

# Older (Age 65+) Drivers



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## Section 9: Older (Age 65+) Drivers



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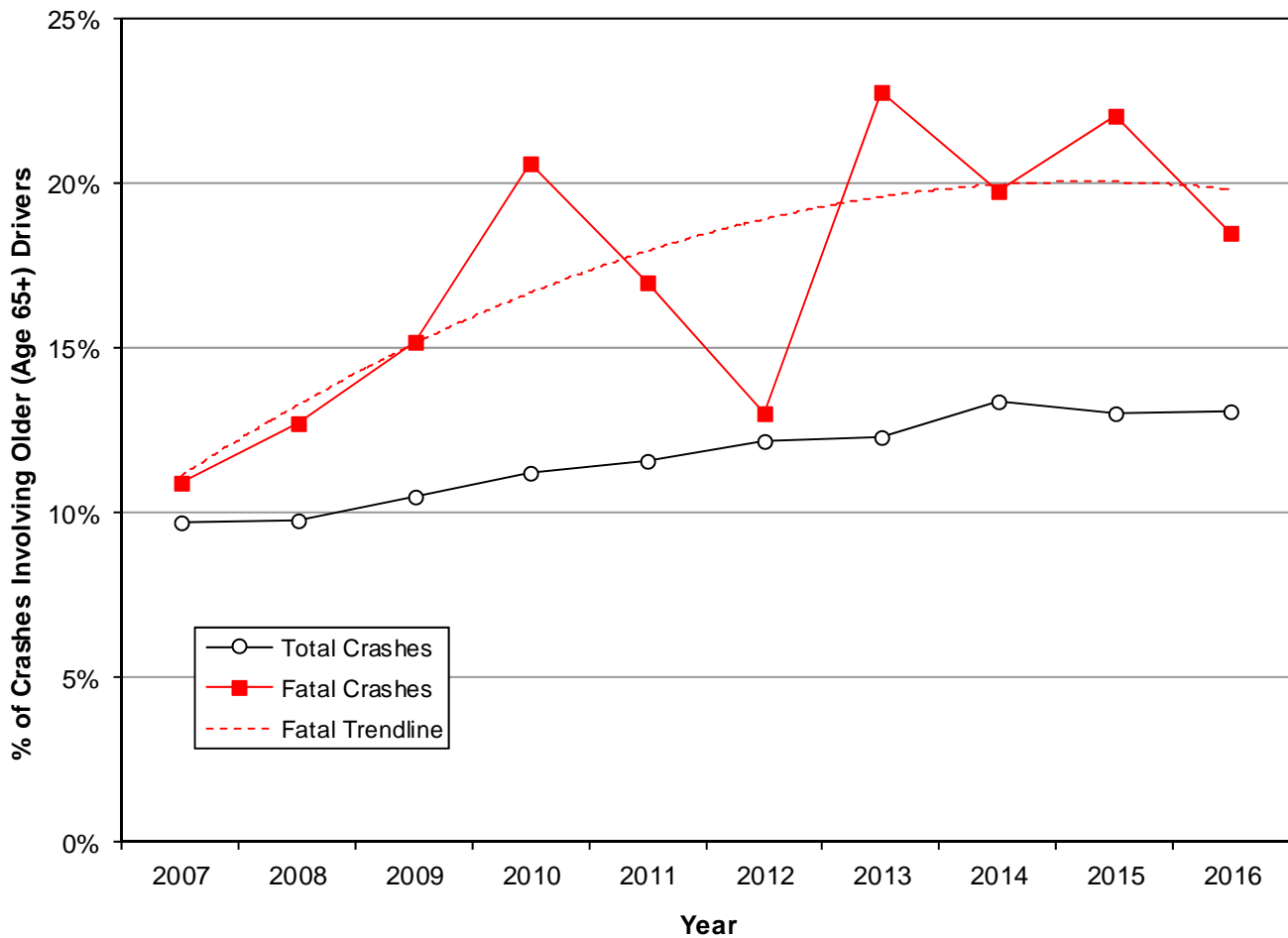
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## Trends

### Older Driver Crashes (Utah 2007-2016)

Older (Age 65+) Driver Crashes												
Year	Property Damage Only			Injury			Fatal			Total		
	All	Older Driver		All	Older Driver		All	Older Driver		All	Older Driver	
	#	#	%	#	#	%	#	#	%	#	#	%
2007	42,368	3,937	9.3%	18,619	1,991	10.7%	258	28	10.9%	<b>61,245</b>	<b>5,956</b>	<b>9.7%</b>
2008	38,997	3,620	9.3%	17,125	1,872	10.9%	245	31	12.7%	<b>56,367</b>	<b>5,523</b>	<b>9.8%</b>
2009	35,398	3,552	10.0%	15,752	1,834	11.6%	217	33	15.2%	<b>51,367</b>	<b>5,419</b>	<b>10.5%</b>
2010	34,155	3,658	10.7%	14,995	1,830	12.2%	218	45	20.6%	<b>49,368</b>	<b>5,533</b>	<b>11.2%</b>
2011	36,418	4,108	11.3%	15,645	1,914	12.2%	224	38	17.0%	<b>52,287</b>	<b>6,060</b>	<b>11.6%</b>
2012	34,635	4,043	11.7%	15,765	2,080	13.2%	200	26	13.0%	<b>50,600</b>	<b>6,149</b>	<b>12.2%</b>
2013	39,301	4,627	11.8%	16,134	2,182	13.5%	202	46	22.8%	<b>55,637</b>	<b>6,855</b>	<b>12.3%</b>
2014	37,388	4,838	12.9%	16,426	2,372	14.4%	222	44	19.8%	<b>54,036</b>	<b>7,254</b>	<b>13.4%</b>
2015	42,089	5,274	12.5%	17,665	2,482	14.1%	258	57	22.1%	<b>60,012</b>	<b>7,813</b>	<b>13.0%</b>
2016	43,465	5,378	12.4%	18,747	2,754	14.7%	259	48	18.5%	<b>62,471</b>	<b>8,180</b>	<b>13.1%</b>
<b>Total</b>	<b>384,214</b>	<b>43,035</b>	<b>11.2%</b>	<b>166,873</b>	<b>21,311</b>	<b>12.8%</b>	<b>2,303</b>	<b>396</b>	<b>17.2%</b>	<b>553,390</b>	<b>64,742</b>	<b>11.7%</b>

