



2019

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)



Mackinac County

2019 Traffic Crash Data & 2015-2019 5-Year Trends



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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Crashes by most severe injury (mapped/actual)

- ▲ K - Fatal (3/3)
- A - Suspected Serious (13/13)

Mackinac County

In 2019:

There were 800 drivers involved in 660 motor vehicle crashes in Mackinac County. Of those crashes, 3 were classified as fatal, resulting in 4 fatalities. An additional 77 persons were injured.

Mackinac County experienced the highest number of motor vehicle crashes (81) in February, the highest number of fatal crashes (2) in September, and the highest number of persons killed (2) in January and September.

Michigan driver statistics indicate 5.2 percent of licensed drivers in Mackinac County were age 16-20, and 7.9 percent of drivers in crashes were also in that age group.

2019 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	65	1	3	61	2	5
February	81	0	6	75	0	6
March	70	0	4	66	0	7
April	70	0	2	68	0	4
May	30	0	3	27	0	3
June	34	0	3	31	0	4
July	48	0	11	37	0	15
August	47	0	7	40	0	9
September	30	2	3	25	2	3
October	56	0	9	47	0	11
November	56	0	6	50	0	9
December	73	0	1	72	0	1
Total	660	3	58	599	4	77

2019 - Driver Statistics

Age Group	Mackinac County			Driver Rates	
	2019 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	1,468	48	2	13.6	416.7
16 - 20	517	470	63	1,218.6	1,340.4
21 - 24	394	349	60	1,522.8	1,719.2
25 - 64	5,336	5,126	511	957.6	996.9
65 +	3,084	3,115	145	470.2	465.5
Unknown	0	0	19	- -	- -
Total	10,799	9,108	800	740.8	878.3

2019 - 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	522	65.3	1	25.0	55	466
Motor home	2	0.3	0	0.0	0	2
Pickup truck	208	26.0	2	50.0	16	190
Small truck under 10,000 lbs. GVWR	2	0.3	0	0.0	0	2
Motorcycle	10	1.3	1	25.0	6	3
Moped / goped	0	0.0	0	0.0	0	0
Go-cart / golf cart	0	0.0	0	0.0	0	0
Snowmobile	8	1.0	0	0.0	5	3
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	3	0.4	0	0.0	3	0
Other	5	0.6	0	0.0	0	5
Truck/bus over 10,000 lbs.	37	4.6	0	0.0	5	32
Unknown	3	0.4	0	0.0	0	3
Total	800	100.0	4	100.0	90	706

5-Year Trend - Crashes by Month

Month	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	60	0	34	0	64	0	75	0	65	1
February	42	0	31	0	48	0	59	0	81	0
March	44	0	27	0	52	0	68	2	70	0
April	52	0	29	0	26	1	68	0	70	0
May	19	0	27	0	24	1	24	0	30	0
June	28	0	33	0	40	0	39	0	34	0
July	32	0	30	0	50	1	33	1	48	0
August	33	0	29	0	40	0	41	1	47	0
September	30	0	27	0	38	0	43	1	30	2
October	31	1	32	0	37	0	38	0	56	0
November	34	0	43	0	72	0	70	0	56	0
December	23	0	72	1	87	0	75	0	73	0
Total	428	1	414	1	578	3	633	5	660	3

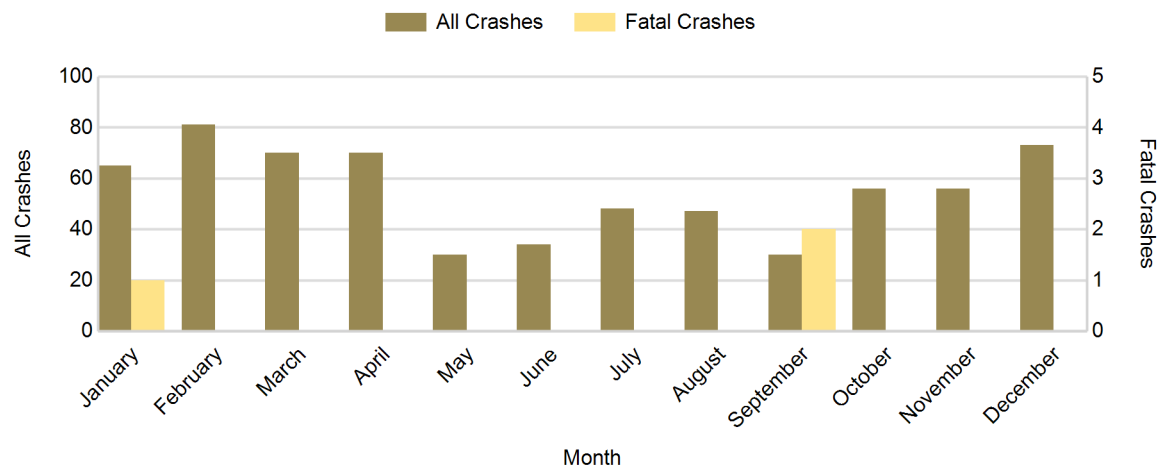
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

5-Year Trend - Crashes by Day of Week

Day	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	57	0	48	0	77	1	89	0	80	0
Tuesday	61	0	42	0	53	1	57	0	83	1
Wednesday	54	0	35	0	74	1	94	2	93	0
Thursday	61	0	73	1	85	0	85	1	95	0
Friday	72	1	79	0	102	0	120	0	96	1
Saturday	60	0	78	0	98	0	87	2	98	1
Sunday	63	0	59	0	89	0	101	0	115	0
Total	428	1	414	1	578	3	633	5	660	3

