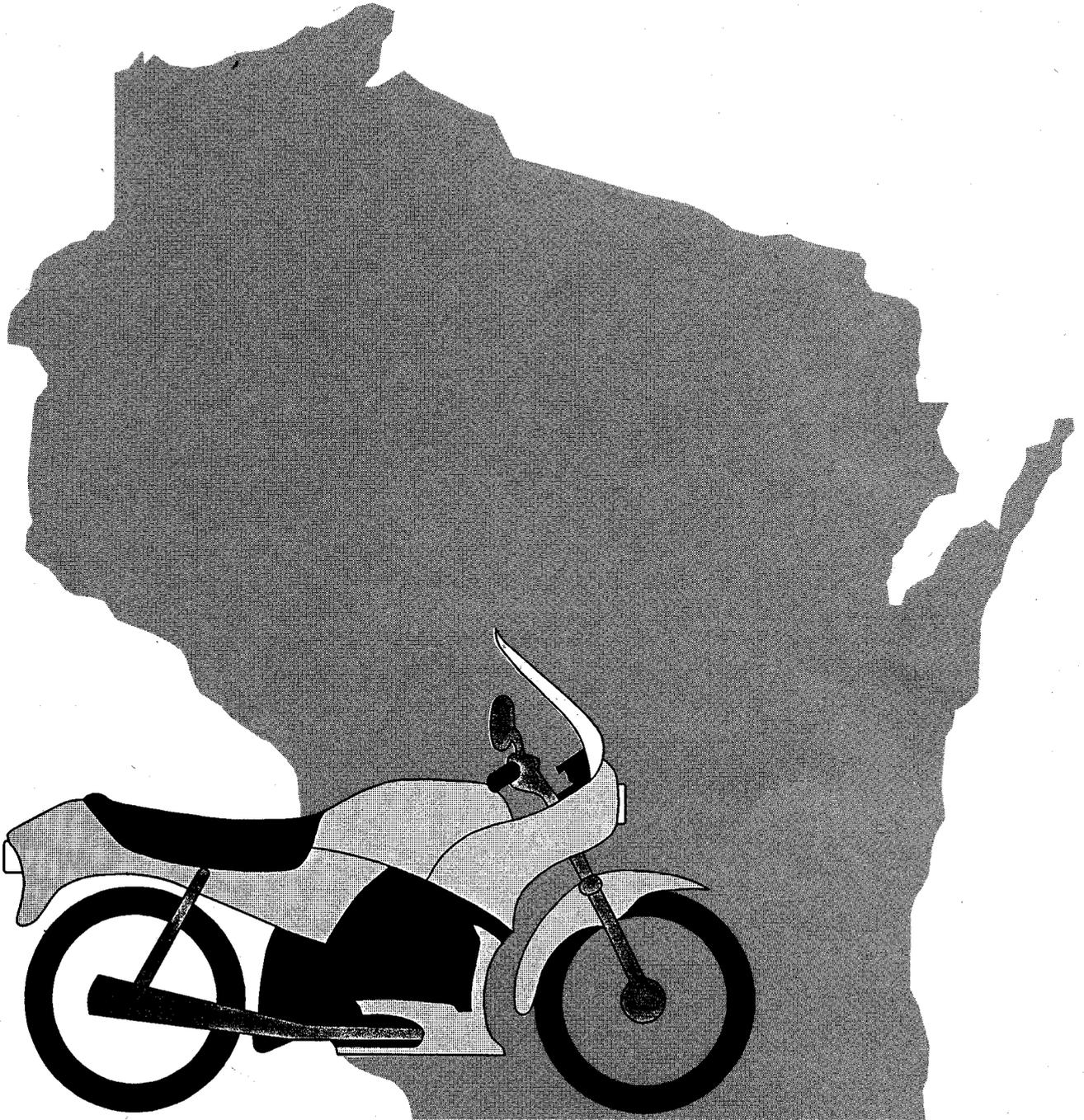


# 2000 WISCONSIN MOTORCYCLE SAFETY FACTS BOOK





## Wisconsin Department of Transportation

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Governor

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September, 2000

Dear Traffic Safety Advocate:

The Department of Transportation's Bureau of Transportation Safety is happy to provide to you a copy of the **2000 Wisconsin Motorcycle Safety Facts Book**.

This book provides a statewide profile of crash information and motorcycling in Wisconsin.

This material supports our goal of improved information sharing among agencies, organizations, individuals and businesses that have motorcycle safety interests. It also will assist us in determining areas where improvement is necessary so appropriate programs can be established to address those concerns.

I would like to thank all the individuals, organizations and agencies that contributed to the publication of this book. The printing costs for this publication come from the Wisconsin Department of Transportation's Motorcycle Safety Program, and the labor costs come from the Wisconsin Department of Employment Relations' Summer Affirmative Action Internship Program. I especially thank Bradley Thomas, who compiled the data in the book

If you would like to obtain additional copies of this book, or if you require further information, please write Ronald Thompson, WisDOT Bureau of Transportation Safety, P. O. Box 7936, Madison, Wisconsin 53707, call 1-800-368-9677, or email at [ronald.thompson@dot.state.wi.us](mailto:ronald.thompson@dot.state.wi.us).

Sincerely,

A handwritten signature in cursive script that reads "John Evans".

John Evans, Director  
Bureau of Transportation Safety

## MOTORCYCLE SAFETY AT A GLANCE

- For every 100 Wisconsin residents, there are 3.4 registered motorcycles.
- In 1999, 65 motorcyclists were killed, the same number as in 1998.
- Last year, 1,965 motorcyclists were injured on Wisconsin roads, a 2% increase from 1998. An additional 103 non-motorcyclists were injured in crashes involving motorcycles.
- While cyclists between ages 35 and 54 account for 63% of licensed cyclists, they only account for 41% of drivers in crashes in 1999. While 16-24 year olds account for only 4.5% of the licensed cyclists, they account for 23.4% of those in crashes in 1999.
- Alcohol and/or speed was the primary contributing factor in 77.5% of all single unit fatal crashes in 1999 and 37% of all single unit crashes.
- There were 282 alcohol-related crashes in 1999. Of these, 248 (87.9 percent) occurred between 4 p.m. and 4 a.m.
- Motorcycle helmets were known to be worn by seventeen of 1999's 65 fatally injured motorcyclists.
- Motorcycle helmets were known to be worn by 31 percent of all motorcyclists involved in 1999 crashes.
- Almost nine out of ten motorcycle crashes occur on dry pavement.
- More than nine out of ten Wisconsin residents who hold regular motorcycle endorsements are male.
- Saturday and Sunday are the two most common days for motorcycle crashes, both for alcohol-related (more than half occurred on one of those two days) and non-alcohol-related crashes.
- More motorcycle crashes occur between 3 p.m. and 6 p.m. than any other three-hour time block.

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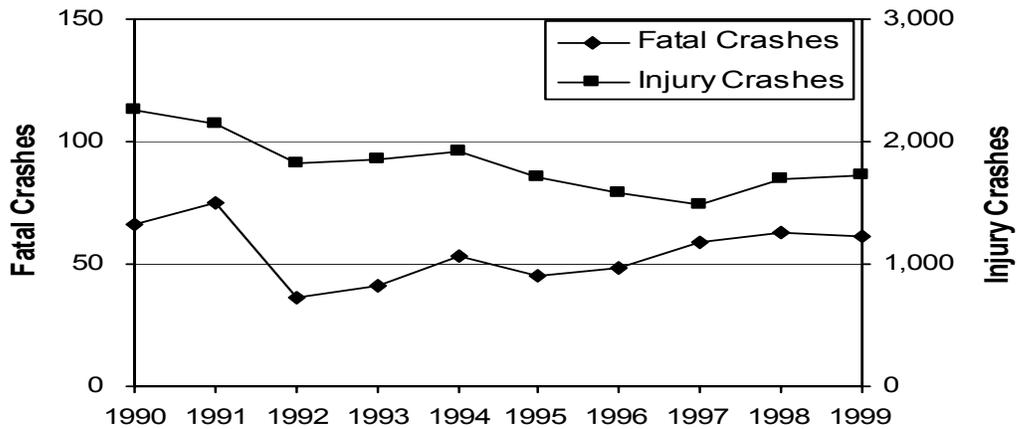
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## Motorcycle Crashes 10-Year Summary

Year	Registered Cycles	Cyclist Fatalities	Fatal Crashes	Single Unit Fatal Crashes	Injury Crashes	Property Damage Crashes	Total Crashes	Cyclists Killed Without Helmet or Unknown	Cyclists Killed Wearing Helmet
1990	161,515	67	66	26	2,261	386	2,713	51	16
1991	179,768	76	75	42	2,139	387	2,601	57	19
1992	150,857	40	36	23	1,825	296	2,157	37	3
1993	169,499	40	41	23	1,861	341	2,243	32	8
1994	149,756	57	53	25	1,924	320	2,297	50	7
1995	168,287	47	45	20	1,709	303	2,057	43	4
1996	148,975	50	48	24	1,580	195	1,823	40	10
1997	167,997	63	59	37	1,487	214	1,760	52	11
1998	156,921	65	63	30	1,691	235	1,989	51	14
1999	179,494	65	61	31	1,720	231	2,012	46	17

Note: The number of cyclists killed includes both drivers and passengers.  
Source: WisDOT/DMV/Accident Database

### 1990-1999 Fatal and Injury Motorcycle Crashes



Source: WisDOT/DMV/Accident Database

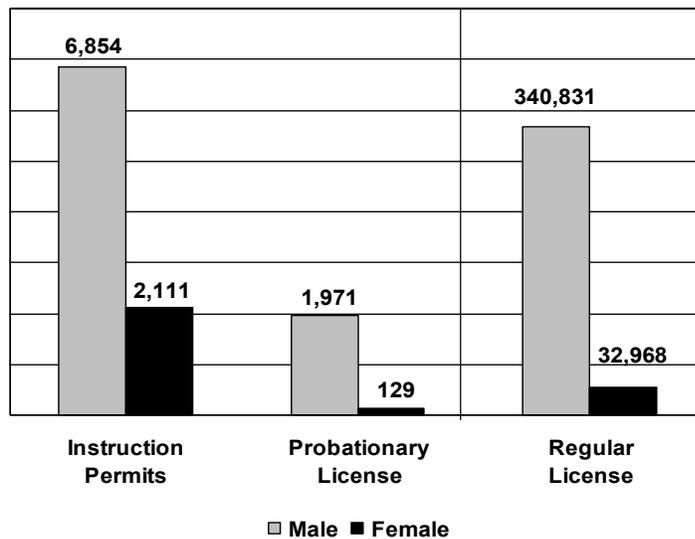
## 1999 Drivers with Motorcycle Endorsements By Type, Sex, and Age

