



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

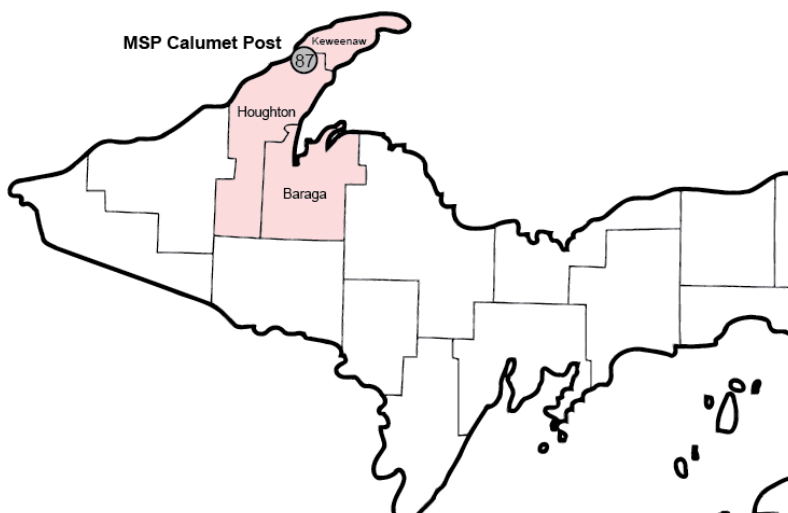
Property Damage Only (PDO)



Michigan State Police (MSP) Post 87 - Calumet

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

MSP Post 87 - Calumet is comprised of Baraga, Houghton and Keweenaw 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 87 - Calumet

- There were 1,222 crashes in Post 87 during 2021. [Page 1]
- A total of 9 fatalities resulted from 9 fatal crashes in 2021 in Post 87. [Page 1]
- There were 226 injuries and 166 injury crashes. [Page 1]
- There were 1,047 property damage only crashes (no fatalities or injuries). [Page 1]
- November had the highest number of crashes (166). [Pages 1-2]
- February and June had the highest number of fatal crashes (2) and fatalities (2). [Pages 1-2]
- February had the highest number of injury crashes (28) and injuries (41). [Page 1]
- November had the highest number of property damage only crashes (148). [Page 1]
- Of all vehicles involved in fatal crashes, 0 (0.0%) were motorcycles. [Page 1]
- Wednesday was the day of the week with the highest number of crashes (193) and Friday 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 (284). This holds true for every year between 2017 and 2021. The 9:00 AM – 11:59 AM, 3:00 PM – 5:59 PM, 6:00 PM – 8:59 PM, and 9:00 PM – 11:59 PM time periods had the highest number of fatal crashes (2). [Pages 5-6]
- During the period from 2017 to 2021, the highest number of deer crashes occurred in 2017 (526). The 6:00 PM – 8:59 PM time period consistently had the highest number of deer-involved crashes during the five-year period. There were 0 fatal crashes involving deer in 2021. [Page 7]
- Houghton County (72.4%) had the highest number of crashes in Post 87 in 2021, followed by Baraga County (22.1%), and Keweenaw County (5.5%). [Page 11]
- Houghton County (77.8%) had the highest number of fatalities in Post 87 in 2021, followed by Baraga County (22.2%). [Page 11]
- The highest number of drivers in crashes (2,062) occurred during 2017 and the highest number of drivers coded drinking in crashes (63) occurred during 2017 within the five year period between 2017 and 2021. [Page 12]
- A total of 44 crashes involved alcohol in 2021. [Page 13]
- Alcohol-involved fatal crashes were the highest in 2018, 2019, 2020, and 2021 during the five-year period from 2017 to 2021 at 2. [Page 13]
- A total of 18 crashes, 3 fatal crashes, and 0 suspected injury crashes involved drugs in 2021. [Page 14]
- There were 1,579 drivers wearing seatbelts and 23 drivers not wearing seatbelts in crashes in 2021. Of the 23 drivers not wearing seatbelts, 6 (26.1%) were killed and 8 (34.8%) were injured. [Pages 17-19]
- The most common hazardous action coded for drivers in 2021 in all crashes was unable to stop in assured clear distance (143), while the most common hazardous action coded for drivers in fatal crashes was failed to yield (3). [Page 20]

2021 - Crashes and Injury by Month

Month	Crashes				People	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	67	0	7	60	0	7
February	151	2	28	121	2	41
March	70	1	11	58	1	14
April	64	0	9	55	0	10
May	52	1	4	47	1	6
June	104	2	13	89	2	15
July	92	0	11	81	0	14
August	91	1	14	76	1	23
September	112	0	24	88	0	33
October	110	1	9	100	1	16
November	166	1	17	148	1	20
December	143	0	19	124	0	27
Total	1,222	9	166	1,047	9	226

2021 - Driver Statistics

Age Group	MSP Post 87 - Calumet			Driver Rates	
	2019 Population*	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	7,893	193	4	5.1	207.3
16 - 20	4,928	2,128	276	560.1	1,297.0
21 - 24	4,490	2,009	191	425.4	950.7
25 - 64	19,633	18,117	941	479.3	519.4
65 +	9,065	8,957	262	289.0	292.5
Unknown	0	0	99	--	--
Total	46,009	31,404	1,773	385.4	564.6

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

2021 - Vehicles in Crashes

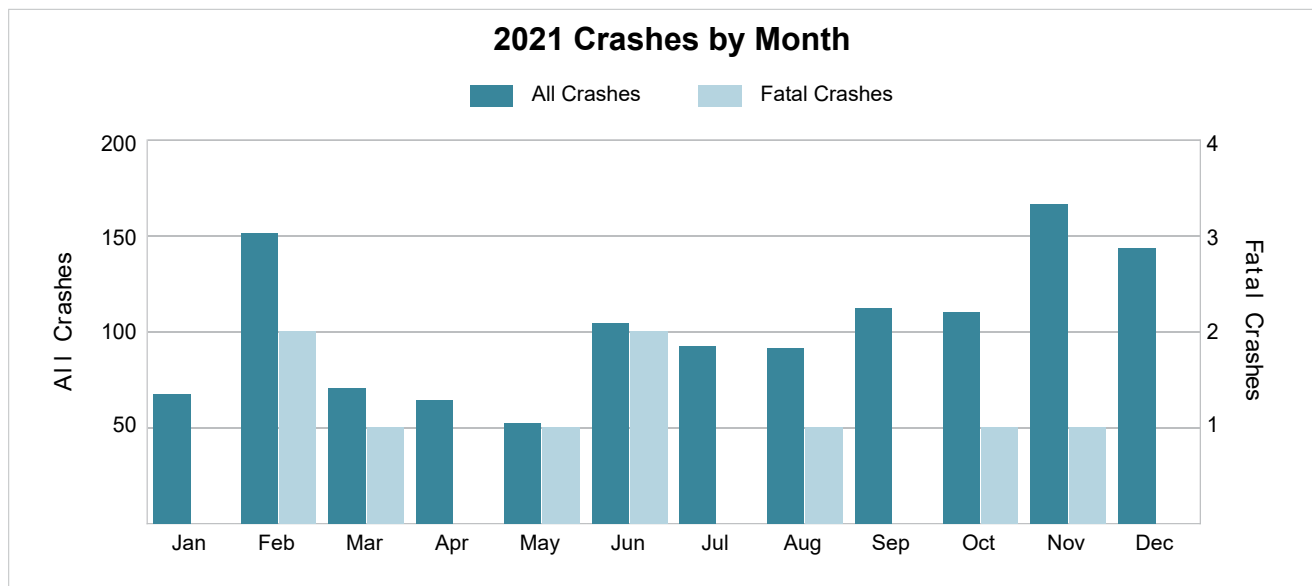
Vehicle Type	Motor Vehicles		Fatal Crashes		Injury Crashes	PDO Crashes
	Number of Vehicles	% of Total	Number	% of Total	Number	Number
Passenger Car, SUV, Van	1,240	69.9	9	56.3	188	1,043
Motor Home	6	0.3	0	0.0	0	6
Pickup Truck	398	22.4	4	25.0	60	334
Small Truck Under 10,000 lbs. GVWR	15	0.8	0	0.0	1	14
Motorcycle	13	0.7	0	0.0	10	3
Moped/Goped	0	0.0	0	0.0	0	0
Go-Cart/Golf Cart	0	0.0	0	0.0	0	0
Snowmobile	9	0.5	1	6.3	6	2
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	9	0.5	1	6.3	6	2
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	11	0.6	0	0.0	1	10
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	44	2.5	1	6.3	5	38
Uncoded & Errors	28	1.6	0	0.0	1	27
Total	1,773	100.0	16	100.0	278	1,479

