



2018

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)



Manistee County

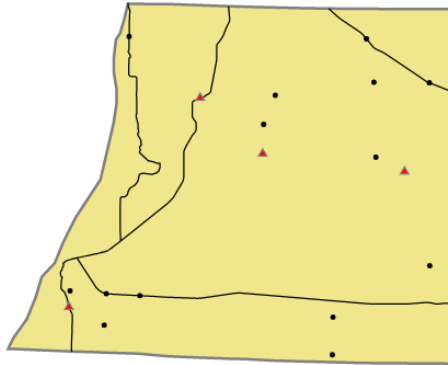
2018 Traffic Crash Data & 2014-2018 5-Year Trends



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 (4/4)
- A - Suspected Serious (14/14)

Manistee County

In 2018:

There were 1,211 drivers involved in 969 motor vehicle crashes in Manistee County. Of those crashes, 4 were classified as fatal, resulting in 4 fatalities. An additional 134 persons were injured.

Manistee County experienced the highest number of motor vehicle crashes (122) in November, the highest number of fatal crashes (1) and the highest number of persons killed (1) in September, October, November, and December.

Michigan driver statistics indicate 5.1 percent of licensed drivers in Manistee County were age 16-20, and 7.1 percent of drivers in crashes were also in that age group.

2018 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	102	0	9	93	0	13
February	72	0	4	68	0	6
March	69	0	6	63	0	8
April	72	0	5	67	0	7
May	52	0	8	44	0	11
June	79	0	13	66	0	16
July	67	0	7	60	0	8
August	69	0	12	57	0	16
September	65	1	10	54	1	13
October	102	1	7	94	1	10
November	122	1	10	111	1	17
December	98	1	8	89	1	9
Total	969	4	99	866	4	134

2018 - Driver Statistics

Age Group	Manistee County			Driver Rates	
	2018 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	3,707	128	3	8.1	234.4
16 - 20	1,257	980	86	684.2	877.6
21 - 24	1,094	883	85	777.0	962.6
25 - 64	12,152	11,117	761	626.2	684.5
65 +	6,318	5,997	201	318.1	335.2
Unknown	0	0	75	- -	- -
Total	24,528	19,105	1,211	493.7	633.9

2018 - 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	908	75.0	3	60.0	99	806
Motor home	1	0.1	0	0.0	1	0
Pickup truck	217	17.9	2	40.0	23	192
Small truck under 10,000 lbs. GVWR	7	0.6	0	0.0	1	6
Motorcycle	17	1.4	0	0.0	11	6
Moped / goped	1	0.1	0	0.0	1	0
Go-cart / golf cart	0	0.0	0	0.0	0	0
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	3	0.2	0	0.0	2	1
Other	9	0.7	0	0.0	1	8
Truck/bus over 10,000 lbs.	26	2.1	0	0.0	7	19
Unknown	22	1.8	0	0.0	2	20
Total	1,211	100.0	5	100.0	148	1,058

5-Year Trend - Crashes by Month

Month	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	96	0	81	0	71	0	90	0	102	0
February	84	0	79	0	60	0	66	0	72	0
March	87	0	46	0	63	0	70	1	69	0
April	64	0	67	0	58	1	42	0	72	0
May	70	0	55	0	74	0	54	0	52	0
June	82	0	84	0	84	0	71	1	79	0
July	69	0	87	0	88	0	83	0	67	0
August	61	0	72	0	58	0	67	0	69	0
September	59	1	65	0	84	2	94	1	65	1
October	70	0	75	0	108	0	94	0	102	1
November	125 †	0	116 †	0	109 †	0	129 †	0	122 †	1
December	67	1	83	0	105	0	107	0	98	1
Total	934	2	910	0	962	3	967	3	969	4

