



Motorcycle Helmet Traffic Crash Statistics

This report compares the date range of January 1 to December 31 for the years 2012 - 2016

Preliminary Michigan Traffic Crash Data Provided on: February 06, 2017



2016

Total Motorcycle Crashes 3,227
Total Motorcyclists Involved 3,658

Total motorcyclists involved with helmet 2,238
 Motorcyclists involved with helmet as % of total motorcyclists involved 61.18%

Total motorcyclists involved without helmet 1,060
 Motorcyclists involved without helmet as % of total motorcyclists involved 28.98%

	<u>Fatalities</u>	<u>% of Fatalities</u>	<u>% of Motorcyclists*</u>
Fatalities	138		3.77%
Helmet Worn	62	44.93%	2.77%
Helmet Not Worn	69	50.00%	6.51%
Helmet Use Unknown	7	5.07%	3.38%
Other	0	0.00%	0.00%

	<u>Suspected Serious Injury</u>	<u>% of A Injuries</u>	<u>% of Motorcyclists*</u>
Suspected Serious Injury	647		17.69%
Helmet Worn	359	55.49%	16.04%
Helmet Not Worn	259	40.03%	24.43%
Helmet Use Unknown	21	3.25%	10.14%
Other	8	1.24%	6.35%

	<u>Suspected Minor Injury</u>	<u>% of B Injuries</u>	<u>% of Motorcyclists*</u>
Suspected Minor Injury	1,163		31.79%
Helmet Worn	763	65.61%	34.09%
Helmet Not Worn	341	29.32%	32.17%
Helmet Use Unknown	46	3.96%	22.22%
Other	13	1.12%	10.32%

	<u>Possible Injury</u>	<u>% of C Injuries</u>	<u>% of Motorcyclists*</u>
Possible Injury	766		20.94%
Helmet Worn	532	69.45%	23.77%
Helmet Not Worn	179	23.37%	16.89%
Helmet Use Unknown	50	6.53%	24.15%
Other	5	0.65%	3.97%

	<u>No Injury</u>	<u>% of O Injuries</u>	<u>% of Motorcyclists*</u>
No Injury	830		22.69%
Helmet Worn	519	62.53%	23.19%
Helmet Not Worn	210	25.30%	19.81%
Helmet Use Unknown	82	9.88%	39.61%
Other	19	2.29%	15.08%

	<u>Injury Not Reported</u>	<u>% of Not Reported</u>	<u>% of Motorcyclists*</u>
Not Reported	114		3.12%
Helmet Worn	3	2.63%	0.13%
Helmet Not Worn	2	1.75%	0.28%
Helmet Use Unknown	1	0.88%	0.48%
Other	108	94.74%	85.71%

Note - Motorcyclists include the driver and any passengers on the motorcycle unit.

*This is the percentage of the motorcyclists identified. For example, for fatalities, the 62 riders wearing helmets represent 2.77% of all motorcyclists (2,238) reported as wearing helmets at the time of the crash.



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2015

Total Motorcycle Crashes 3,018
Total Motorcyclists Involved 3,375

Total motorcyclists involved with helmet 2,198
 Motorcyclists involved with helmet as % of total motorcyclists involved 65.13%

Total motorcyclists involved without helmet 871
 Motorcyclists involved without helmet as % of total motorcyclists involved 25.81%

	<u>Fatalities</u>	<u>% of Fatalities</u>	<u>% of Motorcyclists*</u>
Fatalities	138		4.09%
Helmet Worn	74	53.62%	3.37%
Helmet Not Worn	56	40.58%	6.43%
Helmet Use Unknown	8	5.80%	4.19%
Other	0	0.00%	0.00%

	<u>Suspected Serious Injury</u>	<u>% of A Injuries</u>	<u>% of Motorcyclists*</u>
Suspected Serious Injury	517		15.32%
Helmet Worn	310	59.96%	14.10%
Helmet Not Worn	178	34.43%	20.44%
Helmet Use Unknown	22	4.26%	11.52%
Other	7	1.35%	3.72%

	<u>Suspected Minor Injury</u>	<u>% of B Injuries</u>	<u>% of Motorcyclists*</u>
Suspected Minor Injury	1,045		30.96%
Helmet Worn	705	67.46%	32.07%
Helmet Not Worn	288	27.56%	33.07%
Helmet Use Unknown	42	4.02%	21.99%
Other	10	0.96%	5.32%

	<u>Possible Injury</u>	<u>% of C Injuries</u>	<u>% of Motorcyclists*</u>
Possible Injury	786		23.29%
Helmet Worn	551	70.10%	25.07%
Helmet Not Worn	173	22.01%	19.86%
Helmet Use Unknown	47	5.98%	24.61%
Other	15	1.91%	7.98%