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	146	1	170	0	150	0	115	0	67	0
February	127	0	118	1	133	1	91	0	151	2
March	81	0	67	0	82	0	68	0	70	1
April	94	1	78	0	67	0	40	0	64	0
May	70	0	71	0	76	0	49	0	52	1
June	103	0	89	0	78	1	64	0	104	2
July	90	0	83	0	92	2	72	2	92	0
August	89	0	73	1	74	1	86	1	91	1
September	102	0	98	1	90	0	83	0	112	0
October	162	0	130	1	103	1	119	0	110	1
November	164	0	160	1	147	0	105	1	166	1
December	210	0	117	1	122	0	79	0	143	0
Total	1,438	2	1,254	6	1,214	6	971	4	1,222	9

5-Year Trend - Crashes by Day of Week

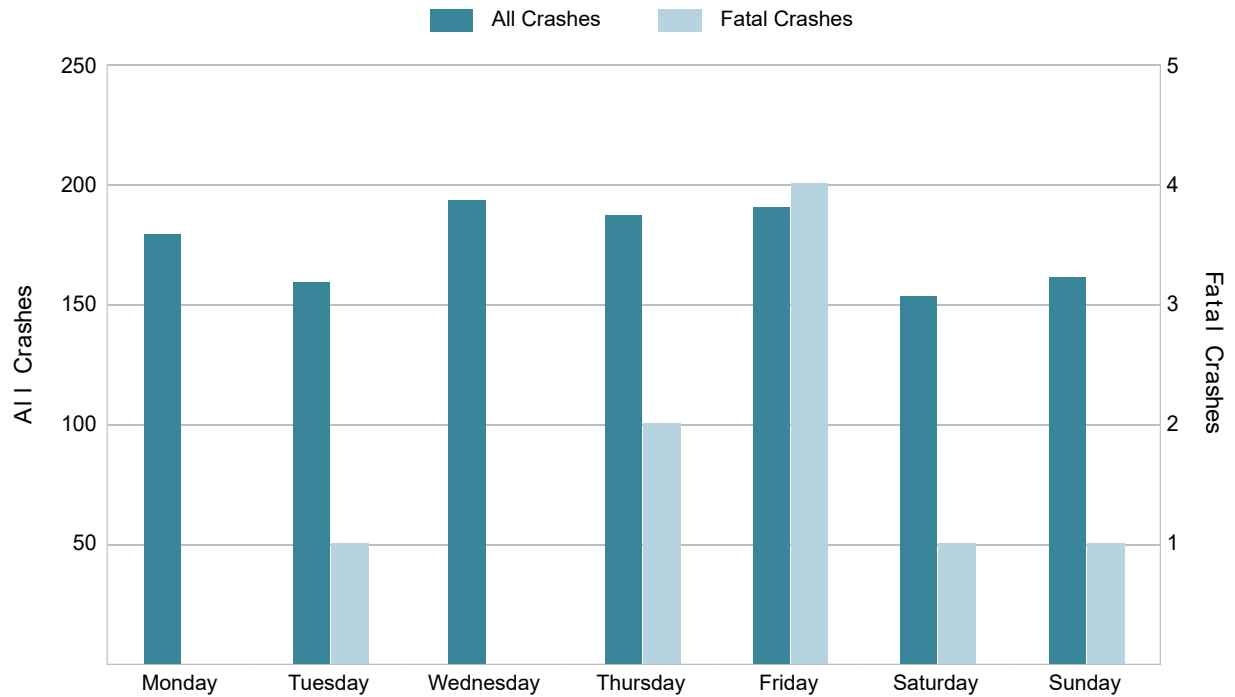
Day	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	177	1	158	0	165	1	143	0	179	0
Tuesday	188	0	164	0	193	1	129	0	159	1
Wednesday	212	0	225	2	178	0	117	0	193	0
Thursday	228	0	189	1	162	2	162	0	187	2
Friday	220	1	231	2	181	1	171	2	190	4
Saturday	214	0	157	1	185	1	128	1	153	1
Sunday	199	0	130	0	150	0	121	1	161	1
Total	1,438	2	1,254	6	1,214	6	971	4	1,222	9



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	179	14.6	0	0.0	3	4	7	165
Tuesday	159	13.0	1	11.1	5	8	12	133
Wednesday	193	15.8	0	0.0	3	9	11	170
Thursday	187	15.3	2	22.2	4	12	15	154
Friday	190	15.5	4	44.4	6	13	10	157
Saturday	153	12.5	1	11.1	0	8	10	134
Sunday	161	13.2	1	11.1	2	11	13	134
Total	1,222	100.0	9	100.0	23	65	78	1,047

