

# Alcohol-Impaired Drivers



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## Section 3: Alcohol-Impaired Drivers

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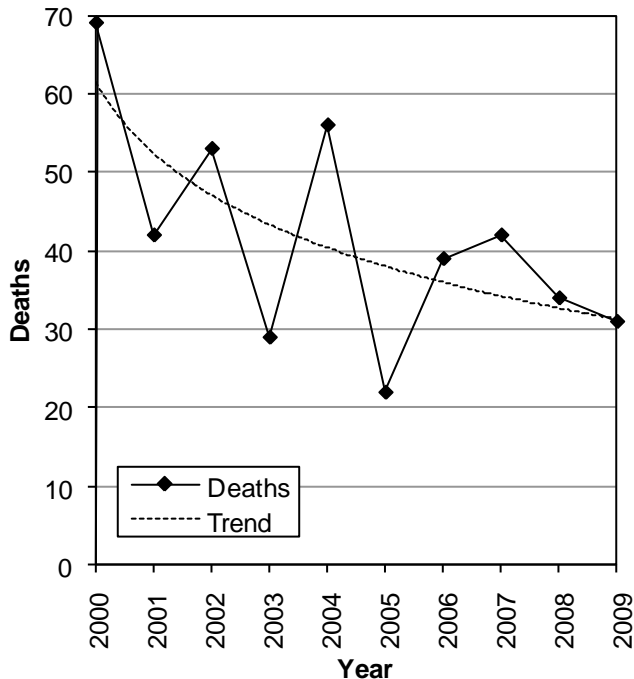
## Trends

### Fatal Crashes Involving Alcohol-Impaired Drivers (Utah 2000-2009)

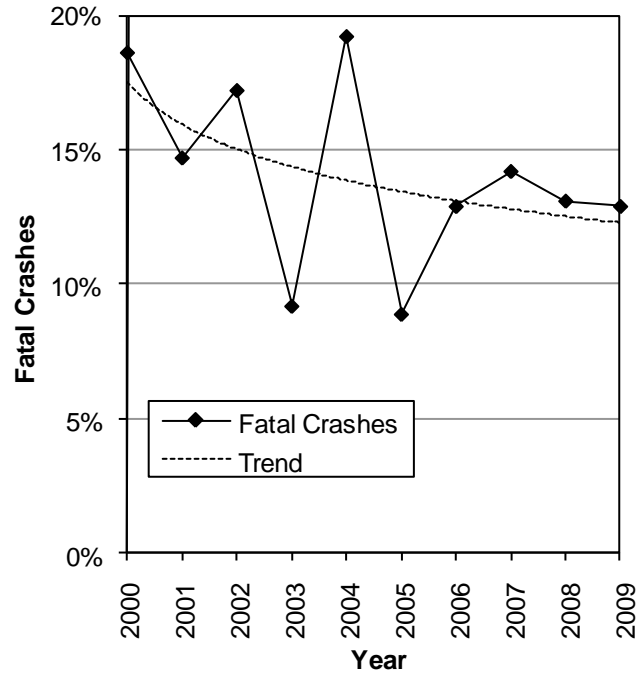
Year	Alcohol-Impaired Driver Crashes					
	Deaths			Fatal Crashes		
	All #	Alcohol #	%	All #	Alcohol #	%
2000	373	69	18.5%	318	59	18.6%
2001	291	42	14.4%	258	38	14.7%
2002	328	53	16.2%	274	47	17.2%
2003	309	29	9.4%	262	24	9.2%
2004	296	56	18.9%	260	50	19.2%
2005	282	22	7.8%	235	21	8.9%
2006	287	39	13.6%	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%
<b>Total</b>	<b>2,985</b>	<b>417</b>	<b>14.0%</b>	<b>2,577</b>	<b>368</b>	<b>14.3%</b>

- Over the past 10 years, the percentage of deaths and fatal crashes involving alcohol-impaired drivers has fluctuated around 14% of all deaths and fatal crashes.
- On average, 42 people die a year in Utah from alcohol-impaired driver crashes.

