

Older (Age 65+) Drivers



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Section 7: Older (Age 65+) Drivers

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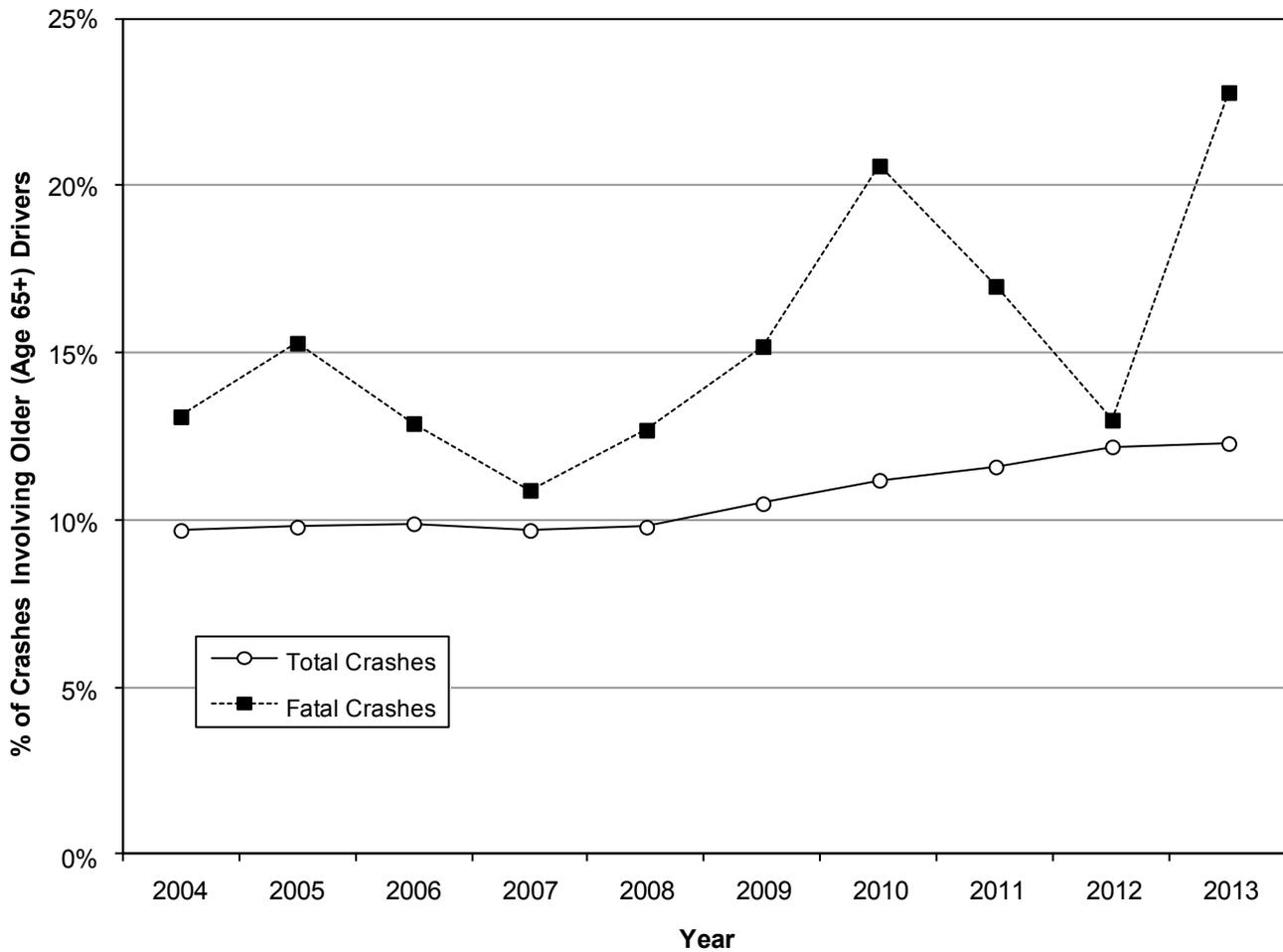
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Trends

Older Driver Crashes (Utah 2004-2013)

