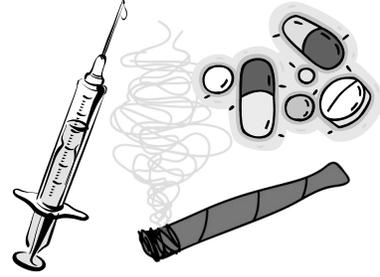


Drug-Impaired Drivers

buzzed
driving is
drunk
driving
designate a sober driver



Section E1: Drug-Impaired Drivers

Trends

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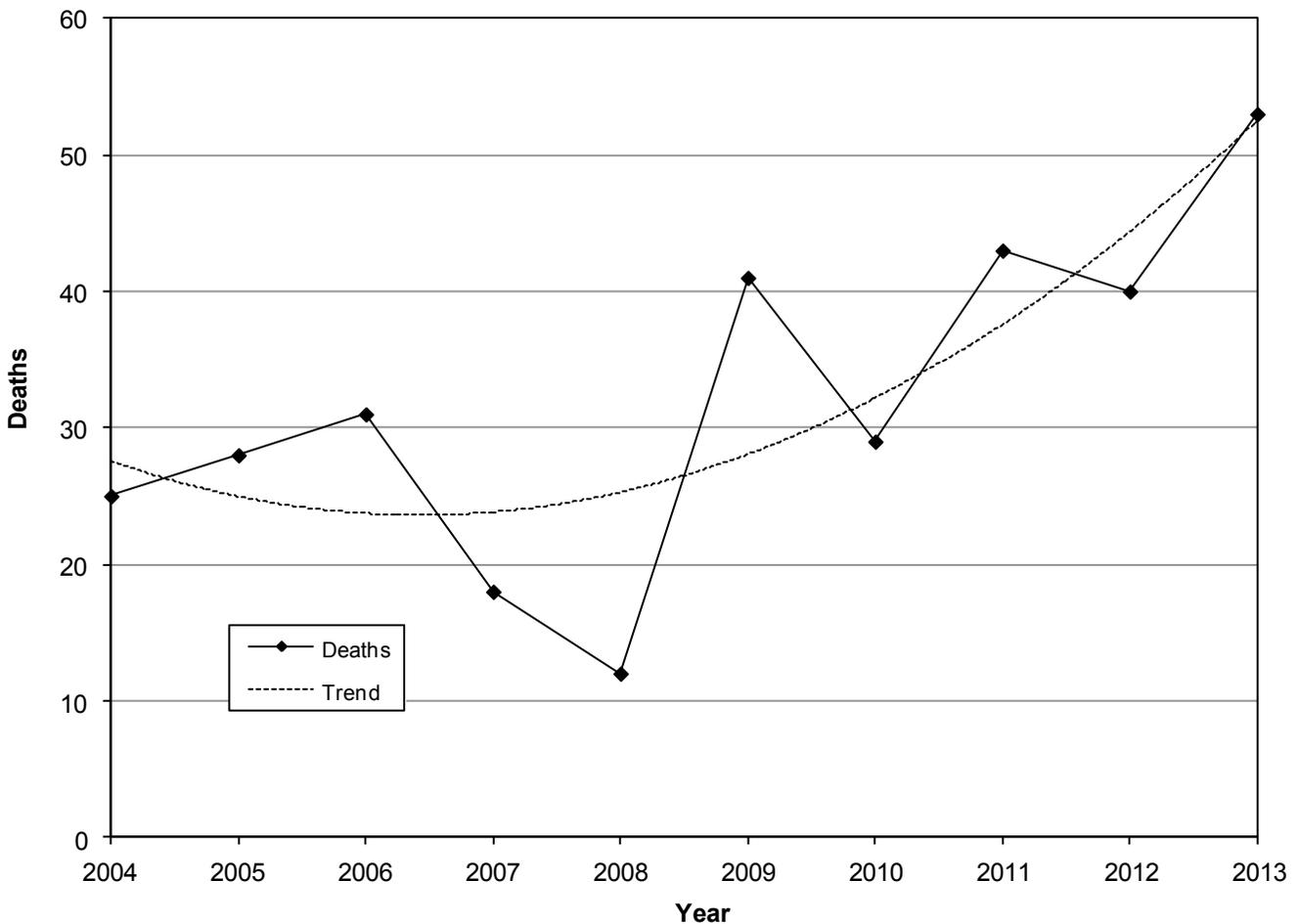
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Trends