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

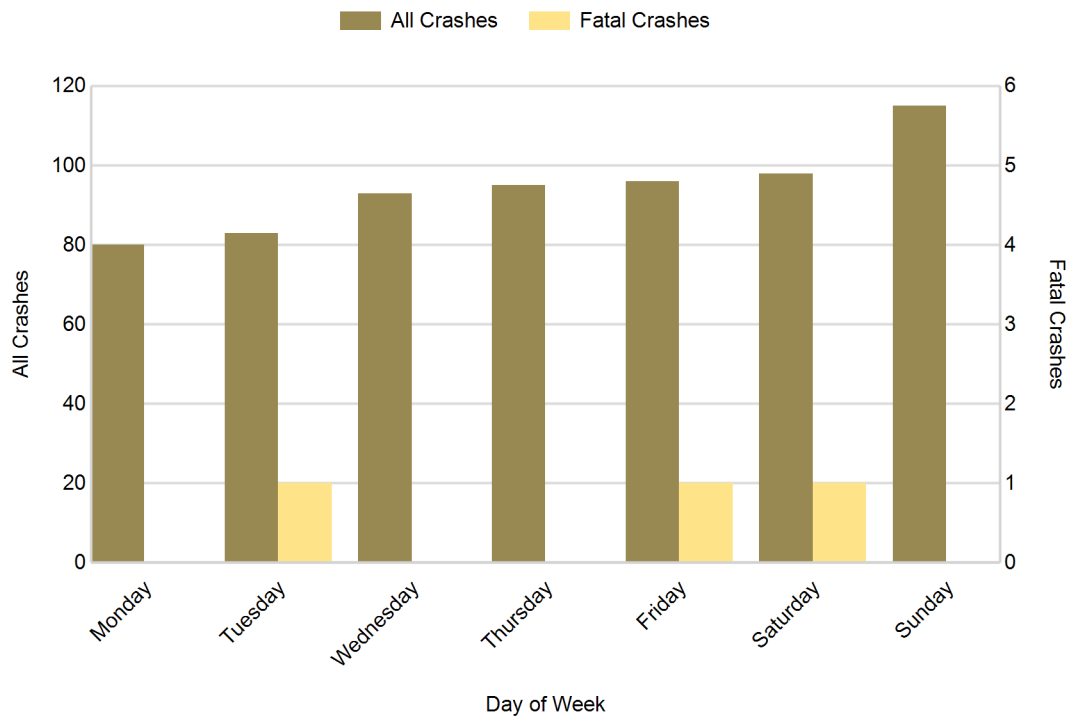
2019 Crashes by Month



2019 - 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	80	12.1	0	0.0	3	0	3	74
Tuesday	83	12.6	1	33.3	0	6	3	73
Wednesday	93	14.1	0	0.0	1	4	2	86
Thursday	95	14.4	0	0.0	3	1	4	87
Friday	96	14.5	1	33.3	1	2	5	87
Saturday	98	14.8	1	33.3	1	2	2	92
Sunday	115	17.4	0	0.0	4	4	7	100
Total	660	100.0	3	100.0	13	19	26	599

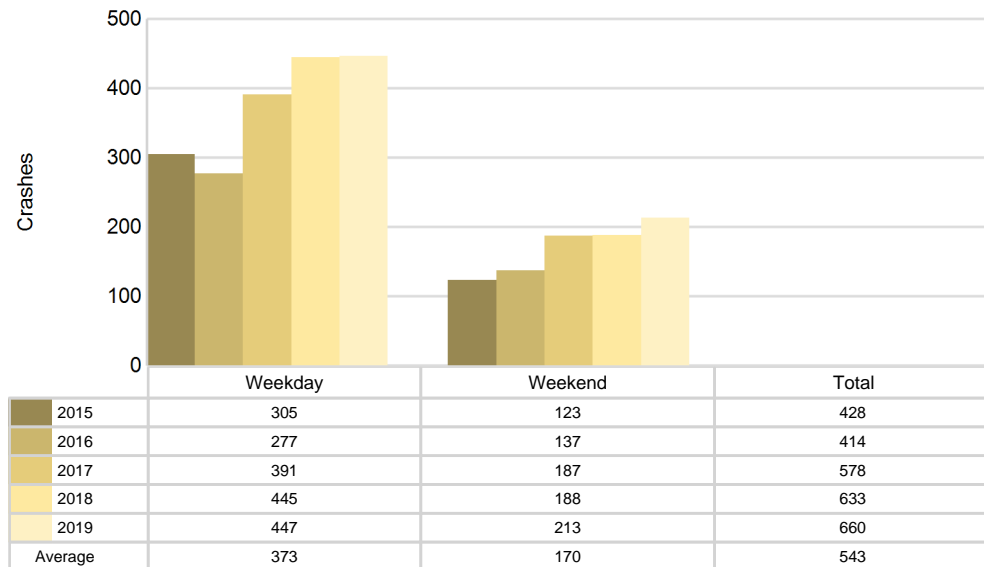
2019 Day of Week and Severity



5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	305	1	277	1	391	3	445	3	447	2
Weekend	123	0	137	0	187	0	188	2	213	1
Total	428	1	414	1	578	3	633	5	660	3

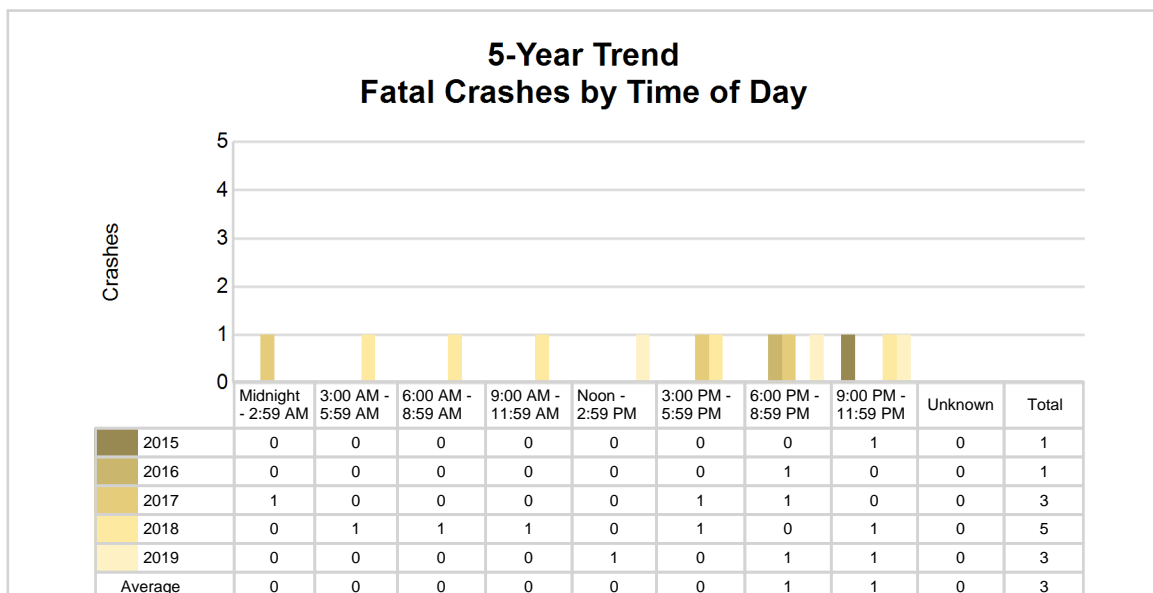
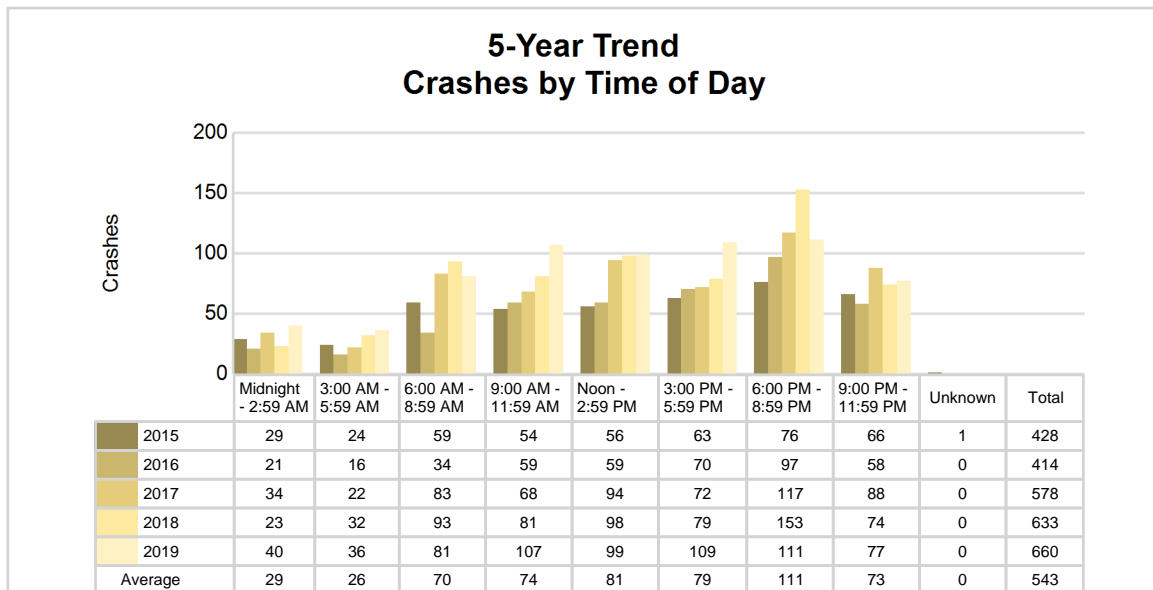
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