Older (Age 65+) Driver Crashes												
Year	Property Damage Only			Injury			Fatal			Total		
	All	Older Driver	%	All	Older Driver	%	All	Older Driver	%	All	Older Driver	%
	#	#	%	#	#	%	#	#	%	#	#	%
2004	34,222	3,170	9.3%	19,423	2,011	10.4%	260	34	13.1%	53,905	5,215	9.7%
2005	35,158	3,344	9.5%	19,545	2,024	10.4%	235	36	15.3%	54,938	5,404	9.8%
2006	37,674	3,508	9.3%	18,264	2,010	11.0%	249	32	12.9%	56,187	5,550	9.9%
2007	42,368	3,937	9.3%	18,619	1,991	10.7%	258	28	10.9%	61,245	5,956	9.7%
2008	38,997	3,620	9.3%	17,125	1,872	10.9%	245	31	12.7%	56,367	5,523	9.8%
2009	35,398	3,552	10.0%	15,752	1,834	11.6%	217	33	15.2%	51,367	5,419	10.5%
2010	34,155	3,658	10.7%	14,995	1,830	12.2%	218	45	20.6%	49,368	5,533	11.2%
2011	36,418	4,108	11.3%	15,645	1,914	12.2%	224	38	17.0%	52,287	6,060	11.6%
2012	34,635	4,043	11.7%	15,765	2,080	13.2%	200	26	13.0%	50,600	6,149	12.2%
2013	39,301	4,627	11.8%	16,134	2,182	13.5%	202	46	22.8%	55,637	6,855	12.3%
Total	368,326	37,567	10.2%	171,267	19,748	11.5%	2,308	349	15.1%	541,901	57,664	10.6%



- Older drivers (aged 65+ years) are a special concern because of their declining health and fragility.
- The 10-year trend shows that 10.6% of all crashes in Utah involved an older driver with an increasing trend over the last 5 years. Fatal older driver crashes have fluctuated around the 10-year average of 15.1% of fatal crashes. In 2013, older drivers were in nearly one-fourth (22.8%) of the fatal crashes.

Crash Conditions

Older Driver Crashes by County (Utah 2013)

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	
	#	#	%	#	#	%	#	#	%	#	#	%
Daggett	26	9	34.6%	9	3	33.3%	0	0	n/a	35	12	34.3%
Washington	1,334	285	21.4%	724	155	21.4%	13	4	30.8%	2,071	444	21.4%
Kane	143	28	19.6%	36	7	19.4%	2	1	50.0%	181	36	19.9%
Carbon	272	42	15.4%	70	12	17.1%	4	1	25.0%	346	55	15.9%
Garfield	105	17	16.2%	27	4	14.8%	2	0	0.0%	134	21	15.7%
Weber	2,747	399	14.5%	1,416	238	16.8%	18	1	5.6%	4,181	638	15.3%
Beaver	185	26	14.1%	62	10	16.1%	3	1	33.3%	250	37	14.8%
Piute	18	2	11.1%	3	1	33.3%	0	0	n/a	21	3	14.3%
Juab	199	32	16.1%	71	7	9.9%	3	0	0.0%	273	39	14.3%
Emery	177	23	13.0%	63	10	15.9%	5	2	40.0%	245	35	14.3%
Cache	1,441	189	13.1%	483	71	14.7%	9	4	44.4%	1,933	264	13.7%
Grand	125	18	14.4%	83	9	10.8%	3	1	33.3%	211	28	13.3%
Millard	260	28	10.8%	95	18	18.9%	7	2	28.6%	362	48	13.3%
Davis	3,633	444	12.2%	1,444	210	14.5%	11	2	18.2%	5,088	656	12.9%
Sanpete	198	20	10.1%	92	15	16.3%	6	3	50.0%	296	38	12.8%
San Juan	214	28	13.1%	54	5	9.3%	5	2	40.0%	273	35	12.8%
Sevier	229	26	11.4%	103	14	13.6%	5	2	40.0%	337	42	12.5%
Box Elder	720	79	11.0%	311	47	15.1%	4	2	50.0%	1,035	128	12.4%
Iron	594	73	12.3%	219	26	11.9%	8	0	0.0%	821	99	12.1%
Wasatch	428	50	11.7%	139	15	10.8%	3	2	66.7%	570	67	11.8%
Salt Lake	18,201	2,004	11.0%	7,430	927	12.5%	52	10	19.2%	25,683	2,941	11.5%
Utah	5,237	551	10.5%	2,368	284	12.0%	20	3	15.0%	7,625	838	11.0%
Summit	927	91	9.8%	216	29	13.4%	3	2	66.7%	1,146	122	10.6%
Duchesne	358	34	9.5%	114	16	14.0%	4	0	0.0%	476	50	10.5%
Tooele	772	77	10.0%	272	30	11.0%	8	1	12.5%	1,052	108	10.3%
Rich	42	4	9.5%	28	3	10.7%	0	0	n/a	70	7	10.0%
Morgan	162	14	8.6%	32	4	12.5%	0	0	n/a	194	18	9.3%
Uintah	511	31	6.1%	163	12	7.4%	2	0	0.0%	676	43	6.4%
Wayne	43	3	7.0%	7	0	0.0%	2	0	0.0%	52	3	5.8%
Statewide	39,301	4,627	11.8%	16,134	2,182	13.5%	202	46	22.8%	55,637	6,855	12.3%

