

Drowsy Drivers

You Snooze  You Lose
Don't Drive Drowsy



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Section E2: Drowsy Drivers

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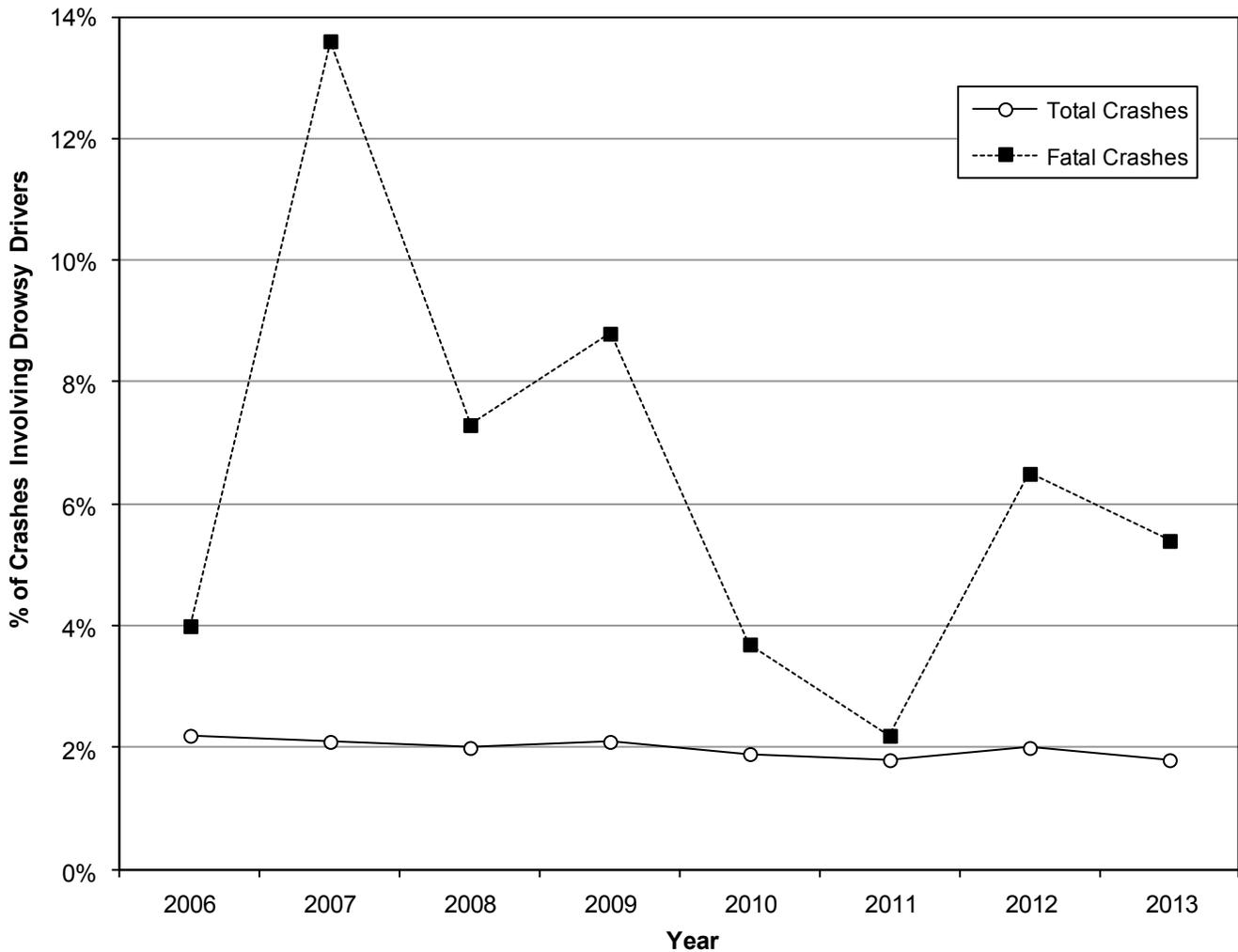
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Trends

Drowsy Driver Crashes (Utah 2006-2013)

