



2016

MTCF
Michigan Traffic
Crash Facts

Michigan Traffic Crash Facts

Reporting Criteria

Please pay particular attention to the wording when interpreting the three levels of data gathered for this report.

Crash

The Crash Level analyzes data related to crash events and returns one result per crash.

Examples: Time, weather, and location.

Units

The Units Level analyzes the experience of the units in the crash and returns one result per vehicle, driver, pedestrian, bicyclist, or train.

Examples: Vehicle type, driver condition, and unit events.

People

The People Level analyzes the experience of the people involved in the crash and returns one result per occupant/person/party.

Examples: Age, injury severity, and seat belt or helmet use.

KABCO Injury Indicator:

K = Killed

A = Suspected Serious Injury

B = Suspected Minor Injury

C = Possible Injury

O = No Injury

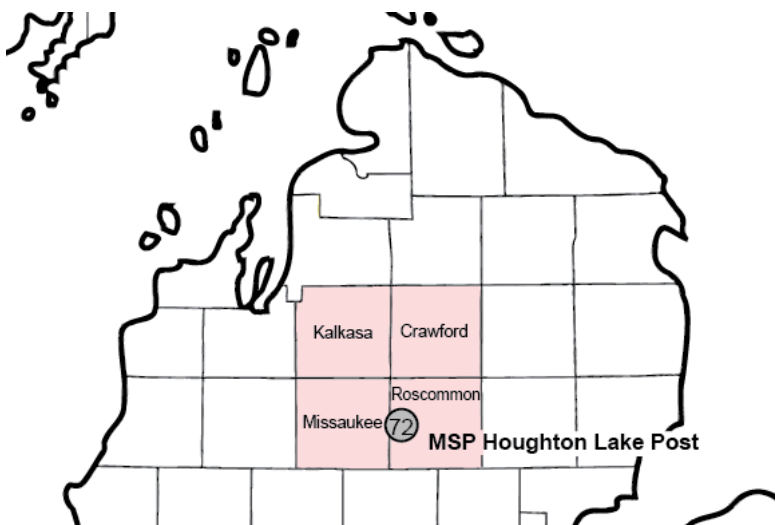
Property Damage Only (PDO)



Michigan State Police (MSP) Post 72 - Houghton Lake

2016 Traffic Crash Data & 2012-2016 5-Year Trends

Post 72 is comprised of Crawford, Kalkaska, Missaukee, and Roscommon counties. Trend tables for this report are based on those counties.



Sources:

The crashes in this report occurred on public roadways in Michigan and resulted in injuries, fatalities, or property damage (with \$1,000 as a reporting threshold). The information was gathered from Michigan Traffic Crash Report Forms (UD-10) submitted by local police departments, sheriff's offices, and the Michigan State Police. Other related information was obtained from the departments of Transportation, State, and Community Health.

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MSP Post 72 - Houghton Lake

- There were 2,176 crashes in Post 72 during 2016. [Page 1]
- There were 16 fatalities in 14 fatal crashes in 2016 in Post 72. [Page 1]
- A total of 478 injuries resulted from 339 injury crashes. [Page 1]
- There were 1,823 property damage only crashes (no fatalities or injuries). [Page 1]
- November had the highest number of crashes (289). [Pages 1-2]
- January had the highest number of fatal crashes (3). January and October both had the highest number of fatalities (3). [Pages 1-2]
- August had the highest number of injury crashes (45) and the highest number of injuries (76). [Page 1]
- November had the highest number of property damage only crashes (262). [Page 1]
- Of all vehicles involved in fatal crashes, one (5.6%) was a motorcycle. [Page 1]
- Friday was the day of the week with the highest number of crashes (370). This is true for each year from 2012 to 2016. Sunday had the highest number of fatal crashes (4). [Pages 2-3]
- The 3:00 PM – 5:59 PM time period had the highest number of crashes (407). The 6:00 PM – 8:59 PM time period had the highest number of fatal crashes (4). [Pages 5-6]
- During the period from 2012 to 2016, the highest number of deer crashes occurred in 2013 (1,331). There were two fatal crashes involving deer in 2016. [Pages 7-8]
- Roscommon County (35.4%) had the highest number of crashes in Post 72 in 2016, followed by Missaukee County (27.2%). [Page 8]
- Roscommon and Missaukee Counties tied for the highest number of fatalities in Post 72 in 2016 with 31.3%. [Page 8]
- The highest number of drivers in crashes (3,256) and drivers coded drinking in crashes (98) occurred during 2013 within the five-year period. [Page 9]
- A total of 88 crashes involved alcohol in 2016, but 2013 had the highest number of alcohol-involved crashes, with 98. [Page 10]
- Alcohol-involved fatal crashes were the highest in 2013 during the five-year period from 2012 to 2016 at eight. [Page 10]
- During the five-year period, 2016 had the highest number of crashes involving drugs (27) and the highest number of suspected serious injury crashes involving drugs (5), but the lowest number of fatal crashes involving drugs (1). [Page 11]
- There were 2,649 drivers wearing seatbelts and 42 drivers not wearing seatbelts in crashes in 2016. Of the 42 drivers not wearing seat belts, two (4.8%) were killed and 16 (38.1%) were injured. [Pages 14-16]
- The most common hazardous action coded for drivers in 2016 in all crashes (415) and fatal crashes (6) was speed too fast. [Page 17]

Post 72 Experience

In 2016:

There were 2,870 drivers involved in 2,176 motor vehicle crashes in MSP Post 72. Of those crashes, 14 were classified as fatal, resulting in 16 fatalities. An additional 478 persons were injured.

Post 72 experienced the highest number of motor vehicle crashes (289) in November, the highest number of fatal crashes (3) in January, and the highest number of persons killed (3) in January and October.

Michigan driver statistics indicate 5.0 percent of licensed drivers in Post 72 were age 16-20, and 10.6 percent of drivers in crashes were also in that age group.

2016 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	204	3	28	173	3	38
February	166	0	23	143	0	30
March	131	2	21	108	2	32
April	156	2	21	133	2	31
May	140	0	17	123	0	25
June	171	1	34	136	1	42
July	174	1	42	131	1	59
August	168	2	45	121	2	76
September	141	1	21	119	1	31
October	175	1	26	148	3	37
November	289	0	27	262	0	35
December	261	1	34	226	1	42
Total	2,176	14	339	1,823	16	478

2016 - Driver Statistics

Age Group	Statewide			Driver Rates	
	2016 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	11,682	347	6	5.1	172.9
16 - 20	3,485	2,785	303	869.4	1,088.0
21 - 24	2,683	2,619	258	961.6	985.1
25 - 64	34,838	33,231	1,797	515.8	540.8
65 +	17,121	16,460	414	241.8	251.5
Unknown	0	0	92	--	--
Total	69,809	55,442	2,870	411.1	517.7

2016 - Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crashes		Injury Crashes	PDO Crashes
	Number of Vehicles	% of Total	Number	% of Total	Number	Number
Passenger car, SUV, van	1,982	69.1	6	33.3	350	1,626
Motor home	41	1.4	0	0.0	4	37
Pickup truck	675	23.5	4	22.2	92	579
Small truck under 10,000 lbs. GVWR	28	1.0	0	0.0	5	23
Motorcycle	18	0.6	1	5.6	11	6
Moped / goped	3	0.1	0	0.0	3	0
Go-cart / golf cart	2	0.1	0	0.0	1	1
Snowmobile	14	0.5	2	11.1	8	4
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	13	0.5	2	11.1	11	0
Other	11	0.4	0	0.0	2	9
Truck/bus over 10,000 lbs.	54	1.9	3	16.7	12	39
Unknown	29	1.0	0	0.0	1	28
Total	2,870	100.0	18	100.0	500	2,352

MSP Post 72 - Houghton Lake (continued)

5-Year Trend - Crashes by Month

Month	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	243	1	251	0	260	0	247	1	204	3
February	198	1	195	3	173	2	177	2	166	0
March	157	0	182	2	220	0	152	0	131	2
April	118	0	204	2	167	1	146	0	156	2
May	159	1	168	0	171	3	155	2	140	0
June	180	1	205	2	190	1	191	0	171	1
July	174	1	179	2	194	0	196	0	174	1
August	149	2	175	2	171	0	197	1	168	2
September	189	0	199	1	150	1	158	0	141	1
October	234	0	227	1	208	2	215	0	175	1
November	305 †	1	364 †	3	366 †	0	317 †	3	289 †	0
December	243	1	322	1	244	0	147	1	261	1
Total	2,349	9	2,671	19	2,514	10	2,298	10	2,176	14

