

Motorcycles



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Section 6: Motorcycles

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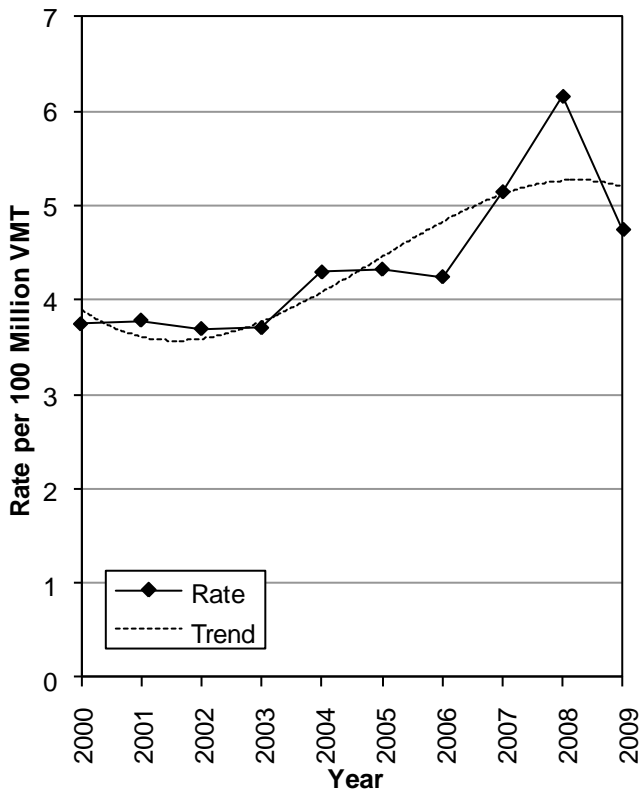
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Trends

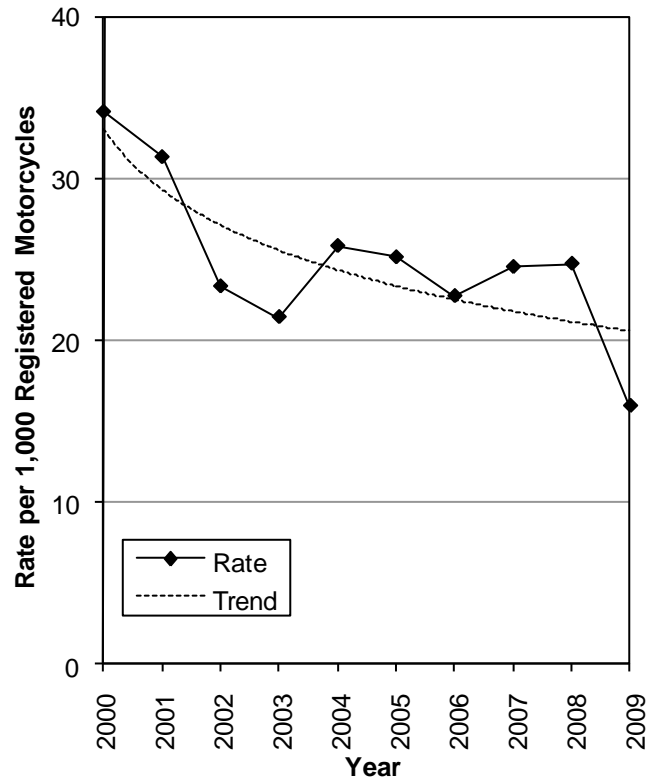
Motorcyclists in Crashes (Utah 2000-2009)

Motorcyclists (Driver and Passenger)													
Year	Non-Injured			Injured			Killed			Total			
	#	Rate per 100 Million VMT	Rate per 1,000 Rgstrd Mtrcycs	#	Rate per 100 Million VMT	Rate per 1,000 Rgstrd Mtrcycs	#	Rate per 100 Million VMT	Rate per 1,000 Rgstrd Mtrcycs	#	Rate per 100 Million VMT	Rate per 1,000 Registered Motorcycles	
2000	124	0.6	5.0	694	3.1	28.1	24	0.11	0.97	842	3.74	34.1	
2001	124	0.5	4.4	733	3.1	25.9	28	0.12	0.99	885	3.78	31.3	
2002	130	0.5	3.4	755	3.1	19.5	18	0.07	0.46	903	3.69	23.3	
2003	134	0.6	3.2	730	3.0	17.6	22	0.09	0.53	886	3.70	21.4	
2004	149	0.6	3.6	877	3.6	21.4	31	0.13	0.76	1,057	4.29	25.8	
2005	192	0.8	4.4	871	3.5	20.1	23	0.09	0.53	1,086	4.32	25.1	
2006	186	0.7	3.8	899	3.4	18.4	24	0.09	0.49	1,109	4.24	22.7	
2007	269	1.0	4.8	1,076	4.0	19.2	33	0.12	0.59	1,378	5.14	24.5	
2008	255	1.0	4.0	1,301	5.0	20.2	36	0.14	0.56	1,592	6.15	24.7	
2009	232	0.9	3.0	980	3.7	12.5	30	0.11	0.38	1,242	4.74	15.9	
Total	1,795	0.7	3.9	8,916	3.6	19.2	269	0.11	0.58	10,980	4.41	23.6	

Motorcyclist Crash Rates per VMT (Utah 2000-2009)



Motorcyclist Crash Rates per Registered Motorcycles (Utah 2000-2009)