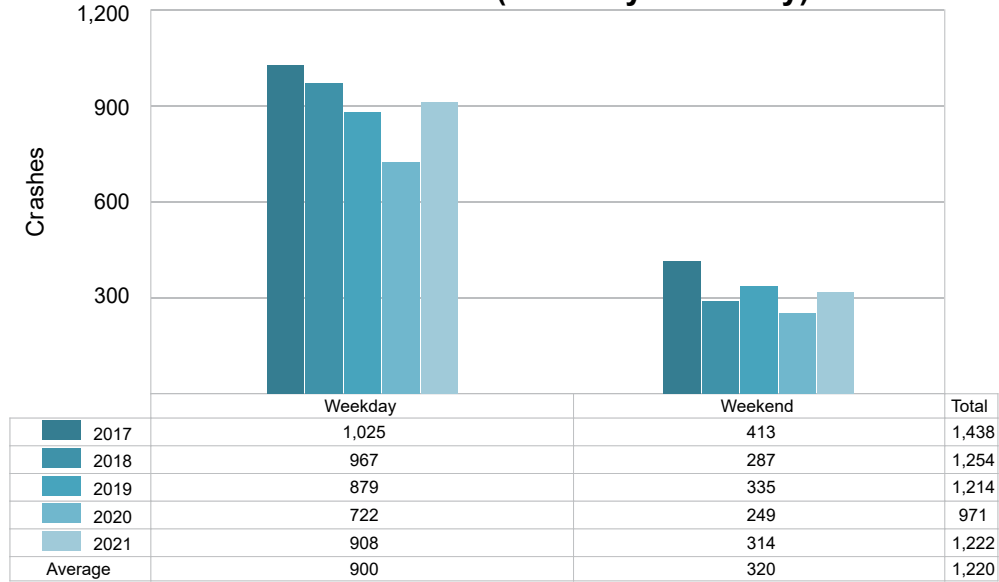
2021 Day of Week and Severity



5-Year Trend - Crashes by Weekday and Weekend

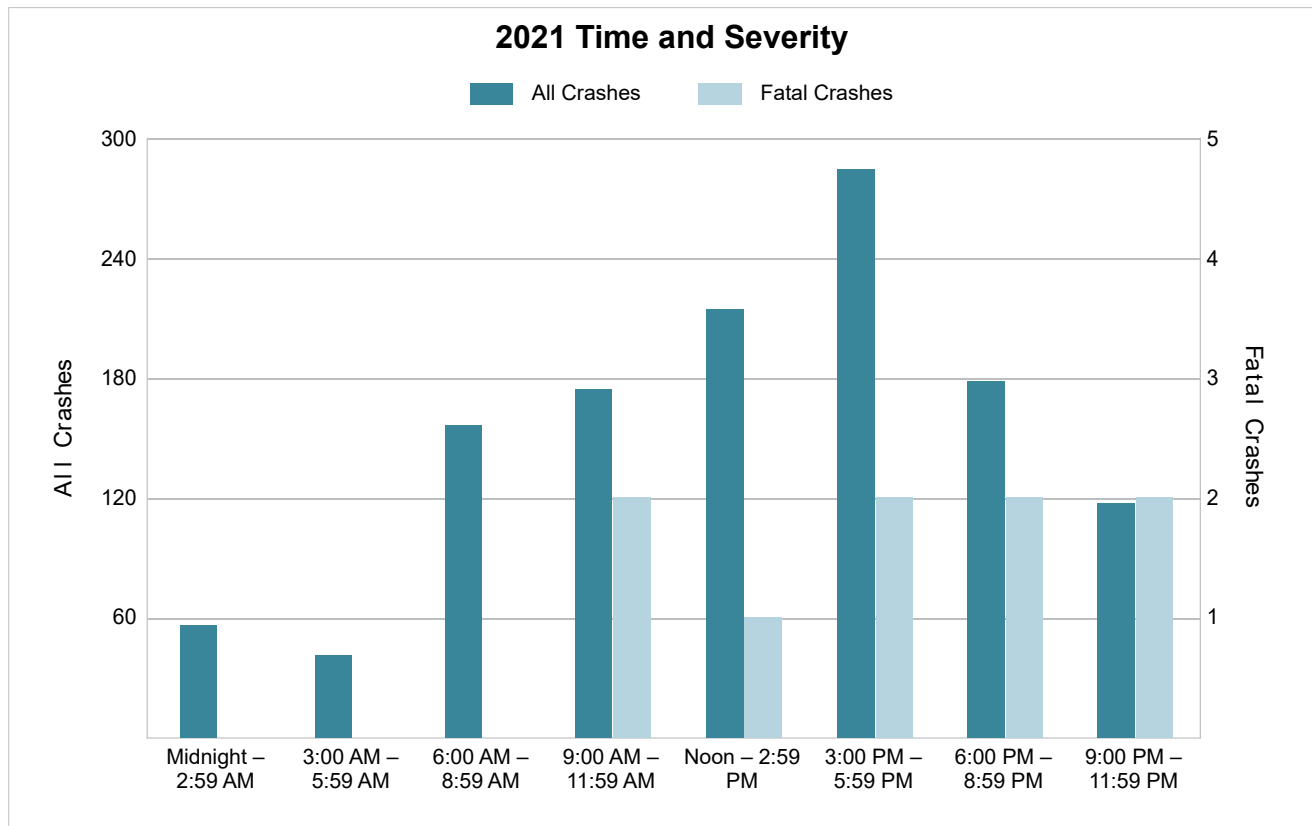
Portion of Week	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	1,025	2	967	5	879	5	722	2	908	7
Weekend	413	0	287	1	335	1	249	2	314	2
Total	1,438	2	1,254	6	1,214	6	971	4	1,222	9

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



2021 - Time and Severity

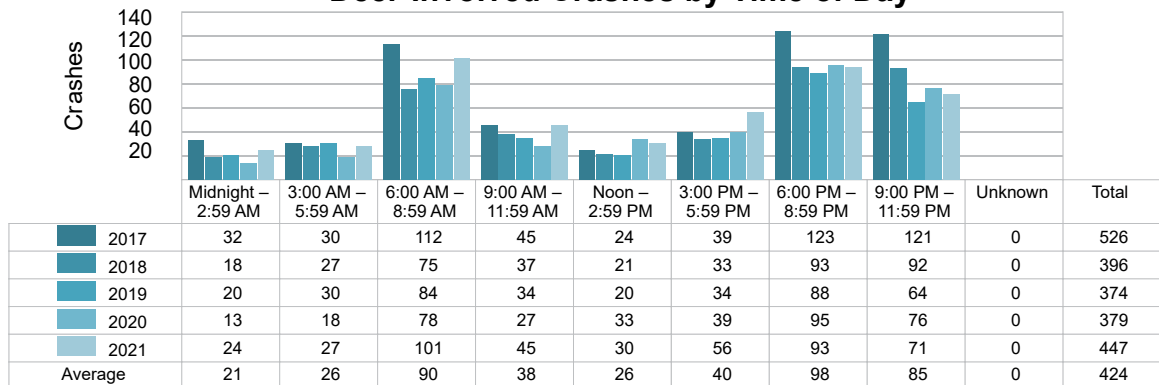
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight – 2:59 AM	56	4.6	0	0.0	0	5	6	45
3:00 AM – 5:59 AM	41	3.4	0	0.0	0	2	1	38
6:00 AM – 8:59 AM	156	12.8	0	0.0	3	2	4	147
9:00 AM – 11:59 AM	174	14.2	2	22.2	7	11	9	145
Noon – 2:59 PM	214	17.5	1	11.1	4	18	15	176
3:00 PM – 5:59 PM	284	23.2	2	22.2	6	16	26	234
6:00 PM – 8:59 PM	178	14.6	2	22.2	1	6	10	159
9:00 PM – 11:59 PM	117	9.6	2	22.2	2	5	7	101
Unknown	2	0.2	0	0.0	0	0	0	2
Total	1,222	100.0	9	100.0	23	65	78	1,047