- Overall, Daggett (34.3%), Washington (21.4%), and Kane (19.9%) counties had the highest percentages of crashes involving an older driver.
- Summit (66.7%), Wasatch (66.7%), Sanpete (50.0%), Box Elder (50.0%), and Kane (50.0%) counties had the highest percentages of fatal crashes involving an older driver.
- Overall, Wayne (5.8%), Uintah (6.4%), and Morgan (9.3%) counties had the lowest percentages of crashes involving an older driver.
- Statewide, older driver crashes represented 12.3% of all crashes and 22.8% of all fatal crashes.

Crash Conditions

Gender of Older Drivers in Crashes (Utah 2013)

Older (Age 65+) Drivers								
Gender	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Male	2,975	61.2%	1,301	56.1%	35	70.0%	4,311	59.7%
Female	1,872	38.5%	1,012	43.7%	15	30.0%	2,899	40.1%
Unknown	12	0.2%	5	0.2%	0	0.0%	17	0.2%
Total	4,859	100.0%	2,318	100.0%	50	100.0%	7,227	100.0%

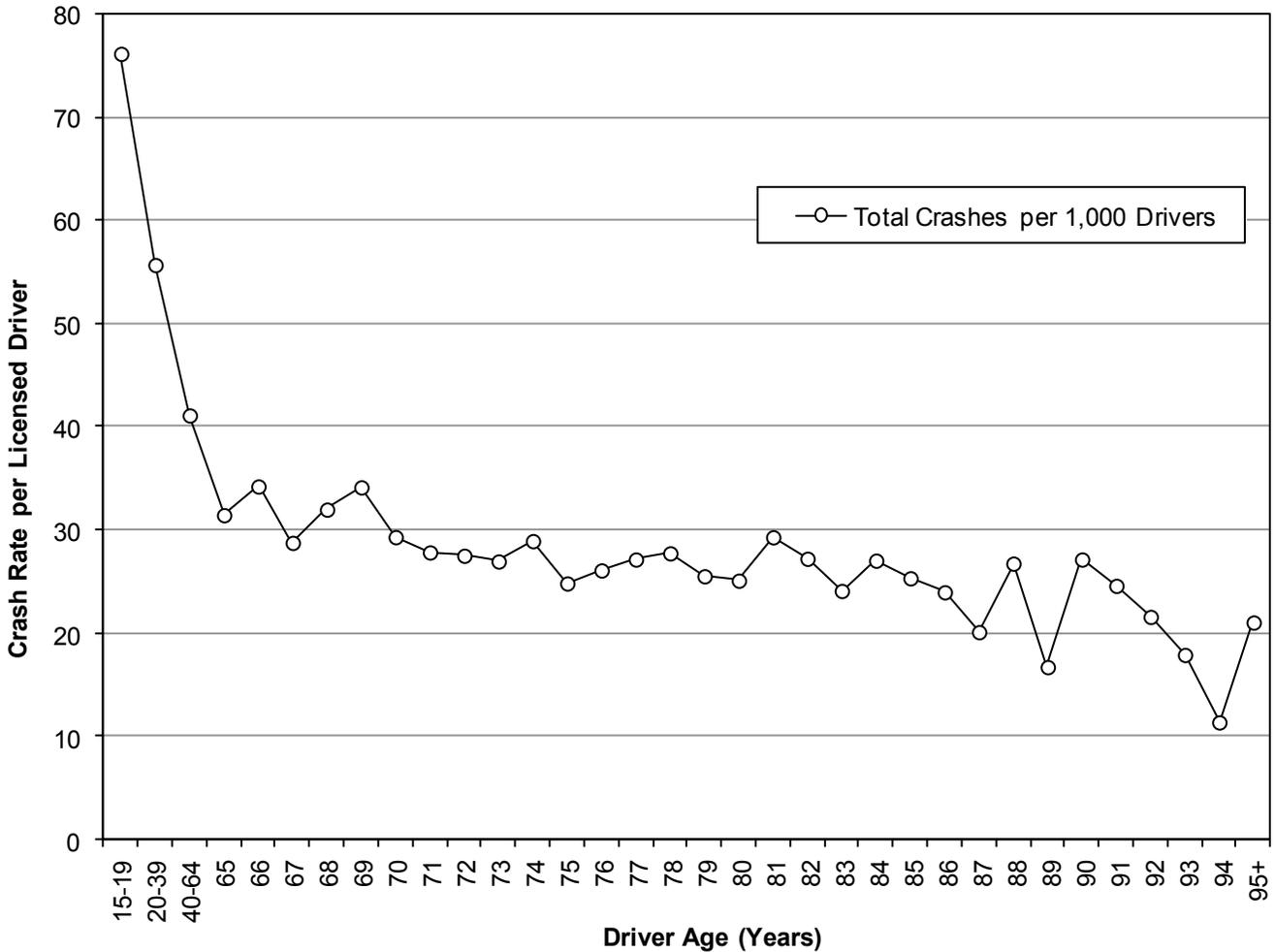
- The majority of older drivers in all motor vehicle crashes (59.7%) and fatal crashes (70.0%) were male.

Age of Older Drivers in Crashes (Utah 2013)

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	461	9.5%	22.2	189	8.2%	9.1	2	4.0%	0.096	652	9.0%	31.4
66	468	9.6%	22.1	253	10.9%	12.0	2	4.0%	0.095	723	10.0%	34.2
67	347	7.1%	19.2	167	7.2%	9.3	4	8.0%	0.222	518	7.2%	28.7
68	317	6.5%	21.1	162	7.0%	10.8	2	4.0%	0.133	481	6.7%	32.0
69	346	7.1%	22.8	169	7.3%	11.1	3	6.0%	0.198	518	7.2%	34.1
70	308	6.3%	19.6	149	6.4%	9.5	4	8.0%	0.254	461	6.4%	29.3