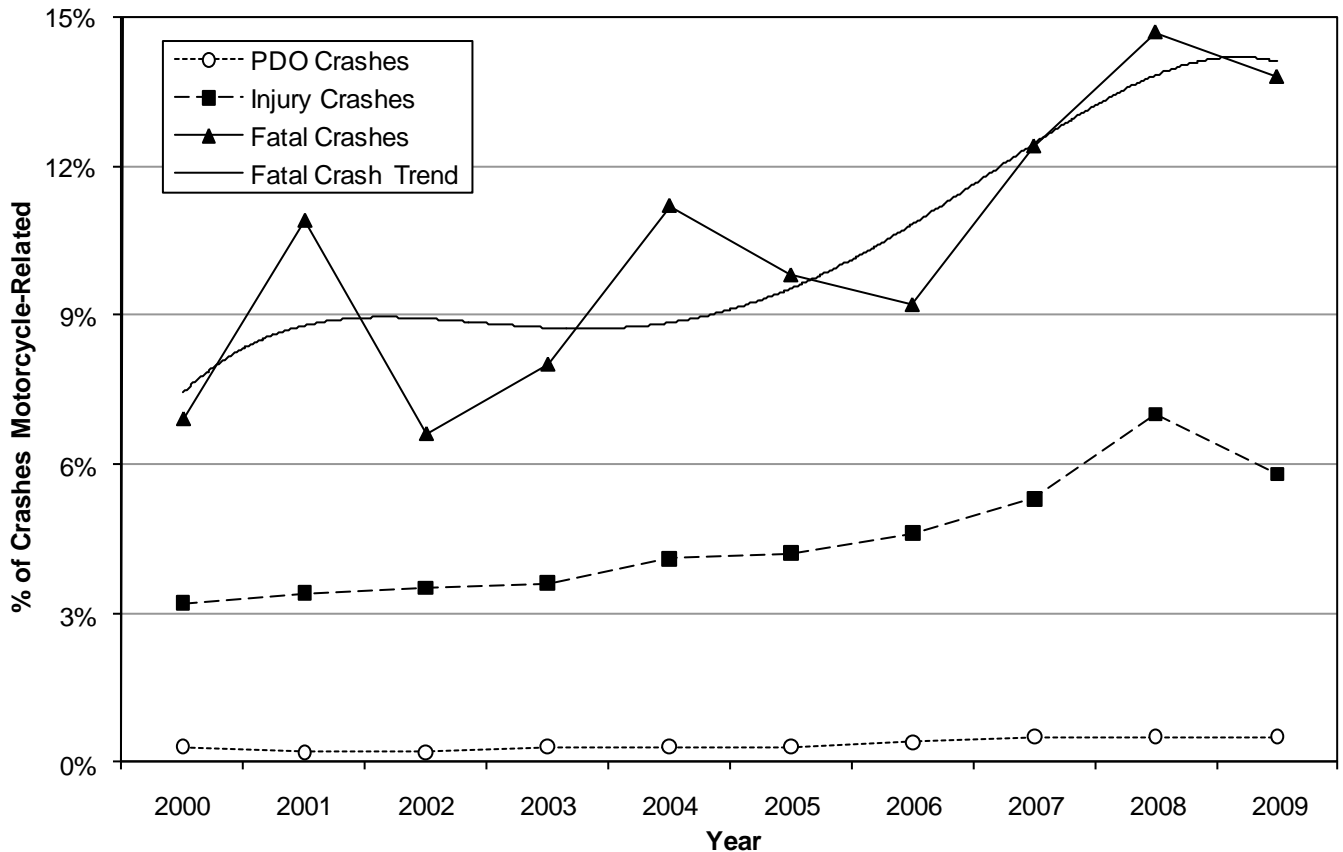
- The rate of motorcyclists in crashes per VMT has shown an increasing trend over the last 10 years.
- 2008 had the highest (6.15) rate of total motorcyclists in crashes per 100 million VMT.

- The rate of total motorcyclists in crashes per registered motorcycles decreased 36% in 2009 compared to 2008.

Motorcycle Crashes (Utah 2000-2009)

Motorcycle Crashes												
Year	Property Damage Only			Injury			Fatal			Total		
	All #	Motorcycle #	%	All #	Motorcycle #	%	All #	Motorcycle #	%	All #	Motorcycle #	%
2000	33,269	88	0.3%	19,564	624	3.2%	318	22	6.9%	53,151	734	1.4%
2001	33,113	82	0.2%	19,332	648	3.4%	258	28	10.9%	52,703	758	1.4%
2002	33,542	81	0.2%	19,552	689	3.5%	274	18	6.6%	53,368	788	1.5%
2003	31,842	84	0.3%	18,285	661	3.6%	262	21	8.0%	50,389	766	1.5%
2004	34,222	104	0.3%	19,423	805	4.1%	260	29	11.2%	53,905	938	1.7%
2005	35,158	117	0.3%	19,545	829	4.2%	235	23	9.8%	54,938	969	1.8%
2006	37,749	135	0.4%	18,189	835	4.6%	249	23	9.2%	56,187	993	1.8%
2007	42,368	199	0.5%	18,619	984	5.3%	258	32	12.4%	61,245	1,215	2.0%
2008	38,997	177	0.5%	17,125	1,192	7.0%	245	36	14.7%	56,367	1,405	2.5%
2009	35,398	182	0.5%	15,752	914	5.8%	217	30	13.8%	51,367	1,126	2.2%
Total	355,658	1,249	0.4%	185,386	8,181	4.4%	2,576	262	10.2%	543,620	9,692	1.8%

Percent of Crashes Involving a Motorcycle (Utah 2000-2009)



- The 10-year trend shows that motorcycle crashes represent 0.4% of property damage only crashes, 4.4% of injury crashes, and 10.2% of fatal crashes.
- Motorcycles are over-represented in fatal crashes accounting for 10.2% of fatal crashes compared to 1.8% of total crashes.
- During the last 10 years, the highest percent of total crashes involving motorcycles occurred in 2008 (2.5%).