Fatal Crashes Involving Drug Positive Drivers (Utah 2004-2013)

Drug Positive Driver Fatal Crashes						
Year	Deaths			Fatal Crashes		
	All	Drug		All	Drug	
	#	#	%	#	#	%
2004	296	25	8.4%	260	23	8.8%
2005	282	28	9.9%	235	25	10.6%
2006	287	31	10.8%	249	28	11.2%
2007	299	18	6.0%	260	17	6.5%
2008	276	12	4.3%	244	9	3.7%
2009	244	41	16.8%	217	28	12.9%
2010	253	29	11.5%	218	22	10.1%
2011	243	43	17.7%	224	37	16.5%
2012	217	40	18.4%	200	36	18.0%
2013	220	53	24.1%	202	51	25.2%
Total	2,617	320	12.2%	2,309	276	12.0%

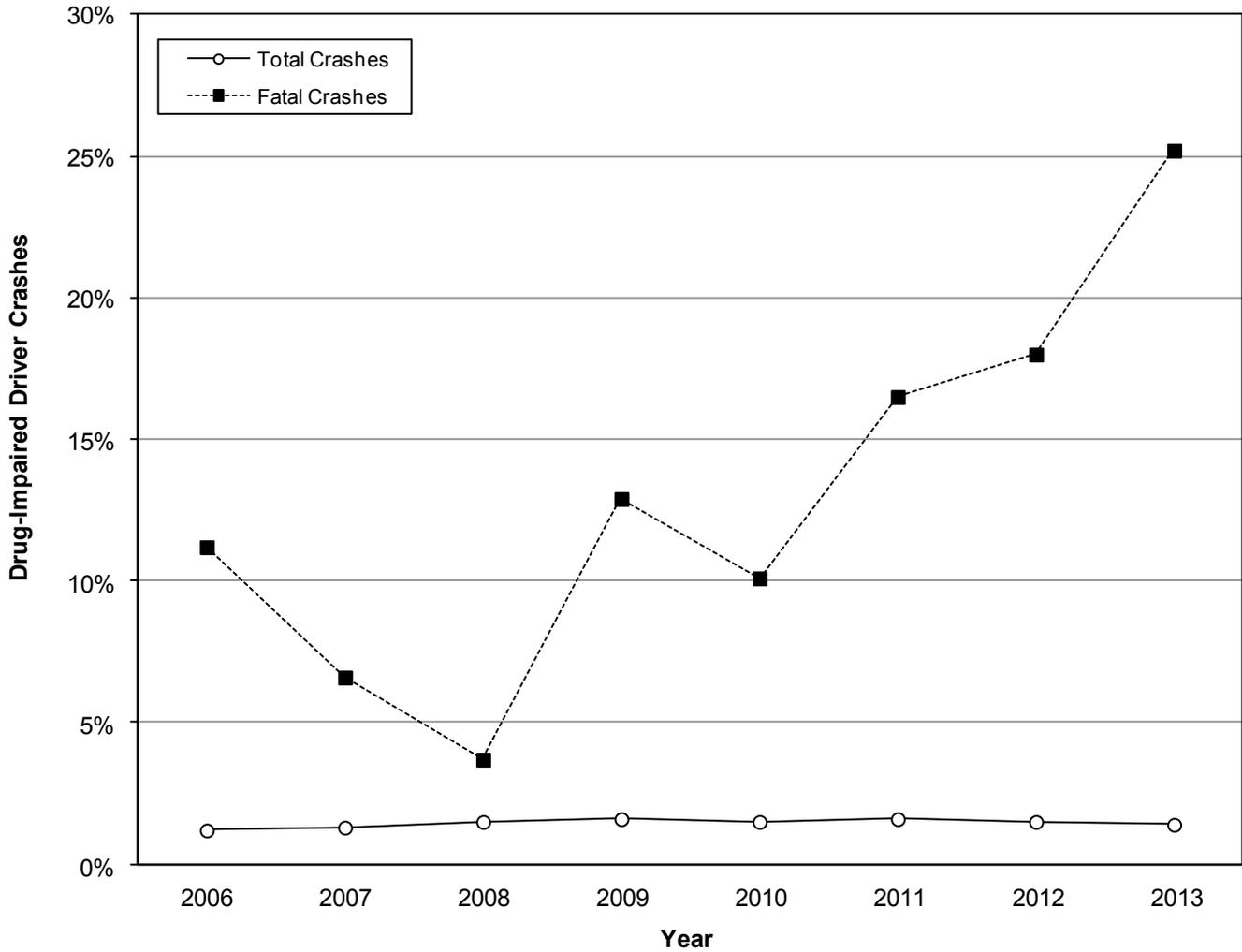


- A drug-positive driver was involved in nearly one-fourth (24.1%) of the traffic deaths in 2013.
- Deaths and fatal crashes involving drug positive drivers have steadily increased over the last six years.
- On average, 32 people die a year in Utah from drug positive driver crashes.

Trends

Drug-Impaired Driver Crashes (Utah 2006-2013)

Drug-Impaired Driver Crashes												
Year	Property Damage Only			Injury			Fatal			Total		
	All	Drug		All	Drug		All	Drug		All	Drug	