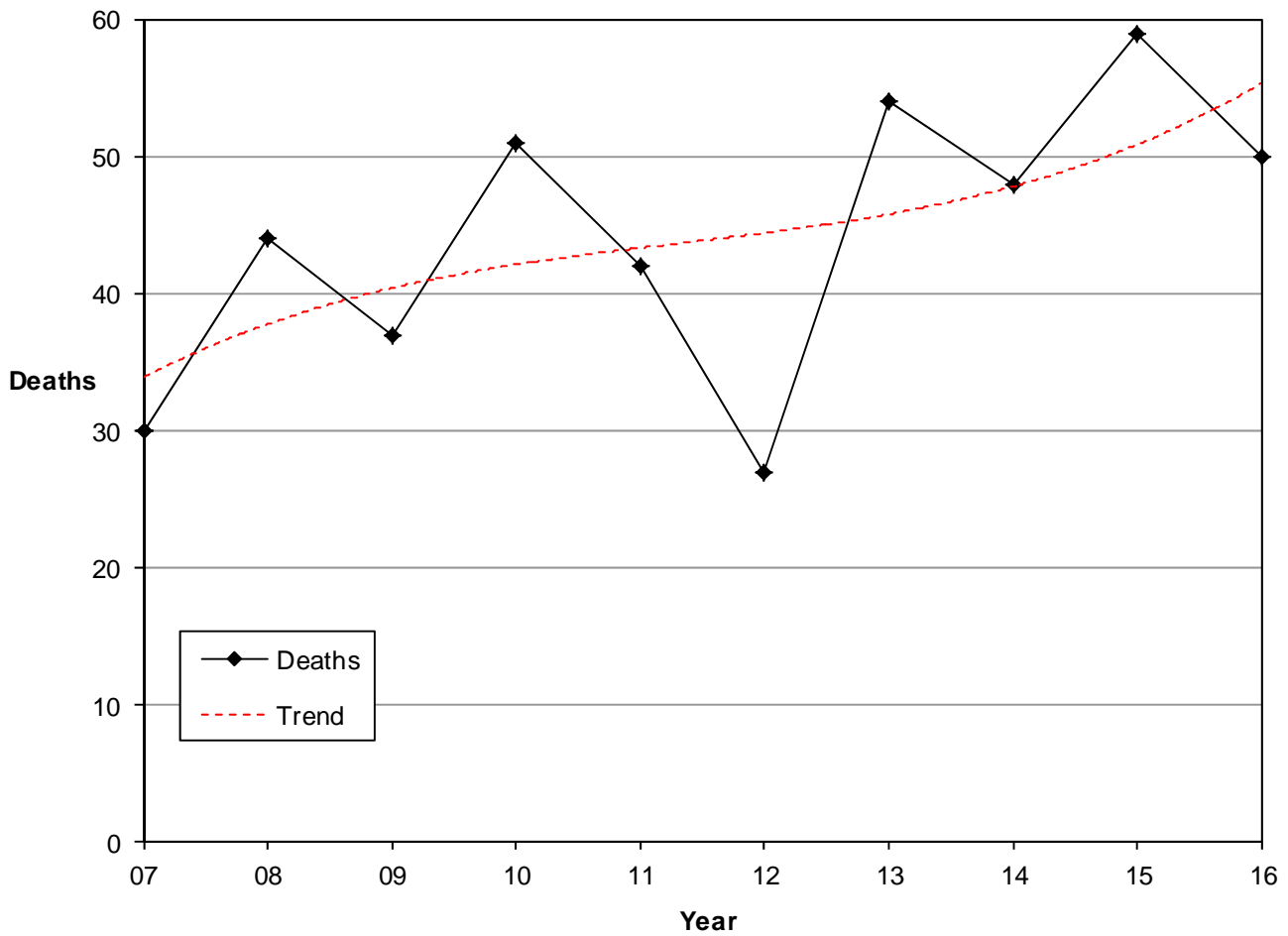


- Older drivers (aged 65+ years) are a special concern because of their declining health and fragility.
- The 10-year trend shows that 11.7% of all crashes in Utah involved an older driver with an increasing trend over the last 10 years.
- Fatal older driver crashes have also shown an increasing trend over the last 10 years.

