



2021

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

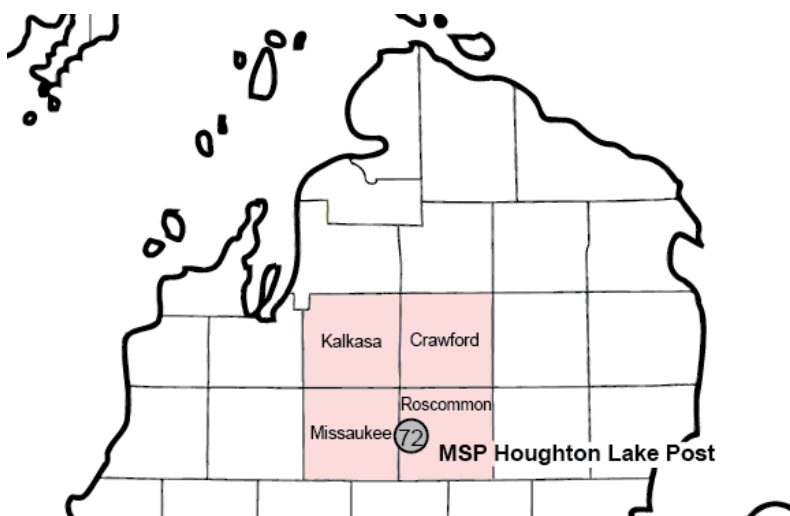
Property Damage Only (PDO)



Michigan State Police (MSP) Post 72 - Houghton Lake

2021 Traffic Crash Data & 2017-2021 5-Year Trends

MSP Post 72 - Houghton Lake 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.

MSP Post 72 - Houghton Lake

- There were 2,540 crashes in Post 72 during 2021. [Page 1]
- A total of 11 fatalities resulted from 10 fatal crashes in 2021 in Post 72. [Page 1]
- There were 535 injuries and 377 injury crashes. [Page 1]
- There were 2,153 property damage only crashes (no fatalities or injuries). [Page 1]
- November had the highest number of crashes (401). [Pages 1-2]
- August and November had the highest number of fatal crashes (3) while November had the highest number of fatalities (4). [Pages 1-2]
- November had the highest number of injury crashes (47) while July had the highest number of injuries (69). [Page 1]
- November had the highest number of property damage only crashes (351). [Page 1]
- Of all vehicles involved in fatal crashes, 0 (0.0%) were motorcycles. [Page 1]
- Friday was the day of the week with the highest number of crashes (437) and Tuesday and Sunday had the highest number of fatal crashes (3). [Pages 2-3]
- The 6:00 PM – 8:59 PM time period had the highest number of crashes (496). This holds true for every year between 2017 and 2021. The Noon – 2:59 PM time period had the highest number of fatal crashes (3). [Pages 5-6]
- During the period from 2017 to 2021, the highest number of deer crashes occurred in 2019 (1,359). The 6:00 PM – 8:59 PM time period consistently had the highest number of deer-involved crashes during the five-year period. There was one fatal crash involving deer in 2021. [Page 7]
- Roscommon County (27.4%) had the highest number of crashes in Post 72 in 2021, followed by Kalkaska County (26.8%), and Missaukee County (23.7%). [Page 11]
- Roscommon County (72.7%) had the highest number of fatalities in Post 72 in 2021, followed by Kalkaska County (18.2%), and Missaukee County (9.1%). [Page 11]
- The highest number of drivers in crashes (3,469) occurred during 2019 and the highest number of drivers coded drinking in crashes (109) occurred during 2019 within the five year period between 2017 and 2021. [Page 12]
- A total of 93 crashes involved alcohol in 2021. [Page 13]
- Alcohol-involved fatal crashes were the highest in 2020 during the five-year period from 2017 to 2021 at 7. [Page 13]
- A total of 37 crashes, 3 fatal crashes, and 6 suspected injury crashes involved drugs in 2021. [Page 14]
- There were 2,913 drivers wearing seatbelts and 32 drivers not wearing seatbelts in crashes in 2021. Of the 32 drivers not wearing seatbelts, 3 (9.4%) were killed and 14 (43.8%) were injured. [Pages 17-19]
- The most common hazardous action coded for drivers in 2021 in all crashes was speed too fast (318), while the most common hazardous action coded for drivers in fatal crashes was speed too fast (5). [Page 20]

2021 - Crashes and Injury by Month

Month	Crashes				People	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	189	0	20	169	0	28
February	159	0	25	134	0	35
March	156	0	25	131	0	35
April	137	1	21	115	1	29
May	185	0	32	153	0	43
June	215	1	34	180	1	51
July	197	0	45	152	0	69
August	176	3	41	132	3	60
September	199	0	16	183	0	22
October	278	2	41	235	2	56
November	401	3	47	351	4	66
December	248	0	30	218	0	41
Total	2,540	10	377	2,153	11	535

2021 - Driver Statistics

Age Group	MSP Post 72 - Houghton Lake			Driver Rates	
	2019 Population*	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	11,673	230	13	11.1	565.2
16 - 20	3,358	2,593	268	798.1	1,033.6
21 - 24	2,521	2,398	246	975.8	1,025.9
25 - 64	35,179	33,174	2,121	602.9	639.4
65 +	18,473	18,765	471	255.0	251.0
Unknown	0	0	81	--	--
Total	71,204	57,160	3,200	449.4	559.8

*2021 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau.

2021 - 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	2,187	68.3	9	81.8	344	1,834
Motor Home	4	0.1	0	0.0	0	4
Pickup Truck	779	24.3	1	9.1	138	640
Small Truck Under 10,000 lbs. GVWR	10	0.3	0	0.0	0	10
Motorcycle	20	0.6	0	0.0	17	3
Moped/Goped	3	0.1	0	0.0	3	0
Go-Cart/Golf Cart	0	0.0	0	0.0	0	0
Snowmobile	13	0.4	0	0.0	8	5
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	36	1.1	0	0.0	25	11
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	14	0.4	0	0.0	0	14
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	109	3.4	1	9.1	26	82
Uncoded & Errors	25	0.8	0	0.0	0	25
Total	3,200	100.0	11	100.0	561	2,628

MSP Post 72 - Houghton Lake (continued)

5-Year Trend - Crashes by Month

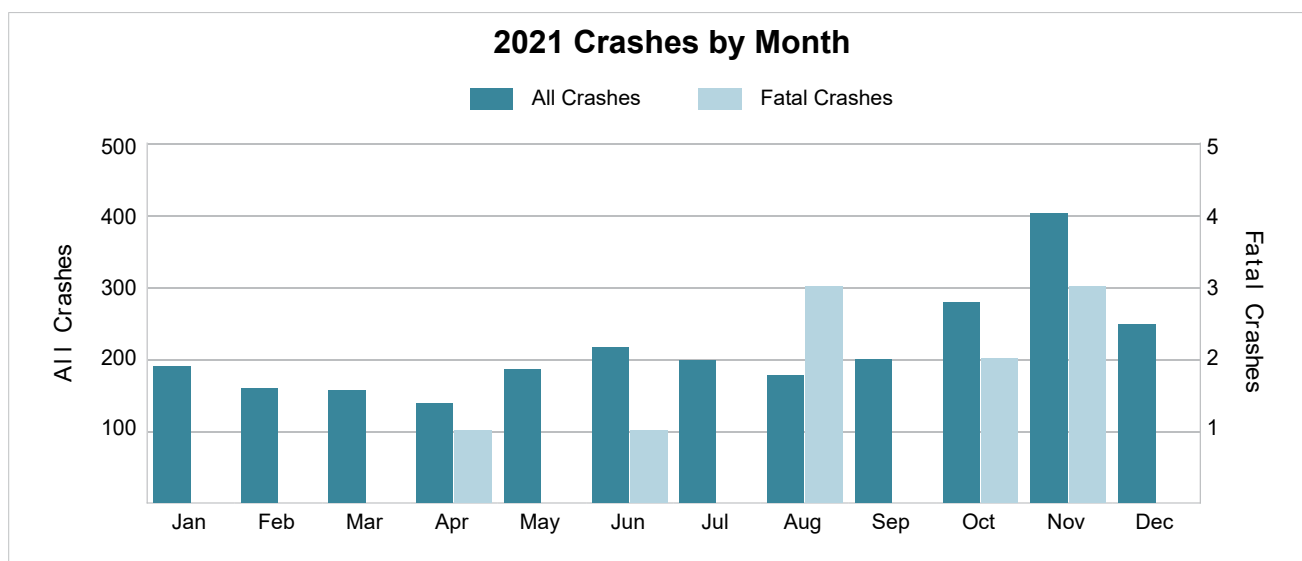
Month	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	212	0	242	0	249	0	225	0	189	0
February	200	1	213	1	189	0	197	0	159	0
March	175	1	196	1	184	0	169	0	156	0
April	147	2	217	2	203	1	89	0	137	1
May	164	0	190	1	165	2	144	3	185	0
June	172	0	213	1	222	2	224	3	215	1
July	183	2	199	0	227	1	199	2	197	0
August	165	1	181	1	203	1	180	1	176	3
September	222	0	182	1	187	2	198	2	199	0
October	248	2	225	1	274	0	288	1	278	2
November	365 †	0	377 †	2	367 †	0	320 †	1	401 †	3
December	281	1	273	0	297	0	184	0	248	0
Total	2,534	10	2,708	11	2,767	9	2,417	13	2,540	10

