

Overview

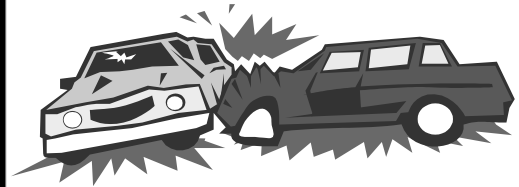
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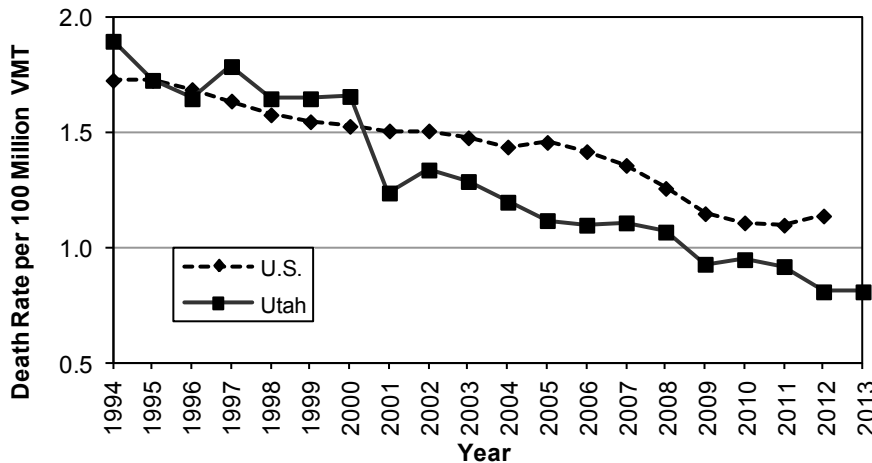
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Trends

Utah vs. U.S. Death Rate per 100 Million Vehicle Miles Traveled, 1994-2013

Death Rate per Miles Traveled

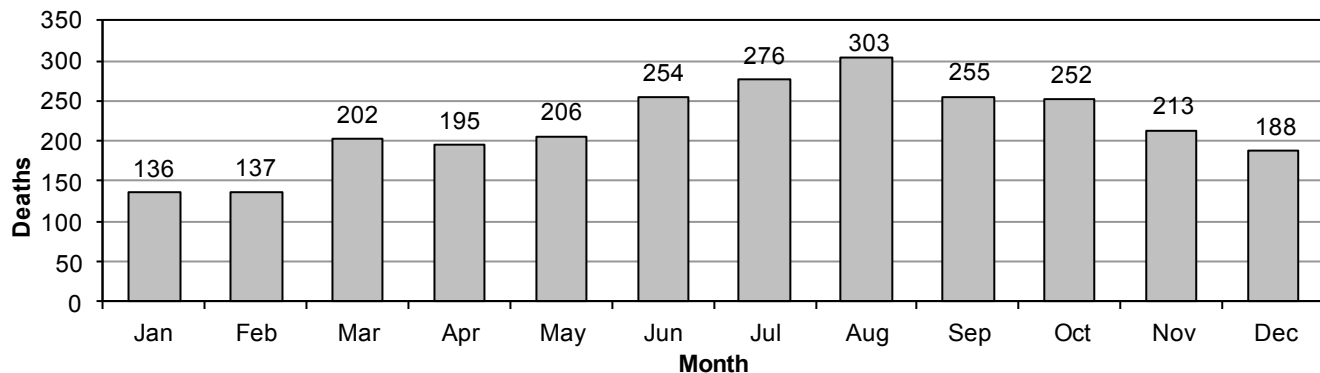
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
U.S.	1.73	1.73	1.69	1.64	1.58	1.55	1.53	1.51	1.51	1.48	1.44	1.46	1.42	1.36	1.26	1.15	1.11	1.10	1.14	
Utah	1.90	1.73	1.65	1.79	1.65	1.65	1.66	1.24	1.34	1.29	1.20	1.12	1.10	1.11	1.07	0.93	0.95	0.92	0.81	0.81



- In 2012, the Utah death rate per 100 million vehicle miles traveled was 0.81 which was lower than the U.S. rate of 1.14.
- The Utah death rate per 100 million vehicle miles traveled has been lower than the U.S. rate since 2001. This somewhat dispels the notion that drivers in Utah are worse than other drivers in the U.S.

U.S. SOURCE: National Highway Traffic Safety Administration

Deaths by Month (Utah 2004-2013)



Deaths													
Year	Month												Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
2004	9	15	28	20	25	31	28	40	31	26	25	18	296
2005	16	22	14	18	18	25	25	37	31	30	25	21	282
2006	22	15	23	17	14	26	29	33	31	33	23	21	287
2007	16	13	24	35	24	31	35	26	30	26	21	18	299
2008	23	9	12	12	31	30	29	32	23	28	25	22	276
2009	15	17	27	24	21	20	25	32	19	18	13	13	244
2010	8	9	20	22	23	24	28	24	24	28	18	25	253
2011	16	9	21	14	12	28	22	30	30	21	17	23	243
2012	7	15	20	14	23	16	25	22	17	20	23	15	217
2013	4	13	13	19	15	23	30	27	19	22	23	12	220
Total	136	137	202	195	206	254	276	303	255	252	213	188	2,617

- In the last 10 years, August (303) and July (276) had the highest total number of motor vehicle crash deaths while January (136) and February (137) had the fewest.
- In 2013, July (30) and August (27) had the highest number of deaths while January (4) had the fewest.

Trends

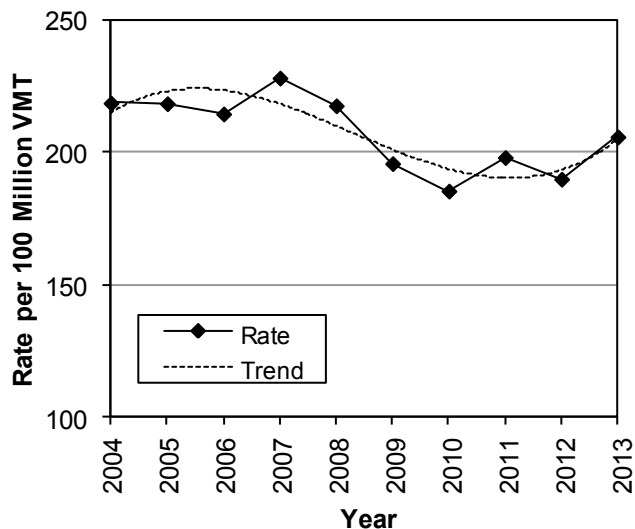
Crashes (Utah 2004-2013)

Year	Crashes							
	Property Damage Only		Injury		Fatal		Total	
	#	Rate per 100 Million VMT	#	Rate per 100 Million VMT	#	Rate per 100 Million VMT	#	Rate per 100 Million VMT
2004	34,222	138.9	19,423	78.8	260	1.06	53,905	218.8
2005	35,158	139.9	19,545	77.8	235	0.94	54,938	218.6
2006	37,674	144.0	18,264	69.8	249	0.95	56,187	214.7
2007	42,368	157.9	18,619	69.4	258	0.96	61,245	228.3
2008	38,997	150.7	17,125	66.2	245	0.95	56,367	217.8
2009	35,398	135.0	15,752	60.1	217	0.83	51,367	195.9
2010	34,155	128.3	14,995	56.3	218	0.82	49,368	185.5
2011	36,418	138.1	15,645	59.3	224	0.85	52,287	198.2
2012	34,635	130.0	15,765	59.2	200	0.75	50,600	190.0
2013	39,301	145.5	16,134	59.7	202	0.75	55,637	206.0
Total	368,326	140.8	171,267	65.5	2,308	0.88	541,901	207.2

NOTE: A crash may result in multiple injuries and/or deaths. See next page for persons.

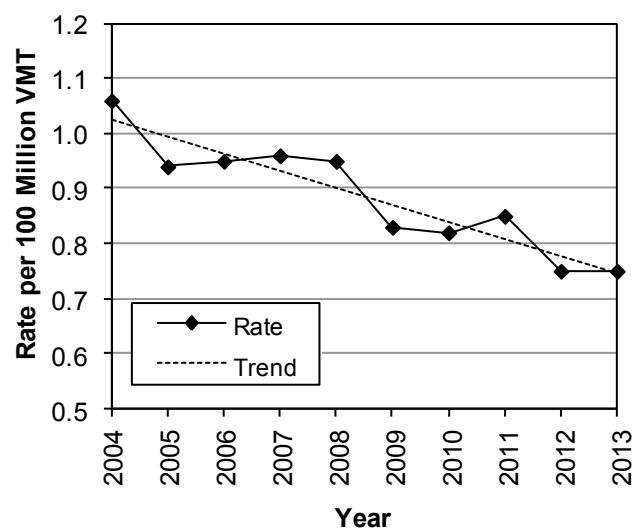
- During the last 10 years, 541,901 motor vehicle crashes occurred in Utah. On average, there are 54,200 crashes a year of which 17,100 involve injuries and 231 involve deaths.
- In 2013, total crashes increased 10% from 2012.
- The 2013 total crash rate per 100 million VMT in Utah was 206.0, a 8.4% increase from 2012.

Crash Rates Per 100 Million Vehicle Miles Traveled (Utah 2004-2013)



- The 2010 total crash rate was the lowest on record (see Appendix for records back to 1947).
- There was a 5.9% decrease in the total crash rate from 2004-2013.

Fatal Crash Rates Per 100 Million Vehicle Miles Traveled (Utah 2004-2013)



- The 2012 and 2013 fatal crash rates were the lowest on record.
- There was a 29.2% decrease in the fatal crash rate from 2004-2013.

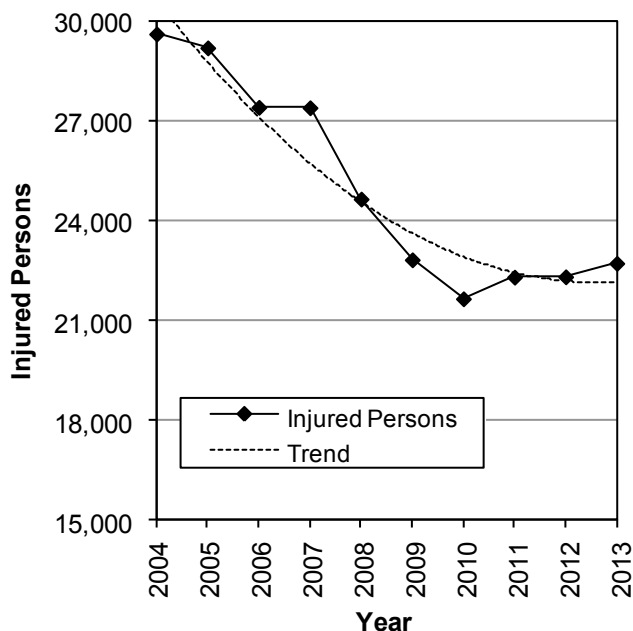
Trends

Persons Involved (Utah 2004-2013)

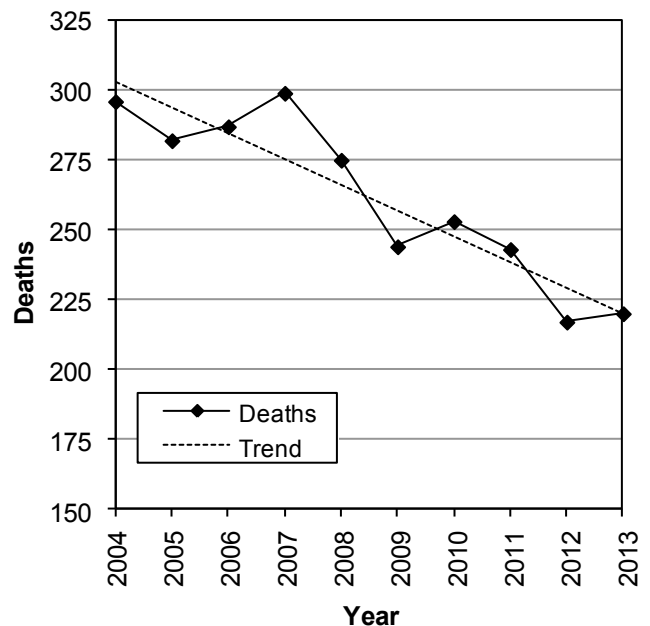
Persons								
Year	Non-Injured		Injured		Killed		Total	
	#	Rate per 100 Million VMT	#	Rate per 100 Million VMT	#	Rate per 100 Million VMT	#	Rate per 100 Million VMT
2004	111,225	451.4	29,638	120.3	296	1.20	141,159	572.8
2005	115,546	459.8	29,221	116.3	282	1.12	145,049	577.2
2006	116,187	444.0	27,433	104.8	287	1.10	143,907	550.0
2007	127,330	474.7	27,420	102.2	299	1.11	155,049	578.0
2008	113,744	439.4	24,673	95.3	276	1.07	138,693	535.8
2009	103,956	396.5	22,847	87.1	244	0.93	127,047	484.6
2010	101,966	383.1	21,675	81.4	253	0.95	123,894	465.5
2011	106,526	403.8	22,325	84.6	243	0.92	129,094	489.4
2012	103,156	387.3	22,336	83.9	217	0.81	125,709	471.9
2013	112,004	414.6	22,740	84.2	220	0.81	134,964	499.6
Total	1,111,640	425.1	250,308	95.7	2,617	1.00	1,364,565	521.8

- During the last 10 years, nearly 1.4 million people have been in a crash. On average over the past 10 years, approximately 25,000 people are injured and 262 people are killed in motor vehicle crashes a year.
- The injury rate per vehicle miles traveled decreased 30% from 2004-2013.
- The death rate per vehicle miles traveled in 2012 and 2013 was the lowest in Utah on record.
- 9,255 more people were in a crash in Utah in 2013; a 7.4% increase from 2012.