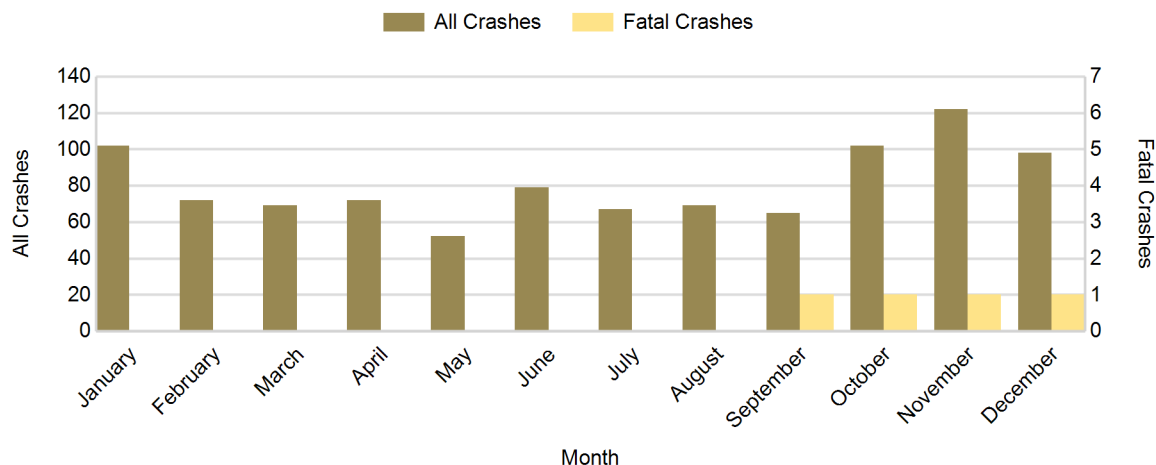
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

5-Year Trend - Crashes by Day of Week

Day	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	139	0	107	0	132	1	130	0	122	0
Tuesday	141	0	125	0	144	0	145	0	148	2
Wednesday	149	0	134	0	150	0	131	1	137	0
Thursday	128	1	124	0	133	1	142	0	131	0
Friday	152 †	0	150 †	0	150 †	0	161 †	0	185 †	1
Saturday	119	0	148	0	133	0	125	1	142	0
Sunday	106	1	122	0	120	1	133	1	104	1
Total	934	2	910	0	962	3	967	3	969	4