## Trends

### Fatal Crashes Involving Older Drivers (Utah 2007-2016)

Year	Older Driver Crashes					
	Deaths			Fatal Crashes		
	All #	Older Driver #	%	All #	Older Driver #	%
2007	299	30	10.0%	260	28	10.8%
2008	276	44	15.9%	244	31	12.7%
2009	244	37	15.2%	217	33	15.2%
2010	253	51	20.2%	218	45	20.6%
2011	243	42	17.3%	224	38	17.0%
2012	217	27	12.4%	200	26	13.0%
2013	220	54	24.5%	202	46	22.8%
2014	256	48	18.8%	222	44	19.8%
2015	278	59	21.2%	258	57	22.1%
2016	281	50	17.8%	259	48	18.5%
<b>Total</b>	<b>2,567</b>	<b>442</b>	<b>17.2%</b>	<b>2,304</b>	<b>396</b>	<b>17.2%</b>



- Over the past 10 years, the percentage of deaths and fatal crashes involving older drivers has fluctuated around 17% of all deaths and fatal crashes.
- On average, 44 people die a year in Utah from crashes involving an older driver.

## Crash Conditions

### Older Driver Crashes by County (Utah 2016)

Older (Age 65+) Driver Crashes												
County	PDO Crashes			Injury Crashes			Fatal Crashes			Total		
	All	Older Driver		All	Older Driver		All	Older Driver		All	Older Driver	
	#	#	%	#	#	%	#	#	%	#	#	%
Piute	28	6	21.4%	10	3	30.0%	1	0	0.0%	39	9	23.1%
Washington	1,845	391	21.2%	847	197	23.3%	14	3	21.4%	2,706	591	21.8%
Daggett	13	2	15.4%	0	0	n/a	1	1	100.0%	14	3	21.4%
Grand	153	31	20.3%	65	14	21.5%	4	0	0.0%	222	45	20.3%
Carbon	292	42	14.4%	90	20	22.2%	3	1	33.3%	385	63	16.4%
Garfield	165	25	15.2%	60	10	16.7%	5	2	40.0%	230	37	16.1%
Sanpete	265	35	13.2%	95	20	21.1%	4	2	50.0%	364	57	15.7%
Sevier	274	46	16.8%	110	12	10.9%	6	1	16.7%	390	59	15.1%
Weber	2,836	377	13.3%	1,560	284	18.2%	17	3	17.6%	4,413	664	15.0%
Iron	698	106	15.2%	249	35	14.1%	4	1	25.0%	951	142	14.9%
Davis	3,972	527	13.3%	1,780	287	16.1%	24	4	16.7%	5,776	818	14.2%
Emery	170	24	14.1%	79	9	11.4%	7	3	42.9%	256	36	14.1%
Wayne	40	5	12.5%	24	4	16.7%	0	0	n/a	64	9	14.1%
San Juan	220	30	13.6%	38	6	15.8%	8	1	12.5%	266	37	13.9%
Box Elder	972	131	13.5%	378	53	14.0%	9	2	22.2%	1,359	186	13.7%
Juab	262	37	14.1%	86	9	10.5%	5	1	20.0%	353	47	13.3%
Cache	1,557	191	12.3%	496	79	15.9%	11	2	18.2%	2,064	272	13.2%
Uintah	397	46	11.6%	100	18	18.0%	2	1	50.0%	499	65	13.0%
Beaver	175	20	11.4%	76	12	15.8%	0	0	n/a	251	32	12.7%
Wasatch	554	62	11.2%	165	25	15.2%	7	2	28.6%	726	89	12.3%
Salt Lake	19,674	2,316	11.8%	8,546	1,134	13.3%	67	9	13.4%	28,287	3,459	12.2%
Tooele	749	84	11.2%	340	44	12.9%	18	2	11.1%	1,107	130	11.7%
Millard	301	32	10.6%	128	18	14.1%	5	0	0.0%	434	50	11.5%
Utah	6,376	654	10.3%	2,960	413	14.0%	29	7	24.1%	9,365	1,074	11.5%
Summit	898	107	11.9%	291	29	10.0%	4	0	0.0%	1,193	136	11.4%
Kane	156	17	10.9%	50	6	12.0%	2	0	0.0%	208	23	11.1%
Duchesne	234	21	9.0%	67	12	17.9%	1	0	0.0%	302	33	10.9%
Morgan	131	10	7.6%	34	1	2.9%	1	0	0.0%	166	11	6.6%
Rich	58	3	5.2%	23	0	0.0%	0	0	n/a	81	3	3.7%
<b>Statewide</b>	<b>43,465</b>	<b>5,378</b>	<b>12.4%</b>	<b>18,747</b>	<b>2,754</b>	<b>14.7%</b>	<b>259</b>	<b>48</b>	<b>18.5%</b>	<b>62,471</b>	<b>8,180</b>	<b>13.1%</b>

- Overall, Piute (23%), Washington (22%), and Daggett (21%) counties had the highest percentages of crashes involving an older driver.
- Salt Lake and Utah counties had the highest amount of fatal crashes involving an older driver.
- Overall, Rich (4%), Morgan (7%), and Duchesne (11%) counties had the lowest percentages of crashes involving an older driver.
- Statewide, older driver crashes represented 13.1% of all crashes and 18.5% of all fatal crashes.