Injured Persons by Year (Utah 2004-2013)



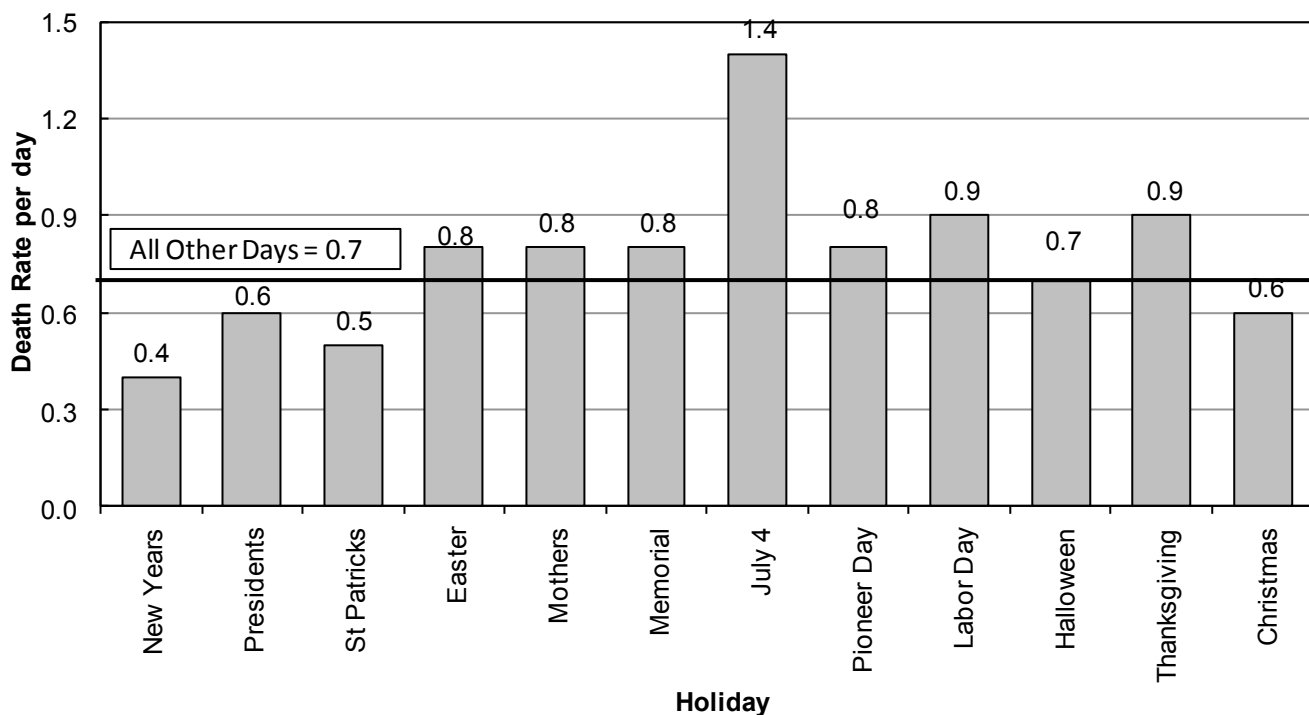
Deaths by Year (Utah 2004-2013)



- There was a 23.3% decrease in the number of people injured over the last 10 years.
- Deaths in 2012 were the lowest total in Utah since 1959.

Trends

Holiday Death Rate Per Day (Utah 2004-2013)



Holiday Deaths

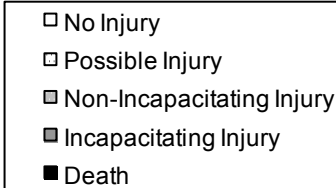
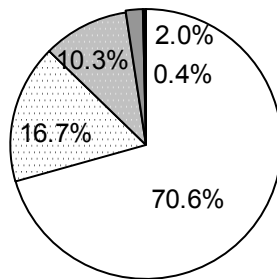
	New Years		Presi-dents		St Patricks		Easter		Mothers		Memorial Day		4th of July		Pioneer Day		Labor Day		Hallow- -een		Thanks- -giving		Christ- -mas		Total	
Year	#	Rate per Day	#	Rate per Day	#	Rate per Day	#	Rate per Day	#	Rate per Day	#	Rate per Day	#	Rate per Day	#	Rate per Day	#	Rate per Day	#	Rate per Day	#	Rate per Day	#	Rate per Day	#	Rate per Day
2004	1	0.2	1	0.3	4	1.3	4	1.3	3	1.0	3	0.8	5	1.7	0	0.0	4	1.0	1	0.3	7	1.4	2	0.7	35	0.8
2005	5	1.7	7	1.8	2	0.4	2	0.7	1	0.3	7	1.8	9	2.3	4	1.3	3	0.8	11	2.8	4	0.8	2	0.7	57	1.3
2006	0	0.0	4	1.0	1	0.3	3	1.0	2	0.7	2	0.5	1	0.3	7	1.8	6	1.5	1	0.3	8	1.6	10	2.5	45	1.0
2007	0	0.0	1	0.3	3	1.0	2	0.7	1	0.3	2	0.5	3	1.0	4	1.3	6	1.5	5	1.7	6	1.2	1	0.3	34	0.9
2008	2	0.7	1	0.3	6	1.5	0	0.0	1	0.3	5	1.3	12	3.0	4	0.8	2	0.5	0	0.0	3	0.6	1	0.2	37	0.8
2009	1	0.2	3	0.8	2	0.7	4	1.3	2	0.7	4	1.0	1	0.3	1	0.3	2	0.5	1	0.3	0	0.0	0	0.0	21	0.5
2010	2	0.5	0	0.0	1	0.3	2	0.7	5	1.7	3	0.8	4	1.3	2	0.7	3	0.8	0	0.0	6	1.2	0	0.0	28	0.7
2011	3	1.0	0	0.0	0	0.0	1	0.3	0	0.0	1	0.3	3	0.8	1	0.3	3	0.8	5	1.3	0	0.0	1	0.3	18	0.4
2012	0	0.0	3	0.8	0	0.0	0	0.0	6	2.0	0	0.0	0	0.0	2	0.7	3	0.8	1	0.3	5	1.0	2	0.7	22	0.5
2013	0	0.0	3	0.8	0	0.0	5	1.7	2	0.7	5	1.3	10	2.0	1	0.3	3	0.8	0	0.0	4	0.8	0	0.0	33	0.8
Total	14	0.4	23	0.6	19	0.5	23	0.8	23	0.8	32	0.8	48	1.4	26	0.8	35	0.9	25	0.7	43	0.9	19	0.6	330	0.8

- Holiday deaths are a concern because of the increased death rate due to risk factors such as fatigue, impaired driving, long distance traveling, speeding, and traveling on unfamiliar roadways.
- Over the past 10 years, the 4th of July Holiday (1.4) had the highest rate of deaths while the New Years Holiday (0.4) and the St. Patrick's Day Holiday (0.5) had the lowest rates.
- In 2013, the 4th of July Holiday had the highest death rate per day (2.0) while the New Years, St. Patrick's, Halloween, and Christmas Holidays had the lowest rates (0.0).
- President's Day, Easter, Mother's Day, Memorial Day, 4th of July, Labor Day, and Thanksgiving Holidays had higher death rates per day than the rate per day for all 2013 days (0.6).

Note: Because of the differing lengths of holiday periods, the rate per day is provided and should be used for comparisons.

Crash Conditions

Crash Severity (Utah 2013)



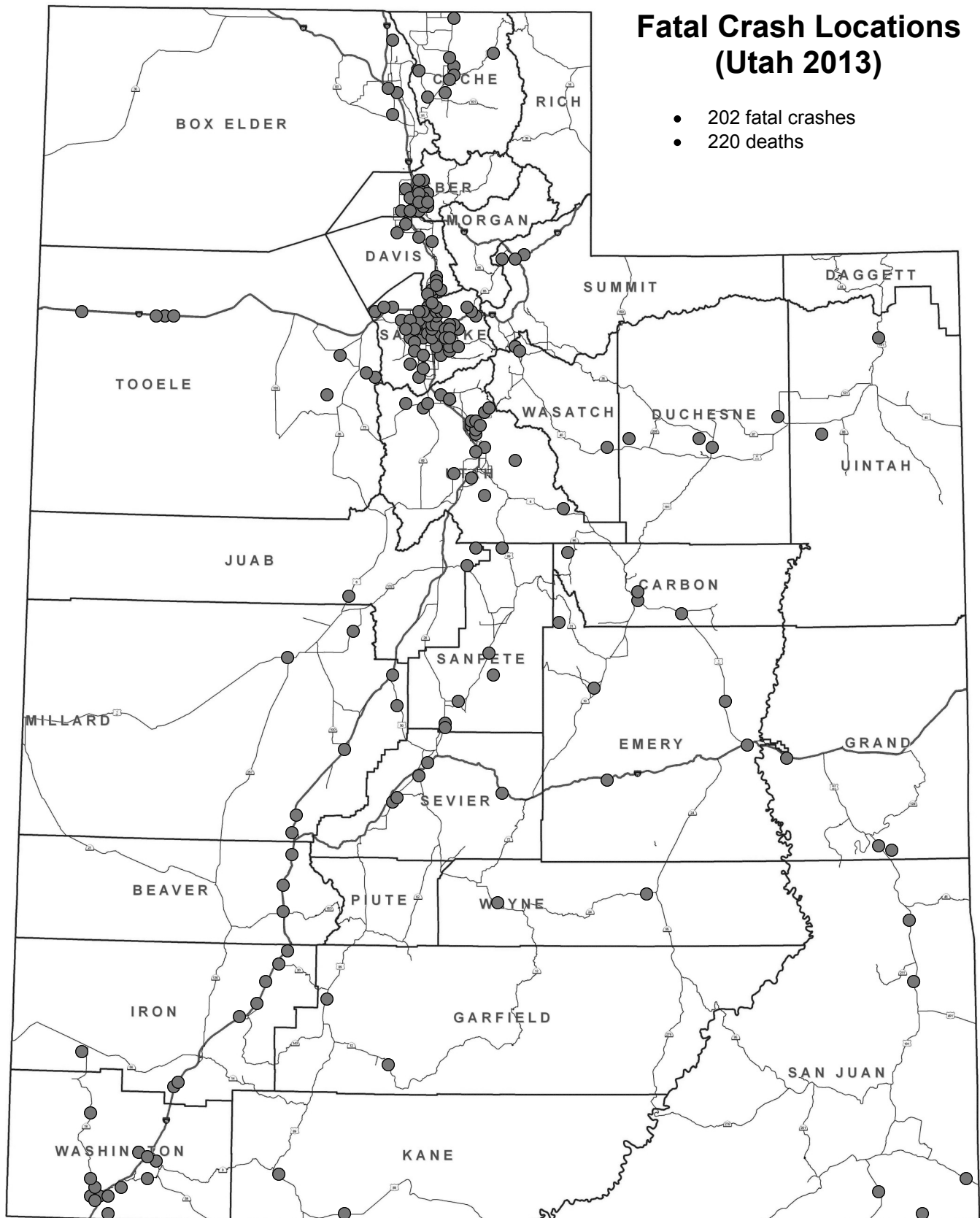
- For crashes that occurred in Utah during 2013, 70.6% resulted in property damage only, 29.0% resulted in some level of injury, and 0.4% involved a death.