Year	Drowsy Driver Crashes											
	Property Damage Only			Injury			Fatal			Total		
	All #	Drowsy Driver #	%	All #	Drowsy Driver #	%	All #	Drowsy Driver #	%	All #	Drowsy Driver #	%
2006	37,674	636	1.7%	18,264	573	3.1%	249	10	4.0%	56,187	1,219	2.2%
2007	42,368	694	1.6%	18,619	584	3.1%	258	35	13.6%	61,245	1,313	2.1%
2008	38,997	594	1.5%	17,125	510	3.0%	245	18	7.3%	56,367	1,122	2.0%
2009	35,398	616	1.7%	15,752	448	2.8%	217	19	8.8%	51,367	1,083	2.1%
2010	34,155	524	1.5%	14,995	429	2.9%	218	8	3.7%	49,368	961	1.9%
2011	36,418	546	1.5%	15,645	404	2.6%	224	5	2.2%	52,287	955	1.8%
2012	34,635	597	1.7%	15,765	414	2.6%	200	13	6.5%	50,600	1,024	2.0%
2013	39,301	587	1.5%	16,134	417	2.6%	202	11	5.4%	55,637	1,015	1.8%
Total	298,946	4,794	1.6%	132,299	3,779	2.9%	1,813	119	6.6%	433,058	8,692	2.0%



- The eight-year trend shows that 2.0% of all crashes in Utah involved a drowsy driver.
- Fatal drowsy driver crashes have fluctuated around the seven-year average of 6.6% of fatal crashes.
- While these numbers are significant, they may not state the true size of the problem, since the identification of drowsiness or fatigue and its role in the crash by law enforcement can be very difficult.

Crash Conditions

Drowsy Driver Crashes by County (Utah 2013)