Counties

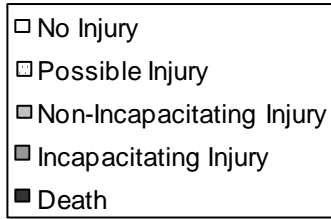
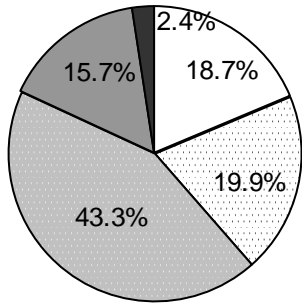
Motorcyclists in Crashes by County (Utah 2009)

County	Motorcyclists (Driver and Passenger)							
	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
Wayne	0	0.0	8	19.5	1	2.44	9	21.9
Rich	1	2.1	7	14.4	1	2.06	9	18.5
Garfield	5	4.2	12	10.1	2	1.69	19	16.1
Daggett	1	3.2	2	6.5	0	0.00	3	9.7
Morgan	0	0.0	10	7.5	1	0.75	11	8.2
Weber	30	1.8	74	4.6	6	0.37	110	6.8
Cache	7	0.8	50	5.8	1	0.12	58	6.7
Washington	12	0.9	72	5.3	2	0.15	86	6.3
Salt Lake	103	1.2	375	4.4	3	0.04	481	5.6
Utah	32	0.9	165	4.5	2	0.05	199	5.4
Sevier	2	0.6	15	4.4	0	0.00	17	5.0
Carbon	3	1.0	9	3.0	0	0.00	12	4.0
Wasatch	6	2.0	3	1.0	2	0.66	11	3.6
Kane	0	0.0	5	3.5	0	0.00	5	3.5
Uintah	1	0.3	10	2.8	1	0.28	12	3.4
San Juan	2	0.7	5	1.7	2	0.69	9	3.1
Davis	11	0.4	61	2.3	2	0.07	74	2.7
Iron	0	0.0	18	2.6	1	0.14	19	2.7
Summit	2	0.3	15	2.1	1	0.14	18	2.5
Tooele	5	0.6	15	1.8	1	0.12	21	2.5
Box Elder	5	0.5	17	1.9	0	0.00	22	2.4
Sanpete	0	0.0	5	2.3	0	0.00	5	2.3
Duchesne	0	0.0	5	2.2	0	0.00	5	2.2
Grand	2	0.6	5	1.5	0	0.00	7	2.1
Beaver	0	0.0	5	2.0	0	0.00	5	2.0
Emery	1	0.3	4	1.2	0	0.00	5	1.5
Juab	0	0.0	5	1.3	0	0.00	5	1.3
Millard	1	0.2	3	0.7	1	0.22	5	1.1
Piute	0	0.0	0	0.0	0	0.00	0	0.0
Statewide	232	0.9	980	3.7	30	0.11	1,242	4.7

- Wayne (21.9), Rich (18.5), and Garfield (16.1) counties had the highest rates of motorcyclists in crashes per vehicle miles traveled (VMT).
- Wayne (2.44), Rich (2.06), and Garfield (1.69) counties had the highest rates of motorcyclists killed in crashes.

Motorcyclists

Injury Severity of Motorcyclists in Crashes (Utah 2009)



- The percentage of motorcyclists sustaining a non-fatal injury (78.9%) was much higher than that of all persons in motor vehicle crashes sustaining a non-fatal injury (18.0%).
- The percentage of motorcyclists killed in crashes (2.4%) was higher than for all persons killed in motor vehicle crashes (0.2%).
- Motorcycle crashes were 7.3 times more likely to result in a death than other motor vehicle crashes.

Occupant Placement of Motorcyclists in Crashes (Utah 2009)

- Drivers accounted for the majority of motorcyclists in a crash (91.7%) and motorcyclists killed (96.7%).

Motorcyclists (Driver and Passenger)								
Occupant Placement	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
Driver	212	91.4%	898	91.6%	29	96.7%	1,139	91.7%
Passenger	20	8.6%	82	8.4%	1	3.3%	103	8.3%
Total	232	100.0%	980	100.0%	30	100.0%	1,242	100.0%

Age of Motorcyclists in Crashes (Utah 2009)

Motorcyclists (Driver and Passenger)								
Age	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
0-9	1	0.4%	1	45.0%	0	0.0%	2	0.2%
10-14	2	0.9%	11	1.1%	0	0.0%	13	1.0%
15-19	15	6.5%	78	8.0%	1	3.3%	94	7.6%
20-24	26	11.2%	165	16.8%	0	0.0%	191	15.4%
25-29	43	18.5%	164	16.7%	3	10.0%	210	16.9%
30-34	21	9.1%	99	10.1%	2	6.7%	122	9.8%
35-39	23	9.9%	86	8.8%	1	3.3%	110	8.9%
40-44	15	6.5%	74	7.6%	2	6.7%	91	7.3%
45-49	20	8.6%	72	7.3%	6	20.0%	98	7.9%
50-54	21	9.1%	75	7.7%	5	16.7%	101	8.1%
55-59	21	9.1%	72	7.3%	4	13.3%	97	7.8%
60-64	8	3.4%	45	4.6%	4	13.3%	57	4.6%
65+	6	2.6%	28	2.9%	2	6.7%	36	2.9%
Unknown	10	4.3%	10	1.0%	0	0.0%	20	1.6%
Total	232	100.0%	980	144.9%	30	100.0%	1,242	100.0%

- Overall, the largest percentages of motorcyclists in crashes were aged 20-29 years (32.3%).
- The highest percentages of motorcyclist deaths were aged 45-64 years (63.3%).
- The average age of a motorcyclist in a crash was 36.7 years.

Gender of Motorcyclists in Crashes (Utah 2009)

- The majority of all motorcyclists (82.6%) and motorcyclists killed (93.3%) in crashes were male.

