

Alcohol-Impaired Drivers



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Section 3: Alcohol-Impaired Drivers

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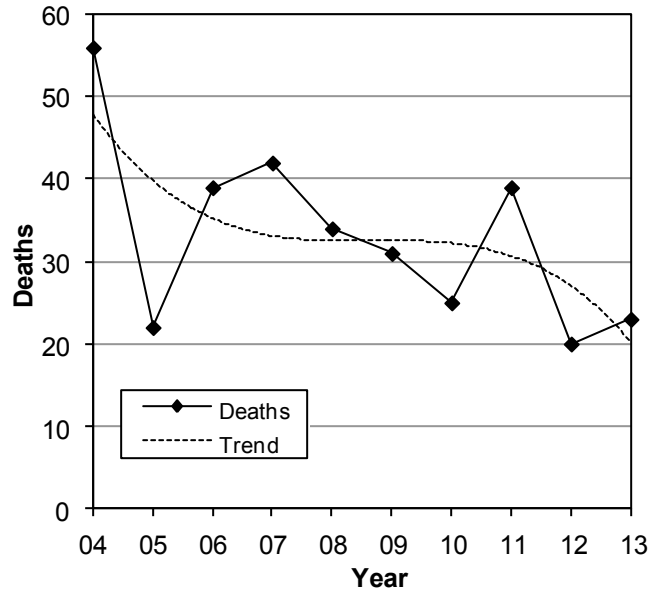
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Trends

Fatal Crashes Involving Alcohol-Impaired Drivers (Utah 2004-2013)

Alcohol-Impaired Driver Crashes						
Year	Deaths			Fatal Crashes		
	All	Alcohol	%	All	Alcohol	%
	#	#	%	#	#	%
2004	296	56	18.9%	260	50	19.2%
2005	282	22	7.8%	235	21	8.9%
2006	287	39	13.6%	249	32	12.9%
2007	299	42	14.0%	260	37	14.2%
2008	276	34	12.3%	244	32	13.1%
2009	244	31	12.7%	217	28	12.9%
2010	253	25	9.9%	218	24	11.0%
2011	243	39	16.0%	224	33	14.7%
2012	217	20	9.2%	200	19	9.5%
2013	220	23	10.5%	202	23	11.4%
Total	2,617	331	12.6%	2,309	299	12.9%



- Over the past 10 years, the percentage of deaths and fatal crashes involving alcohol-impaired drivers has fluctuated around 13% of all deaths and fatal crashes.
- On average, 33 people die a year in Utah from alcohol-impaired driver crashes.

Deaths Involving Alcohol-Impaired Drivers (Utah 2004-2013)