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

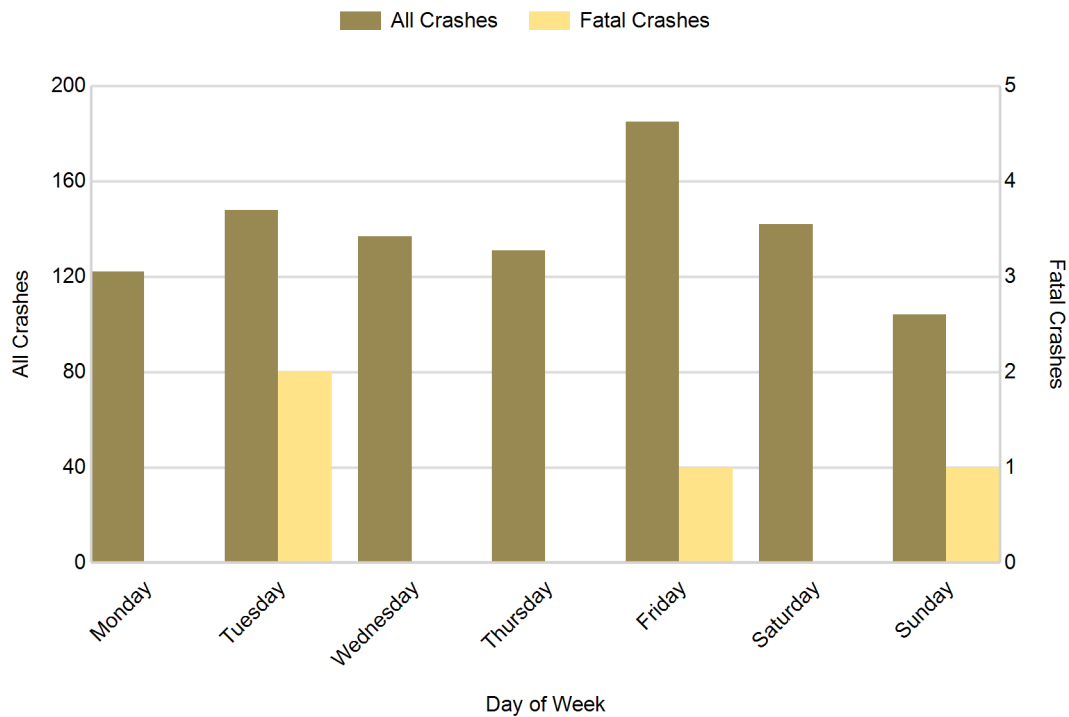
2018 Crashes by Month



2018 - 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	122	12.6	0	0.0	2	8	4	108
Tuesday	148	15.3	2	50.0	1	7	7	131
Wednesday	137	14.1	0	0.0	2	2	6	127
Thursday	131	13.5	0	0.0	1	7	3	120
Friday	185	19.1	1	25.0	1	10	10	163
Saturday	142	14.7	0	0.0	5	5	8	124
Sunday	104	10.7	1	25.0	2	3	5	93
Total	969	100.0	4	100.0	14	42	43	866

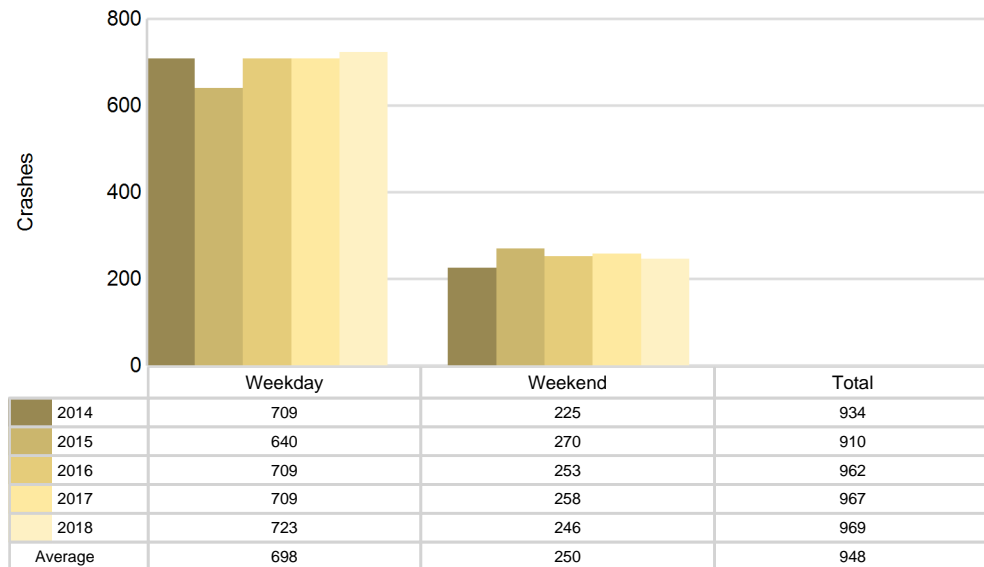
2018 Day of Week and Severity



5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	709	1	640	0	709	2	709	1	723	3
Weekend	225	1	270	0	253	1	258	2	246	1
Total	934	2	910	0	962	3	967	3	969	4

