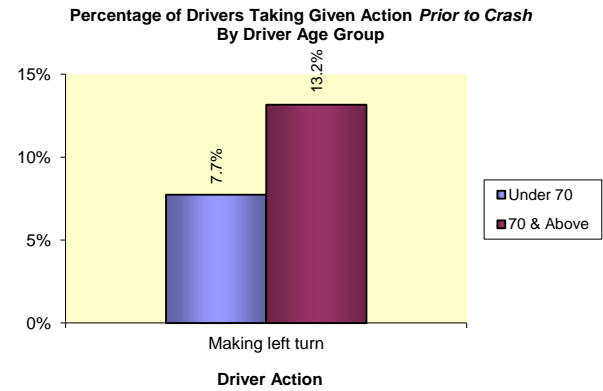
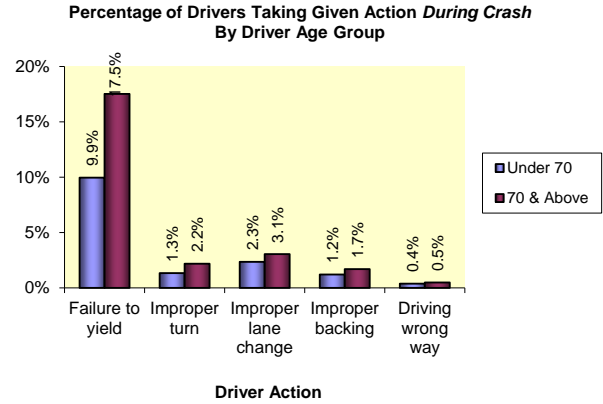
[‡] Percent using seat belts was defined as the number of people for whom seat belt use was reported divided by the total number of people involved in crashes.

[§] Passenger cars and light trucks for this analysis were defined as passenger cars, pickup trucks, vans, minivans and SUV's according to classifications used by the National Highway Traffic Safety Administration.

Older Drivers

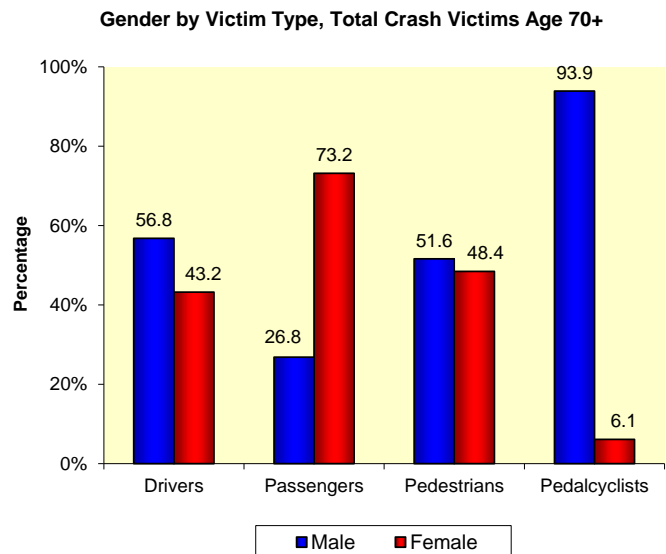
Driving errors and other actions taken by older drivers aged 70 and above before and during crashes tend to be different than those taken by younger drivers.

- Older drivers who were involved in crashes were 1.9 times more likely than younger drivers to have made driving errors such as those shown at right.
 - Together, these errors account for 24.9% of older drivers' actions during crashes.
- Older drivers who were involved in crashes were also 1.8 times more likely than other drivers to have been making a left turn prior to the crash, whether or not it was classified by police as an improper turn.
- 13,322 (52.4%) of all 25,502 crashes involving older drivers were intersection-related, compared with 98,616 (37.3%) of all 264,102 crashes in which no older driver was involved.
- Just 1,716 (6.7%) of all 25,502 crashes involving older drivers were speeding-related, compared with 30,947 (11.7%) of all 264,102 crashes in which no older driver was involved.
- By collision type, 3,137 (12.3%) of all 25,502 crashes involving older drivers were single vehicle crashes, compared with 66,258 (25.1%) of all 264,104 crashes in which no older driver was involved.