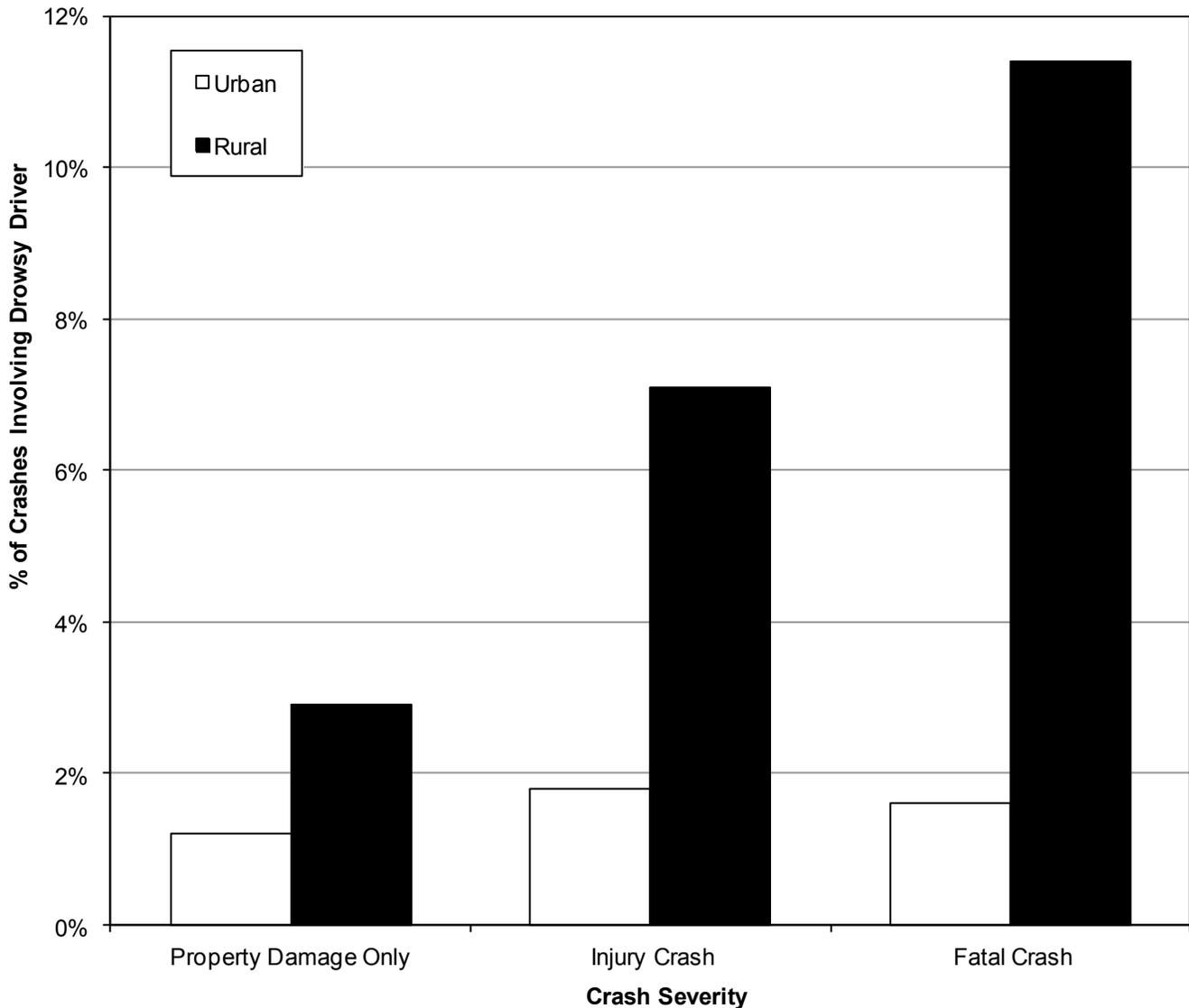
County	Drowsy Driver Crashes											
	PDO Crashes			Injury Crashes			Fatal Crashes			Total		
	All #	Drowsy Driver #	%	All #	Drowsy Driver #	%	All #	Drowsy Driver #	%	All #	Drowsy Driver #	%
Piute	18	2	11.1%	3	0	0.0%	0	0	n/a	21	2	9.5%
Daggett	26	2	7.7%	9	1	11.1%	0	0	n/a	35	3	8.6%
Emery	177	7	4.0%	63	9	14.3%	5	2	40.0%	245	18	7.3%
Rich	42	0	0.0%	28	5	17.9%	0	0	n/a	70	5	7.1%
Millard	260	10	3.8%	95	13	13.7%	7	1	14.3%	362	24	6.6%
Juab	199	8	4.0%	71	8	11.3%	3	1	33.3%	273	17	6.2%
Wayne	43	2	4.7%	7	1	14.3%	2	0	0.0%	52	3	5.8%
Box Elder	720	24	3.3%	311	31	10.0%	4	0	0.0%	1,035	55	5.3%
Morgan	162	5	3.1%	32	5	15.6%	0	0	n/a	194	10	5.2%
Grand	125	5	4.0%	83	5	6.0%	3	0	0.0%	211	10	4.7%
Sevier	229	9	3.9%	103	4	3.9%	5	2	40.0%	337	15	4.5%
Beaver	185	5	2.7%	62	5	8.1%	3	1	33.3%	250	11	4.4%
Tooele	772	23	3.0%	272	22	8.1%	8	1	12.5%	1,052	46	4.4%
San Juan	214	6	2.8%	54	4	7.4%	5	1	20.0%	273	11	4.0%
Iron	594	19	3.2%	219	10	4.6%	8	0	0.0%	821	29	3.5%
Sanpete	198	4	2.0%	92	6	6.5%	6	0	0.0%	296	10	3.4%
Washington	1,334	37	2.8%	724	32	4.4%	13	0	0.0%	2,071	69	3.3%
Carbon	272	4	1.5%	70	7	10.0%	4	0	0.0%	346	11	3.2%
Wasatch	428	15	3.5%	139	3	2.2%	3	0	0.0%	570	18	3.2%
Uintah	511	13	2.5%	163	6	3.7%	2	0	0.0%	676	19	2.8%
Summit	927	21	2.3%	216	11	5.1%	3	0	0.0%	1,146	32	2.8%
Kane	143	2	1.4%	36	2	5.6%	2	0	0.0%	181	4	2.2%
Duchesne	358	7	2.0%	114	3	2.6%	4	0	0.0%	476	10	2.1%
Utah	5,237	79	1.5%	2,368	55	2.3%	20	0	0.0%	7,625	134	1.8%
Davis	3,633	60	1.7%	1,444	25	1.7%	11	0	0.0%	5,088	85	1.7%
Weber	2,747	34	1.2%	1,416	29	2.0%	18	1	5.6%	4,181	64	1.5%
Cache	1,441	18	1.2%	483	11	2.3%	9	0	0.0%	1,933	29	1.5%
Garfield	105	2	1.9%	27	0	0.0%	2	0	0.0%	134	2	1.5%
Salt Lake	18,201	164	0.9%	7,430	104	1.4%	52	1	1.9%	25,683	269	1.0%
Statewide	39,301	587	1.5%	16,134	417	2.6%	202	11	5.4%	55,637	1,015	1.8%

- Overall, Piute (9.5%), Daggett (8.6%), and Emery (7.3%) counties had the highest percentages of crashes involving a drowsy driver.
- Overall, Salt Lake (1.0%), Garfield (1.5%), Cache (1.5%) and Weber (1.5%) counties had the lowest percentages of crashes involving a drowsy driver.
- Statewide, drowsy driver crashes represented 1.8% of all crashes and 5.4% of all fatal crashes.