#### Deaths Involving Alcohol-Impaired Drivers (Utah 2000-2009)



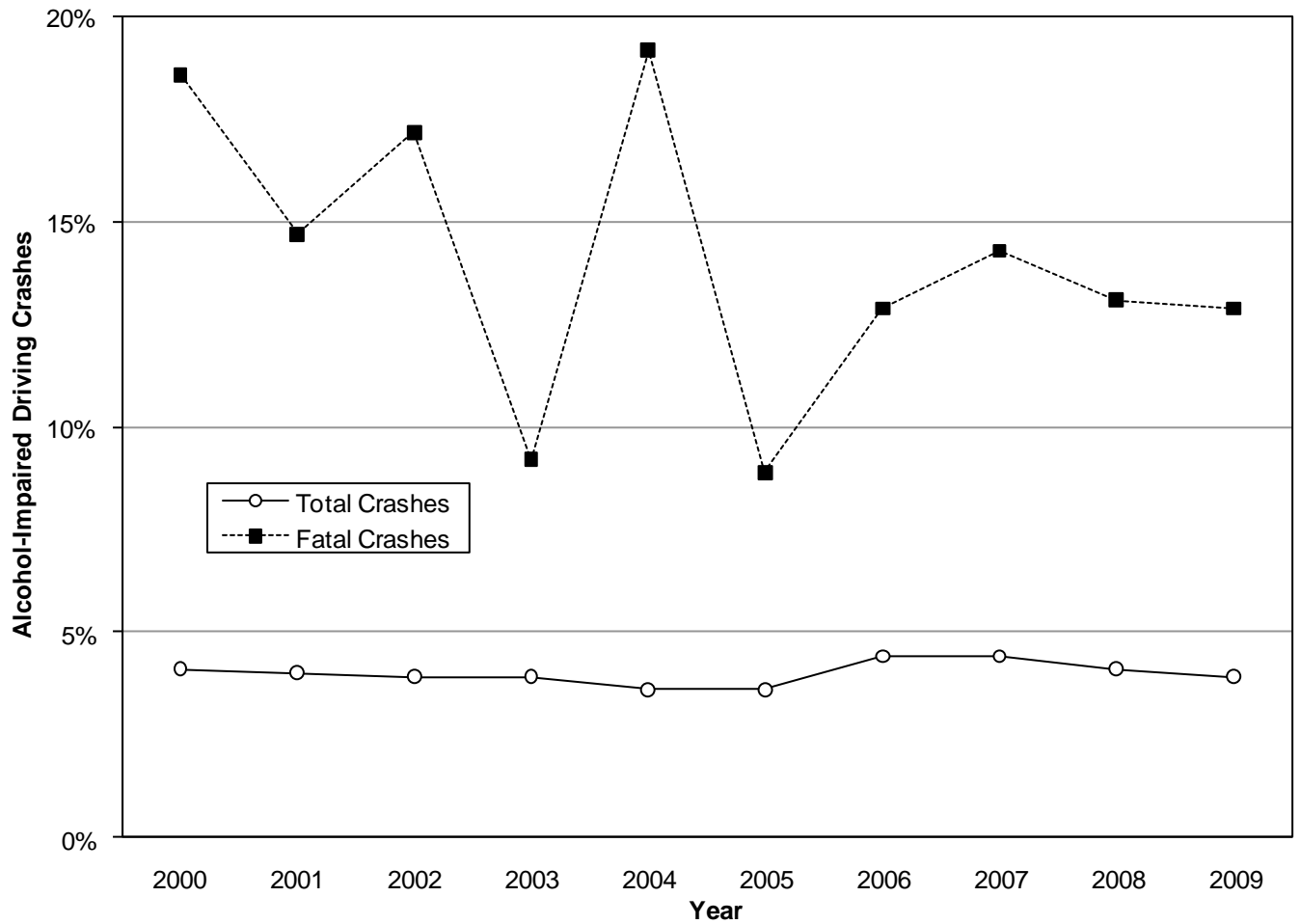
#### Fatal Crashes Involving Alcohol-Impaired Drivers (Utah 2000-2009)



- The number of deaths from alcohol-impaired drivers has fluctuated from year to year with a decreasing trend over the last ten years.
- The percentage of fatal crashes involving alcohol-impaired drivers has fluctuated from year to year with a decreasing trend over the last ten years.

## Alcohol-Impaired Driver Crashes (Utah 2000-2009)

Alcohol-Impaired Driver Crashes												
Year	Property Damage Only			Injury			Fatal			Total		
	All	Alcohol		All	Alcohol		All	Alcohol		All	Alcohol	
	#	#	%	#	#	%	#	#	%	#	#	%
2000	33,269	951	2.9%	19,564	1,152	5.9%	318	59	18.6%	53,151	2,162	4.1%
2001	33,113	932	2.8%	19,332	1,152	6.0%	258	38	14.7%	52,703	2,122	4.0%
2002	33,542	924	2.8%	19,552	1,117	5.7%	274	47	17.2%	53,368	2,088	3.9%
2003	31,842	904	2.8%	18,285	1,024	5.6%	262	24	9.2%	50,389	1,952	3.9%
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%
<b>Total</b>	<b>355,583</b>	<b>10,514</b>	<b>3.0%</b>	<b>185,461</b>	<b>10,922</b>	<b>5.9%</b>	<b>2,576</b>	<b>368</b>	<b>14.3%</b>	<b>543,620</b>	<b>21,804</b>	<b>4.0%</b>



- Over the past 10 years, 4.0% of total crashes involved alcohol-impaired drivers compared with 14.3% of fatal crashes.
- Over the past 10 years, alcohol-impaired driver crashes were 4 times more likely to be fatal than crashes not involving an alcohol-impaired driver.