Demographic Facts**

- 13,364 (56.8%) of all 23,532 older drivers involved in crashes were male, compared with 253,925 (57.0%) of all 445,408 younger drivers.
- 1,599 (26.8%) of all 5,958 older passengers involved in crashes were male, compared with 69,513 (46.1%) of all 150,788 younger passengers.
- 131 (51.6%) of all 254 older pedestrians involved in crashes were male, compared with 2,807 (53.9%) of all 5,212 younger pedestrians.
- 46 (93.9%) of all 49 older pedalcyclists involved in crashes were male, compared with 2,645 (76.3%) of all 3,466 younger pedalcyclists.



Where age and sex were known

** Where age and sex were known

Geographic Facts

- 22,200 (87.1%) of all 25,502 crashes involving older drivers took place on roads or highways that were classified as "urban" use, compared with 223,160 (84.5%) of all 264,102 other crashes
- 10,630 (41.7%) of all 25,502 crashes involving older drivers took place in Cook County
 - In comparison, Cook County accounts for 38.8% of the overall population of Illinois aged 70 and above^{††} and just 30.9% of the annual vehicle miles traveled in Illinois^{††}

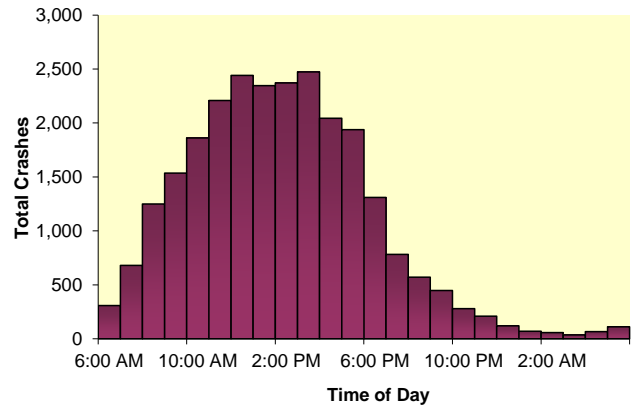
	Crashes Involving One or More Older People	Crashes Involving No Older People
	n (%)	n (%)
Chicago	4,472 (17.5%)	76,400 (28.9%)
Suburban Cook County	6,158 (24.1%)	50,512 (19.1%)
Chicago Collar Counties	4,961 (19.5%)	50,793 (19.2%)
Rest of State - Urban	5,007 (19.6%)	44,032 (16.7%)
Rest of State - Rural	4,904 (19.2%)	42,365 (16.0%)

Note: Counties were stratified according to criteria defined by the Behavioral Risk Factor Surveillance System for the Illinois Department of Public Health

Time of Day

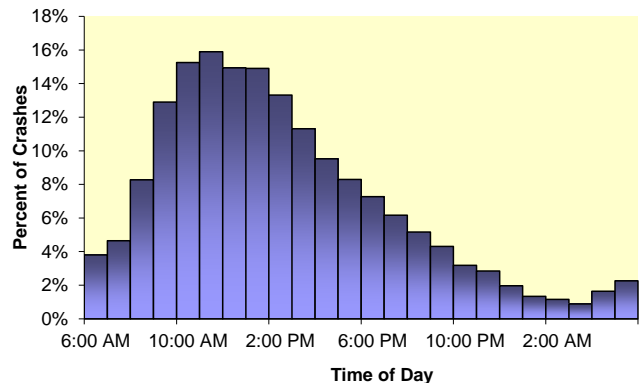
- 23,231 (91.1%) of all 25,502 crashes involving one or more older drivers occurred between 7:00 am and 7:00 pm.^{§§}
- In comparison, 191,627 (72.6%) of all 264,102 crashes involving no older drivers occurred between 7:00 am and 7:00 pm.^{§§}

Total Crashes Involving One or More Older Drivers, by Time of Day



- Overall, 25,502 (8.8%) of all 289,604 crashes that occurred in Illinois in 2010 involved one or more older drivers, but that rate varied by time of day.^{§§}
 - The highest involvement rate for older drivers was between 11:00 am and 12:00 pm, when 2,207 (15.9%) of all 13,882 crashes involved one or more older drivers.^{§§}
 - The lowest involvement rate for older drivers was between 3:00 am and 4:00 am, when 36 (0.9%) of all 4,073 crashes involved one or more older drivers.^{§§}

Percentage of All Crashes That Involved One or More Older Drivers, by Time of Day



^{††} Source: Census 2010, U.S. Census Bureau

^{††} Source: Illinois Travel Statistics 2010, Illinois Department of Transportation

^{§§} Where time of day was known