Crash Conditions

Drowsy Driver Crashes by Rural/Urban (Utah 2013)

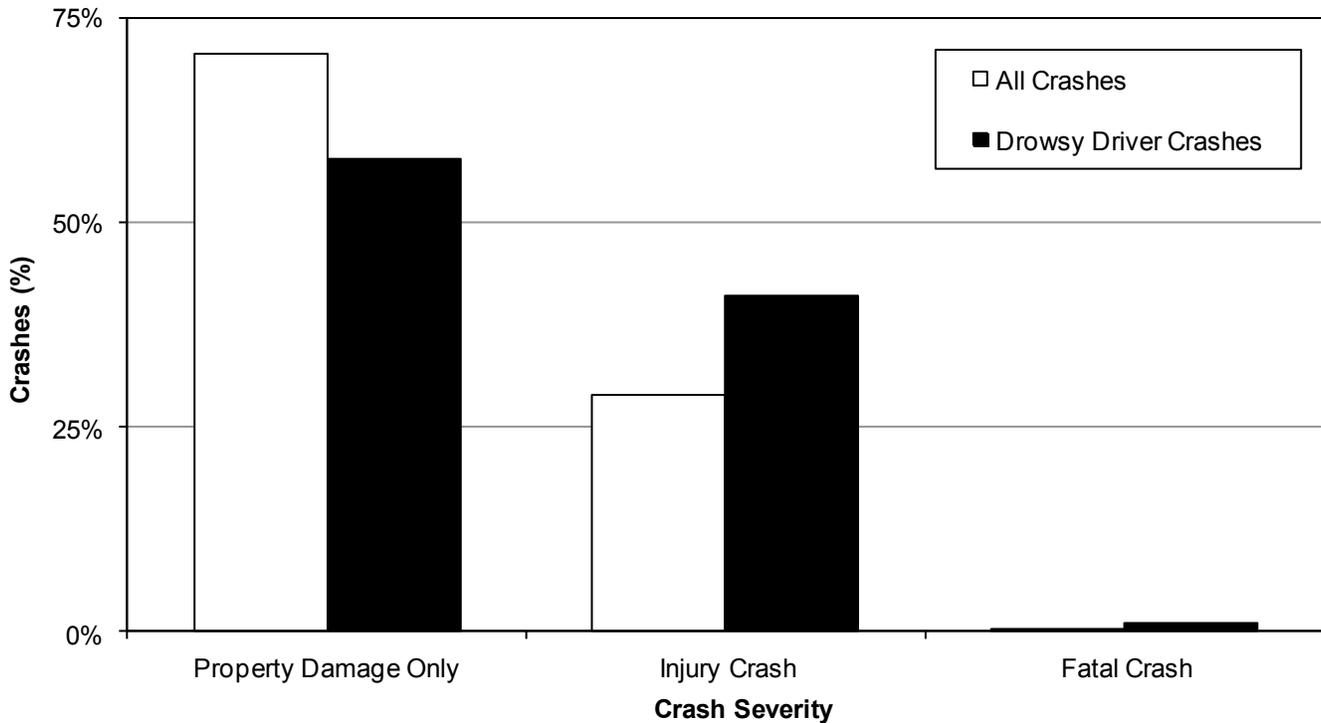
Drowsy Driver Crashes												
Location	PDO Crashes			Injury Crashes			Fatal Crashes			Total		
	All	Drowsy Driver		All	Drowsy Driver		All	Drowsy Driver		All	Drowsy Driver	
	#	#	%	#	#	%	#	#	%	#	#	%
Rural	6,708	195	2.9%	2,269	161	7.1%	79	9	11.4%	9,056	365	4.0%
Urban	32,593	392	1.2%	13,865	256	1.8%	123	2	1.6%	46,581	650	1.4%
Statewide	39,301	587	1.5%	16,134	417	2.6%	202	11	5.4%	55,637	1,015	1.8%



- Overall, 4.0% of rural crashes involved a drowsy driver compared to 1.4% of urban crashes.
- Rural crashes were 3.0 times more likely to involve a drowsy driver than urban crashes.
- The more serious the crash the greater the discrepancy between rural and urban locations. Whereas 2.9% of property damage only crashes in rural locations and 1.2% in urban locations involved a drowsy driver, 11.4% of fatal crashes in rural areas involved a drowsy driver compared to 1.6% of fatal crashes in urban areas.