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	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	322	2	388	2	385	1	322	1	367	0
Tuesday	349	2	403	3	361	0	339	1	368	3
Wednesday	338	0	340	1	385	0	343	3	358	0
Thursday	383	0	431	1	417	1	357	0	341	2
Friday	422 †	1	448 †	0	456 †	0	386 †	3	437 †	1
Saturday	380	4	358	3	388	5	348	4	365	1
Sunday	340	1	340	1	375	2	322	1	304	3
Total	2,534	10	2,708	11	2,767	9	2,417	13	2,540	10

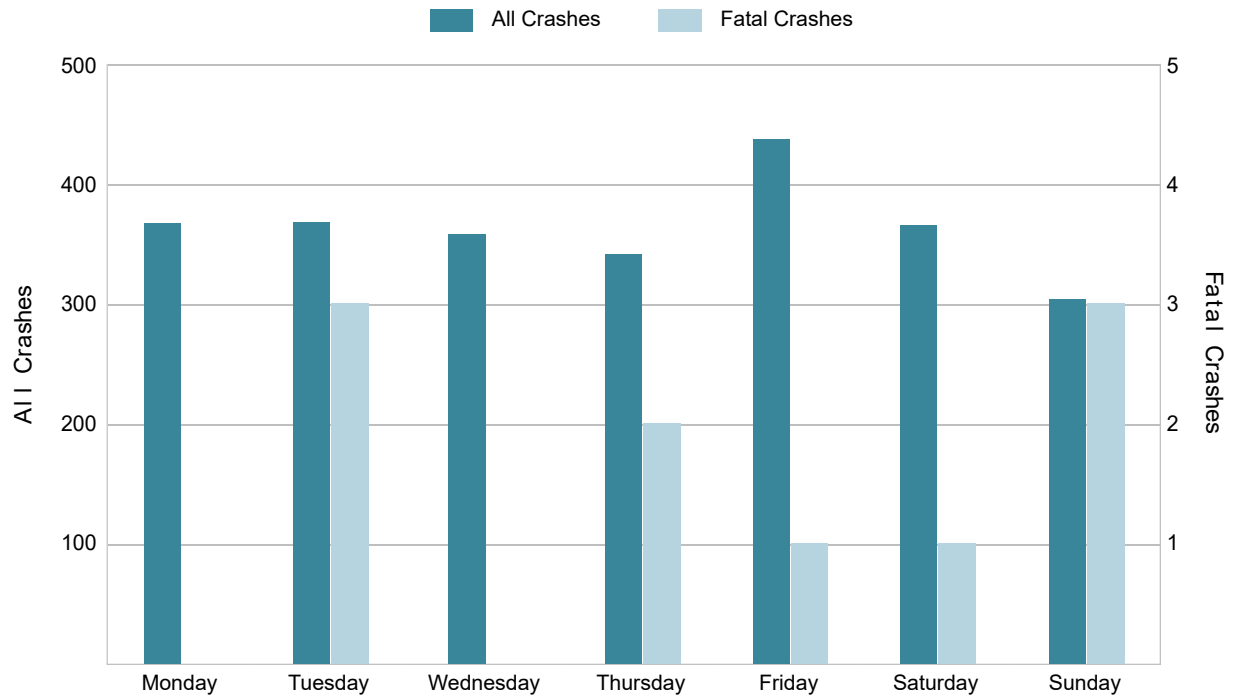
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred on the same day of the week.



2021 - Crashes by Day of Week

Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Fatal	% of Fatal	A	B	C	Number
Monday	367	14.4	0	0.0	9	8	27	323
Tuesday	368	14.5	3	30.0	11	16	27	311
Wednesday	358	14.1	0	0.0	12	18	16	312
Thursday	341	13.4	2	20.0	4	12	16	307
Friday	437	17.2	1	10.0	15	23	34	364
Saturday	365	14.4	1	10.0	18	27	27	292
Sunday	304	12.0	3	30.0	11	17	29	244
Total	2,540	100.0	10	100.0	80	121	176	2,153

2021 Day of Week and Severity

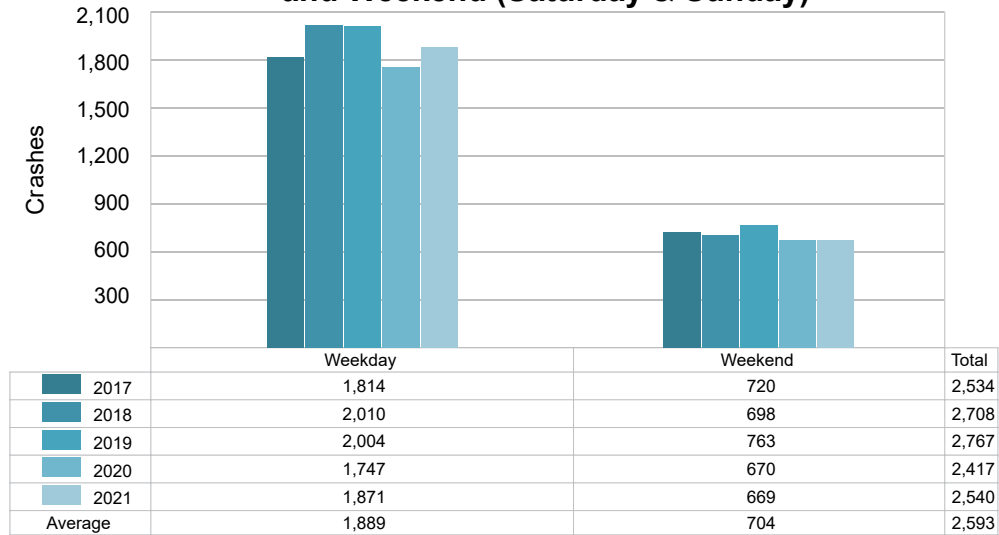


MSP Post 72 - Houghton Lake (continued)

5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	1,814	5	2,010	7	2,004	2	1,747	8	1,871	6
Weekend	720	5	698	4	763	7	670	5	669	4
Total	2,534	10	2,708	11	2,767	9	2,417	13	2,540	10

