

Motorcycles



DRIVE AWARE. RIDE AWARE.



Section 8: Motorcycles

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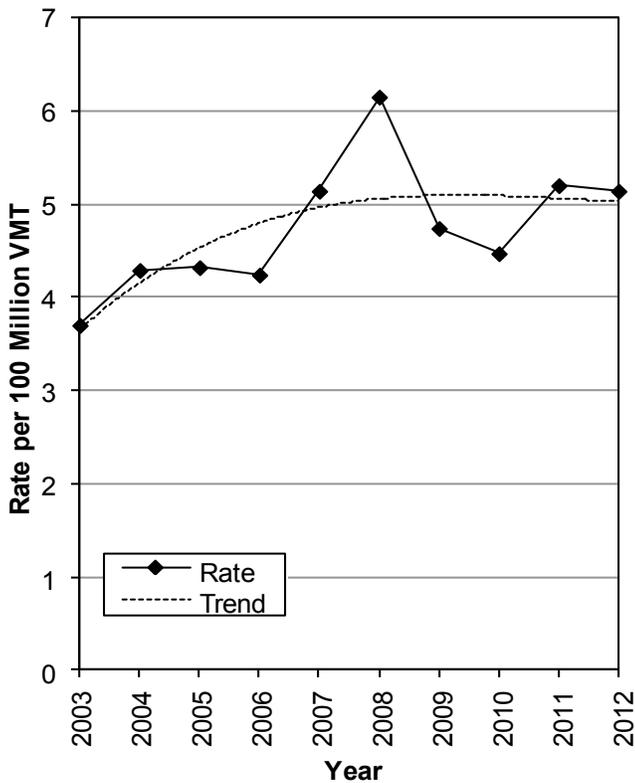
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Trends

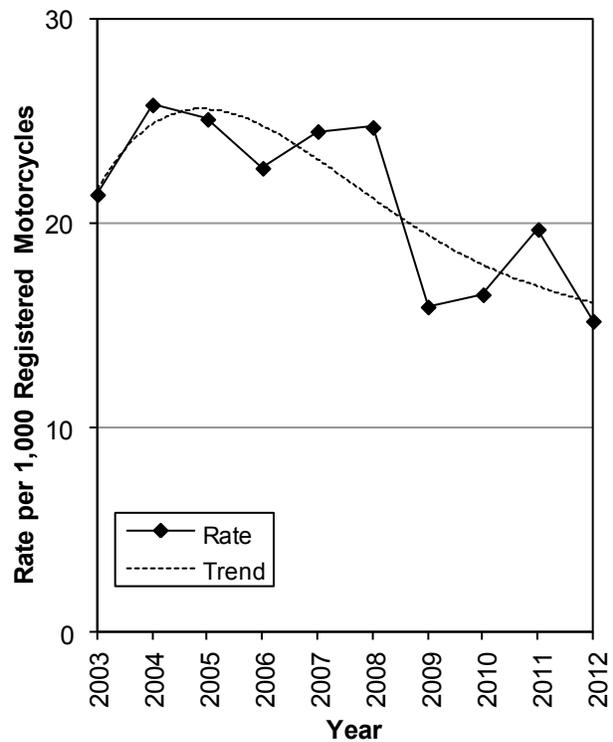
Motorcyclists in Crashes (Utah 2003-2012)

Motorcyclists (Driver and Passenger)												
Year	Non-Injured			Injured			Killed			Total		
	#	Rate per 100 Million VMT	Rate per 1,000 Rgstrd Mtrcycls	#	Rate per 100 Million VMT	Rate per 1,000 Rgstrd Mtrcycls	#	Rate per 100 Million VMT	Rate per 1,000 Rgstrd Mtrcycls	#	Rate per 100 Million VMT	Rate per 1,000 Registered Motorcycles
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
2010	190	0.7	2.6	979	3.7	13.6	21	0.08	0.29	1,190	4.47	16.5
2011	228	0.9	3.3	1,117	4.2	16.0	28	0.11	0.40	1,373	5.20	19.7
2012	225	0.8	2.5	1,111	4.2	12.3	32	0.12	0.36	1,368	5.14	15.2
Total	2,060	0.8	3.4	9,941	3.8	16.4	280	0.11	0.46	12,281	4.75	20.3

Motorcyclist Crash Rates per VMT (Utah 2003-2012)



Motorcyclist Crash Rates per Registered Motorcycles (Utah 2003-2012)