Crashes by County (Utah 2013)

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
Salt Lake	18,201	204.9	7,430	83.7	52	0.6	25,683	289.2
Weber	2,747	171.0	1,416	88.2	18	1.1	4,181	260.3
Cache	1,441	163.7	483	54.9	9	1.0	1,933	219.6
Davis	3,633	143.1	1,444	56.9	11	0.4	5,088	200.4
Utah	5,237	132.4	2,368	59.9	20	0.5	7,625	192.7
Wasatch	428	128.4	139	41.7	3	0.9	570	171.0
Duchesne	358	128.4	114	40.9	4	1.4	476	170.7
Uintah	511	121.8	163	38.9	2	0.5	676	161.2
Summit	927	124.3	216	29.0	3	0.4	1,146	153.7
Morgan	162	123.3	32	24.4	0	0.0	194	147.7
Washington	1,334	94.9	724	51.5	13	0.9	2,071	147.3
Rich	42	85.5	28	57.0	0	0.0	70	142.5
Sanpete	198	93.9	92	43.7	6	2.8	296	140.4
Tooele	772	94.3	272	33.2	8	1.0	1,052	128.5
Garfield	105	97.2	27	25.0	2	1.9	134	124.1
Box Elder	720	80.4	311	34.7	4	0.4	1,035	115.6
Iron	594	82.3	219	30.3	8	1.1	821	113.7
Daggett	26	83.9	9	29.1	0	0.0	35	113.0
Kane	143	88.7	36	22.3	2	1.2	181	112.3
Carbon	272	87.7	70	22.6	4	1.3	346	111.5
Wayne	43	90.4	7	14.7	2	4.2	52	109.4
Sevier	229	73.6	103	33.1	5	1.6	337	108.3
Beaver	185	70.0	62	23.5	3	1.1	250	94.6
San Juan	214	68.5	54	17.3	5	1.6	273	87.4
Piute	18	64.1	3	10.7	0	0.0	21	74.8
Millard	260	53.0	95	19.4	7	1.4	362	73.8
Juab	199	50.9	71	18.1	3	0.8	273	69.8
Emery	177	50.3	63	17.9	5	1.4	245	69.7
Grand	125	37.3	83	24.8	3	0.9	211	63.0
Statewide	39,301	145.5	16,134	59.7	202	0.7	55,637	206.0

- Salt Lake (289.2), Weber (260.3), and Cache (219.6) counties had the highest total crash rates per miles traveled.
- Grand (63.0), Emery (69.7), and Juab (69.8) counties had the lowest total crash rates per miles traveled.
- Wayne (4.2), Sanpete (2.8), and Garfield (1.9) counties had the highest fatal crash rates per miles traveled.
- Daggett, Morgan, Piute, and Rich counties had no fatal crashes.

Crash Conditions



Crash Conditions

County Crash Comparison (Utah 2013)

County Crash Comparison												
County	Fatal Crash Rate per VMT Rank	Overall Crash Rate per VMT Rank	Percent of Crash Occupants Unrestrained Rank	Drunk Driving Crash Rate per VMT Rank	Speed Crash Rate per VMT Rank	Distracted Driver Crash Rate per VMT Rank	Teen Driver Crash Rate per VMT Rank	Older Driver Crash Rate per VMT Rank	Motorcycle Crash Rate per Rgstrd Mtrcycl Rank	Pedestrian Crash Rate per Pop. Rank	Bicyclist Crash Rate per Pop. Rank	Total County Highway Safety Ranking
Weber	12	2	20	5	5	3	1	17	18	4	5	8.4
Salt Lake	20	1	25	4	2	2	3	25	17	3	1	9.4
Cache	14	3	28	13	9	1	2	4	21	7	2	9.5
Duchesne	6	7	11	2	6	14	11	21	10	18	9	10.5
Utah	21	5	27	20	4	4	5	2	13	10	6	10.6
Uintah	22	8	8	3	7	8	8	6	26	17	10	11.2
Washington	16	11	18	17	20	6	7	5	15	11	3	11.7
Wasatch	17	6	23	9	3	16	9	13	16	15	14	12.8
Sevier	4	22	2	10	17	22	16	10	23	9	7	12.9
Sanpete	2	13	3	15	18	7	6	28	20	18	20	13.6
Iron	13	17	10	16	15	17	13	22	11	13	8	14.1
Tooele	15	14	19	7	13	11	14	12	25	12	13	14.1
Davis	24	4	29	22	8	5	4	24	24	8	4	14.2
Beaver	11	23	7	24	10	18	19	1	7	18	20	14.4
Garfield	3	15	4	6	19	21	29	20	3	18	20	14.4
Morgan	26	10	14	11	1	20	10	19	9	18	20	14.4
Daggett	26	18	1	1	21	28	23	8	2	18	20	15.1
Wayne	1	21	6	28	22	19	17	15	1	18	20	15.3
Grand	18	29	13	14	26	10	28	11	5	1	15	15.5
Summit	25	9	24	8	11	15	15	26	22	6	12	15.7
Rich	26	12	26	21	14	9	20	7	6	18	20	16.3
Carbon	9	20	15	25	25	12	18	9	27	2	18	16.4
Box Elder	23	16	22	18	12	13	12	29	19	5	16	16.8
San Juan	5	24	5	12	28	25	26	18	12	16	19	17.3
Kane	10	19	21	19	27	23	25	16	4	18	11	17.5
Millard	7	26	17	23	16	24	24	23	8	14	20	18.4
Emery	8	28	12	26	24	29	27	14	14	18	20	20.0
Juab	19	27	16	27	23	26	22	3	28	18	17	20.5
Piute	26	25	9	28	29	27	21	27	29	18	20	23.5
Note:	Rank 1-19 Above State Avg.	Rank 1-3 Above State Avg.	Rank 1-22 Above State Avg.	Rank 1-7 Above State Avg.	Rank 1-4 Above State Avg.	Rank 1-4 Above State Avg.	Rank 1-5 Above State Avg.	Rank 1-6 Above State Avg.	Rank 1-17 Above State Avg.	Rank 1-5 Above State Avg.	Rank 1-2 Above State Avg.	Total Safety Ranking Average = 14.6

This is a comparison developed to evaluate the different counties using a County Highway Safety Ranking. Each County is ranked with 1 being the worst ranking and 29 being the best ranking on various categories. The bottom row shows what counties ranked above the state average for that category. Counties above the state average are marked in gray for that category. The average of all the categories was taken to arrive at an overall ranking.

- Weber, Salt Lake, and Cache Counties were the worst overall counties. Weber County was above the state average in seven of the eleven categories.
- Piute, Juab, and Emery Counties were the best overall counties. Piute County was below the state average in every category except one.
- In 2012, Weber was the worst county and Juab was the best. In 2011, Duchesne was the worst county and Millard was the best. In 2010, Duchesne was the worst county and Piute was the best.

Crash Conditions

Crashes by City (Utah 2013)

Total Crash Rate for Cities With Population 5,000+ or 50+ Crashes											
Rank by Rate	Rank by Total	City	Population	Total Crashes	Rate per 10,000 Pop.	Rank by Rate	Rank by Total	City	Population	Total Crashes	Rate per 10,000 Pop.
1	55	Marriott-Slaterville	1,701	154	905.3	50	9	Orem	88,328	1,394	157.8
2	72	Uintah	1,322	77	582.5	51	82	Morgan	3,687	58	157.3
3	66	Willard	1,772	92	519.2	52	25	Kearns	35,731	546	152.8
4	36	Park City	7,547	383	507.5	53	20	Bountiful	42,552	642	150.9
5	4	Murray	46,746	2,262	483.9	54	60	Tremonton	7,647	114	149.1
6	10	Midvale	27,964	1,294	462.7	55	70	Nephi	5,389	80	148.5
7	16	South Salt Lake	23,617	1,029	435.7	56	35	Magna	26,505	387	146.0
8	38	Riverdale	8,426	344	408.3	57	84	Hyde Park	3,833	55	143.5
9	47	West Bountiful	5,265	210	398.9	58	32	Tooele	31,605	438	138.6
10	6	Taylorsville	58,652	1,926	328.4	59	44	Brigham City	17,899	241	134.6
11	27	North Salt Lake	16,322	516	316.1	60	79	Stansbury Park	5,145	69	134.1
12	14	Draper	40,532	1,250	308.4	61	81	Moab	5,046	66	130.8
13	41	Lindon	10,070	283	281.0	62	43	Washington	18,761	245	130.6
14	52	Farr West	5,928	165	278.3	63	8	Provo	112,488	1,442	128.2
15	3	Sandy	87,461	2,421	276.8	64	28	Riverton	38,753	494	127.5
16	42	Vernal	9,089	249	274.0	65	57	Heber	11,362	141	124.1
17	33	Centerville	15,335	419	273.2	66	77	Harrisville	5,567	69	123.9
18	1	Salt Lake City	186,440	5,034	270.0	67	34	Pleasant Grove	33,509	394	117.6
19	30	Farmington	18,275	452	247.3	68	65	Pleasant View	7,979	92	115.3
20	2	West Valley City	129,480	3,109	240.1	69	78	South Weber	6,051	69	114.0
21	22	American Fork	26,263	621	236.5	70	69	Richfield	7,551	85	112.6
22	50	Bluffdale	7,598	175	230.3	71	40	Kaysville	27,300	299	109.5
23	15	Logan	48,174	1,084	225.0	72	49	Saratoga Springs	17,781	190	106.9
24	58	Roosevelt	6,046	135	223.3	73	56	Hurricane	13,748	143	104.0
25	74	Wellsville	3,432	76	221.4	74	71	Hyrum	7,609	77	101.2
26	37	South Ogden	16,532	362	219.0	75	46	Herriman	21,785	210	96.4
27	80	Beaver	3,112	68	218.5	76	68	Smithfield	9,495	88	92.7
28	45	West Haven	10,272	223	217.1	77	88	Nibley	5,438	47	86.4
29	64	Perry	4,512	96	212.8	78	73	Grantsville	8,893	76	85.5
30	48	Woods Cross	9,761	206	211.0	79	75	Santaquin	9,128	75	82.2
31	11	Millcreek	62,139	1,290	207.6	80	86	Ephraim	6,135	50	81.5
32	17	Lehi	47,407	956	201.7	81	76	West Point	9,511	75	78.9
33	83	Parowan	2,790	56	200.7	82	89	Plain City	5,476	43	78.5
34	54	North Logan	8,269	162	195.9	83	87	Salem	6,423	50	77.8
35	24	Springville	29,466	568	192.8	84	61	Highland	15,523	111	71.5
36	53	Price	8,715	165	189.3	85	51	Syracuse	24,331	171	70.3
37	5	West Jordan	103,712	1,939	187.0	86	59	North Ogden	17,357	120	69.1
38	13	Layton	67,311	1,254	186.3	87	85	Washington Terrace	9,067	54	59.6
39	7	Ogden	82,825	1,537	185.6	88	90	Providence	7,075	42	59.4
40	19	Roy	36,884	682	184.9	89	91	Hooper	7,218	39	54.0
41	21	Spanish Fork	34,691	630	181.6	90	62	Eagle Mountain	21,415	106	49.5
42	26	Clearfield	30,112	536	178.0	91	63	Clinton	20,426	100	49.0
43	67	Sunset	5,122	91	177.7	92	92	Mapleton	7,979	35	43.9
44	23	Cottonwood Heights	33,433	589	176.2	93	96	Enoch	5,803	20	34.5
45	18	South Jordan	50,418	882	174.9	94	95	Ivins	6,753	21	31.1
46	12	St. George	72,897	1,270	174.2	95	97	Santa Clara	6,003	18	30.0
47	39	Payson	18,294	308	168.4	96	93	Cedar Hills	9,796	29	29.6
48	29	Cedar City	28,857	484	167.7	97	94	Alpine	9,555	24	25.1
49	31	Holladay	26,472	441	166.6			Total	2,419,871	47,989	198.3

- The five cities with the highest rates of total crashes per population were Marriott-Slaterville, Uintah, Willard, Park City, and Murray. The five cities with the highest total number of crashes were Salt Lake City, West Valley City, Sandy, Murray, and West Jordan.
- West Jordan (+24) and Millcreek (+23) had the largest increase in rankings from 2012.
- Orem (-17), Provo (-16), Price (-14), and Holladay (-14) had the biggest decrease in rankings from 2012.

Crash Conditions

Urban/Rural Location (Utah 2013)

Crashes								
Location	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
Urban	32,593	169.2	13,865	72.0	123	0.64	46,581	241.8
Rural	6,708	86.6	2,269	29.3	79	1.02	9,056	116.9
Total	39,301	145.5	16,134	59.7	202	0.75	55,637	206.0

- While urban areas had a higher rate of total crashes per vmt, rural areas had a higher fatal crash rate.
- Crashes occurring in rural areas were 3.3 times more likely to result in a death than crashes in urban areas.