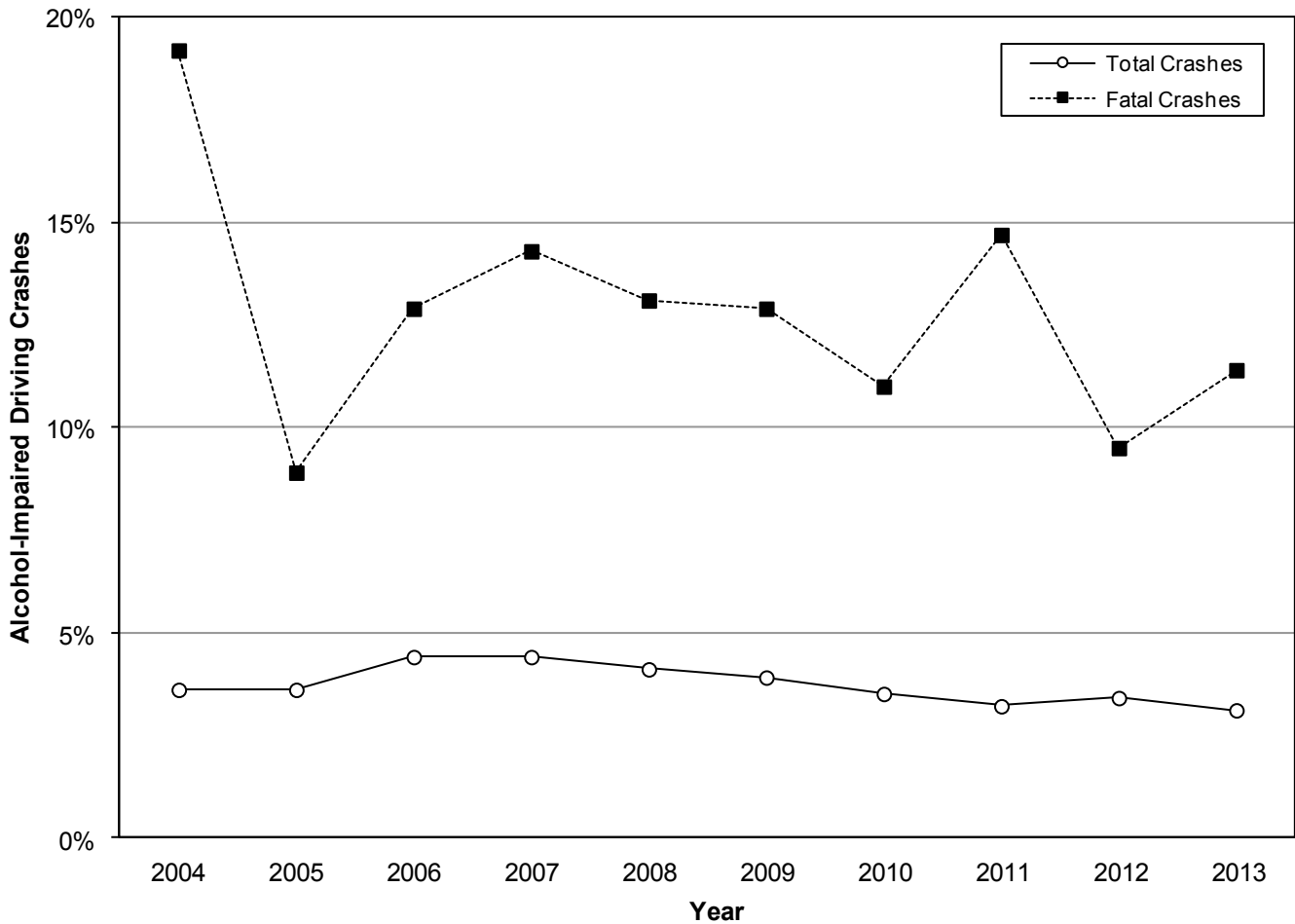
Deaths Involving Alcohol-Impaired Drivers by Person Type of Fatality														
Year	Drunk Driver		Passenger of Drunk Driver		Driver of Another Vehicle		Passenger of Another Vehicle		Pedestrian		Bicyclist		Total	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
2004	32	57.1%	12	21.4%	8	14.3%	3	5.4%	1	1.8%	0	0.0%	56	100.0%
2005	13	59.1%	6	27.3%	1	4.5%	0	0.0%	1	4.5%	1	4.5%	22	100.0%
2006	22	56.4%	7	17.9%	3	7.7%	6	15.4%	1	2.6%	0	0.0%	39	100.0%
2007	24	57.1%	9	21.4%	3	7.1%	4	9.5%	2	4.8%	0	0.0%	42	100.0%
2008	24	70.6%	8	23.5%	1	2.9%	1	2.9%	0	0.0%	0	0.0%	34	100.0%
2009	20	64.5%	6	19.4%	3	9.7%	1	3.2%	1	3.2%	0	0.0%	31	100.0%
2010	19	76.0%	3	12.0%	1	4.0%	0	0.0%	2	8.0%	0	0.0%	25	100.0%
2011	26	66.7%	7	17.9%	4	10.3%	1	2.6%	1	2.6%	0	0.0%	39	100.0%
2012	11	55.0%	3	15.0%	3	15.0%	3	15.0%	0	0.0%	0	0.0%	20	100.0%
2013	17	73.9%	4	17.4%	1	4.3%	0	0.0%	1	4.3%	0	0.0%	23	100.0%
Total	208	62.8%	65	19.6%	28	8.5%	19	5.7%	10	3.0%	1	0.3%	331	100.0%

- Of the 23 alcohol-impaired driver crash deaths in 2013, 17 (74%) were to the drunk driver and 4 (17%) deaths were to passengers of the drunk driver.
- Over the past 10 years, 63% of deaths involving alcohol-impaired drivers were to the drunk driver, 20% of deaths were to passengers of the drunk driver, 14% of deaths were to occupants of another vehicle in the crash, and 3% were to non-motorists.