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

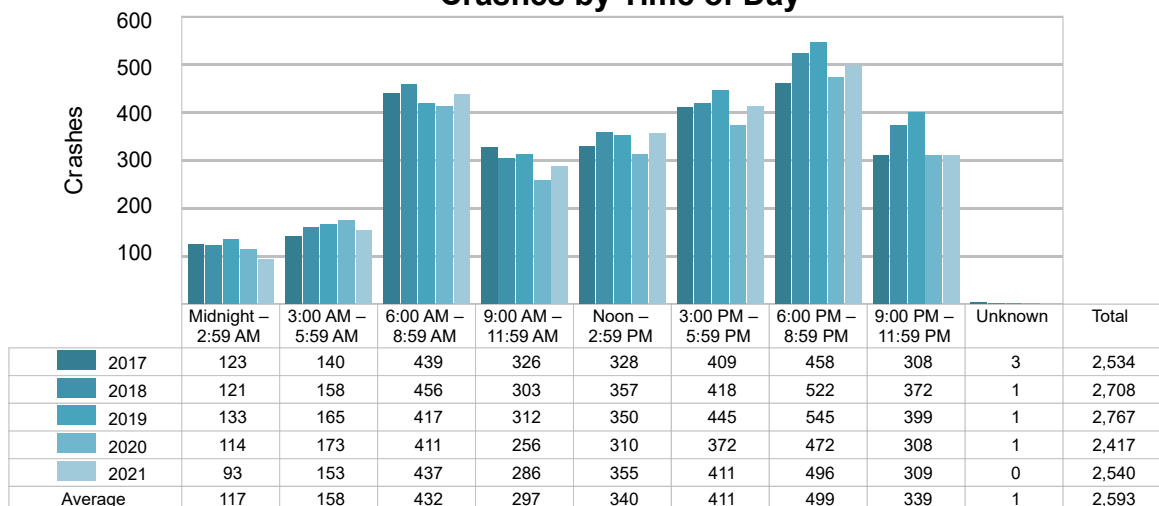


5-Year Trend - Crashes by Time of Day

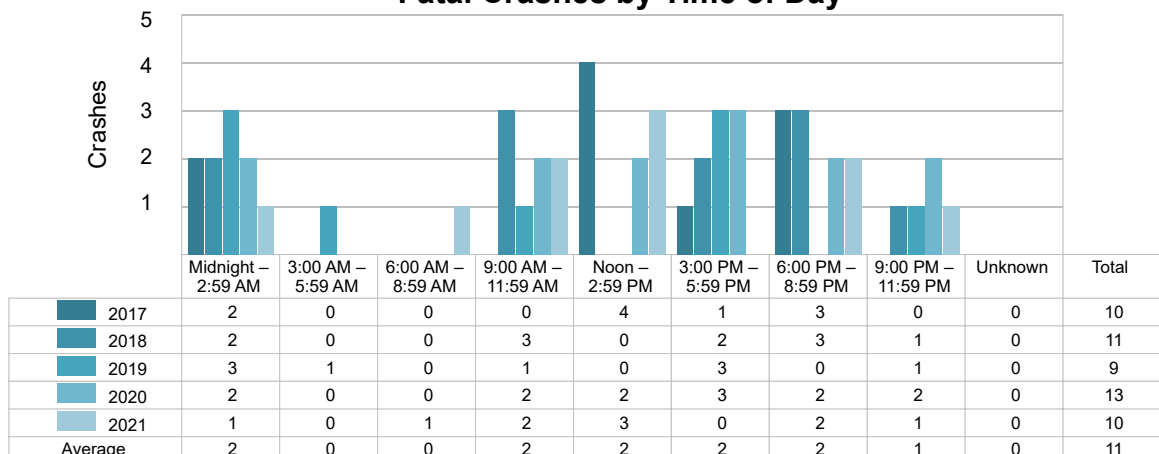
Time of Day	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight – 2:59 AM	123	2	121	2	133	3	114	2	93	1
3:00 AM – 5:59 AM	140	0	158	0	165	1	173	0	153	0
6:00 AM – 8:59 AM	439	0	456	0	417	0	411	0	437	1
9:00 AM – 11:59 AM	326	0	303	3	312	1	256	2	286	2
Noon – 2:59 PM	328	4	357	0	350	0	310	2	355	3
3:00 PM – 5:59 PM	409	1	418	2	445	3	372	3	411	0
6:00 PM – 8:59 PM	458 †	3	522 †	3	545 †	0	472 †	2	496 †	2
9:00 PM – 11:59 PM	308	0	372	1	399	1	308	2	309	1
Unknown	3	0	1	0	1	0	1	0	0	0
Total	2,534	10	2,708	11	2,767	9	2,417	13	2,540	10

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

5-Year Trend Crashes by Time of Day



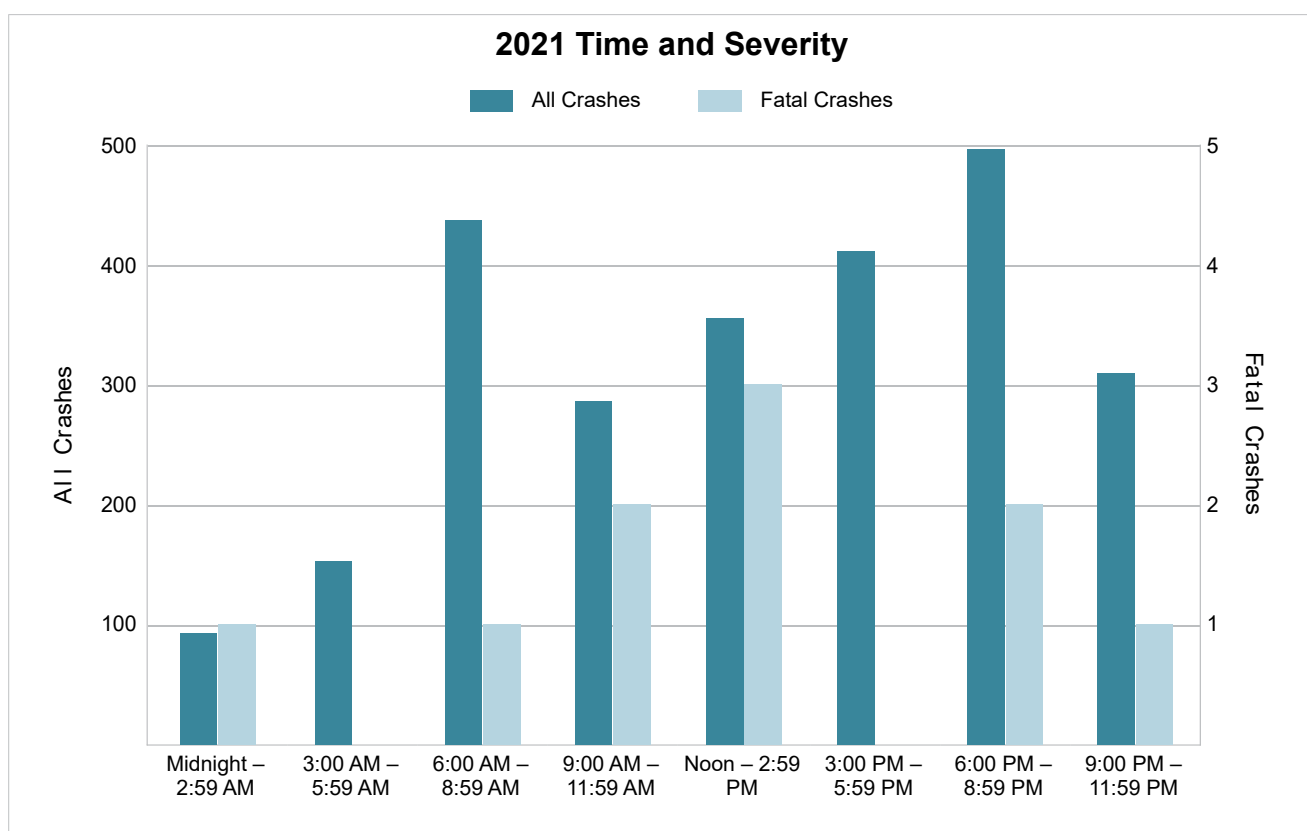
5-Year Trend Fatal Crashes by Time of Day



MSP Post 72 - Houghton Lake (continued)