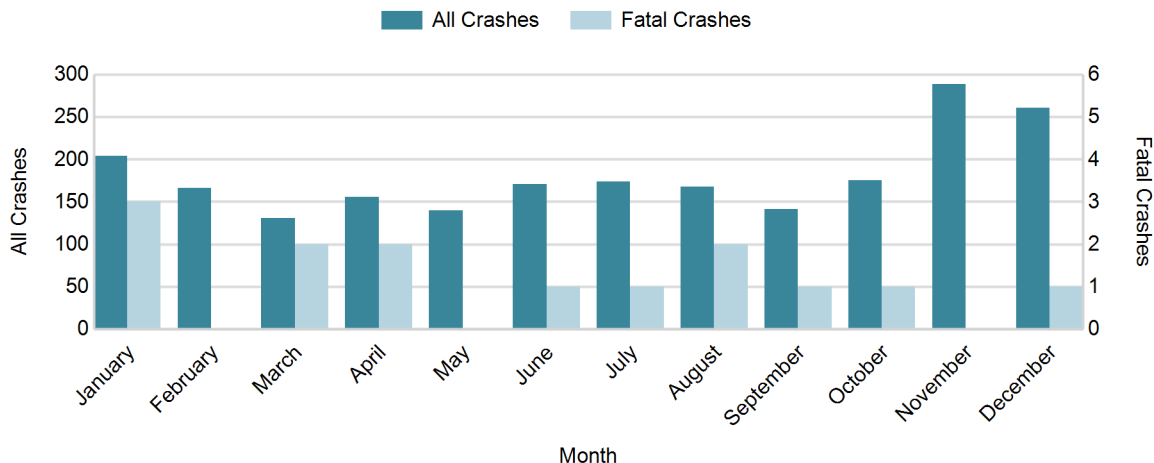
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

5-Year Trend - Crashes by Day of Week

Day	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	316	0	383	2	317	1	298	2	319	1
Tuesday	318	0	366	4	353	0	316	4	268	3
Wednesday	283	2	383	2	374	1	329	3	299	1
Thursday	316	0	415	1	369	2	330	0	307	3
Friday	440 †	2	423 †	5	441 †	0	377 †	0	370 †	1
Saturday	368	4	402	4	339	2	364	1	316	1
Sunday	308	1	299	1	321	4	284	0	297	4
Total	2,349	9	2,671	19	2,514	10	2,298	10	2,176	14

Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred on the same day of the week

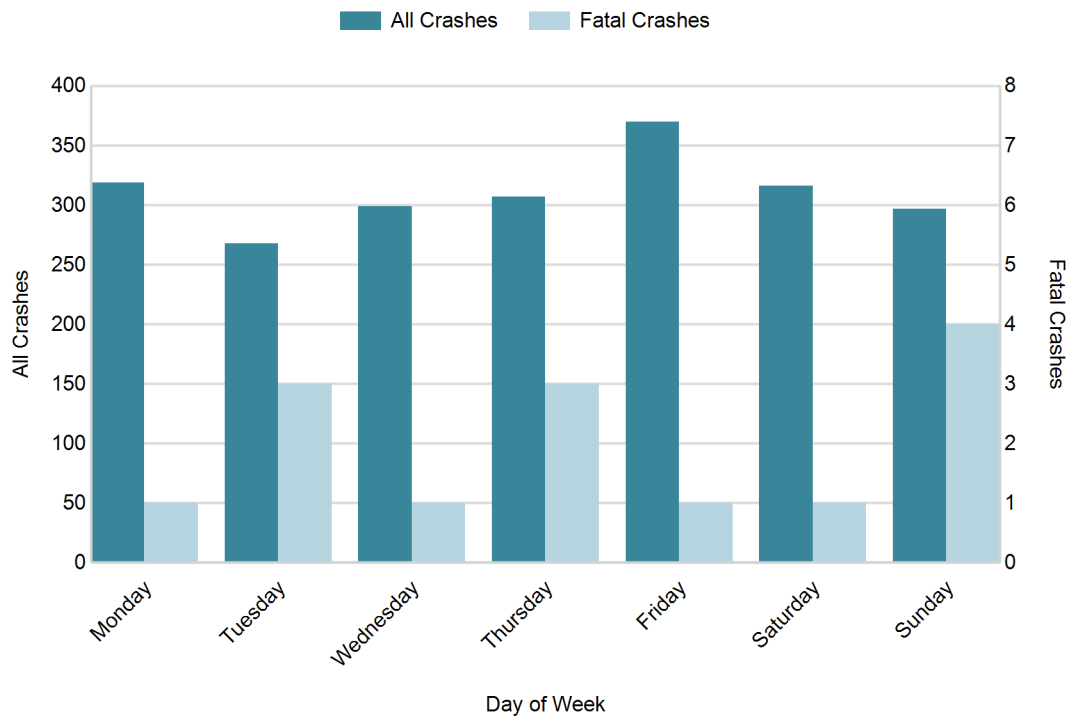
2016 Crashes by Month



2016 - Crashes by Day of Week

Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Monday	319	14.7	1	7.1	5	15	21	277
Tuesday	268	12.3	3	21.4	3	12	22	228
Wednesday	299	13.7	1	7.1	6	19	20	253
Thursday	307	14.1	3	21.4	6	14	24	260
Friday	370	17.0	1	7.1	13	14	31	311
Saturday	316	14.5	1	7.1	18	25	25	247
Sunday	297	13.6	4	28.6	9	12	25	247
Total	2,176	100.0	14	100.0	60	111	168	1,823

2016 Day of Week and Severity

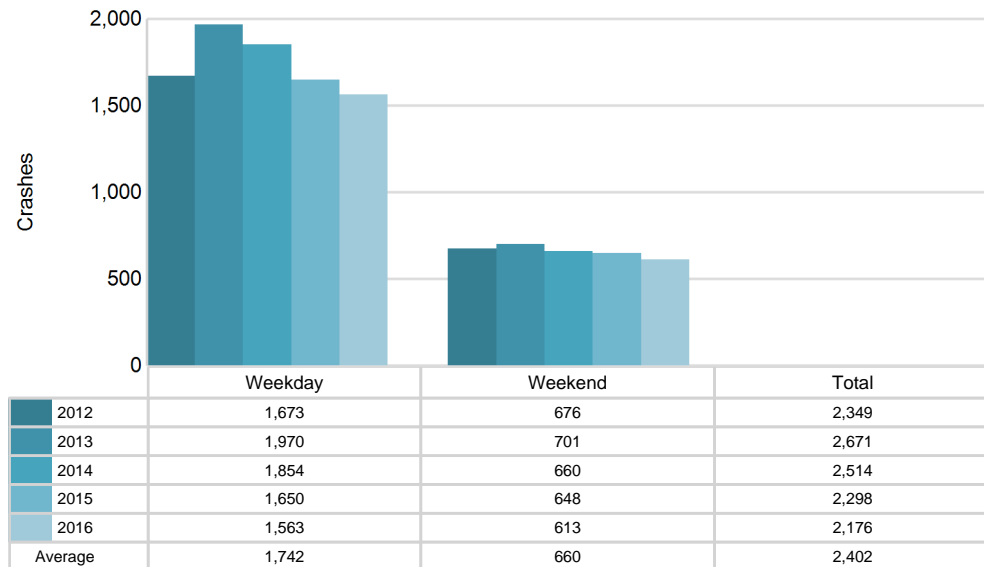


MSP Post 72 - Houghton Lake (continued)

5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	1,673	4	1,970	14	1,854	4	1,650	9	1,563	9
Weekend	676	5	701	5	660	6	648	1	613	5
Total	2,349	9	2,671	19	2,514	10	2,298	10	2,176	14