Crash Conditions

Drowsy Driver Crash Severity (Utah 2013)



- Drowsy driver crashes were more likely to result in injury compared to all motor vehicle crashes (41.1% to 29.0%).

Drowsy Driver Crashes by Vehicle Type (Utah 2013)

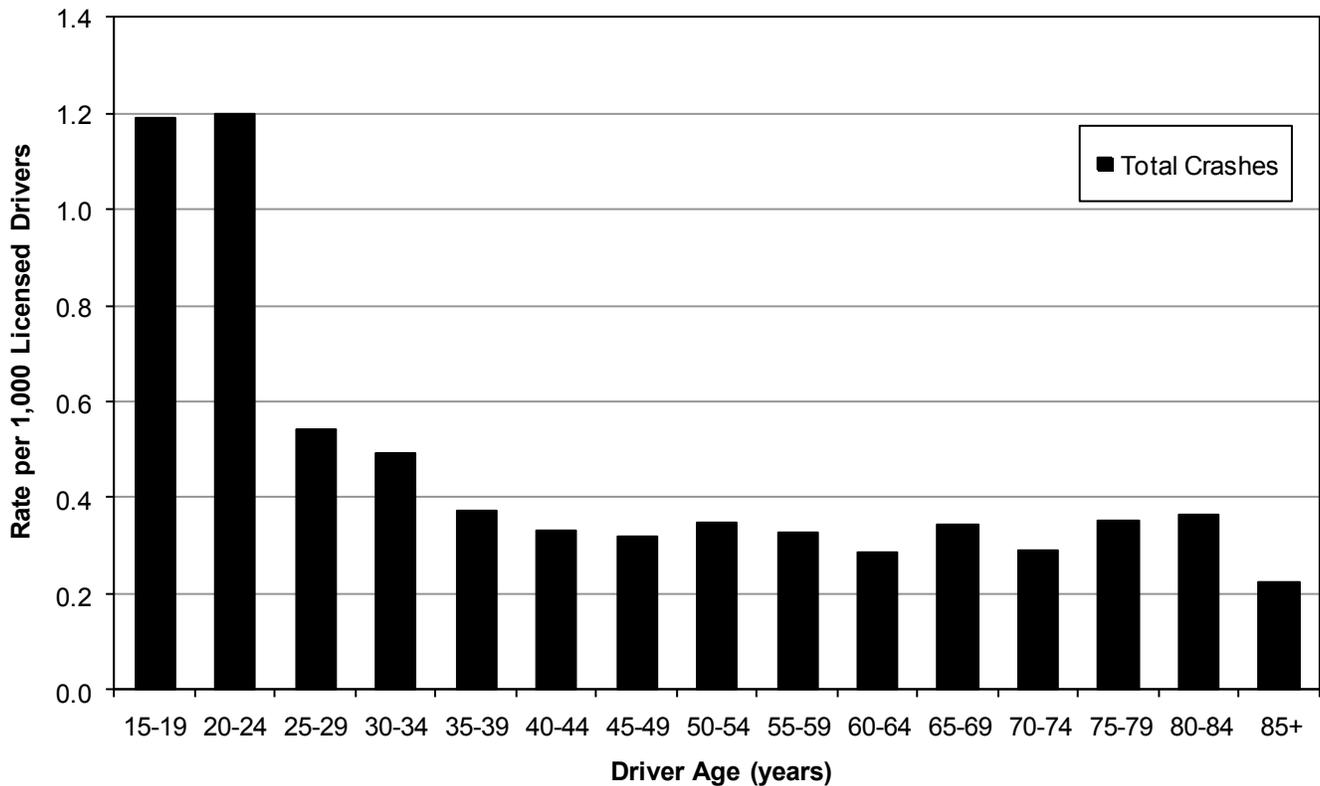
Drowsy Driver Vehicles												
Vehicle Type	Property Damage Only			Injury			Fatal			Total		
	All	Drowsy Driver	%	All	Drowsy Driver	%	All	Drowsy Driver	%	All	Drowsy Driver	%
	#	#	%	#	#	%	#	#	%	#	#	%
Passenger Car	35,586	361	1.0%	15,873	243	1.5%	119	2	1.7%	51,578	606	1.2%
Pickup Truck	11,321	102	0.9%	4,243	61	1.4%	62	6	9.7%	15,626	169	1.1%
Heavy Truck	2,628	18	0.7%	717	16	2.2%	23	1	4.3%	3,368	35	1.0%
SUV	14,168	81	0.6%	6,144	78	1.3%	44	1	2.3%	20,356	160	0.8%
Van	3,812	26	0.7%	1,747	15	0.9%	12	1	8.3%	5,571	42	0.8%
Off Road Vehicle	14	0	0.0%	150	1	0.7%	3	0	0.0%	167	1	0.6%
Bus	323	0	0.0%	99	1	1.0%	2	0	0.0%	424	1	0.2%
Motorcycle	146	0	0.0%	925	2	0.2%	34	0	0.0%	1,105	2	0.2%
Other	116	0	0.0%	43	0	0.0%	0	0	n/a	159	0	0.0%
Unknown	2,251	0	0.0%	423	0	0.0%	9	0	0.0%	2,683	0	0.0%
Total	70,365	588	0.8%	30,364	417	1.4%	308	11	3.6%	101,037	1,016	1.0%