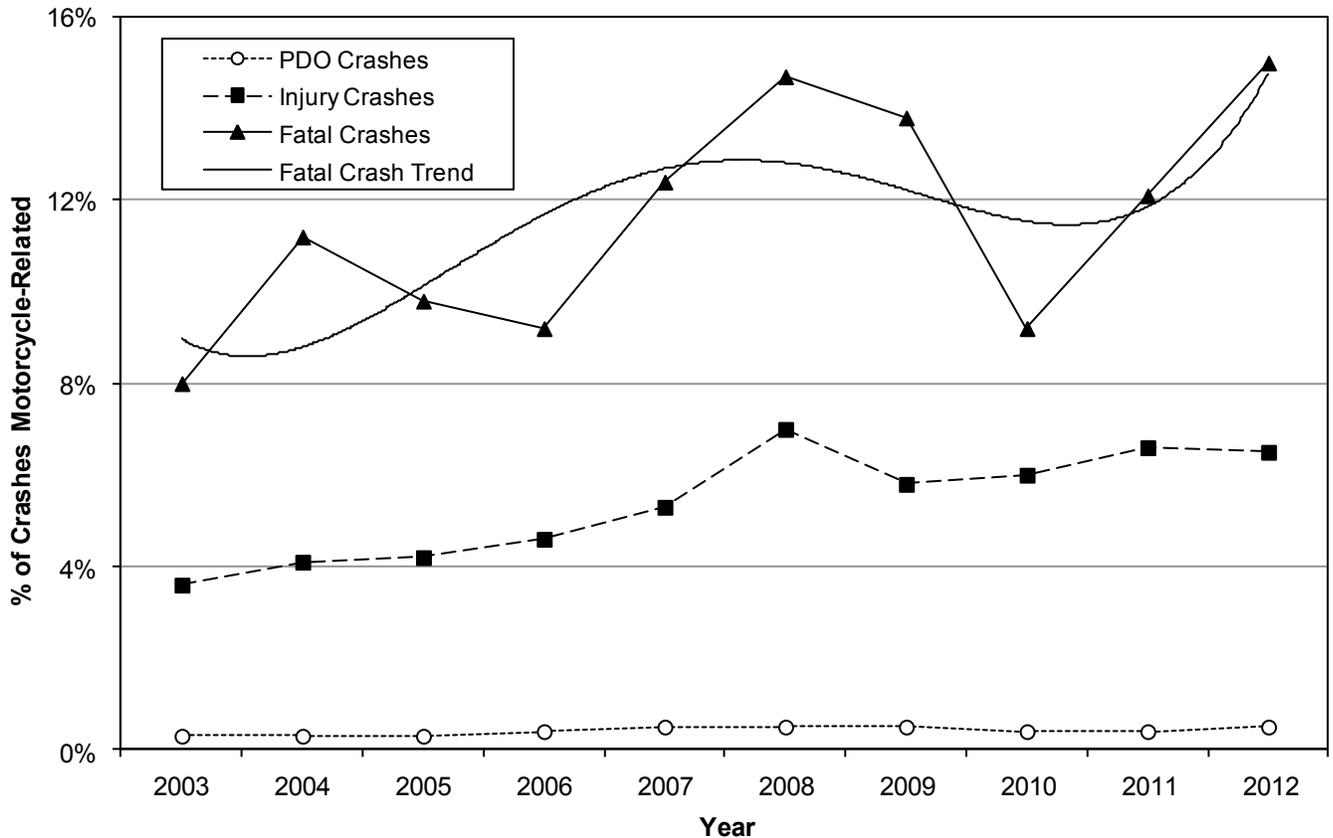


- The rate of motorcyclists in crashes per VMT has shown an increasing trend over the last 10 years.
- 2008 had the highest (6.15) rate of total motorcyclists in crashes per 100 million VMT.
- The rate of total motorcyclists in crashes per registered motorcycles has shown a decreasing trend over the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

Motorcycle Crashes (Utah 2003-2012)

Year	Property Damage Only			Injury			Fatal			Total		
	All	Motorcycle	%	All	Motorcycle	%	All	Motorcycle	%	All	Motorcycle	%
	#	#	%	#	#	%	#	#	%	#	#	%
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%
2010	34,155	137	0.4%	14,995	892	5.9%	218	20	9.2%	49,368	1,049	2.1%
2011	36,418	161	0.4%	15,645	1,038	6.6%	224	27	12.1%	52,287	1,226	2.3%
2012	34,635	175	0.5%	15,765	1,024	6.5%	200	30	15.0%	50,600	1,229	2.4%
Total	360,942	1,471	0.4%	173,343	9,174	5.3%	2,368	271	11.4%	536,653	10,916	2.0%

Percent of Crashes Involving a Motorcycle (Utah 2003-2012)

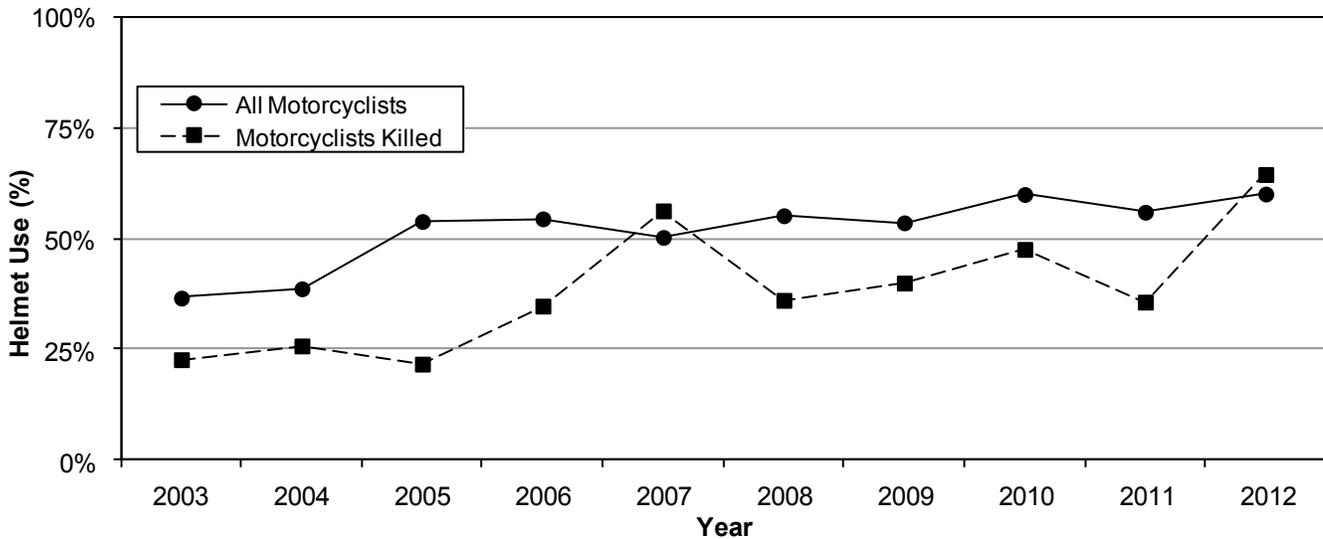


- The 10-year trend shows that motorcycle crashes represent 0.4% of property damage only crashes, 5.3% of injury crashes, and 11.4% of fatal crashes.
- Motorcycles are over-represented in fatal crashes and injury crashes accounting for 11.4% of fatal crashes and 5.3% of injury crashes compared to 2.0% of total crashes.
- During the last 10 years, the highest percent of total crashes involving motorcycles occurred in 2008 (2.5%).

