



Older Drivers

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Iowa's Strategic Highway Safety Plan

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Older Drivers Fact Sheet

What are the Contributing Factors?

The Driver

66% of severe injuries occurred with an older driver that was identified as male.

52% of severe injuries occurred when the older driver was between the ages of 65-74.

Age Group	Male	Female	Total
65 - 74	36%	16%	52%
75 - 84	23%	12%	35%
≥85	7%	6%	13%
Total	66%	34%	100%

Road and Area Type

Older driver related severe injuries were primarily on rural roads (54%).

Combining rural and urban roadways, severe injuries are mostly on the state jurisdictions (55%).

The most common facility type for severe injuries include two-lane roadways (state & city) and paved county roads.

Jurisdiction	Facility Type	Rural	Urban	Total
State	Freeway	11%	9%	20%
	Expressway	12%	7%	19%
	Multi-Lane	0%	16%	16%
	Two-Lane	38%	7%	45%
County	Paved	64%	5%	69%
	Unpaved	19%	<1%	19%
	Other	11%	1%	12%
City	Multi-Lane Undivided	-	13%	13%
	Two-Lane	-	75%	75%
	Other	-	12%	12%

Manner of Crash/Collision Impact

29% of older driver related severe injuries involved a broadside collision.

Crash Type	Percent	Crash Type	Percent
Broadside	29%	Rear-end	14%
Non-collision	27%	Head-on	11%

Contributing Circumstance

Failure to yield right of way was reported in 17% of severe injuries, followed by lost control with 10% and ran traffic signal/STOP sign with 6%.

County

The top five counties represent 28% of older driver related severe injuries in Iowa.

Top Counties	Percent	Top Counties	Percent
Polk	10%	Black Hawk	4%
Scott	6%	Woodbury	4%
Linn	4%		

Time

Most older driver related severe injuries occurred between noon – 3:59 PM (36%), but were evenly distributed by day-of-week.

Time of Day	Percent							Total
	M	Tu	W	Th	F	Sa	Su	
Midnight to 3:59 AM	0%	0%	0%	0%	0%	1%	1%	2%
4:00 AM to 7:59 AM	1%	1%	1%	1%	1%	1%	0%	6%
8:00 AM to 11:59 AM	6%	5%	5%	4%	3%	3%	2%	28%
Noon to 3:59 PM	5%	6%	6%	5%	6%	5%	3%	36%
4:00 PM to 7:59 PM	3%	3%	3%	5%	4%	2%	2%	22%
8:00 PM to Midnight	0%	1%	1%	1%	1%	1%	1%	6%
Total	15%	16%	16%	16%	15%	13%	9%	100%

How Significant is the Issue?

On Iowa roadways, there were 1,717 severe injuries between 2007 and 2011 in which the crash involved a driver 65 years of age or older. This is an average of 344 severe injuries per year and involved nearly 16% of all severe injuries during the five year period.