- Overall, passenger car (1.2%), pickup truck (1.1%), and heavy truck (1.0%) had the highest percentages of drowsy driver vehicles in crashes.
- Over half (54.5%) of the drowsy driver vehicles in fatal crashes were a pickup truck.

Crash Conditions

Age of Drowsy Drivers in Crashes (Utah 2013)

Drowsy 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
<15	0	0.0%	n/a	0	0.0%	n/a	0	0.0%	n/a	0	0.0%	n/a
15-19	113	19.2%	0.72	74	17.7%	0.47	0	0.0%	0.000	187	18.4%	1.19
20-24	148	25.2%	0.75	90	21.6%	0.45	0	0.0%	0.000	238	23.4%	1.20
25-29	65	11.1%	0.32	43	10.3%	0.21	1	9.1%	0.005	109	10.7%	0.54
30-34	50	8.5%	0.24	51	12.2%	0.25	1	9.1%	0.005	102	10.0%	0.49
35-39	37	6.3%	0.20	32	7.7%	0.17	2	18.2%	0.011	71	7.0%	0.37
40-44	31	5.3%	0.20	22	5.3%	0.14	0	0.0%	0.000	53	5.2%	0.33
45-49	27	4.6%	0.20	15	3.6%	0.11	2	18.2%	0.015	44	4.3%	0.32
50-54	28	4.8%	0.19	20	4.8%	0.14	2	18.2%	0.014	50	4.9%	0.35
55-59	22	3.7%	0.16	22	5.3%	0.16	1	9.1%	0.007	45	4.4%	0.33
60-64	23	3.9%	0.20	9	2.2%	0.08	1	9.1%	0.009	33	3.2%	0.28
65-69	15	2.6%	0.17	16	3.8%	0.18	0	0.0%	0.000	31	3.1%	0.34
70-74	10	1.7%	0.15	8	1.9%	0.12	1	9.1%	0.015	19	1.9%	0.29
75-79	12	2.0%	0.26	4	1.0%	0.09	0	0.0%	0.000	16	1.6%	0.35
80-84	5	0.9%	0.17	6	1.4%	0.20	0	0.0%	0.000	11	1.1%	0.36
85+	0	0.0%	0.00	5	1.2%	0.22	0	0.0%	0.000	5	0.5%	0.22
Unknown	2	0.3%	n/a	0	0.0%	n/a	0	0.0%	n/a	2	0.2%	n/a
Total	588	100.0%	0.31	417	100.0%	0.22	11	100.0%	0.006	1,016	100.0%	0.53



- Drivers aged 15-24 years had the highest drowsy driving crash rates per licensed drivers.