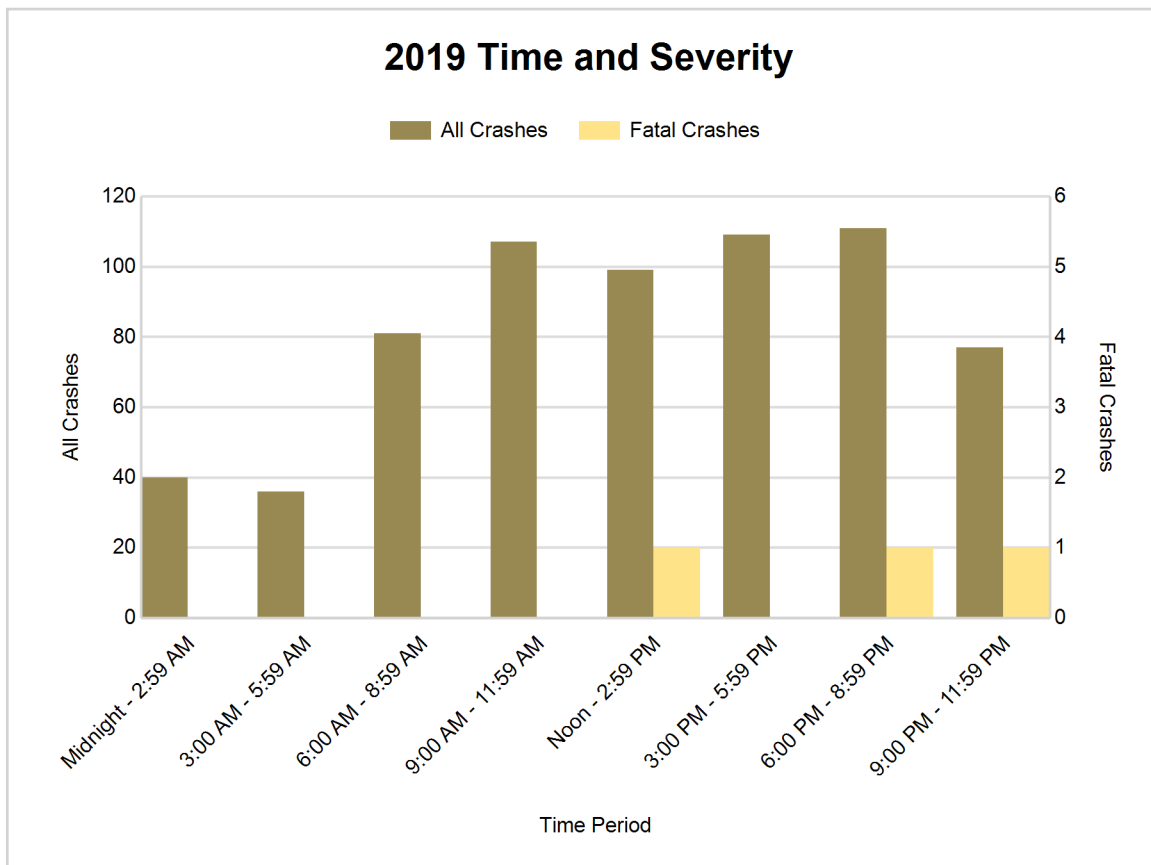
Time of Day	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	29	0	21	0	34	1	23	0	40	0
3:00 AM - 5:59 AM	24	0	16	0	22	0	32	1	36	0
6:00 AM - 8:59 AM	59	0	34	0	83	0	93	1	81	0
9:00 AM - 11:59 AM	54	0	59	0	68	0	81	1	107	0
Noon - 2:59 PM	56	0	59	0	94	0	98	0	99	1
3:00 PM - 5:59 PM	63	0	70	0	72	1	79	1	109	0
6:00 PM - 8:59 PM	76 †	0	97 †	1	117 †	1	153 †	0	111 †	1
9:00 PM - 11:59 PM	66	1	58	0	88	0	74	1	77	1
Unknown	1	0	0	0	0	0	0	0	0	0
Total	428	1	414	1	578	3	633	5	660	3

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



2019 - Time and Severity

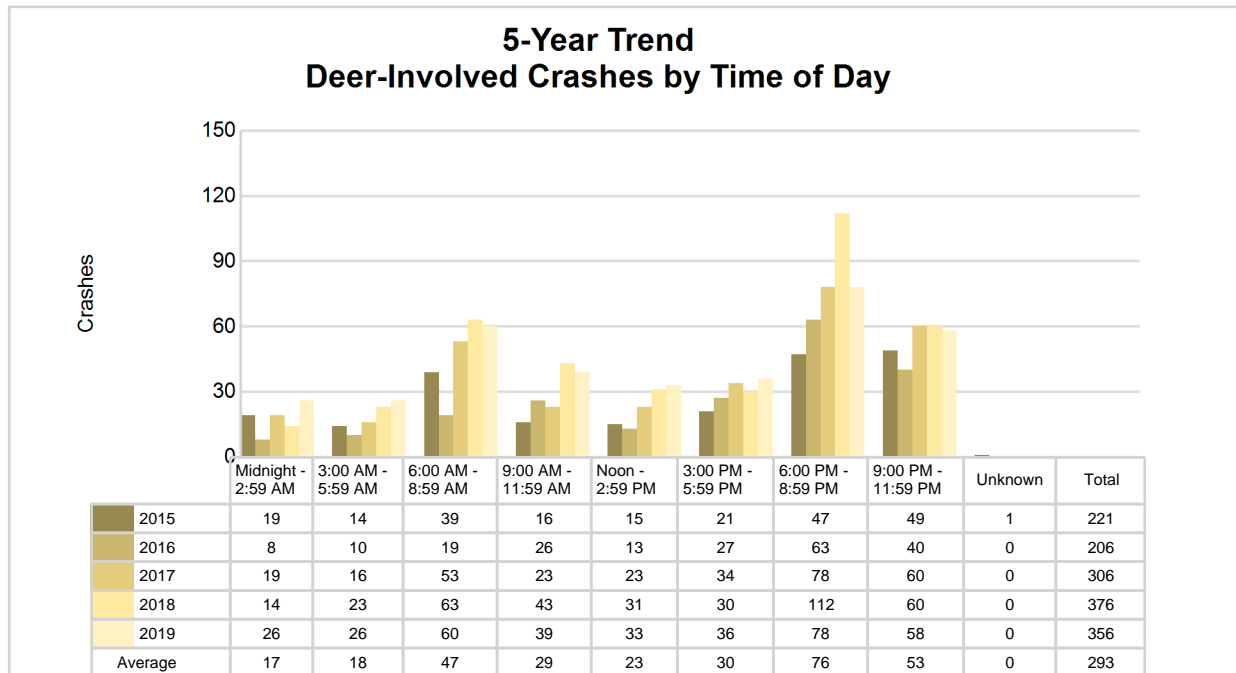
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	40	6.1	0	0.0	2	3	0	35
3:00 AM - 5:59 AM	36	5.5	0	0.0	0	2	1	33
6:00 AM - 8:59 AM	81	12.3	0	0.0	1	1	1	78
9:00 AM - 11:59 AM	107	16.2	0	0.0	1	0	6	100
Noon - 2:59 PM	99	15.0	1	33.3	1	3	6	88
3:00 PM - 5:59 PM	109	16.5	0	0.0	4	6	7	92
6:00 PM - 8:59 PM	111	16.8	1	33.3	3	4	3	100
9:00 PM - 11:59 PM	77	11.7	1	33.3	1	0	2	73
Unknown	0	0.0	0	0.0	0	0	0	0
Total	660	100.0	3	100.0	13	19	26	599