	#	#	%	#	#	%	#	#	%	#	#	%
2006	37,674	306	0.8%	18,264	367	2.0%	249	28	11.2%	56,187	701	1.2%
2007	42,368	379	0.9%	18,619	387	2.1%	258	17	6.6%	61,245	783	1.3%
2008	38,997	383	1.0%	17,125	433	2.5%	245	9	3.7%	56,367	825	1.5%
2009	35,398	394	1.1%	15,752	390	2.5%	217	28	12.9%	51,367	812	1.6%
2010	34,155	361	1.1%	14,995	360	2.4%	218	22	10.1%	49,368	743	1.5%
2011	36,418	416	1.1%	15,645	378	2.4%	224	37	16.5%	52,287	831	1.6%
2012	34,635	352	1.0%	15,765	377	2.4%	200	36	18.0%	50,600	765	1.5%
2013	39,301	356	0.9%	16,134	363	2.2%	202	51	25.2%	55,637	770	1.4%
Total	298,946	2,947	1.0%	132,299	3,055	2.3%	1,813	228	12.6%	433,058	6,230	1.4%



- Over the past eight years, 1.4% of total crashes involved drug-impaired drivers compared with 12.6% of fatal crashes.
- Over the past eight years, drug-impaired driver crashes were 10.2 times more likely to be fatal than crashes not involving a drug-impaired driver.

Crash Conditions

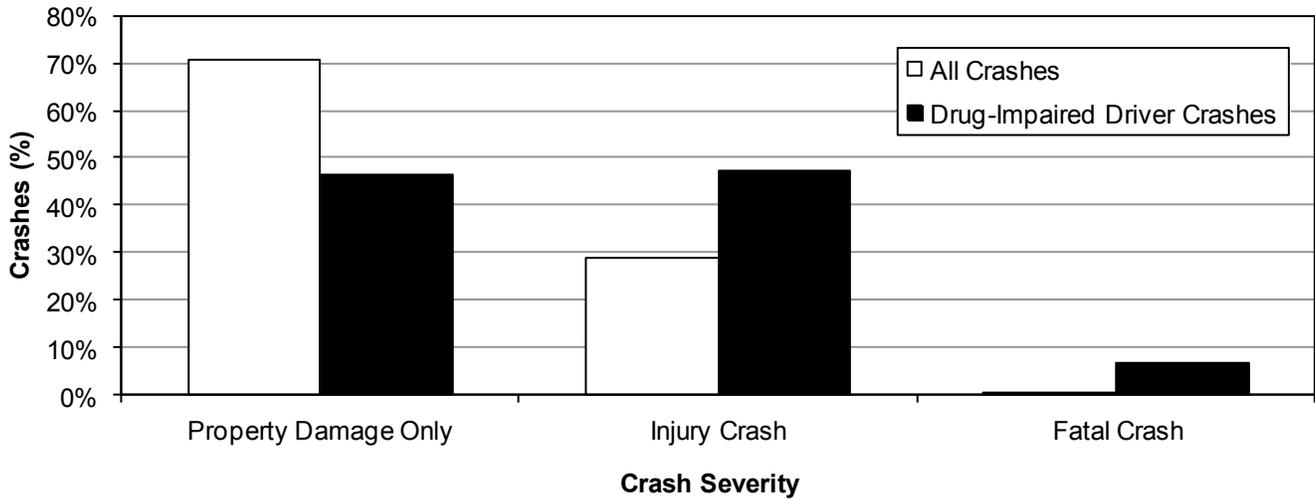
Drug-Impaired Driver Crashes by County (Utah 2013)