Helmet Use

Helmet Use of Motorcyclists in Crashes (Utah 2003-2012)

Motorcyclists (Driver and Passenger)												
Year	Non-Injured			Injured			Killed			Total		
	No Hlmt	Helmet	%	No Hlmt	Helmet	%	No Hlmt	Helmet	%	No Helmet	Helmet	%
	#	#	%	#	#	%	#	#	%	#	#	%
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%
2010	48	84	63.6%	359	534	59.8%	11	10	47.6%	418	628	60.0%
2011	78	91	53.8%	444	586	56.9%	18	10	35.7%	540	687	56.0%
2012	57	113	66.5%	417	597	58.9%	11	20	64.5%	485	730	60.1%
Total	711	816	53.4%	4,251	4,735	52.7%	168	109	39.4%	5,130	5,660	52.5%



- Overall helmet use by motorcyclists in crashes increased from 36.6% in 2003 to 60.1% in 2012.
- Helmet use among motorcyclists killed has shown an increasing trend.

Helmet Use of Motorcyclists in Crashes (Utah 2012)

Motorcyclists (Driver and Passenger)								
Helmet Use	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
Helmet Worn	113	50.2%	597	53.7%	20	62.5%	730	53.4%
Helmet Not Worn	57	25.3%	417	37.5%	11	34.4%	485	35.5%
Unknown	55	24.4%	97	8.7%	1	3.1%	153	11.2%
Total	225	100.0%	1,111	100.0%	32	100.0%	1,368	100.0%



- Only 60.1% (of known) of the motorcyclists in crashes wore a helmet.
- Only 20 of the 32 motorcyclists killed in crashes (62.5%) were wearing a helmet.

Motorcycle Crash Conditions

Motorcyclists in Crashes by County (Utah 2012)

Motorcyclists (Driver and Passenger)								
County	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
Rich	3	6.1	9	18.3	1	2.03	13	26.4
Morgan	3	2.3	19	14.3	1	0.75	23	17.3
Garfield	4	3.6	9	8.1	1	0.90	14	12.6
Wayne	0	0.0	5	10.6	0	0.00	5	10.6
Daggett	0	0.0	2	6.6	1	3.29	3	9.9
Duchesne	2	0.7	19	6.9	1	0.36	22	8.0
Weber	18	1.1	97	6.0	1	0.06	116	7.2
Washington	12	0.9	83	6.0	3	0.22	98	7.1
Cache	14	1.6	43	4.9	0	0.00	57	6.5
Utah	25	0.7	203	5.3	8	0.21	236	6.2
Salt Lake	100	1.1	385	4.4	5	0.06	490	5.6
Kane	3	1.8	6	3.5	0	0.00	9	5.3
Grand	5	1.6	11	3.4	0	0.00	16	5.0
Sanpete	0	0.0	8	3.9	0	0.00	8	3.9
Box Elder	1	0.1	30	3.4	2	0.23	33	3.8
Tooele	11	1.3	19	2.3	0	0.00	30	3.6
Uintah	1	0.2	14	3.4	0	0.00	15	3.6
San Juan	2	0.7	8	2.6	1	0.33	11	3.6
Iron	3	0.4	21	3.0	0	0.00	24	3.4
Wasatch	1	0.3	10	3.0	0	0.00	11	3.3
Davis	9	0.4	70	2.8	3	0.12	82	3.2
Summit	3	0.4	16	2.2	3	0.41	22	3.0
Millard	0	0.0	8	1.8	1	0.22	9	2.0
Carbon	2	0.7	4	1.3	0	0.00	6	2.0
Sevier	1	0.3	4	1.3	0	0.00	5	1.6
Emery	0	0.0	4	1.0	0	0.00	4	1.0
Juab	2	0.5	2	0.5	0	0.00	4	1.0
Beaver	0	0.0	2	0.8	0	0.00	2	0.8
Piute	0	0.0	0	0.0	0	0.00	0	0.0
Statewide	225	0.8	1,111	4.2	32	0.12	1,368	5.1

- Rich (26.4), Morgan (17.3), and Garfield (12.6) counties had the highest rates of motorcyclists in crashes per vehicle miles traveled (VMT).
- Daggett (3.29) and Rich (2.03) counties had the highest rates of motorcyclists killed in crashes.

Occupant Placement of Motorcyclists in Crashes (Utah 2012)

- Drivers accounted for the majority of motorcyclists in a crash (90.2%) and motorcyclists killed (84.4%).