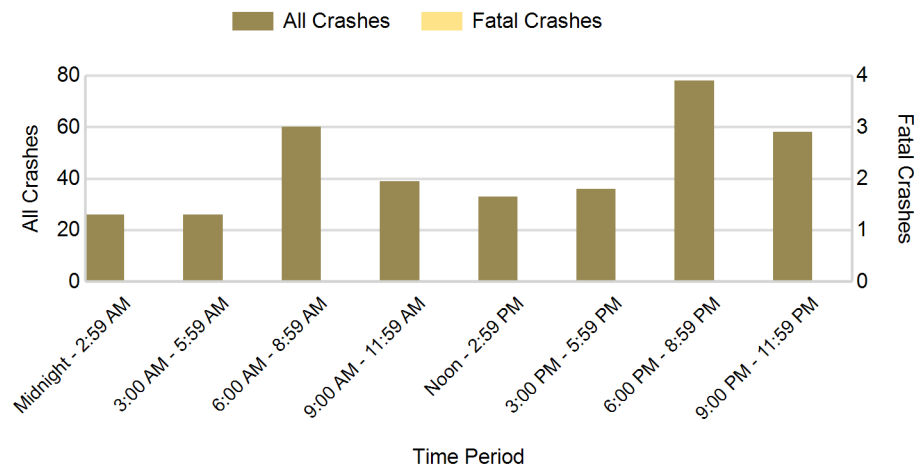
5-Year Trend - Deer-Involved Crashes by Time of Day

Time of Day	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	19	0	8	0	19	0	14	0	26	0
3:00 AM - 5:59 AM	14	0	10	0	16	0	23	0	26	0
6:00 AM - 8:59 AM	39	0	19	0	53	0	63	0	60	0
9:00 AM - 11:59 AM	16	0	26	0	23	0	43	1	39	0
Noon - 2:59 PM	15	0	13	0	23	0	31	0	33	0
3:00 PM - 5:59 PM	21	0	27	0	34	0	30	0	36	0
6:00 PM - 8:59 PM	47	0	63	0	78	0	112	0	78	0
9:00 PM - 11:59 PM	49	0	40	0	60	0	60	0	58	0
Unknown	1	0	0	0	0	0	0	0	0	0
Total	221	0	206	0	306	0	376	1	356	0

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



2019 Time and Severity of Deer-Involved Crashes

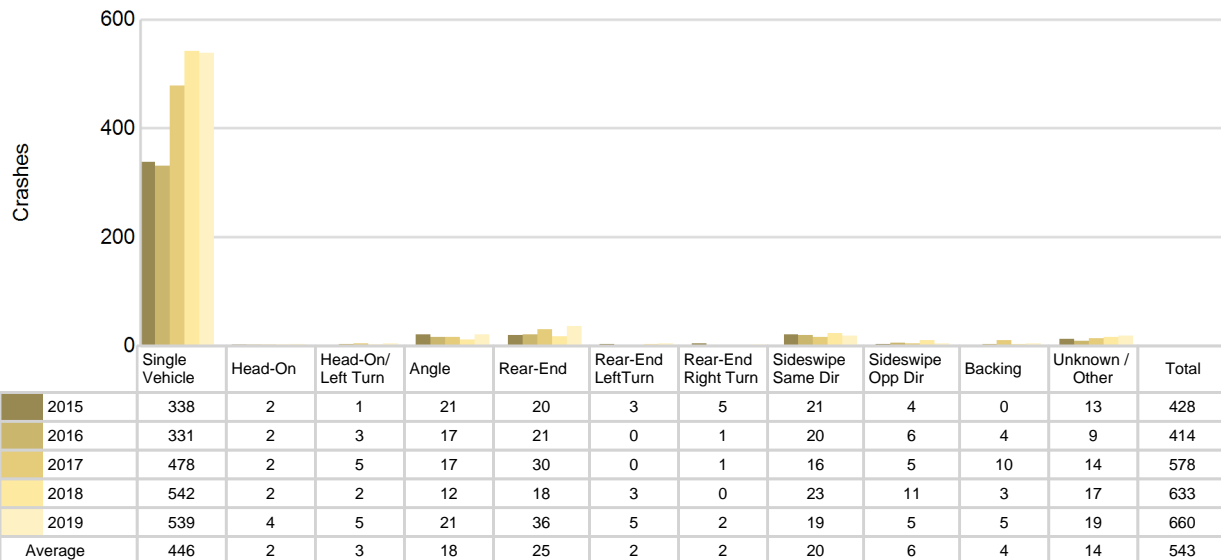


There were no fatal deer-involved crashes in Mackinac County in 2019

5-Year Trend - Crashes by Crash Type

Crash Type	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Single motor vehicle	338	0	331	0	478	1	542	3	539	2
Head-on	2	1	2	1	2	0	2	1	4	0
Head-on / left turn	1	0	3	0	5	0	2	0	5	0
Angle	21	0	17	0	17	0	12	1	21	1
Rear-end	20	0	21	0	30	0	18	0	36	0
Rear-end left turn	3	0	0	0	0	0	3	0	5	0
Rear-end right turn	5	0	1	0	1	0	0	0	2	0
Sideswipe same direction	21	0	20	0	16	0	23	0	19	0
Sideswipe opposite direction	4	0	6	0	5	0	11	0	5	0
Backing	0	0	4	0	10	0	3	0	5	0
Other / Unknown	13	0	9	0	14	2	17	0	19	0
Uncoded and Errors	0	0	0	0	0	0	0	0	0	0
Total	428	1	414	1	578	3	633	5	660	3

5-Year Trend Crashes by Crash Type



Mackinac County (continued)

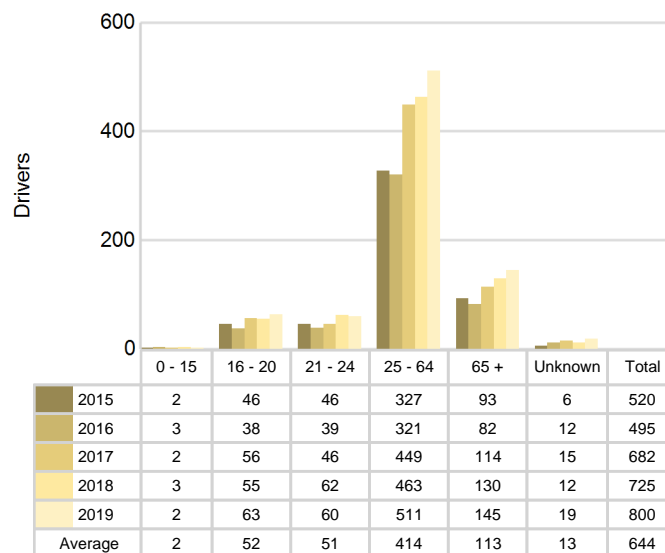
2019 - Reported Motor Vehicle Crashes by Municipality