Trends

Alcohol-Impaired Driver Crashes (Utah 2004-2013)

Year	Property Damage Only			Injury			Fatal			Total		
	All	Alcohol		All	Alcohol		All	Alcohol		All	Alcohol	
	#	#	%	#	#	%	#	#	%	#	#	%
2004	34,222	878	2.6%	19,423	1,020	5.3%	260	50	19.2%	53,905	1,948	3.6%
2005	35,158	898	2.6%	19,545	1,058	5.4%	235	21	8.9%	54,938	1,977	3.6%
2006	37,674	1,261	3.3%	18,264	1,195	6.5%	249	32	12.9%	56,187	2,488	4.4%
2007	42,368	1,441	3.4%	18,619	1,240	6.7%	258	37	14.3%	61,245	2,718	4.4%
2008	38,997	1,217	3.1%	17,125	1,081	6.3%	245	32	13.1%	56,367	2,330	4.1%
2009	35,398	1,108	3.1%	15,752	883	5.6%	217	28	12.9%	51,367	2,019	3.9%
2010	34,155	897	2.6%	14,995	802	5.3%	218	24	11.0%	49,368	1,723	3.5%
2011	36,418	910	2.5%	15,645	719	4.6%	224	33	14.7%	52,287	1,662	3.2%
2012	34,635	970	2.8%	15,765	738	4.7%	200	19	9.5%	50,600	1,727	3.4%
2013	39,301	953	2.4%	16,134	760	4.7%	202	23	11.4%	55,637	1,736	3.1%
Total	368,326	10,533	2.9%	171,267	9,496	5.5%	2,308	299	13.0%	541,901	20,328	3.8%



- Over the past 10 years, 3.8% of total crashes involved alcohol-impaired drivers compared with 13.0% of fatal crashes.
- Over the past 10 years, alcohol-impaired driver crashes were 3.9 times more likely to be fatal than crashes not involving an alcohol-impaired driver.

Crash Conditions

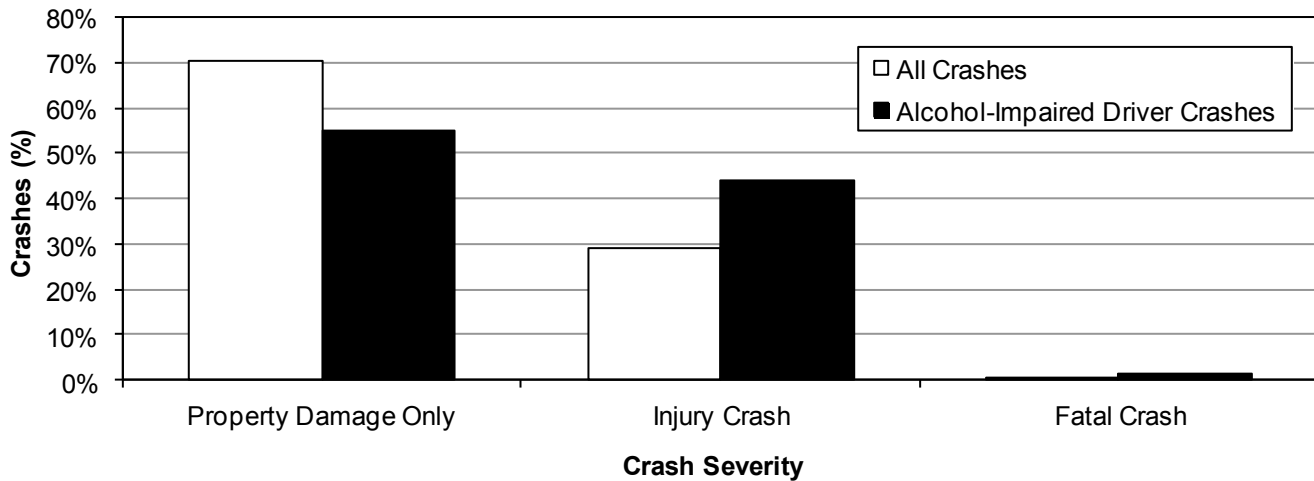
Alcohol-Impaired Driver Crashes by County (Utah 2013)