Motorcyclists (Driver and Passenger)								
Occupant Placement	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
Driver	194	86.2%	1,013	91.2%	27	84.4%	1,234	90.2%
Passenger	31	13.8%	98	8.8%	5	15.6%	134	9.8%
Total	225	100.0%	1,111	100.0%	32	100.0%	1,368	100.0%

Motorcycle Crash Conditions

Age of Motorcyclists in Crashes (Utah 2012)

Motorcyclists (Driver and Passenger)								
Age	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
0-9	1	0.4%	2	45.0%	1	3.1%	4	0.3%
10-14	3	1.3%	13	1.2%	0	0.0%	16	1.2%
15-19	19	8.4%	119	10.7%	1	3.1%	139	10.2%
20-24	33	14.7%	186	16.7%	6	18.8%	225	16.4%
25-29	24	10.7%	158	14.2%	2	6.3%	184	13.5%
30-34	21	9.3%	96	8.6%	3	9.4%	120	8.8%
35-39	14	6.2%	85	7.7%	2	6.3%	101	7.4%
40-44	11	4.9%	76	6.8%	2	6.3%	89	6.5%
45-49	26	11.6%	91	8.2%	2	6.3%	119	8.7%
50-54	22	9.8%	90	8.1%	2	6.3%	114	8.3%
55-59	12	5.3%	93	8.4%	6	18.8%	111	8.1%
60-64	11	4.9%	44	4.0%	4	12.5%	59	4.3%
65+	17	7.6%	52	4.7%	1	3.1%	70	5.1%
Unknown	11	4.9%	6	0.5%	0	0.0%	17	1.2%
Total	225	100.0%	1,111	144.8%	32	100.0%	1,368	100.0%

- Overall, the largest percentages of motorcyclists in crashes were aged 20-29 years (29.9%).
- The highest number of motorcyclist deaths were aged 20-24 years and 55-59 years.
- The average age of a motorcyclist in a crash was 37 years.
- The average age of a motorcyclist killed in a crash was 41 years.

Gender of Motorcyclists in Crashes (Utah 2012)

Motorcyclists (Driver and Passenger)								
Gender	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
Male	178	79.1%	926	83.3%	28	87.5%	1132	82.7%
Female	39	17.3%	183	16.5%	4	12.5%	226	16.5%
Unknown	8	3.6%	2	0.2%	0	0.0%	10	0.7%
Total	225	100.0%	1,111	100.0%	32	100.0%	1,368	100.0%

- The majority of all motorcyclists (82.7%) and motorcyclists killed (87.5%) in crashes were male.

Motorcyclists in Crashes by Month (Utah 2012)

Motorcyclists (Driver and Passenger)								
Month	Non-Injured		Injured		Killed		Total	
	#	Rate per Day	#	Rate per Day	#	Rate per Day	#	Rate per Day
January	1	0.0	18	0.6	0	0.00	19	0.6
February	4	0.1	12	0.4	0	0.00	16	0.6
March	16	0.5	73	2.4	2	0.06	91	2.9
April	21	0.7	91	3.0	3	0.10	115	3.8
May	34	1.1	132	4.3	3	0.10	169	5.5
June	34	1.1	172	5.7	5	0.17	211	7.0
July	21	0.7	153	4.9	4	0.13	178	5.7
August	31	1.0	175	5.6	7	0.23	213	6.9
September	28	0.9	136	4.5	4	0.13	168	5.6
October	22	0.7	90	2.9	1	0.03	113	3.6
November	9	0.3	45	1.5	3	0.10	57	1.9
December	4	0.1	14	0.5	0	0.00	18	0.6
Total	225	0.6	1,111	3.0	32	0.09	1,368	3.7

- 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.

Motorcycle Crash Conditions

Motorcyclists in Crashes by Hour (Utah 2012)

Motorcyclists (Driver and Passenger)								
Hour	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
Midnight	0	0.0%	21	1.9%	1	3.1%	22	1.6%
1 a.m.	3	1.3%	11	1.0%	2	6.3%	16	1.2%
2 a.m.	0	0.0%	9	0.8%	0	0.0%	9	0.7%
3 a.m.	0	0.0%	5	0.5%	0	0.0%	5	0.4%
4 a.m.	1	0.4%	7	0.6%	2	6.3%	10	0.7%
5 a.m.	2	0.9%	8	0.7%	0	0.0%	10	0.7%
6 a.m.	4	1.8%	14	1.3%	0	0.0%	18	1.3%
7 a.m.	4	1.8%	25	2.3%	1	3.1%	30	2.2%
8 a.m.	15	6.7%	32	2.9%	0	0.0%	47	3.4%
9 a.m.	10	4.4%	39	3.5%	0	0.0%	49	3.6%
10 a.m.	9	4.0%	59	5.3%	2	6.3%	70	5.1%
11 a.m.	6	2.7%	47	4.2%	1	3.1%	54	3.9%
Noon	18	8.0%	84	7.6%	1	3.1%	103	7.5%
1 p.m.	9	4.0%	76	6.8%	2	6.3%	87	6.4%
2 p.m.	25	11.1%	89	8.0%	7	21.9%	121	8.8%
3 p.m.	16	7.1%	92	8.3%	0	0.0%	108	7.9%
4 p.m.	23	10.2%	84	7.6%	5	15.6%	112	8.2%
5 p.m.	19	8.4%	99	8.9%	2	6.3%	120	8.8%
6 p.m.	20	8.9%	81	7.3%	1	3.1%	102	7.5%
7 p.m.	14	6.2%	87	7.8%	2	6.3%	103	7.5%
8 p.m.	6	2.7%	62	5.6%	1	3.1%	69	5.0%
9 p.m.	9	4.0%	35	3.2%	0	0.0%	44	3.2%
10 p.m.	11	4.9%	28	2.5%	2	6.3%	41	3.0%
11 p.m.	1	0.4%	17	1.5%	0	0.0%	18	1.3%
Total	225	100.0%	1,111	100.0%	32	100.0%	1,368	100.0%

- Nearly two-thirds (62.6%) of total motorcycle crashes occurred between 12:00 p.m. and 7:59 p.m.

Motorcyclists in Crashes by Day of Week (Utah 2012)

- Over one-third (33.6%) of total motorcycle crashes occurred on Friday and Saturday.
- Fatal motorcycle crashes occurred most frequently on Sunday (25.0%).