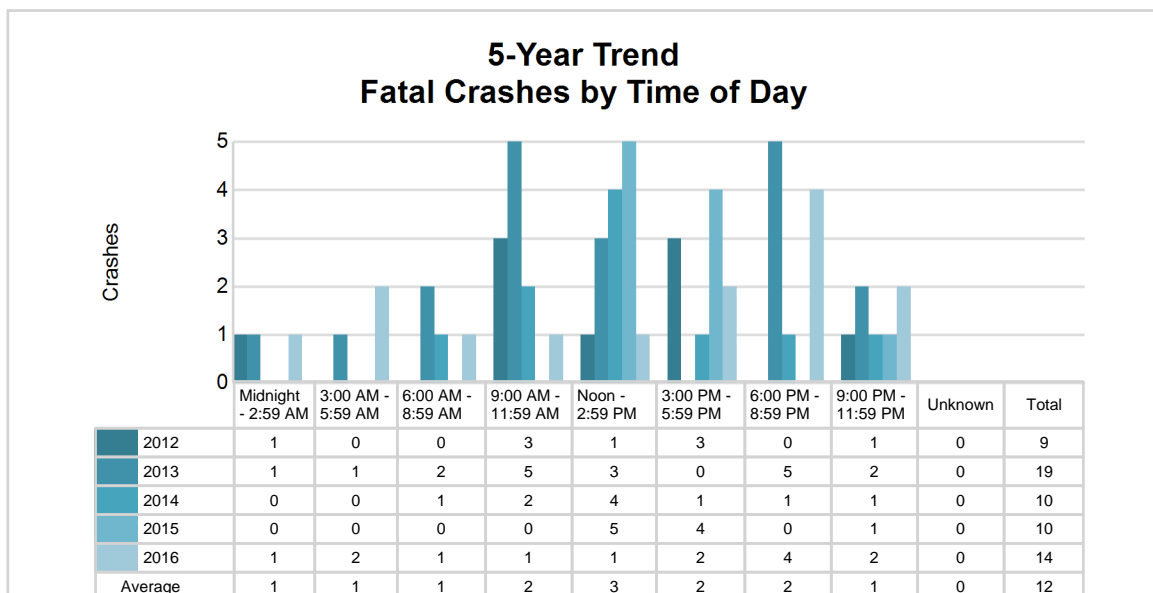
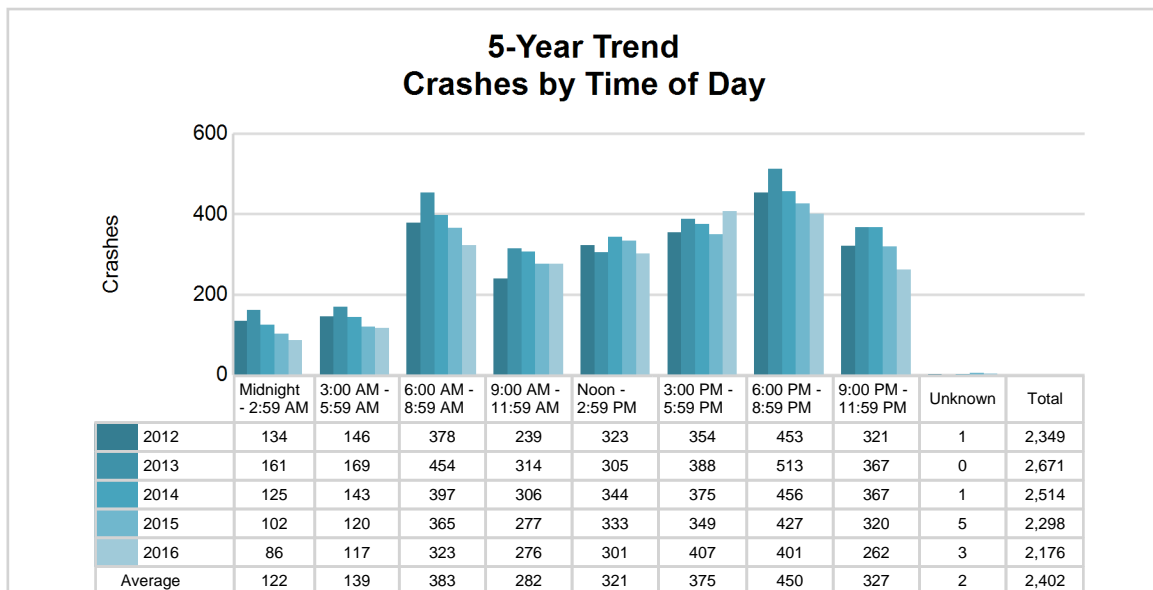
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

Time of Day	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	134	1	161	1	125	0	102	0	86	1
3:00 AM - 5:59 AM	146	0	169	1	143	0	120	0	117	2
6:00 AM - 8:59 AM	378	0	454	2	397	1	365	0	323	1
9:00 AM - 11:59 AM	239	3	314	5	306	2	277	0	276	1
Noon - 2:59 PM	323	1	305	3	344	4	333	5	301	1
3:00 PM - 5:59 PM	354	3	388	0	375	1	349	4	407	2
6:00 PM - 8:59 PM	453	0	513	5	456	1	427	0	401	4
9:00 PM - 11:59 PM	321	1	367	2	367	1	320	1	262	2
Unknown	1	0	0	0	1	0	5	0	3	0
Total	2,349	9	2,671	19	2,514	10	2,298	10	2,176	14

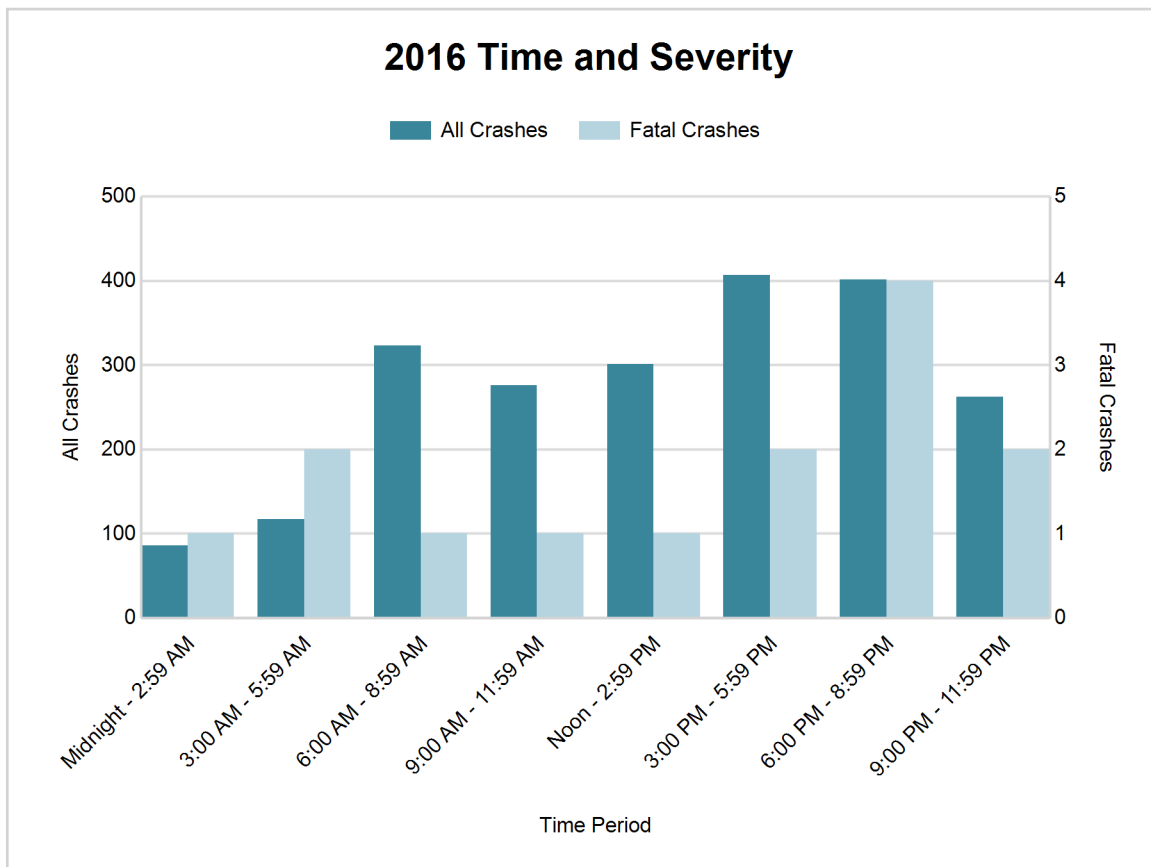
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period