## Crash Conditions

### Gender of Older Drivers in Crashes (Utah 2016)

Older (Age 65+) Drivers								
Gender	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Male	3,421	60.2%	1,694	58.0%	40	76.9%	5,155	59.5%
Female	2,257	39.7%	1,229	42.0%	12	23.1%	3,498	40.4%
Unknown	5	0.1%	0	0.0%	0	0.0%	5	0.1%
<b>Total</b>	<b>5,683</b>	<b>100.0%</b>	<b>2,923</b>	<b>100.0%</b>	<b>52</b>	<b>100.0%</b>	<b>8,658</b>	<b>100.0%</b>

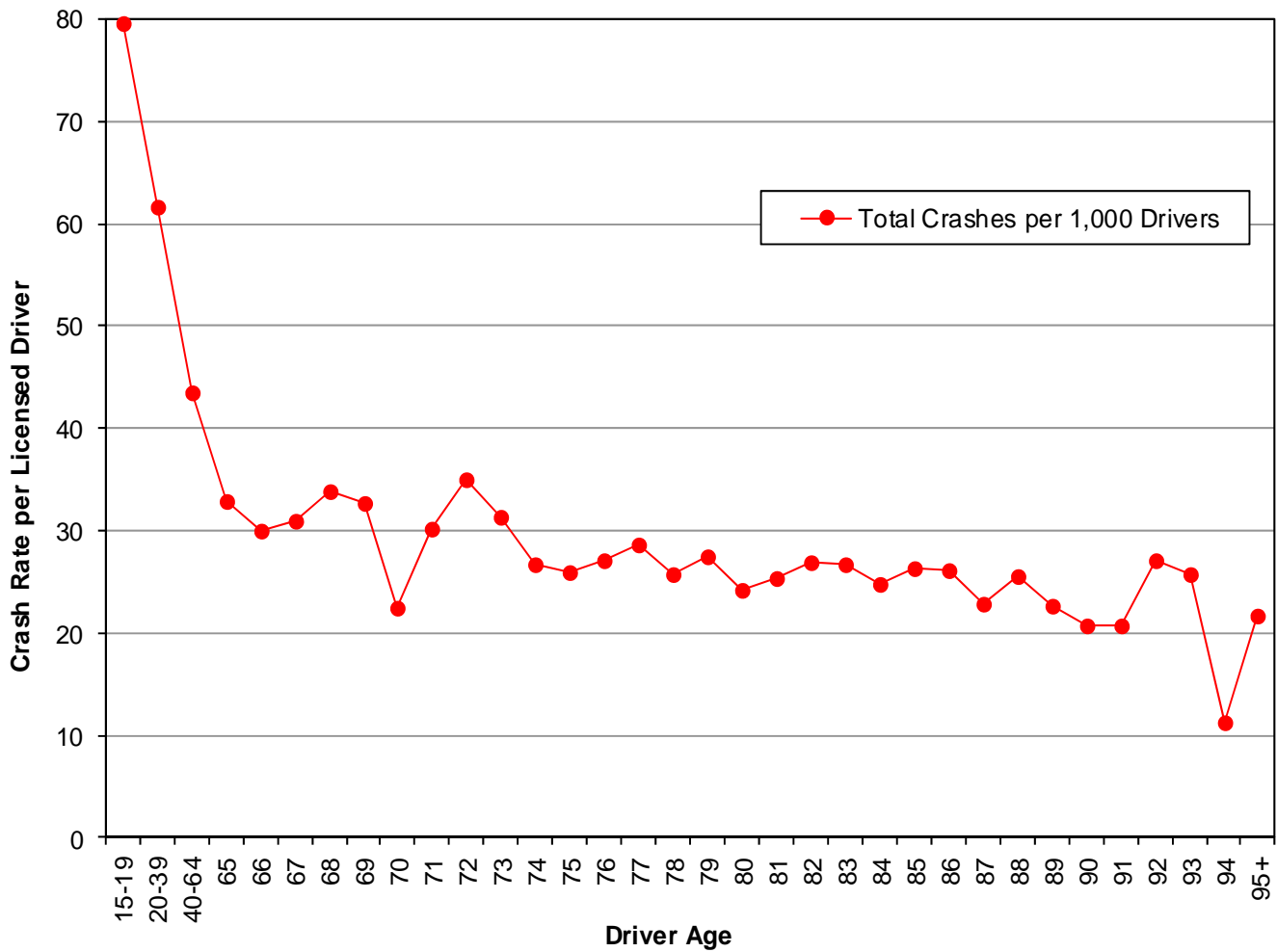
- The majority of older drivers in all motor vehicle crashes (60%) and fatal crashes (77%) were male.