Drug-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
Weber	36	2.2	33	2.1	6	0.37	75	4.7
Duchesne	4	1.4	6	2.2	3	1.08	13	4.7
Sevier	7	2.2	4	1.3	1	0.32	12	3.9
Tooele	15	1.8	9	1.1	7	0.85	31	3.8
Davis	44	1.7	39	1.5	2	0.08	85	3.3
Daggett	0	0.0	1	3.2	0	0.00	1	3.2
Washington	16	1.1	25	1.8	4	0.28	45	3.2
Salt Lake	123	1.4	138	1.6	15	0.17	276	3.1
Cache	16	1.8	10	1.1	1	0.11	27	3.1
Iron	11	1.5	10	1.4	1	0.14	22	3.0
Utah	50	1.3	53	1.3	5	0.13	108	2.7
Carbon	4	1.3	3	1.0	1	0.32	8	2.6
Uintah	4	1.0	5	1.2	1	0.24	10	2.4
Wayne	0	0.0	0	0.0	1	2.10	1	2.1
Wasatch	3	0.9	4	1.2	0	0.00	7	2.1
Emery	3	0.9	4	1.1	0	0.00	7	2.0
Garfield	1	0.9	0	0.0	1	0.93	2	1.9
Box Elder	8	0.9	5	0.6	1	0.11	14	1.6
Sanpete	1	0.5	2	0.9	0	0.00	3	1.4
Kane	0	0.0	2	1.2	0	0.00	2	1.2
Summit	6	0.8	3	0.4	0	0.00	9	1.2
Grand	0	0.0	4	1.2	0	0.00	4	1.2
Millard	2	0.4	1	0.2	1	0.20	4	0.8
Juab	1	0.3	2	0.5	0	0.00	3	0.8
Morgan	1	0.8	0	0.0	0	0.00	1	0.8
Beaver	0	0.0	0	0.0	0	0.00	0	0.0
Piute	0	0.0	0	0.0	0	0.00	0	0.0
Rich	0	0.0	0	0.0	0	0.00	0	0.0
San Juan	0	0.0	0	0.0	0	0.00	0	0.0
Statewide	356	1.3	363	1.3	51	0.19	770	2.9

- Weber (4.7), Duchesne (4.7), Sevier (3.9), and Tooele (3.8) counties had the highest rates of drug-impaired driver total crashes per 100 million vehicle miles traveled.
- Beaver, Piute, Rich, and San Juan counties had no drug-impaired driver crashes.
- Over one-third (35.8%) of the crashes involving drug-impaired drivers occurred in Salt Lake County.

Crash Conditions

Drug-Impaired Driver Crash Severity (Utah 2013)



- Drug-impaired driver crashes were 2.8 times more likely to have a death or injury than other crashes.
- A higher percentage of drug-impaired driver crashes (47.1%) resulted in an injury compared to all motor vehicle crashes that resulted in an injury (29.0%).
- In addition, a higher percentage of drug-impaired driver crashes were fatal (6.6%) compared to all motor vehicle crashes (0.4%).