MSP Post 72 - Houghton Lake (continued)

2016 - Time and Severity

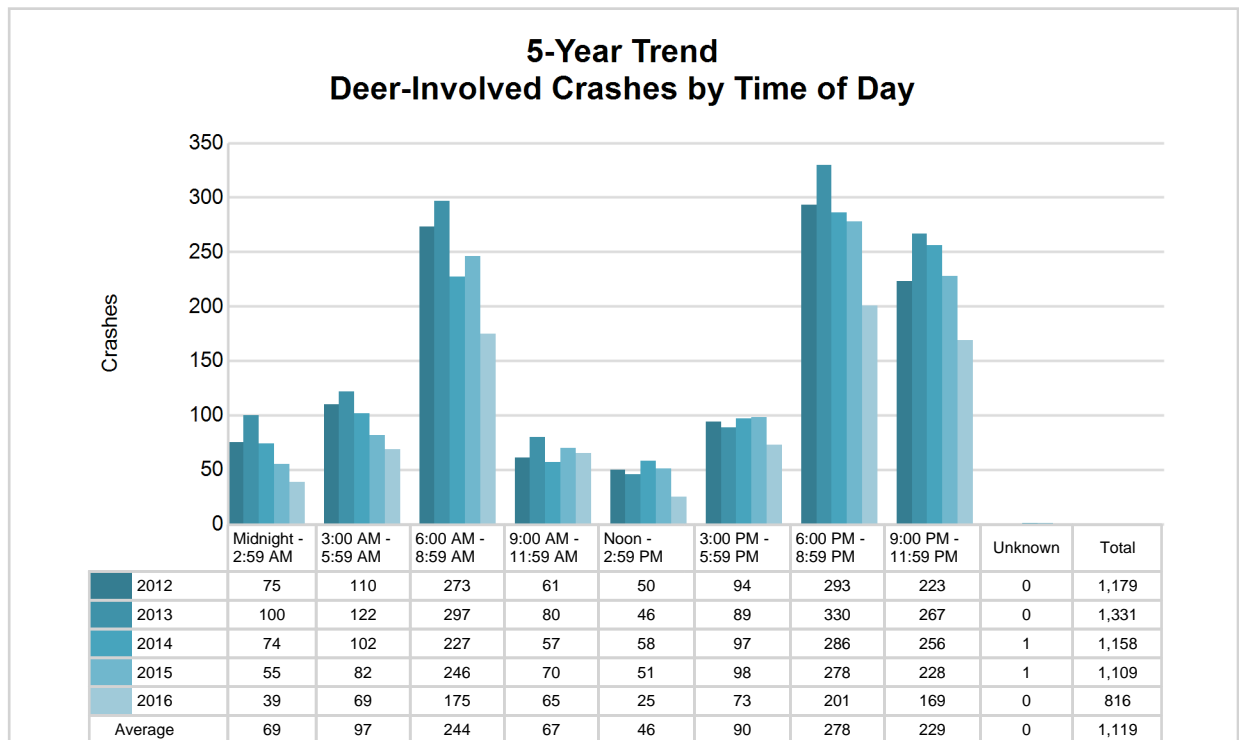
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	86	4.0	1	7.1	4	2	7	72
3:00 AM - 5:59 AM	117	5.4	2	14.3	2	5	6	102
6:00 AM - 8:59 AM	323	14.8	1	7.1	7	10	15	290
9:00 AM - 11:59 AM	276	12.7	1	7.1	12	18	22	223
Noon - 2:59 PM	301	13.8	1	7.1	9	19	33	239
3:00 PM - 5:59 PM	407	18.7	2	14.3	11	26	48	320
6:00 PM - 8:59 PM	401	18.4	4	28.6	10	18	24	345
9:00 PM - 11:59 PM	262	12.0	2	14.3	5	12	13	230
Unknown	3	0.1	0	0.0	0	1	0	2
Total	2,176	100.0	14	100.0	60	111	168	1,823



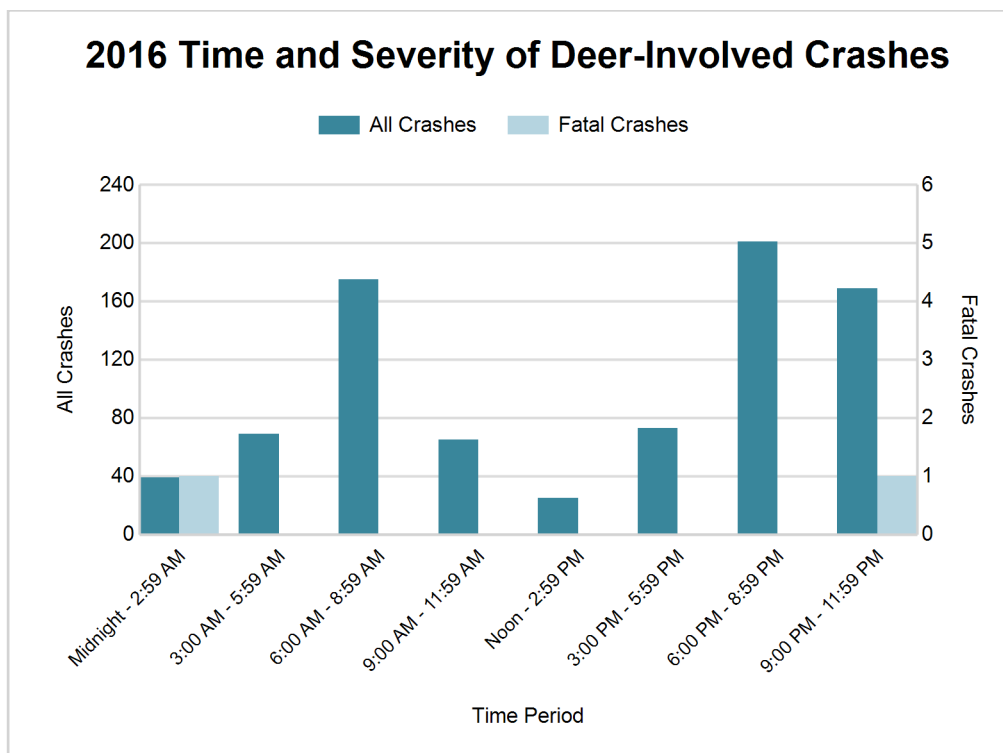
5-Year Trend - Deer-Involved Crashes by Time of Day

Time of Day	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	75	0	100	0	74	0	55	0	39	1
3:00 AM - 5:59 AM	110	0	122	0	102	0	82	0	69	0
6:00 AM - 8:59 AM	273	0	297	0	227	0	246	0	175	0
9:00 AM - 11:59 AM	61	0	80	0	57	0	70	0	65	0
Noon - 2:59 PM	50	0	46	0	58	0	51	0	25	0
3:00 PM - 5:59 PM	94	0	89	0	97	0	98	0	73	0
6:00 PM - 8:59 PM	293 †	0	330 †	0	286 †	0	278 †	0	201 †	0
9:00 PM - 11:59 PM	223	0	267	0	256	0	228	0	169	1
Unknown	0	0	0	0	1	0	1	0	0	0
Total	1,179	0	1,331	0	1,158	0	1,109	0	816	2

Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period



MSP Post 72 - Houghton Lake (continued)



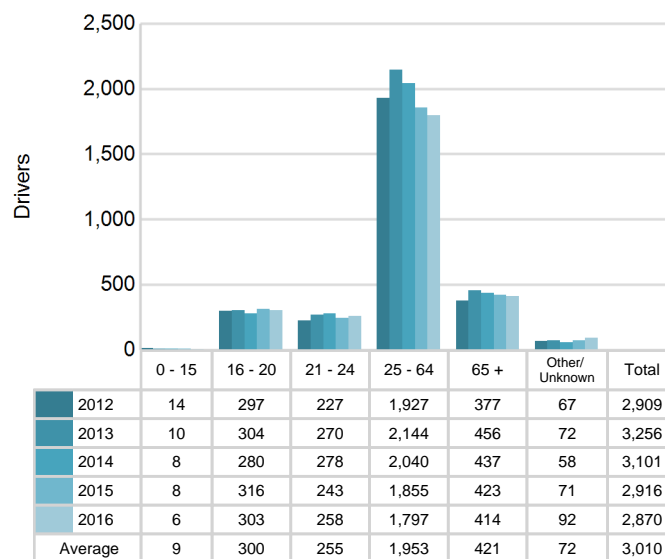
2016 - Reported Motor Vehicle Crashes by County