Motorcyclists (Driver and Passenger)								
Day of Week	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
Sunday	24	10.7%	156	14.0%	8	25.0%	188	13.7%
Monday	27	12.0%	144	13.0%	3	9.4%	174	12.7%
Tuesday	36	16.0%	138	12.4%	3	9.4%	177	12.9%
Wednesday	29	12.9%	155	14.0%	2	6.3%	186	13.6%
Thursday	38	16.9%	142	12.8%	4	12.5%	184	13.5%
Friday	33	14.7%	178	16.0%	5	15.6%	216	15.8%
Saturday	38	16.9%	198	17.8%	7	21.9%	243	17.8%
Total	225	100.0%	1,111	100.0%	32	100.0%	1,368	100.0%

Motorcycle Driver License Status (Utah 2012)

- Of the 30 motorcycle drivers in fatal crashes, 19 (63.3%) had a valid motorcycle license.

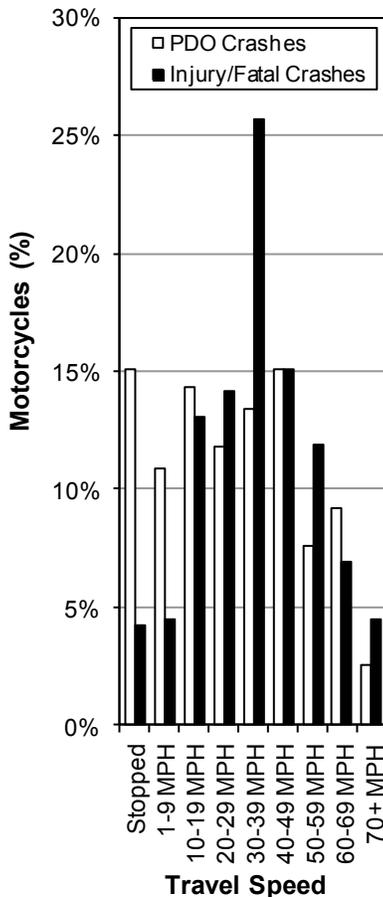
Motorcycle Crash Conditions

Motorcycle Driver Age (Utah 2012)

Motorcycle Drivers								
Age	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
<15	1	0.6%	5	0.5%	0	0.0%	6	0.5%
15-19	9	5.5%	113	10.9%	0	0.0%	122	9.9%
20-24	28	17.2%	171	16.4%	7	23.3%	206	16.7%
25-29	19	11.7%	150	14.4%	2	6.7%	171	13.9%
30-34	16	9.8%	93	8.9%	2	6.7%	111	9.0%
35-39	13	8.0%	82	7.9%	2	6.7%	97	7.9%
40-44	7	4.3%	73	7.0%	2	6.7%	82	6.6%
45-49	18	11.0%	87	8.4%	3	10.0%	108	8.8%
50-54	15	9.2%	85	8.2%	2	6.7%	102	8.3%
55-59	8	4.9%	83	8.0%	6	20.0%	97	7.9%
60-64	8	4.9%	41	3.9%	3	10.0%	52	4.2%
65+	15	9.2%	51	4.9%	1	3.3%	67	5.4%
Unknown	6	3.7%	7	0.7%	0	0.0%	13	1.1%
Total	163	100.0%	1,041	100.0%	30	100.0%	1,234	100.0%

- One-half (49.9%) of the motorcycle drivers in crashes were under the age of 35 years.

Travel Speed (Utah 2012)



Motorcycles								
Travel Speed	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Parked	19	10.9%	3	0.3%	0	0.0%	22	1.8%
Stopped	18	10.3%	35	3.4%	0	0.0%	53	4.3%
1-9 MPH	13	7.4%	37	3.6%	0	0.0%	50	4.0%
10-19 MPH	17	9.7%	107	10.3%	1	3.3%	125	10.0%
20-29 MPH	14	8.0%	117	11.2%	0	0.0%	131	10.5%
30-39 MPH	16	9.1%	209	20.1%	3	10.0%	228	18.3%
40-49 MPH	18	10.3%	119	11.4%	6	20.0%	143	11.5%
50-59 MPH	9	5.1%	90	8.6%	8	26.7%	107	8.6%
60-69 MPH	11	6.3%	53	5.1%	4	13.3%	68	5.5%
70-79 MPH	2	1.1%	23	2.2%	4	13.3%	29	2.3%
80+ MPH	1	0.6%	8	0.8%	2	6.7%	11	0.9%
Unknown	37	21.1%	241	23.1%	2	6.7%	280	22.5%
Total	175	100.0%	1,042	100.0%	30	100.0%	1,247	100.0%

- Nearly two-thirds (64.8% of known) of motorcycles in total crashes were traveling 10-49 MPH.
- Most (85.7% of known) of the motorcycles in fatal crashes were traveling 40 MPH or higher.

Motorcycle Crash Conditions

Maneuver of Other Vehicle Prior to Motorcycle Crash (Utah 2012)

Vehicles Other than Motorcycles (Motorcycle Crash)								
Vehicle Maneuver	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Straight Ahead	45	30.6%	162	30.5%	10	52.6%	217	31.1%
Turning Left	25	17.0%	157	29.6%	6	31.6%	188	27.0%
Stopped in Traffic Lane	22	15.0%	60	11.3%	0	0.0%	82	11.8%
Slowing in Traffic Lane	5	3.4%	36	6.8%	1	5.3%	42	6.0%
Changing Lanes	3	2.0%	29	5.5%	1	5.3%	33	4.7%
Turning Right	10	6.8%	21	4.0%	0	0.0%	31	4.4%
Making U-turn	3	2.0%	25	4.7%	1	5.3%	29	4.2%
Backing	15	10.2%	6	1.1%	0	0.0%	21	3.0%
Parked/Parking	8	5.4%	8	1.5%	0	0.0%	16	2.3%
Entering/Leaving Traffic Lane	1	0.7%	9	1.7%	0	0.0%	10	1.4%
Overtaking/Passing	0	0.0%	3	0.6%	0	0.0%	3	0.4%
Unknown/Other	10	6.8%	15	2.8%	0	0.0%	25	3.6%
Total	147	100.0%	531	100.0%	19	100.0%	697	100.0%

• For all motorcycle crashes, the leading maneuvers of vehicles other than motorcycles prior to the crash were straight ahead (31.1%) and turning left (27.0%).