## Counties

### Alcohol-Impaired Driver Crashes by County (Utah 2009)

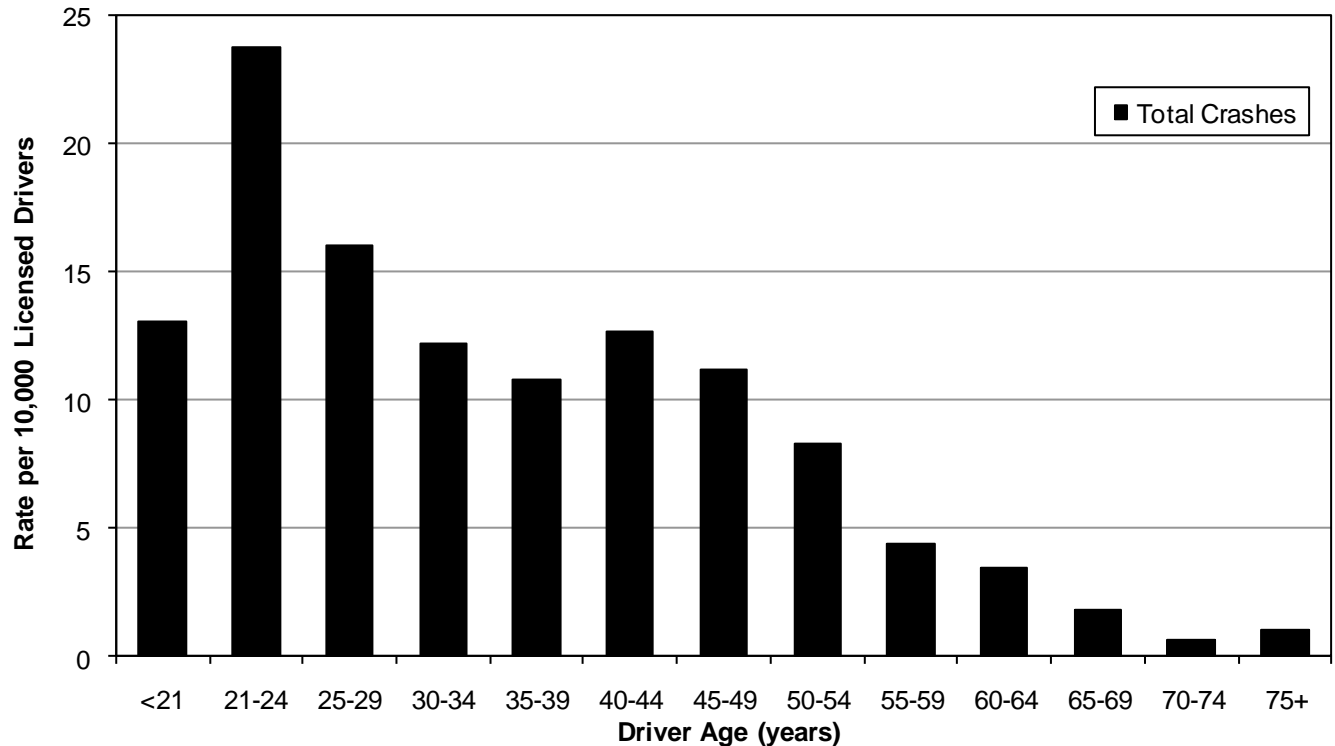
Alcohol-Impaired Driver Crashes								
County	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	Rate per 100 Million VMT	#	Rate per 100 Million VMT	#	Rate per 100 Million VMT	#	Rate per 100 Million VMT
Uintah	20	5.6	24	6.8	0	0.00	44	12.4
Rich	1	2.1	4	8.2	1	2.06	6	12.4
Salt Lake	567	6.7	384	4.5	5	0.06	956	11.2
Duchesne	12	5.2	9	3.9	2	0.87	23	10.0
Weber	90	5.5	68	4.2	3	0.18	161	9.9
Carbon	10	3.4	16	5.4	0	0.00	26	8.7
Summit	23	3.2	28	3.9	2	0.28	53	7.5
Cache	41	4.8	19	2.2	1	0.12	61	7.1
Sevier	11	3.2	13	3.8	0	0.00	24	7.0
Garfield	5	4.2	3	2.5	0	0.00	8	6.8
Washington	39	2.9	51	3.7	1	0.07	91	6.7
Kane	3	2.1	5	3.5	1	0.70	9	6.3
Sanpete	8	3.7	5	2.3	0	0.00	13	6.0
Morgan	4	3.0	4	3.0	0	0.00	8	6.0
Utah	111	3.0	92	2.5	0	0.00	203	5.6
Beaver	4	1.6	8	3.2	1	0.40	13	5.2
Davis	77	2.8	63	2.3	1	0.04	141	5.2
Tooele	18	2.2	23	2.8	1	0.12	42	5.1
Box Elder	13	1.4	27	2.9	1	0.11	41	4.5
Grand	4	1.2	7	2.1	3	0.88	14	4.1
Iron	16	2.3	11	1.6	0	0.00	27	3.8
San Juan	5	1.7	5	1.7	1	0.35	11	3.8
Millard	8	1.8	7	1.5	2	0.44	17	3.7
Piute	0	0.0	1	3.3	0	0.00	1	3.3
Wasatch	5	1.6	2	0.7	1	0.33	8	2.6
Emery	6	1.8	1	0.3	1	0.31	8	2.5
Wayne	0	0.0	1	2.4	0	0.00	1	2.4
Juab	7	1.8	2	0.5	0	0.00	9	2.3
Daggett	0	0.0	0	0.0	0	0.00	0	0.0
<b>Statewide</b>	<b>1,108</b>	<b>4.2</b>	<b>883</b>	<b>3.4</b>	<b>28</b>	<b>0.11</b>	<b>2,019</b>	<b>7.7</b>