### Age of Older Drivers in Crashes (Utah 2016)

Older (Age 65+) Drivers												
Age	PDO Crashes			Injury Crashes			Fatal Crashes			Total		
	#	%	Rate per 1,000 Drivers	#	%	Rate per 1,000 Drivers	#	%	Rate per 1,000 Drivers	#	%	Rate per 1,000 Drivers
65	518	9.1%	21.7	261	8.9%	11.0	4	7.7%	0.168	783	9.0%	32.9
66	441	7.8%	19.9	216	7.4%	9.8	5	9.6%	0.226	662	7.6%	29.9
67	432	7.6%	20.4	217	7.4%	10.3	6	11.5%	0.283	655	7.6%	30.9
68	466	8.2%	22.6	231	7.9%	11.2	2	3.8%	0.097	699	8.1%	33.9
69	430	7.6%	21.5	222	7.6%	11.1	3	5.8%	0.150	655	7.6%	32.7
70	306	5.4%	14.7	161	5.5%	7.7	2	3.8%	0.096	469	5.4%	22.5
71	316	5.6%	20.9	140	4.8%	9.3	1	1.9%	0.066	457	5.3%	30.2
72	327	5.8%	22.5	178	6.1%	12.3	4	7.7%	0.276	509	5.9%	35.1
73	297	5.2%	20.5	157	5.4%	10.8	1	1.9%	0.069	455	5.3%	31.4
74	257	4.5%	17.1	141	4.8%	9.4	2	3.8%	0.133	400	4.6%	26.7
75	213	3.7%	17.1	107	3.7%	8.6	3	5.8%	0.242	323	3.7%	26.0
76	194	3.4%	17.1	113	3.9%	10.0	0	0.0%	0.000	307	3.5%	27.1
77	189	3.3%	18.1	105	3.6%	10.1	5	9.6%	0.479	299	3.5%	28.7
78	167	2.9%	17.5	78	2.7%	8.2	1	1.9%	0.105	246	2.8%	25.8
79	164	2.9%	18.1	83	2.8%	9.2	1	1.9%	0.111	248	2.9%	27.4
80	134	2.4%	16.5	63	2.2%	7.8	0	0.0%	0.000	197	2.3%	24.2
81	128	2.3%	17.1	62	2.1%	8.3	1	1.9%	0.133	191	2.2%	25.5
82	125	2.2%	18.0	62	2.1%	8.9	0	0.0%	0.000	187	2.2%	26.9
83	104	1.8%	17.1	57	2.0%	9.4	1	1.9%	0.165	162	1.9%	26.7
84	82	1.4%	15.5	47	1.6%	8.9	2	3.8%	0.378	131	1.5%	24.8
85	80	1.4%	16.6	46	1.6%	9.5	1	1.9%	0.207	127	1.5%	26.3
86	77	1.4%	17.5	37	1.3%	8.4	1	1.9%	0.227	115	1.3%	26.1
87	59	1.0%	15.8	26	0.9%	7.0	0	0.0%	0.000	85	1.0%	22.8
88	44	0.8%	14.2	31	1.1%	10.0	4	7.7%	1.289	79	0.9%	25.5
89	41	0.7%	16.0	16	0.5%	6.2	1	1.9%	0.389	58	0.7%	22.6
90	18	0.3%	8.9	24	0.8%	11.8	0	0.0%	0.000	42	0.5%	20.7
91	23	0.4%	14.5	9	0.3%	5.7	1	1.9%	0.631	33	0.4%	20.8
92	22	0.4%	18.6	10	0.3%	8.4	0	0.0%	0.000	32	0.4%	27.0
93	11	0.2%	12.8	11	0.4%	12.8	0	0.0%	0.000	22	0.3%	25.7
94	5	0.1%	8.1	2	0.1%	3.2	0	0.0%	0.000	7	0.1%	11.3
95+	13	0.2%	12.2	10	0.3%	9.4	0	0.0%	0.000	23	0.3%	21.6
<b>Total</b>	<b>5,683</b>	<b>100.0%</b>	<b>18.9</b>	<b>2,923</b>	<b>100.0%</b>	<b>9.7</b>	<b>52</b>	<b>100.0%</b>	<b>0.173</b>	<b>8,658</b>	<b>100.0%</b>	<b>28.8</b>

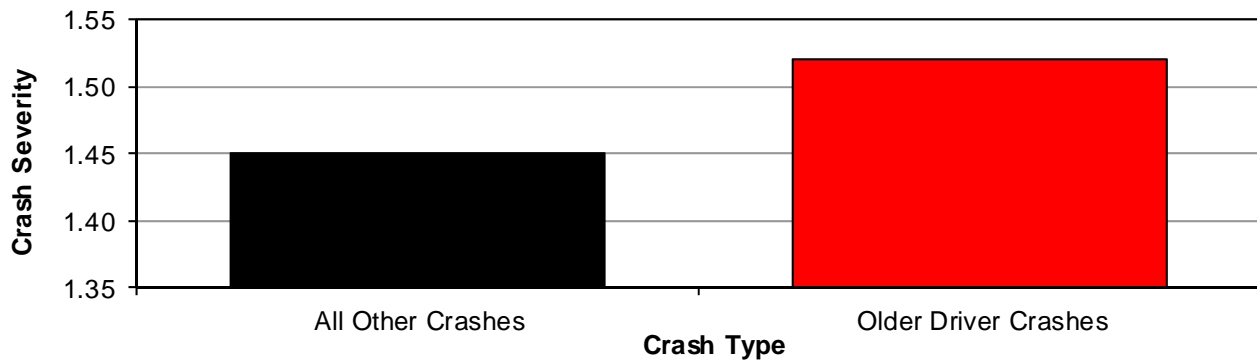
## Crash Conditions

### Crash Rate of Licensed Drivers by Age (Utah 2016)



- The older the driver the less likely they were to be in a crash per licensed driver.
- Older drivers had the lowest crash rate per licensed driver.

### Older Driver Crash Severity (Utah 2016)



- Older driver crashes were 22% more likely to result in injury or death compared to all other crashes.