Motorcyclists (Driver and Passenger)								
Gender	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
Male	188	81.0%	810	82.7%	28	93.3%	1026	82.6%
Female	36	15.5%	169	17.2%	2	6.7%	207	16.7%
Unknown	8	3.4%	1	0.1%	0	0.0%	9	0.7%
Total	232	100.0%	980	100.0%	30	100.0%	1,242	100.0%

Motorcyclists

Motorcycle Driver Age (Utah 2009)

Motorcycle Drivers								
Age	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
<15	0	0.0%	8	0.9%	0	0.0%	8	0.7%
15-19	13	7.2%	66	7.1%	1	3.3%	80	7.0%
20-24	24	13.3%	151	16.3%	0	0.0%	175	15.4%
25-29	34	18.8%	165	17.8%	3	10.0%	202	17.7%
30-34	21	11.6%	93	10.0%	2	6.7%	116	10.2%
35-39	16	8.8%	83	8.9%	1	3.3%	100	8.8%
40-44	10	5.5%	69	7.4%	2	6.7%	81	7.1%
45-49	11	6.1%	69	7.4%	6	20.0%	86	7.6%
50-54	16	8.8%	71	7.7%	4	13.3%	91	8.0%
55-59	14	7.7%	72	7.8%	5	16.7%	91	8.0%
60-64	7	3.9%	44	4.7%	4	13.3%	55	4.8%
65+	6	3.3%	27	2.9%	2	6.7%	35	3.1%
Unknown	9	5.0%	10	1.1%	0	0.0%	19	1.7%
Total	181	100.0%	928	100.0%	30	100.0%	1,139	100.0%

- Over one-half (51.0%) of the motorcycle drivers in crashes were under the age of 35 years.

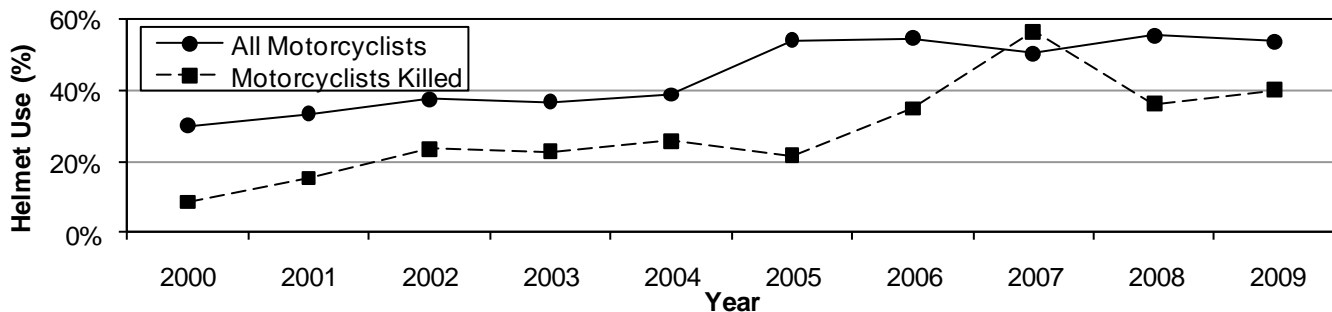
Motorcycle Driver License Status (Utah 2009)

- Of the 30 motorcycle drivers in fatal crashes, 27 (90.0%) had a motorcycle license.

Helmet Use of Motorcyclists in Crashes (Utah 2000-2009)

Motorcyclists (Driver and Passenger)												
Year	Non-Injured			Injured			Killed			Total		
	No Hlmt	Helmet	%	No Hlmt	Helmet	%	No Hlmt	Helmet	%	No Hlmt	Helmet	%
	#	#	%	#	#	%	#	#	%	#	#	%
2000	596	249	29.5%	480	218	31.2%	21	2	8.7%	1,097	469	29.9%
2001	91	36	28.3%	479	255	34.7%	22	4	15.4%	592	295	33.3%
2002	90	40	30.8%	462	293	38.8%	13	4	23.5%	565	337	37.4%
2003	91	35	27.8%	428	270	38.7%	17	5	22.7%	536	310	36.6%
2004	99	40	28.8%	492	339	40.8%	23	8	25.8%	614	387	38.7%
2005	107	53	33.1%	234	361	60.7%	18	5	21.7%	359	419	53.9%
2006	54	59	52.2%	359	446	55.4%	15	8	34.8%	428	513	54.5%
2007	70	90	56.3%	513	497	49.2%	14	18	56.3%	597	605	50.3%
2008	56	156	73.6%	569	629	52.5%	23	13	36.1%	648	798	55.2%
2009	51	95	65.1%	436	476	52.2%	18	12	40.0%	505	583	53.6%
Total	1,305	853	39.5%	4,452	3,784	45.9%	184	79	30.0%	5,941	4,716	44.3%

- Overall helmet use by motorcyclists in crashes increased from 29.9% in 2000 to 53.6% in 2009.
- Helmet use among motorcyclists killed has shown an increasing trend.



Motorcyclists

Helmet Use of Motorcyclists in Crashes (Utah 2009)

Motorcyclists (Driver and Passenger)								
Helmet Use	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
Helmet Worn	95	40.9%	476	48.6%	12	40.0%	583	46.9%
Helmet Not Worn	51	22.0%	436	44.5%	18	60.0%	505	40.7%
Unknown	86	37.1%	68	6.9%	0	0.0%	154	12.4%
Total	232	100.0%	980	100.0%	30	100.0%	1,242	100.0%



- Only 53.6% (of known) of the motorcyclists in crashes wore a helmet.
- Only 12 of the 30 motorcyclists killed in crashes (40.0%) were wearing a helmet.

Motorcycle Crash Conditions

Motorcyclists in Crashes by Month (Utah 2009)

- May through September had the highest rates per day of total motorcycle crashes. Very few motorcycle crashes occurred in the winter months, likely due to the decrease in motorcycle riding in the winter.

Motorcyclists (Driver and Passenger)									
Month	# of Days	Non-Injured		Injured		Killed		Total	
		#	Rate per Day	#	Rate per Day	#	Rate per Day	#	Rate per Day
January	31	4	0.1	14	0.5	0	0.00	18	0.6
February	28	5	0.2	27	1.0	0	0.00	32	1.1
March	31	8	0.3	33	1.1	0	0.00	41	1.3
April	30	12	0.4	75	2.5	0	0.00	87	2.9
May	31	27	0.9	129	4.2	6	0.19	162	5.2
June	30	31	1.0	125	4.2	5	0.17	161	5.4
July	31	48	1.5	141	4.5	4	0.13	193	6.2
August	31	34	1.1	187	6.0	11	0.35	232	7.5
September	30	30	1.0	131	4.4	2	0.07	163	5.4
October	31	22	0.7	77	2.5	2	0.06	101	3.3
November	30	10	0.3	33	1.1	0	0.00	43	1.4
December	31	1	0.0	8	0.3	0	0.00	9	0.3
Total	365	232	0.6	980	2.7	30	0.08	1,242	3.4