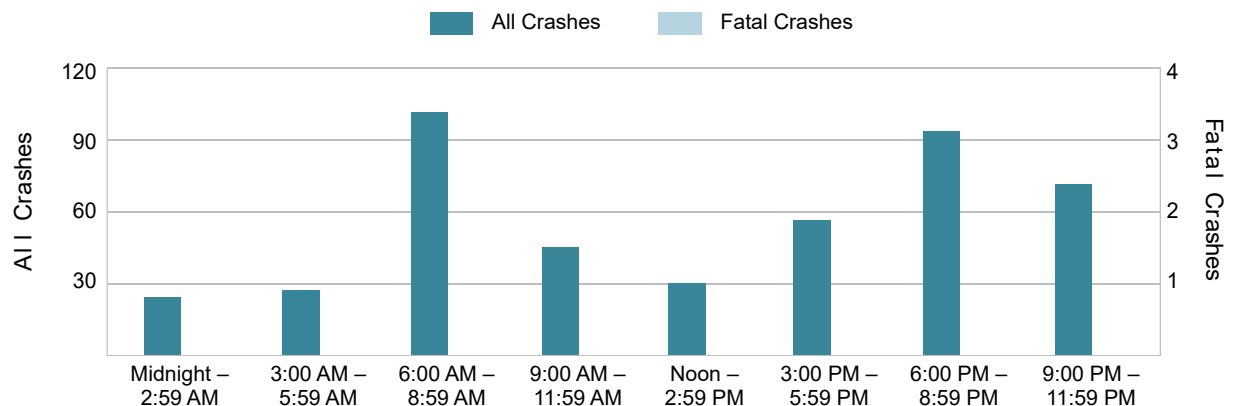
5-Year Trend - Deer-Involved Crashes by Time of Day

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	32	0	18	0	20	0	13	0	24	0
3:00 AM – 5:59 AM	30	0	27	0	30	0	18	0	27	0
6:00 AM – 8:59 AM	112	0	75	0	84	0	78	0	101	0
9:00 AM – 11:59 AM	45	0	37	0	34	0	27	0	45	0
Noon – 2:59 PM	24	0	21	0	20	0	33	0	30	0
3:00 PM – 5:59 PM	39	0	33	0	34	0	39	0	56	0
6:00 PM – 8:59 PM	123	0	93	0	88	0	95	0	93	0
9:00 PM – 11:59 PM	121	0	92	0	64	0	76	0	71	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	526	0	396	0	374	0	379	0	447	0

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



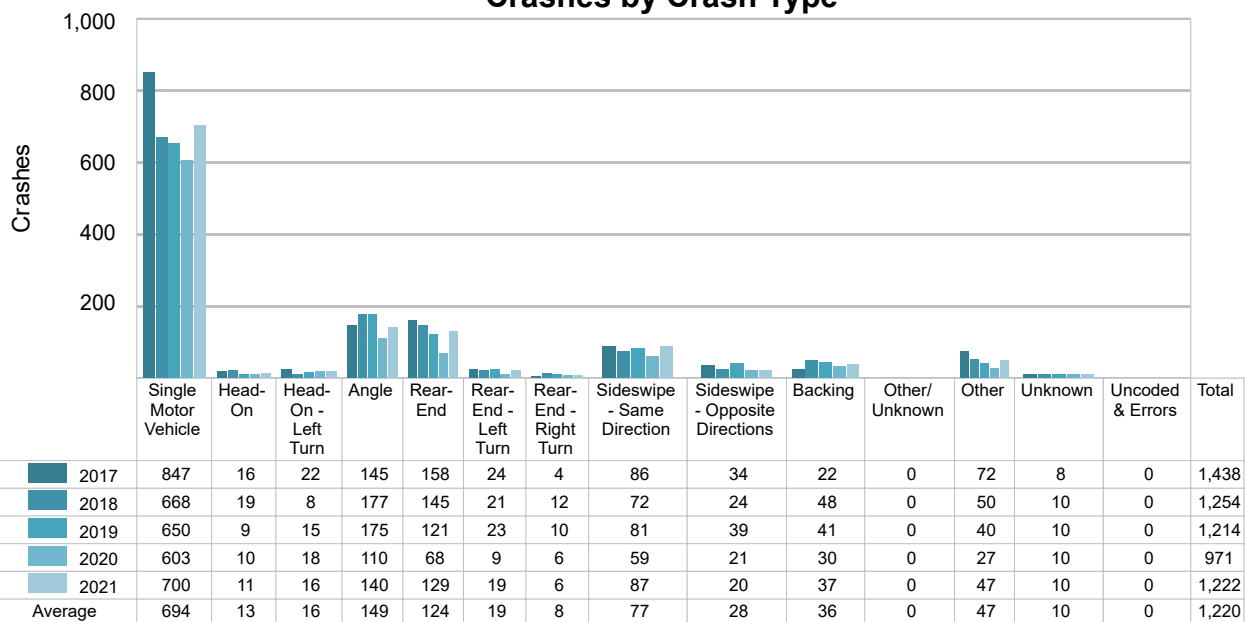
2021 Time and Severity of Deer-Involved Crashes



There were no fatal deer-involved crashes in MSP Post 87 - Calumet in 2021.

5-Year Trend - Crashes by Crash Type

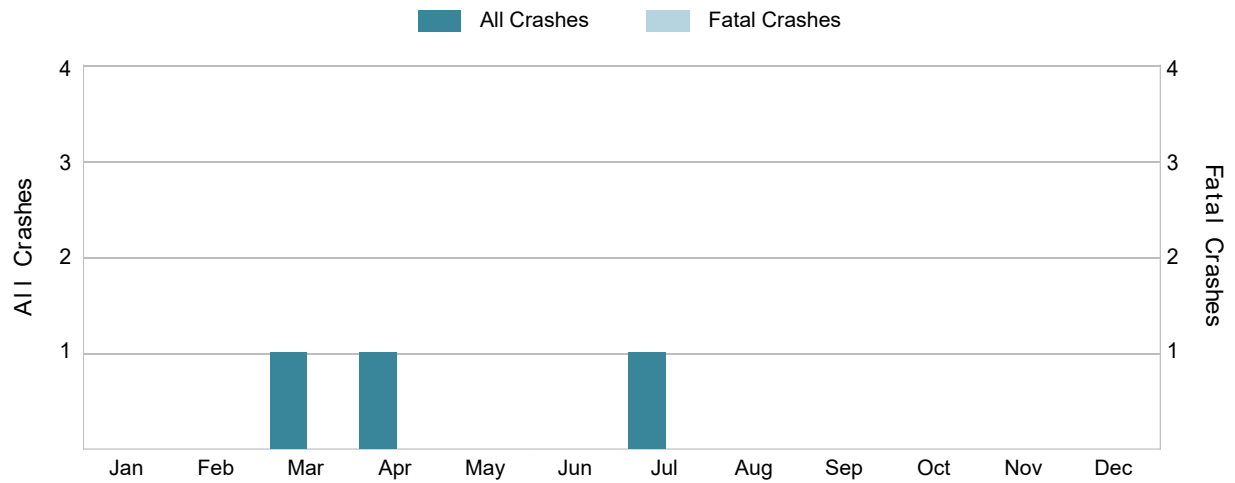
Crash Type	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Single Motor Vehicle	847	1	668	2	650	3	603	3	700	3
Head-On	16	1	19	2	9	0	10	0	11	2
Head-On - Left Turn	22	0	8	0	15	0	18	1	16	0
Angle	145	0	177	1	175	1	110	0	140	2
Rear-End	158	0	145	1	121	0	68	0	129	1
Rear-End - Left Turn	24	0	21	0	23	0	9	0	19	0
Rear-End - Right Turn	4	0	12	0	10	0	6	0	6	0
Sideswipe - Same Direction	86	0	72	0	81	0	59	0	87	0
Sideswipe - Opposite Directions	34	0	24	0	39	2	21	0	20	1
Backing	22	0	48	0	41	0	30	0	37	0
Other/Unknown	0	0	0	0	0	0	0	0	0	0
Other	72	0	50	0	40	0	27	0	47	0
Unknown	8	0	10	0	10	0	10	0	10	0
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0
Total	1,438	2	1,254	6	1,214	6	971	4	1,222	9