Alcohol-Impaired Driver Crashes								
County	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	Rate per 100 Million VMT	#	Rate per 100 Million VMT	#	Rate per 100 Million VMT	#	Rate per 100 Million VMT
Daggett	2	6.5	2	6.5	0	0.00	4	12.9
Duchesne	12	4.3	12	4.3	3	1.08	27	9.7
Uintah	20	4.8	20	4.8	0	0.00	40	9.5
Salt Lake	517	5.8	312	3.5	3	0.03	832	9.4
Weber	68	4.2	65	4.0	1	0.06	134	8.3
Garfield	4	3.7	3	2.8	1	0.93	8	7.4
Tooele	27	3.3	30	3.7	1	0.12	58	7.1
Summit	26	3.5	20	2.7	0	0.00	46	6.2
Wasatch	7	2.1	12	3.6	0	0.00	19	5.7
Sevier	7	2.2	10	3.2	0	0.00	17	5.5
Morgan	5	3.8	2	1.5	0	0.00	7	5.3
San Juan	6	1.9	10	3.2	0	0.00	16	5.1
Cache	26	3.0	16	1.8	2	0.23	44	5.0
Grand	8	2.4	7	2.1	1	0.30	16	4.8
Sanpete	1	0.5	9	4.3	0	0.00	10	4.7
Iron	14	1.9	19	2.6	1	0.14	34	4.7
Washington	30	2.1	33	2.3	2	0.14	65	4.6
Box Elder	16	1.8	24	2.7	0	0.00	40	4.5
Kane	1	0.6	6	3.7	0	0.00	7	4.3
Utah	83	2.1	78	2.0	3	0.08	164	4.1
Rich	1	2.0	1	2.0	0	0.00	2	4.1
Davis	56	2.2	43	1.7	2	0.08	101	4.0
Millard	9	1.8	6	1.2	1	0.20	16	3.3
Beaver	4	1.5	4	1.5	0	0.00	8	3.0
Carbon	2	0.6	5	1.6	1	0.32	8	2.6
Emery	0	0.0	7	2.0	0	0.00	7	2.0
Juab	1	0.3	4	1.0	1	0.26	6	1.5
Piute	0	0.0	0	0.0	0	0.00	0	0.0
Wayne	0	0.0	0	0.0	0	0.00	0	0.0
Statewide	953	3.5	760	2.8	23	0.09	1,736	6.4

- Daggett (12.9), Duchesne (9.7), Uintah (9.5), and Salt Lake (9.4) counties had the highest rates of alcohol-impaired driver total crashes per 100 million vehicle miles traveled.
- Piute (0.0), Wayne (0.0), Juab (1.5), and Emery (2.0) counties had the lowest rates of alcohol-impaired driver total crashes per 100 million vehicle miles traveled.

Crash Conditions

Alcohol-Impaired Driver Crash Severity (Utah 2013)



- Alcohol-impaired driver crashes were more likely to have a death or injury than other crashes.
- A higher percentage of alcohol-impaired driver crashes (43.8%) resulted in an injury compared to all motor vehicle crashes that resulted in an injury (29.0%).
- In addition, a higher percentage of alcohol-impaired driver crashes were fatal (1.3%) compared to all motor vehicle crashes (0.4%).

Alcohol-Impaired Driver Crashes by Month (Utah 2013)

Alcohol-Impaired Driver Crashes								
Month	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	Rate per Day	#	Rate per Day	#	Rate per Day	#	Rate per Day
January	75	2.4	48	1.5	0	0.00	123	4.0
February	67	2.4	43	1.5	2	0.07	112	4.0
March	63	2.0	79	2.5	1	0.03	143	4.6
April	78	2.6	49	1.6	4	0.13	131	4.4
May	68	2.2	64	2.1	1	0.03	133	4.3
June	80	2.7	65	2.2	2	0.07	147	4.9
July	84	2.7	72	2.3	4	0.13	160	5.2
August	99	3.2	82	2.6	2	0.06	183	5.9
September	83	2.8	60	2.0	2	0.07	145	4.8
October	84	2.7	62	2.0	3	0.10	149	4.8
November	65	2.2	69	2.3	2	0.07	136	4.5
December	107	3.5	67	2.2	0	0.00	174	5.6
Total	953	2.6	760	2.1	23	0.06	1,736	4.8

- Overall, the highest rates per day of alcohol-impaired driver crashes were in August (5.9), December (5.6), and July (5.2) with the lowest rate per day in January (4.0) and February (4.0).
- The highest rate per day of fatal alcohol-impaired driver crashes occurred in April and July.