Drug-Impaired Driver Crashes by Month (Utah 2013)

Drug-Impaired Driver Crashes								
Month	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	Rate per Day	#	Rate per Day	#	Rate per Day	#	Rate per Day
January	29	0.9	17	0.5	2	0.06	48	1.5
February	21	0.8	23	0.8	0	0.00	44	1.6
March	31	1.0	34	1.1	5	0.16	70	2.3
April	30	1.0	32	1.1	4	0.13	66	2.2
May	33	1.1	37	1.2	7	0.23	77	2.5
June	22	0.7	38	1.3	4	0.13	64	2.1
July	32	1.0	32	1.0	1	0.03	65	2.1
August	38	1.2	34	1.1	7	0.23	79	2.5
September	35	1.2	30	1.0	5	0.17	70	2.3
October	32	1.0	30	1.0	6	0.19	68	2.2
November	28	0.9	28	0.9	6	0.20	62	2.1
December	25	0.8	28	0.9	4	0.13	57	1.8
Total	356	1.0	363	1.0	51	0.14	770	2.1

- Overall, the highest rates per day of drug-impaired driver crashes were in May (2.5) and August (2.5) with the lowest rates per day in January (1.5) and February (1.6).
- The highest rates per day of fatal drug positive driver crashes occurred in May and August.

Crash Conditions

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

Drug-Impaired Driver Crashes								
Day of Week	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Sunday	52	14.6%	54	14.9%	8	15.7%	114	14.8%
Monday	48	13.5%	57	15.7%	7	13.7%	112	14.5%
Tuesday	53	14.9%	55	15.2%	7	13.7%	115	14.9%
Wednesday	50	14.0%	38	10.5%	6	11.8%	94	12.2%
Thursday	43	12.1%	56	15.4%	11	21.6%	110	14.3%
Friday	61	17.1%	61	16.8%	8	15.7%	130	16.9%
Saturday	49	13.8%	42	11.6%	4	7.8%	95	12.3%
Total	356	100.0%	363	100.0%	51	100.0%	770	100.0%

- The highest percentage of drug-impaired driver total crashes occurred on Friday.
- The highest percentage of drug positive driver fatal crashes occurred on Thursday.

Drug-Impaired Driver Crashes by Hour (Utah 2013)