- Uintah (12.4), Rich (12.4), and Salt Lake (11.2) counties had the highest rates of alcohol-impaired driver total crashes per 100 million vehicle miles traveled.
- Daggett (0.0), Juab (2.3), and Wayne (2.4) counties had the lowest rates of alcohol-impaired driver total crashes per 100 million vehicle miles traveled.

# Drivers

## Age of Alcohol-Impaired Drivers in Crashes (Utah 2009)

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	135	12.1%	8.0	85	9.5%	5.0	2	7.1%	0.12	222	10.9%	13.1
21-24	216	19.3%	13.4	165	18.4%	10.2	3	10.7%	0.19	384	18.8%	23.8
25-29	180	16.1%	8.2	171	19.1%	7.8	2	7.1%	0.09	353	17.3%	16.0
30-34	144	12.9%	7.0	106	11.8%	5.1	3	10.7%	0.15	253	12.4%	12.2
35-39	103	9.2%	6.0	78	8.7%	4.6	3	10.7%	0.18	184	9.0%	10.8
40-44	91	8.1%	6.3	87	9.7%	6.0	6	21.4%	0.41	184	9.0%	12.7
45-49	83	7.4%	5.6	76	8.5%	5.1	6	21.4%	0.41	165	8.1%	11.2
50-54	68	6.1%	4.7	50	5.6%	3.5	1	3.6%	0.07	119	5.8%	8.3
55-59	29	2.6%	2.3	25	2.8%	2.0	1	3.6%	0.08	55	2.7%	4.4
60-64	18	1.6%	1.8	15	1.7%	1.5	1	3.6%	0.10	34	1.7%	3.4
65-69	8	0.7%	1.1	5	0.6%	0.7	0	0.0%	0.00	13	0.6%	1.8
70-74	0	0.0%	0.0	3	0.3%	0.6	0	0.0%	0.00	3	0.1%	0.6
75+	5	0.4%	0.6	4	0.4%	0.4	0	0.0%	0.00	9	0.4%	1.0
Unknown	39	3.5%	n/a	26	2.9%	n/a	0	0.0%	n/a	65	3.2%	n/a
<b>Total</b>	<b>1,119</b>	<b>100.0%</b>	<b>6.2</b>	<b>896</b>	<b>100.0%</b>	<b>5.0</b>	<b>28</b>	<b>100.0%</b>	<b>0.15</b>	<b>2,043</b>	<b>100.0%</b>	<b>11.3</b>



- Drivers aged 21-24 years had the highest rate of total alcohol-impaired driver crashes (23.8).
- Drivers aged 40-49 years had the highest rate of alcohol-impaired driver fatal crashes (0.41).
- 222 (10.9%) of the impaired drivers in total crashes were under the age of 21 years.
- Two of the 28 (7.1%) 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 (5.6%).

## Drivers

### Gender of Alcohol-Impaired Drivers in Crashes (Utah 2009)

Alcohol-Impaired Drivers								
Gender	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Male	829	74.1%	656	73.2%	22	78.6%	1,507	73.8%
Female	263	23.5%	221	24.7%	6	21.4%	490	24.0%
Unknown	27	2.4%	19	2.1%	0	0.0%	46	2.3%
<b>Total</b>	<b>1,119</b>	<b>100.0%</b>	<b>896</b>	<b>100.0%</b>	<b>28</b>	<b>100.0%</b>	<b>2,043</b>	<b>100.0%</b>

- Male drivers were much more likely to be an alcohol-impaired driver in a crash. Male drivers represented 73.8% of the impaired drivers in total crashes and 78.6% of impaired drivers in fatal crashes.