Crash Conditions

Gender of Drowsy Drivers in Crashes (Utah 2013)

Drowsy Drivers								
Gender	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Male	434	73.8%	284	68.1%	11	100.0%	729	71.8%
Female	153	26.0%	133	31.9%	0	0.0%	286	28.1%
Unknown	1	0.2%	0	0.0%	0	0.0%	1	0.1%
Total	588	100.0%	417	100.0%	11	100.0%	1,016	100.0%

- The majority of drowsy drivers in all motor vehicle crashes (71.8%) and fatal crashes (100%) were male.
- Male drivers were 1.9 times more likely to be drowsy in a crash than female drivers.

Drowsy Driver Crashes by Month (Utah 2013)

Drowsy Driver Crashes								
Month	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	Rate per Day	#	Rate per Day	#	Rate per Day	#	Rate per Day
January	48	1.5	20	0.6	1	0.03	69	2.2
February	49	1.8	29	1.0	0	0.00	78	2.8
March	39	1.3	34	1.1	0	0.00	73	2.4
April	48	1.6	36	1.2	1	0.03	85	2.8
May	63	2.0	43	1.4	0	0.00	106	3.4
June	47	1.6	42	1.4	2	0.07	91	3.0
July	70	2.3	47	1.5	1	0.03	118	3.8
August	53	1.7	33	1.1	2	0.06	88	2.8
September	39	1.3	41	1.4	2	0.07	82	2.7
October	51	1.6	39	1.3	0	0.00	90	2.9
November	37	1.2	25	0.8	0	0.00	62	2.1
December	43	1.4	28	0.9	2	0.06	73	2.4
Total	587	1.6	417	1.1	11	0.03	1,015	2.8

- Overall, July (3.8) and May (3.4) had the highest rates per day for drowsy driver crashes.

Drowsy Driver Crashes by Day of Week (Utah 2013)

Drowsy Driver Crashes								
Day of Week	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Sunday	91	15.5%	69	16.5%	2	18.2%	162	16.0%
Monday	68	11.6%	57	13.7%	4	36.4%	129	12.7%
Tuesday	71	12.1%	51	12.2%	1	9.1%	123	12.1%
Wednesday	83	14.1%	50	12.0%	2	18.2%	135	13.3%
Thursday	90	15.3%	69	16.5%	1	9.1%	160	15.8%
Friday	98	16.7%	60	14.4%	0	0.0%	158	15.6%
Saturday	86	14.7%	61	14.6%	1	9.1%	148	14.6%
Total	587	100.0%	417	100.0%	11	100.0%	1,015	100.0%

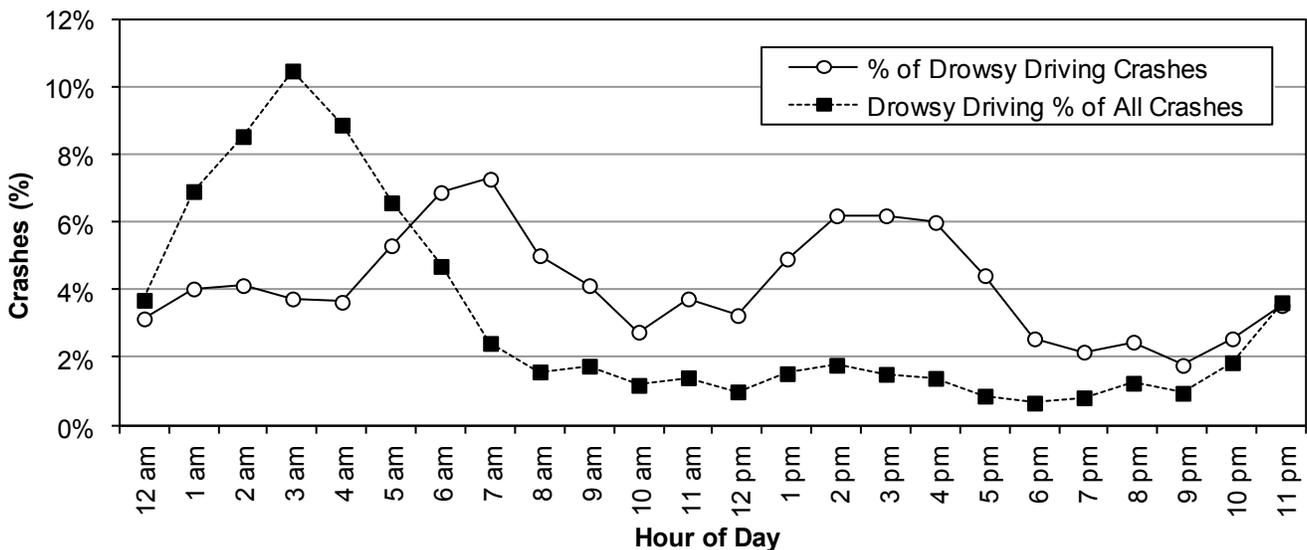
- Overall, the highest percentage of drowsy driver crashes occurred on Sunday (16.0%).
- The highest percentage of fatal drowsy driver crashes occurred on Monday (36.4%).