Age	Instruction Permits		Motorcycle License - Class M						Total
	Male	Female	Probationary		Regular		Totals		
			Male	Female	Male	Female	Male	Female	
16	0	0	113	5	0	0	113	5	118
17	211	10	424	32	0	0	635	42	677
18	237	13	637	44	47	2	921	59	980
19	289	25	73	3	952	70	1,314	98	1,412
20	359	37	73	10	1,476	108	1,908	155	2,063
21	315	40	79	6	1,864	143	2,258	189	2,447
22	294	51	53	6	2,172	215	2,519	272	2,791
23	240	66	51	4	2,476	257	2,767	327	3,094
24	274	57	46	1	3,080	271	3,400	329	3,729
25-34	2,020	670	285	13	59,972	6,209	62,277	6,892	68,420
35-44	1,453	775	112	5	120,756	12,253	122,321	13,033	135,354
45-54	851	319	17	0	97,453	9,377	98,321	9,696	108,017
55-64	259	46	7	0	35,620	3,222	35,886	3,268	39,154
65-74	50	2	1	0	11,870	722	11,921	724	12,645
75+	2	0	0	0	3,093	119	3,095	119	3,214
<b>TOTAL</b>	<b>6,854</b>	<b>2,111</b>	<b>1,971</b>	<b>129</b>	<b>340,831</b>	<b>32,968</b>	<b>349,656</b>	<b>35,208</b>	<b>384,864</b>

Note: As of 12/31/99

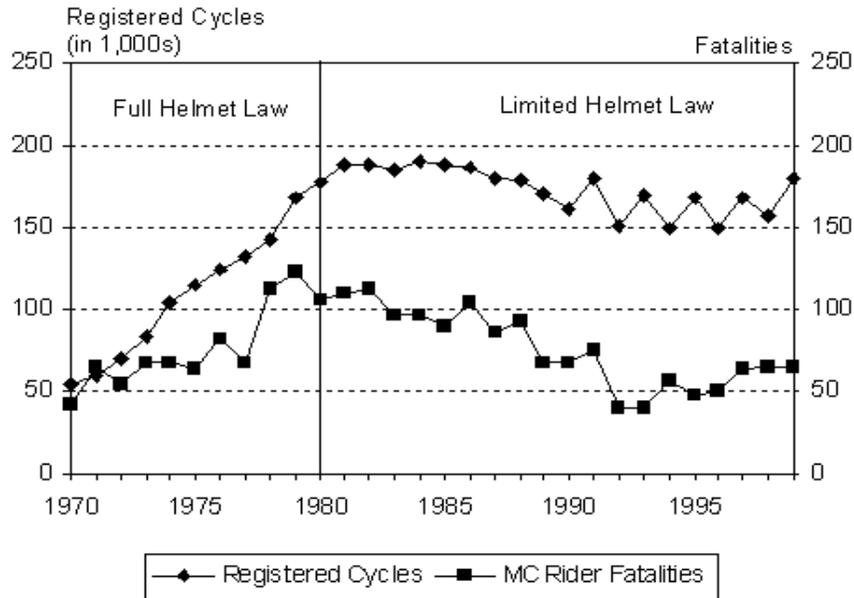
Source: WisDOT/DMV/Bureau of Driver Services

## 1999 Drivers with Motorcycle Endorsements By Type, Sex, and Age



Source: WisDOT/DMV/Bureau of Driver Services

## Registered Cycles and Motorcycle Rider Fatalities (1970-1999)



Source: WisDOT/DMV/Accident Database

### Motorcycle Sales in Wisconsin (TOTAL)

YEAR	NEW CYCLES	USED CYCLES (DEALER)	USED CYCLES (PRIVATE)	TOTAL CYCLE SALES
1995	6,981	5,736	25,980	38,697
1996	7,530	5,777	26,773	40,080
1997	8,683	6,052	25,543	40,278
1998	9,920	6,548	28,648	59,431
1999	12,166	6,954	25,460	44,580

### Motorcycle Sales in Wisconsin (USED)

YEAR	DEALER	PRIVATE	PERCENT	
			DEALER	PRIVATE
1995	5,736	25,980	18.1%	81.9%
1996	5,777	26,773	17.7%	82.3%
1997	6,052	25,543	19.2%	80.8%
1998	6,548	28,648	18.6%	81.4%
1999	6,954	25,460	21.5%	78.5%

### Motorcycle Sales (NEW VS. USED)

YEAR	NEW CYCLES	USED CYCLES	PERCENT	
			NEW	USED
1995	6,981	31,716	18.0%	82.0%
1996	7,530	32,550	18.8%	81.2%
1997	8,683	31,595	21.6%	78.4%
1998	9,920	35,196	22.0%	78.0%
1999	12166	32414	27.3%	72.7%

### Motorcycle Sales (DEALER VS. PRIVATE)

YEAR	DEALER	PRIVATE	PERCENT	
			DEALER	PRIVATE
1995	12,717	25,980	32.9%	67.1%
1996	13,307	26,773	33.2%	66.8%
1997	14,735	25,543	36.6%	63.4%
1998	16,468	28,648	36.5%	63.5%
1999	19120	25460	42.9%	57.1%

Source: WisDOT/DMV/Bureau of Vehicle Services

### 1999 Registered Cycles and Total Crashes by County

County	1999 Estimated Population	Registered Cycles	Cycles per 1000 Residents	Total Cycle Crashes	Crashes per 100 Registered	Total Crashes	% Cycle Crashes
Adams	18,184	800	43.99	16	2.00	823	1.94%
Ashland	16,835	580	34.45	4	0.69	285	1.40%
Barron	43,308	1,469	33.92	9	0.61	992	0.91%
Bayfield	14,690	702	47.79	3	0.43	299	1.00%
Brown	220,773	7,423	33.62	66	0.89	4,384	1.51%
Buffalo	13,895	764	54.98	10	1.31	319	3.13%
Burnett	14,154	598	42.25	5	0.84	262	1.91%
Calumet	39,313	1,408	35.82	13	0.92	732	1.78%
Chippewa	55,217	1,995	36.13	15	0.75	1,395	1.08%
Clark	32,806	1,214	37.01	14	1.15	943	1.48%
Columbia	49,839	1,883	37.78	30	1.59	1,899	1.58%
Crawford	16,704	535	32.03	14	2.62	479	2.92%
Dane	413,090	11,708	28.34	123	1.05	9,928	1.24%
Dodge	84,312	3,148	37.34	31	0.98	1,848	1.68%
Door	26,589	1,523	57.28	11	0.72	820	1.34%
Douglas	42,328	1,307	30.88	15	1.15	1,003	1.50%
Dunn	38,570	1,417	36.74	16	1.13	1,198	1.34%
Eau Claire	91,760	2,946	32.11	34	1.15	2,438	1.39%
Florence	5,073	215	42.38	5	2.33	232	2.16%
Fond du Lac	96,678	3,615	37.39	44	1.22	2,704	1.63%
Forest	9,323	351	37.65	1	0.28	300	0.33%
Grant	49,876	1,718	34.45	13	0.76	1,352	0.96%
Green	32,153	1,453	45.19	15	1.03	899	1.67%
Green Lake	19,600	611	31.17	5	0.82	611	0.82%
Iowa	22,160	776	35.02	8	1.03	626	1.28%
Iron	6,343	263	41.46	3	1.14	116	2.59%
Jackson	18,457	718	38.90	9	1.25	913	0.99%
Jefferson	74,004	2,842	38.40	18	0.63	1,739	1.04%
Juneau	23,533	1,004	42.66	12	1.20	810	1.48%
Kenosha	142,407	5,349	37.56	65	1.22	3,415	1.90%
Kewaunee	20,028	935	46.68	10	1.07	255	3.92%
La Crosse	106,193	3,020	28.44	39	1.29	2,886	1.35%
Lafayette	16,258	477	29.34	3	0.63	453	0.66%
Lanlade	20,622	701	33.99	6	0.86	373	1.61%
Lincoln	28,999	1,135	39.14	17	1.50	893	1.90%
Manitowoc	84,727	4,097	48.36	42	1.03	2,005	2.09%
Marathon	126,393	4,585	36.28	35	0.76	3,551	0.99%
Marinette	42,925	1,749	40.75	23	1.32	909	2.53%
Marquette	13,847	547	39.50	12	2.19	582	2.06%
Menominee	4,655	20	4.30	1	5.00	39	2.56%
Milwaukee	956,688	19,564	20.45	313	1.60	23,815	1.31%
Monroe	39,134	1,420	36.29	17	1.20	1,378	1.23%
Oconto	33,590	1,734	51.62	28	1.61	721	3.88%
Oneida	34,840	1,525	43.77	19	1.25	975	1.95%
Outagamie	157,994	6,077	38.46	40	0.66	3,702	1.08%
Ozaukee	80,759	2,994	37.07	29	0.97	1,400	2.07%
Pepin	7,249	317	43.73	4	1.26	145	2.76%
Pierce	35,001	1,400	40.00	21	1.50	719	2.92%
Polk	37,476	1,630	43.49	16	0.98	671	2.38%
Portage	67,378	2,273	33.74	26	1.14	2,134	1.22%
Price	16,366	659	40.27	4	0.61	251	1.59%
Racine	188,904	6,509	34.46	75	1.15	4,038	1.86%
Richland	17,852	573	32.10	13	2.27	554	2.35%
Rock	150,617	5,425	36.02	60	1.11	4,120	1.46%
Rusk	15,321	409	26.70	6	1.47	267	2.25%
Sauk	52,863	2,186	41.35	38	1.74	2,080	1.83%
Sawyer	15,643	431	27.55	6	1.39	343	1.75%
Shawano	39,066	1,315	33.66	13	0.99	1,460	0.89%
Sheboygan	112,063	4,683	41.79	62	1.32	2,805	2.21%
St. Croix	58,724	2,576	43.87	28	1.09	1,701	1.65%
Taylor	19,566	752	38.43	2	0.27	650	0.31%
Trempealeau	26,500	984	37.13	6	0.61	505	1.19%
Vernon	26,715	926	34.66	17	1.84	653	2.60%
Vilas	19,594	817	41.70	14	1.71	512	2.73%
Walworth	85,493	3,755	43.92	45	1.20	1,927	2.34%
Washburn	14,889	565	37.95	2	0.35	332	0.60%
Washington	113,859	5,159	45.31	58	1.12	2,339	2.48%
Waukesha	350,273	13,467	38.45	110	0.82	7,454	1.48%
Waupaca	50,125	1,881	37.53	31	1.65	1,705	1.82%
Waushara	21,113	845	40.02	16	1.89	673	2.38%
Winnebago	154,754	5,132	33.16	42	0.82	3,644	1.15%
Wood	77,797	3,456	44.42	36	1.04	1,567	2.30%
Wisconsin 1999	5,274,827	179,040	33.94	2,012	1.12	130,950	1.54%
US 1997 (est)	267,743,595	3,826,373	14.29	64,000	1.67	6,764,000	0.95%