	<u>No Injury</u>	<u>% of O Injuries</u>	<u>% of Motorcyclists*</u>
No Injury	821		24.33%
Helmet Worn	555	67.60%	25.25%
Helmet Not Worn	176	21.44%	20.21%
Helmet Use Unknown	70	8.53%	36.65%
Other	20	2.44%	10.64%

	<u>Injury Not Reported</u>	<u>% of Not Reported</u>	<u>% of Motorcyclists*</u>
Not Reported	68		2.01%
Helmet Worn	3	4.41%	0.14%
Helmet Not Worn	0	0.00%	0.34%
Helmet Use Unknown	2	2.94%	1.05%
Other	63	92.65%	33.51%

Note - Motorcyclists include the driver and any passengers on the motorcycle unit.

*This is the percentage of the motorcyclists identified. For example, for fatalities, the 74 riders wearing helmets represent 3.37% of all motorcyclists (2,198) reported as wearing helmets at the time of the crash.



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2014

Total Motorcycle Crashes 2,872
Total Motorcyclists Involved 3,270

Total motorcyclists involved with helmet 2,149
 Motorcyclists involved with helmet as % of total motorcyclists involved 65.72%

Total motorcyclists involved without helmet 838
 Motorcyclists involved without helmet as % of total motorcyclists involved 25.63%

	<u>Fatalities</u>	<u>% of Fatalities</u>	<u>% of Motorcyclists*</u>
Fatalities	108		3.30%
Helmet Worn	50	46.30%	2.33%
Helmet Not Worn	49	45.37%	5.85%
Helmet Use Unknown	9	8.33%	5.42%
Other	0	0.00%	0.00%

	<u>Suspected Serious Injury</u>	<u>% of A Injuries</u>	<u>% of Motorcyclists*</u>
Suspected Serious Injury	509		15.57%
Helmet Worn	308	60.51%	14.33%
Helmet Not Worn	171	33.60%	20.41%
Helmet Use Unknown	24	4.72%	14.46%
Other	6	1.18%	2.52%

	<u>Suspected Minor Injury</u>	<u>% of B Injuries</u>	<u>% of Motorcyclists*</u>
Suspected Minor Injury	1,041		31.83%
Helmet Worn	719	69.07%	33.46%
Helmet Not Worn	273	26.22%	32.58%
Helmet Use Unknown	42	4.03%	25.30%
Other	7	0.67%	2.94%

	<u>Possible Injury</u>	<u>% of C Injuries</u>	<u>% of Motorcyclists*</u>
Possible Injury	763		23.33%
Helmet Worn	534	69.99%	24.85%
Helmet Not Worn	182	23.85%	21.72%
Helmet Use Unknown	33	4.33%	19.88%
Other	14	1.83%	5.88%

	<u>No Injury</u>	<u>% of O Injuries</u>	<u>% of Motorcyclists*</u>
No Injury	784		23.98%
Helmet Worn	531	67.73%	24.71%
Helmet Not Worn	161	20.54%	19.21%
Helmet Use Unknown	57	7.27%	34.34%
Other	35	4.46%	14.71%

	<u>Injury Not Reported</u>	<u>% of Not Reported</u>	<u>% of Motorcyclists*</u>
Not Reported	65		1.99%
Helmet Worn	7	10.77%	0.33%
Helmet Not Worn	2	3.08%	0.84%
Helmet Use Unknown	1	1.54%	0.60%
Other	55	84.62%	23.11%

Note - Motorcyclists include the driver and any passengers on the motorcycle unit.

*This is the percentage of the motorcyclists identified. For example, for fatalities, the 50 riders wearing helmets represent 2.33% of all motorcyclists (2,149) reported as wearing helmets at the time of the crash.



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2013

Total Motorcycle Crashes 3,121
Total Motorcyclists Involved 3,511

Total motorcyclists involved with helmet 2,385
 Motorcyclists involved with helmet as % of total motorcyclists involved 67.93%

Total motorcyclists involved without helmet 837
 Motorcyclists involved without helmet as % of total motorcyclists involved 23.84%

	<u>Fatalities</u>	<u>% of Fatalities</u>	<u>% of Motorcyclists*</u>
Fatalities	128		3.65%
Helmet Worn	63	49.22%	2.64%
Helmet Not Worn	59	46.09%	7.05%
Helmet Use Unknown	5	3.91%	3.50%
Other	1	0.78%	0.32%