71	266	5.5%	18.4	132	5.7%	9.2	3	6.0%	0.208	401	5.5%	27.8
72	229	4.7%	18.2	114	4.9%	9.1	3	6.0%	0.238	346	4.8%	27.5
73	220	4.5%	18.8	94	4.1%	8.0	2	4.0%	0.170	316	4.4%	26.9
74	215	4.4%	20.0	93	4.0%	8.7	2	4.0%	0.186	310	4.3%	28.9
75	173	3.6%	16.6	83	3.6%	8.0	2	4.0%	0.192	258	3.6%	24.8
76	164	3.4%	17.2	85	3.7%	8.9	0	0.0%	0.000	249	3.4%	26.1
77	154	3.2%	17.1	87	3.8%	9.7	3	6.0%	0.333	244	3.4%	27.1
78	161	3.3%	19.0	73	3.1%	8.6	1	2.0%	0.118	235	3.3%	27.7
79	141	2.9%	17.7	62	2.7%	7.8	0	0.0%	0.000	203	2.8%	25.5
80	124	2.6%	18.0	45	1.9%	6.5	4	8.0%	0.580	173	2.4%	25.1
81	133	2.7%	20.3	58	2.5%	8.8	1	2.0%	0.152	192	2.7%	29.3
82	123	2.5%	19.9	45	1.9%	7.3	0	0.0%	0.000	168	2.3%	27.2
83	75	1.5%	13.1	59	2.5%	10.3	4	8.0%	0.698	138	1.9%	24.1
84	86	1.8%	17.6	44	1.9%	9.0	2	4.0%	0.409	132	1.8%	27.0
85	72	1.5%	16.4	38	1.6%	8.7	1	2.0%	0.228	111	1.5%	25.3
86	61	1.3%	16.0	30	1.3%	7.9	0	0.0%	0.000	91	1.3%	23.9
87	41	0.8%	12.9	22	0.9%	6.9	1	2.0%	0.314	64	0.9%	20.1
88	55	1.1%	20.7	15	0.6%	5.6	1	2.0%	0.376	71	1.0%	26.7
89	24	0.5%	11.1	11	0.5%	5.1	1	2.0%	0.463	36	0.5%	16.7
90	32	0.7%	18.5	14	0.6%	8.1	1	2.0%	0.577	47	0.7%	27.1
91	18	0.4%	14.3	13	0.6%	10.3	0	0.0%	0.000	31	0.4%	24.6
92	16	0.3%	15.7	5	0.2%	4.9	1	2.0%	0.979	22	0.3%	21.5
93	11	0.2%	15.1	2	0.1%	2.7	0	0.0%	0.000	13	0.2%	17.9
94	5	0.1%	11.3	0	0.0%	0.0	0	0.0%	0.000	5	0.1%	11.3
95+	13	0.3%	15.2	5	0.2%	5.8	0	0.0%	0.000	18	0.2%	21.0
Total	4,859	100.0%	19.2	2,318	100.0%	9.2	50	100.0%	0.197	7,227	100.0%	28.5