Based on 1999 Population Estimates and 1999 Registration Data  
Source: WisDOT/DMV/Accident Database  
Wis. Dept. of Administration Demographic Services/NHTSA Traffic Safety Facts 1995/Motorcycle Statistical Annual  
US Data are all estimates

## 1999- Motorcyclists Injured or Killed By Age and Injury Severity by Gender

Age	Severity of Injury by Sex												Total Injured or Killed				
	Killed			Incapacitating			Nonincapacitating				Possible			F	M	U	Total
	F	M	Total	F	M	Total	F	M	U	Total	F	M	Total				
Unknown	0	0	0	0	0	0	3	1	1	5	1	2	3	4	3	1	8
Under 10	0	0	0	0	0	0	2	0	0	2	1	0	1	3	0	0	3
10-14	0	0	0	1	1	2	2	4	0	6	0	2	2	3	7	0	10
15	0	0	0	1	2	3	1	2	0	3	0	2	2	2	6	0	8
16	0	0	0	3	5	8	1	3	0	4	1	1	2	5	9	0	14
17	0	0	0	1	5	6	1	12	0	13	2	1	3	4	18	0	22
18	0	1	1	2	10	12	2	23	0	25	1	5	6	5	39	0	44
19	1	1	2	0	16	16	5	27	0	32	4	10	14	10	54	0	64
20	1	1	2	2	20	22	2	47	0	49	3	15	18	8	83	0	91
21	0	1	1	3	12	15	6	35	0	41	3	8	11	12	56	0	68
22	0	1	1	1	19	20	4	26	0	30	1	15	16	6	61	0	67
23	0	1	1	0	13	13	3	28	0	31	2	13	15	5	55	0	60
24	0	2	2	2	18	20	3	20	0	23	0	7	7	5	47	0	52
25-34	4	13	17	21	105	126	36	189	0	225	26	96	122	87	403	0	490
35-44	3	16	19	38	131	169	50	188	0	238	14	85	99	105	420	0	525
45-54	1	9	10	29	82	111	32	119	0	151	11	56	67	73	266	0	339
55-64	0	6	6	4	25	29	10	65	0	75	7	12	19	21	108	0	129
65-74	1	1	2	0	6	6	3	12	0	15	2	5	7	6	24	0	30
75-84	0	1	1	0	0	0	0	4	0	4	0	1	1	0	6	0	6
<b>TOTAL</b>	<b>11</b>	<b>54</b>	<b>65</b>	<b>108</b>	<b>470</b>	<b>578</b>	<b>166</b>	<b>805</b>	<b>1</b>	<b>972</b>	<b>79</b>	<b>336</b>	<b>415</b>	<b>364</b>	<b>1,665</b>	<b>1</b>	<b>2,030</b>

F = Female      M = Male      U=Unknown

"Motorcyclist" includes motorcycle drivers and passengers.

Source: WisDOT/DMV/Accident Database

## 1999 - Motorcycle Crashes By Month and Severity, Total Killed, Total Injured by Urban/Rural Location

Month	Fatal Crashes			Personal Injury Crashes			Property Damage Crashes			Total Crashes			Total Persons Killed			Total Persons Injured		
	Rur	Urb	Tot	Rur	Urb	Tot	Rur	Urb	Tot	Rur	Urb	Tot	Rur	Urb	Tot	Rur	Urb	Tot
	Jan	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0
Feb	0	1	1	1	4	5	0	2	2	1	7	8	0	1	1	1	4	5
Mar	1	2	3	21	30	51	1	1	2	23	33	56	1	2	3	25	36	61
Apr	4	2	6	76	52	128	6	12	18	86	66	152	4	2	6	89	60	149
May	5	3	8	149	109	258	20	17	37	174	129	303	5	3	8	180	133	313
Jun	9	0	9	145	111	256	15	20	35	169	131	300	9	0	9	185	128	313
Jul	8	1	9	178	137	315	21	18	39	207	156	363	9	1	10	217	158	375
Aug	6	2	8	156	121	277	10	20	30	172	143	315	9	2	11	187	142	329
Sep	6	3	9	136	101	237	16	16	32	158	120	278	6	3	9	170	129	299
Oct	4	1	5	65	57	122	16	11	27	85	69	154	4	1	5	80	69	149
Nov	2	1	3	32	31	63	4	4	8	38	36	74	2	1	3	36	31	67
Dec	0	0	0	2	6	8	0	0	0	2	6	8	0	0	0	2	6	8
<b>TOTAL</b>	<b>45</b>	<b>16</b>	<b>61</b>	<b>961</b>	<b>759</b>	<b>1,720</b>	<b>109</b>	<b>122</b>	<b>231</b>	<b>1,115</b>	<b>897</b>	<b>2,012</b>	<b>49</b>	<b>16</b>	<b>65</b>	<b>1,172</b>	<b>896</b>	<b>2,068</b>

**Rural = An unincorporated area or an incorporated area with a population under 5,000.**

**Urban = An incorporated area with a population of 5,000 or more.**

**Note: Total killed and total injured include everyone killed or injured in crashes involving motorcycles, not limited to motorcyclist.**

**Source: WisDOT/DMV/Accident Database**

# 1995-1999 Fatal Motorcycle Crashes/ Motorcyclists Killed by County



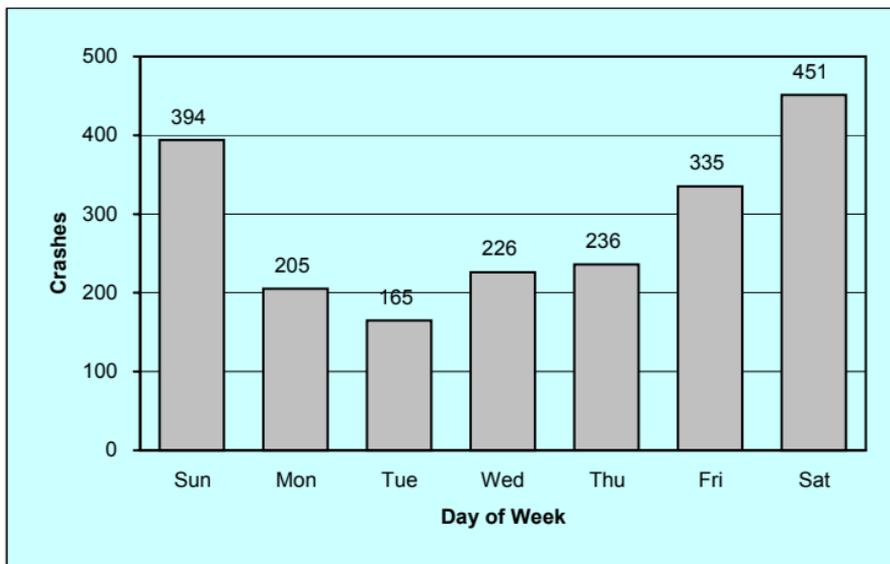
Note: Numbers represent the five-year totals of fatal motorcycle crashes/motorcyclists killed.

## 1999 - Motorcycle Crashes by Time of Day and Day of Week

Time of Day	Day of Week							TOTAL
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
12-1 AM	20	7	4	3	6	6	12	58
1-2 AM	11	1	2	2	10	8	13	47
2-3 AM	24	3	2	5	4	5	16	59
3-4 AM	8	2	0	2	0	1	4	17
4-5 AM	4	1	2	0	3	0	8	18
5-6 AM	2	0	3	3	3	2	1	14
6-7 AM	2	4	5	3	3	5	1	23
7-8 AM	1	5	5	3	7	6	2	29
8-9 AM	4	1	4	1	2	4	6	22
9-10 AM	4	6	1	4	1	5	7	28
10-11 AM	16	4	4	8	5	9	14	60
11 - Noon	23	5	7	9	8	20	25	97
12-1 PM	28	13	11	8	10	18	41	129
1-2 PM	31	13	8	7	12	19	36	126
2-3 PM	30	12	10	17	17	23	33	142
3-4 PM	33	17	12	28	14	28	39	171
4-5 PM	31	16	16	19	26	31	33	172
5-6 PM	30	24	16	21	23	25	26	165
6-7 PM	27	25	11	16	19	36	26	160
7-8 PM	16	12	10	25	16	16	24	119
8-9 PM	17	14	12	11	15	15	25	109
9-10 PM	10	8	13	13	15	16	20	95
10-11 PM	11	9	3	7	11	19	19	79
11 - Midnight	6	2	3	8	5	12	17	53
Unknown	5	1	1	3	1	6	3	20
<b>TOTAL</b>	<b>394</b>	<b>205</b>	<b>165</b>	<b>226</b>	<b>236</b>	<b>335</b>	<b>451</b>	<b>2,012</b>
Percentage	20%	10%	8%	11%	12%	17%	22%	100%