Month (Utah 2013)

Crashes								
Month	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	Rate per Day	#	Rate per Day	#	Rate per Day	#	Rate per Day
January	4,762	153.6	1,412	45.5	3	0.10	6,177	199.3
February	3,155	112.7	1,161	41.5	11	0.39	4,327	154.5
March	2,508	80.9	1,167	37.6	13	0.42	3,688	119.0
April	2,437	81.2	1,188	39.6	19	0.63	3,644	121.5
May	2,722	87.8	1,339	43.2	14	0.45	4,075	131.5
June	2,714	90.5	1,309	43.6	18	0.60	4,041	134.7
July	2,948	95.1	1,341	43.3	28	0.90	4,317	139.3
August	2,995	96.6	1,396	45.0	25	0.81	4,416	142.5
September	3,013	100.4	1,403	46.8	18	0.60	4,434	147.8
October	3,307	106.7	1,468	47.4	21	0.68	4,796	154.7
November	3,238	107.9	1,283	42.8	22	0.73	4,543	151.4
December	5,502	177.5	1,667	53.8	10	0.32	7,179	231.6
Total	39,301	107.7	16,134	44.2	202	0.55	55,637	152.4

- Total crash rates per day were highest in December and January.
- The highest rates per day for fatal crashes occurred during July and August.

Day of Week (Utah 2013)

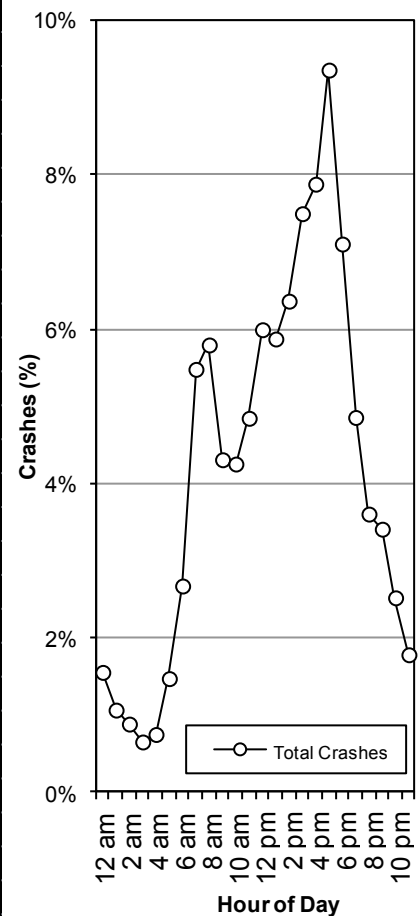
Crashes								
Day of Week	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Sunday	3,149	8.0%	1,362	8.4%	28	13.9%	4,539	8.2%
Monday	5,637	14.3%	2,344	14.5%	35	17.3%	8,016	14.4%
Tuesday	6,359	16.2%	2,498	15.5%	18	8.9%	8,875	16.0%
Wednesday	5,511	14.0%	2,313	14.3%	24	11.9%	7,848	14.1%
Thursday	6,474	16.5%	2,601	16.1%	35	17.3%	9,110	16.4%
Friday	6,541	16.6%	2,718	16.8%	32	15.8%	9,291	16.7%
Saturday	5,630	14.3%	2,298	14.2%	30	14.9%	7,958	14.3%
Total	39,301	100.0%	16,134	100.0%	202	100.0%	55,637	100.0%

- The highest percentage of total crashes occurred on Friday and Thursday.
- The highest percentage of fatal crashes occurred on Monday and Thursday.
- Crashes on the weekend were 1.4 times more likely to be fatal than weekday crashes.

Crash Conditions

Hour (Utah 2013)

Hour	Crashes							
	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Midnight	644	1.6%	216	1.3%	4	2.0%	864	1.6%
1 a.m.	417	1.1%	171	1.1%	4	2.0%	592	1.1%
2 a.m.	356	0.9%	132	0.8%	3	1.5%	491	0.9%
3 a.m.	266	0.7%	95	0.6%	1	0.5%	362	0.7%
4 a.m.	315	0.8%	99	0.6%	2	1.0%	416	0.7%
5 a.m.	604	1.5%	208	1.3%	7	3.5%	819	1.5%
6 a.m.	1,099	2.8%	382	2.4%	6	3.0%	1,487	2.7%
7 a.m.	2,174	5.5%	867	5.4%	9	4.5%	3,050	5.5%
8 a.m.	2,347	6.0%	871	5.4%	8	4.0%	3,226	5.8%
9 a.m.	1,725	4.4%	665	4.1%	8	4.0%	2,398	4.3%
10 a.m.	1,719	4.4%	639	4.0%	9	4.5%	2,367	4.3%
11 a.m.	1,923	4.9%	767	4.8%	7	3.5%	2,697	4.8%
Noon	2,366	6.0%	957	5.9%	13	6.4%	3,336	6.0%
1 p.m.	2,305	5.9%	946	5.9%	18	8.9%	3,269	5.9%
2 p.m.	2,481	6.3%	1,052	6.5%	9	4.5%	3,542	6.4%
3 p.m.	2,856	7.3%	1,306	8.1%	11	5.4%	4,173	7.5%
4 p.m.	3,043	7.7%	1,332	8.3%	11	5.4%	4,386	7.9%
5 p.m.	3,539	9.0%	1,655	10.3%	15	7.4%	5,209	9.4%
6 p.m.	2,767	7.0%	1,176	7.3%	11	5.4%	3,954	7.1%
7 p.m.	1,910	4.9%	781	4.8%	12	5.9%	2,703	4.9%
8 p.m.	1,371	3.5%	621	3.8%	14	6.9%	2,006	3.6%
9 p.m.	1,349	3.4%	539	3.3%	9	4.5%	1,897	3.4%
10 p.m.	1,028	2.6%	369	2.3%	5	2.5%	1,402	2.5%
11 p.m.	697	1.8%	288	1.8%	6	3.0%	991	1.8%
Total	39,301	100.0%	16,134	100.0%	202	100.0%	55,637	100.0%



- Total crashes were more likely to occur between 2:00 p.m. and 6:59 p.m., with a peak at 5:00 p.m.
- Fatal crashes were highest during the 1:00 p.m. hour.

Light Condition (Utah 2013)

Light Condition	Crashes							
	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Daylight	26,975	68.6%	11,515	71.4%	124	61.4%	38,614	69.4%
Dark	10,392	26.4%	3,842	23.8%	67	33.2%	14,301	25.7%
Dawn/Dusk	1,915	4.9%	776	4.8%	9	4.5%	2,700	4.9%
Unknown	19	0.0%	1	0.0%	2	1.0%	22	0.0%
Total	39,301	100.0%	16,134	100.0%	202	100.0%	55,637	100.0%

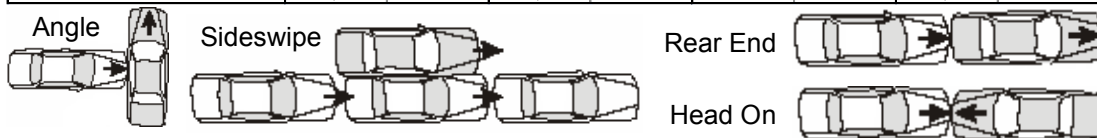
- The majority (69.4%) of crashes occurred during daylight.
- One-third (33.2%) of fatal crashes occurred during dark conditions.

Crash Conditions

Collision Description (Utah 2013)

Collision Description	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Single Vehicle	12,135	30.9%	5,135	31.8%	137	67.8%	17,407	31.3%
Rear End (front-to-rear)	10,435	26.6%	4,861	30.1%	13	6.4%	15,309	27.5%
Angle	7,989	20.3%	4,315	26.7%	28	13.9%	12,332	22.2%
Sideswipe	4,228	10.8%	781	4.8%	2	1.0%	5,011	9.0%
Parked Vehicle	2,770	7.0%	306	1.9%	4	2.0%	3,080	5.5%
Head On (front-to-front)	544	1.4%	532	3.3%	15	7.4%	1,091	2.0%
Rear to Side/Rear	547	1.4%	38	0.2%	1	0.5%	586	1.1%
Unknown	653	1.7%	166	1.0%	2	1.0%	821	1.5%
Total	39,301	100.0%	16,134	100.0%	202	100.0%	55,637	100.0%

- For all crashes, the leading collision types were single vehicle, rear end, and angle.
- The leading collision types in fatal crashes were single vehicle and angle.
- Head on collisions were 4.0 times more likely to result in a death than other collision types.



Number of Vehicles Involved (Utah 2013)

- While the majority (71.6%) of all crashes involved two or more motor vehicles, 60.4% of fatal crashes involved only one motor vehicle.

Vehicles Involved	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
1	11,028	28.1%	4,658	28.9%	122	60.4%	15,808	28.4%
2	25,954	66.0%	9,352	58.0%	60	29.7%	35,366	63.6%
3	1,925	4.9%	1,659	10.3%	15	7.4%	3,599	6.5%
4 or more	394	1.0%	465	2.9%	5	2.5%	864	1.6%
Total	39,301	100.0%	16,134	100.0%	202	100.0%	55,637	100.0%

Roadway Junction or Feature (Utah 2013)

Roadway Junction or Feature	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
None	25,529	65.0%	9,064	56.2%	147	72.8%	34,740	62.4%
4-Leg Intersection	5,802	14.8%	3,974	24.6%	26	12.9%	9,802	17.6%
T-Intersection	2,244	5.7%	1,184	7.3%	10	5.0%	3,438	6.2%
Business/Residential Drive	1,723	4.4%	528	3.3%	9	4.5%	2,260	4.1%
On-Ramp/Off-Ramp	1,224	3.1%	359	2.2%	3	1.5%	1,586	2.9%
Bridge (overpass/underpass)	784	2.0%	309	1.9%	6	3.0%	1,099	2.0%
On-Ramp Merge/Off-Ramp Diverge Area	646	1.6%	215	1.3%	0	0.0%	861	1.5%
Other Intersection (Y, 5-Leg, Bike Path, Ramp w/X-rd)	245	0.6%	161	1.0%	0	0.0%	406	0.7%
Roundabout	154	0.4%	53	0.3%	0	0.0%	207	0.4%
Other	710	1.8%	222	1.4%	1	0.5%	933	1.7%
Unknown	240	0.6%	65	0.4%	0	0.0%	305	0.5%
Total	39,301	100.0%	16,134	100.0%	202	100.0%	55,637	100.0%

- While the majority (62.4%) of all crashes occurred on a roadway with no junction or feature, 24.5% of crashes occurred at an intersection.

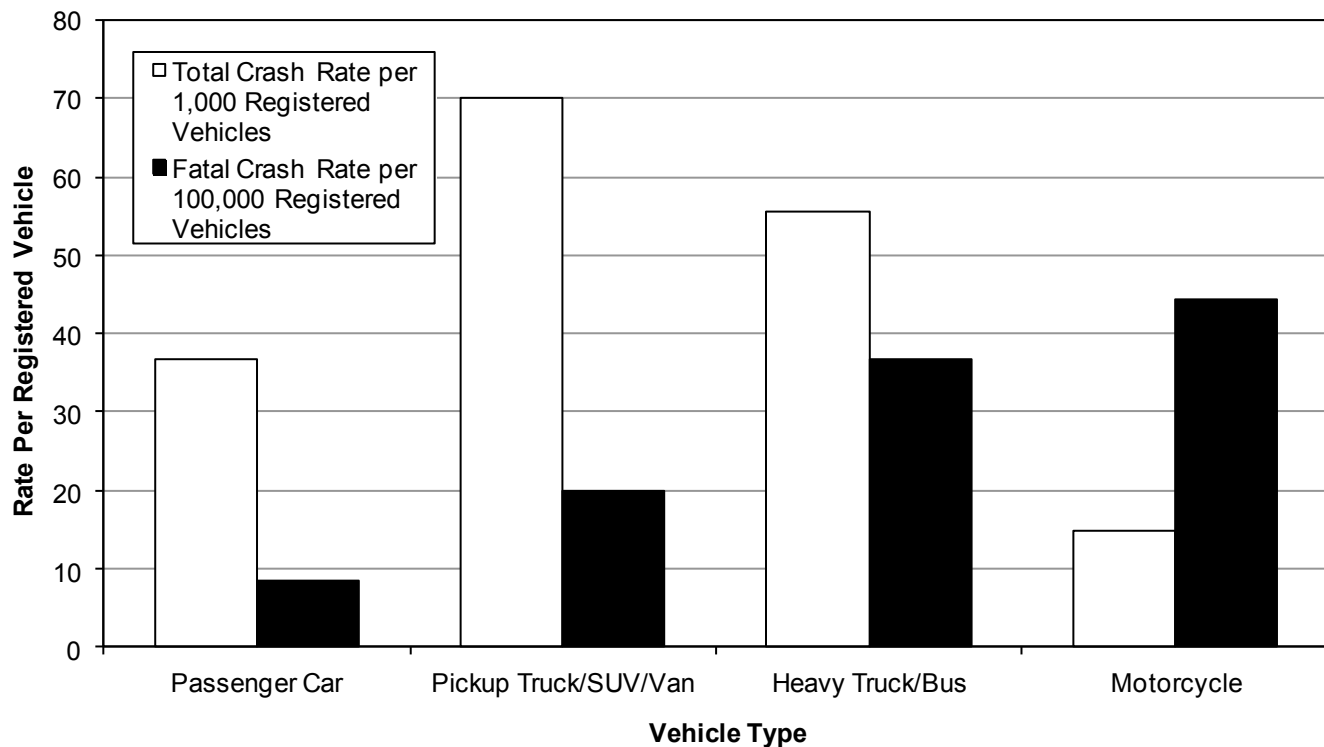
Crash Conditions

Vehicle Type (Utah 2013)