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	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0
March	1	0	0	0	0	0	1	0	1	0
April	0	0	1	0	0	0	0	0	1	0
May	0	0	1	0	0	0	0	0	0	0
June	0	0	0	0	2	1	0	0	0	0
July	0	0	1	0	0	0	0	0	1	0
August	1	0	0	0	0	0	0	0	0	0
September	0	0	0	0	2	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0
November	0	0	2	0	1	0	0	0	0	0
December	0	0	0	0	1	0	0	0	0	0
Total	2	0	5	0	6	1	1	0	3	0

2021 Pedestrian-Involved Crashes by Month

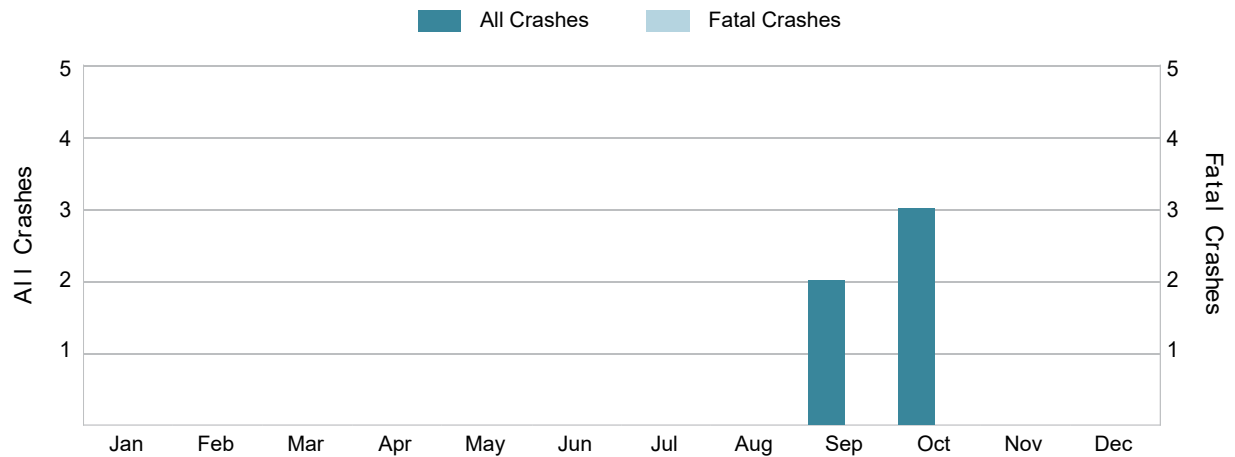


There were no fatal pedestrian-involved crashes in MSP Post 87 - Calumet in 2021.

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	1	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0
June	0	0	1	0	2	0	0	0	0	0
July	1	0	0	0	0	0	1	1	0	0
August	0	0	0	0	0	0	0	0	0	0
September	1	0	0	0	0	0	0	0	2	0
October	0	0	0	0	2	0	0	0	3	0
November	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0
Total	2	0	2	0	4	0	1	1	5	0

2021 Bicyclist-Involved Crashes by Month



There were no fatal bicyclist-involved crashes in MSP Post 87 - Calumet 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
Baraga	270	2	26	242	0	123	47	94	10	5	166	0	1
Houghton	885	7	129	749	0	339	250	295	31	13	259	3	4
Keweenaw	67	0	11	56	0	29	8	29	3	0	22	0	0
Total	1,222	9	166	1,047	0	491	305	418	44	18	447	3	5

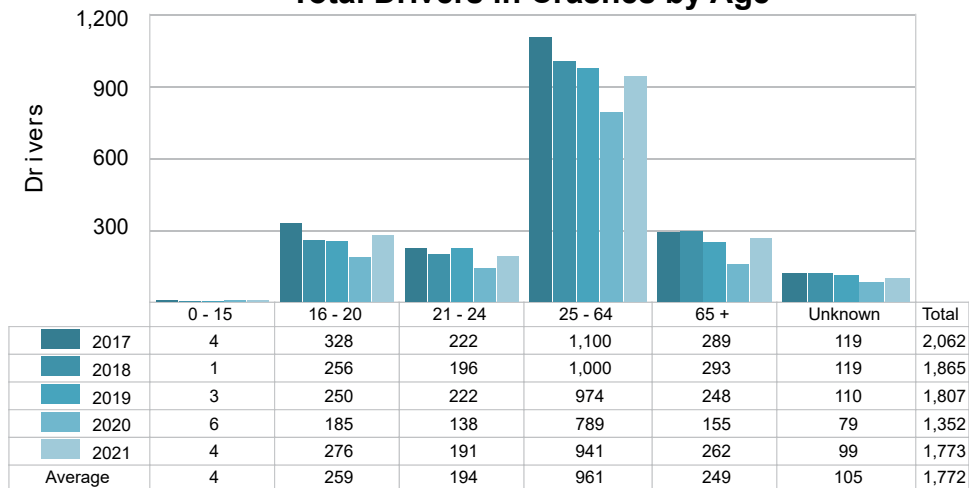
2021 - People in Reported Motor Vehicle Crashes by County

County	People					
	Fatalities	Suspected Serious Injuries	Suspected Minor Injuries	Possible Injuries	No Injuries	Uncoded & Errors
Baraga	2	10	32	21	352	15
Houghton	7	40	113	141	1,273	81
Keweenaw	0	6	3	14	85	7
Total	9	56	148	176	1,710	103

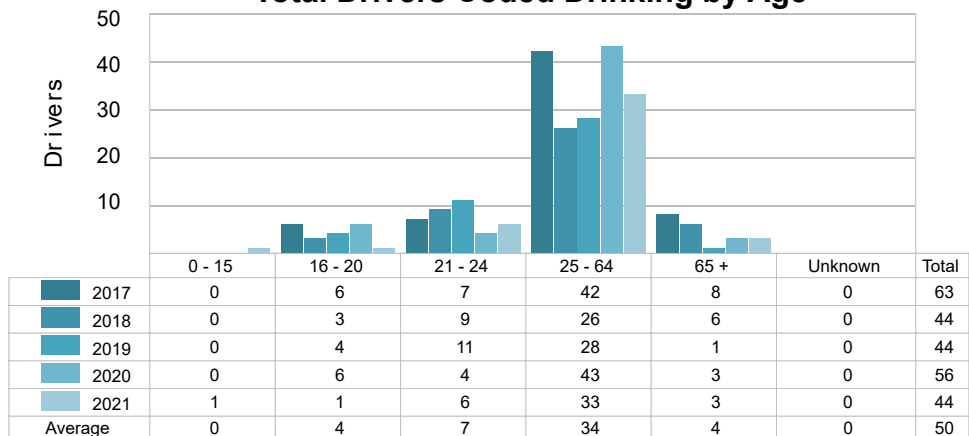
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	4	0	1	0	3	0	6	0	4	1
16 - 20	328	6	256	3	250	4	185	6	276	1
21 - 24	222	7	196	9	222	11	138	4	191	6
25 - 64	1,100	42	1,000	26	974	28	789	43	941	33
65 +	289	8	293	6	248	1	155	3	262	3
Unknown	119	0	119	0	110	0	79	0	99	0
Total	2,062	63	1,865	44	1,807	44	1,352	56	1,773	44