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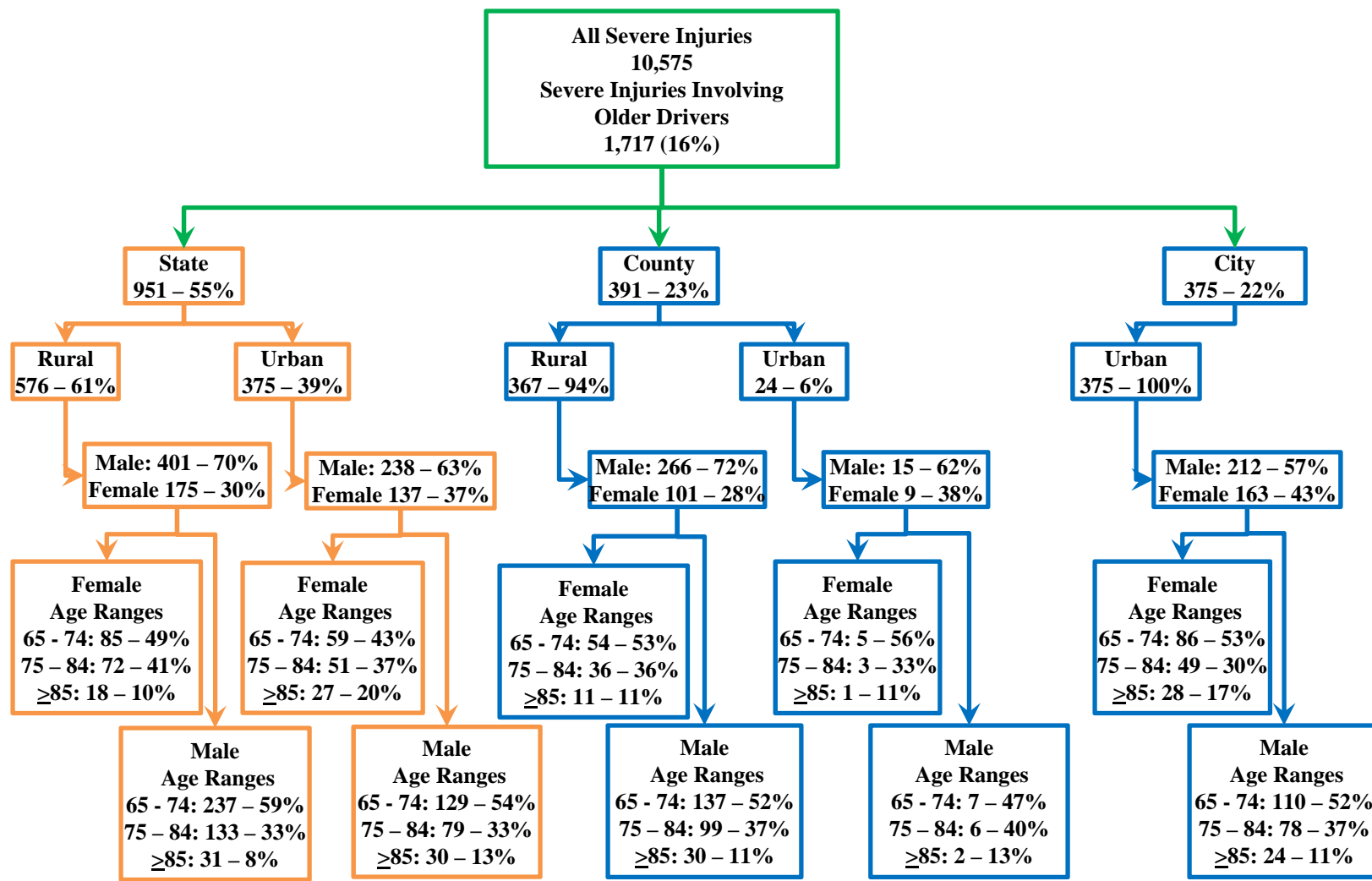
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Older Drivers – By System

Source: Iowa Crash Records System, 2007-2011
-- Severe injuries include fatalities and major injuries

What the Crash Data Tells Us:

- Over half of severe older driver related injuries occurred on the State system.
- 55% of older driver related severe injuries are in rural areas.