Motorcyclists in Crashes by Day of Week (Utah 2009)

Motorcyclists (Driver and Passenger)								
Day of Week	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
Sunday	33	14.2%	149	15.2%	3	10.0%	185	14.9%
Monday	36	15.5%	130	13.3%	1	3.3%	167	13.4%
Tuesday	30	12.9%	118	12.0%	3	10.0%	151	12.2%
Wednesday	25	10.8%	134	13.7%	7	23.3%	166	13.4%
Thursday	29	12.5%	99	10.1%	4	13.3%	132	10.6%
Friday	33	14.2%	153	15.6%	6	20.0%	192	15.5%
Saturday	46	19.8%	197	20.1%	6	20.0%	249	20.0%
Total	232	100.0%	980	100.0%	30	100.0%	1,242	100.0%

- Over one-third (35.5%) of total motorcycle crashes occurred on Friday and Saturday.
- Fatal motorcycle crashes occurred most frequently on Wednesday (23.3%).

Motorcycle Crash Conditions

Motorcyclists in Crashes by Hour (Utah 2009)

Motorcyclists (Driver and Passenger)								
Hour	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
Midnight	5	2.2%	29	3.0%	0	0.0%	34	2.7%
1 a.m.	3	1.3%	14	1.4%	0	0.0%	17	1.4%
2 a.m.	0	0.0%	11	1.1%	0	0.0%	11	0.9%
3 a.m.	0	0.0%	2	0.2%	0	0.0%	2	0.2%
4 a.m.	0	0.0%	3	0.3%	0	0.0%	3	0.2%
5 a.m.	0	0.0%	4	0.4%	0	0.0%	4	0.3%
6 a.m.	1	0.4%	11	1.1%	1	3.3%	13	1.0%
7 a.m.	5	2.2%	27	2.8%	0	0.0%	32	2.6%
8 a.m.	9	3.9%	20	2.0%	0	0.0%	29	2.3%
9 a.m.	6	2.6%	23	2.3%	1	3.3%	30	2.4%
10 a.m.	9	3.9%	32	3.3%	1	3.3%	42	3.4%
11 a.m.	10	4.3%	44	4.5%	2	6.7%	56	4.5%
Noon	16	6.9%	58	5.9%	2	6.7%	76	6.1%
1 p.m.	20	8.6%	81	8.3%	3	10.0%	104	8.4%
2 p.m.	22	9.5%	77	7.9%	2	6.7%	101	8.1%
3 p.m.	19	8.2%	95	9.7%	2	6.7%	116	9.3%
4 p.m.	18	7.8%	98	10.0%	1	3.3%	117	9.4%
5 p.m.	21	9.1%	92	9.4%	2	6.7%	115	9.3%
6 p.m.	17	7.3%	63	6.4%	3	10.0%	83	6.7%
7 p.m.	11	4.7%	54	5.5%	2	6.7%	67	5.4%
8 p.m.	15	6.5%	41	4.2%	2	6.7%	58	4.7%
9 p.m.	7	3.0%	50	5.1%	5	16.7%	62	5.0%
10 p.m.	9	3.9%	37	3.8%	1	3.3%	47	3.8%
11 p.m.	9	3.9%	14	1.4%	0	0.0%	23	1.9%
Total	232	100.0%	980	100.0%	30	100.0%	1,242	100.0%

- Over one-half (51.2%) of total motorcycle crashes occurred between 1:00 p.m. and 6:59 p.m.

Travel Speed (Utah 2009)

Travel Speed	Motorcycles							
	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Parked	8	4.2%	3	0.3%	0	0.0%	11	1.0%
Stopped	23	12.2%	33	3.5%	0	0.0%	56	4.9%
1-9 MPH	14	7.4%	26	2.8%	0	0.0%	40	3.5%
10-19 MPH	19	10.1%	83	8.9%	0	0.0%	102	8.9%
20-29 MPH	26	13.8%	107	11.5%	1	3.3%	134	11.7%
30-39 MPH	19	10.1%	165	17.7%	3	10.0%	187	16.3%
40-49 MPH	12	6.3%	100	10.7%	2	6.7%	114	9.9%
50-59 MPH	6	3.2%	60	6.4%	7	23.3%	73	6.3%
60-69 MPH	8	4.2%	61	6.6%	12	40.0%	81	7.0%
70-79 MPH	1	0.5%	19	2.0%	1	3.3%	21	1.8%
80+ MPH	3	1.6%	11	1.2%	0	0.0%	14	1.2%
Unknown	50	26.5%	263	28.2%	4	13.3%	317	27.6%
Total	189	100.0%	931	100.0%	30	100.0%	1,150	100.0%

- Nearly two-thirds (64.5% where travel speed was known) of motorcycles in total crashes were traveling 10-49 MPH.
- Most (76.9% of known) of the motorcycles in fatal crashes were traveling 50 MPH or higher.

Motorcycle Crash Conditions

Maneuver of Other Vehicle Prior to Motorcycle Crash (Utah 2009)

Vehicles Other than Motorcycles (Motorcycle Crash)								
Vehicle Maneuver	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Straight Ahead	64	45.1%	160	30.7%	5	33.3%	229	33.8%
Turning Left	17	12.0%	146	28.0%	8	53.3%	171	25.2%
Stopped in Traffic Lane	16	11.3%	57	10.9%	0	0.0%	73	10.8%
Slowing in Traffic Lane	7	4.9%	31	6.0%	0	0.0%	38	5.6%
Turning Right	7	4.9%	31	6.0%	0	0.0%	38	5.6%
Changing Lanes	8	5.6%	28	5.4%	1	6.7%	37	5.5%
Making U-turn	2	1.4%	32	6.1%	0	0.0%	34	5.0%
Parked/Parking	10	7.0%	15	2.9%	0	0.0%	25	3.7%
Entering/Leaving Traffic Lane	3	2.1%	9	1.7%	0	0.0%	12	1.8%
Backing	6	4.2%	3	0.6%	0	0.0%	9	1.3%
Overtaking/Passing	0	0.0%	1	0.2%	1	6.7%	2	0.3%
Unknown	2	1.4%	8	1.5%	0	0.0%	10	1.5%
Total	142	100.0%	521	100.0%	15	100.0%	678	100.0%

- For all motorcycle crashes, the leading maneuvers of vehicles other than motorcycles prior to the crash were straight ahead (33.8%) and turning left (25.2%).