2021 - Time and Severity

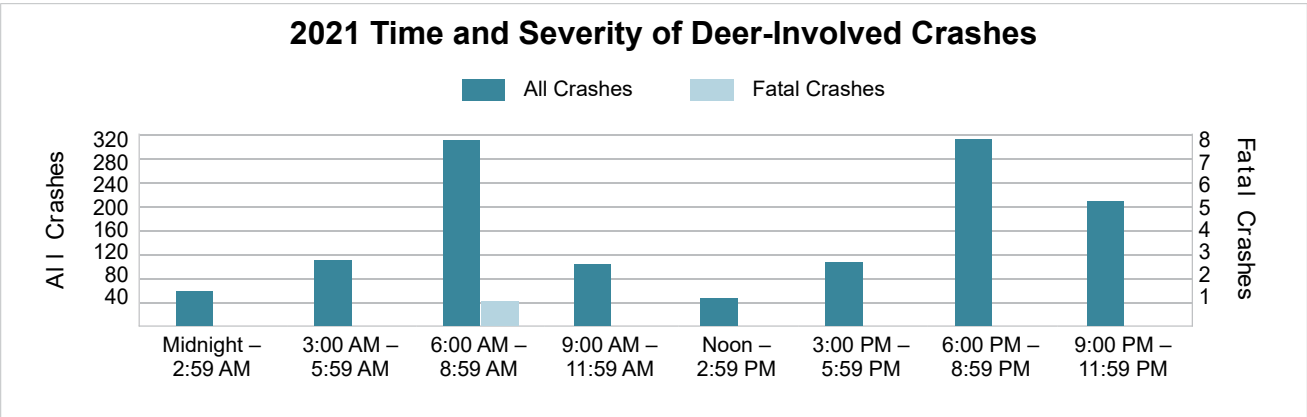
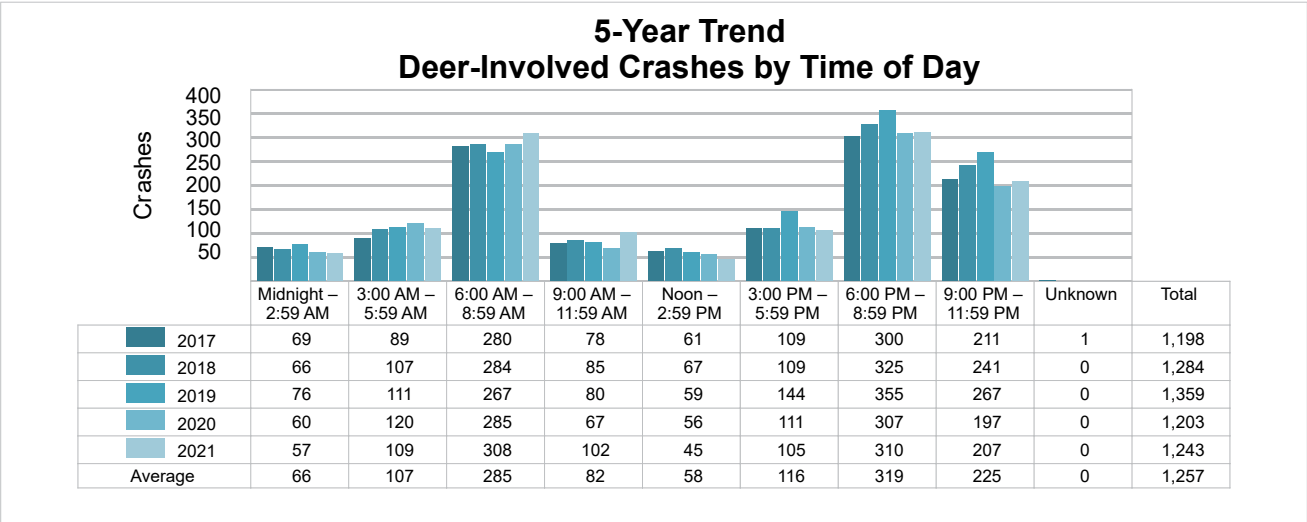
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight – 2:59 AM	93	3.7	1	10.0	3	5	5	79
3:00 AM – 5:59 AM	153	6.0	0	0.0	4	5	10	134
6:00 AM – 8:59 AM	437	17.2	1	10.0	5	10	11	410
9:00 AM – 11:59 AM	286	11.3	2	20.0	9	18	23	234
Noon – 2:59 PM	355	14.0	3	30.0	20	26	40	266
3:00 PM – 5:59 PM	411	16.2	0	0.0	18	22	42	329
6:00 PM – 8:59 PM	496	19.5	2	20.0	15	12	31	436
9:00 PM – 11:59 PM	309	12.2	1	10.0	6	23	14	265
Unknown	0	0.0	0	0.0	0	0	0	0
Total	2,540	100.0	10	100.0	80	121	176	2,153



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

Time of Day	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight – 2:59 AM	69	0	66	0	76	0	60	0	57	0
3:00 AM – 5:59 AM	89	0	107	0	111	0	120	0	109	0
6:00 AM – 8:59 AM	280	0	284	0	267	0	285	0	308	1
9:00 AM – 11:59 AM	78	0	85	0	80	0	67	0	102	0
Noon – 2:59 PM	61	0	67	0	59	0	56	0	45	0
3:00 PM – 5:59 PM	109	0	109	0	144	0	111	0	105	0
6:00 PM – 8:59 PM	300 †	1	325 †	1	355 †	0	307 †	0	310 †	0
9:00 PM – 11:59 PM	211	0	241	1	267	0	197	0	207	0
Unknown	1	0	0	0	0	0	0	0	0	0
Total	1,198	1	1,284	2	1,359	0	1,203	0	1,243	1

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

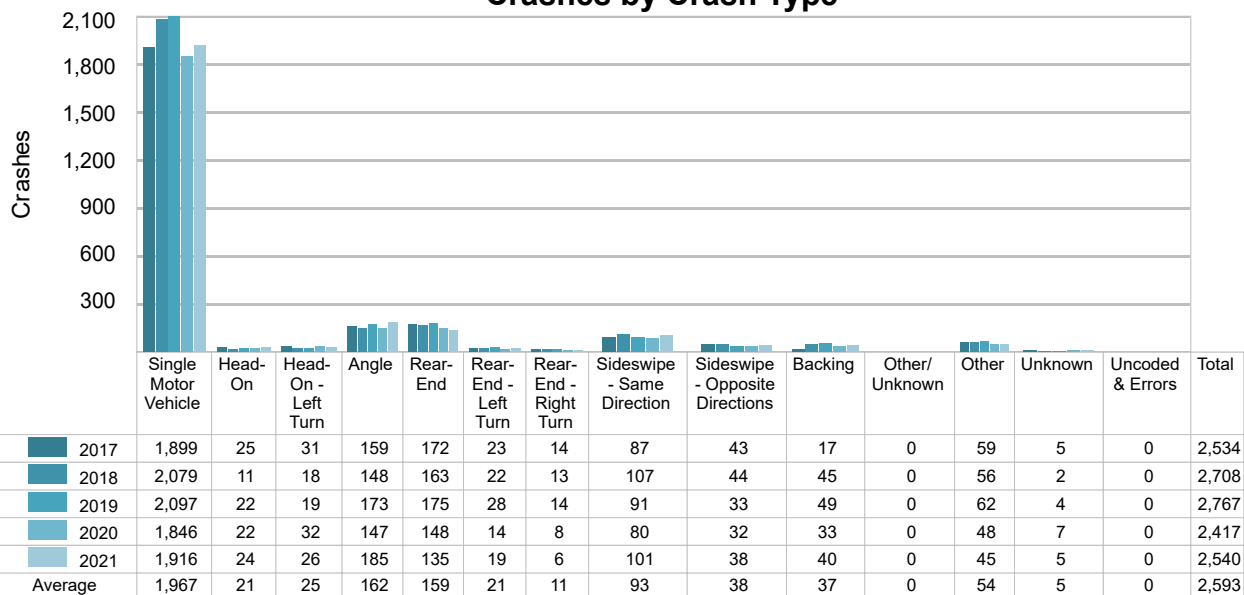


MSP Post 72 - Houghton Lake (continued)

5-Year Trend - Crashes by Crash Type

Crash Type	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Single Motor Vehicle	1,899	7	2,079	5	2,097	6	1,846	9	1,916	9
Head-On	25	0	11	2	22	0	22	0	24	0
Head-On - Left Turn	31	1	18	0	19	1	32	0	26	0
Angle	159	1	148	0	173	2	147	1	185	1
Rear-End	172	1	163	1	175	0	148	1	135	0
Rear-End - Left Turn	23	0	22	0	28	0	14	0	19	0
Rear-End - Right Turn	14	0	13	0	14	0	8	0	6	0
Sideswipe - Same Direction	87	0	107	0	91	0	80	1	101	0
Sideswipe - Opposite Directions	43	0	44	1	33	0	32	1	38	0
Backing	17	0	45	0	49	0	33	0	40	0
Other/Unknown	0	0	0	0	0	0	0	0	0	0
Other	59	0	56	2	62	0	48	0	45	0
Unknown	5	0	2	0	4	0	7	0	5	0
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0
Total	2,534	10	2,708	11	2,767	9	2,417	13	2,540	10