Vehicles								
Vehicle Type	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Passenger Car	35,586	50.6%	15,873	52.3%	119	38.6%	51,578	51.0%
SUV	14,168	20.1%	6,144	20.2%	44	14.3%	20,356	20.1%
Pickup Truck	11,321	16.1%	4,243	14.0%	62	20.1%	15,626	15.5%
Van	3,812	5.4%	1,747	5.8%	12	3.9%	5,571	5.5%
Heavy Truck	2,628	3.7%	717	2.4%	23	7.5%	3,368	3.3%
Motorcycle	146	0.2%	925	3.0%	34	11.0%	1,105	1.1%
Bus	323	0.5%	99	0.3%	2	0.6%	424	0.4%
Off Road Vehicle	14	0.0%	150	0.5%	3	1.0%	167	0.2%
Other	116	0.2%	43	0.1%	0	0.0%	159	0.2%
Unknown	2,251	3.2%	423	1.4%	9	2.9%	2,683	2.7%
Total	70,365	100.0%	30,364	100.0%	308	100.0%	101,037	100.0%

Crash Rates by Vehicle Type (Utah 2013)



- When comparing vehicle types it is important to keep in mind that different vehicle types may have different usage patterns and thus different exposure. For example, heavy truck may travel more miles per vehicle.
- Passenger car represented 65.6% of registered vehicles in Utah, pickup truck/SUV/van 27.7%, motorcycle 3.5%, and heavy truck/bus 3.2%.
- For total crashes, passenger car (51.0%) and SUV (20.1%) were the leading vehicle types.
- Pickup truck/SUV/van and heavy truck/bus had the highest total crash rates per registered vehicle.
- For fatal crashes, passenger car (38.6%) and pickup truck (20.1%) were the leading vehicle types.
- Motorcycle and heavy truck/bus had the highest fatal crash rates per registered vehicle.
- While motorcycles represented 1.1% of vehicles in total crashes, they represented 11.0% of vehicles in fatal crashes. Crashes involving a motorcycle were 12 times more likely to be fatal than crashes of other vehicles.

Crash Conditions

Vehicle Maneuver Prior to Crash (Utah 2013)

Vehicles								
Vehicle Maneuver	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Straight Ahead	34,644	49.2%	16,681	54.9%	231	75.0%	51,556	51.0%
Stopped in Traffic Lane	7,101	10.1%	4,164	13.7%	9	2.9%	11,274	11.2%
Turning Left	6,135	8.7%	3,509	11.6%	15	4.9%	9,659	9.6%
Slowing in Traffic Lane	3,554	5.1%	1,571	5.2%	8	2.6%	5,133	5.1%
Parked	4,340	6.2%	608	2.0%	19	6.2%	4,967	4.9%
Turning Right	3,342	4.7%	1,156	3.8%	1	0.3%	4,499	4.5%
Changing Lanes	2,240	3.2%	573	1.9%	8	2.6%	2,821	2.8%
Backing	2,566	3.6%	185	0.6%	1	0.3%	2,752	2.7%
Making U-turn	579	0.8%	210	0.7%	2	0.6%	791	0.8%
Entering Traffic Lane	591	0.8%	173	0.6%	0	0.0%	764	0.8%
Parking Maneuvers	499	0.7%	27	0.1%	0	0.0%	526	0.5%
Overtaking/Passing	386	0.5%	129	0.4%	5	1.6%	520	0.5%
Leaving Traffic Lane	252	0.4%	110	0.4%	0	0.0%	362	0.4%
Other	504	0.7%	225	0.7%	3	1.0%	732	0.7%
Unknown	3,632	5.2%	1,043	3.4%	6	1.9%	4,681	4.6%
Total	70,365	100.0%	30,364	100.0%	308	100.0%	101,037	100.0%

- For total crashes, straight ahead (51.0%), stopped in traffic lane (11.2%), and turning left (9.6%) were the leading vehicle maneuvers prior to the crash.
- For fatal crashes, straight ahead (75.0%) and parked (6.2%) were the leading vehicle maneuvers.
- Overtaking/passing was one of the deadliest maneuvers to make as crashes were 3.1 times more likely to be fatal compared to other vehicle maneuvers.

Speed Limit (Utah 2013)

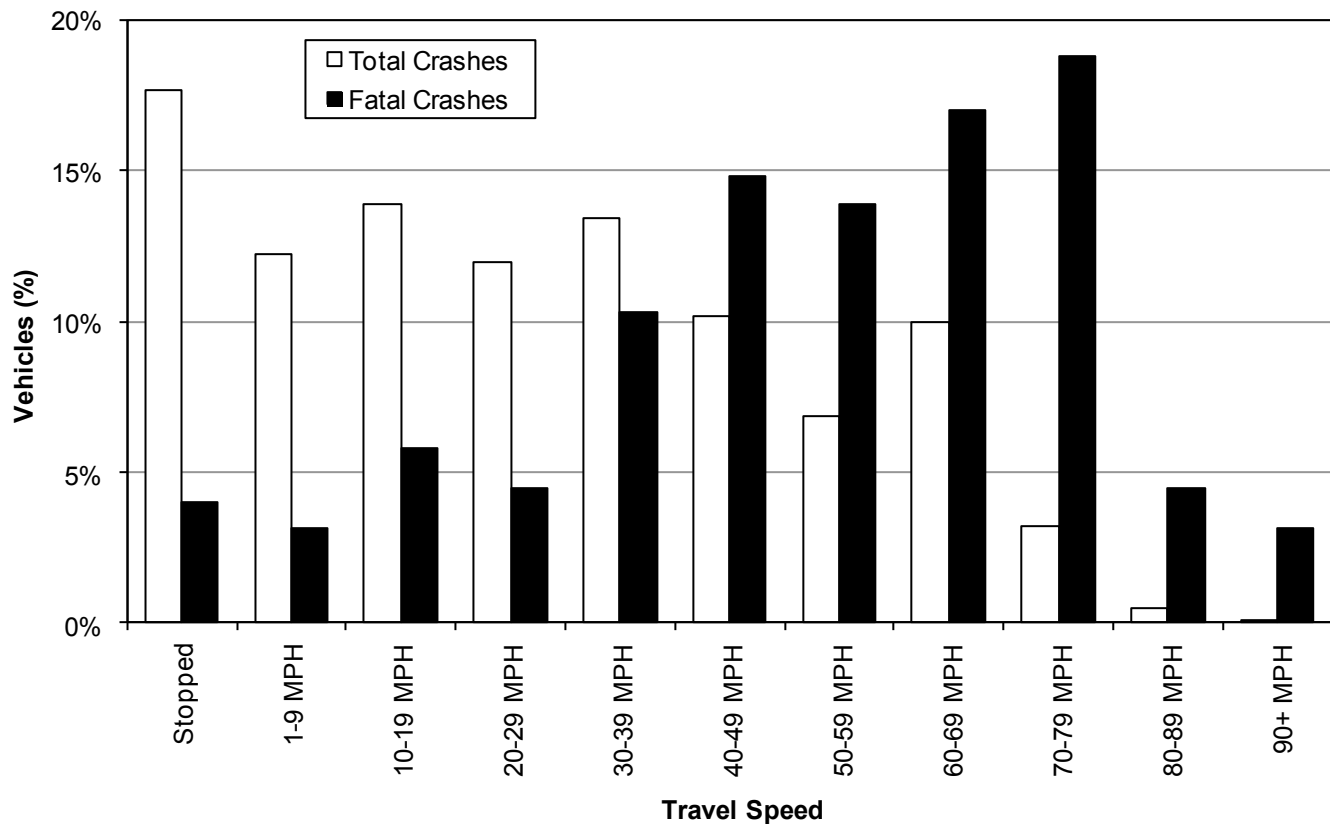
Vehicles								
Speed Limit	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
5-15 MPH	1,249	1.8%	192	0.6%	1	0.3%	1,442	1.4%
20-25 MPH	6,966	9.9%	2,595	8.5%	20	6.5%	9,581	9.5%
30-35 MPH	12,171	17.3%	6,885	22.7%	35	11.4%	19,091	18.9%
40-45 MPH	13,153	18.7%	7,718	25.4%	65	21.1%	20,936	20.7%
50-55 MPH	3,670	5.2%	2,198	7.2%	37	12.0%	5,905	5.8%
60-65 MPH	13,551	19.3%	4,718	15.5%	75	24.4%	18,344	18.2%
70-75 MPH	1,477	2.1%	498	1.6%	25	8.1%	2,000	2.0%
80 MPH	461	0.7%	144	0.5%	13	4.2%	618	0.6%
Unknown/None	17,667	25.1%	5,416	17.8%	37	12.0%	23,120	22.9%
Total	70,365	100.0%	30,364	100.0%	308	100.0%	101,037	100.0%

- The speed limit on the roadway was 30-45 MPH for over half (51.4% of known) of the total vehicles in crashes.
- Fatal crashes were more likely to occur with higher speed limits. The speed limit was 50 MPH or higher for over one-half (55.4% of known) of the vehicles in fatal crashes.
- Crashes where the speed limit was 50 MPH or higher were 2.0 times more likely to be fatal.
- Studies show that a 5% increase in average speed leads to a 10% increase in injury crashes and a 20% increase in fatal crashes. A 5% decrease in speed leads to a 10% decrease in injury crashes and a 20% decrease in fatal crashes.

Crash Conditions

Travel Speed (Utah 2013)

Travel Speed	Vehicles							
	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Parked	4,340	6.2%	608	2.0%	19	6.2%	4,967	4.9%
Stopped	7,921	11.3%	4,542	15.0%	9	2.9%	12,472	12.3%
1-9 MPH	6,462	9.2%	2,138	7.0%	7	2.3%	8,607	8.5%
10-19 MPH	6,928	9.8%	2,824	9.3%	13	4.2%	9,765	9.7%
20-29 MPH	5,931	8.4%	2,491	8.2%	10	3.2%	8,432	8.3%
30-39 MPH	6,033	8.6%	3,424	11.3%	23	7.5%	9,480	9.4%
40-49 MPH	4,579	6.5%	2,541	8.4%	33	10.7%	7,153	7.1%
50-59 MPH	3,322	4.7%	1,476	4.9%	31	10.1%	4,829	4.8%
60-69 MPH	5,213	7.4%	1,788	5.9%	38	12.3%	7,039	7.0%
70-79 MPH	1,562	2.2%	657	2.2%	42	13.6%	2,261	2.2%
80-89 MPH	219	0.3%	107	0.4%	10	3.2%	336	0.3%
90+ MPH	16	0.0%	45	0.1%	7	2.3%	68	0.1%
Unknown	17,839	25.4%	7,723	25.4%	66	21.4%	25,628	25.4%
Total	70,365	100.0%	30,364	100.0%	308	100.0%	101,037	100.0%



- Over half (51.5% where travel speed was known) of vehicles in total crashes were traveling 1-39 MPH.
- Vehicles in fatal crashes were more likely to be traveling at higher speeds. 57.4% (of known) of vehicles in fatal crashes were traveling 50 MPH or higher.
- Crashes involving vehicles traveling 50 MPH or higher were 5.2 times more likely to be fatal.
- The higher the speed the greater the amount of energy that must be absorbed in a crash, hence there is more likelihood of serious injury and death.
- Drivers become increased risks to themselves and other people on the highway due to higher speeds.