## Crash Conditions

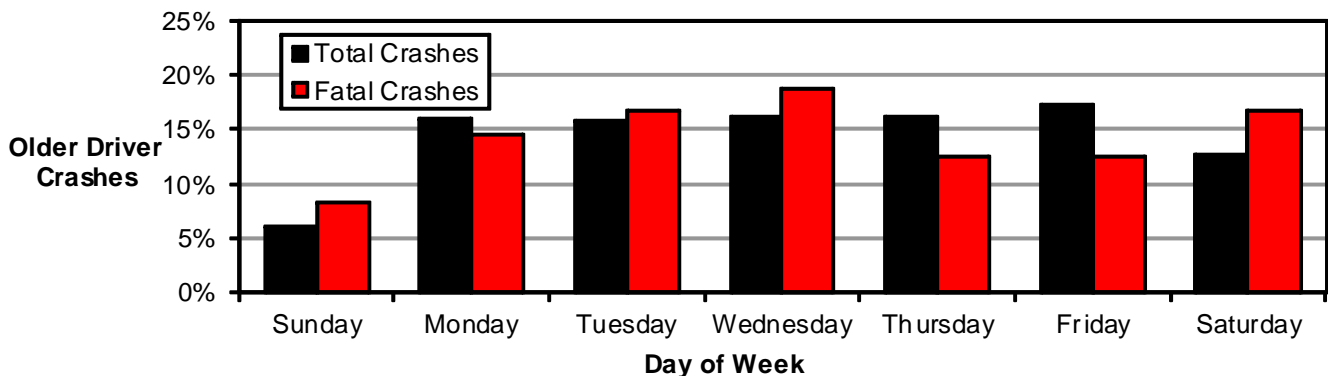
### Older Driver Crashes by Month (Utah 2016)

Older (Age 65+) Driver Crashes								
Month	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	Rate per Day	#	Rate per Day	#	Rate per Day	#	Rate per Day
January	391	12.6	185	6.0	0	0.00	576	18.6
February	387	13.3	189	6.5	3	0.10	579	20.0
March	381	12.3	221	7.1	2	0.06	604	19.5
April	380	12.7	228	7.6	5	0.17	613	20.4
May	454	14.6	213	6.9	7	0.23	674	21.7
June	461	15.4	260	8.7	7	0.23	728	24.3
July	418	13.5	237	7.6	6	0.19	661	21.3
August	480	15.5	252	8.1	1	0.03	733	23.6
September	466	15.5	263	8.8	7	0.23	736	24.5
October	522	16.8	230	7.4	6	0.19	758	24.5
November	504	16.8	251	8.4	2	0.07	757	25.2
December	534	17.2	225	7.3	2	0.06	761	24.5
<b>Total</b>	<b>5,378</b>	<b>14.7</b>	<b>2,754</b>	<b>7.5</b>	<b>48</b>	<b>0.13</b>	<b>8,180</b>	<b>22.3</b>

- Overall, September through December had the highest rates per day for older driver crashes.
- The highest rate per day of fatal older driver crashes occurred in May, June, and September.

### Older Driver Crashes by Day of Week (Utah 2016)

Older (Age 65+) Driver Crashes								
Day of Week	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Sunday	310	5.8%	176	6.4%	4	8.3%	490	6.0%
Monday	861	16.0%	447	16.2%	7	14.6%	1,315	16.1%
Tuesday	834	15.5%	446	16.2%	8	16.7%	1,288	15.7%
Wednesday	881	16.4%	435	15.8%	9	18.8%	1,325	16.2%
Thursday	902	16.8%	410	14.9%	6	12.5%	1,318	16.1%
Friday	938	17.4%	467	17.0%	6	12.5%	1,411	17.2%
Saturday	652	12.1%	373	13.5%	8	16.7%	1,033	12.6%
<b>Total</b>	<b>5,378</b>	<b>100.0%</b>	<b>2,754</b>	<b>100.0%</b>	<b>48</b>	<b>100.0%</b>	<b>8,180</b>	<b>100.0%</b>

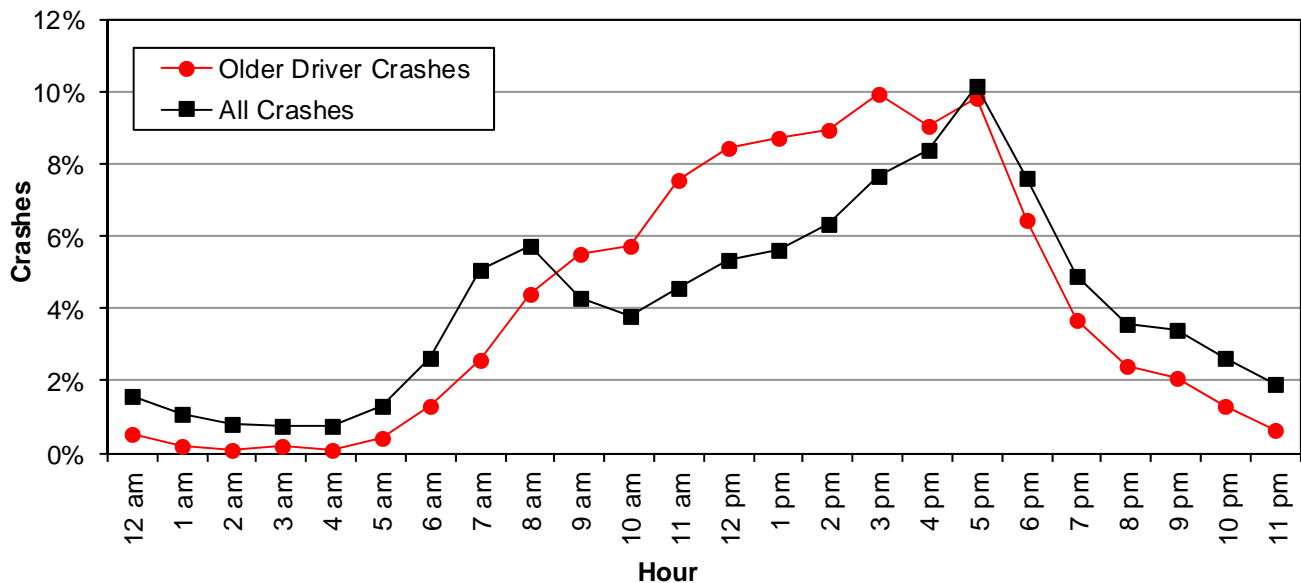


- Overall, the highest percentage of older driver crashes occurred on Friday (17%).
- The highest percentage of fatal older driver crashes occurred on Wednesday (19%).