County	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Crawford	411	2	85	324	135	13	98	164	20	8	73	2	105
Kalkaska	403	4	90	309	0	103	95	198	29	10	74	4	134
Missaukee	592	5	55	532	0	0	201	390	15	6	363	5	85
Roscommon	770	3	109	658	115	99	243	305	24	3	306	5	154
Total	2,176	14	339	1,823	250	215	637	1,057	88	27	816	16	478

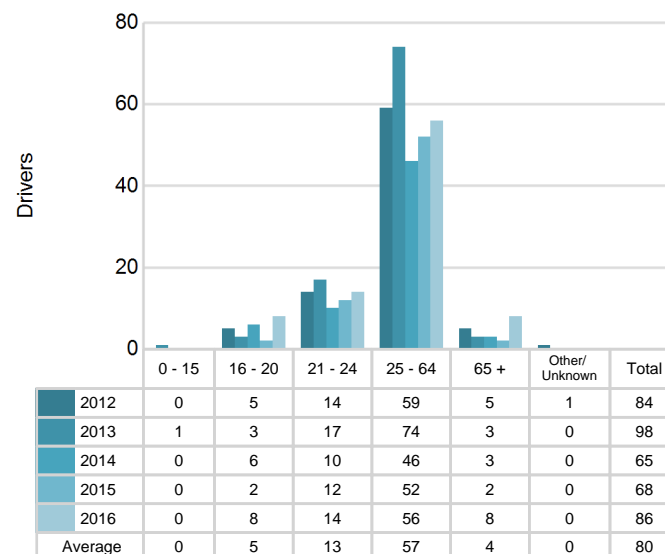
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2012		2013		2014		2015		2016	
	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking
0 - 15	14	0	10	1	8	0	8	0	6	0
16 - 20	297	5	304	3	280	6	316	2	303	8
21 - 24	227	14	270	17	278	10	243	12	258	14
25 - 64	1,927	59	2,144	74	2,040	46	1,855	52	1,797	56
65 +	377	5	456	3	437	3	423	2	414	8
Unknown	67	1	72	0	58	0	71	0	92	0
Total	2,909	84	3,256	98	3,101	65	2,916	68	2,870	86

**5-Year Trend
Total Drivers in Crashes by Age**



**5-Year Trend
Total Drivers Coded Drinking by Age**



MSP Post 72 - Houghton Lake (continued)

2016 - Bodily Alcohol Concentration (BAC) Results Among All Vehicle Drivers in Alcohol-Involved Crashes by Age

Age Group	Drivers				BAC Result Range for Drivers Coded Drinking				
	Total Drivers in Alcohol-Involved Crashes	Total Drivers Tested in all Crashes	Total Drivers Coded Drinking, Tested	Total Drivers Coded Drinking	BAC = 0.00	BAC 0.01 g/dL to 0.07 g/dL	BAC 0.08 g/dL to 0.16 g/dL	BAC 0.17 g/dL and Above	BAC Not Reported
0 - 15	0	0	0	0	0	0	0	0	0
16 - 20	8	10	7	8	1	2	4	0	1
21 - 24	15	15	11	14	0	0	4	1	9
25 - 64	67	68	50	56	3	4	17	19	13
65 +	11	9	8	8	0	3	4	1	0
Unknown	2	0	0	0	0	0	0	0	0
Total	103	102	76	86	4	9	29	21	23

Notes: BAC measured in grams (g) per deciliter (dL).

BAC may not be reported if drivers are not tested or if the results are not available immediately (as in the case of a blood test).

A driver may be coded by the officer as drinking even though no test is administered.

Alcohol-Involved Crashes

In 2016, there were 103 drivers in alcohol-involved crashes; 86 (83.5%) of those drivers were coded as had-been-drinking by the officer on the crash form.

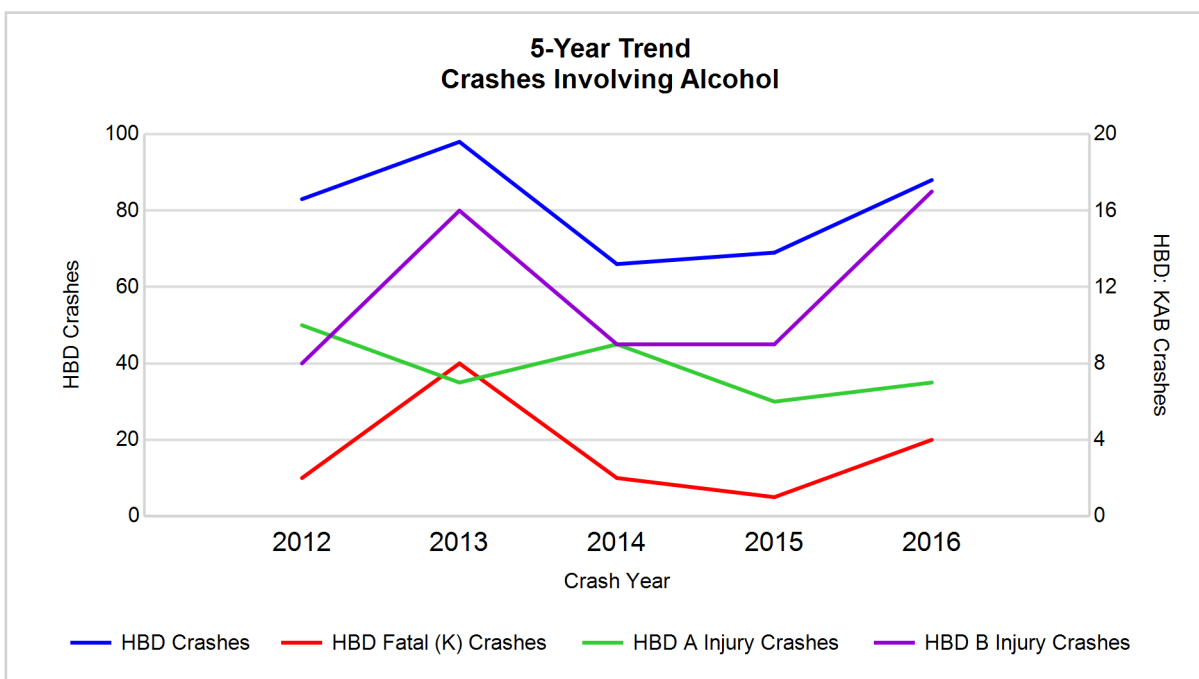
- 50 (58.1%) of the 86 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 21 (42.0%) of the 50 drivers had a BAC at or above 0.17 g/dL.
- 76 (88.4%) of the 86 drivers were coded as had-been-drinking and were tested for alcohol consumption.

5-Year Trend - Crashes Involving Alcohol

Year	All Crashes	HBD Crashes	% HBD	Fatal Crashes	HBD Fatal Crashes	% HBD	A Injury Crashes	HBD A Injury Crashes	% HBD	B Injury Crashes	HBD B Injury Crashes	% HBD
2012	2,349	83	3.5	9	2	22.2	74	10	13.5	96	8	8.3
2013	2,671	98	3.7	19	8	42.1	62	7	11.3	87	16	18.4
2014	2,514	66	2.6	10	2	20.0	65	9	13.8	109	9	8.3
2015	2,298	69	3.0	10	1	10.0	54	6	11.1	83	9	10.8
2016	2,176*	88	4.0**	14	4	28.6	60	7	11.7	111**	17**	15.3

Note: * Indicates that the most recent year is the lowest number or percentage reported in the 5-year period in that column