Crash Conditions

Alcohol-Impaired Driver Crashes by Day of Week (Utah 2013)

Alcohol-Impaired Driver Crashes								
Day of Week	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Sunday	187	19.6%	143	18.8%	5	21.7%	335	19.3%
Monday	90	9.4%	79	10.4%	2	8.7%	171	9.9%
Tuesday	106	11.1%	96	12.6%	4	17.4%	206	11.9%
Wednesday	89	9.3%	65	8.6%	3	13.0%	157	9.0%
Thursday	105	11.0%	85	11.2%	3	13.0%	193	11.1%
Friday	132	13.9%	126	16.6%	3	13.0%	261	15.0%
Saturday	244	25.6%	166	21.8%	3	13.0%	413	23.8%
Total	953	100.0%	760	100.0%	23	100.0%	1,736	100.0%

- The highest percentage of alcohol-impaired driver total crashes occurred on Saturday and Sunday.
- The highest percentage of alcohol-impaired driver fatal crashes occurred on Sunday and Tuesday.

Alcohol-Impaired Driver Crashes by Hour (Utah 2013)

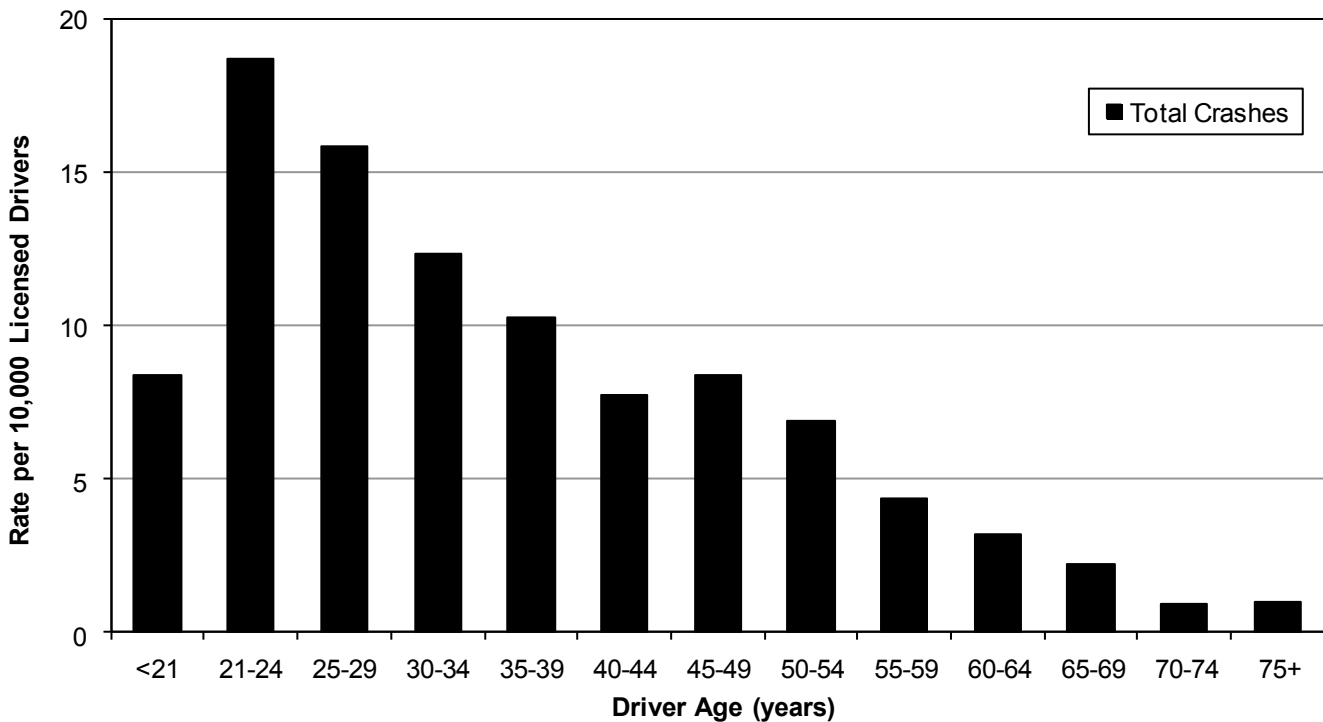
Alcohol-Impaired Driver Crashes								
Hour	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Midnight	69	7.2%	47	6.2%	0	0.0%	116	6.7%
1 a.m.	74	7.8%	50	6.6%	3	13.0%	127	7.3%
2 a.m.	68	7.1%	42	5.5%	2	8.7%	112	6.5%