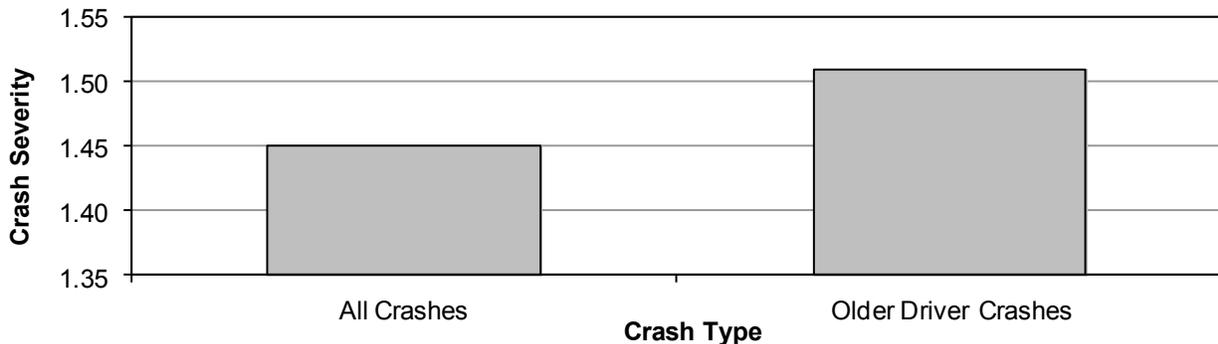
Crash Conditions

Crash Rate of Licensed Drivers by Age (Utah 2013)



- 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 2013)



- Older driver crashes were 18% more likely to result in injury or death compared to all other crashes.