** Indicates that the most recent year is the highest number or percentage reported in the 5-year period in that column



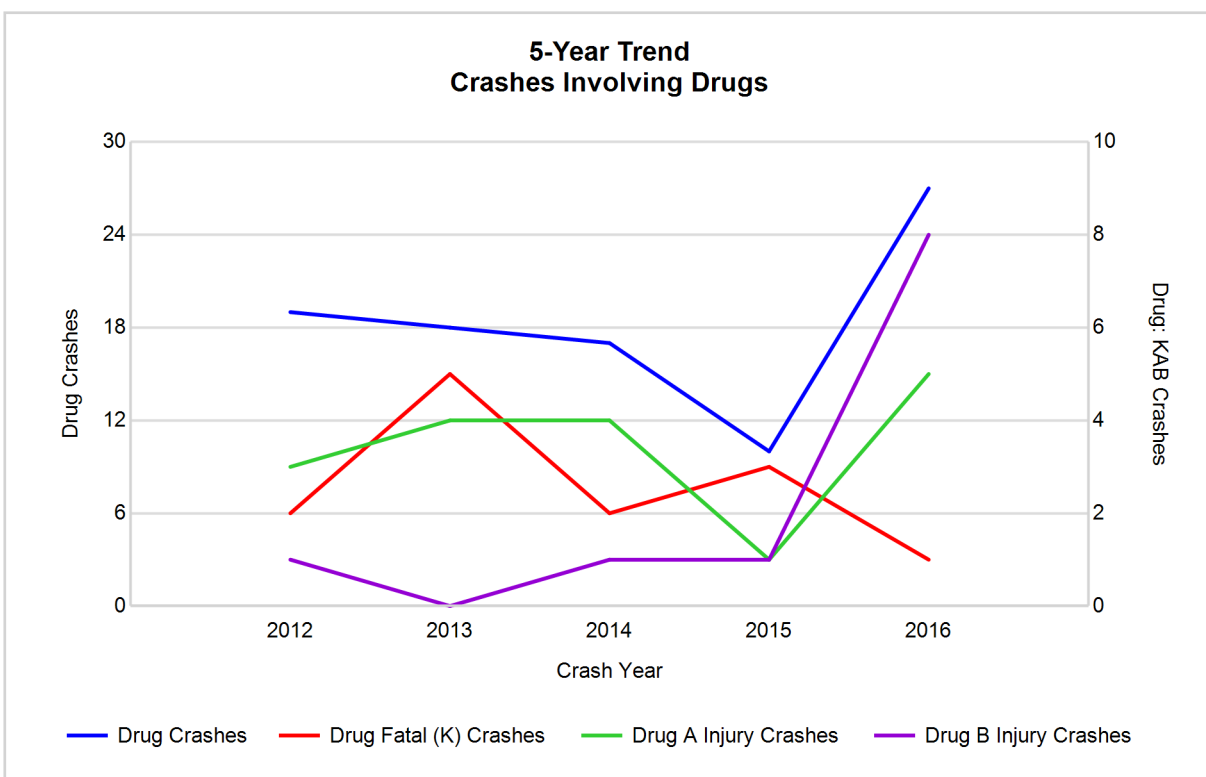
Note: Had-Been-Drinking (HBD)

5-Year Trend - Crashes Involving Drugs

Year	All Crashes	Drug Crashes	% Drug	Fatal Crashes	Drug Fatal Crashes	% Drug	A Injury Crashes	Drug A Injury Crashes	% Drug	B Injury Crashes	Drug B Injury Crashes	% Drug
2012	2,349	19	0.8	9	2	22.2	74	3	4.1	96	1	1.0
2013	2,671	18	0.7	19	5	26.3	62	4	6.5	87	0	0.0
2014	2,514	17	0.7	10	2	20.0	65	4	6.2	109	1	0.9
2015	2,298	10	0.4	10	3	30.0	54	1	1.9	83	1	1.2
2016	2,176*	27**	1.2**	14	1*	7.1*	60	5**	8.3**	111**	8**	7.2**

Note: * Indicates that the most recent year is the lowest number or percentage reported in the 5-year period in that column

** Indicates that the most recent year is the highest number or percentage reported in the 5-year period in that column



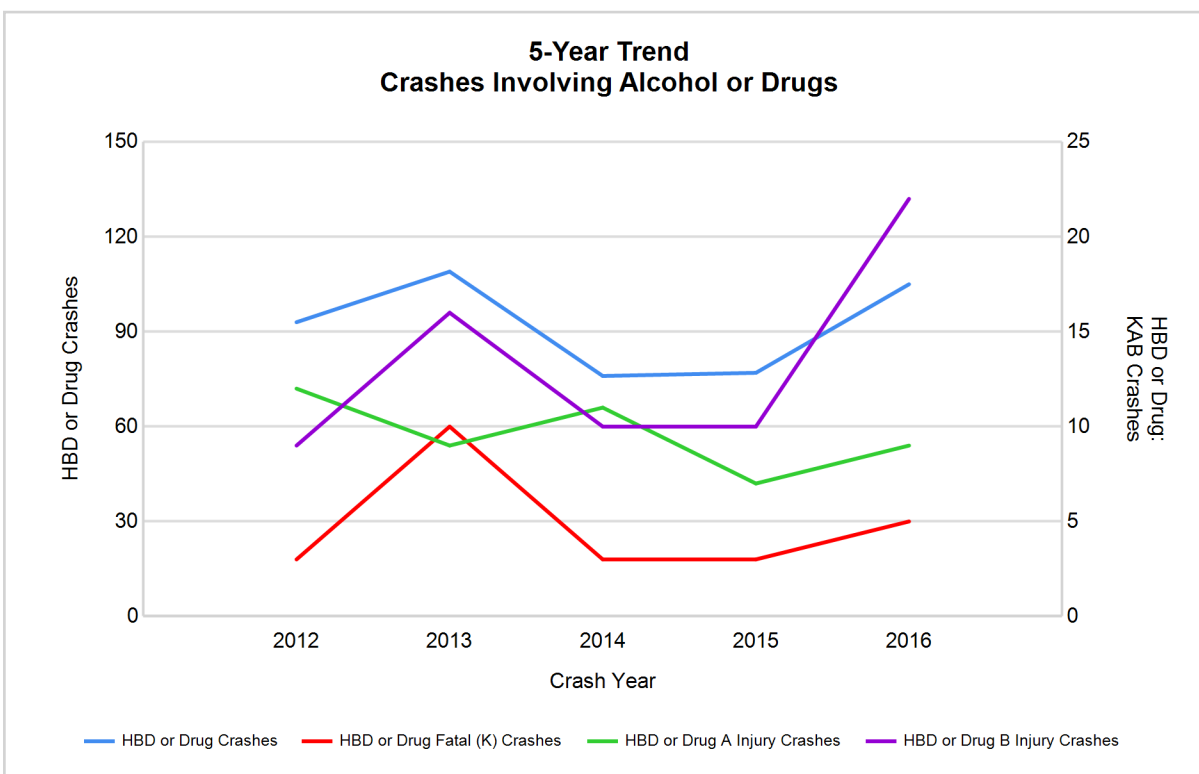
MSP Post 72 - Houghton Lake (continued)

5-Year Trend - Crashes Involving Alcohol or Drugs

Year	All Crashes	HBD or Drug Crashes	% HBD or Drug	Fatal Crashes	HBD or Drug Fatal Crashes	% HBD or Drug	A Injury Crashes	HBD or Drug A Injury Crashes	% HBD or Drug	B Injury Crashes	HBD or Drug B Injury Crashes	% HBD or Drug
2012	2,349	93	4.0	9	3	33.3	74	12	16.2	96	9	9.4
2013	2,671	109	4.1	19	10	52.6	62	9	14.5	87	16	18.4
2014	2,514	76	3.0	10	3	30.0	65	11	16.9	109	10	9.2
2015	2,298	77	3.4	10	3	30.0	54	7	13.0	83	10	12.0
2016	2,176*	105	4.8**	14	5	35.7	60	9	15.0	111**	22**	19.8**

Note: * Indicates that the most recent year is the lowest number or percentage reported in the 5-year period in that column

** Indicates that the most recent year is the highest number or percentage reported in the 5-year period in that column



Note: Had-Been-Drinking (HBD)

MSP Post 72 - Houghton Lake (continued)

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2016 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Vehicle Type