### Drivers in Fatal Crashes by Blood Alcohol Concentration (Utah 2009)

All Drivers in Fatal Crashes		
BAC	Drivers	
	#	%
.00	100	29.0%
.01 - .07	9	2.6%
.08 - .15	9	2.6%
.16 - .23	14	4.1%
.24 - .31	5	1.4%
.32+	0	0.0%
Not Tested/Unknown	208	60.3%
<b>Total</b>	<b>345</b>	<b>100.0%</b>



- Of the 137 drivers in fatal crashes who were tested for alcohol, 100 (73.0%) had a blood alcohol concentration (BAC) of 0.00, 9 (6.6%) had a BAC of 0.01-0.07, and 28 (20.4%) were over the legal limit of 0.08.
- 19 out of the 28 (67.9%) 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 2009)

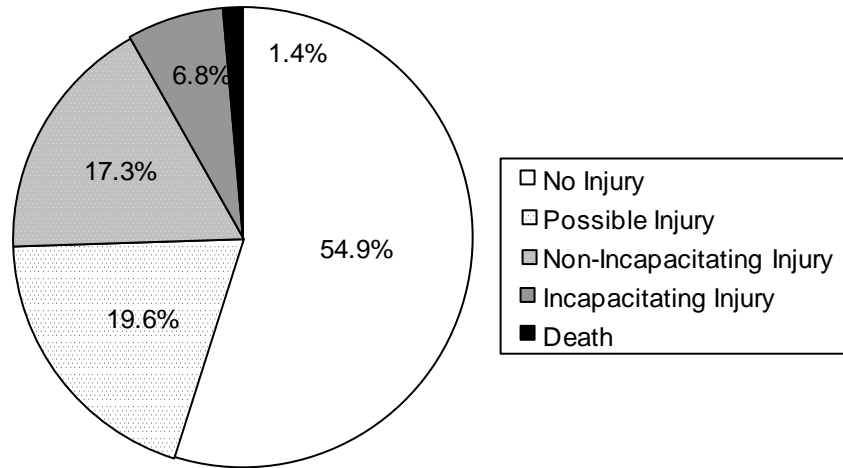
- Of the 28 alcohol-impaired drivers in fatal crashes, four drivers (14.3%) had been previously convicted of driving under the influence in the past three years.

### Drug-Impaired Drivers in Crashes (Utah 2009)

- There were an additional 561 drivers impaired by drugs only, 265 (47.2%) in property damage only crashes, 273 (48.7%) in injury crashes, and 23 (4.1%) in fatal crashes.
- Depressants (diazepam, nordiazepam), narcotics (oxycodone, morphine), cannabinoids (marijuana), and stimulants (methamphetamine) were the most common drugs for drug-impaired drivers in fatal crashes.

# Crash Conditions

## Alcohol-Impaired Driver Crash Severity (Utah 2009)



- Alcohol-impaired driver crashes were more likely to have a death or injury than other crashes.
- A higher percentage of alcohol-impaired driver crashes (43.7%) resulted in an injury compared to all motor vehicle crashes that resulted in an injury (30.7%).
- In addition, a higher percentage of alcohol-impaired driver crashes were fatal (1.4%) compared to all motor vehicle crashes (0.4%).

## Alcohol-Impaired Driver Crashes by Month (Utah 2009)

Alcohol-Impaired Driver Crashes									
Month	# of Days	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
		#	Rate per Day	#	Rate per Day	#	Rate per Day	#	Rate per Day
January	31	112	3.6	72	2.3	0	0.00	184	5.9
February	28	86	3.1	46	1.6	0	0.00	132	4.7
March	31	86	2.8	69	2.2	0	0.00	155	5.0
April	30	86	2.9	85	2.8	3	0.10	174	5.8
May	31	97	3.1	87	2.8	7	0.23	191	6.2
June	30	81	2.7	82	2.7	3	0.10	166	5.5
July	31	87	2.8	76	2.5	2	0.06	165	5.3
August	31	84	2.7	80	2.6	5	0.16	169	5.5
September	30	85	2.8	71	2.4	2	0.07	158	5.3
October	31	92	3.0	78	2.5	4	0.13	174	5.6
November	30	103	3.4	69	2.3	0	0.00	172	5.7
December	31	109	3.5	68	2.2	2	0.06	179	5.8
<b>Total</b>	<b>365</b>	<b>1,108</b>	<b>3.0</b>	<b>883</b>	<b>2.4</b>	<b>28</b>	<b>0.08</b>	<b>2,019</b>	<b>5.5</b>

- Overall, the highest rates per day of alcohol-impaired driver crashes were in May (6.2) and January (5.9) with the lowest rate per day in February (4.7).
- The highest rates per day of fatal alcohol-impaired driver crashes occurred in May and August.