Crash Conditions

Drowsy Driver Crashes by Hour (Utah 2013)

Drowsy Driver Crashes								
Hour	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Midnight	17	2.9%	14	3.4%	1	9.1%	32	3.2%
1 a.m.	23	3.9%	18	4.3%	0	0.0%	41	4.0%
2 a.m.	27	4.6%	15	3.6%	0	0.0%	42	4.1%
3 a.m.	24	4.1%	14	3.4%	0	0.0%	38	3.7%
4 a.m.	20	3.4%	16	3.8%	1	9.1%	37	3.6%
5 a.m.	30	5.1%	23	5.5%	1	9.1%	54	5.3%
6 a.m.	46	7.8%	24	5.8%	0	0.0%	70	6.9%
7 a.m.	43	7.3%	29	7.0%	2	18.2%	74	7.3%
8 a.m.	31	5.3%	18	4.3%	2	18.2%	51	5.0%
9 a.m.	26	4.4%	16	3.8%	0	0.0%	42	4.1%
10 a.m.	16	2.7%	12	2.9%	0	0.0%	28	2.8%
11 a.m.	19	3.2%	18	4.3%	1	9.1%	38	3.7%
Noon	20	3.4%	13	3.1%	0	0.0%	33	3.3%
1 p.m.	32	5.5%	18	4.3%	0	0.0%	50	4.9%
2 p.m.	38	6.5%	24	5.8%	1	9.1%	63	6.2%
3 p.m.	33	5.6%	29	7.0%	1	9.1%	63	6.2%
4 p.m.	29	4.9%	32	7.7%	0	0.0%	61	6.0%
5 p.m.	20	3.4%	25	6.0%	0	0.0%	45	4.4%
6 p.m.	15	2.6%	10	2.4%	1	9.1%	26	2.6%
7 p.m.	10	1.7%	12	2.9%	0	0.0%	22	2.2%
8 p.m.	15	2.6%	10	2.4%	0	0.0%	25	2.5%
9 p.m.	13	2.2%	5	1.2%	0	0.0%	18	1.8%
10 p.m.	18	3.1%	8	1.9%	0	0.0%	26	2.6%
11 p.m.	22	3.7%	14	3.4%	0	0.0%	36	3.5%
Total	587	100.0%	417	100.0%	11	100.0%	1,015	100.0%

Drowsy Driver Crashes			
Hour	Total Crashes		
	All #	Drowsy #	%
Midnight	864	32	3.7%
1 a.m.	592	41	6.9%
2 a.m.	491	42	8.6%
3 a.m.	362	38	10.5%
4 a.m.	416	37	8.9%
5 a.m.	819	54	6.6%
6 a.m.	1,487	70	4.7%
7 a.m.	3,050	74	2.4%
8 a.m.	3,226	51	1.6%
9 a.m.	2,398	42	1.8%
10 a.m.	2,367	28	1.2%
11 a.m.	2,697	38	1.4%
Noon	3,336	33	1.0%
1 p.m.	3,269	50	1.5%
2 p.m.	3,542	63	1.8%
3 p.m.	4,173	63	1.5%
4 p.m.	4,386	61	1.4%
5 p.m.	5,209	45	0.9%
6 p.m.	3,954	26	0.7%
7 p.m.	2,703	22	0.8%
8 p.m.	2,006	25	1.2%
9 p.m.	1,897	18	0.9%
10 p.m.	1,402	26	1.9%
11 p.m.	991	36	3.6%
Total	55,637	1,015	1.8%



- Drowsy driver total crashes were highest during the hours of 6:00-7:59 a.m. and 2:00-4:59 p.m.
- The percent of crashes involving drowsy drivers was highest during the hours of 1:00-5:59 a.m.