# Crash Conditions

## Older Driver Crashes by Hour (Utah 2016)

Older (Age 65+) Driver Crashes								
Hour	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Midnight	26	0.5%	15	0.5%	0	0.0%	41	0.5%
1 a.m.	12	0.2%	4	0.1%	0	0.0%	16	0.2%
2 a.m.	5	0.1%	1	0.0%	0	0.0%	6	0.1%
3 a.m.	10	0.2%	3	0.1%	2	4.2%	15	0.2%
4 a.m.	5	0.1%	4	0.1%	0	0.0%	9	0.1%
5 a.m.	23	0.4%	11	0.4%	1	2.1%	35	0.4%
6 a.m.	76	1.4%	31	1.1%	0	0.0%	107	1.3%
7 a.m.	148	2.8%	61	2.2%	1	2.1%	210	2.6%
8 a.m.	223	4.1%	133	4.8%	3	6.3%	359	4.4%
9 a.m.	299	5.6%	151	5.5%	0	0.0%	450	5.5%
10 a.m.	300	5.6%	164	6.0%	3	6.3%	467	5.7%
11 a.m.	396	7.4%	219	8.0%	4	8.3%	619	7.6%
Noon	477	8.9%	208	7.6%	5	10.4%	690	8.4%
1 p.m.	467	8.7%	233	8.5%	12	25.0%	712	8.7%
2 p.m.	478	8.9%	245	8.9%	7	14.6%	730	8.9%
3 p.m.	531	9.9%	279	10.1%	3	6.3%	813	9.9%
4 p.m.	505	9.4%	234	8.5%	1	2.1%	740	9.0%
5 p.m.	491	9.1%	312	11.3%	2	4.2%	805	9.8%
6 p.m.	342	6.4%	186	6.8%	2	4.2%	530	6.5%
7 p.m.	208	3.9%	94	3.4%	0	0.0%	302	3.7%
8 p.m.	134	2.5%	60	2.2%	1	2.1%	195	2.4%
9 p.m.	111	2.1%	58	2.1%	1	2.1%	170	2.1%
10 p.m.	77	1.4%	30	1.1%	0	0.0%	107	1.3%
11 p.m.	34	0.6%	18	0.7%	0	0.0%	52	0.6%
<b>Total</b>	<b>5,378</b>	<b>100.0%</b>	<b>2,754</b>	<b>100.0%</b>	<b>48</b>	<b>100.0%</b>	<b>8,180</b>	<b>100.0%</b>



- Older driver total crashes were highest from 2:00 p.m. to 6:59 p.m.
- Compared to all crashes, older driver crashes occurred more often in the daytime (9:00 a.m.-4:59 p.m.).

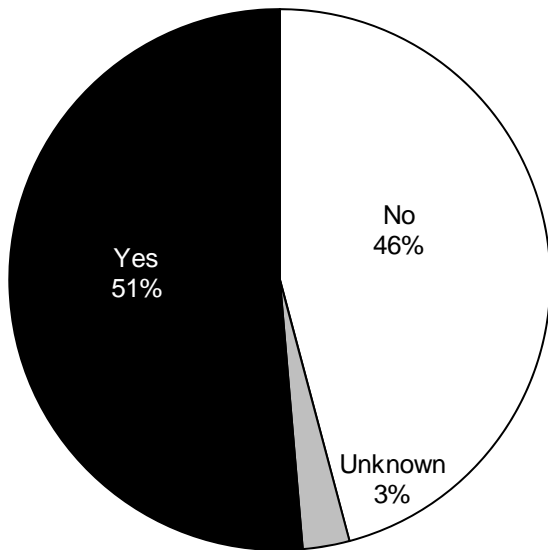


# Crash Conditions

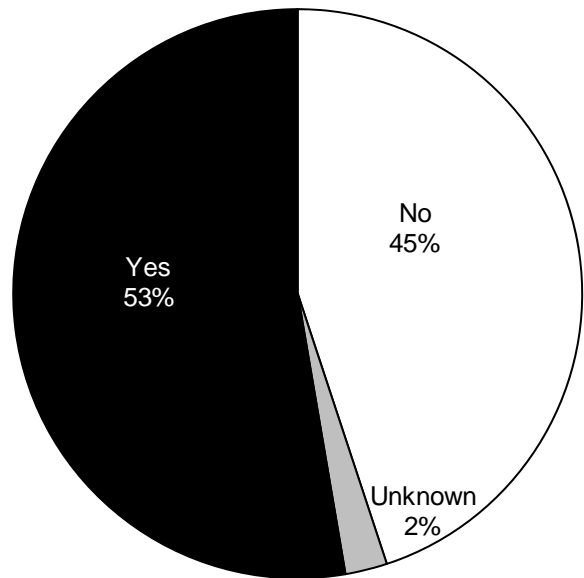
## Older Drivers with Contributing Factors in Crashes (Utah 2016)