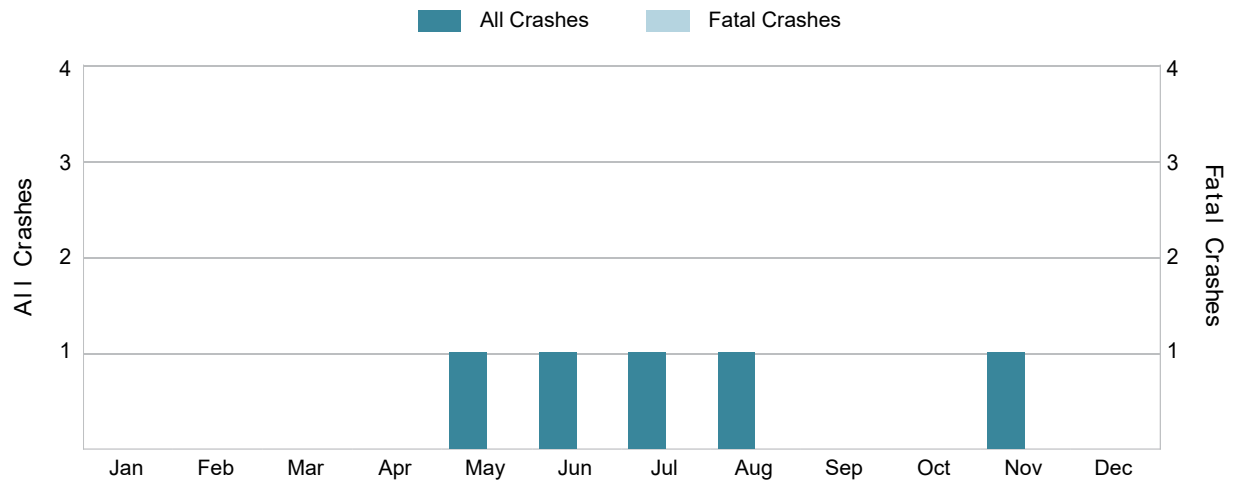
5-Year Trend Crashes by Crash Type



5-Year Trend - Pedestrian-Involved Crashes by Month

Month	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	1	0	0	0	0	0	0	0	0	0
February	1	0	2	0	1	0	3	0	0	0
March	1	0	1	0	0	0	0	0	0	0
April	0	0	1	0	0	0	0	0	0	0
May	0	0	0	0	1	0	1	0	1	0
June	0	0	0	0	2	1	0	0	1	0
July	1	0	0	0	1	0	2	0	1	0
August	4	0	0	0	1	0	0	0	1	0
September	0	0	1	0	0	0	0	0	0	0
October	1	0	0	0	0	0	0	0	0	0
November	0	0	0	0	1	0	0	0	1	0
December	0	0	1	0	1	0	0	0	0	0
Total	9	0	6	0	8	1	6	0	5	0

2021 Pedestrian-Involved Crashes by Month



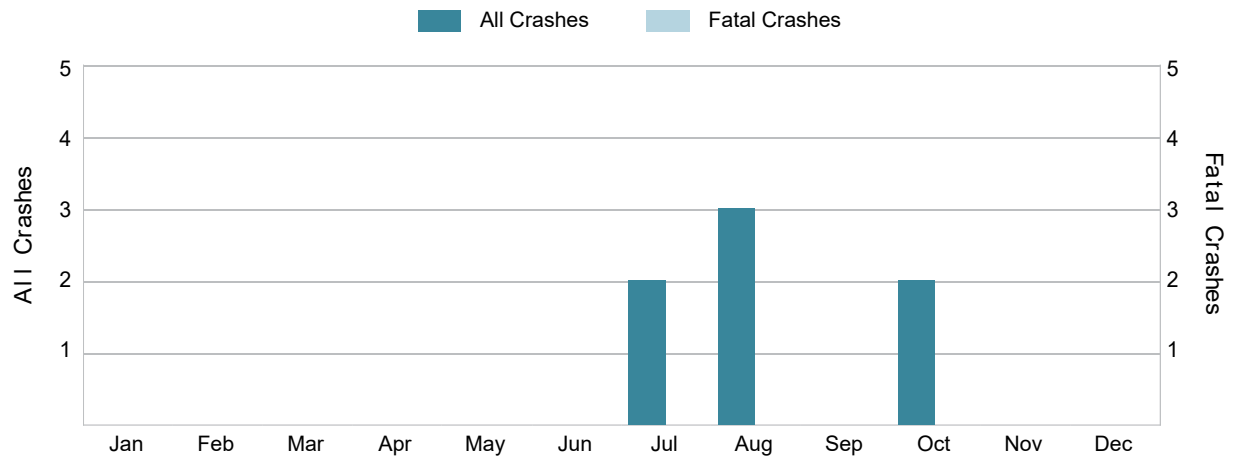
There were no fatal pedestrian-involved crashes in MSP Post 72 - Houghton Lake in 2021.

MSP Post 72 - Houghton Lake (continued)

5-Year Trend - Bicyclist-Involved Crashes by Month

Month	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	0	0
May	1	0	1	0	0	0	0	0	0	0
June	0	0	1	0	1	0	0	0	0	0
July	0	0	1	0	0	0	1	0	2	0
August	1	0	2	0	2	0	2	0	3	0
September	0	0	1	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	2	0
November	0	0	0	0	0	0	1	0	0	0
December	0	0	0	0	0	0	0	0	0	0
Total	2	0	6	0	3	0	4	0	7	0

2021 Bicyclist-Involved Crashes by Month



There were no fatal bicyclist-involved crashes in MSP Post 72 - Houghton Lake in 2021.

2021 - Reported Motor Vehicle Crashes by County

County	Crashes												
	Total	Fatal	Injury	Property Damage	Inter-State	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Pedestrian-Involved	Bicyclist-Involved
Crawford	561	0	85	476	159	18	140	242	25	13	278	0	0
Kalkaska	681	2	112	567	0	156	153	371	25	11	295	3	3
Missaukee	602	1	55	546	0	0	208	394	18	2	380	2	0
Roscommon	696	7	125	564	97	98	209	290	25	11	290	0	4
Total	2,540	10	377	2,153	256	272	710	1,297	93	37	1,243	5	7

2021 - People in Reported Motor Vehicle Crashes by County

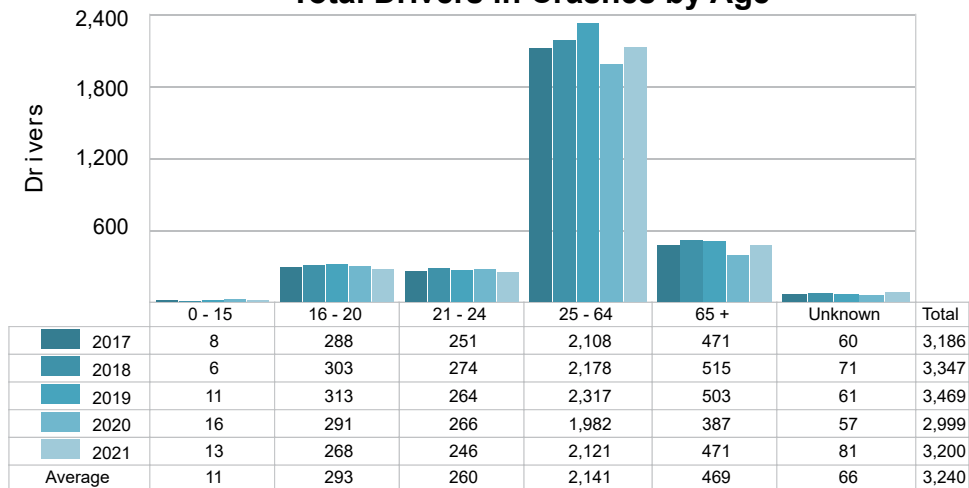
County	People					
	Fatalities	Suspected Serious Injuries	Suspected Minor Injuries	Possible Injuries	No Injuries	Uncoded & Errors
Crawford	0	42	63	67	762	26
Kalkaska	2	48	66	128	894	19
Missaukee	1	25	52	36	713	12
Roscommon	8	56	85	150	969	28
Total	11	171	266	381	3,338	85