Municipality	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Bois Blanc Twp.	0	0	0	0	0	0	0	0	0	0	0	0	0
Brevort Twp.	28	0	3	25	0	0	22	6	1	0	19	0	3
Clark Twp.	86	0	2	84	0	0	68	17	2	0	70	0	3
Garfield Twp.	94	0	10	84	0	53	22	19	2	0	62	0	16
Hendricks Twp.	29	0	4	25	0	20	0	9	0	0	16	0	5
Hudson Twp.	32	0	0	32	0	27	0	5	1	0	23	0	0
Mackinac Island	4	0	1	3	0	0	3	1	1	0	0	0	1
Marquette Twp.	49	0	4	45	6	0	21	22	1	0	30	0	6
Moran Twp.	112	1	15	96	32	60	4	13	3	1	27	1	20
Newton Twp.	52	0	2	50	0	41	0	11	0	0	35	0	2
Portage Twp.	27	1	1	25	0	0	0	26	2	0	16	1	1
St. Ignace	21	1	3	17	16	0	0	4	2	1	2	2	5
St. Ignace Twp.	126	0	13	113	76	0	21	28	4	4	56	0	15
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	660	3	58	599	130	201	161	161	19	6	356	4	77

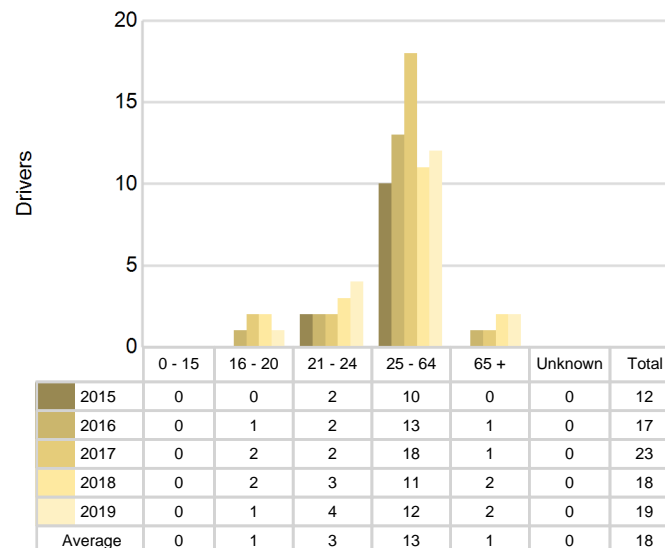
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2015		2016		2017		2018		2019	
	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	2	0	3	0	2	0	3	0	2	0
16 - 20	46	0	38	1	56	2	55	2	63	1
21 - 24	46	2	39	2	46	2	62	3	60	4
25 - 64	327	10	321	13	449	18	463	11	511	12
65 +	93	0	82	1	114	1	130	2	145	2
Unknown	6	0	12	0	15	0	12	0	19	0
Total	520	12	495	17	682	23	725	18	800	19

5-Year Trend Total Drivers in Crashes by Age



5-Year Trend Total Drivers Coded Drinking by Age



2019 - 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	3	4	1	1	0	0	0	1	0
21 - 24	4	3	3	4	0	1	0	2	1
25 - 64	14	14	8	12	0	1	2	5	4
65 +	3	4	1	2	0	0	0	1	1
Unknown	0	0	0	0	0	0	0	0	0
Total	24	25	13	19	0	2	2	9	6

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 2019, there were 24 drivers in alcohol-involved crashes; 19 (79.2%) of those drivers were coded as had-been-drinking by the officer on the crash form.

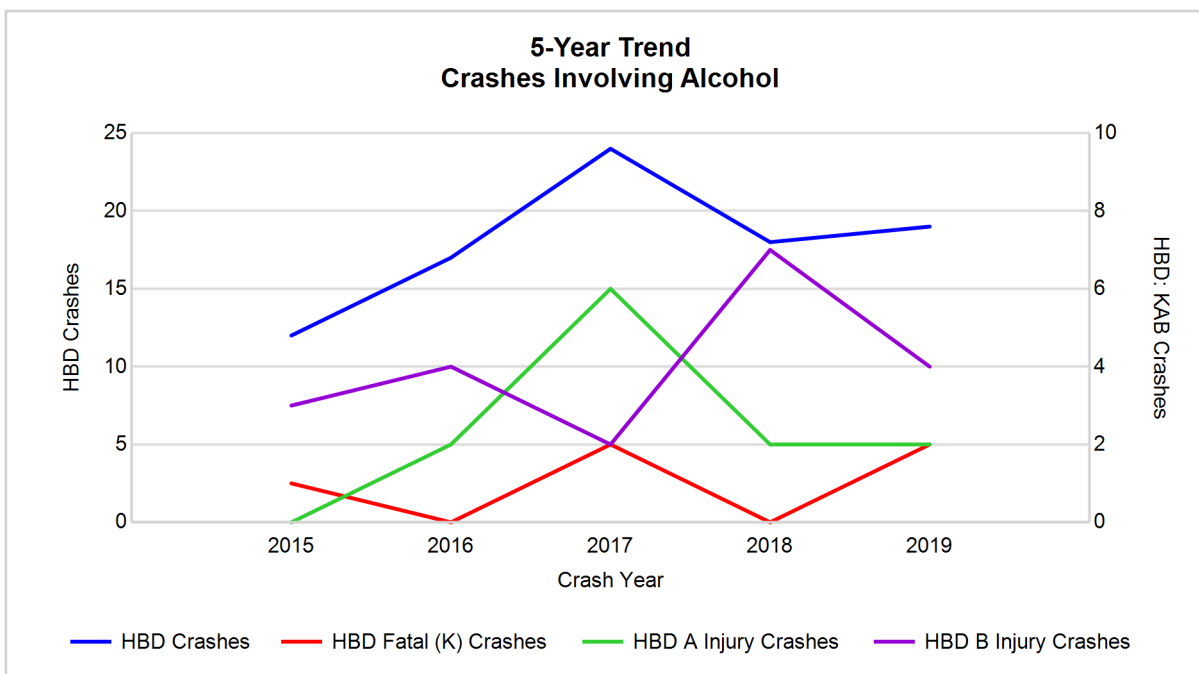
- 11 (57.9%) of the 19 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 9 (81.8%) of the 11 drivers had a BAC at or above 0.17 g/dL.
- 13 (68.4%) of the 19 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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
2015	428	12	2.8	1	1	100.0	14	0	0.0	19	3	15.8
2016	414	17	4.1	1	0	0.0	12	2	16.7	12	4	33.3
2017	578	24	4.2	3	2	66.7	13	6	46.2	19	2	10.5
2018	633	18	2.8	5	0	0.0	12	2	16.7	24	7	29.2
2019	660**	19	2.9	3	2	66.7	13	2	15.4	19	4	21.1