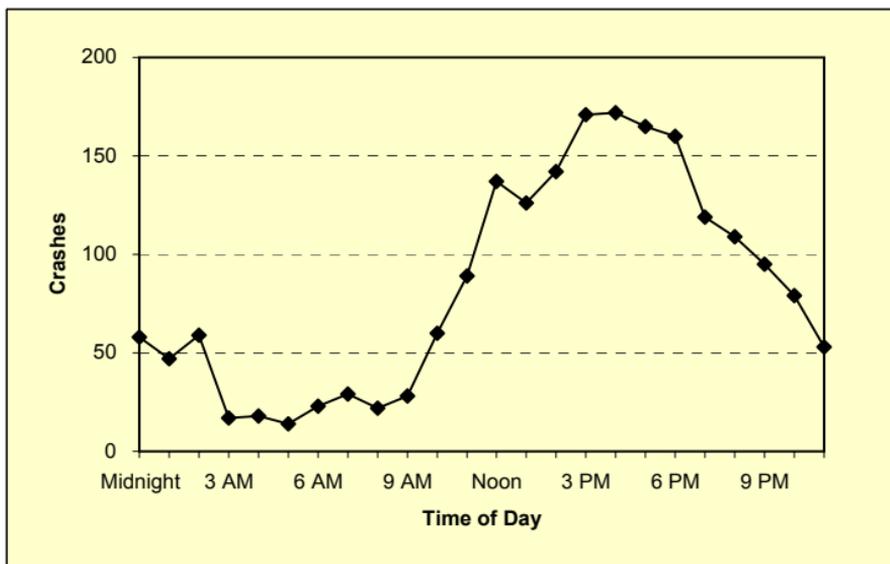
Source: WisDOT/DMV/Accident Database

## 1999 - Motorcycle Crashes by Day of Week



Source: WisDOT/DMV/Accident Database

## 1999 - Motorcycle Crashes by Time of Day



Source: WisDOT/DMV/Accident Database

## 1999 - Motorcycle Drivers in Crashes by Age Group

Age	Cyclists with an Instr. Permit or Endorsement	Percent of Licensed Cyclists	Percent of Cyclists in Age Group Involved In Crashes	Number of Cyclists in Age Group In Crashes	Percent of Total Cyclists in Crashes	Cyclists in Fatal Crashes	Cyclists in Injury Crashes	Cyclists in Property Damage Crashes
14 & under	0	N/A	N/A	6	0.29%	0	5	1
15	0	N/A	N/A	5	0.24%	1	4	0
16	118	0.03%	9.32%	11	0.53%	0	10	1
17	677	0.18%	2.81%	19	0.92%	0	17	2
18	980	0.26%	4.49%	44	2.12%	1	38	5
19	1,412	0.37%	4.53%	64	3.09%	2	55	7
20	2,063	0.54%	4.36%	90	4.34%	2	82	6
21	2,447	0.64%	2.90%	71	3.43%	1	60	10
22	2,791	0.73%	2.40%	67	3.23%	1	60	6
23	3,094	0.81%	2.07%	64	3.09%	1	59	4
24	3,729	0.97%	1.50%	56	2.70%	2	48	6
25-34	68,420	17.81%	0.73%	499	24.08%	14	430	55
35-44	135,354	35.24%	0.39%	524	25.29%	20	455	49
45-54	108,017	28.12%	0.30%	325	15.69%	10	286	29
55-64	39,154	10.19%	0.34%	132	6.37%	6	116	10
65-74	12,645	3.29%	0.24%	30	1.45%	2	27	1
75 & over	3,214	0.84%	0.16%	5	0.24%	1	4	0
Unknown	0	0.00%	N/A	60	2.90%	0	8	52
<b>TOTALS</b>	<b>384,115</b>	<b>100.00%</b>	<b>N/A</b>	<b>2,072</b>	<b>100.00%</b>	<b>64</b>	<b>1,764</b>	<b>244</b>

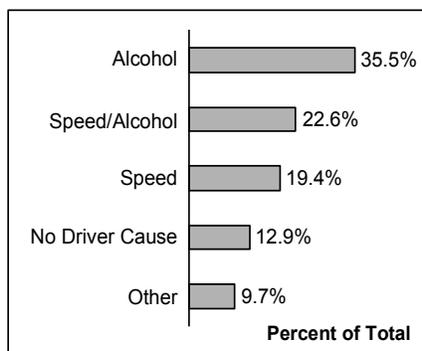
N/A= Not Applicable

Note: This table represents drivers only.

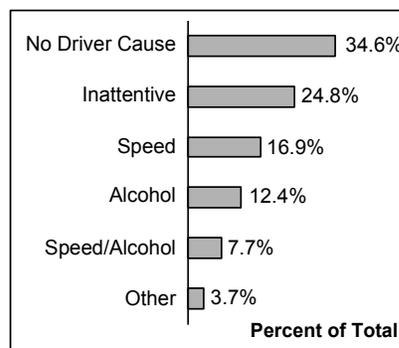
Source: WisDOT/DMV/Accident Database

## 1999 Single Unit Motorcycle Crashes Primary Contributing Factor

### Fatal Crashes



### Total Crashes



Source: WisDOT/DMV/Accident Database

## 1999 - Motorcycle Crashes by Manner of Collision and Highway Class by Urban/Rural

Manner of Collision	Highway Class											TOTAL		
	Local Street/Road			County Highway		State Highway			Interstate System					
	Rural	Urban	Total	Rural	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
No Collision *	253	257	510	273	273	205	79	284	16	25	41	747	361	1,108
Angle	42	197	239	38	38	67	65	132	2	3	5	149	265	414
Rear End	18	92	110	21	21	53	42	95	0	7	7	92	141	233
Side swipe/same dir.	13	46	59	7	7	15	22	37	1	3	4	36	71	107
Head On	6	15	21	6	6	4	4	8	0	0	0	16	19	35
Side swipe opposite	7	15	22	6	6	6	4	10	1	0	1	20	19	39
Rear to Rear	0	2	2	0	0	1	0	1	0	0	0	1	2	3
Unknown	20	12	32	17	17	14	7	21	3	0	3	54	19	73
<b>TOTAL</b>	<b>359</b>	<b>636</b>	<b>995</b>	<b>368</b>	<b>368</b>	<b>365</b>	<b>223</b>	<b>588</b>	<b>23</b>	<b>38</b>	<b>61</b>	<b>1,115</b>	<b>897</b>	<b>2,012</b>

\* No collision with another moving vehicle: i.e, colliding with a fixed object, a stationary vehicle, or without collision.

Rural = An unincorporated area or an incorporated area with a population under 5,000.

Urban = An incorporated area with a population of 5,000 or more.

Source: WisDOT/DMV/Accident Database

## 1999 - Vehicle Possible Contributing Circumstances in Motorcycle Crashes by Severity and Urban/Rural Location

Vehicle PCC's for Motorcycles	Crash Severity									Total Vehicle PCC's		
	Fatal			Injury			Property Damage					
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Tires	1	0	1	18	7	25	2	2	4	21	9	30
Brakes	0	0	0	18	7	25	1	1	2	19	8	27
Other	0	0	0	27	12	38	3	0	3	30	12	42
Head Lamps	0	0	0	5	1	6	0	0	0	5	1	6
Steering	0	0	0	6	3	9	0	0	0	6	3	9
Suspension	0	0	0	1	0	0	0	0	0	1	0	1
Other Disabled	0	0	0	2	0	2	0	0	0	2	0	2
Tail Lamps	0	0	0	2	0	2	0	0	0	2	0	2
<b>TOTAL</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>79</b>	<b>30</b>	<b>107</b>	<b>6</b>	<b>3</b>	<b>9</b>	<b>86</b>	<b>33</b>	<b>119</b>

Rural = An unincorporated area or an incorporated area with a population under 5,000.

Urban = An incorporated area with a population of 5,000 or more.

Note: The numbers in this table represent the number of times a given vehicle PCC was cited as a possible contributing circumstance for a motorcycle in a crash. They do not represent numbers of crashes.

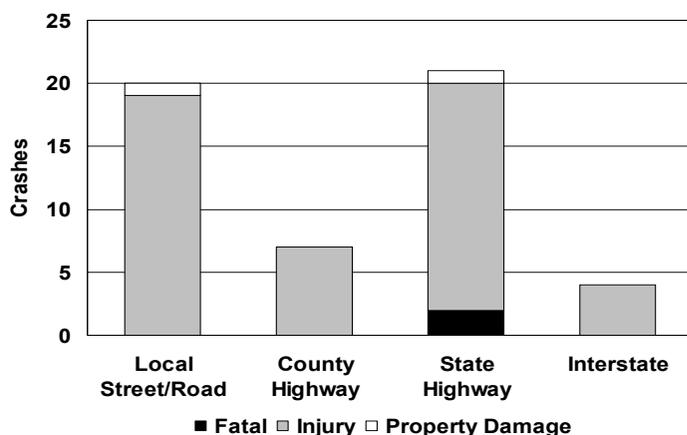
Source: WisDOT/DMV/Accident Database

## 1999-Fixed Objects Struck in Single Unit Motorcycle Crashes

Type of Fixed Object	Fatal			Injury			Property Damage			TOTAL		
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Ditch	5	0	5	122	5	127	6	3	9	133	8	141
Curb	0	2	2	10	50	60	1	2	3	11	54	65
Other Fixed Object	4	2	6	16	21	37	0	4	4	20	27	47
Tree	3	3	6	8	4	12	0	0	0	11	7	18
Embankment	0	0	0	14	0	14	1	0	1	15	0	15
Other Object (Not Fixed)	0	0	0	7	12	19	2	0	2	9	12	21
Mailbox	0	0	0	13	4	17	1	0	1	14	4	18
Guardrail Face	1	0	1	16	1	17	0	0	0	17	1	18
Traffic Sign Post	1	0	1	6	5	11	0	1	1	7	6	13
Other Post	3	1	4	5	1	6	1	0	1	9	2	11
Culvert	1	0	1	6	2	8	2	0	2	9	2	11
Utility Pole	1	0	1	0	6	6	1	0	1	2	6	8
Fence	1	0	1	7	2	9	0	0	0	8	2	10
Median Barrier	0	0	0	0	8	8	1	0	1	1	8	9
Light Support	0	0	0	1	0	1	0	0	0	1	0	1
Traffic Signal	0	0	0	0	2	2	0	0	0	0	2	2
Guardrail End	0	0	0	1	0	1	0	0	0	1	0	1
Bridge Rail	0	0	0	1	0	1	1	0	1	2	0	2
Unknown	0	0	0	14	4	18	0	0	0	14	4	18
<b>TOTAL</b>	<b>20</b>	<b>8</b>	<b>28</b>	<b>247</b>	<b>127</b>	<b>374</b>	<b>17</b>	<b>10</b>	<b>27</b>	<b>284</b>	<b>145</b>	<b>429</b>

Note: This report counts fixed objects struck, not crashes. There may have been more than one fixed object struck in some crashes.  
Source: WisDOT/DMV/Accident Database

## 1999 - Motorcycle Crashes in Construction Zones by Highway Class and Crash Severity



Crash Severity	Local Street/Road	County Highway	State Highway	Interstate
Property Damage	1	0	1	0
Injury	19	7	18	4
Fatal	0	0	2	0