MSP Post 72 - Houghton Lake (continued)

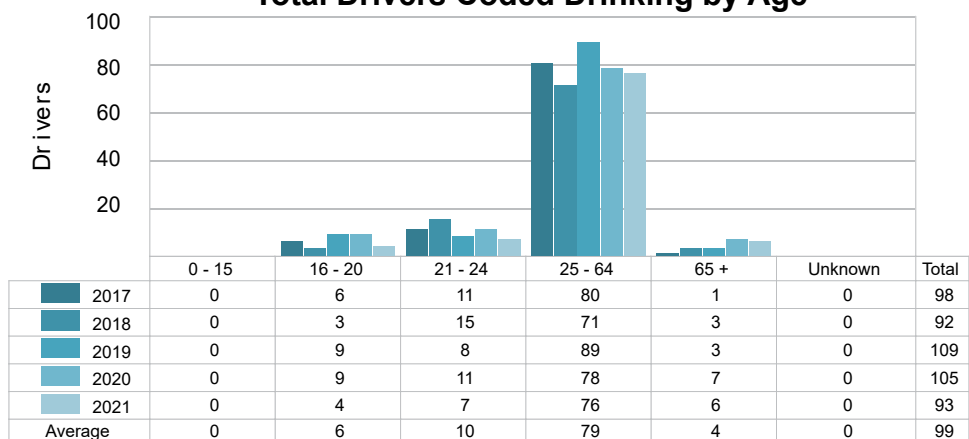
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2017		2018		2019		2020		2021	
	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	8	0	6	0	11	0	16	0	13	0
16 - 20	288	6	303	3	313	9	291	9	268	4
21 - 24	251	11	274	15	264	8	266	11	246	7
25 - 64	2,108	80	2,178	71	2,317	89	1,982	78	2,121	76
65 +	471	1	515	3	503	3	387	7	471	6
Unknown	60	0	71	0	61	0	57	0	81	0
Total	3,186	98	3,347	92	3,469	109	2,999	105	3,200	93

5-Year Trend Total Drivers in Crashes by Age



5-Year Trend Total Drivers Coded Drinking by Age



2021 - 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	4	5	3	4	0	3	0	0	1
21 - 24	8	6	4	7	0	0	1	1	5
25 - 64	87	80	59	76	0	8	19	29	20
65 +	8	9	6	6	0	0	2	4	0
Unknown	2	0	0	0	0	0	0	0	0
Total	109	100	72	93	0	11	22	34	26

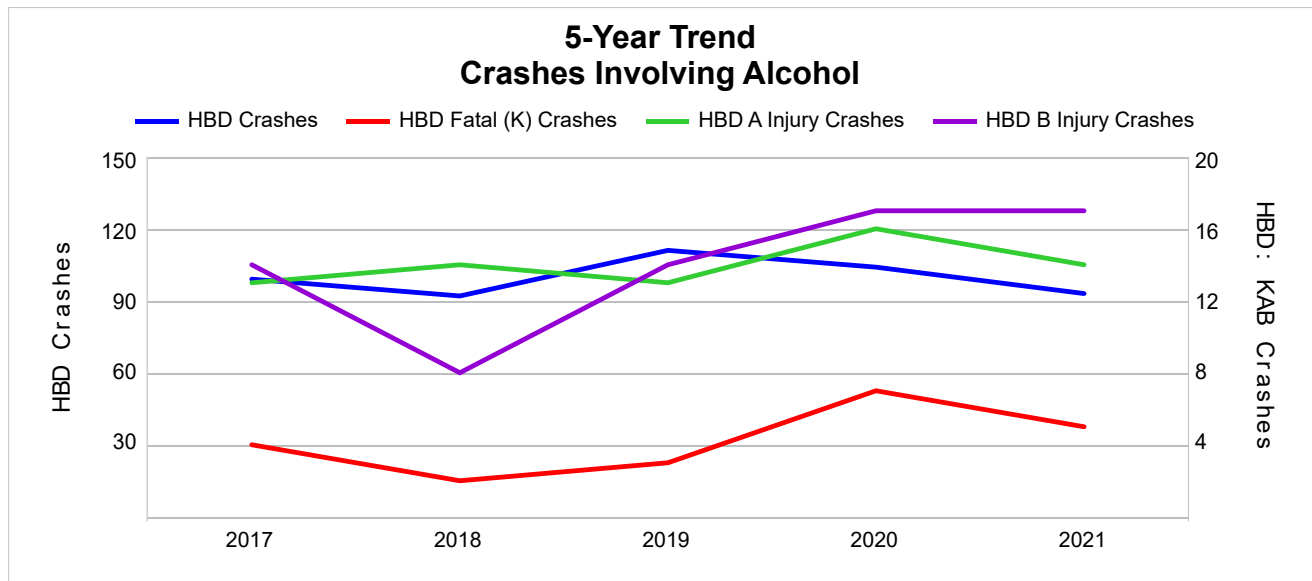
Notes: BAC measured in grams (g) per deciliter (dL).

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.

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
2017	2,534	99	3.9	10	4	40.0	75	13	17.3	107	14	13.1
2018	2,708	92	3.4	11	2	18.2	83	14	16.9	123	8	6.5
2019	2,767	111	4.0	9	3	33.3	64	13	20.3	107	14	13.1
2020	2,417	104	4.3	13	7	53.8	74	16	21.6	108	17	15.7
2021	2,540	93	3.7	10	5	50.0	80	14	17.5	121	17	14.0



Note: Had-Been-Drinking (HBD)

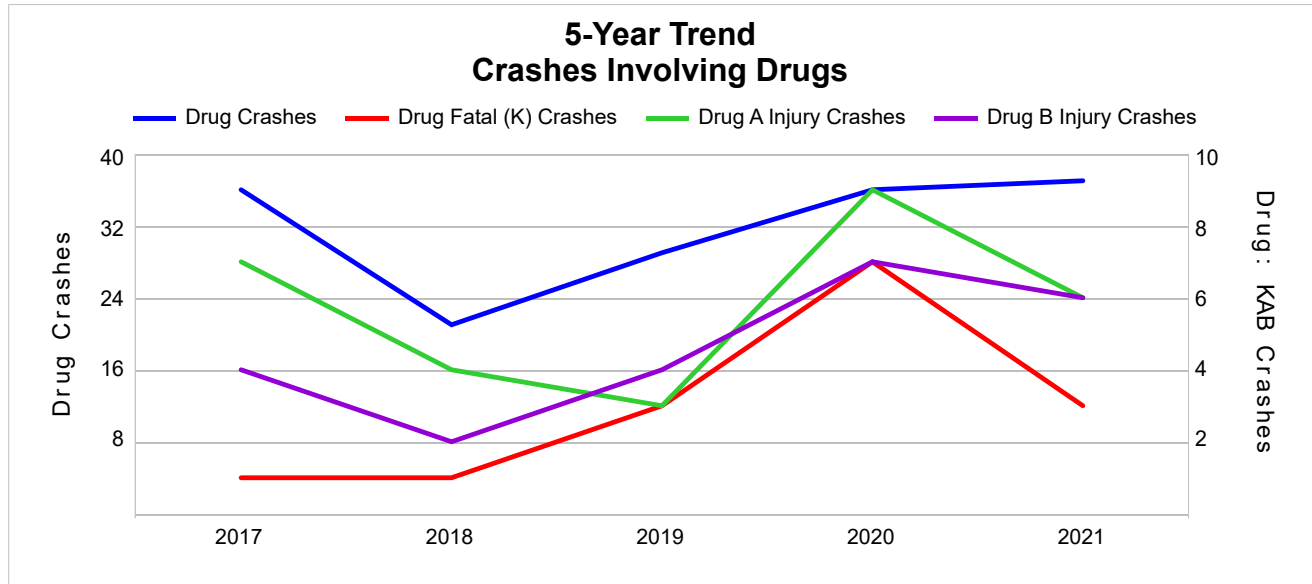
MSP Post 72 - Houghton Lake (continued)

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
2017	2,534	36	1.4	10	1	10.0	75	7	9.3	107	4	3.7
2018	2,708	21	0.8	11	1	9.1	83	4	4.8	123	2	1.6
2019	2,767	29	1.0	9	3	33.3	64	3	4.7	107	4	3.7
2020	2,417	36	1.5	13	7	53.8	74	9	12.2	108	7	6.5
2021	2,540	37 **	1.5	10	3	30.0	80	6	7.5	121	6	5.0