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



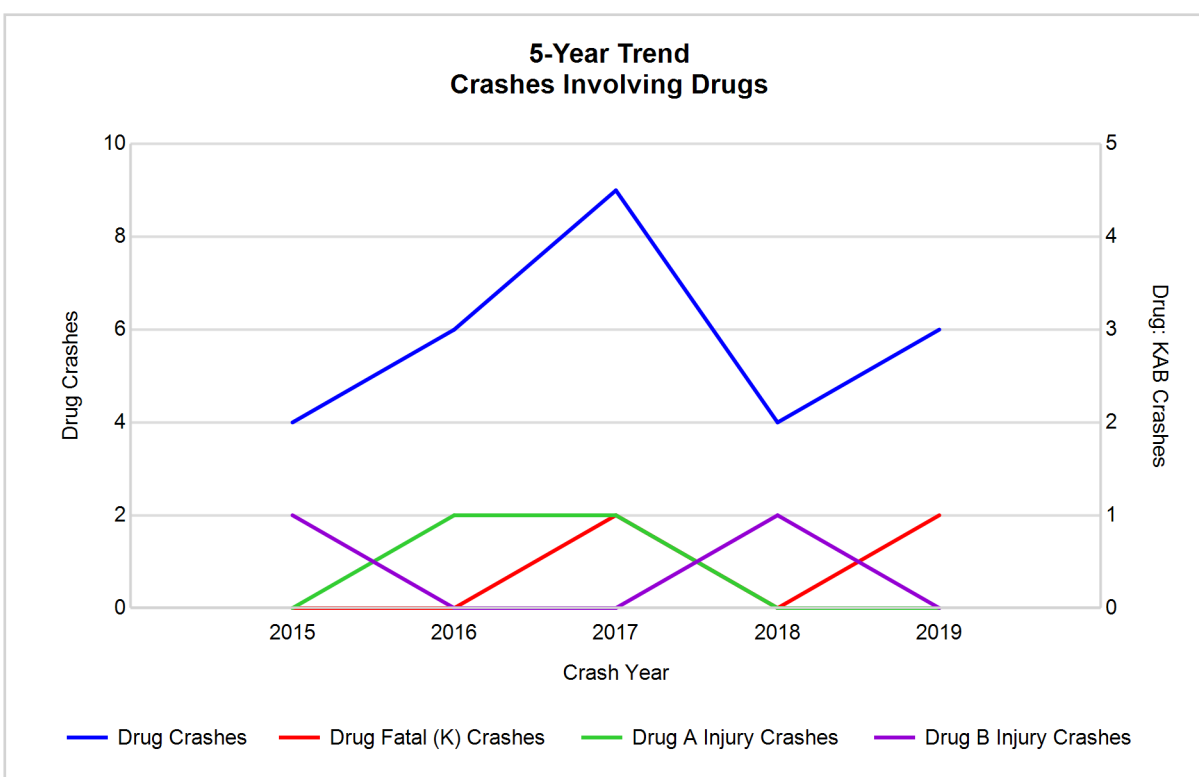
Note: Had-Been-Drinking (HBD)

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
2015	428	4	0.9	1	0	0.0	14	0	0.0	19	1	5.3
2016	414	6	1.4	1	0	0.0	12	1	8.3	12	0	0.0
2017	578	9	1.6	3	1	33.3	13	1	7.7	19	0	0.0
2018	633	4	0.6	5	0	0.0	12	0	0.0	24	1	4.2
2019	660**	6	0.9	3	1	33.3	13	0	0.0	19	0	0.0

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

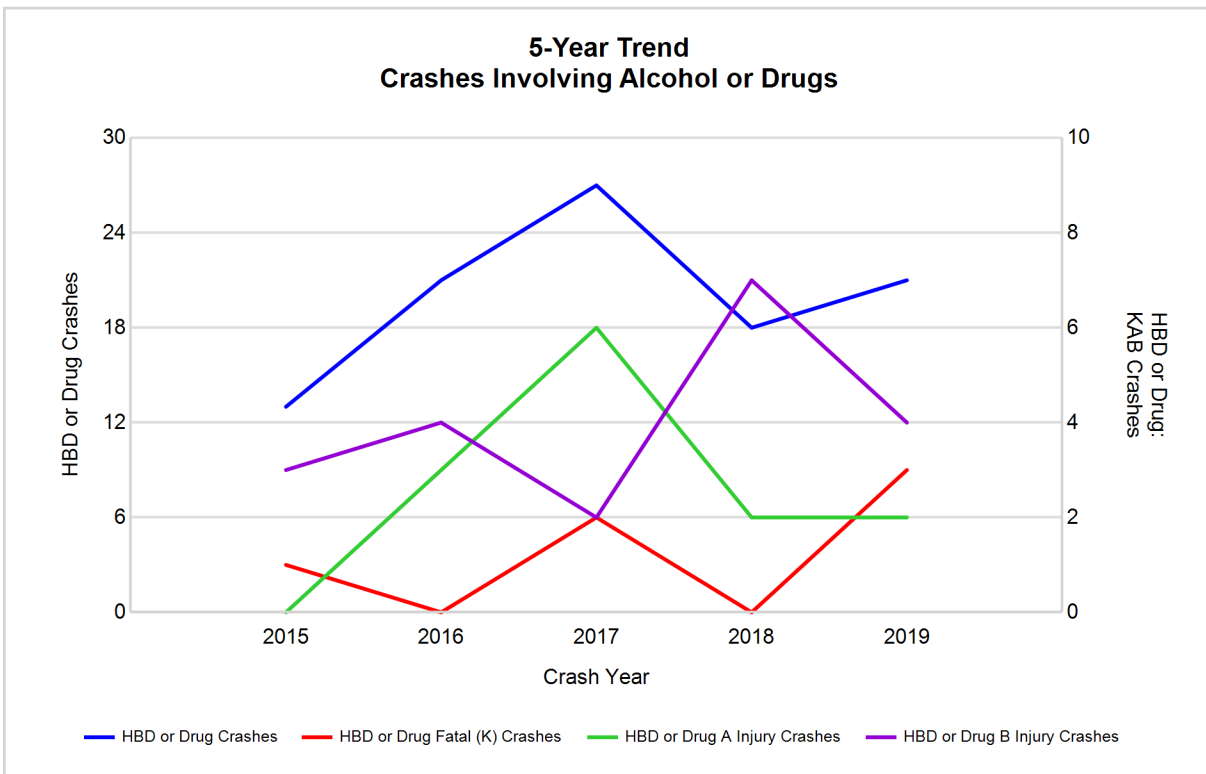


5-Year Trend - Crashes Involving Alcohol or Drugs

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
2015	428	13	3.0	1	1	100.0	14	0	0.0	19	3	15.8
2016	414	21	5.1	1	0	0.0	12	3	25.0	12	4	33.3
2017	578	27	4.7	3	2	66.7	13	6	46.2	19	2	10.5
2018	633	18	2.8	5	0	0.0	12	2	16.7	24	7	29.2
2019	660**	21	3.2	3	3**	100.0	13	2	15.4	19	4	21.1

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)

2019 - 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	540	521	96.5	2	2	100.0	5	2	40.0	18	15	83.3	22	21	95.5	489	481	98.4
Motor home	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Pickup truck	213	196	92.0	1	0	0.0	2	1	50.0	5	3	60.0	5	5	100.0	193	187	96.9
Small truck under 10,000 lbs. GVWR	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Motorcycle	11	7	63.6	1	0	0.0	4	3	75.0	2	1	50.0	1	1	100.0	3	2	66.7
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	8	6	75.0	0	0	0.0	1	1	100.0	0	0	0.0	4	4	100.0	1	1	100.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	4	4	100.0	0	0	0.0	2	2	100.0	2	2	100.0	0	0	0.0	0	0	0.0
Other	5	2	40.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	2	66.7
Truck/bus over 10,000 lbs.	37	34	91.9	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	33	32	97.0
Unknown	3	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Total	825	774	93.8	4	2	0.0	14	9	64.3	28	22	78.6	33	32	97.0	727	709	97.5

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.