3 a.m.	52	5.5%	25	3.3%	0	0.0%	77	4.4%
4 a.m.	30	3.1%	17	2.2%	0	0.0%	47	2.7%
5 a.m.	25	2.6%	20	2.6%	1	4.3%	46	2.6%
6 a.m.	24	2.5%	21	2.8%	0	0.0%	45	2.6%
7 a.m.	22	2.3%	23	3.0%	2	8.7%	47	2.7%
8 a.m.	14	1.5%	16	2.1%	1	4.3%	31	1.8%
9 a.m.	11	1.2%	13	1.7%	0	0.0%	24	1.4%
10 a.m.	17	1.8%	10	1.3%	0	0.0%	27	1.6%
11 a.m.	19	2.0%	13	1.7%	1	4.3%	33	1.9%
Noon	17	1.8%	10	1.3%	0	0.0%	27	1.6%
1 p.m.	29	3.0%	16	2.1%	1	4.3%	46	2.6%
2 p.m.	21	2.2%	19	2.5%	1	4.3%	41	2.4%
3 p.m.	40	4.2%	28	3.7%	0	0.0%	68	3.9%
4 p.m.	40	4.2%	29	3.8%	0	0.0%	69	4.0%
5 p.m.	51	5.4%	46	6.1%	1	4.3%	98	5.6%
6 p.m.	51	5.4%	63	8.3%	1	4.3%	115	6.6%
7 p.m.	55	5.8%	38	5.0%	1	4.3%	94	5.4%
8 p.m.	60	6.3%	54	7.1%	3	13.0%	117	6.7%
9 p.m.	46	4.8%	58	7.6%	1	4.3%	105	6.0%
10 p.m.	54	5.7%	42	5.5%	3	13.0%	99	5.7%
11 p.m.	64	6.7%	60	7.9%	1	4.3%	125	7.2%
Total	953	100.0%	760	100.0%	23	100.0%	1,736	100.0%

- Alcohol-impaired driver total crashes peaked in the evening and early morning hours (5:00 p.m. to 3:59 a.m.).
- Fatal alcohol-impaired driver crashes varied by hour.

Drivers

Age of Alcohol-Impaired Drivers in Crashes (Utah 2013)