	<u>Suspected Serious Injury</u>	<u>% of A Injuries</u>	<u>% of Motorcyclists*</u>
Suspected Serious Injury	559		15.92%
Helmet Worn	351	62.79%	14.72%
Helmet Not Worn	194	34.70%	23.18%
Helmet Use Unknown	11	1.97%	7.69%
Other	3	0.54%	0.96%

	<u>Suspected Minor Injury</u>	<u>% of B Injuries</u>	<u>% of Motorcyclists*</u>
Suspected Minor Injury	1,113		31.70%
Helmet Worn	782	70.26%	32.79%
Helmet Not Worn	277	24.89%	33.09%
Helmet Use Unknown	33	2.96%	23.08%
Other	21	1.89%	6.71%

	<u>Possible Injury</u>	<u>% of C Injuries</u>	<u>% of Motorcyclists*</u>
Possible Injury	829		23.61%
Helmet Worn	609	73.46%	25.53%
Helmet Not Worn	171	20.63%	20.43%
Helmet Use Unknown	36	4.34%	25.17%
Other	13	1.57%	4.15%

	<u>No Injury</u>	<u>% of O Injuries</u>	<u>% of Motorcyclists*</u>
No Injury	802		22.84%
Helmet Worn	576	71.82%	24.15%
Helmet Not Worn	135	16.83%	16.13%
Helmet Use Unknown	57	7.11%	39.86%
Other	34	4.24%	10.86%

	<u>Injury Not Reported</u>	<u>% of Not Reported</u>	<u>% of Motorcyclists*</u>
Not Reported	80		2.28%
Helmet Worn	4	5.00%	0.17%
Helmet Not Worn	1	1.25%	0.48%
Helmet Use Unknown	1	1.25%	0.70%
Other	74	92.50%	23.64%

Note - Motorcyclists include the driver and any passengers on the motorcycle unit.

*This is the percentage of the motorcyclists identified. For example, for fatalities, the 63 riders wearing helmets represent 2.64% of all motorcyclists (2,385) reported as wearing helmets at the time of the crash.



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2012

Total Motorcycle Crashes 3,511
Total Motorcyclists Involved 3,949

Total motorcyclists involved with helmet 2,762
 Motorcyclists involved with helmet as % of total motorcyclists involved 69.94%

Total motorcyclists involved without helmet 863
 Motorcyclists involved without helmet as % of total motorcyclists involved 21.85%

	<u>Fatalities</u>	<u>% of Fatalities</u>	<u>% of Motorcyclists*</u>
Fatalities	129		3.27%
Helmet Worn	67	51.94%	2.43%
Helmet Not Worn	55	42.64%	6.37%
Helmet Use Unknown	7	5.43%	5.88%
Other	0	0.00%	0.00%

	<u>Suspected Serious Injury</u>	<u>% of A Injuries</u>	<u>% of Motorcyclists*</u>
Suspected Serious Injury	654		16.56%
Helmet Worn	436	66.67%	15.79%
Helmet Not Worn	195	29.82%	22.60%
Helmet Use Unknown	13	1.99%	10.92%
Other	10	1.53%	2.33%

	<u>Suspected Minor Injury</u>	<u>% of B Injuries</u>	<u>% of Motorcyclists*</u>
Suspected Minor Injury	1,297		32.84%
Helmet Worn	951	73.32%	34.43%
Helmet Not Worn	284	21.90%	32.91%
Helmet Use Unknown	26	2.00%	21.85%
Other	36	2.78%	8.39%

	<u>Possible Injury</u>	<u>% of C Injuries</u>	<u>% of Motorcyclists*</u>
Possible Injury	920		23.30%
Helmet Worn	683	74.24%	24.73%
Helmet Not Worn	179	19.46%	20.74%
Helmet Use Unknown	30	3.26%	25.21%
Other	28	3.04%	6.53%

	<u>No Injury</u>	<u>% of O Injuries</u>	<u>% of Motorcyclists*</u>
No Injury	858		21.73%
Helmet Worn	617	71.91%	22.34%
Helmet Not Worn	148	17.25%	17.15%
Helmet Use Unknown	42	4.90%	35.29%
Other	51	5.94%	11.89%

	<u>Injury Not Reported</u>	<u>% of Not Reported</u>	<u>% of Motorcyclists*</u>
Not Reported	91		2.30%
Helmet Worn	8	8.79%	0.29%
Helmet Not Worn	2	2.20%	0.93%
Helmet Use Unknown	1	1.10%	0.84%
Other	80	87.91%	18.65%

Note - Motorcyclists include the driver and any passengers on the motorcycle unit.

*This is the percentage of the motorcyclists identified. For example, for fatalities, the 67 riders wearing helmets represent 2.43% of all motorcyclists (2,762) reported as wearing helmets at the time of the crash.