2019 - 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	5	5	100.0	0	0	0.0	0	0	0.0	3	3	100.0	1	1	100.0	1	1	100.0
16 - 20	70	65	92.9	1	1	100.0	3	1	33.3	5	4	80.0	5	4	80.0	56	55	98.2
21 - 24	64	60	93.8	1	1	100.0	2	1	50.0	2	2	100.0	4	4	100.0	55	52	94.5
25 - 64	520	500	96.2	2	0	0.0	7	5	71.4	15	11	73.3	15	15	100.0	480	469	97.7
65 +	147	144	98.0	0	0	0.0	2	2	100.0	3	2	66.7	8	8	100.0	134	132	98.5
Unknown	19	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Total	825	774	93.8	4	2	0.0	14	9	64.3	28	22	78.6	33	32	97.0	727	709	97.5

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	2015			2016			2017			2018			2019		
	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	9	0	2	1	0	0	2	0	0	5	0	0	0	0	0
Shoulder belt only used	0	0	0	0	0	0	7	0	1	3	0	0	8	0	0
Lap belt only used	1	0	0	2	0	0	0	0	0	0	0	0	1	0	0
Both lap & shoulder belts used	445	0	26	421	0	23	625	1	45	668	2	37	732	1	34
No belts used	6	0	1	4	0	2	5	1	3	6	1	3	4	0	1
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	1	0	0	0	0	0	0	0	0
Restraint use unknown	30	1	6	46	1	5	31	0	3	30	0	1	34	1	2
Helmet worn	15	0	10	12	0	9	9	0	5	9	1	6	15	0	12
Helmet not worn	4	0	4	6	0	4	2	0	1	4	0	2	4	1	2
Helmet use unknown	1	0	0	2	0	1	0	0	0	0	0	0	0	0	0
Uncoded & errors	9	0	1	1	0	0	0	0	0	0	0	0	2	0	0
Total	520	1	50	495	1	44	682	2	58	725	4	49	800	3	51

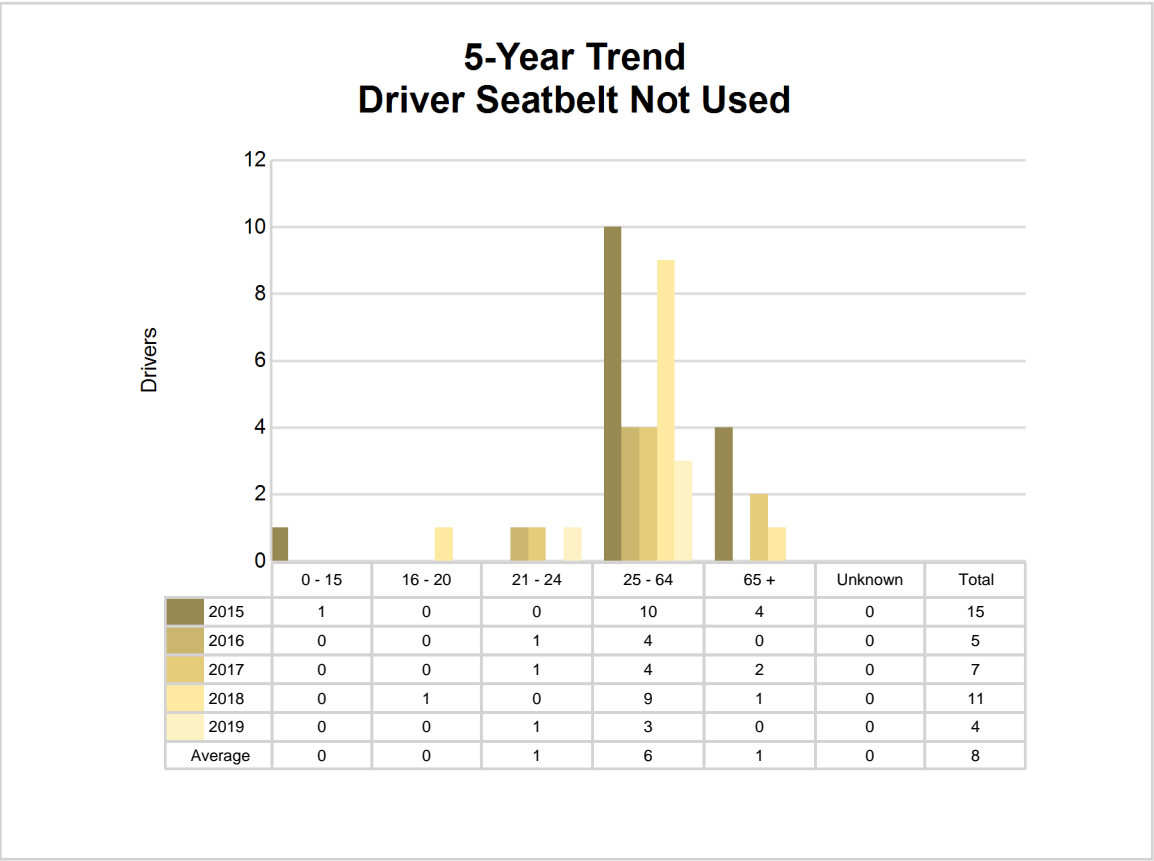
5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2015			2016			2017			2018			2019		
	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	0	0	0	0	0	0	0	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 belts used	3	0	1	6	0	1	14	0	4	11	0	4	7	0	3
No belts used	1	0	0	2	0	2	2	1	1	3	0	2	1	0	1
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	6	0	3	7	0	3	4	0	2	3	0	1	9	1	2
Helmet worn	2	0	1	0	0	0	2	0	1	0	0	0	1	0	1
Helmet not worn	0	0	0	1	0	1	1	0	1	1	0	1	1	1	0
Helmet use unknown	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Uncoded & errors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	12	0	5	17	0	8	23	1	9	18	0	8	19	2	7

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

Age Group	2015			2016			2017			2018			2019		
	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	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
21 - 24	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0
25 - 64	10	0	2	4	0	2	4	1	2	9	0	3	3	0	1
65 +	4	0	0	0	0	0	2	0	1	1	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	15	0	3	5	0	2	7	1	3	11	1	3	4	0	1