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	1	1	1	1	0	0	0	0	1
16 - 20	2	3	1	1	0	0	1	0	0
21 - 24	6	7	6	6	0	0	3	3	0
25 - 64	41	37	27	33	0	3	7	12	11
65 +	5	4	3	3	0	1	0	1	1
Unknown	7	0	0	0	0	0	0	0	0
Total	62	52	38	44	0	4	11	16	13

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).

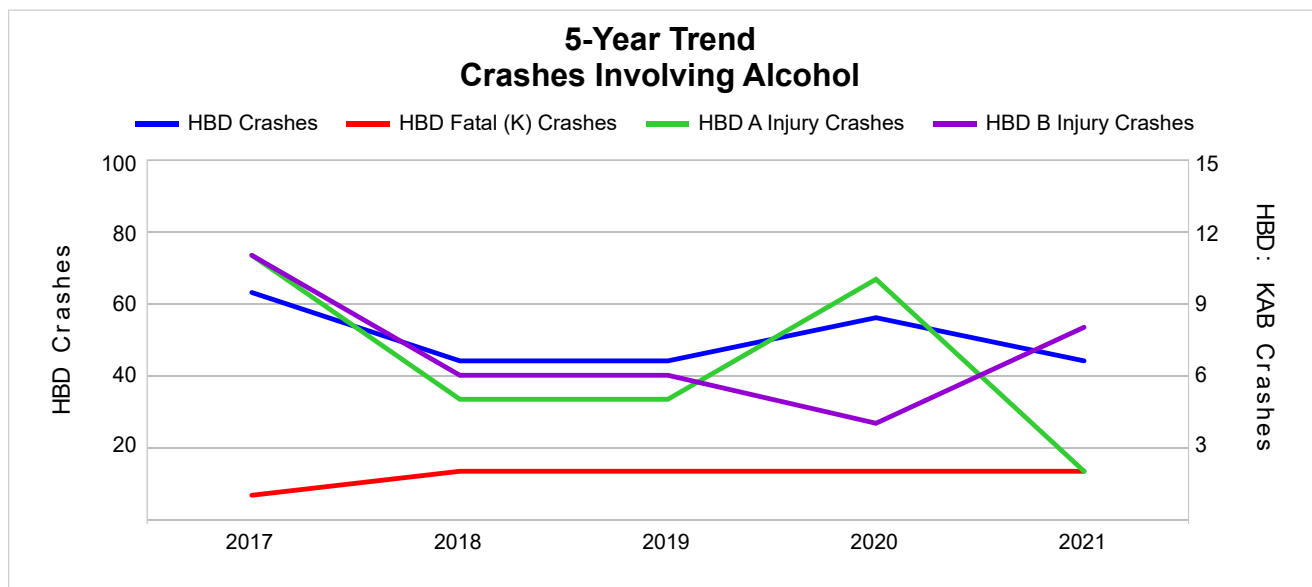
A driver may be coded by the officer as drinking even though no test is administered.

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	1,438	63	4.4	2	1	50.0	38	11	28.9	46	11	23.9
2018	1,254	44	3.5	6	2	33.3	23	5	21.7	43	6	14.0
2019	1,214	44	3.6	6	2	33.3	26	5	19.2	57	6	10.5
2020	971	56	5.8	4	2	50.0	37	10	27.0	36	4	11.1
2021	1,222	44	3.6	9**	2	22.2 *	23	2 *	8.7 *	65**	8	12.3

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.



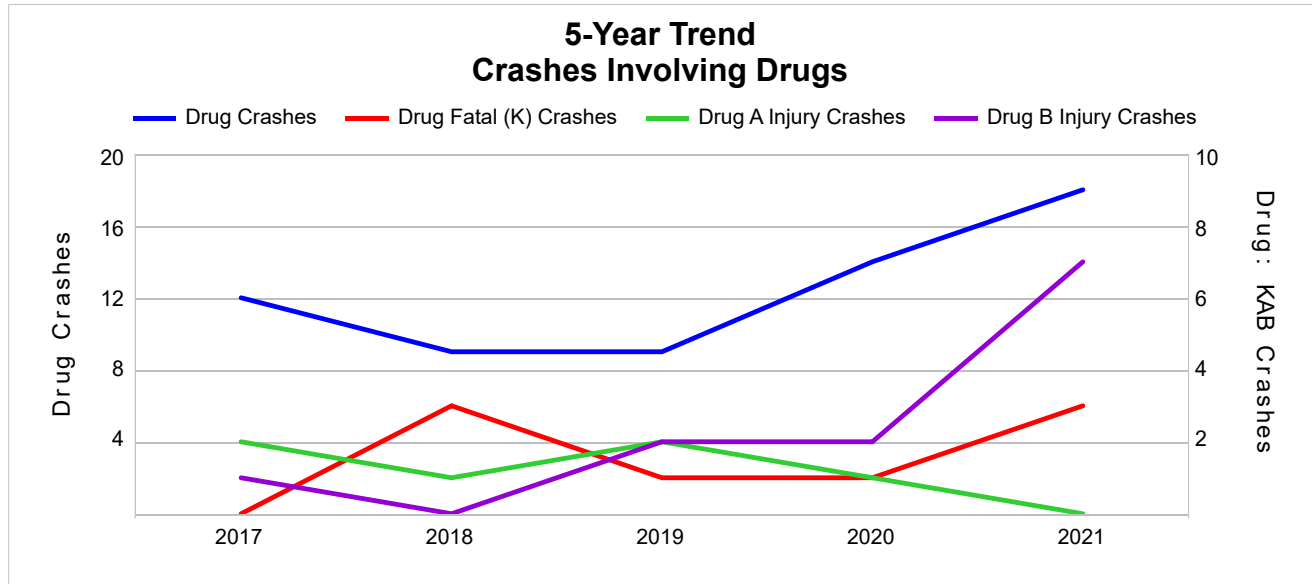
Note: Had-Been-Drinking (HBD)

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
2017	1,438	12	0.8	2	0	0.0	38	2	5.3	46	1	2.2
2018	1,254	9	0.7	6	3	50.0	23	1	4.3	43	0	0.0
2019	1,214	9	0.7	6	1	16.7	26	2	7.7	57	2	3.5
2020	971	14	1.4	4	1	25.0	37	1	2.7	36	2	5.6
2021	1,222	18 **	1.5 **	9 **	3	33.3	23	0 *	0.0 *	65 **	7 **	10.8 **

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.