Crash Conditions

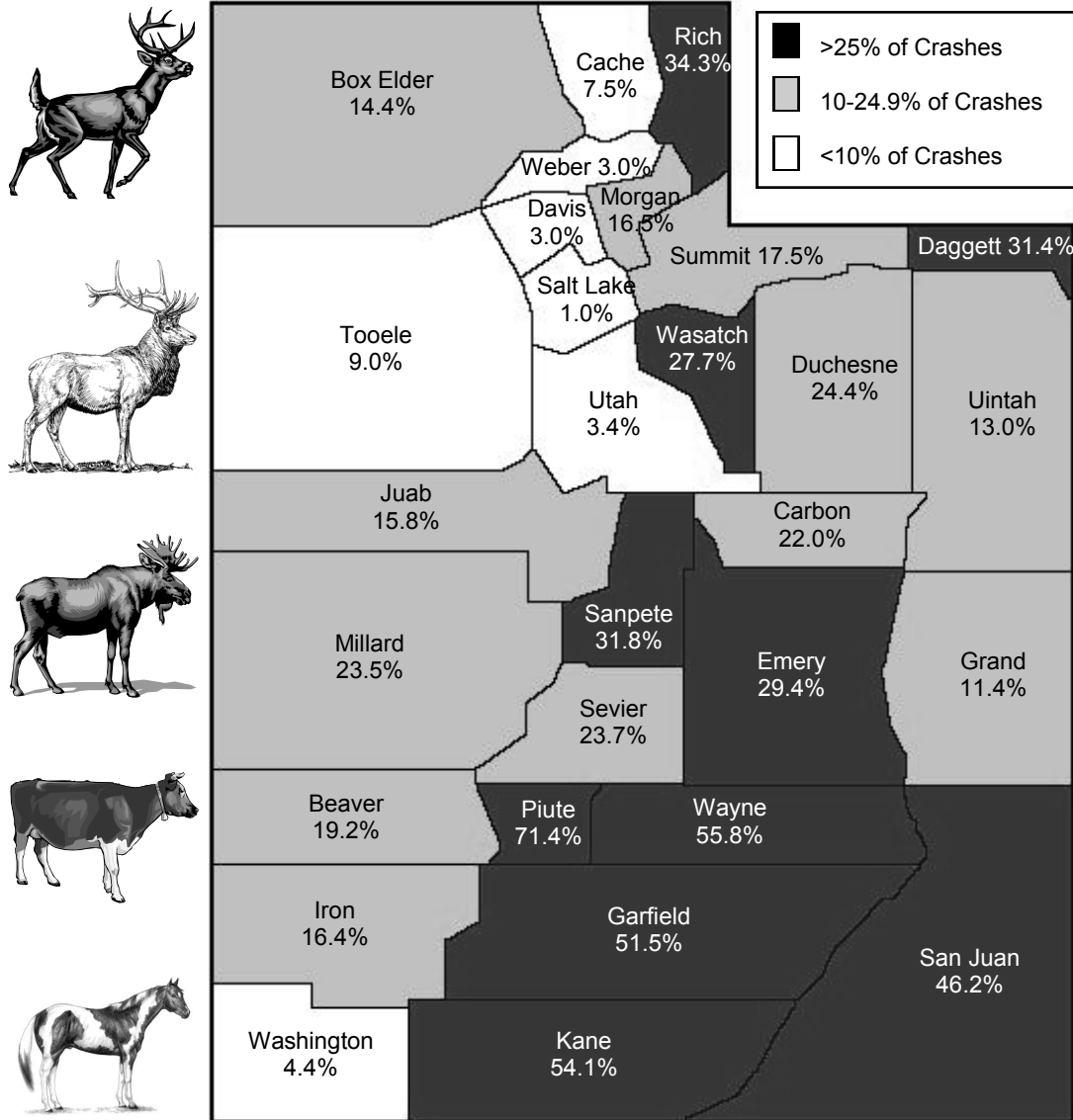
First Harmful Event (Utah 2013)

Crashes								
First Harmful Event	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Collision with Other Motor Vehicle	24,397	62.1%	10,694	66.3%	61	30.2%	35,152	63.2%
Collision with Parked Vehicle	2,770	7.0%	306	1.9%	4	2.0%	3,080	5.5%
Collision with Animal	2,580	6.6%	178	1.1%	1	0.5%	2,759	5.0%
Collision with Concrete Barrier	1,800	4.6%	657	4.1%	5	2.5%	2,462	4.4%
Collision with Post, Pole, or Support	1,348	3.4%	408	2.5%	14	6.9%	1,770	3.2%
Overturn/Rollover	526	1.3%	825	5.1%	41	20.3%	1,392	2.5%
Collision with Other Fixed Object	722	1.8%	212	1.3%	1	0.5%	935	1.7%
Collision with Fence	628	1.6%	161	1.0%	5	2.5%	794	1.4%
Collision with Other Non-Fixed Object	659	1.7%	126	0.8%	1	0.5%	786	1.4%
Collision with Bicyclist	74	0.2%	675	4.2%	6	3.0%	755	1.4%
Collision with Pedestrian	33	0.1%	670	4.2%	27	13.4%	730	1.3%
Collision with Tree/Shrubbery	326	0.8%	181	1.1%	3	1.5%	510	0.9%
Other Non-Collision	312	0.8%	129	0.8%	0	0.0%	441	0.8%
Collision with Embankment	254	0.6%	147	0.9%	8	4.0%	409	0.7%
Collision with Cable Barrier	354	0.9%	39	0.2%	4	2.0%	397	0.7%
Collision with Guardrail	278	0.7%	92	0.6%	3	1.5%	373	0.7%
Collision with Mailbox/Fire Hydrant	287	0.7%	60	0.4%	0	0.0%	347	0.6%
Collision with Ditch	199	0.5%	115	0.7%	2	1.0%	316	0.6%
Collision with Thrown or Fallen Object	232	0.6%	22	0.1%	0	0.0%	254	0.5%
Cargo/Equipment Loss or Shift	149	0.4%	28	0.2%	1	0.5%	178	0.3%
Fire/Explosion	146	0.4%	7	0.0%	0	0.0%	153	0.3%
Collision with Curb	67	0.2%	36	0.2%	5	2.5%	108	0.2%
Fell/Jumped from Vehicle	18	0.0%	85	0.5%	4	2.0%	107	0.2%
Collision with Snow Bank	80	0.2%	15	0.1%	0	0.0%	95	0.2%
Jackknife	80	0.2%	7	0.0%	0	0.0%	87	0.2%
Collision with Crash Cushion	43	0.1%	29	0.2%	1	0.5%	73	0.1%
Collision with Bridge	35	0.1%	13	0.1%	3	1.5%	51	0.1%
Collision with Culvert	32	0.1%	18	0.1%	1	0.5%	51	0.1%
Collision with Work Zone/Equipment	28	0.1%	13	0.1%	0	0.0%	41	0.1%
Collision with Train	24	0.1%	9	0.1%	1	0.5%	34	0.1%
Immersion	6	0.0%	1	0.0%	0	0.0%	7	0.0%
Unknown	814	2.1%	176	1.1%	0	0.0%	990	1.8%
Total	39,301	100.0%	16,134	100.0%	202	100.0%	55,637	100.0%

- For all crashes, the leading first harmful event was collision with other motor vehicle (63.2%).
- For total crashes, collision with parked vehicle (5.5%) and collision with animal (5.0%) were the next highest first harmful events. See next page for more information on collisions with animals.
- For fatal crashes, overturn/rollover (20.3%) and collision with pedestrian (13.4%) were the next highest first harmful events.
- Overturn/rollover was 10.0 times more likely to result in a death than other first harmful events.

Crash Conditions

Percent of Crashes Involving Animals by County (Utah 2013)



- There were 2,910 collisions involving animals, 2,439 (83.8%) involved hitting a wild animal, 354 (12.2%) involved hitting a domestic animal, and 117 (4.0%) involved an unharmed animal causing evasive action.
- Piute (71.4%), Wayne (55.8%), Kane (54.1%), and Garfield (51.5%) Counties had the highest percent of crashes involving an animal.
- While animal crashes comprised 5.2% of total crashes statewide, they accounted for nearly one-fourth (20.6%) of crashes in rural counties.

Roadway Contributing Circumstances (Utah 2013)

Roadway Contributing Circumstances	Crashes							
	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
None	32,246	82.0%	14,000	86.8%	179	88.6%	46,425	83.4%
Road Surface Condition (Wet/Icy/Snow/Etc.)	5,277	13.4%	1,469	9.1%	11	5.4%	6,757	12.1%
Debris	474	1.2%	93	0.6%	1	0.5%	568	1.0%
Animal/Non-Contact Veh/Ped/Bike Caused Evasive Action	200	0.5%	85	0.5%	1	0.5%	286	0.5%
Work Zone	186	0.5%	76	0.5%	1	0.5%	263	0.5%
Hole/Bump/Worn Surface/Shoulder/Traffic Control Device	130	0.3%	112	0.7%	3	1.5%	245	0.4%
Other	208	0.5%	96	0.6%	2	1.0%	306	0.5%
Unknown	580	1.5%	203	1.3%	4	2.0%	787	1.4%
Total	39,301	100.0%	16,134	100.0%	202	100.0%	55,637	100.0%

- 15.0% of crashes had a roadway contributing circumstance.

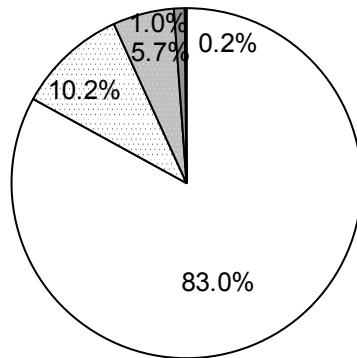
Crash Conditions

Road Surface Condition (Utah 2013)

Crashes								
Road Surface Condition	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Dry	28,378	72.2%	12,825	79.5%	181	89.6%	41,384	74.4%
Snow/Slush	4,490	11.4%	1,007	6.2%	3	1.5%	5,500	9.9%
Wet	3,426	8.7%	1,421	8.8%	10	5.0%	4,857	8.7%
Ice	2,285	5.8%	585	3.6%	4	2.0%	2,874	5.2%
Other	206	0.5%	190	1.2%	0	0.0%	396	0.7%
Unknown	516	1.3%	106	0.7%	4	2.0%	626	1.1%
Total	39,301	100.0%	16,134	100.0%	202	100.0%	55,637	100.0%

- Most (74.4%) crashes occurred when roads were dry.

Injury Severity (Utah 2013)



- No Injury
- Possible Injury
- Non-Incapacitating Injury
- Incapacitating Injury
- Death

- Although many people were injured and killed in motor vehicle crashes, the majority (83.0%) of persons in crashes did not sustain a known injury at the crash scene. See Glossary in the Appendix for injury definitions.
- Persons in the same crash sustain different levels of injury. Many factors influence injury patterns including seat belt use, seating position, and vehicle safety equipment.

Person Placement (Utah 2013)

- Pedestrians in a crash had the greatest risk of being killed. In fact, pedestrian crashes were 11.8 times more likely to be fatal than other crashes.

Persons								
Person Placement	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
Driver	81,329	72.6%	15,159	66.7%	135	61.4%	96,623	71.6%
Passenger	30,502	27.2%	6,110	26.9%	49	22.3%	36,661	27.2%
Pedestrian	90	0.1%	783	3.4%	30	13.6%	903	0.7%
Bicyclist	83	0.1%	688	3.0%	6	2.7%	777	0.6%
Total	112,004	100.0%	22,740	100.0%	220	100.0%	134,964	100.0%

Gender of Persons in Crashes (Utah 2013)

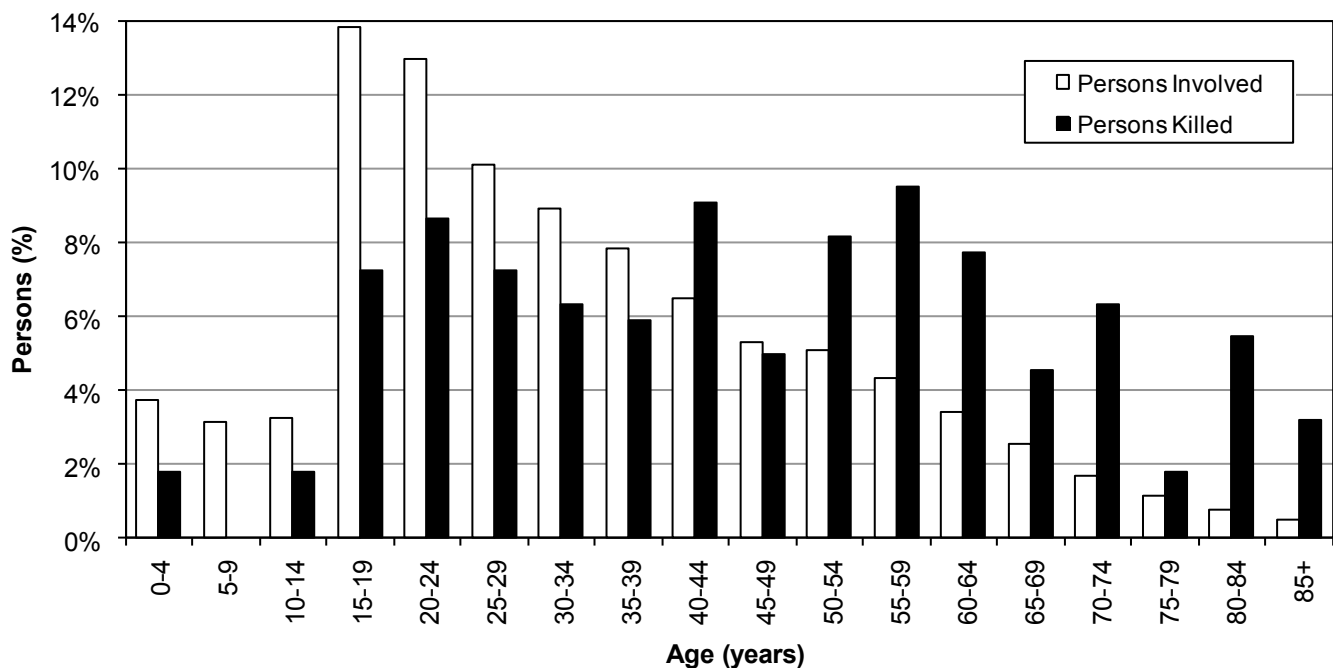
Persons								
Gender	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
Male	60,029	53.6%	10,491	46.1%	140	63.6%	70,660	52.4%
Female	47,778	42.7%	12,052	53.0%	80	36.4%	59,910	44.4%
Unknown	4,197	3.7%	197	0.9%	0	0.0%	4,394	3.3%
Total	112,004	100.0%	22,740	100.0%	220	100.0%	134,964	100.0%

- Males comprised over half of all persons in crashes and nearly two-thirds of deaths, while females sustained more injuries than males.
- Males were 1.5 times more likely to die than females in a crash.