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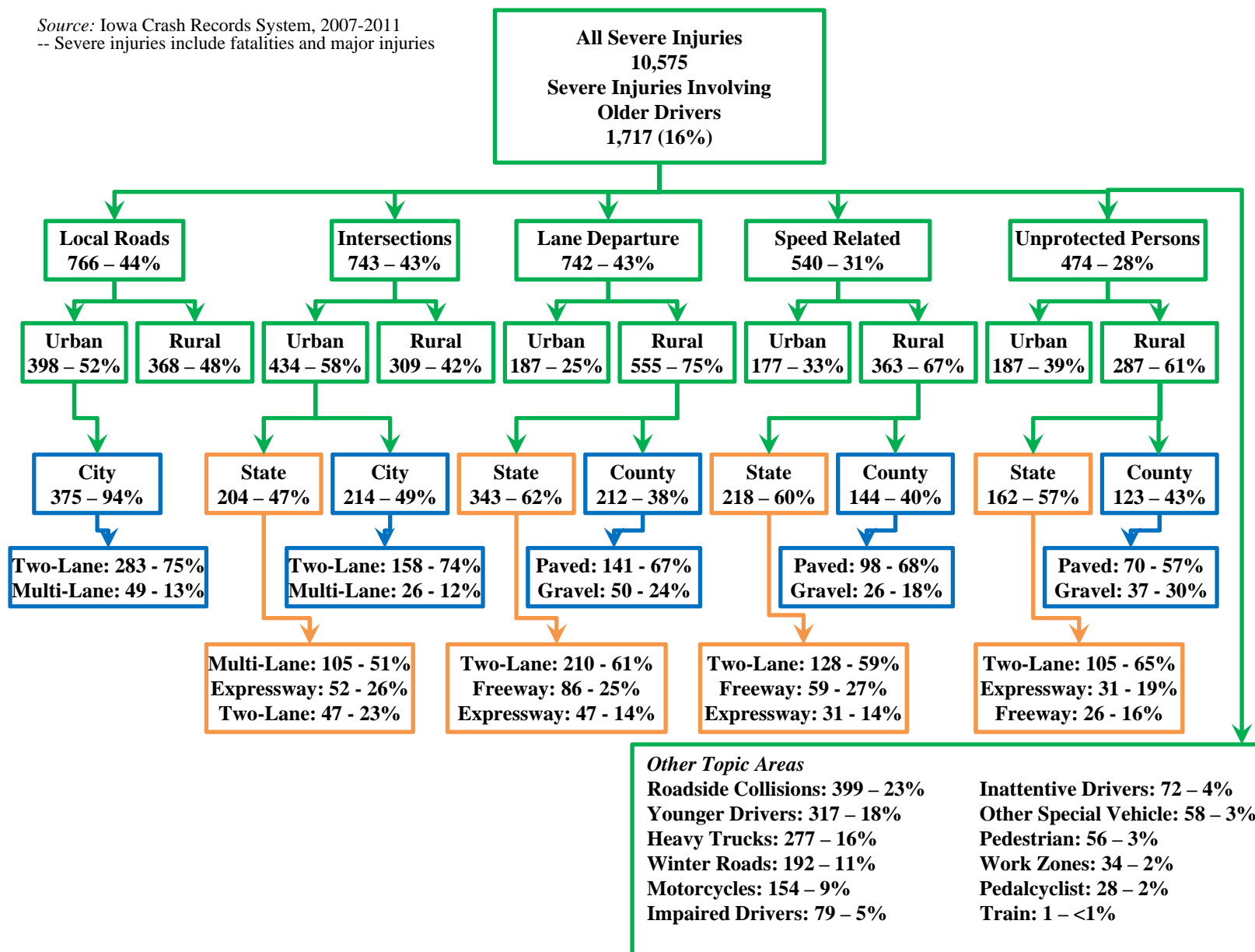
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Older Drivers – By Topic

What the Crash Data Tells Us:

- For the areas noted above, 2-lane roadways in urban and rural areas and intersections with multi-lane roads are most at risk.

Source: Iowa Crash Records System, 2007-2011
-- Severe injuries include fatalities and major injuries



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Older Drivers – Possible Strategies

Objectives	Strategies	Relative Cost to Implement and Operate	Effectiveness	Typical Timeframe for Implementation
A - Plan for an aging population	A1 - Establish a broad-based coalition to plan for addressing older adults' transportation needs	Low	Tried	Medium
B - Improve the roadway and driving environment to better accommodate older drivers' special needs	B1 - Provide advance warning signs	Low	Tried	Short
	B2 - Provide advance guide signs and street name signs	Low	Tried	Short
	B3 - Increase size and letter height of roadway signs	Low	Tried	Short
	B4 - Provide all-red clearance intervals at signalized intersections	Low	Tried	Short
	B5 - Provide more protected left-turn signal phases at high-volume intersections	Low	Tried	Short
	B6 - Provide offset left-turn lanes at intersections	Moderate to High	Tried	Medium
	B7 - Improve lighting at intersections, horizontal curves, and railroad grade crossings	Moderate to High	Tried	Medium
	B8 - Improve roadway delineation	Low	Tried	Short
	B9 - Replace painted channelization with raised channelization	Moderate	Proven	Medium
	B10 - Reduce intersection skew angle	Moderate to High	Tried	Medium
	B11 - Improve traffic control at work zones	Low	Tried	Medium
C - Identify older drivers at increased risk of crashing and intervene	C1 - Strengthen the role of medical advisory boards in assessing the potential impairment of older drivers and recommending appropriate licensing actions, from restricted licenses to full revocation.	Low	Tried	Medium
	C3 - Update procedures for assessing medical fitness to drive	Moderate	Proven	Medium
	C4 - Review license renewal policies of older drivers' identified as an excessive risk through screening by motor vehicle personnel (i.e., restrict vs. rescind, age and interval schedule for license renewal, etc.)	Moderate	Tried	Medium
	C6 - Examine age provisions for shorter driver licensing renewal interval schedule.	Moderate to High	Tried	Medium
E - Reduce the risk of injury and death to older drivers and passengers involved in crashes	E1 - Use high visibility enforcement and public outreach to increase seatbelt use of older drivers and passengers	Low	Proven	Short

Source: NCHRP 500 Series & NHTSA's Countermeasures that Work

Note: Short (<1 year); Medium (1-2 years); Long (>2 years)