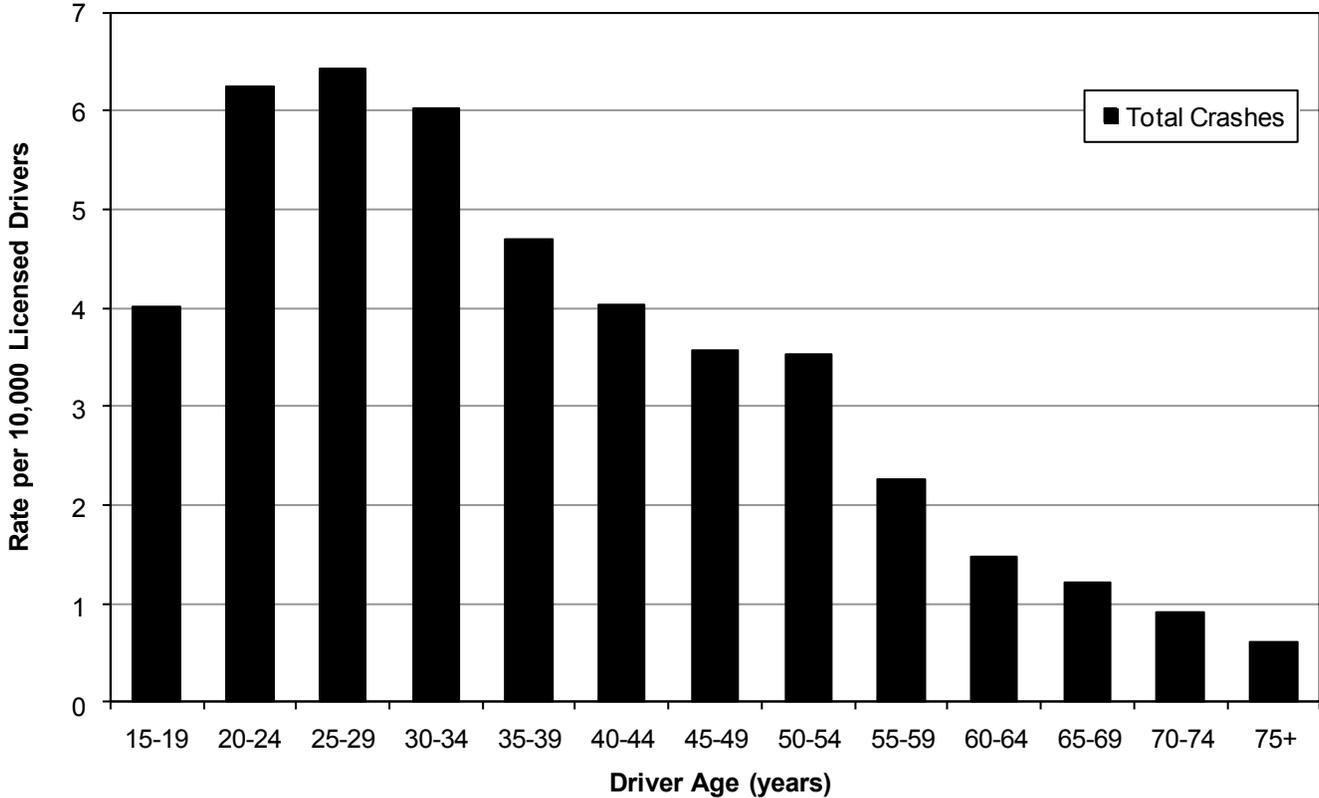
Drug-Impaired Driver Crashes								
Hour	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Midnight	15	4.2%	15	4.1%	0	0.0%	30	3.9%
1 a.m.	9	2.5%	12	3.3%	1	2.0%	22	2.9%
2 a.m.	9	2.5%	12	3.3%	1	2.0%	22	2.9%
3 a.m.	8	2.2%	10	2.8%	0	0.0%	18	2.3%
4 a.m.	3	0.8%	7	1.9%	0	0.0%	10	1.3%
5 a.m.	8	2.2%	9	2.5%	5	9.8%	22	2.9%
6 a.m.	5	1.4%	10	2.8%	3	5.9%	18	2.3%
7 a.m.	13	3.7%	20	5.5%	2	3.9%	35	4.5%
8 a.m.	13	3.7%	20	5.5%	1	2.0%	34	4.4%
9 a.m.	8	2.2%	14	3.9%	2	3.9%	24	3.1%
10 a.m.	14	3.9%	12	3.3%	2	3.9%	28	3.6%
11 a.m.	16	4.5%	17	4.7%	1	2.0%	34	4.4%
Noon	14	3.9%	14	3.9%	3	5.9%	31	4.0%
1 p.m.	18	5.1%	18	5.0%	2	3.9%	38	4.9%
2 p.m.	18	5.1%	17	4.7%	3	5.9%	38	4.9%
3 p.m.	22	6.2%	22	6.1%	3	5.9%	47	6.1%
4 p.m.	24	6.7%	20	5.5%	2	3.9%	46	6.0%
5 p.m.	20	5.6%	24	6.6%	6	11.8%	50	6.5%
6 p.m.	23	6.5%	17	4.7%	3	5.9%	43	5.6%
7 p.m.	19	5.3%	15	4.1%	2	3.9%	36	4.7%
8 p.m.	19	5.3%	16	4.4%	3	5.9%	38	4.9%
9 p.m.	22	6.2%	18	5.0%	3	5.9%	43	5.6%
10 p.m.	19	5.3%	13	3.6%	1	2.0%	33	4.3%
11 p.m.	17	4.8%	11	3.0%	2	3.9%	30	3.9%
Total	356	100.0%	363	100.0%	51	100.0%	770	100.0%

- Drug-impaired driver total crashes peaked in the afternoon and evening hours (1:00 p.m. to 9:59 p.m.).
- Fatal drug positive driver crashes were highest during the hours of 5 p.m. and 5 a.m.