Crash Conditions

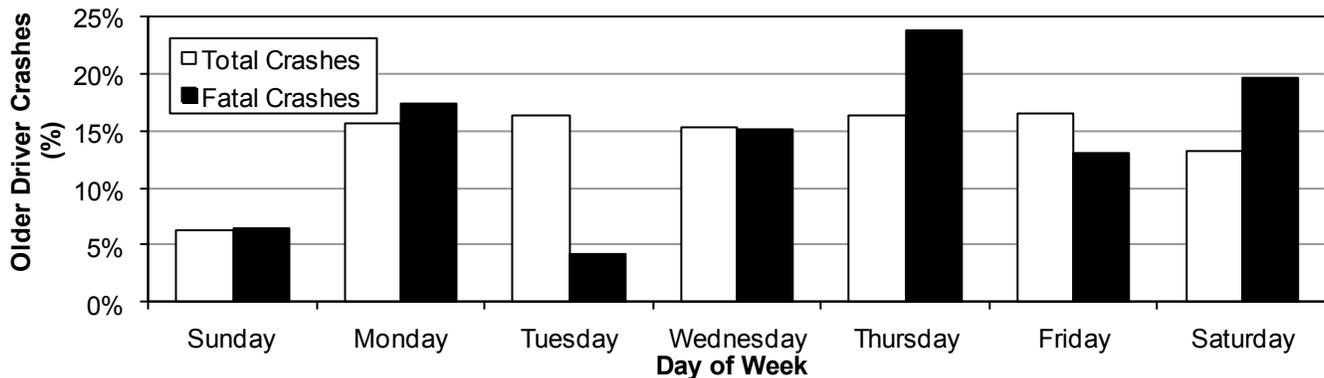
Older Driver Crashes by Month (Utah 2013)

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	439	14.2	156	5.0	1	0.03	596	19.2
February	313	11.2	137	4.9	3	0.11	453	16.2
March	264	8.5	143	4.6	4	0.13	411	13.3
April	313	10.4	150	5.0	4	0.13	467	15.6
May	344	11.1	187	6.0	2	0.06	533	17.2
June	326	10.9	205	6.8	3	0.10	534	17.8
July	414	13.4	176	5.7	7	0.23	597	19.3
August	385	12.4	209	6.7	8	0.26	602	19.4
September	411	13.7	189	6.3	4	0.13	604	20.1
October	451	14.5	228	7.4	3	0.10	682	22.0
November	421	14.0	189	6.3	5	0.17	615	20.5
December	546	17.6	213	6.9	2	0.06	761	24.5
Total	4,627	12.7	2,182	6.0	46	0.13	6,855	18.8

- Overall, December (24.5) and October (22.0) had the highest rates per day for older driver crashes.
- The highest rate per day of fatal older driver crashes occurred in August and July.

Older Driver Crashes by Day of Week (Utah 2013)

Older (Age 65+) Driver Crashes								
Day of Week	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Sunday	275	5.9%	154	7.1%	3	6.5%	432	6.3%
Monday	736	15.9%	331	15.2%	8	17.4%	1,075	15.7%
Tuesday	779	16.8%	346	15.9%	2	4.3%	1,127	16.4%
Wednesday	705	15.2%	334	15.3%	7	15.2%	1,046	15.3%
Thursday	739	16.0%	376	17.2%	11	23.9%	1,126	16.4%
Friday	787	17.0%	345	15.8%	6	13.0%	1,138	16.6%
Saturday	606	13.1%	296	13.6%	9	19.6%	911	13.3%
Total	4,627	100.0%	2,182	100.0%	46	100.0%	6,855	100.0%