Contributing Factors of Drivers Other than Motorcyclists in Motorcycle Crashes (Utah 2012)

• Failed to yield right of way (31.6%), improper turn (10.0%), vision obscured (8.9%), and followed too closely (7.3%), and were the leading contributing factors for drivers other than motorcyclists in all motorcycle crashes.

Drivers/Vehicles Other than Motorcycles (Motorcycle Crash)								
Contributing Factors	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Failed to Yield Right of Way	19	19.4%	171	34.4%	5	21.7%	195	31.6%
Improper Turn	11	11.2%	51	10.3%	0	0.0%	62	10.0%
Vision Obscured	4	4.1%	49	9.9%	2	8.7%	55	8.9%
Followed Too Closely	12	12.2%	32	6.4%	1	4.3%	45	7.3%
Other Improper Driving	8	8.2%	32	6.4%	1	4.3%	41	6.6%
Driver Distraction	4	4.1%	30	6.0%	2	8.7%	36	5.8%
Improper Lane Change	2	2.0%	29	5.8%	1	4.3%	32	5.2%
Hit and Run	12	12.2%	12	2.4%	1	4.3%	25	4.0%
Disregard Traffic Signal/Sign	0	0.0%	18	3.6%	0	0.0%	18	2.9%
Failed to Keep in Proper Lane	4	4.1%	13	2.6%	0	0.0%	17	2.8%
Improper Backing	12	12.2%	5	1.0%	0	0.0%	17	2.8%
Speed Too Fast	1	1.0%	11	2.2%	4	17.4%	16	2.6%
Vehicle Defective Condition	3	3.1%	5	1.0%	1	4.3%	9	1.5%
Driving Under the Influence	1	1.0%	5	1.0%	2	8.7%	8	1.3%
Reckless/Aggressive Driving	0	0.0%	7	1.4%	0	0.0%	7	1.1%
Driver Emotional Prior to Crash	1	1.0%	5	1.0%	0	0.0%	6	1.0%
Swerved or Evasive Action	1	1.0%	4	0.8%	1	4.3%	6	1.0%
Wrong Side/Wrong Way	0	0.0%	5	1.0%	0	0.0%	5	0.8%
Driver Illness/Medical	0	0.0%	4	0.8%	0	0.0%	4	0.6%
Other Driver Condition	1	1.0%	2	0.4%	1	4.3%	4	0.6%
Overcorrected	2	2.0%	1	0.2%	1	4.3%	4	0.6%
Driver Asleep/Fatigue	0	0.0%	3	0.6%	0	0.0%	3	0.5%
Improper Parking/Stopping	0	0.0%	3	0.6%	0	0.0%	3	0.5%
Total	98	100.0%	497	100.0%	23	100.0%	618	100.0%

Motorcycle Crash Conditions

Contributing Factors of Motorcycle Drivers in Crashes (Utah 2012)

Motorcycle Drivers/Vehicles								
Contributing Factors	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Followed Too Closely	24	19.7%	107	11.7%	2	4.7%	133	12.4%
Speed Too Fast	15	12.3%	103	11.3%	14	32.6%	132	12.3%
Failed to Keep in Proper Lane	7	5.7%	104	11.4%	11	25.6%	122	11.3%
Swerved or Evasive Action	11	9.0%	106	11.6%	1	2.3%	118	11.0%
Other Improper Driving	9	7.4%	60	6.6%	0	0.0%	69	6.4%
Ran Off Road	7	5.7%	58	6.4%	3	7.0%	68	6.3%
Driving Under the Influence	1	0.8%	51	5.6%	1	2.3%	53	4.9%
Overcorrected	0	0.0%	49	5.4%	1	2.3%	50	4.6%
Driver Distraction	6	4.9%	34	3.7%	1	2.3%	41	3.8%
Failed to Yield Right of Way	10	8.2%	25	2.7%	1	2.3%	36	3.3%
Reckless/Aggressive Driving	3	2.5%	27	3.0%	1	2.3%	31	2.9%
Vehicle Other Defective Condition	1	0.8%	23	2.5%	0	0.0%	24	2.2%
Vehicle Tires	2	1.6%	21	2.3%	0	0.0%	23	2.1%
Disregard Traffic Signal/Sign	1	0.8%	15	1.6%	2	4.7%	18	1.7%
Improper Lane Change	2	1.6%	14	1.5%	0	0.0%	16	1.5%
Improper Turn	2	1.6%	14	1.5%	0	0.0%	16	1.5%
Improper Parking/Stopping	4	3.3%	11	1.2%	0	0.0%	15	1.4%
Improper Passing	3	2.5%	11	1.2%	1	2.3%	15	1.4%
Vehicle Brakes	0	0.0%	14	1.5%	0	0.0%	14	1.3%
Vision Obscured by Moving Vehicle	2	1.6%	9	1.0%	2	4.7%	13	1.2%
Other Driver Condition	3	2.5%	8	0.9%	0	0.0%	11	1.0%
Vision Obscured by Weather Condition	2	1.6%	9	1.0%	0	0.0%	11	1.0%
Vision Obscured by Other	0	0.0%	8	0.9%	1	2.3%	9	0.8%
Hit and Run	3	2.5%	5	0.5%	0	0.0%	8	0.7%
Vision Obscured by Parked Vehicle	1	0.8%	5	0.5%	0	0.0%	6	0.6%
Driver Asleep/Fatigue	1	0.8%	3	0.3%	0	0.0%	4	0.4%
Driver Illness/Medical	0	0.0%	4	0.4%	0	0.0%	4	0.4%
Vision Obscured by Glare	1	0.8%	3	0.3%	0	0.0%	4	0.4%
Wrong Side/Wrong Way	1	0.8%	2	0.2%	1	2.3%	4	0.4%
Driver Emotional Prior to Crash	0	0.0%	3	0.3%	0	0.0%	3	0.3%
Vision Obscured by Vegetation	0	0.0%	3	0.3%	0	0.0%	3	0.3%
Improper Backing	0	0.0%	1	0.1%	0	0.0%	1	0.1%
Improper Signal	0	0.0%	1	0.1%	0	0.0%	1	0.1%
Total	122	100.0%	911	100.0%	43	100.0%	1,076	100.0%