Vehicle Type	Total Occupants			Fatalities			A - Suspected Serious			B - Suspected Minor			C - Possible Injury			No Injury		
	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%
Passenger car, SUV, van	2,083	1,981	95.1	8	5	62.5	54	41	75.9	90	80	88.9	195	187	95.9	1,693	1,662	98.2
Motor home	43	42	97.7	0	0	0.0	1	1	100.0	2	2	100.0	3	3	100.0	36	36	100.0
Pickup truck	694	641	92.4	2	1	50.0	6	4	66.7	25	18	72.0	39	38	97.4	599	579	96.7
Small truck under 10,000 lbs. GVWR	28	28	100.0	0	0	0.0	1	1	100.0	2	2	100.0	1	1	100.0	24	24	100.0
Motorcycle	23	18	78.3	1	1	100.0	6	3	50.0	7	7	100.0	3	3	100.0	6	4	66.7
Moped / goped	3	1	33.3	0	0	0.0	0	0	0.0	2	1	50.0	1	0	0.0	0	0	0.0
Go-cart / golf cart	3	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0
Snowmobile	14	11	78.6	2	1	50.0	3	3	100.0	4	3	75.0	1	0	0.0	4	4	100.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	15	9	60.0	2	0	0.0	3	1	33.3	3	2	66.7	6	5	83.3	1	1	100.0
Other	11	7	63.6	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	10	6	60.0
Truck/bus over 10,000 lbs.	55	51	92.7	0	0	0.0	1	0	0.0	1	1	100.0	2	2	100.0	48	48	100.0
Unknown	29	1	3.4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Total	3,001	2,790	93.0	15	8	53.3	76	54	71.1	136	116	85.3	252	240	95.2	2,424	2,365	97.6

Note: Restraint Use includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, child restraint used, restraint failure, and helmet worn.

2016 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Age

Age Group	Total Occupants			Fatalities			A - Suspected Serious			B - Suspected Minor			C - Possible Injury			No Injury		
	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%
0 - 15	27	22	81.5	0	0	0.0	4	1	25.0	3	3	100.0	18	17	94.4	2	1	50.0
16 - 20	330	311	94.2	2	1	50.0	14	7	50.0	20	14	70.0	34	34	100.0	259	254	98.1
21 - 24	265	258	97.4	2	1	50.0	9	9	100.0	14	13	92.9	17	14	82.4	221	219	99.1
25 - 64	1,860	1,785	96.0	8	4	50.0	41	30	73.2	81	69	85.2	148	140	94.6	1,576	1,538	97.6
65 +	427	413	96.7	3	2	66.7	8	7	87.5	18	17	94.4	35	35	100.0	362	352	97.2
Unknown	92	1	1.1	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	1	25.0
Total	3,001	2,790	93.0	15	8	53.3	76	54	71.1	136	116	85.3	252	240	95.2	2,424	2,365	97.6

Note: Restraint Use includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, child restraint used, restraint failure, and helmet worn.

MSP Post 72 - Houghton Lake (continued)

5-Year Trend - Restraint Use Among Drivers

Restraint Use	2012			2013			2014			2015			2016		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	50	0	9	22	0	4	16	0	5	16	0	1	14	0	1
Shoulder belt only used	0	0	0	2	0	1	4	0	3	24	0	7	6	0	1
Lap belt only used	5	0	1	7	0	0	10	0	1	11	0	0	6	0	3
Both lap & shoulder belts used	2,658	1	243	3,027	11	260	2,879	2	249	2,674	3	236	2,637	3	280
No belts used	23	3	12	28	3	11	24	1	12	34	5	14	28	2	15
Child restraint used	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1
Child restraint not used, unavailable or improper use	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint failure	3	0	1	3	0	1	1	0	1	0	0	0	0	0	0
Restraint use unknown	31	0	6	35	0	8	36	1	10	38	0	8	82	0	7
Helmet worn	58	1	41	50	2	38	57	3	36	32	0	22	31	2	20
Helmet not worn	9	0	9	6	1	4	16	1	11	14	0	11	11	2	7
Helmet use unknown	2	1	0	2	1	0	1	0	0	2	0	1	4	1	3
Uncoded & errors	69	0	3	74	0	0	57	0	1	71	0	0	49	0	0
Total	2,909	6	325	3,256	18	327	3,101	8	329	2,916	8	300	2,870	10	338

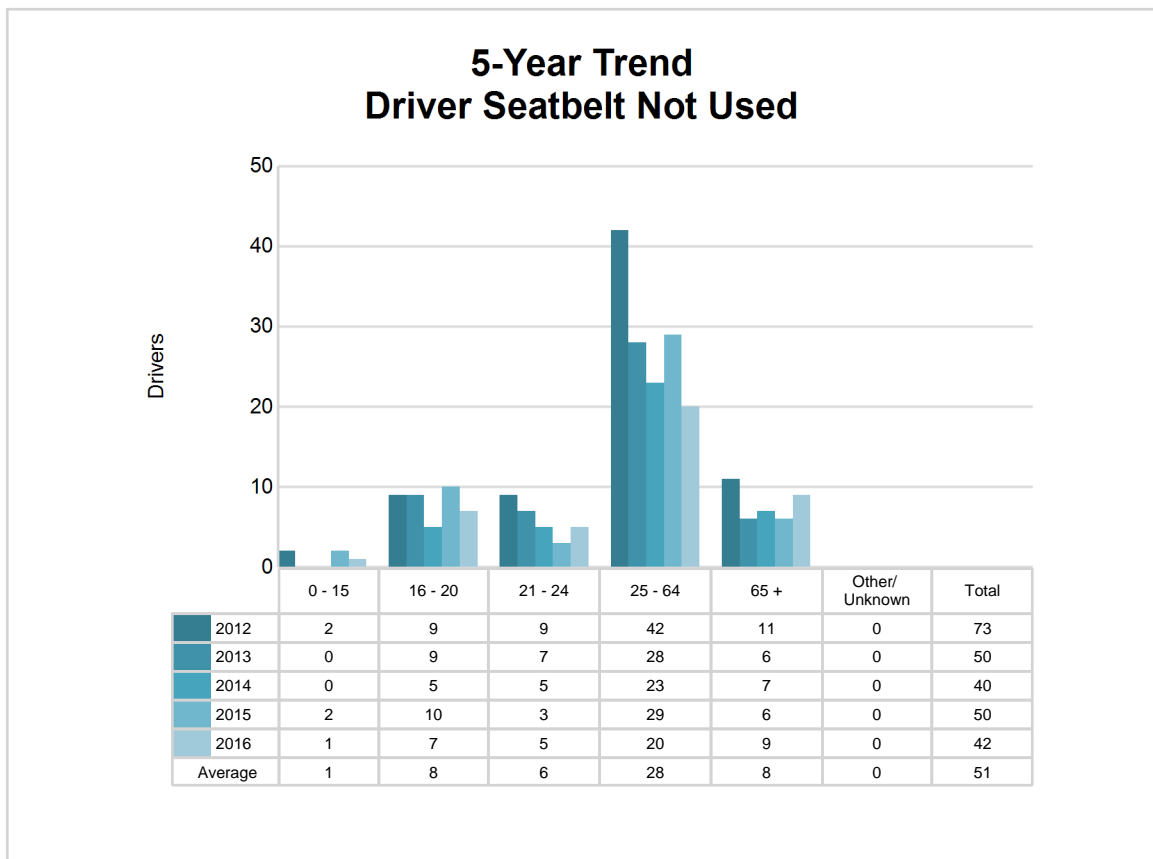
5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2012			2013			2014			2015			2016		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shoulder belt only used	0	0	0	1	0	1	1	0	1	1	0	0	1	0	1
Lap belt only used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Both lap & shoulder belts used	63	0	12	68	4	21	37	0	12	44	0	12	62	1	17
No belts used	3	1	2	9	2	3	8	1	6	7	1	3	8	1	6
Child restraint used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child restraint not used, unavailable or improper use	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint failure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint use unknown	11	0	2	13	0	4	14	0	4	11	0	3	11	0	4
Helmet worn	4	1	2	6	2	3	3	1	2	1	0	1	2	1	1
Helmet not worn	1	0	1	1	0	1	1	0	1	3	0	3	2	0	2
Helmet use unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Uncoded & errors	2	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Total	84	2	19	98	8	33	65	2	26	68	1	22	86	3	31

5-Year Trend - Seatbelt Not Used Among Drivers by Age

Age Group	2012			2013			2014			2015			2016		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	2	0	2	0	0	0	0	0	0	2	0	1	1	0	0
16 - 20	9	0	1	9	0	5	5	0	2	10	0	3	7	0	3
21 - 24	9	1	2	7	0	1	5	0	2	3	0	0	5	0	3
25 - 64	42	1	12	28	2	8	23	0	13	29	4	9	20	1	8
65 +	11	1	4	6	1	1	7	1	0	6	1	2	9	1	2
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	73	3	21	50	3	15	40	1	17	50	5	15	42	2	16

Note: Seatbelt Not Used includes no belts available or no belts used.