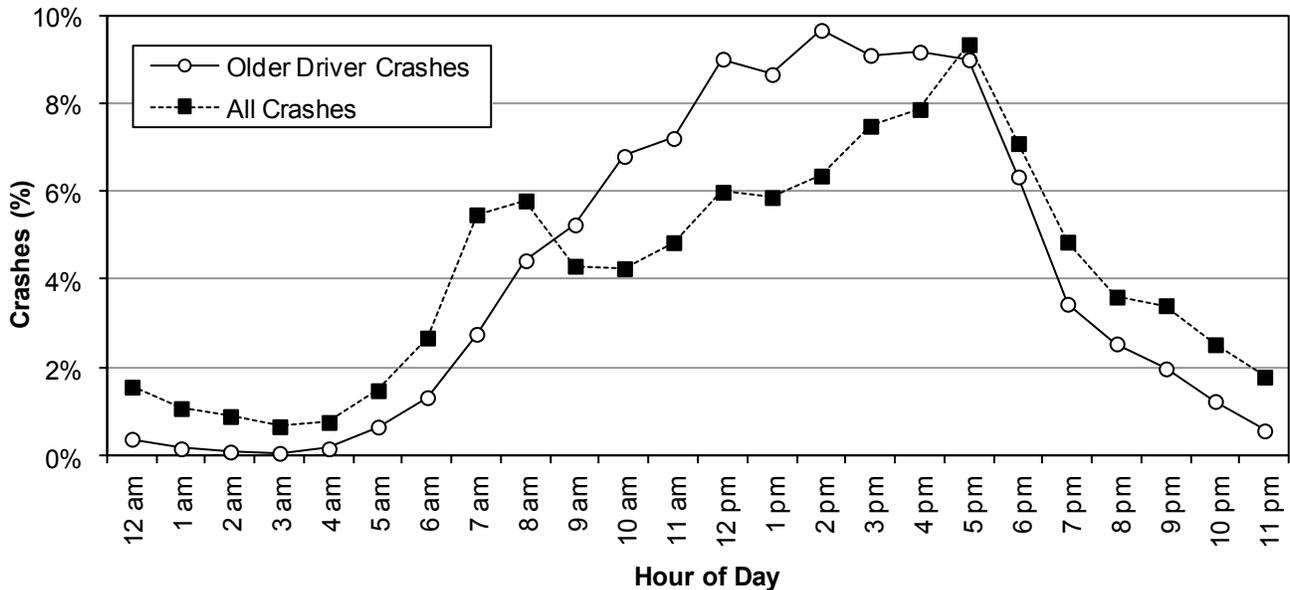


- Overall, the highest percentage of older driver crashes occurred on Friday (16.6%).
- The highest percentage of fatal older driver crashes occurred on Thursday (23.9%).

Crash Conditions

Older Driver Crashes by Hour (Utah 2013)

Older (Age 65+) Driver Crashes									
Hour	PDO Crashes		Injury Crashes		Fatal Crashes		Total		
	#	%	#	%	#	%	#	%	
Midnight	19	0.4%	5	0.2%	1	2.2%	25	0.4%	
1 a.m.	8	0.2%	2	0.1%	0	0.0%	10	0.1%	
2 a.m.	2	0.0%	3	0.1%	0	0.0%	5	0.1%	
3 a.m.	2	0.0%	1	0.0%	0	0.0%	3	0.0%	
4 a.m.	6	0.1%	4	0.2%	0	0.0%	10	0.1%	
5 a.m.	28	0.6%	16	0.7%	0	0.0%	44	0.6%	
6 a.m.	67	1.4%	22	1.0%	1	2.2%	90	1.3%	
7 a.m.	131	2.8%	57	2.6%	1	2.2%	189	2.8%	
8 a.m.	201	4.3%	101	4.6%	2	4.3%	304	4.4%	
9 a.m.	251	5.4%	105	4.8%	4	8.7%	360	5.3%	
10 a.m.	309	6.7%	153	7.0%	5	10.9%	467	6.8%	
11 a.m.	316	6.8%	175	8.0%	4	8.7%	495	7.2%	
Noon	427	9.2%	187	8.6%	5	10.9%	619	9.0%	
1 p.m.	396	8.6%	192	8.8%	7	15.2%	595	8.7%	
2 p.m.	463	10.0%	199	9.1%	2	4.3%	664	9.7%	
3 p.m.	406	8.8%	215	9.9%	4	8.7%	625	9.1%	
4 p.m.	415	9.0%	210	9.6%	5	10.9%	630	9.2%	
5 p.m.	415	9.0%	202	9.3%	1	2.2%	618	9.0%	
6 p.m.	281	6.1%	152	7.0%	2	4.3%	435	6.3%	
7 p.m.	173	3.7%	62	2.8%	1	2.2%	236	3.4%	
8 p.m.	125	2.7%	48	2.2%	1	2.2%	174	2.5%	
9 p.m.	103	2.2%	32	1.5%	0	0.0%	135	2.0%	
10 p.m.	54	1.2%	30	1.4%	0	0.0%	84	1.2%	
11 p.m.	29	0.6%	9	0.4%	0	0.0%	38	0.6%	
Total	4,627	100.0%	2,182	100.0%	46	100.0%	6,855	100.0%	



- Older driver total crashes were highest from 12:00 p.m. to 5:59 p.m.
- Compared to all crashes, older driver crashes occurred more often in the afternoon and less often at night.