Crash Conditions

Age of Persons in Crashes (Utah 2013)

Age	Persons							
	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
0-4	4,605	4.1%	446	2.0%	4	1.8%	5,055	3.7%
5-9	3,607	3.2%	666	2.9%	0	0.0%	4,273	3.2%
10-14	3,527	3.1%	883	3.9%	4	1.8%	4,414	3.3%
15-19	15,726	14.0%	2,951	13.0%	16	7.3%	18,693	13.9%
20-24	14,516	13.0%	2,973	13.1%	19	8.6%	17,508	13.0%
25-29	11,168	10.0%	2,444	10.7%	16	7.3%	13,628	10.1%
30-34	9,843	8.8%	2,218	9.8%	14	6.4%	12,075	8.9%
35-39	8,678	7.7%	1,875	8.2%	13	5.9%	10,566	7.8%
40-44	7,166	6.4%	1,581	7.0%	20	9.1%	8,767	6.5%
45-49	5,878	5.2%	1,264	5.6%	11	5.0%	7,153	5.3%
50-54	5,552	5.0%	1,287	5.7%	18	8.2%	6,857	5.1%
55-59	4,765	4.3%	1,093	4.8%	21	9.5%	5,879	4.4%
60-64	3,786	3.4%	801	3.5%	17	7.7%	4,604	3.4%
65-69	2,783	2.5%	674	3.0%	10	4.5%	3,467	2.6%
70-74	1,805	1.6%	431	1.9%	14	6.4%	2,250	1.7%
75-79	1,224	1.1%	295	1.3%	4	1.8%	1,523	1.1%
80-84	803	0.7%	199	0.9%	12	5.5%	1,014	0.8%
85+	539	0.5%	136	0.6%	7	3.2%	682	0.5%
Unknown	6,033	5.4%	523	2.3%	0	0.0%	6,556	4.9%
Total	112,004	100.0%	22,740	100.0%	220	100.0%	134,964	100.0%



- The largest proportion of persons in crashes were aged 15-29 years (36.9%).
- The age groups with the highest number of persons killed were 55-59, 40-44, and 20-24 years.
- The average age of a person in a crash was 33 years. The average age of a person killed was 47 years.
- While persons aged 65 years and older represented a small proportion of the persons in crashes (6.6%), they were 3.7 times more likely than all other age groups to die.

Crash Conditions

Persons in Crashes by County (Utah 2013)

County	Non-Injured			Injured			Killed			Total		
	#	Rate per 100 Million VMT	Rate per 10,000 Pop.	#	Rate per 100 Million VMT	Rate per 10,000 Pop.	#	Rate per 100 Million VMT	Rate per 10,000 Pop.	#	Rate per 100 Million VMT	Rate per 10,000 Pop.
Salt Lake	53,804	605.8	498.3	10,333	116.3	95.7	53	0.6	0.5	64,190	722.8	594.5
Weber	8,390	522.4	351.8	1,987	123.7	83.3	18	1.1	0.8	10,395	647.2	435.8
Cache	4,173	474.1	356.9	677	76.9	57.9	10	1.1	0.9	4,860	552.1	415.7
Davis	10,504	413.7	326.1	2,030	80.0	63.0	12	0.5	0.4	12,546	494.2	389.5
Utah	15,742	397.9	285.2	3,321	83.9	60.2	21	0.5	0.4	19,084	482.4	345.8
Washington	4,385	312.0	296.7	1,004	71.4	67.9	14	1.0	0.9	5,403	384.4	365.6
Wasatch	1,011	303.2	382.4	180	54.0	68.1	3	0.9	1.1	1,194	358.1	451.6
Uintah	1,200	286.1	337.5	234	55.8	65.8	2	0.5	0.6	1,436	342.4	403.9
Summit	1,994	267.4	518.1	290	38.9	75.4	4	0.5	1.0	2,288	306.9	594.5
Rich	107	217.9	467.7	39	79.4	170.5	0	0.0	0.0	146	297.3	638.1
Duchesne	655	234.9	322.5	146	52.4	71.9	4	1.4	2.0	805	288.7	396.4
Tooele	1,909	233.2	314.2	415	50.7	68.3	8	1.0	1.3	2,332	284.8	383.8
Iron	1,539	213.2	329.0	335	46.4	71.6	8	1.1	1.7	1,882	260.7	402.3
Box Elder	1,755	196.0	345.5	496	55.4	97.6	5	0.6	1.0	2,256	252.0	444.1
Sanpete	387	183.6	137.1	133	63.1	47.1	9	4.3	3.2	529	251.0	187.3
Morgan	277	210.9	272.3	44	33.5	43.3	0	0.0	0.0	321	244.4	315.5
Carbon	567	182.8	270.2	117	37.7	55.7	4	1.3	1.9	688	221.8	327.8
Sevier	501	161.0	240.3	157	50.4	75.3	8	2.6	3.8	666	214.0	319.4
Beaver	449	169.9	695.2	97	36.7	150.2	4	1.5	6.2	550	208.1	851.5
Garfield	167	154.6	328.5	40	37.0	78.7	2	1.9	3.9	209	193.5	411.2
Wayne	72	151.4	262.1	14	29.4	51.0	3	6.3	10.9	89	187.2	324.0
Kane	235	145.8	323.7	58	36.0	79.9	2	1.2	2.8	295	183.0	406.3
Daggett	35	113.0	310.6	17	54.9	150.8	0	0.0	0.0	52	167.8	461.4
San Juan	405	129.7	270.5	85	27.2	56.8	7	2.2	4.7	497	159.1	331.9
Millard	595	121.3	469.9	145	29.6	114.5	7	1.4	5.5	747	152.3	590.0
Juab	460	117.6	444.5	119	30.4	115.0	3	0.8	2.9	582	148.8	562.4
Emery	347	98.7	322.8	107	30.4	99.5	6	1.7	5.6	460	130.8	427.9
Piute	32	114.0	211.9	4	14.2	26.5	0	0.0	0.0	36	128.2	238.4
Grand	307	91.7	328.0	116	34.6	123.9	3	0.9	3.2	426	127.2	455.1
Statewide	112,004	414.6	386.1	22,740	84.2	78.4	220	0.8	0.8	134,964	499.6	465.3

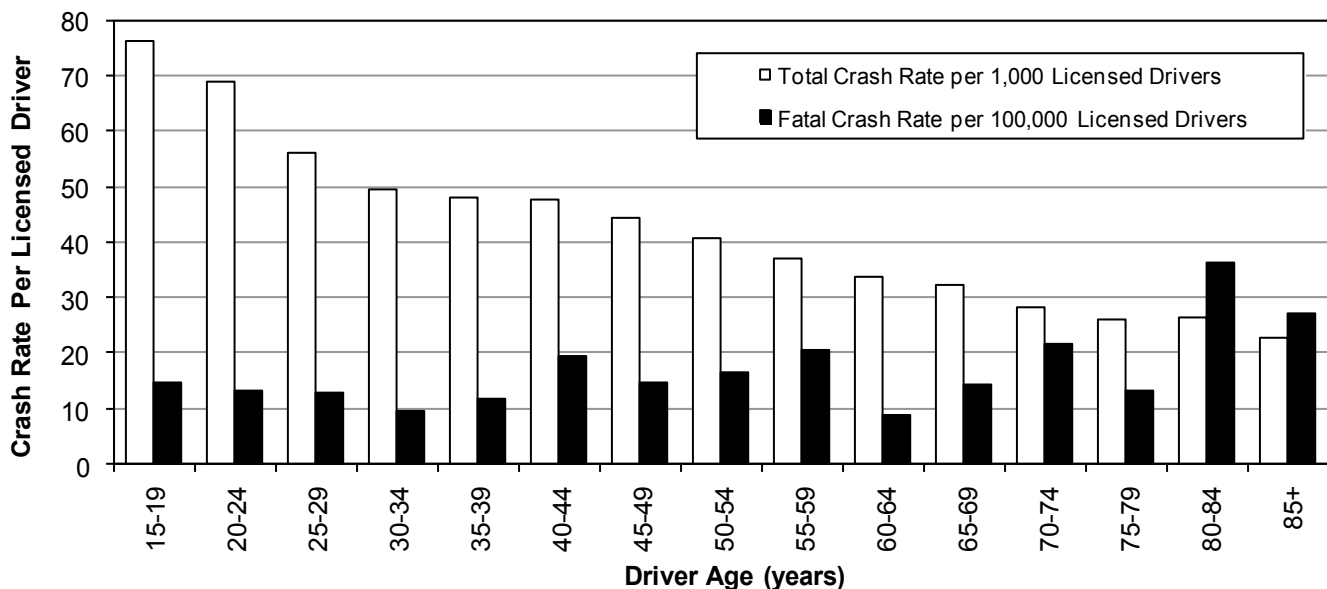
- Two different rates are given in the above table. One rate is based on vehicle miles traveled in the county and the other based on the county population.
- Rate per 100 million vehicle miles traveled:
 - Salt Lake (722.8), Weber (647.2), and Cache (552.1) counties had the highest rates of total persons in crashes per 100 million vehicle miles traveled.
 - Wayne (6.3), Sanpete (4.3), and Sevier (2.6) counties had the highest rates of persons killed per 100 million vehicle miles traveled.
- Rate per 10,000 population:
 - Beaver (851.5), Rich (638.1), Salt Lake (594.5) and Summit (594.5) counties had the highest rates of total persons in crashes per 10,000 population.
 - Wayne (10.9), Beaver (6.2) and Emery (5.6) counties had the highest rates of persons killed per 10,000 population.

Crash Conditions

Driver Age (Utah 2013)

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	32	0.0%	n/a	43	0.1%	n/a	1	0.3%	n/a	76	0.1%	n/a
15-19	8,346	12.6%	53.2	3,578	12.0%	22.8	23	8.0%	0.147	11,947	12.4%	76.2
20-24	9,458	14.2%	47.7	4,179	14.0%	21.1	26	9.1%	0.131	13,663	14.1%	68.9
25-29	7,707	11.6%	38.4	3,532	11.8%	17.6	26	9.1%	0.129	11,265	11.7%	56.1
30-34	6,940	10.4%	33.5	3,345	11.2%	16.1	20	7.0%	0.096	10,305	10.7%	49.7
35-39	6,100	9.2%	32.2	2,946	9.9%	15.6	22	7.7%	0.116	9,068	9.4%	47.9
40-44	5,088	7.7%	32.0	2,434	8.2%	15.3	31	10.8%	0.195	7,553	7.8%	47.6
45-49	4,183	6.3%	30.5	1,894	6.3%	13.8	20	7.0%	0.146	6,097	6.3%	44.4
50-54	3,971	6.0%	27.5	1,882	6.3%	13.0	24	8.4%	0.166	5,877	6.1%	40.7
55-59	3,475	5.2%	25.4	1,545	5.2%	11.3	28	9.8%	0.204	5,048	5.2%	36.9
60-64	2,644	4.0%	22.8	1,274	4.3%	11.0	10	3.5%	0.086	3,928	4.1%	33.9
65-69	1,939	2.9%	21.5	940	3.1%	10.4	13	4.5%	0.144	2,892	3.0%	32.1
70-74	1,238	1.9%	19.0	582	2.0%	8.9	14	4.9%	0.215	1,834	1.9%	28.1
75-79	793	1.2%	17.5	390	1.3%	8.6	6	2.1%	0.132	1,189	1.2%	26.2
80-84	541	0.8%	17.9	251	0.8%	8.3	11	3.8%	0.364	803	0.8%	26.5
85+	348	0.5%	15.6	155	0.5%	7.0	6	2.1%	0.270	509	0.5%	22.9
Unknown	3,694	5.6%	n/a	873	2.9%	n/a	6	2.1%	n/a	4,573	4.7%	n/a
Total	66,497	100.0%	35.0	29,843	100.0%	15.7	287	100.0%	0.151	96,627	100.0%	50.9

Crash Rate of Licensed Drivers by Age (Utah 2013)



- Drivers aged 15-24 years had the highest rates per licensed driver of total crashes, injury crashes, and property damage only crashes. Drivers aged 80-84 years had the highest rates per driver of fatal crashes.
- Drivers aged 85+ years had the lowest rate per licensed driver of total crashes. Drivers aged 60-64 years had the lowest rate per licensed driver of fatal crashes.
- The average age of a driver was 37 years. The average age of a driver in a fatal crash was 45 years.