Older (Age 65+) Drivers/Vehicles								
Driver/Vehicle with a Contributing Factor(s)	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Yes	2,958	52.0%	1,571	53.7%	33	63.5%	<b>4,562</b>	<b>52.7%</b>
No	2,585	45.5%	1,286	44.0%	19	36.5%	<b>3,890</b>	<b>44.9%</b>
Unknown	140	2.5%	66	2.3%	0	0.0%	<b>206</b>	<b>2.4%</b>
<b>Total</b>	<b>5,683</b>	<b>100.0%</b>	<b>2,923</b>	<b>100.0%</b>	<b>52</b>	<b>100.0%</b>	<b>8,658</b>	<b>100.0%</b>

**All Drivers**



**Older Drivers**



- Some form of poor driver performance is present in the majority of crashes.
- 53% of older drivers had a contributing factor in total crashes.
- Older drivers had a contributing factor in a crash about the same as all drivers.

## Crash Conditions

### Contributing Factors of Older Driver Crashes (Utah 2016)

Older (Age 65+) Drivers/Vehicles								
Contributing Factors	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Failed to Yield Right of Way	851	19.9%	616	26.2%	9	14.8%	1,476	22.1%
Followed Too Closely	465	10.9%	273	11.6%	3	4.9%	741	11.1%
Failed to Keep in Proper Lane	358	8.4%	164	7.0%	1	1.6%	523	7.8%
Disregard Traffic Signal/Sign	195	4.6%	199	8.5%	2	3.3%	396	5.9%
Improper Turn	267	6.3%	107	4.6%	2	3.3%	376	5.6%
Speed Too Fast	223	5.2%	124	5.3%	10	16.4%	357	5.3%
Other Improper Driving	227	5.3%	118	5.0%	0	0.0%	345	5.2%
Driver Distraction	181	4.2%	117	5.0%	3	4.9%	301	4.5%
Improper Lane Change	249	5.8%	46	2.0%	1	1.6%	296	4.4%
Vision Obscured by Weather Condition	153	3.6%	77	3.3%	0	0.0%	230	3.4%
Improper Backing	195	4.6%	12	0.5%	0	0.0%	207	3.1%
Ran Off Road	80	1.9%	64	2.7%	14	23.0%	158	2.4%
Improper Parking/Stopping	104	2.4%	36	1.5%	0	0.0%	140	2.1%
Driver Illness/Medical	56	1.3%	66	2.8%	3	4.9%	125	1.9%
Vision Obscured by Moving Vehicle	63	1.5%	30	1.3%	0	0.0%	93	1.4%
Vision Obscured by Glare	58	1.4%	29	1.2%	0	0.0%	87	1.3%
Driver Asleep/Fatigue	52	1.2%	33	1.4%	1	1.6%	86	1.3%
Swerved or Evasive Action	51	1.2%	28	1.2%	0	0.0%	79	1.2%
Overcorrected	40	0.9%	33	1.4%	5	8.2%	78	1.2%
Vehicle Other Defective Condition	45	1.1%	21	0.9%	0	0.0%	66	1.0%
Driver Condition Other	34	0.8%	23	1.0%	0	0.0%	57	0.9%
Hit and Run	49	1.1%	8	0.3%	0	0.0%	57	0.9%
Driving Under the Influence	27	0.6%	25	1.1%	0	0.0%	52	0.8%
Vision Obscured by Parked Vehicle	37	0.9%	13	0.6%	0	0.0%	50	0.7%
Vision Obscured by Other	33	0.8%	16	0.7%	0	0.0%	49	0.7%
Improper Passing	31	0.7%	5	0.2%	1	1.6%	37	0.6%
Wrong Side/Wrong Way	26	0.6%	11	0.5%	0	0.0%	37	0.6%
Vehicle Brakes	16	0.4%	11	0.5%	1	1.6%	28	0.4%
Disregard Road Markings	15	0.4%	10	0.4%	0	0.0%	25	0.4%
Vehicle Cargo/Trailer Hitch	20	0.5%	4	0.2%	0	0.0%	24	0.4%
Vehicle Tires	15	0.4%	7	0.3%	2	3.3%	24	0.4%
Driver Emotional Prior to Crash	13	0.3%	4	0.2%	0	0.0%	17	0.3%
Reckless/Aggressive Driving	9	0.2%	8	0.3%	0	0.0%	17	0.3%
Vision Obscured by Vegetation	10	0.2%	4	0.2%	3	4.9%	17	0.3%
Vision Obscured by Building, Sign, etc.	7	0.2%	5	0.2%	0	0.0%	12	0.2%
Windshield or Other Window Obscured	9	0.2%	3	0.1%	0	0.0%	12	0.2%
Improper Signal	5	0.1%	1	0.0%	0	0.0%	6	0.1%
<b>Total</b>	<b>4,269</b>	<b>100.0%</b>	<b>2,351</b>	<b>100.0%</b>	<b>61</b>	<b>100.0%</b>	<b>6,681</b>	<b>100.0%</b>

- Some form of poor driver performance is present in the majority of crashes. The leading contributing factors for all older driver crashes were failed to yield right of way (22%), followed too closely (11%), and failed to keep in proper lane (8%).
- The leading contributing factors in fatal older driver crashes were ran off road (23%) and speed too fast (16%).
- Compared to drivers of all ages, older drivers were more likely to have a contributing factor of failure to yield right of way, improper turn, disregard traffic signal/sign, improper lane change, and improper backing.