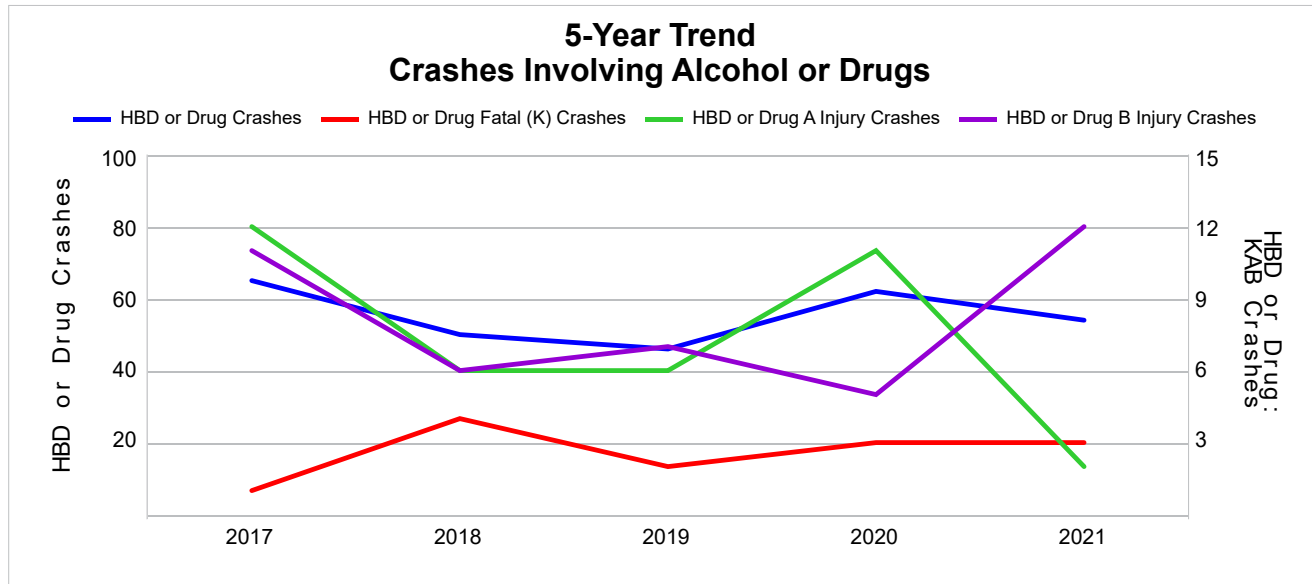


5-Year Trend - Crashes Involving Alcohol or Drugs

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	1,438	65	4.5	2	1	50.0	38	12	31.6	46	11	23.9
2018	1,254	50	4.0	6	4	66.7	23	6	26.1	43	6	14.0
2019	1,214	46	3.8	6	2	33.3	26	6	23.1	57	7	12.3
2020	971	62	6.4	4	3	75.0	37	11	29.7	36	5	13.9
2021	1,222	54	4.4	9 **	3	33.3	23	2 *	8.7 *	65 **	12 **	18.5

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)

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	1,282	1,178	91.9	5	1	20.0	13	11	84.6	55	48	87.3	86	79	91.9	1,068	1,039	97.3
Motor Home	6	6	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	6	100.0
Pickup Truck	406	370	91.1	2	0	0.0	4	1	25.0	10	9	90.0	25	24	96.0	347	336	96.8
Small Truck Under 10,000 lbs. GVWR	15	14	93.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	15	14	93.3
Motorcycle	16	13	81.3	0	0	0.0	6	5	83.3	5	3	60.0	0	0	0.0	5	5	100.0
Moped/Goped	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	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	10	9	90.0	1	1	100.0	3	3	100.0	3	3	100.0	1	1	100.0	1	1	100.0
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	10	7	70.0	1	0	0.0	3	2	66.7	0	0	0.0	2	2	100.0	4	3	75.0
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	11	6	54.5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	10	6	60.0
Truck/Bus (over 10,000 lbs. GVWR/ 8+ occupants/ hazmat placard)	45	43	95.6	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	42	40	95.2
Uncoded & Errors	28	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	1,829	1,646	90.0	9	2	22.2	29	22	75.9	74	64	86.5	116	108	93.1	1,498	1,450	96.8

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	15	10	66.7	0	0	0.0	4	1	25.0	4	2	50.0	6	6	100.0	1	1	100.0
16 - 20	285	274	96.1	0	0	0.0	4	3	75.0	18	17	94.4	16	14	87.5	247	240	97.2
21 - 24	195	189	96.9	0	0	0.0	0	0	0.0	10	9	90.0	4	3	75.0	181	177	97.8
25 - 64	964	912	94.6	5	1	20.0	15	13	86.7	36	32	88.9	68	63	92.6	836	803	96.1
65 +	271	261	96.3	4	1	25.0	6	5	83.3	6	4	66.7	22	22	100.0	232	229	98.7
Unknown	99	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Total	1,829	1,646	90.0	9	2	22.2	29	22	75.9	74	64	86.5	116	108	93.1	1,498	1,450	96.8

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	7	0	3	2	0	0	3	0	0	4	0	1	5	0	0
Shoulder Belt Only Used	21	0	2	4	0	0	10	0	0	8	0	3	9	0	0
Lap Belt Only Used	12	0	0	6	0	0	10	0	0	3	0	0	4	0	0
Both Lap & Shoulder Belt Used	1,826	0	158	1,660	3	143	1,599	2	111	1,186	0	107	1,566	0	136
No Belts Used	17	1	8	16	3	5	12	1	4	10	1	5	18	6	8
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	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Restraint Use Unknown	138	0	5	152	0	4	140	0	3	108	0	3	146	0	4
Helmet Worn	21	1	13	14	0	8	21	1	14	25	0	23	20	1	12
Helmet Not Worn	2	0	2	3	0	2	7	0	7	7	0	5	4	0	4
Helmet Use Unknown	4	0	3	1	0	1	1	0	0	1	0	1	1	1	0
Uncoded & Errors	13	0	0	7	0	0	2	0	0	0	0	0	0	0	0
Total	2,062	2	194	1,865	6	163	1,807	4	139	1,352	1	148	1,773	8	164