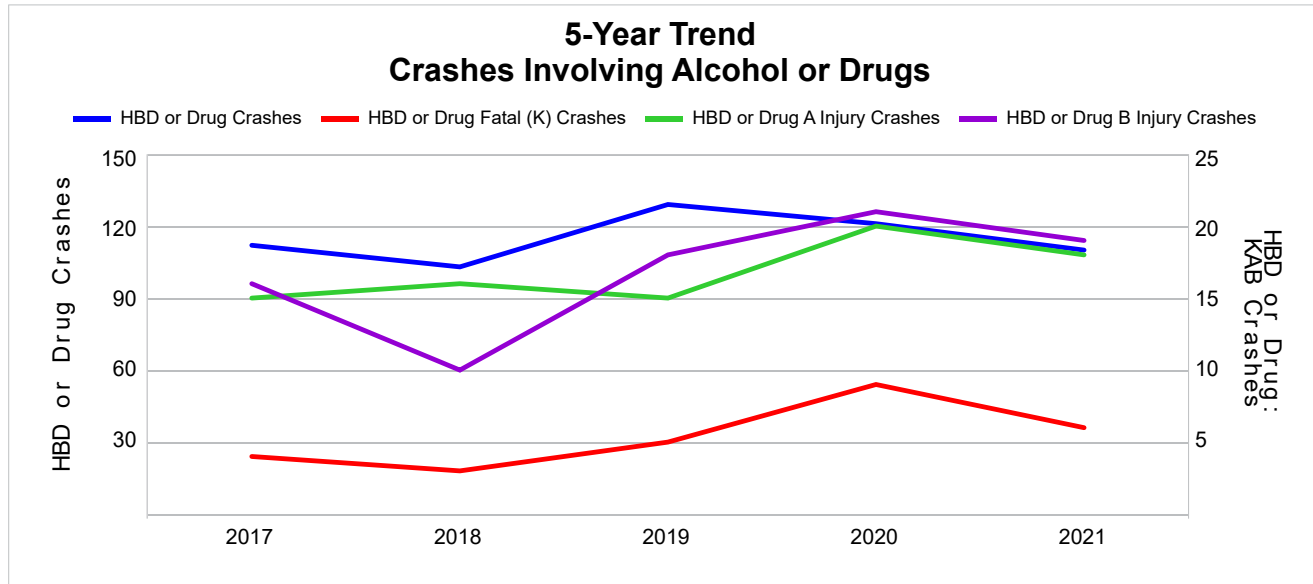
Note: * Indicates that the most recent year is the lowest number or percentage reported in the 5-year period in that column.

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



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
2017	2,534	112	4.4	10	4	40.0	75	15	20.0	107	16	15.0
2018	2,708	103	3.8	11	3	27.3	83	16	19.3	123	10	8.1
2019	2,767	129	4.7	9	5	55.6	64	15	23.4	107	18	16.8
2020	2,417	121	5.0	13	9	69.2	74	20	27.0	108	21	19.4
2021	2,540	110	4.3	10	6	60.0	80	18	22.5	121	19	15.7



Note: Had-Been-Drinking (HBD)

MSP Post 72 - Houghton Lake (continued)

2021 - 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	2,296	2,149	93.6	10	4	40.0	51	40	78.4	103	93	90.3	200	185	92.5	1,892	1,827	96.6
Motor Home	4	4	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0
Pickup Truck	804	737	91.7	1	1	100.0	23	13	56.5	34	27	79.4	53	53	100.0	678	643	94.8
Small Truck Under 10,000 lbs. GVWR	10	10	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	10	10	100.0
Motorcycle	22	12	54.5	0	0	0.0	6	4	66.7	10	4	40.0	3	2	66.7	3	2	66.7
Moped/Goped	3	2	66.7	0	0	0.0	1	1	100.0	1	1	100.0	1	0	0.0	0	0	0.0
Go-Cart/Golf Cart	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Snowmobile	13	12	92.3	0	0	0.0	5	4	80.0	1	1	100.0	2	2	100.0	5	5	100.0
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	39	23	59.0	0	0	0.0	12	5	41.7	8	6	75.0	3	2	66.7	15	10	66.7
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	14	10	71.4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	12	10	83.3
Truck/Bus (over 10,000 lbs. GVWR/ 8+ occupants/ hazmat placard)	110	104	94.5	0	0	0.0	3	1	33.3	1	1	100.0	4	4	100.0	100	98	98.0
Uncoded & Errors	25	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	3,340	3,063	91.7	11	5	45.5	101	68	67.3	158	133	84.2	266	248	93.2	2,719	2,609	96.0

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.

2021 - 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	39	29	74.4	1	1	100.0	6	3	50.0	11	7	63.6	17	14	82.4	4	4	100.0
16 - 20	285	268	94.0	2	1	50.0	12	7	58.3	17	15	88.2	25	22	88.0	228	223	97.8
21 - 24	263	242	92.0	1	0	0.0	12	4	33.3	13	11	84.6	29	27	93.1	208	200	96.2
25 - 64	2,177	2,048	94.1	5	1	20.0	54	38	70.4	89	76	85.4	151	144	95.4	1,874	1,789	95.5
65 +	495	476	96.2	2	2	100.0	17	16	94.1	28	24	85.7	44	41	93.2	403	393	97.5
Unknown	81	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0
Total	3,340	3,063	91.7	11	5	45.5	101	68	67.3	158	133	84.2	266	248	93.2	2,719	2,609	96.0

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.

5-Year Trend - Restraint Use Among Drivers

Restraint Use	2017			2018			2019			2020			2021		
	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	23	0	11	5	0	0	8	0	1	6	0	1	6	0	2
Shoulder Belt Only Used	8	0	2	27	0	4	11	0	3	14	0	5	9	0	2
Lap Belt Only Used	3	0	0	5	1	2	4	1	2	3	0	0	9	0	1
Both Lap & Shoulder Belt Used	2,916	2	282	3,055	3	329	3,214	0	294	2,714	1	250	2,895	4	305
No Belts Used	26	3	12	22	0	11	21	3	8	24	4	13	26	3	12
Child Restraint Used - Forward Facing	2	0	0	1	0	0	1	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
Child Restraint Used - Rear Facing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Used - Booster Seat	1	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	147	0	13	153	0	9	155	1	14	162	2	12	194	0	22
Helmet Worn	38	1	28	36	3	26	27	1	18	48	1	34	38	0	30
Helmet Not Worn	8	1	6	17	0	14	11	0	10	20	3	15	17	0	15
Helmet Use Unknown	1	0	0	4	0	1	9	0	3	6	1	4	0	0	0
Uncoded & Errors	13	0	0	22	0	0	8	0	0	2	0	0	6	0	0
Total	3,186	7	354	3,347	7	396	3,469	6	353	2,999	12	334	3,200	7	389