- Followed too closely (12.4%), speed too fast (12.3%), failed to keep in proper lane (11.3%), and swerved/evasive action (11.0%) were the leading contributing factors for all motorcycle crashes.
- The leading contributing factors for fatal crashes were speed too fast (32.6%) and failed to keep in proper lane (25.6%).

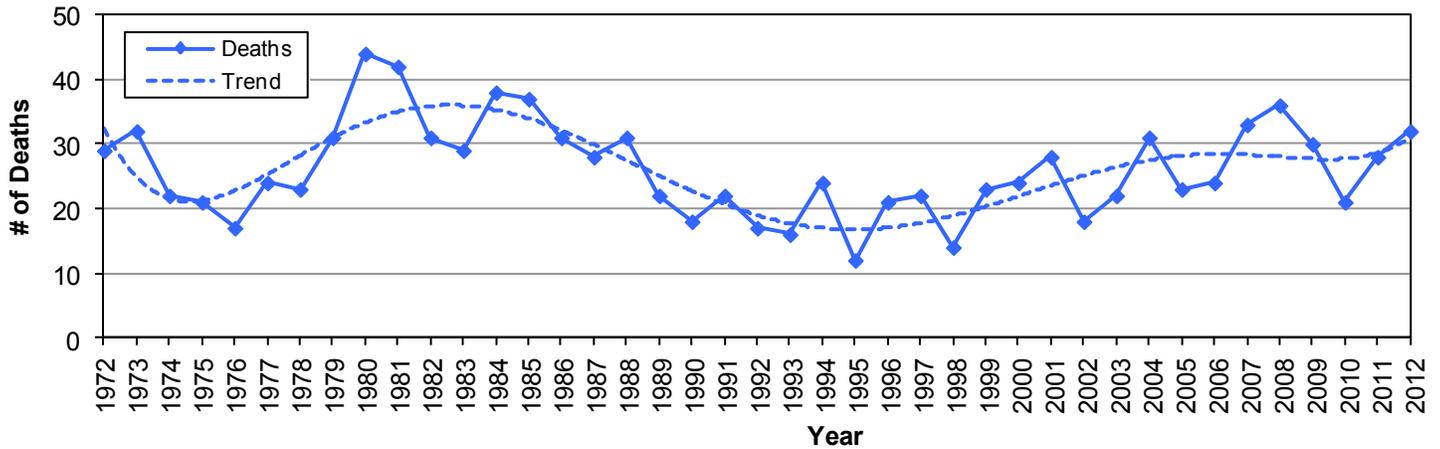
Motorcycles



Did you know in 2012:

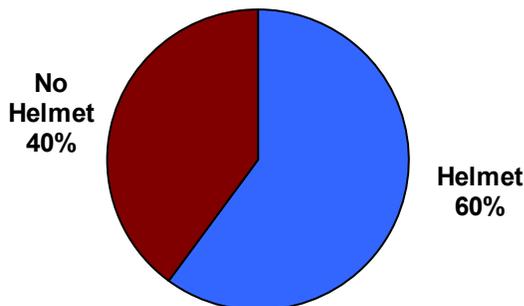
- There were 1,229 motorcycle crashes in Utah, resulting in 1,111 injured motorcyclists and 32 motorcyclist deaths.
- Motorcyclists accounted for 1% of persons in crashes and 15% of deaths.
- Motorcyclists were one of the few crash types that saw an increase in deaths compared to 2011.
- Motorcycle crashes were 7.2 times more likely to result in a death than other crashes.

Motorcyclist Deaths (Utah 1972-2012)



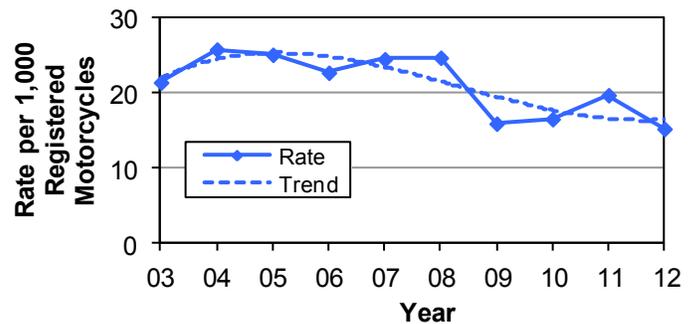
- Motorcyclist deaths increased in 2012 for the second straight year.
- The 36 motorcyclist deaths in 2008 were the highest total since 1985.

Helmet Use of Motorcyclists in Crashes (Utah 2012)



- Only 60% 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 2003-2012)



- The rate of motorcyclists in crashes per registered motorcycles decreased 23% from 2011.