## Crash Conditions

### Alcohol-Impaired Driver Crashes by Day of Week (Utah 2009)

Alcohol-Impaired Driver Crashes								
Day of Week	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Sunday	229	20.7%	172	19.5%	5	17.9%	406	20.1%
Monday	99	8.9%	89	10.1%	6	21.4%	194	9.6%
Tuesday	126	11.4%	92	10.4%	1	3.6%	219	10.8%
Wednesday	114	10.3%	105	11.9%	4	14.3%	223	11.0%
Thursday	138	12.5%	95	10.8%	3	10.7%	236	11.7%
Friday	159	14.4%	138	15.6%	3	10.7%	300	14.9%
Saturday	243	21.9%	192	21.7%	6	21.4%	441	21.8%
<b>Total</b>	<b>1,108</b>	<b>100.0%</b>	<b>883</b>	<b>100.0%</b>	<b>28</b>	<b>100.0%</b>	<b>2,019</b>	<b>100.0%</b>

- 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 Saturday and Monday.

### Alcohol-Impaired Driver Crashes by Hour (Utah 2009)

Alcohol-Impaired Driver Crashes								
Hour	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Midnight	89	8.0%	61	6.9%	6	21.4%	156	7.7%
1 a.m.	93	8.4%	72	8.2%	3	10.7%	168	8.3%
2 a.m.	67	6.0%	64	7.2%	0	0.0%	131	6.5%
3 a.m.	41	3.7%	39	4.4%	1	3.6%	81	4.0%
4 a.m.	46	4.2%	33	3.7%	1	3.6%	80	4.0%
5 a.m.	28	2.5%	29	3.3%	0	0.0%	57	2.8%
6 a.m.	18	1.6%	19	2.2%	0	0.0%	37	1.8%
7 a.m.	21	1.9%	11	1.2%	0	0.0%	32	1.6%
8 a.m.	19	1.7%	17	1.9%	2	7.1%	38	1.9%
9 a.m.	9	0.8%	10	1.1%	1	3.6%	20	1.0%
10 a.m.	16	1.4%	13	1.5%	2	7.1%	31	1.5%
11 a.m.	17	1.5%	12	1.4%	0	0.0%	29	1.4%
Noon	19	1.7%	10	1.1%	0	0.0%	29	1.4%
1 p.m.	23	2.1%	23	2.6%	2	7.1%	48	2.4%
2 p.m.	41	3.7%	24	2.7%	0	0.0%	65	3.2%
3 p.m.	36	3.2%	25	2.8%	1	3.6%	62	3.1%
4 p.m.	44	4.0%	44	5.0%	1	3.6%	89	4.4%
5 p.m.	44	4.0%	36	4.1%	1	3.6%	81	4.0%
6 p.m.	54	4.9%	53	6.0%	1	3.6%	108	5.3%
7 p.m.	72	6.5%	53	6.0%	0	0.0%	125	6.2%
8 p.m.	64	5.8%	51	5.8%	4	14.3%	119	5.9%
9 p.m.	69	6.2%	58	6.6%	1	3.6%	128	6.3%
10 p.m.	94	8.5%	63	7.1%	1	3.6%	158	7.8%
11 p.m.	84	7.6%	63	7.1%	0	0.0%	147	7.3%
<b>Total</b>	<b>1,108</b>	<b>100.0%</b>	<b>883</b>	<b>100.0%</b>	<b>28</b>	<b>100.0%</b>	<b>2,019</b>	<b>100.0%</b>

- Alcohol-impaired driver total crashes peaked in the evening and early morning hours (6:00 p.m. to 2:59 a.m.).
- Fatal alcohol-impaired driver crashes varied by hour and peaked at midnight and 8:00 p.m.

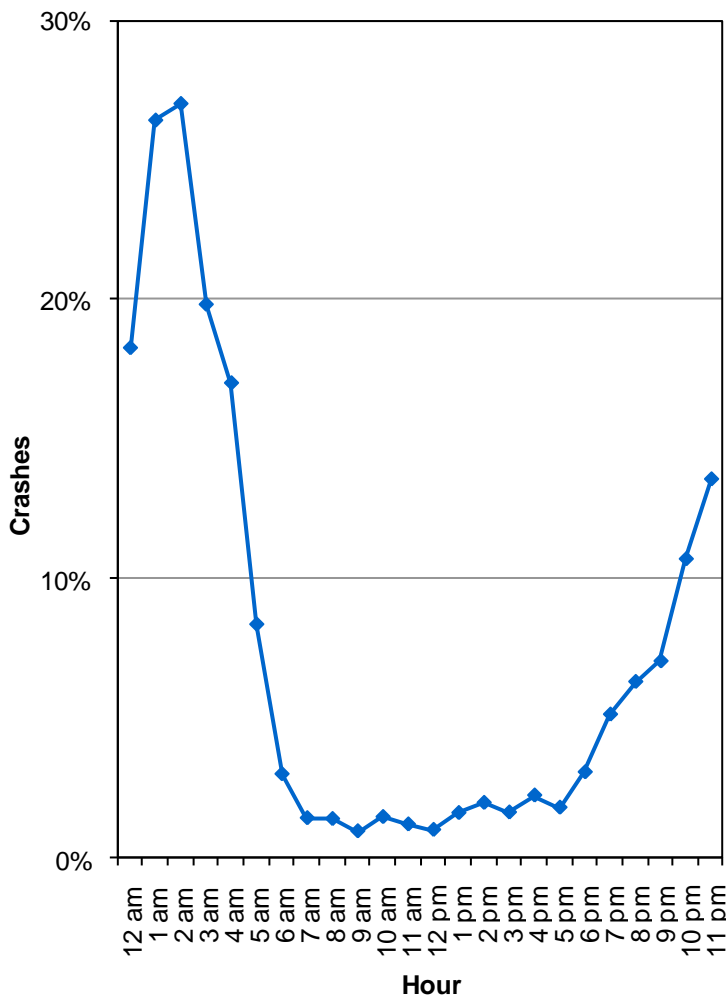
## Did you know in 2009:

- 2,019 alcohol-impaired driver crashes occurred in Utah which resulted in 1,288 injured persons and 31 deaths.
- Alcohol-impaired driver crashes were 3.7 times more likely to be fatal than other crashes.
- The number of alcohol-impaired driver fatal crashes decreased 13% in 2009 from 2008.

## Alcohol-Impaired Drivers

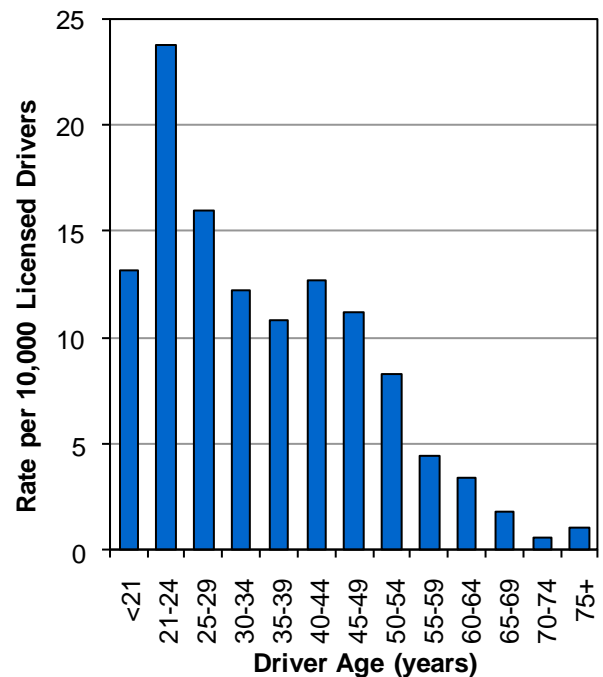


### Percent of Total Crashes with an Alcohol-Impaired Driver by Hour (Utah 2009)



- While 4% of total crashes involved an alcohol-impaired driver, nearly one-fourth (22%) of crashes occurring during the hours of 12:00 a.m.-4:59 a.m. involved an alcohol-impaired driver.

### Rate of Alcohol-Impaired Drivers in Crashes per Licensed Driver (Utah 2009)



- Drivers aged 21 to 24 years had the highest rates of alcohol-impaired crashes.
- Of the impaired drivers, 222 (11%) were under the age of 21 years.



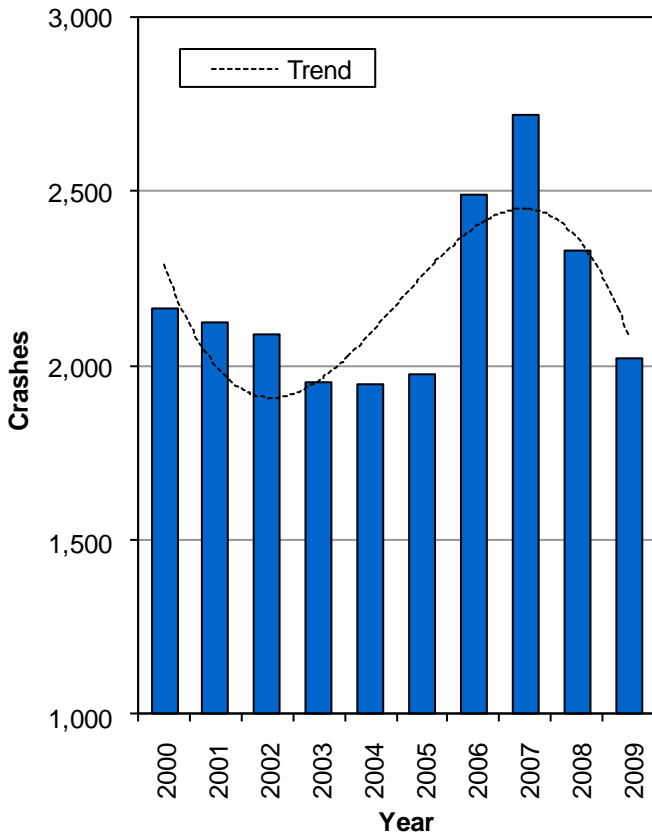
### Previous DUI (Utah 2009)

- 14% of the alcohol-impaired drivers in fatal crashes were previously convicted of driving under the influence in the past three years.