Note: A construction zone is "the area between the first advance warning sign and the point beyond the work area where traffic is no longer affected." ([Wisconsin Traffic Crash Facts](#))

Source: WisDOT/DMV/Accident Database

## 1999- Motorcycle Crashes by Light, Weather, and Road Conditions

### Light Conditions

Light Conditions	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Total Crashes	TOTAL	
					Persons Killed	Persons Injured
Daylight	37	1,194	129	1,360	40	1,445
Dark/Lighted	5	214	50	269	5	264
Dark	15	200	20	235	15	227
Dusk	3	72	8	83	3	89
Dawn	1	16	1	18	2	18
Unknown	0	24	23	47	0	4
<b>TOTAL</b>	<b>61</b>	<b>1,720</b>	<b>231</b>	<b>2,012</b>	<b>65</b>	<b>2,047</b>

### Weather Conditions

Weather Conditions	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Total Crashes	TOTAL	
					Persons Killed	Persons Injured
Clear	46	1,216	152	1,414	49	1,463
Cloudy	12	416	42	470	13	514
Rain	1	41	11	53	1	44
Fog/Smog/ Smoke	0	7	0	7	0	7
Sleet/Hail	0	1	0	1	0	3
Crosswinds	0	8	1	9	0	8
Unknown	2	32	25	59	2	32
<b>TOTAL</b>	<b>61</b>	<b>1,721</b>	<b>231</b>	<b>2,013</b>	<b>65</b>	<b>2,071</b>

### Road Conditions

Road Conditions	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Total Crashes	TOTAL	
					Persons Killed	Persons Injured
Dry	55	1,520	185	1,760	59	1,838
Wet	1	64	13	78	1	70
Sand/Mud/ Dirt/Oil	2	37	0	39	2	43
Other	0	13	1	14	0	15
Ice	0	1	1	2	0	1
Unknown	3	98	32	132	3	116
<b>TOTAL</b>	<b>61</b>	<b>1,733</b>	<b>232</b>	<b>2,025</b>	<b>65</b>	<b>2,083</b>

Source: WisDOT/DMV/Accident Database

### 1999 - Drinking Motorcycle Drivers in Crashes by County and Age

County	Driver's Age							TOTAL HBD Drivers	TOTAL HBD Crashes
	Unknown	16-19	20-24	25-34	35-44	45-54	55-74		
Adams	0	0	1	0	0	0	1	2	2
Ashland	0	0	0	0	0	0	0	0	0
Barron	0	0	1	1	0	0	0	2	2
Bayfield	0	0	0	0	0	0	0	0	0
Brown	0	0	1	4	6	1	1	13	13
Buffalo	0	0	1	0	2	1	0	4	4
Burnett	0	0	0	0	0	1	0	1	1
Calumet	0	1	0	1	0	0	0	2	2
Chippewa	0	0	0	1	2	0	0	3	3
Clark	0	0	0	0	2	0	0	2	2
Columbia	0	0	0	2	5	1	0	8	6
Crawford	0	0	0	0	0	0	0	0	0
Dane	0	1	2	3	4	1	1	12	12
Dodge	0	0	0	3	2	0	0	5	4
Door	0	0	0	0	0	0	0	0	0
Douglas	0	0	0	1	1	0	0	2	2
Dunn	0	0	0	1	0	0	0	1	1
Eau Claire	0	2	0	1	0	0	0	3	3
Florence	0	0	0	0	0	1	0	1	1
Fond du Lac	0	0	0	1	3	1	0	5	5
Forest	0	0	0	0	0	0	0	0	0
Grant	0	0	1	0	0	0	0	1	1
Green	0	0	0	1	2	0	0	3	3
Green Lake	0	0	0	0	1	0	0	1	1
Iowa	0	0	0	0	0	0	0	0	0
Iron	0	0	0	0	0	0	0	0	0
Jackson	0	0	0	0	0	0	0	0	0
Jefferson	0	0	0	0	2	0	0	2	2
Juneau	0	0	0	0	1	0	0	1	1
Kenosha	0	0	0	2	8	2	1	13	13
Kewaunee	0	0	1	0	0	0	0	1	1
La Crosse	0	1	0	2	0	0	0	3	3
Lafayette	0	0	0	0	0	0	0	0	0
Langlade	0	0	0	1	0	1	0	2	2
Lincoln	0	0	0	0	2	0	0	2	2
Manitowoc	0	1	2	3	0	2	0	8	8
Marathon	0	0	2	1	0	1	0	4	4
Marinette	0	1	0	0	0	2	0	3	3
Marquette	0	0	0	1	0	1	0	2	2
Menominee	0	0	0	0	0	0	0	0	0
Milwaukee	0	2	5	6	11	4	1	29	29
Monroe	0	0	0	0	1	1	0	2	2
Oconto	0	0	1	1	1	0	0	3	3
Oneida	0	0	1	0	2	0	0	3	3
Outagamie	0	0	0	4	1	1	0	6	6
Ozaukee	0	1	0	1	0	0	0	2	2
Pepin	0	0	0	0	0	0	0	0	0
Pierce	0	0	0	0	1	0	1	2	2
Polk	0	0	0	2	1	1	0	4	4
Portage	0	0	0	0	0	0	0	0	0
Price	0	0	0	0	0	0	0	0	0
Racine	0	0	4	1	8	3	1	17	16
Richland	0	0	0	0	2	0	0	2	2
Rock	0	0	1	4	6	2	0	13	12
Rusk	0	0	0	0	1	1	0	2	2
St. Croix	0	0	1	2	3	0	1	7	6
Sauk	0	0	2	1	4	0	0	7	7
Sawyer	0	0	0	0	0	1	0	1	1
Shawano	0	0	0	1	1	0	0	2	2
Sheboygan	0	1	1	3	1	2	0	8	8
Taylor	0	0	0	0	0	0	0	0	0
Trempealeau	0	0	0	0	0	0	0	0	0
Vernon	0	0	0	2	1	0	0	3	3
Vilas	0	0	0	1	1	0	0	2	2
Walworth	0	0	0	2	5	3	1	11	9
Washburn	0	0	0	1	0	0	0	1	1
Washington	1	0	0	2	2	2	0	7	7
Waukesha	0	0	2	5	10	1	2	20	20
Waupaca	0	0	1	3	6	0	0	10	10
Waushara	0	0	0	1	0	0	0	1	1
Winnebago	0	0	3	2	1	1	0	7	7
Wood	0	0	2	3	1	0	0	6	6
<b>TOTAL</b>	<b>1</b>	<b>11</b>	<b>36</b>	<b>78</b>	<b>114</b>	<b>39</b>	<b>11</b>	<b>290</b>	<b>282</b>

HBD = Had Been Drinking - The two numbers (290 & 282) are not identical because some crashes may involve more than one motorcycle.  
Source: WisDO 1/DMV/Accident Database

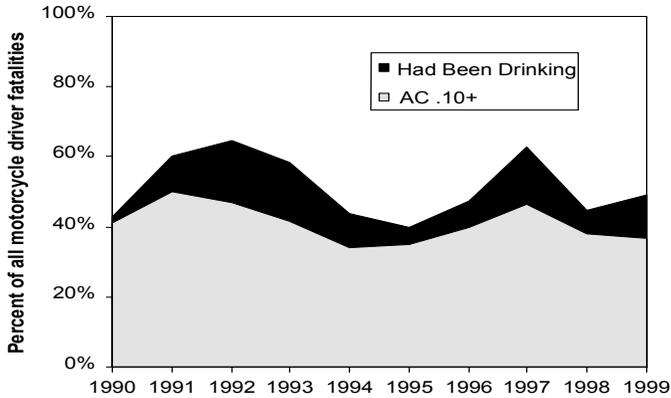
**1999- Alcohol-Related Crashes  
by Time of Day and Day of Week  
Motorcyclists Only  
Total Injured - Total Killed**

Time of Day	Crashes by Day of Week							Total		
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Crashes	Persons Killed	Persons Injured
12-1 AM	10	5	1	1	1	1	7	26	3	23
1-2 AM	3	0	1	1	4	2	6	17	4	12
2-3 AM	11	1	1	5	3	3	10	34	1	41
3-4 AM	5	2	0	1	0	0	1	9	2	9
4-5 AM	1	0	0	0	0	0	1	2	2	3
5-6 AM	0	0	0	0	0	0	0	0	0	0
6-7 AM	0	0	0	0	0	0	0	0	0	0
7-8 AM	0	0	0	0	0	1	0	1	0	1
8-9 AM	0	0	0	0	0	0	0	0	0	0
9-10 AM	0	1	0	0	0	0	0	1	0	2
10-11 AM	0	0	0	0	0	0	0	0	0	0
11-12 Noon	2	0	0	0	0	1	1	4	1	4
12-1 PM	1	1	0	0	0	0	1	3	0	4
1-2 PM	0	0	0	0	1	1	2	4	1	3
2-3 PM	3	0	0	0	0	1	2	6	3	4
3-4 PM	1	0	1	0	0	0	6	8	0	8
4-5 PM	5	0	1	0	0	2	3	11	2	13
5-6 PM	7	1	2	0	1	4	8	23	3	24
6-7 PM	9	2	0	0	4	2	6	23	5	24
7-8 PM	4	0	2	4	3	2	8	23	1	30
8-9 PM	5	2	0	1	3	3	9	23	1	25
9-10 PM	0	0	2	1	2	2	7	14	2	11
10-11 PM	6	4	0	1	3	4	6	24	1	29
11-12 Midnight	2	1	2	2	1	4	9	21	1	23
Unknown	1	1	0	0	0	2	1	5	2	3
<b>TOTAL</b>	<b>76</b>	<b>21</b>	<b>13</b>	<b>17</b>	<b>26</b>	<b>35</b>	<b>94</b>	<b>282</b>	<b>35</b>	<b>296</b>
Percentage	27%	7%	5%	6%	9%	12%	33%	100%		

Note: This table represents crashes where the motorcyclist had been drinking. Time of day refers to a one hour interval.