Alcohol-Impaired Drivers												
Age	PDO Crashes			Injury Crashes			Fatal Crashes			Total		
	#	%	Rate per 10,000 Drivers	#	%	Rate per 10,000 Drivers	#	%	Rate per 10,000 Drivers	#	%	Rate per 10,000 Drivers
<21	92	9.5%	4.7	70	9.1%	3.6	2	8.7%	0.10	164	9.3%	8.4
21-24	162	16.8%	10.1	136	17.6%	8.5	1	4.3%	0.06	299	17.0%	18.7
25-29	165	17.1%	8.2	150	19.5%	7.5	3	13.0%	0.15	318	18.1%	15.8
30-34	155	16.1%	7.5	97	12.6%	4.7	4	17.4%	0.19	256	14.6%	12.3
35-39	101	10.5%	5.3	93	12.1%	4.9	1	4.3%	0.05	195	11.1%	10.3
40-44	59	6.1%	3.7	60	7.8%	3.8	4	17.4%	0.25	123	7.0%	7.7
45-49	61	6.3%	4.4	52	6.7%	3.8	2	8.7%	0.15	115	6.5%	8.4
50-54	58	6.0%	4.0	41	5.3%	2.8	1	4.3%	0.07	100	5.7%	6.9
55-59	33	3.4%	2.4	25	3.2%	1.8	2	8.7%	0.15	60	3.4%	4.4
60-64	17	1.8%	1.5	18	2.3%	1.6	2	8.7%	0.17	37	2.1%	3.2
65-69	10	1.0%	1.1	10	1.3%	1.1	0	0.0%	0.00	20	1.1%	2.2
70-74	3	0.3%	0.5	3	0.4%	0.5	0	0.0%	0.00	6	0.3%	0.9
75+	6	0.6%	0.6	3	0.4%	0.3	1	4.3%	0.10	10	0.6%	1.0
Unknown	43	4.5%	n/a	13	1.7%	n/a	0	0.0%	n/a	56	3.2%	n/a
Total	965	100.0%	5.1	771	100.0%	4.1	23	100.0%	0.12	1,759	100.0%	9.3



- Drivers aged 21-24 years had the highest rate of total alcohol-impaired driver crashes (18.7).
- Drivers aged 40-44 (0.25) and 30-34 (0.19) years had the highest rate of alcohol-impaired driver fatal crashes.
- 164 (9.3%) of the impaired drivers in total crashes were under the age of 21 years.
- Two of the 23 (8.7%) impaired drivers in fatal crashes were under the age of 21 years.
- There is a rapid decline of impaired drivers as age increases with less than 10% of impaired drivers over the age of 55 years (7.6%).

Drivers

Gender of Alcohol-Impaired Drivers in Crashes (Utah 2013)

Alcohol-Impaired Drivers								
Gender	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Male	671	69.5%	572	74.2%	17	73.9%	1,260	71.6%
Female	260	26.9%	188	24.4%	6	26.1%	454	25.8%
Unknown	34	3.5%	11	1.4%	0	0.0%	45	2.6%
Total	965	100.0%	771	100.0%	23	100.0%	1,759	100.0%

- Male drivers were much more likely to be an alcohol-impaired driver in a crash. Male drivers represented 71.6% of the impaired drivers in total crashes and 73.9% of impaired drivers in fatal crashes.

Drivers in Fatal Crashes by Blood Alcohol Concentration (Utah 2013)

All Drivers in Fatal Crashes		
BAC	Drivers	
	#	%
.00	124	43.2%
.01 - .07	3	1.0%
.08 - .15	7	2.4%
.16 - .23	9	3.1%
.24 - .31	5	1.7%
.32+	2	0.7%
Not Tested/Unknown	137	47.7%
Total	287	100.0%

- Of the 150 drivers in fatal crashes who were tested for alcohol, 124 (82.7%) had a blood alcohol concentration (BAC) of 0.00, 3 (2.0%) had a BAC of 0.01-0.07, and 23 (15.3%) were over the legal limit of 0.08.
- 16 out of the 23 (69.6%) drivers in fatal crashes who tested over the legal limit for alcohol had BAC levels at or above twice the legal limit of 0.08.

Previous Driving Under the Influence Convictions of Alcohol-Impaired Drivers in Fatal Crashes (Utah 2013)

- Of the 23 alcohol-impaired drivers in fatal crashes, three drivers (13.0%) had been previously convicted of driving under the influence in the past three years.

Drug-Impaired Drivers in Crashes (Utah 2013)

- There were an additional 570 drivers impaired by drugs only, 264 (46.3%) in property damage only crashes, 263 (46.1%) in injury crashes, and 43 (7.5%) in fatal crashes.
- Stimulants (methamphetamine, amphetamine), depressants (meprobamate, nordiazepam), narcotics (hydrocodone), and marijuana were the most common drugs for drug-impaired drivers in fatal crashes.
- Note: Drug presence does not necessarily imply impairment. For many drug types, drug presence can be detected long after any impairment that might affect driving has passed. Also, whereas the impairment effects for various concentration levels of alcohol is well understood, little evidence is available to link concentrations of other drug types to driver performance. For these reasons, no further analysis of drug-impaired drivers is included.