5-Year Trend - Restraint Use Among Drivers Coded Drinking

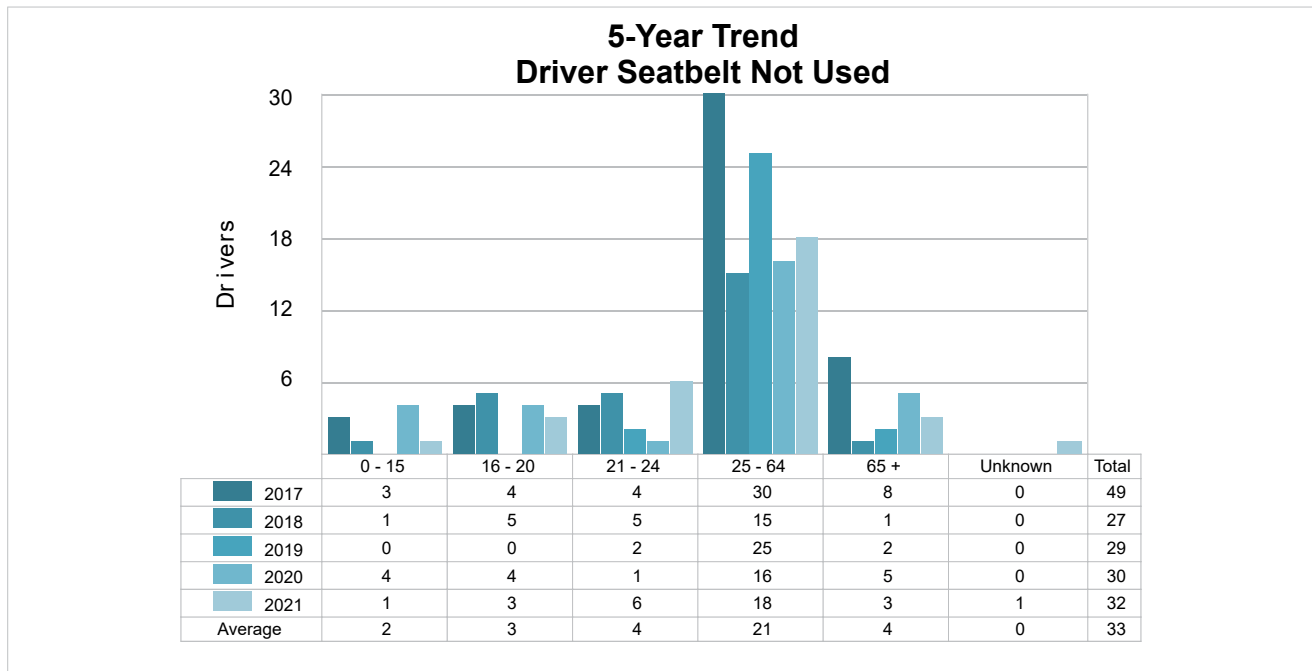
Restraint Use	2017			2018			2019			2020			2021		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No Belts Available	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Shoulder Belt Only Used	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
Lap Belt Only Used	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Both Lap & Shoulder Belt Used	60	1	16	62	0	16	62	0	23	58	0	22	59	1	30
No Belts Used	7	2	4	6	0	4	7	1	3	11	3	6	3	1	1
Child Restraint Used - Forward Facing	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
Child Restraint Used - Rear Facing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Used - Booster Seat	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	23	0	5	15	0	3	31	0	7	23	1	7	20	0	8
Helmet Worn	3	1	2	2	1	1	3	0	3	3	0	2	5	0	2
Helmet Not Worn	2	0	1	4	0	3	3	0	3	9	3	5	5	0	5
Helmet Use Unknown	1	0	0	1	0	1	2	0	1	1	0	1	0	0	0
Uncoded & Errors	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Total	98	4	30	92	1	28	109	1	41	105	7	43	93	2	46

MSP Post 72 - Houghton Lake (continued)

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

Age Group	2017			2018			2019			2020			2021		
	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	3	0	3	1	0	0	0	0	0	4	0	3	1	0	1
16 - 20	4	1	3	5	0	4	0	0	0	4	1	1	3	0	3
21 - 24	4	1	1	5	0	4	2	0	0	1	0	1	6	0	4
25 - 64	30	1	13	15	0	3	25	3	8	16	1	7	18	3	5
65 +	8	0	3	1	0	0	2	0	1	5	2	2	3	0	1
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Total	49	3	23	27	0	11	29	3	9	30	4	14	32	3	14

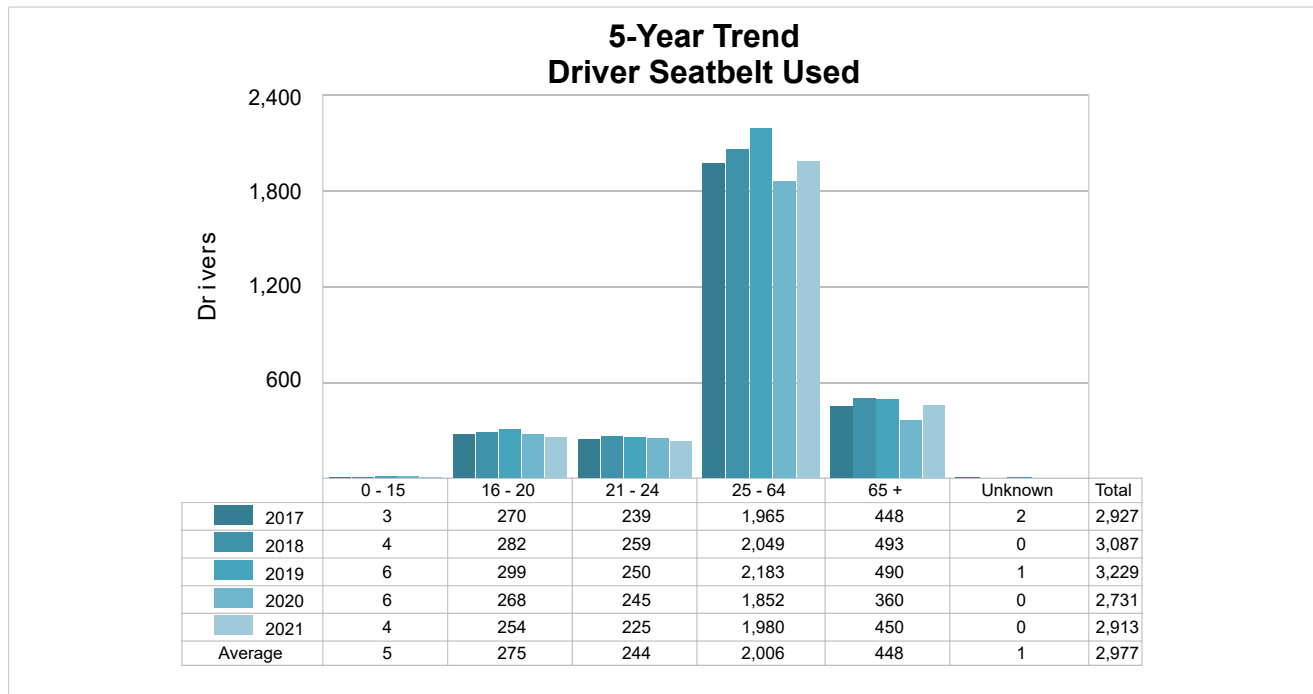
Note: Seatbelt Not Used includes no belts available or no belts used.



5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2017			2018			2019			2020			2021		
	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	3	0	0	4	0	2	6	0	2	6	0	0	4	0	0
16 - 20	270	0	38	282	1	56	299	0	35	268	0	24	254	1	31
21 - 24	239	0	23	259	0	30	250	0	29	245	0	27	225	0	25
25 - 64	1,965	2	175	2,049	2	186	2,183	0	178	1,852	1	159	1,980	1	197
65 +	448	0	48	493	1	61	490	1	55	360	0	45	450	2	55
Unknown	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Total	2,927	2	284	3,087	4	335	3,229	1	299	2,731	1	255	2,913	4	308

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



MSP Post 72 - Houghton Lake (continued)

5-Year Trend - Drivers in Crashes by Hazardous Action

Hazardous Action	2017		2018		2019		2020		2021	
	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	1,956	4	2,080	8	2,182	4	1,909	4	2,021	2
Speed Too Fast	396	4	452	1	420	3	317	5	318	5
Speed Too Slow	4	0	2	0	2	0	5	0	1	0
Failed to Yield	161	1	162	1	178	2	166	1	191	1
Disregard Traffic Control	22	0	25	0	25	1	31	0	28	0
Drove Wrong Way	1	0	0	0	0	0	0	0	1	0
Drove Left of Center	22	0	11	1	21	0	11	1	18	0
Improper Passing	11	0	19	0	19	0	21	0	25	0
Improper Lane Use	30	0	29	0	27	0	23	0	28	0
Improper Turn	21	0	16	0	25	0	21	0	25	0
Improper/No Signal	4	0	2	0	8	0	4	0	6	0
Improper Backing	33	0	51	0	49	0	37	0	40	0
Unable to Stop in Assured Clear Distance	188	2	180	0	206	1	155	0	158	0
Other	104	0	95	1	103	0	80	2	114	1
Unknown	91	1	82	3	95	1	111	2	115	2
Reckless Driving	20	0	22	0	19	0	20	0	13	0
Careless/Negligent Driving	104	1	104	1	85	0	88	3	98	0
Uncoded & Errors	18	0	15	1	5	0	0	0	0	0
Total	3,186	13	3,347	17	3,469	12	2,999	18	3,200	11

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