Drivers

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

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
<15	0	0.0%	n/a	0	0.0%	n/a	0	0.0%	n/a	0	0.0%	n/a
15-19	31	8.7%	2.0	29	7.9%	1.8	3	5.9%	0.19	63	8.1%	4.0
20-24	61	17.1%	3.1	59	16.1%	3.0	4	7.8%	0.20	124	16.0%	6.3
25-29	59	16.5%	2.9	69	18.9%	3.4	1	2.0%	0.05	129	16.7%	6.4
30-34	62	17.4%	3.0	57	15.6%	2.7	6	11.8%	0.29	125	16.1%	6.0
35-39	39	10.9%	2.1	45	12.3%	2.4	5	9.8%	0.26	89	11.5%	4.7
40-44	27	7.6%	1.7	29	7.9%	1.8	8	15.7%	0.50	64	8.3%	4.0
45-49	17	4.8%	1.2	28	7.7%	2.0	4	7.8%	0.29	49	6.3%	3.6
50-54	24	6.7%	1.7	21	5.7%	1.5	6	11.8%	0.42	51	6.6%	3.5
55-59	12	3.4%	0.9	12	3.3%	0.9	7	13.7%	0.51	31	4.0%	2.3
60-64	9	2.5%	0.8	5	1.4%	0.4	3	5.9%	0.26	17	2.2%	1.5
65-69	4	1.1%	0.4	7	1.9%	0.8	0	0.0%	0.00	11	1.4%	1.2
70-74	4	1.1%	0.6	1	0.3%	0.2	1	2.0%	0.15	6	0.8%	0.9
75+	1	0.3%	0.1	2	0.5%	0.2	3	5.9%	0.31	6	0.8%	0.6
Unknown	7	2.0%	n/a	2	0.5%	n/a	0	0.0%	n/a	9	1.2%	n/a
Total	357	100.0%	1.9	366	100.0%	1.9	51	100.0%	0.27	774	100.0%	4.1



- Drivers aged 20-34 years had the highest rate of total drug-impaired driver crashes.
- Drivers aged 40-59 years had the highest rates of drug positive driver fatal crashes.

Drivers

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

Drug-Impaired Drivers								
Gender	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Male	234	65.5%	233	63.7%	33	64.7%	500	64.6%
Female	122	34.2%	132	36.1%	18	35.3%	272	35.1%
Unknown	1	0.3%	1	0.3%	0	0.0%	2	0.3%
Total	357	100.0%	366	100.0%	51	100.0%	774	100.0%

- Male drivers were much more likely to be a drug-impaired driver in a crash. Male drivers represented 64.6% of the impaired drivers in total crashes and 64.7% of the drug positive drivers in fatal crashes.

Drivers in Fatal Crashes by Drug Test (Utah 2013)

All Drivers in Fatal Crashes		
Drug Test Results	Drivers	
	#	%
Negative	99	34.5%
Positive For 1 Drug	27	9.4%
Positive For More Than 1 Drug	24	8.4%
Not Tested/Unknown	137	47.7%
Total	287	100.0%

- Of the 150 drivers in fatal crashes who were tested for drugs, 99 (66.0%) tested negative, 27 (18.0%) tested positive for one drug, and 24 (16.0%) tested positive for more than one drug.

Drug Positive Drivers in Fatal Crashes by Test Results (Utah 2013)

- These two tables show the same information. One table is by drug category and the other is by specific drugs.
- 51 drivers in fatal crashes tested positive for drugs. 24 of these drivers tested positive for more than one drug.
- Stimulants (methamphetamine, amphetamine, benzoylecgonine), depressants (meprobamate, nordiazepam, diazepam, zolpidem), narcotics (hydrocodone, morphine, oxycodone), and cannabinoids [THC (marijuana)] were the most common drug types.

Drug Positive Drivers in Fatal Crashes		
Drug Type	Drivers	
	#	%
Stimulant	26	30.6%
Depressant	12	14.1%
Narcotic	12	14.1%
Cannabinoid	10	11.8%
Hallucinogen	0	0.0%
Other Drug	23	27.1%
Unknown Type	2	2.4%
Total	85	100.0%

Drug Positive Drivers in Fatal Crashes		
Drug Type	Drivers	
	#	%
Methamphetamine	13	15.3%
THC	10	11.8%
Amphetamine	9	10.6%
Hydrocodone	5	5.9%
Benzoylecgonine	3	3.5%
Meprobamate	3	3.5%
Morphine	3	3.5%
Nordiazepam	3	3.5%
Diazepam	2	2.4%
Oxycodone	2	2.4%
Zolpidem	2	2.4%
Alprazolam	1	1.2%
Carisoprodol	1	1.2%
Cocaine	1	1.2%
Fentanyl	1	1.2%
Methadone	1	1.2%
Other Drug	23	27.1%
Unknown Type	2	2.4%
Total	85	100.0%

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.