Source: WisDOT/DMV/Accident Database

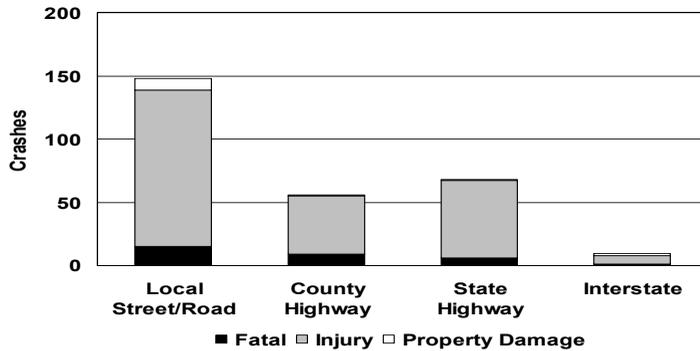
## 1990-1999 Alcohol Concentration (AC) Test Results of Motorcycle Driver Fatalities



Year	Motorcycle Driver Fatalities	Alcohol Concentration		
		Negative or Unknown	.01-.099	.10+
1990	63	36	1	26
1991	70	28	7	35
1992	34	12	6	16
1993	36	15	6	15
1994	50	28	5	17
1995	40	24	2	14
1996	40	21	3	16
1997	54	20	9	25
1998	58	32	4	22
1999	57	29	7	21
<b>Total</b>	<b>502</b>	<b>245</b>	<b>50</b>	<b>207</b>
<b>%</b>	<b>100%</b>	<b>49%</b>	<b>10%</b>	<b>41%</b>

Source: WisDOT/DMV/Accident Database

## 1999 - Alcohol-Related Motorcycle Crashes by Highway Class and Crash Severity



Crash Severity	Local Street/Road	County Highway	State Highway	Interstate
Property Damage	9	1	1	2
Injury	124	46	61	7
Fatal	15	9	6	1

Source: WisDOT/DMV/Accident Database

Note: This chart includes only crashes where the motorcyclist had been drinking.

## 1999 - Safety Equipment Use on Motorcycles by Injury Severity and Seat Position

Injury Severity	Seat Position by Safety Equipment Use									
	Driver					Passenger				
	Helmet Worn	*Eye Prot	None	Unk/ Other	TOTAL	Helmet Worn	*Eye Prot	None	Unk/ Other	TOTAL
Nonincapacitating	261	371	182	31	845	32	52	33	5	122
Incapacitating	123	244	98	30	495	17	28	26	5	76
Possible	94	143	91	23	351	17	17	15	6	55
Not Injured	70	108	48	76	302	5	16	7	3	31
Killed	16	21	20	0	57	1	1	4	2	8
<b>TOTAL</b>	<b>564</b>	<b>887</b>	<b>439</b>	<b>160</b>	<b>2,050</b>	<b>72</b>	<b>114</b>	<b>85</b>	<b>21</b>	<b>292</b>

Injury Severity	Seat Position by Safety Equipment Use									
	Side Car					TOTAL				
	Helmet Worn	*Eye Prot	None	Unk/ Other	TOTAL	Helmet Worn	*Eye Prot	None	Unk/ Other	TOTAL
Nonincapacitating	1	0	0	1	2	294	423	215	37	969
Incapacitating	0	1	1	0	2	140	273	125	35	573
Possible	1	0	1	0	2	112	160	107	29	408
Not Injured	1	0	1	0	2	76	124	56	79	335
Killed	0	0	0	0	0	17	22	24	2	65
<b>TOTAL</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>8</b>	<b>639</b>	<b>1,002</b>	<b>527</b>	<b>182</b>	<b>2,350</b>

Prot = Protection

Unk = Unknown

\*Eye protection is required by law. Those riders designated as wearing eye protection were NOT wearing helmets.

Wisconsin law waives eye protection if the windshield is of sufficient height; those riders may be designated as NONE.

\*\* This report counts only those motorcyclists for whom seat location was recorded on the accident report form.

Source: WisDOT/DMV/Accident Database

## 1999 - Motorcyclists Injured by Age and Role by Safety Equipment Use

Age	Driver					Passenger				
	Helmet Worn	*Eye Protection	None	Unknown/Other	Total	Helmet Worn	*Eye Protection	None	Unknown/Other	Total
5-9	0	0	0	0	0	2	0	1	0	3
10-14	3	0	0	0	3	7	0	0	0	7
15	1	1	2	0	4	2	2	0	0	4
16	5	1	2	2	10	1	0	1	1	3
17	13	1	3	0	17	2	2	1	0	5
18	18	12	6	2	38	4	0	1	0	5
19	26	12	16	1	55	3	0	3	1	7
20	21	27	28	3	79	0	3	6	0	9
21	11	32	13	2	58	0	5	2	1	8
22	22	21	14	2	59	1	2	4	0	7
23	23	24	6	3	56	1	2	0	0	3
24	13	17	11	5	46	0	1	2	1	4
25-34	99	209	85	18	411	9	22	21	5	57
35-44	85	221	102	24	432	11	36	20	3	70
45-54	76	129	60	14	279	11	18	10	4	43
55-64	49	47	14	3	113	7	2	0	0	9
65-74	11	4	7	4	26	2	0	0	0	2
75-84	2	0	2	0	4	1	0	0	0	1
Unknown	0	0	0	1	1	1	2	3	0	6
<b>TOTAL</b>	<b>478</b>	<b>758</b>	<b>371</b>	<b>84</b>	<b>1,691</b>	<b>65</b>	<b>97</b>	<b>75</b>	<b>16</b>	<b>253</b>

Age	Side Car					TOTAL				
	Helmet Worn	*Eye Protection	None	Unknown/Other	Total	Helmet Worn	*Eye Protection	None	Unknown/Other	Total
5-9	0	0	0	0	0	3	0	0	0	3
10-14	0	0	0	0	0	10	0	0	0	10
15	0	0	0	0	0	3	3	2	0	8
16	0	0	0	0	0	6	1	3	3	13
17	0	0	0	0	0	15	3	4	0	22
18	0	0	0	0	0	22	12	7	2	43
19	0	0	0	0	0	29	12	19	2	62
20	1	0	0	0	1	22	30	34	3	89
21	0	0	1	0	1	11	37	16	3	67
22	0	0	0	0	0	23	23	18	2	66
23	0	0	0	0	0	24	26	6	3	59
24	0	0	0	0	0	13	18	13	6	50
25-34	0	1	0	0	1	108	232	106	23	469
35-44	1	0	0	0	1	97	257	122	27	503
45-54	0	0	1	1	2	87	147	71	19	324
55-64	0	0	0	0	0	56	49	14	3	122
65-74	0	0	0	0	0	13	4	7	4	28
75-84	0	0	0	0	0	3	0	2	0	5
Unknown	0	0	0	0	0	1	2	3	1	7
<b>TOTAL</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>6</b>	<b>546</b>	<b>856</b>	<b>447</b>	<b>101</b>	<b>1,950</b>

Note: This report counts only those motorcyclists for whom seat location was known.

\*Eye protection is required by law. Those riders designated as such were NOT wearing helmets. Wisconsin law waives eye protection if the windshield is of sufficient height; those riders may be designated as NONE.

Source: WisDOT/DMV/Accident Database

**1999 - Motorcyclists Killed  
by Age and Role by Safety Equipment Use and Sex**

Age	Driver					Passenger					Total								
	Helmet Worn		*Eye Protection		None	Helmet Worn	Eye Protection	None	Unk/Other		Helmet Worn		Eye Protection		None		Unk/Other		
	M	F	M	F	M	F	F	F	M	F	M	F	M	F	M	F	M	F	
0-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
19	0	0	0	0	1	1	0	0	0	0	0	1	0	0	1	0	0	0	
20	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	
21	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
22	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
23	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
24	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	
25-34	2	0	5	0	5	0	1	2	1	1	2	0	5	1	5	2	1	1	
35-44	2	0	9	1	5	0	0	2	0	0	2	0	9	1	5	2	0	0	
45-54	4	1	2	0	3	0	0	0	0	0	4	1	2	0	3	0	0	0	
55-64	2	0	2	0	2	0	0	0	0	0	2	0	2	0	2	0	0	0	
65-74	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	
75-84	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
<b>TOTAL</b>	<b>14</b>	<b>2</b>	<b>19</b>	<b>2</b>	<b>20</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>14</b>	<b>3</b>	<b>19</b>	<b>3</b>	<b>20</b>	<b>4</b>	<b>1</b>	<b>1</b>	

M = Male F = Female

\*Eye protection is required by law. Those riders designated as such were NOT wearing helmets. Wisconsin law waives eye protection if the windshield is of sufficient height; those riders may be designated as NONE.

Source: WisDOT/DMV/Accident Database

**1999- Driver Possible Contributing Circumstances by  
Crash Severity and Urban/Rural Location  
for Motorcyclists**

Driver PCC's	Crash Severity									Total Driver PCC's		
	Fatal			Injury			Property Damage					
	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
Failure to Control	18	7	25	309	162	471	13	21	34	340	190	530
Too Fast for Conditions	8	1	9	133	45	178	15	6	21	156	52	208
Driver Condition	11	2	13	107	67	174	5	7	12	123	76	199
Inattentive Driving	5	1	6	73	54	127	14	11	25	92	66	158
Exceeding Speed Limit	9	5	14	56	67	123	5	6	11	70	78	148
Following Too Close	0	0	0	26	33	59	9	3	12	35	36	71
Fail to Yield Right of Way	2	1	3	16	22	38	2	4	6	20	27	47
Improper Overtake	2	0	2	18	19	37	0	5	5	20	24	44
Left of Center	5	0	5	16	4	20	1	1	2	22	5	27
Disregard Traffic Control	1	0	1	7	10	17	0	0	0	8	10	18
Improper Turn	0	0	0	9	14	23	1	3	4	10	17	27
Other	4	0	4	33	25	58	3	4	7	40	29	69
<b>TOTAL</b>	<b>65</b>	<b>17</b>	<b>82</b>	<b>803</b>	<b>522</b>	<b>1,325</b>	<b>68</b>	<b>71</b>	<b>139</b>	<b>936</b>	<b>610</b>	<b>1,546</b>

Note: The numbers in this table represent the number of times a given driver PCC was cited as a possible contributing circumstance for a driver in a crash. These numbers do not represent numbers of crashes.