## Alcohol-Impaired Drivers

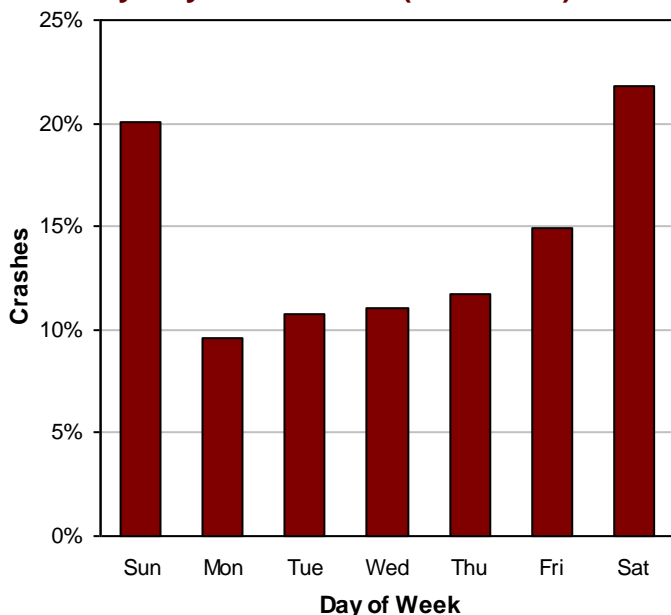


### Alcohol-Impaired Driver Crashes (Utah 2000-2009)



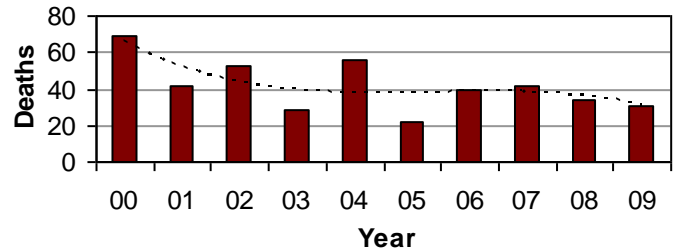
- The number of alcohol-impaired driver crashes has shown a decreasing trend over the last two years.

### Alcohol-Impaired Driver Crashes by Day of the Week (Utah 2009)



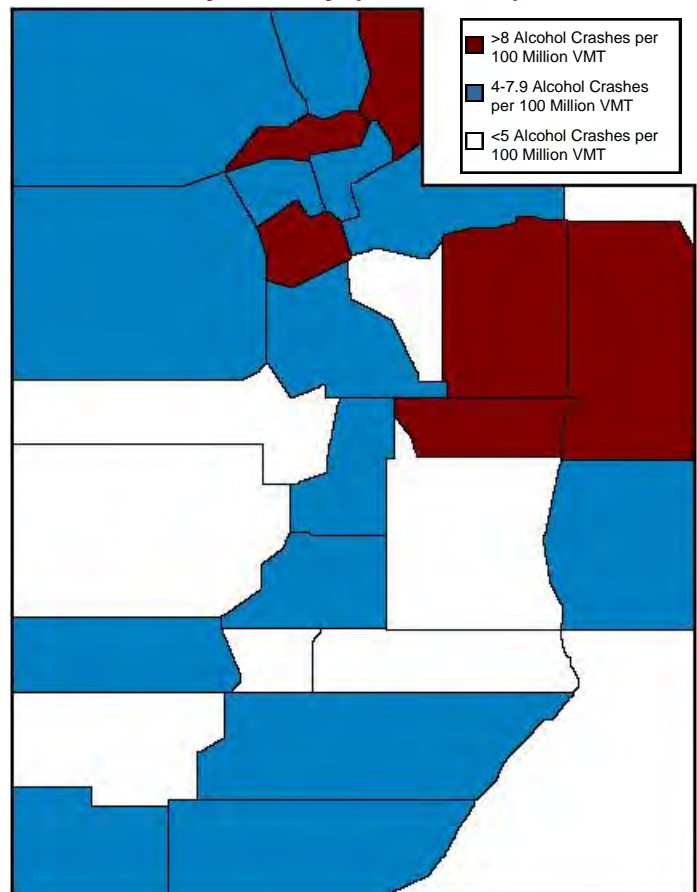
- The highest percentage of alcohol-impaired driver crashes occurred on weekends (42%).

### Deaths from Alcohol-Impaired Drivers (Utah 2000-2009)



- The number of deaths from alcohol-impaired drivers has fluctuated from year to year with a slight decreasing trend over the last 10 years.

### Alcohol-Impaired Driver Crashes by County (Utah 2009)



- Uintah, Rich, and Salt Lake Counties had the highest rates of alcohol-impaired driver crashes per vehicle miles traveled (VMT).
- Daggett, Juab, and Wayne Counties had the lowest rates of alcohol-impaired driver crashes per VMT.