Contributing Factors of Drivers Other than Motorcyclists in Motorcycle Crashes (Utah 2009)

Drivers/Vehicles Other than Motorcycles (Motorcycle Crash)								
Contributing Factors	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Failed to Yield Right of Way	18	14.3%	152	34.4%	4	21.1%	174	29.6%
Improper Turn	8	6.3%	54	12.2%	4	21.1%	66	11.2%
Followed Too Closely	22	17.5%	36	8.1%	2	10.5%	60	10.2%
Other Improper Driving	15	11.9%	29	6.6%	0	0.0%	44	7.5%
Improper Lane Change	9	7.1%	24	5.4%	1	5.3%	34	5.8%
Driver Distraction	7	5.6%	18	4.1%	1	5.3%	26	4.4%
Failed to Keep in Proper Lane	7	5.6%	14	3.2%	0	0.0%	21	3.6%
Disregard Traffic Signal/Sign	2	1.6%	16	3.6%	0	0.0%	18	3.1%
Vision Obscured by Moving Vehicle	1	0.8%	16	3.6%	1	5.3%	18	3.1%
Hit and Run	7	5.6%	9	2.0%	0	0.0%	16	2.7%
Vision Obscured by Other	1	0.8%	12	2.7%	1	5.3%	14	2.4%
Swerved or Evasive Action	1	0.8%	11	2.5%	1	5.3%	13	2.2%
Driving Under the Influence	3	2.4%	8	1.8%	1	5.3%	12	2.0%
Vehicle Defective Condition	4	3.2%	7	1.6%	0	0.0%	11	1.9%
Speed Too Fast	1	0.8%	6	1.4%	2	10.5%	9	1.5%
Vision Obscured by Glare	3	2.4%	5	1.1%	0	0.0%	8	1.4%
Improper Backing	5	4.0%	1	0.2%	0	0.0%	6	1.0%
Improper Parking/Stopping	3	2.4%	3	0.7%	0	0.0%	6	1.0%
Reckless/Aggressive Driving	2	1.6%	4	0.9%	0	0.0%	6	1.0%
Driver Emotionally Upset	2	1.6%	3	0.7%	0	0.0%	5	0.9%
Other Driver Condition	1	0.8%	4	0.9%	0	0.0%	5	0.9%
Improper Passing	1	0.8%	2	0.5%	1	5.3%	4	0.7%
Wrong Side/Wrong Way	1	0.8%	3	0.7%	0	0.0%	4	0.7%
Vision Obscured by Parked Vehicle	1	0.8%	3	0.7%	0	0.0%	4	0.7%
Disregard Road Markings	1	0.8%	2	0.5%	0	0.0%	3	0.5%
Total	126	100.0%	442	100.0%	19	100.0%	587	100.0%

- Failed to yield right of way (29.6%), improper turn (11.2%), and followed too closely (10.2%) were the leading contributing factors for drivers other than motorcyclists in all motorcycle crashes.

Motorcycle Crash Conditions

Contributing Factors of Motorcycle Drivers in Crashes (Utah 2009)

Motorcycle Drivers/Vehicles								
Contributing Factors	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Speed Too Fast	20	14.8%	114	12.8%	9	20.0%	143	13.4%
Failed to Keep in Proper Lane	13	9.6%	109	12.3%	13	28.9%	135	12.6%
Followed Too Closely	17	12.6%	101	11.4%	2	4.4%	120	11.2%
Other Improper Driving	13	9.6%	86	9.7%	0	0.0%	99	9.3%
Swerved or Evasive Action	7	5.2%	65	7.3%	2	4.4%	74	6.9%
Ran Off Road	5	3.7%	57	6.4%	9	20.0%	71	6.6%
Driving Under the Influence	2	1.5%	45	5.1%	2	4.4%	49	4.6%
Overcorrected	7	5.2%	40	4.5%	0	0.0%	47	4.4%
Failed to Yield Right of Way	8	5.9%	34	3.8%	1	2.2%	43	4.0%
Reckless/Aggressive Driving	3	2.2%	33	3.7%	1	2.2%	37	3.5%
Driver Distraction	3	2.2%	28	3.1%	1	2.2%	32	3.0%
Vehicle Other Defective Condition	4	3.0%	24	2.7%	0	0.0%	28	2.6%
Improper Turn	3	2.2%	22	2.5%	1	2.2%	26	2.4%
Vehicle Tires	5	3.7%	12	1.3%	1	2.2%	18	1.7%
Disregard Traffic Signal/Sign	1	0.7%	12	1.3%	1	2.2%	14	1.3%
Improper Passing	4	3.0%	10	1.1%	0	0.0%	14	1.3%
Other Driver Condition	3	2.2%	11	1.2%	0	0.0%	14	1.3%
Vision Obscured by Moving Vehicle	4	3.0%	10	1.1%	0	0.0%	14	1.3%
Vision Obscured by Weather Condition	6	4.4%	7	0.8%	0	0.0%	13	1.2%
Improper Parking/Stopping	0	0.0%	11	1.2%	0	0.0%	11	1.0%
Vision Obscured by Other	0	0.0%	11	1.2%	0	0.0%	11	1.0%
Improper Lane Change	2	1.5%	6	0.7%	1	2.2%	9	0.8%
Hit and Run	3	2.2%	5	0.6%	0	0.0%	8	0.7%
Vehicle Brakes	0	0.0%	8	0.9%	0	0.0%	8	0.7%
Vision Obscured by Vegetation	0	0.0%	6	0.7%	1	2.2%	7	0.7%
Vision Obscured by Physical Obstruction	0	0.0%	6	0.7%	0	0.0%	6	0.6%
Asleep/Fatigue	0	0.0%	5	0.6%	0	0.0%	5	0.5%
Driver Emotionally Upset	0	0.0%	3	0.3%	0	0.0%	3	0.3%
Vision Obscured by Glare	1	0.7%	2	0.2%	0	0.0%	3	0.3%
Driver Illness/Medical	0	0.0%	2	0.2%	0	0.0%	2	0.2%
Vision Obscured by Parked Vehicle	1	0.7%	1	0.1%	0	0.0%	2	0.2%
Wrong Side/Wrong Way	0	0.0%	2	0.2%	0	0.0%	2	0.2%
Improper Backing	0	0.0%	1	0.1%	0	0.0%	1	0.1%
Total	135	100.0%	889	100.0%	45	100.0%	1,069	100.0%