Crash Conditions

Contributing Factors of Older Driver Crashes (Utah 2013)

Older (Age 65+) Drivers/Vehicles								
Contributing Factors	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Failed to Yield Right of Way	704	18.7%	437	23.5%	7	13.2%	1,148	20.2%
Followed Too Closely	385	10.2%	218	11.7%	0	0.0%	603	10.6%
Failed to Keep in Proper Lane	315	8.4%	142	7.6%	15	28.3%	472	8.3%
Other Improper Driving	242	6.4%	96	5.2%	0	0.0%	338	6.0%
Disregard Traffic Signal/Sign	150	4.0%	166	8.9%	4	7.5%	320	5.6%
Improper Turn	238	6.3%	78	4.2%	2	3.8%	318	5.6%
Speed Too Fast	206	5.5%	86	4.6%	12	22.6%	304	5.4%
Improper Backing	250	6.6%	13	0.7%	0	0.0%	263	4.6%
Driver Distraction	161	4.3%	99	5.3%	2	3.8%	262	4.6%
Improper Lane Change	201	5.3%	47	2.5%	0	0.0%	248	4.4%
Vision Obscured by Weather Condition	144	3.8%	58	3.1%	1	1.9%	203	3.6%
Ran Off Road	75	2.0%	77	4.1%	3	5.7%	155	2.7%
Improper Parking/Stopping	68	1.8%	24	1.3%	0	0.0%	92	1.6%
Driver Illness/Medical	33	0.9%	49	2.6%	1	1.9%	83	1.5%
Driver Asleep/Fatigue	42	1.1%	39	2.1%	1	1.9%	82	1.4%
Overcorrected	41	1.1%	36	1.9%	2	3.8%	79	1.4%
Hit and Run	71	1.9%	7	0.4%	0	0.0%	78	1.4%
Vehicle Other Defective Condition	43	1.1%	21	1.1%	0	0.0%	64	1.1%
Vision Obscured by Moving Vehicle	39	1.0%	25	1.3%	0	0.0%	64	1.1%
Swerved or Evasive Action	41	1.1%	20	1.1%	0	0.0%	61	1.1%
Other Driver Condition	40	1.1%	18	1.0%	0	0.0%	58	1.0%
Vision Obscured by Glare	37	1.0%	18	1.0%	0	0.0%	55	1.0%
Vision Obscured by Parked Vehicle	29	0.8%	11	0.6%	0	0.0%	40	0.7%
Vision Obscured by Other	29	0.8%	10	0.5%	0	0.0%	39	0.7%
Driving Under the Influence	22	0.6%	15	0.8%	0	0.0%	37	0.7%
Improper Passing	31	0.8%	5	0.3%	0	0.0%	36	0.6%
Wrong Side/Wrong Way	19	0.5%	11	0.6%	2	3.8%	32	0.6%
Vehicle Brakes	19	0.5%	9	0.5%	0	0.0%	28	0.5%
Vehicle Tires	18	0.5%	6	0.3%	0	0.0%	24	0.4%
Disregard Road Markings	15	0.4%	3	0.2%	0	0.0%	18	0.3%
Vision Obscured by Building, Sign, etc.	6	0.2%	8	0.4%	0	0.0%	14	0.2%
Vision Obscured by Vegetation	8	0.2%	4	0.2%	0	0.0%	12	0.2%
Windshield or Other Window Obscured	12	0.3%	0	0.0%	0	0.0%	12	0.2%
Vehicle Cargo	10	0.3%	0	0.0%	1	1.9%	11	0.2%
Driver Emotional Prior to Crash	6	0.2%	4	0.2%	0	0.0%	10	0.2%
Reckless/Aggressive Driving	5	0.1%	2	0.1%	0	0.0%	7	0.1%
Improper Signal	6	0.2%	0	0.0%	0	0.0%	6	0.1%
Total	3,761	100.0%	1,862	100.0%	53	100.0%	5,676	100.0%

- 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 (20.2%), followed too closely (10.6%), and failed to keep in proper lane (8.3%).
- The leading contributing factors in fatal older driver crashes were failed to keep in proper lane (28.3%), and speed too fast (22.6%).
- 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, and improper backing.