Motorcycles



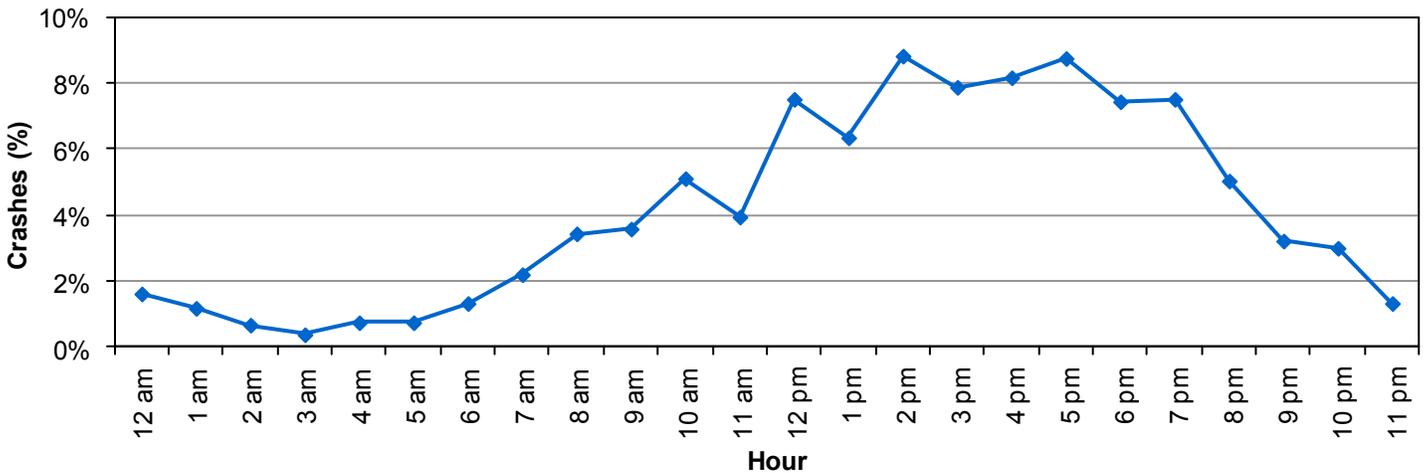
Leading Motorcyclist Contributing Factors in Crashes (Utah 2012)

1. Followed Too Closely (11%)
2. Speed Too Fast (11%)
3. Failed to Keep in Proper Lane (10%)
4. Swerved or Evasive Action (10%)
5. Ran Off Road (6%)



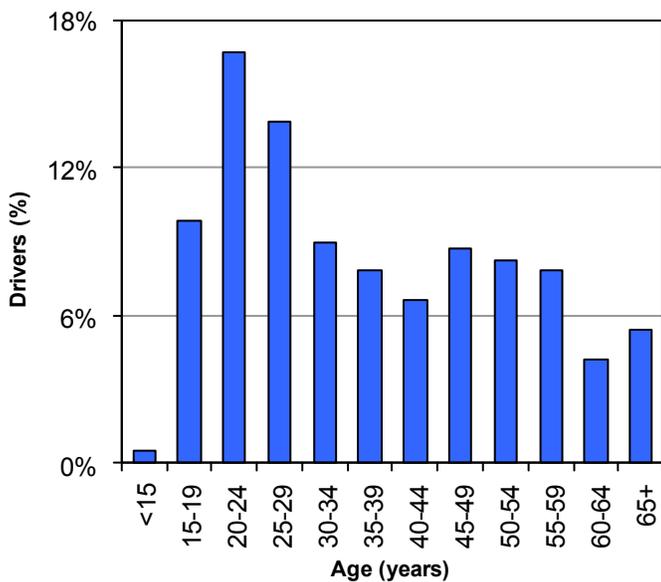
Left Turns
Over one-fourth (27%) of drivers who hit motorcycles were turning left. Drivers need to watch for motorcycles before turning.

Motorcyclists In Crashes by Hour of Day (Utah 2012)



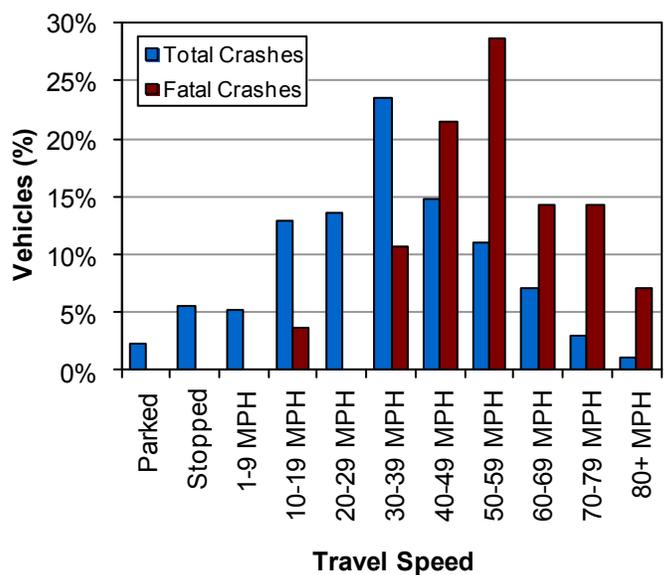
- Nearly two-thirds (63%) of motorcycle crashes occurred between 12:00 p.m. and 6:59 p.m.

Age of Motorcycle Drivers in All Crashes (Utah 2012)



- One-half of motorcycle drivers in crashes were under the age of 35 years.

Travel Speed of Motorcycles in Crashes (Utah 2012)



- Most (86%) of the motorcycles in fatal crashes were traveling 40 MPH or higher.