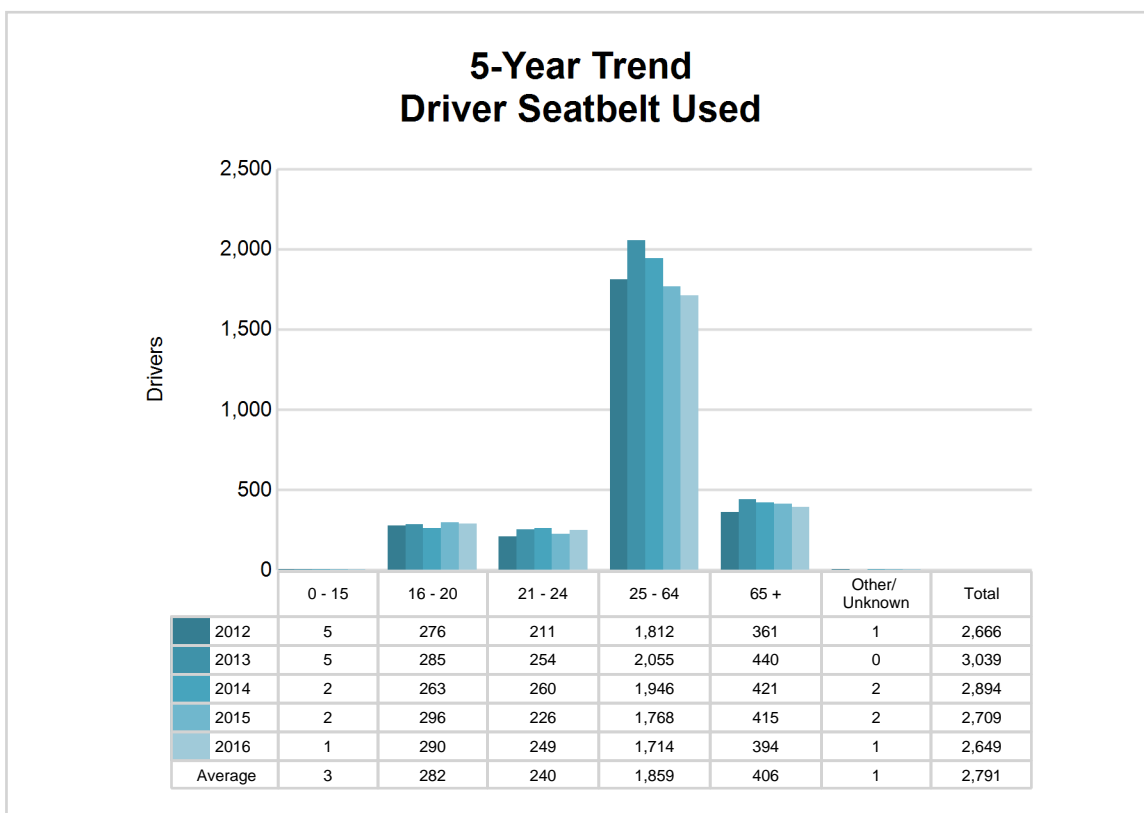


MSP Post 72 - Houghton Lake (continued)

5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2012			2013			2014			2015			2016		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	5	0	0	5	1	1	2	0	1	2	0	0	1	0	1
16 - 20	276	1	45	285	2	27	263	0	36	296	0	40	290	1	35
21 - 24	211	0	27	254	0	27	260	1	18	226	0	21	249	1	28
25 - 64	1,812	0	128	2,055	7	168	1,946	1	152	1,768	1	131	1,714	0	177
65 +	361	0	45	440	1	39	421	0	46	415	2	50	394	1	43
Unknown	1	0	0	0	0	0	2	0	1	2	0	1	1	0	0
Total	2,666	1	245	3,039	11	262	2,894	2	254	2,709	3	243	2,649	3	284

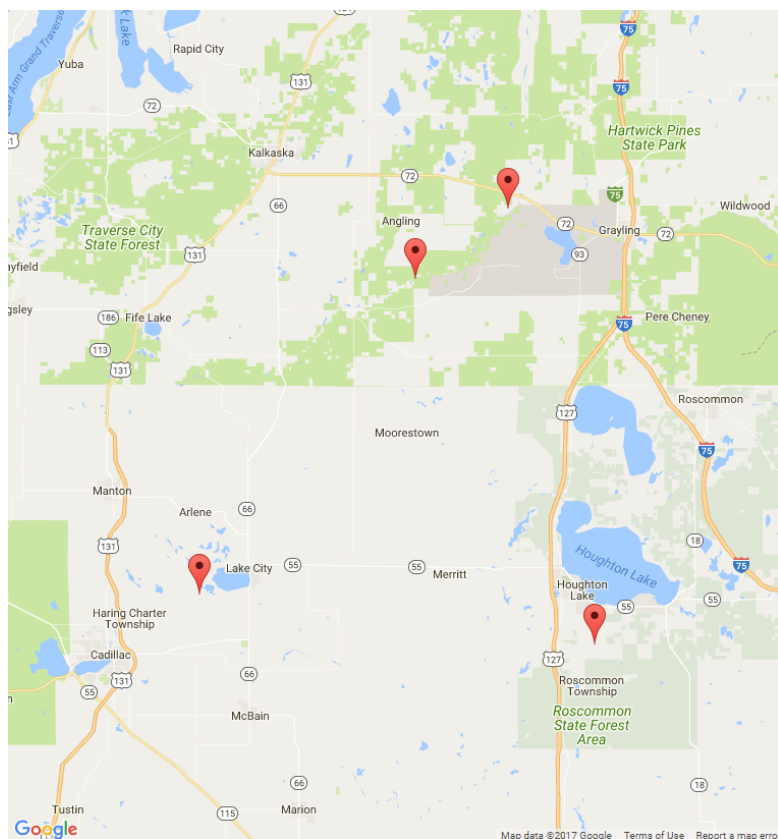
Note: Seatbelt Used includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, and restraint failure.



5-Year Trend - Drivers in Crashes by Hazardous Action

Hazardous Action	2012		2013		2014		2015		2016	
	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes
None	1,841	9	2,053	8	1,860	5	1,858	6	1,649	5
Speed too fast	372	2	494	4	504	5	308	7	415	6
Speed too slow	5	0	2	0	5	0	4	0	0	0
Failed to yield	156	2	164	0	174	2	187	0	175	1
Disregard traffic control	25	1	21	3	23	0	20	0	19	0
Drove wrong way	0	0	4	0	0	0	1	0	1	0
Drove left of center	9	0	11	1	14	1	13	1	20	1
Improper passing	13	0	9	0	15	0	15	0	13	0
Improper lane use	18	0	21	0	19	1	22	0	20	0
Improper turn	12	1	16	0	23	0	20	0	27	0
Improper/no signal	8	0	2	0	4	0	4	0	2	0
Improper backing	33	0	37	0	39	0	39	0	38	0
Unable to stop in assured clear distance	152	0	165	0	176	1	196	1	198	0
Other	87	0	58	1	86	0	71	0	106	1
Unknown	22	0	50	4	33	0	37	0	53	2
Reckless driving	16	0	21	1	20	0	20	0	17	0
Careless/negligent driving	113	1	114	1	94	0	84	1	97	0
Uncoded & errors	27	0	14	0	12	0	17	0	20	2
Total	2,909	16	3,256	23	3,101	15	2,916	16	2,870	18

MSP Post 72 - Houghton Lake (continued)



The picture above represents all 2016 alcohol-involved fatal crashes in Post 72.

In 2016, there were 88 alcohol-involved crashes in Post 72:

- 4 K - Fatal Crashes
- 7 A - Suspected Serious Injury Crashes
- 17 B - Suspected Minor Injury Crashes
- 17 C - Possible Injury Crashes
- 43 O - Property Damage Only/No Injury Crashes

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