5-Year Trend - Restraint Use Among Drivers Coded Drinking

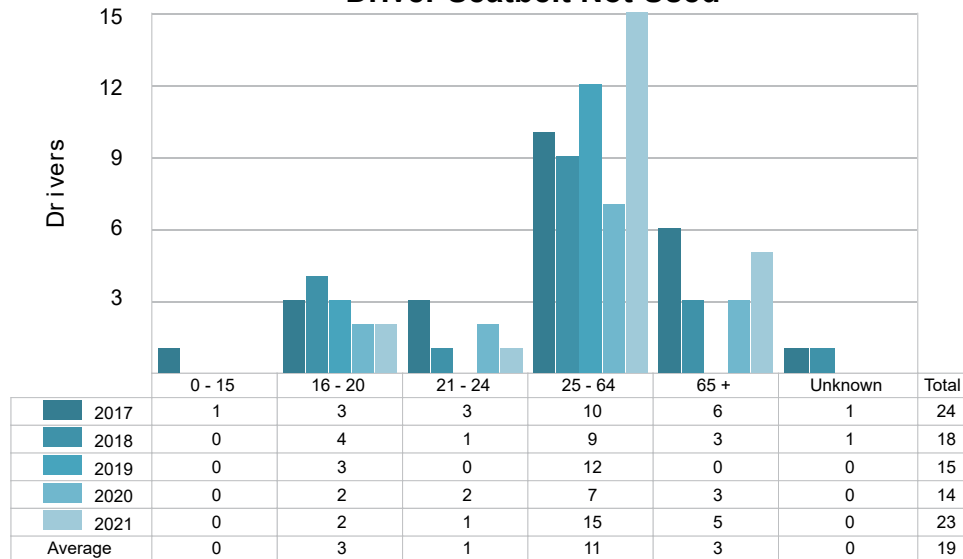
Restraint Use	2017			2018			2019			2020			2021		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No Belts Available	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shoulder Belt Only Used	2	0	1	0	0	0	1	0	0	1	0	0	0	0	0
Lap Belt Only Used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Both Lap & Shoulder Belt Used	41	0	15	30	0	9	32	0	9	36	0	8	30	0	9
No Belts Used	7	0	6	4	2	1	3	1	0	4	0	3	3	2	0
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	9	0	3	9	0	3	4	0	1	8	0	3	9	0	0
Helmet Worn	2	1	1	1	0	1	4	0	4	2	0	2	1	0	1
Helmet Not Worn	0	0	0	0	0	0	0	0	0	4	0	4	1	0	1
Helmet Use Unknown	2	0	2	0	0	0	0	0	0	1	0	1	0	0	0
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	63	1	28	44	2	14	44	1	14	56	0	21	44	2	11

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	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
16 - 20	3	0	0	4	0	2	3	0	2	2	0	0	2	0	2
21 - 24	3	1	1	1	1	0	0	0	0	2	0	1	1	0	0
25 - 64	10	0	6	9	2	3	12	1	2	7	1	3	15	4	4
65 +	6	0	3	3	0	0	0	0	0	3	0	2	5	2	2
Unknown	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Total	24	1	11	18	3	5	15	1	4	14	1	6	23	6	8

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

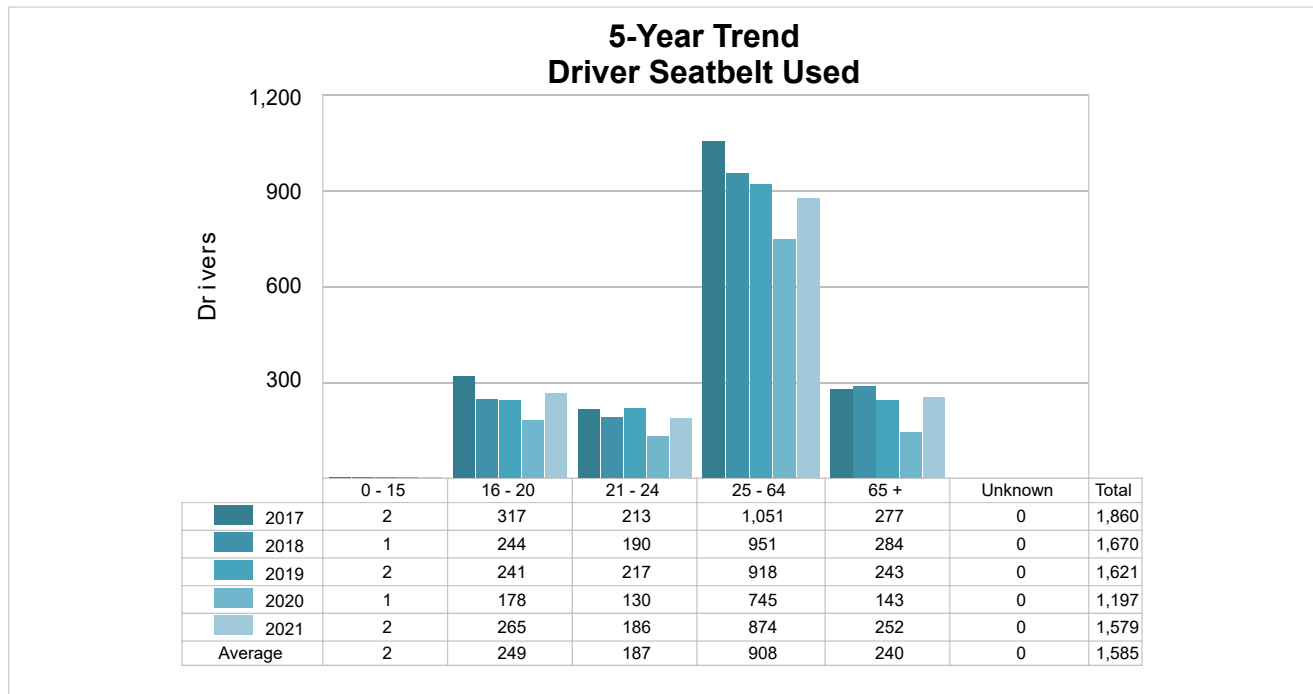
5-Year Trend Driver Seatbelt Not Used



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	2	0	0	1	0	0	2	0	0	1	0	0	2	0	1
16 - 20	317	0	36	244	1	22	241	0	23	178	0	17	265	0	25
21 - 24	213	0	15	190	0	13	217	0	16	130	0	14	186	0	10
25 - 64	1,051	0	87	951	1	86	918	2	47	745	0	58	874	0	77
65 +	277	0	22	284	1	22	243	0	25	143	0	21	252	0	23
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,860	0	160	1,670	3	143	1,621	2	111	1,197	0	110	1,579	0	136

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	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	1,174	1	1,031	7	960	3	776	2	1,023	6
Speed Too Fast	210	1	152	1	188	1	115	1	140	2
Speed Too Slow	1	0	2	0	1	0	0	0	1	0
Failed to Yield	148	0	161	0	161	1	103	0	142	3
Disregard Traffic Control	11	0	5	0	8	0	11	0	17	0
Drove Wrong Way	0	0	1	0	0	0	0	0	0	0
Drove Left of Center	13	0	8	0	8	1	7	0	8	1
Improper Passing	6	0	12	0	7	0	4	0	7	0
Improper Lane Use	43	0	33	0	38	0	16	0	37	0
Improper Turn	17	0	22	0	33	0	27	0	18	0
Improper/No Signal	4	0	5	0	2	0	2	0	5	0
Improper Backing	47	0	53	0	62	0	29	0	50	0
Unable to Stop in Assured Clear Distance	179	0	199	2	137	0	82	0	143	0
Other	67	0	55	0	71	2	53	1	57	0
Unknown	53	0	43	1	64	0	58	0	55	1
Reckless Driving	13	0	8	0	5	0	9	1	5	1
Careless/Negligent Driving	64	1	68	2	61	1	60	0	65	2
Uncoded & Errors	12	0	7	0	1	0	0	0	0	0
Total	2,062	3	1,865	13	1,807	9	1,352	5	1,773	16

Office of Highway Safety Planning

Physical Address:
7150 Harris Drive
Dimondale, Michigan 48821

Mailing Address:
P.O. Box 30634
Lansing, Michigan 48909

Find us on the web:
MichiganTrafficCrashFacts.org
mtcf-info@umich.edu