- Speed too fast (13.4%), failed to keep in proper lane (12.6%), and followed too closely (11.2%) were the leading contributing factors for all motorcycle crashes.
- The leading contributing factors for fatal crashes were failed to keep in proper lane (28.9%), speed too fast (20.0%), and ran off road (20.0%).

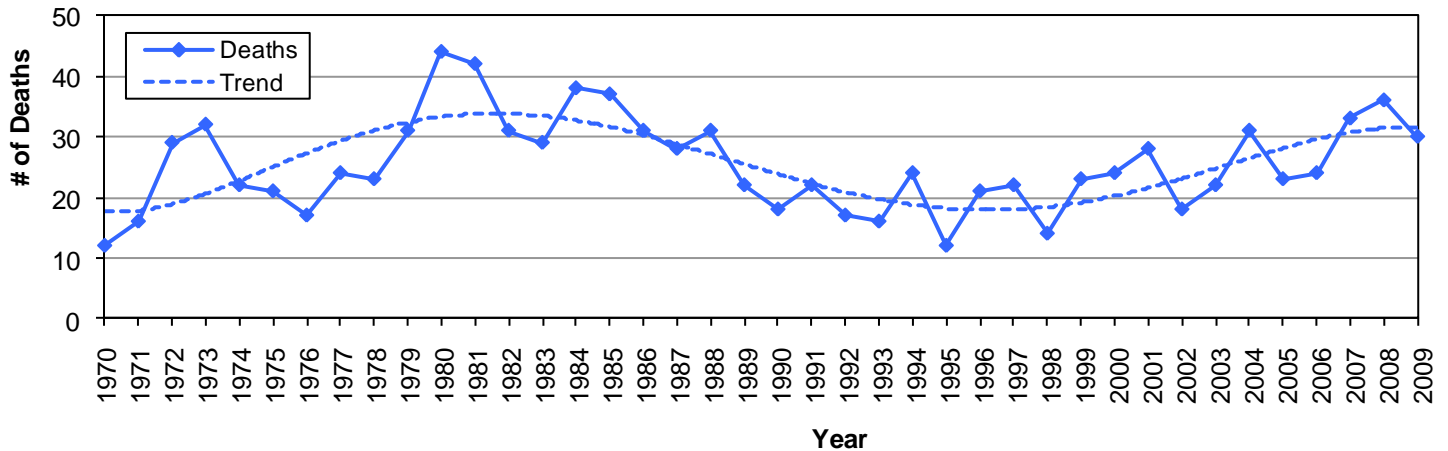
Did you know in 2009:

- There were 1,126 motorcycle crashes in Utah, resulting in 980 injured motorcyclists and 30 motorcyclist deaths.
- Motorcyclists accounted for 1% of persons in crashes and 12% of deaths.
- Compared to 2008, there was a 22% decrease in the number of motorcyclists in crashes.
- Motorcycle crashes were 7 times more likely to result in a death than other crashes.

Motorcycles

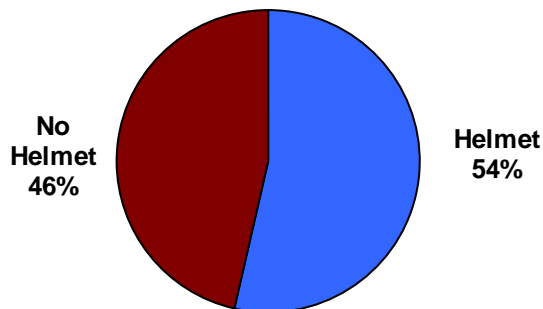


Motorcyclist Deaths (Utah 1970-2009)



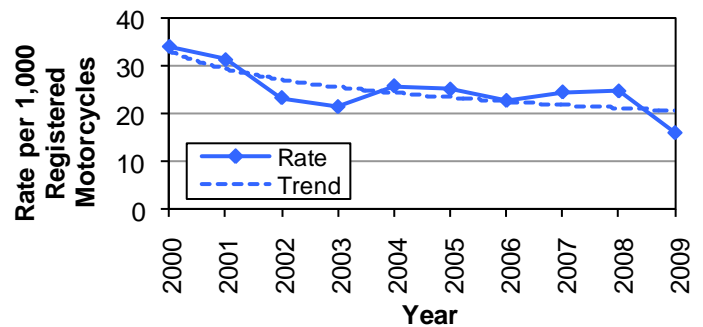
- Motorcyclist deaths are on the rise after seeing declining motorcyclist deaths in the 1990s.
- The 36 motorcyclist deaths in 2008 were the highest total since 1985.

Helmet Use of Motorcyclists in Crashes (Utah 2009)



- Only 54% of motorcyclists wore a helmet.
- Utah law requires anyone under the age of 18 years riding a motorcycle to wear a helmet.

Motorcyclist Crash Rates per Registered Motorcycles (Utah 2000-2009)



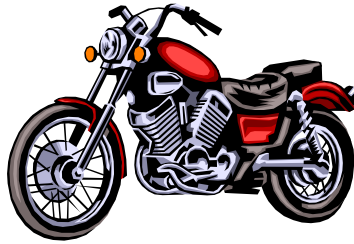
- The rate of motorcyclists in crashes per registered motorcycles decreased to the lowest rate in the past 10 years.