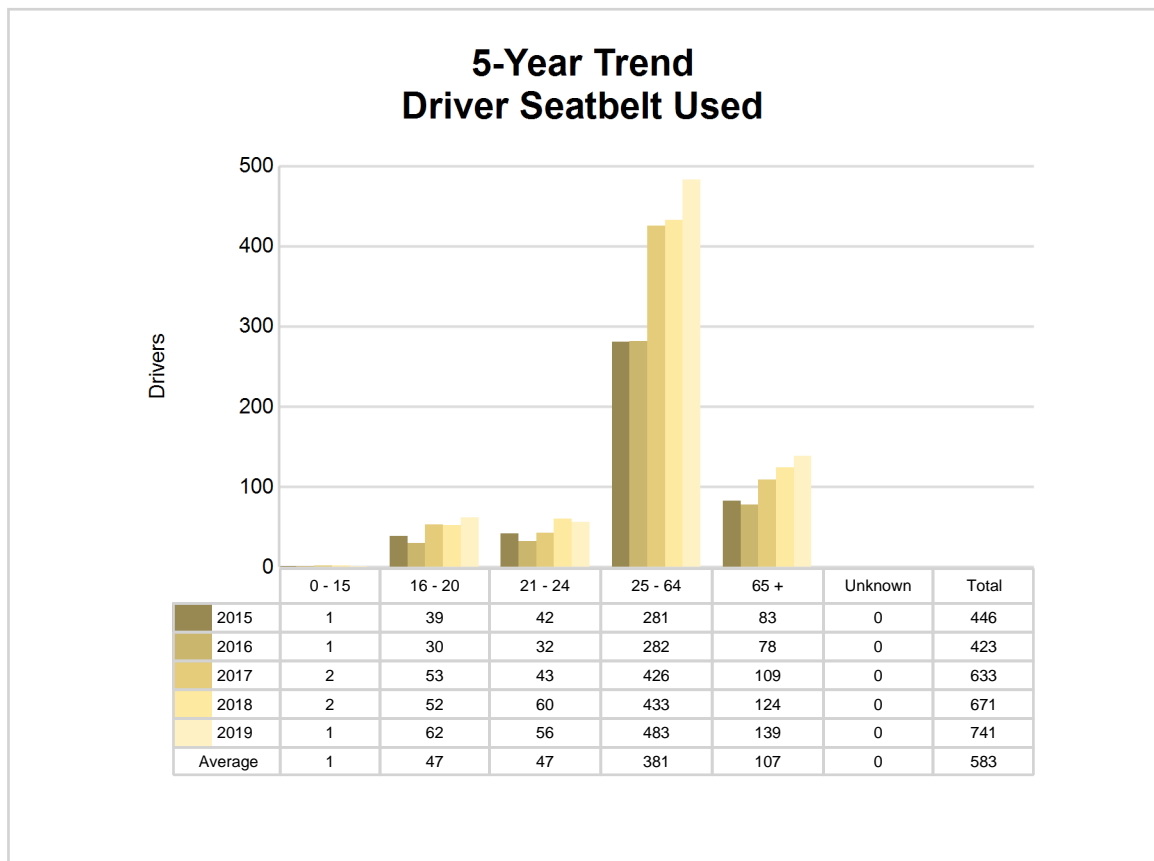
Note: Seatbelt Not Used includes no belts available or no belts used.



5-Year Trend - Seatbelt Used Among Drivers by Age

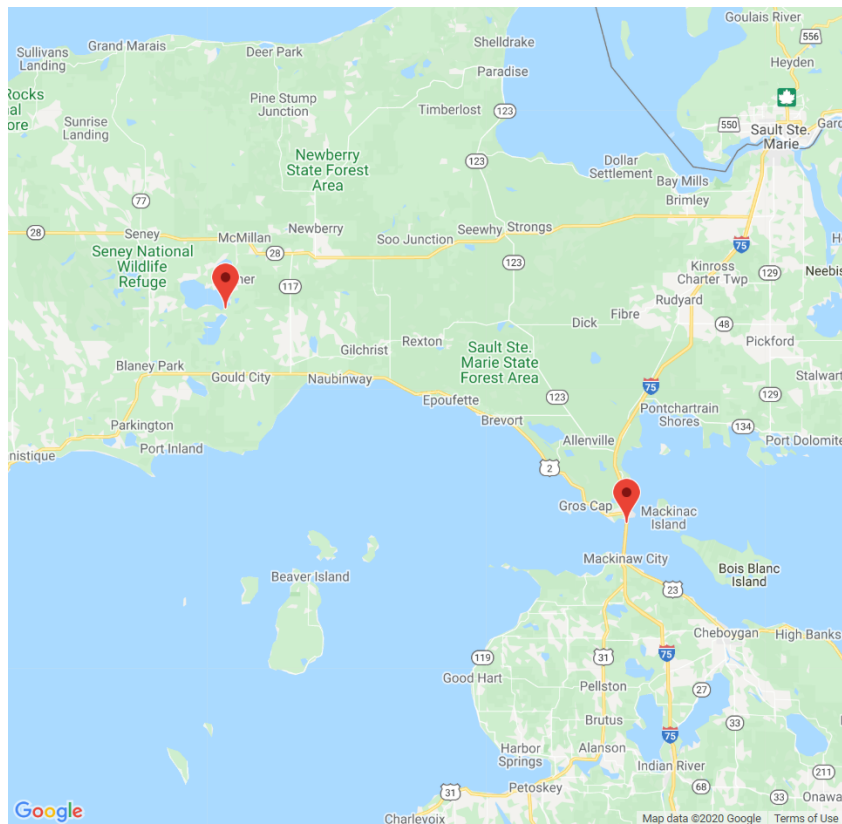
Age Group	2015			2016			2017			2018			2019		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	1	0	0	1	0	1	2	0	0	2	0	0	1	0	0
16 - 20	39	0	6	30	0	4	53	0	6	52	0	7	62	1	6
21 - 24	42	0	2	32	0	2	43	0	6	60	0	6	56	0	4
25 - 64	281	0	12	282	0	16	426	0	25	433	1	20	483	0	16
65 +	83	0	6	78	0	0	109	1	9	124	1	4	139	0	8
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	446	0	26	423	0	23	633	1	46	671	2	37	741	1	34

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	2015		2016		2017		2018		2019	
	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	343	1	319	1	462	3	505	3	517	2
Speed too fast	56	0	59	1	78	1	94	2	117	0
Speed too slow	0	0	2	0	1	0	1	0	0	0
Failed to yield	27	0	22	0	24	0	23	1	23	0
Disregard traffic control	2	0	3	0	3	0	2	0	2	0
Drove wrong way	1	0	0	0	0	0	0	0	1	0
Drove left of center	1	0	2	0	2	0	5	0	4	0
Improper passing	1	0	2	0	2	0	3	0	5	0
Improper lane use	6	0	3	0	4	0	6	0	8	0
Improper turn	3	0	2	0	3	0	3	0	10	0
Improper/no signal	1	0	0	0	0	0	2	0	0	0
Improper backing	5	0	5	0	7	0	4	0	4	0
Unable to stop in assured clear distance	26	0	16	0	35	2	26	0	38	0
Other	16	0	14	0	10	0	16	0	25	1
Unknown	6	0	12	0	14	0	16	1	18	1
Reckless driving	4	0	4	0	8	0	0	0	0	0
Careless/negligent driving	21	1	27	0	29	0	19	0	26	0
Uncoded & errors	1	0	3	0	0	0	0	0	2	0
Total	520	2	495	2	682	6	725	7	800	4



The picture above represents all 2019 alcohol-involved fatal crashes in Mackinac County.

In 2019, there were 19 alcohol-involved crashes in Mackinac County:

- 2 K - Fatal Crashes
- 2 A - Suspected Serious Injury Crashes
- 4 B - Suspected Minor Injury Crashes
- 3 C - Possible Injury Crashes
- 8 O - Property Damage Only/No Injury Crashes

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