### 1999 Fatally Injured Motorcyclists

DAY OF WEEK	DATE	DRIVER OR PASSENGER	AGE & SEX	SAFETY EQUIPMENT	CAUSE OF DEATH	ALCOHOL*	NARRATIVE	TIME OF DAY	TYPE OF CYCLE	TYPE OF ROAD*	PCC*	ENDORSEMENT STATUS
SAT	2/6	DRIVER	55 Male	Helmet and Eye Protection	Multiple traumatic injuries	0.17	Cyclist followed auto too closely on interstate, rear ended auto, driver was ejected	1:37 PM	90 Yamaha	IH	NONE	VALID
FRI	3/26	DRIVER	18 Male	Helmet and Eye Protection	Internal chest trauma	NEG	Cyclist, traveling 40-45 mph in 25 mph zone, lost control, ran off roadway and collided with a tree	12:07 PM	98 Suzuki	CITY STREET	2,11	VALID
MON	3/29	PASSENGER	32 Female	None	Massive head trauma	NEG	Semi-truck driving parallel to cycle with passenger improperly turned right, Cyclist ran off road, passenger and driver ejected	6:19 PM	99 Honda	CITY STREET	12	NOT VALID
WED	3/29	DRIVER	24 Male	None	Multiple internal injuries	0.25	Intoxicated cyclist attempted to turn at curve, lost control, hit grass off road, spun 90 degrees and collided with tree	3:44 AM	84 Honda	HWY	12	VALID
FRI	4/2	DRIVER	25 Male	None	Closed head injury	NEG	Cyclist failed to negotiate turn, drove off road into ditch, struck tree stump, driver ejected	11:57 AM	95 Honda	HWY	1,11	VALID
SUN	4/4	DRIVER	26 Male	Helmet and Eye Protection	Multiple traumatic injuries	NEG	Cyclist lost control of cycle on city street, ejected from bike, slid and collided with a legally parked car.	10:05 PM	99 Kawasaki	CITY STREET	1,11	VALID
FRI	4/23	DRIVER	19 Male	None	Exsanguination from femoral artery	NEG	Cyclist failed to negotiate turn, slid sideways, struck oncoming pick-up truck head on	8:22 PM	96 Yamaha	HWY	1,11	NOT VALID
SAT	4/24	DRIVER	39 Male	None	Craniocerebral injuries	0.09	Cyclist lost control, drove into left shoulder off road, struck tree and traffic sign, driver ejected.	4:20 PM	94 Harley Davidson	HWY	11,12	NOT VALID
MON	4/26	DRIVER	69 Male	None	Skull Fractures/Internal injuries	NEG	Cyclist was crossing intersection, On-coming truck failed to yield, struck cyclist	4:45 PM	86 Honda	CITY STREET	3,4	VALID
WED	4/28	DRIVER	49 Male	Helmet and Eye Protection	Massive lower body trauma	TNG	Cyclist struck by vehicle in intersection	12:13 PM	94 Harley Davidson	HWY	1	VALID
SAT	5/1	DRIVER	23 Male	Helmet	Massive Internal injuries	0.096	Cyclist failed negotiate turn, skidded off road, hit rocks, driver ejected into woods	1:45 AM	99 Honda	CITY STREET	2,11	VALID
SAT	5/1	DRIVER	59 Male	Eye Protection	Hypovolemic shock transection of thoracic aorta	NEG	Cyclist was struck by pick-up truck at intersection.	1:00 PM	96 Harley Davidson	CITY STREET	3	VALID
MON	5/10	DRIVER	26 Male	Eye Protection	Traumatic head injuries	NEG	Driver rapidly accelerated, struck curve, collided with a building head first.	7:00 PM	94 Suzuki	CITY STREET	11	VALID
WED	5/12	DRIVER	47 Male	Helmet	Massive Head Trauma	NEG	Cyclist traveling on interstate, struck deer	3:30 PM	99 Harley	IH	None	VALID

\*See legend on page 25.

### 1999 Fatally Injured Motorcyclists

DAY OF WEEK	DATE	DRIVER OR PASSENGER	AGE & SEX	SAFETY EQUIPMENT	CAUSE OF DEATH	ALCOHOL*	NARRATIVE	TIME OF DAY	TYPE OF CYCLE	TYPE OF ROAD*	PCC*	ENDORSEMENT STATUS
							at 70 mph, driver ejected onto roadway		Davidson			
FRI	5/12	DRIVER	20 Male	None	Multiple injuries	0.187	Cyclist failed to recognize turn, drove into ditch, struck a utility pole, driver ejected	2:51 PM	95 Kawasaki	HWY	11	NOT VALID
MON	5/15	DRIVER	39 Male	Eye Protection	Multiple blunt force trauma	0.174	Cyclist was travelling straight through an intersection, cyclist was cut off by a car and struck the passenger side of the vehicle.	7:20 PM	93 Suzuki	CITY STREET	3,12	NOT VALID
SAT	5/29	DRIVER	30 Male	Eye Protection	Atlantoaxial dislocation Compression and lacerated cervical cord	0.186	Cyclist approached T-intersection, attempted to turn and brake, skidded 130 ft., struck guide wire and tree.	2:35 AM	95 Harley Davidson	CITY STREET	2,12	VALID
FRI	6/4	DRIVER	46 Male	Eye Protection	Major Head Trauma	TNG	Cyclist traveling on Interstate, struck deer driver ejected into ditch	5:15 AM	95 Harley Davidson	IH	N/A	VALID
SUN	6/6	DRIVER	40 Male	Eye Protection	Head injuries, multiple fractures	0.249	Cyclist failed to recognize stop sign and struck oncoming vehicle in intersection, vehicle and cyclist lost control, both drove into median, cyclist ejected onto shoulder.	11:00 AM	97 Harley Davidson	HWY	3,12	VALID
SUN	6/6	DRIVER	21 Male	Helmet and Eye Protection	Neck and Head trauma	TNG	Cyclist traveling northbound on highway attempted to switch lanes at the top of knoll, collided head on with southbound vehicle, cyclist ejected through windshield	9:10 PM	96 Honda	HWY	7	VALID
SAT	6/12	PASSENGER	19 Female	Helmet and Eye Protection	Severe Closed Head Injury with Skull fracture	NEG	Vehicle traveling west turned left into gas station, collided with eastbound cycle.	6:34 PM	80 Honda	HWY	N/A	VALID
THU	6/17	DRIVER	27 Male	NONE	Severe Closed Head Injury	NEG	Cyclist rubbed median with tire, cycle flipped driver ejected flew 366 ft from cycle.	7:00PM	84 Honda			VALID
TUE	6/22	DRIVER	20 Female	Eye Protection	Severe Head trauma	NEG	Cyclist traveling north on highway failed to negotiate turn, crossed center line, collided with oncoming truck, driver ejected into ditch	4:22 PM	96 Kawasaki	USH	3,7,11	VALID
THU	6/24	DRIVER	63 Male	Helmet and Eye Protection	Massive Hemorrhage due to chest, pelvic and abdominal injuries	NEG	Cyclist exited Interstate, failed to stop at sign struck guardrail, driver was pinned between guardrail and bike	10:00 PM	83 BMW	IH	4	VALID
THU	6/24	DRIVER	42 Male	Eye Protection	Unknown	NEG	Operator fail to negotiate turn, drove in ditch, cycle flipped, driver ejected.	4:30 PM	86 Moto Guzzi	HWY	1,7,11	VALID

\*See legend on page 25.

### 1999 Fatally Injured Motorcyclists

DAY OF WEEK	DATE	DRIVER OR PASSENGER	AGE & SEX	SAFETY EQUIPMENT	CAUSE OF DEATH	ALCOHOL*	NARRATIVE	TIME OF DAY	TYPE OF CYCLE	TYPE OF ROAD*	PCC*	ENDORSEMENT STATUS
SUN	6/27	DRIVER	34 Male	None	Head trauma	0.213	Operator failed to negotiate turn, left road, struck sign and traveled through chain line driver ejected	12:00 AM	99 Harley Davidson	CITY STREET	4,11	VALID
SAT	7/3	DRIVER	43 Male	Eye Protection	Massive Head Cheat Trauma	0.164	Operator passed vehicle on left side of road failed to negotiate coming turn, drove in steep embankment, driver ejected into a creek.	12:30 AM	79 Honda	CITY STREET	12	VALID
SAT	7/3	DRIVER	27 Male	Eye Protection	Massive Head injuries and body trauma	0.226	Operator traveling west on hwy. Eastbound motorcycle crossed centerline and struck westbound cycle. Driver and passenger ejected.	4:29 AM	94 Honda	HWY	1,7,11	NOT VALID
SAT	7/3	PASSENGER	26 Female	None	Massive chest and internal injuries	0.091	"see statement above"	4:29 AM	94 Honda	HWY	1,11,12	NOT VALID
SUN	7/11	DRIVER	63 Male	None	Basilar Skull fracture	NEG	Operator traveling behind an ATV, ATV made right turn, cyclist struck the rear of vehicle, bike tipped over.	1:20 PM	97 Harley Davidson	CITY STREET	4,9	VALID
TUE	7/13	DRIVER	50 Male	None	Massive Head trauma	TNG	Cyclist failed to negotiate turn, left hwy, bike overturned, ejected driver	9:47 PM	87 Honda	HWY	11	VALID
WED	7/14	PASSENGER	43 Female	None	Massive Head injuries	NEG	Driver failed to negotiate downhill turn, drove into shoulder, came back on road, flipped, ejected passenger and driver	12:50 PM	98 Honda	HWY	N/A	NOT VALID
FRI	7/16	DRIVER	35 Male	Helmet	Multiple traumatic injuries	0.301	Vehicle was making left turn northbound, inattentive cyclist traveling southbound struck vehicle, cyclist ejected to pavement	1:49 AM	99 Buell	HWY	1	VALID
WED	7/21	DRIVER	22 Male	Eye Protection	Traumatic injuries	NEG	Cyclist swerved to avoid vehicle on street, lost control, hit curb and collided with tree	8:04 PM	78 Honda	CITY STREET	1,3	NOT VALID
SAT	7/24	PASSENGER	31 Female	Eye Protection	Massive Head trauma	TNG	Cyclist attempted to pass vehicle, lost control, slid sideways	11:39 PM	92 Suzuki	HWY	1,11,12	VALID
SUN	7/25	DRIVER	32 Male	Eye Protection	Traumatic internal injury	TNG	Operator failed to negotiate turn on hwy, drove off-road, ejected and hit vent pipe	4:56 PM	83 Yamaha	HWY	11	VALID
MON	8/2	DRIVER	39 Male	Eye Protection	Massive head and pelvic trauma	Cocaine	Cyclist traveling northbound, vehicle traveling southbound attempted to turn left	1:09 PM	84 Honda	CITY STREET	14	VALID