Motorcycles



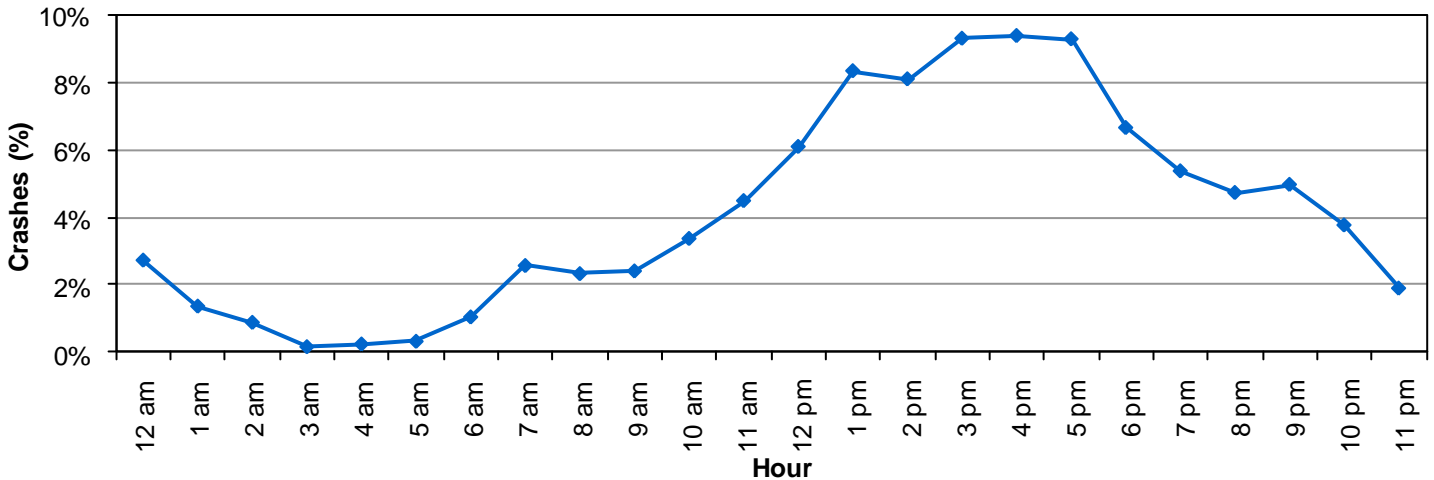
Leading Motorcyclist Contributing Factors in Crashes (Utah 2009)

1. Speed Too Fast (13%)
2. Failed to Keep in Proper Lane (12%)
3. Followed Too Closely (11%)
4. Swerved or Evasive Action (7%)
5. Ran Off Road (6%)



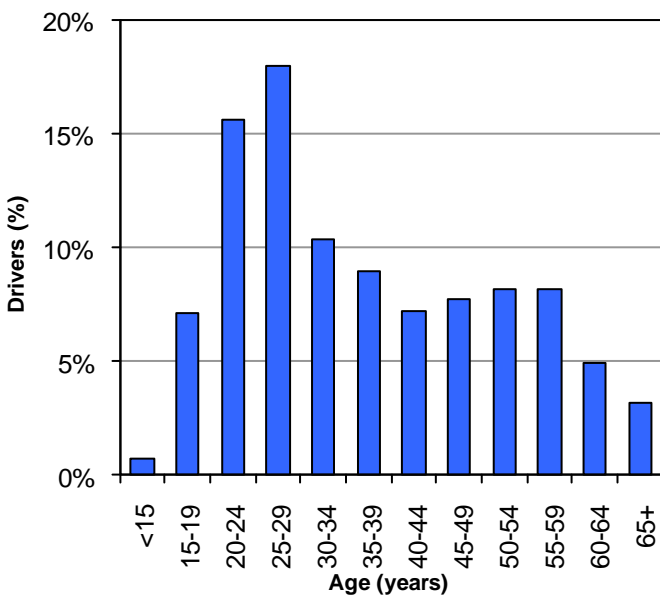
Left Turns
 One-fourth of drivers who hit motorcycles were turning left. Drivers need to watch for motorcycles before turning.

Motorcyclists In Crashes by Hour of Day (Utah 2009)



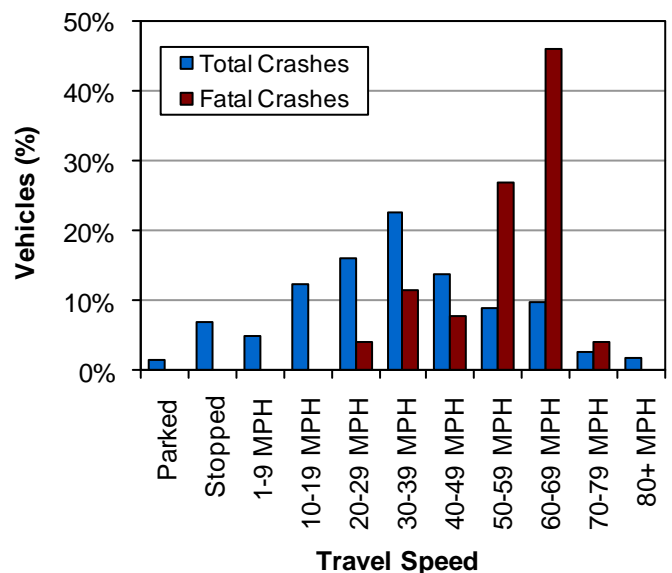
- Nearly two-thirds (63%) of motorcycle crashes occurred between 12:00 p.m. and 7:59 p.m.

Age of Motorcycle Drivers in All Crashes (Utah 2009)



- Over one-half (52%) of motorcycle drivers in crashes were under the age of 35 years.

Travel Speed of Motorcycles in Crashes (Utah 2009)



- Most (77%) of the motorcycles in fatal crashes were traveling 50 MPH or higher.