Crash Conditions

Driver Gender (Utah 2013)

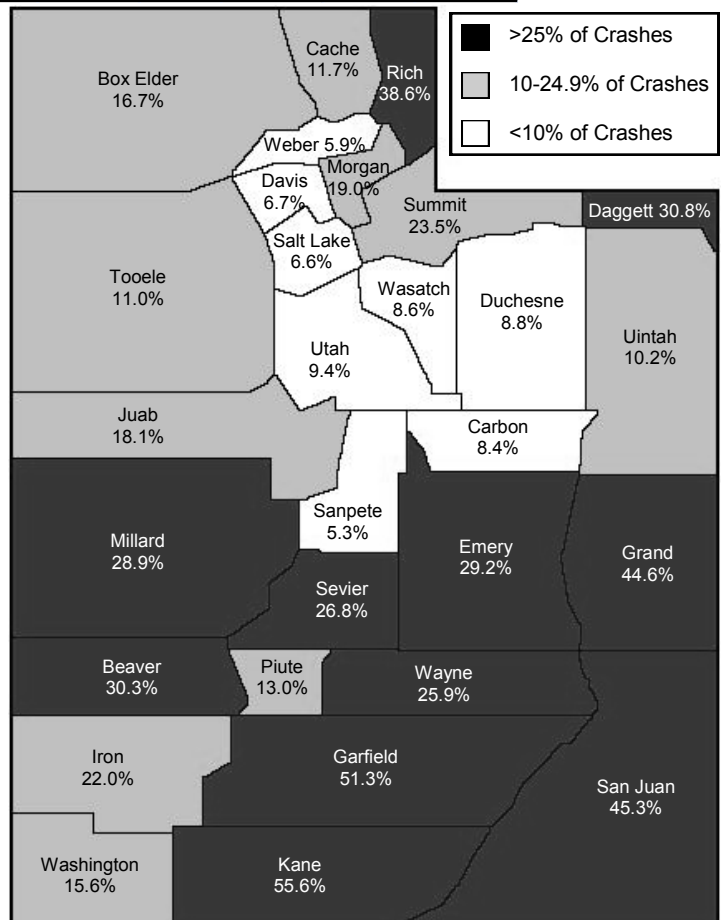
Drivers												
Gender	PDO Crashes			Injury Crashes			Fatal Crashes			Total		
	#	%	Rate per 1,000 Drivers	#	%	Rate per 1,000 Drivers	#	%	Rate per 1,000 Drivers	#	%	Rate per 1,000 Drivers
Male	36,934	55.5%	38.5	15,945	53.4%	16.6	209	72.8%	0.22	53,088	54.9%	55.4
Female	26,368	39.7%	28.0	13,266	44.5%	14.1	72	25.1%	0.08	39,706	41.1%	42.2
Unknown	3,195	4.8%	n/a	632	2.1%	n/a	6	2.1%	n/a	3,833	4.0%	n/a
Total	66,497	100.0%	35.0	29,843	100.0%	15.7	287	100.0%	0.15	96,627	100.0%	50.9

- Males represented 54.9% of all drivers in a crash and 72.8% of drivers in fatal crashes.
- Based off of licensed drivers, females are better drivers than males. Male drivers had higher rates of total crashes and fatal crashes. Male drivers were 2.2 times more likely to be in a fatal crash than female drivers.

Out-of-State Drivers (Utah 2013)

Drivers								
License State	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Utah	56,012	84.2%	25,969	87.0%	230	80.1%	82,211	85.1%
Out-Of-State	5,780	8.7%	2,454	8.2%	50	17.4%	8,284	8.6%
Unknown/None	4,705	7.1%	1,420	4.8%	7	2.4%	6,132	6.3%
Total	66,497	100.0%	29,843	100.0%	287	100.0%	96,627	100.0%

- Although out-of-state licensed drivers represented 8.6% of all drivers in crashes, they represented 17.4% of drivers in fatal crashes.
- There were several counties that had a disproportionate amount of out-of-state drivers in crashes. Most notably in Kane (55.6%), Garfield (51.3%), San Juan (45.3%), and Grand (44.6%) Counties where half of the drivers in crashes were out-of-state drivers. These drivers may place an extra burden on the residents and medical services in these counties.



Crash Conditions

Violations (Utah 2013)

Drivers								
Violations	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Following Too Close	3,688	16.2%	1,909	15.8%	1	1.9%	5,598	16.0%
Improper Lane Change/Travel	3,368	14.8%	1,213	10.0%	2	3.8%	4,583	13.1%
Failure to Yield Right of Way	1,601	7.0%	1,189	9.8%	5	9.6%	2,795	8.0%
Improper Turn	1,574	6.9%	1,017	8.4%	0	0.0%	2,591	7.4%
Improper Lookout	1,692	7.4%	852	7.1%	0	0.0%	2,544	7.3%
Speed	1,900	8.3%	526	4.4%	0	0.0%	2,426	6.9%
Negligent Collision	1,505	6.6%	788	6.5%	0	0.0%	2,293	6.6%
Insurance Violation	1,533	6.7%	533	4.4%	1	1.9%	2,067	5.9%
License Violation	1,046	4.6%	899	7.4%	3	5.8%	1,948	5.6%
Failure to Stop at Red Light	601	2.6%	676	5.6%	1	1.9%	1,278	3.7%
Driving Under the Influence	665	2.9%	547	4.5%	4	7.7%	1,216	3.5%
Hit and Run	857	3.8%	221	1.8%	5	9.6%	1,083	3.1%
Unknown Violation	480	2.1%	365	3.0%	5	9.6%	850	2.4%
Improper Start	349	1.5%	148	1.2%	0	0.0%	497	1.4%
Failure to Obey Traffic Control Device	218	1.0%	226	1.9%	0	0.0%	444	1.3%
Equipment Violation	300	1.3%	79	0.7%	2	3.8%	381	1.1%
Failure to Stop at Stop Sign	177	0.8%	183	1.5%	1	1.9%	361	1.0%
Registration Violation	203	0.9%	150	1.2%	0	0.0%	353	1.0%
Improper Backing	301	1.3%	18	0.1%	0	0.0%	319	0.9%
Alcohol/Drug Violation, Other than DUI	150	0.7%	115	1.0%	2	3.8%	267	0.8%
Careless Driving	100	0.4%	76	0.6%	1	1.9%	177	0.5%
Wrong Side of Road/Wrong Way	95	0.4%	72	0.6%	1	1.9%	168	0.5%
Reckless Driving	80	0.4%	71	0.6%	3	5.8%	154	0.4%
Improper Passing	90	0.4%	39	0.3%	0	0.0%	129	0.4%
Other Non-Moving Violation	53	0.2%	35	0.3%	1	1.9%	89	0.3%
Seat Belt/Child Restraint/Helmet	21	0.1%	54	0.4%	1	1.9%	76	0.2%
Improper Signal	42	0.2%	16	0.1%	0	0.0%	58	0.2%
Other Moving Violation	20	0.1%	15	0.1%	2	3.8%	37	0.1%
Improper Stop	18	0.1%	16	0.1%	0	0.0%	34	0.1%
Improper Parking	24	0.1%	7	0.1%	0	0.0%	31	0.1%
Texting	17	0.1%	11	0.1%	0	0.0%	28	0.1%
Driving While Drowsy/Fatigue/Ill	16	0.1%	7	0.1%	0	0.0%	23	0.1%
Vehicle Homicide	0	0.0%	0	0.0%	11	21.2%	11	0.0%
Total	22,784	100.0%	12,073	100.0%	52	100.0%	34,909	100.0%

- There were 34,909 charges from citations issued at the scene of the crash. The most common violations were for following too close (16.0%), improper lane change/travel (13.1%), and failure to yield right of way (8.0%).
- The leading violations in fatal crashes were vehicle homicide (21.2%), failure to yield right of way (9.6%), and hit and run (9.6%).
- A citation was issued in 53.3% of the crashes.

Crash Conditions

Contributing Factors (Utah 2013)

Contributing Factors	Drivers/Vehicles							
	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Followed Too Closely	7,823	14.0%	3,872	14.6%	9	2.2%	11,704	14.2%
Failed to Yield Right of Way	6,058	10.9%	3,869	14.6%	23	5.6%	9,950	12.0%
Speed Too Fast	6,742	12.1%	2,388	9.0%	73	17.9%	9,203	11.1%
Failed to Keep in Proper Lane	5,231	9.4%	2,139	8.1%	71	17.4%	7,441	9.0%
Driver Distraction	3,093	5.6%	1,972	7.5%	17	4.2%	5,082	6.2%
Other Improper Driving	3,051	5.5%	1,519	5.7%	0	0.0%	4,570	5.5%
Vision Obscured by Weather Condition	3,209	5.8%	1,072	4.1%	3	0.7%	4,284	5.2%
Hit and Run	2,567	4.6%	551	2.1%	12	2.9%	3,130	3.8%
Disregard Traffic Signal/Sign	1,433	2.6%	1,515	5.7%	18	4.4%	2,966	3.6%
Improper Turn	1,910	3.4%	757	2.9%	4	1.0%	2,671	3.2%
Ran Off Road	1,357	2.4%	835	3.2%	33	8.1%	2,225	2.7%
Improper Lane Change	1,768	3.2%	446	1.7%	6	1.5%	2,220	2.7%
Improper Backing	2,062	3.7%	116	0.4%	0	0.0%	2,178	2.6%
Driving Under the Influence	965	1.7%	798	3.0%	25	6.1%	1,788	2.2%
Overcorrected	845	1.5%	577	2.2%	26	6.4%	1,448	1.8%
Swerved or Evasive Action	904	1.6%	517	2.0%	11	2.7%	1,432	1.7%
Improper Parking/Stopping	764	1.4%	289	1.1%	1	0.2%	1,054	1.3%
Driver Asleep/Fatigue	588	1.1%	417	1.6%	11	2.7%	1,016	1.2%
Vehicle Other Defective Condition	662	1.2%	268	1.0%	4	1.0%	934	1.1%
Vision Obscured by Moving Vehicle	527	0.9%	332	1.3%	2	0.5%	861	1.0%
Vehicle Tires	589	1.1%	163	0.6%	11	2.7%	763	0.9%
Reckless/Aggressive Driving	335	0.6%	228	0.9%	12	2.9%	575	0.7%
Vehicle Brakes	375	0.7%	182	0.7%	2	0.5%	559	0.7%
Other Driver Condition	331	0.6%	213	0.8%	0	0.0%	544	0.7%
Vision Obscured by Other	335	0.6%	183	0.7%	3	0.7%	521	0.6%
Vision Obscured by Glare	277	0.5%	194	0.7%	3	0.7%	474	0.6%
Driver Illness/Medical	176	0.3%	267	1.0%	5	1.2%	448	0.5%
Improper Passing	337	0.6%	92	0.3%	4	1.0%	433	0.5%
Vision Obscured by Parked Vehicle	315	0.6%	114	0.4%	0	0.0%	429	0.5%
Driver Emotional Prior to Crash	210	0.4%	175	0.7%	2	0.5%	387	0.5%
Wrong Side/Wrong Way	184	0.3%	135	0.5%	10	2.5%	329	0.4%
Vehicle Cargo	179	0.3%	25	0.1%	5	1.2%	209	0.3%
Vision Obscured by Physical Obstruction	122	0.2%	66	0.2%	0	0.0%	188	0.2%
Windshield or Other Window Obscured	118	0.2%	50	0.2%	1	0.2%	169	0.2%
Disregard Road Markings	113	0.2%	42	0.2%	0	0.0%	155	0.2%
Vision Obscured by Vegetation	79	0.1%	60	0.2%	0	0.0%	139	0.2%
Improper Signal	79	0.1%	30	0.1%	1	0.2%	110	0.1%
Total	55,713	100.0%	26,468	100.0%	408	100.0%	82,589	100.0%

- Some form of poor driver performance is present in the majority of crashes. The leading contributing factors for all crashes were followed too closely (14.2%), failed to yield right of way (12.0%), speed too fast (11.1%), and failed to keep in proper lane (9.0%).
- The leading contributing factors in fatal crashes were speed too fast (17.9%), failed to keep in proper lane (17.4%), and ran off road (8.1%).
- The contributing factors that contributed more to injury crashes than non-injury crashes were: failure to yield right of way, disregard traffic signal/sign, driver distraction, and driving under the influence.