\*See legend on page 25

### 1999 Fatally Injured Motorcyclists

DAY OF WEEK	DATE	DRIVER OR PASSENGER	AGE & SEX	SAFETY EQUIPMENT	CAUSE OF DEATH	ALCOHOL*	NARRATIVE	TIME OF DAY	TYPE OF CYCLE	TYPE OF ROAD*	PCC*	ENDORSEMENT STATUS
							in intersection, turned in path of oncoming cyclist, driver and passenger ejected					
SAT	8/14	DRIVER	49 Male	None	Multiple internal injuries	0.118	Motorcycle waiting to turn was hit broadside by another motorcycle	6:36 PM	85 Yamaha	CITY ROAD	12	VALID
SAT	8/14	PASSENGER	30 Female	None	Exsanguination chest trauma	0.01						
SAT	8/14	DRIVER	50 Male	None	Massive craniocerebral trauma	0.168	Cyclist attempted to pass illegally in no passing zone, struck 2nd cyclist at 65 mph, slid off road into grass shoulder along a fence. Both cyclist and passenger ejected	6:36 PM	93 Yamaha	CITY ROAD	1,4,7,9,12	VALID
		PASSENGER	44 Female	None	Closed head trauma	0.018						
SUN	8/15	DRIVER	33 Male	Eye Protection	Massive internal bleeding	TNG	Cyclist crossing intersection, oncoming vehicle failed to obey stop sign, struck cycle, ejected operator	2:29 PM	78 Harley Davidson	CITY STREET	N/A	VALID
FRI	8/20	DRIVER	70 Female	Helmet	Massive Head injury	NEG	Operator traveling westbound on street, vehicle stopped at intersection failed to see oncoming biker, struck driver in intersection	11:13 AM	97 Harley Davidson	CITY STREET	N/A	VALID
FRI	8/20	DRIVER	47 Female	Helmet and Eye Protection	Massive Head trauma	NEG	Operator was turning left onto USH, lost control of bike, ran into oncoming trailer driver ejected onto trailer	1:05 PM	99 Harley Davidson	USH	11	VALID
FRI	8/27	DRIVER	41 Male	Eye Protection	Multiple traumatic injuries	TNG	Vehicle pulled into path of cyclist at intersection, cyclist collided with front wheel of vehicle, driver ejected and came to rest on pavement.	5:05 PM	97 Kawasaki	CITY STREET	N/A	VALID
TUE	8/31	DRIVER	42 Male	Helmet and Eye Protection	Hemothorax and Pneumothorax	NEG	School bus had just picked up children, pulled out of driveway heading eastbound, cyclist traveling at high rate of speed skidded out of control, slid and hit bus head on	7:22 AM	99 Honda	CITY ROAD	1,2	VALID
TUE	8/31	DRIVER	38 Male	Helmet and Eye Protection	Craniocerbral injuries	TNG	Vehicle attempted to make left turn going eastbound on road, collided with westbound cyclist, cyclist then slid into a 2nd vehicle	6:46 PM	74 BMW	CITY ROAD	N/A	VALID
SAT	9/4	DRIVER	54 Male	Helmet and Eye Protection	Multiple traumatic injuries	NEG	Vehicle made left turn into drive directly into path of cyclist, cyclist ejected	1:12 PM	86 Suzuki	HWY	N/A	VALID
SUN	9/12	DRIVER	36 Male	None	Extensive head and chest trauma	0.233	Cyclist lost control, ran off road, struck direction signal, ejected and struck tree	12:35 AM	78 Harley Davidson	CITY ROAD	4,8	VALID
FRI	9/17	DRIVER	27 Male	Helmet	Massive blunt force trauma to abdomen & chest	0.136	Cyclist approached T intersection, lost control, struck sign post, driver ejected	10:45 PM	97 Suzuki	HWY	1,12	VALID

\*See legend on page 25.

### 1999 Fatally Injured Motorcyclists

DAY OF WEEK	DATE	DRIVER OR PASSENGER	AGE & SEX	SAFETY EQUIPMENT	CAUSE OF DEATH	ALCOHOL*	NARRATIVE	TIME OF DAY	TYPE OF CYCLE	TYPE OF ROAD*	PCC*	ENDORSEMENT STATUS
SAT	9/18	DRIVER	50 Male	Eye Protection	Multiple injuries	0.036	Cyclist left road, hit curb and struck parked car in driveway	2:54 PM	98 Honda	CITY STREET	11	VALID
SAT	9/18	DRIVER	28 Male	None	Skull fracture	NEG	Cyclist on roadway when wind blew bike off road into a ditch, cyclist struck stop sign and utility pole	2:58 PM	96 Harley Davidson	STH	11,12,14	VALID
SAT	9/18	PASSENGER	32 Male	Unknown	Traumatic injuries	0.234	Vehicle pulled out from stop sign, turned left in path of cyclist, driver and passenger ejected	10:01PM	88 Harley Davidson	CITY STREET	N/A	VALID
SUN	9/19	DRIVER	24 Male	None	Skull fractures and chest trauma	0.133	Cyclist lost control, entered ditch, driver was ejected into parked car	12:04 AM	80 Kawasaki	CITY STREET	2,11	NOT VALID
SUN	9/19	DRIVER	38 Male	Eye Protection	Head and chest injury	0.2	Cyclist traveling on wrong side of road, lost control, hit curb at intersection, driver ejected, flew 74 ft from curb.	1:04 AM	79 Harley Davidson	HWY	11	VALID
SUN	9/19	DRIVER	34 Male	None	Traumatic head and neck injuries	NEG	Cyclist left roadway into shoulder, bike and driver were vaulted into a ditch, driver not found until 7 days later	1:31 AM	88 Harley Davidson	STH	12	NOT VALID
TUE	10/5	DRIVER	75 Male	Helmet and Eye protection	Multiple internal injuries	NEG	Cyclist traveling in road, struck a deer, flew off road into ditch, ejected from bike	10:45 AM	94 Honda	HWY	N/A	VALID
SAT	10/9	DRIVER	38 Male	Eye Protection	Massive internal and head injuries	0.099	Cyclist failed to negotiate turn on roadway, lost control, went into ditch, driver ejected	5:53 PM	80 Yamaha	HWY	2,11,	VALID
SUN	10/10	DRIVER	39 Male	None	Unknown	NEG	Cyclist traveling westbound, was cut off by turning vehicle, driver ejected into vehicle, bike came to rest at impact.	5:20 PM	99 Harley Davidson	CITY ROAD	12	VALID
SUN	10/24	DRIVER	63 Male	Eye Protection	Head and chest trauma	0.065	Cyclist crossed centerline at high rate of speed, cyclist then struck sign post of a local restaurant	3:45 AM	99 Buell	HWY	12	NOT VALID
TUE	11/9	DRIVER	43 Male	None	Multiple injuries	0.143	Cyclist left road and struck tree	8:13 PM	79 Harley Davidson	CITY ROAD	N/A	VALID
SAT	11/6	DRIVER	48 Male	Helmet and Eye protection	Closed chest trauma	0.115	Cyclist failed to yield the right of way, entered road, was struck by oncoming vehicle, operator ejected	2:40 PM	97 Honda	STH	3	VALID
MON	11/26	DRIVER	38 Male	Eye Protection	Internal injuries	NEG	Vehicle pulled out in front of cyclist. Cycle collided with vehicle	5:40 PM	86 ASPT	STH	N/A	VALID

\*See legend on page 25.

## Legend

<b>Alcohol</b>	NEG = Negative TNG = Test Not Given	PCC (Possible Contributing Circumstances)	V2 = Tires V5 = Head Lamps
<b>Narrative</b>	THC = Marijuana Metabolites present AC = Alcohol Concentration HWY = County Highway STH = State Highway USH = US Highway IH = Interstate Highway	1 = Exceeding speed limit 2 = Speed fast/condition 3 = Fail to yield right of way 4 = Inattentive driving 5 = Following too closely 7 = Left of center 8 = Disregarded traffic control 9 = Improper overtaking 11 = Failure to have control 12 = Driver condition 14 = Other	V12 = Other H11 = Construction Zone H12 = Visibility Obscured H13 = Other

Note: Cause of death column information was taken from coroner's reports when submitted.

Source: WisDOT/DMV/Traffic Accident Section

## MOTORCYCLE RIDER COURSE

For many people, motorcycling is a fun and energy-efficient means of transportation or recreation. However, motorcycling requires skill, concentration, and reasonable precautions. Although it is possible to learn to ride a cycle on your own, trial and error is a tough teacher of motorcycling skills. That's why virtually all motorcycling groups have endorsed the Motorcycle Safety Foundation's Motorcycle Rider Course: Riding and Street Skills (MRC: RSS) for beginning riders and the Experienced Rider Course (ERC) for advanced riding skills.

The MRC: RSS is designed for beginning riders. It was developed by the Motorcycle Safety Foundation and approved by the Wisconsin Department of Transportation. It consists of 9 hours of classroom and 11 hours of on-cycle instruction including the following: preparing to ride; turning, shifting, and braking; street strategies; special situations; increasing riding skills; maintenance and insurance.

Instructors for the course are all certified by the Motorcycle Safety Foundation and approved by the Wisconsin Department of Transportation. All are motorcycle riders and have completed 60-plus hours of instructor training.

(Taken from *Motorcycle Rider Course* pamphlet. For more information call 1-800-DOT-WMSP.)

## SOURCES FOR MORE INFORMATION

Wisconsin Motorcycle Safety Program  
Bureau of Transportation Safety  
Wisconsin Department of Transportation  
4802 Sheboygan Avenue, Room 933  
Madison, Wisconsin 53707-7910  
(608) 266-7885  
Email: [ron.thompson@dot.state.wi.us](mailto:ron.thompson@dot.state.wi.us)  
Web site: [www.dot.state.wi.us/dmv/motorcyc.html](http://www.dot.state.wi.us/dmv/motorcyc.html)

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Irvine, California 92618-3806  
(949) 727-3227  
Email: [safe\\_cycling@msf-usa.org](mailto:safe_cycling@msf-usa.org)  
Web site: [www.msf-usa.org](http://www.msf-usa.org)

American Motorcyclist Association  
13515 Yarmouth Dr  
Pickerington, Ohio 43147  
(614) 856-1900  
Web site: [www.ama-cycle.org](http://www.ama-cycle.org)

National Association of State Motorcycle  
Safety Administrators  
8251 Main Street NE 102  
Fridley, MN 55432  
(612) 785-9242  
Web site: [www.smsa.org](http://www.smsa.org)

National Highway Traffic Safety  
Administration  
400 Seventh Street SW  
Washington, DC 20590  
(202)366-1770  
Email: [jsyner@nhtsa.dot.gov](mailto:jsyner@nhtsa.dot.gov)  
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