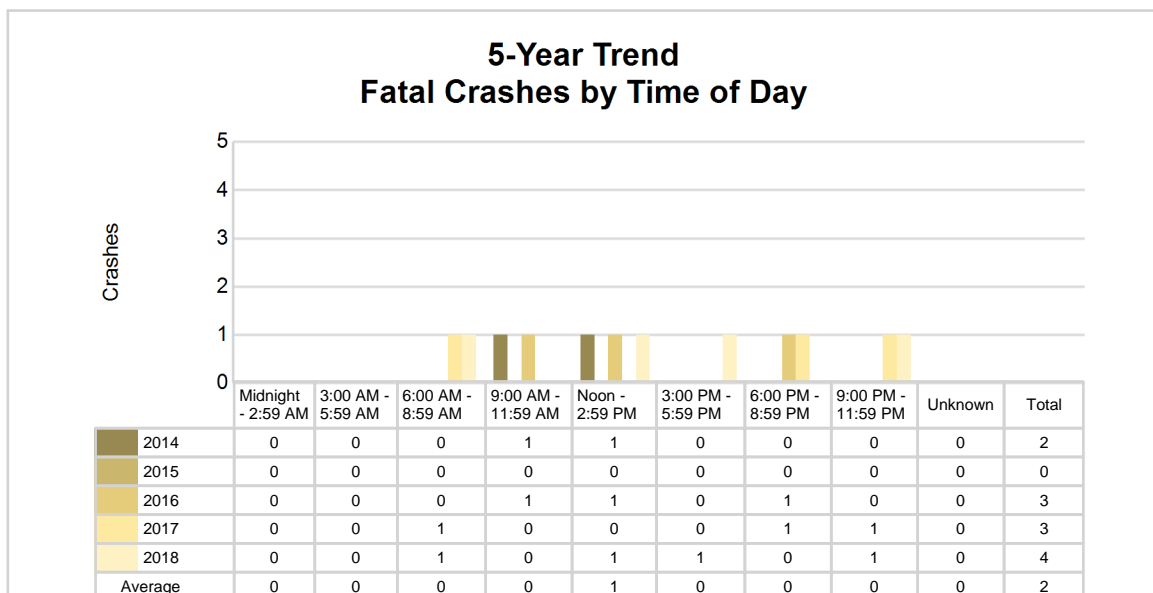
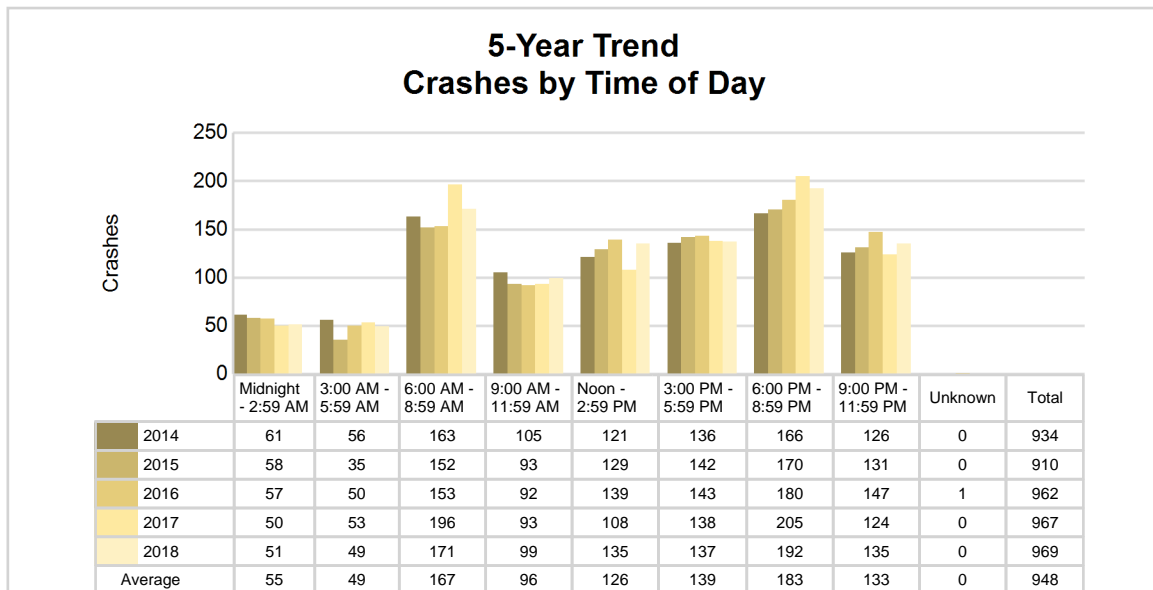
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

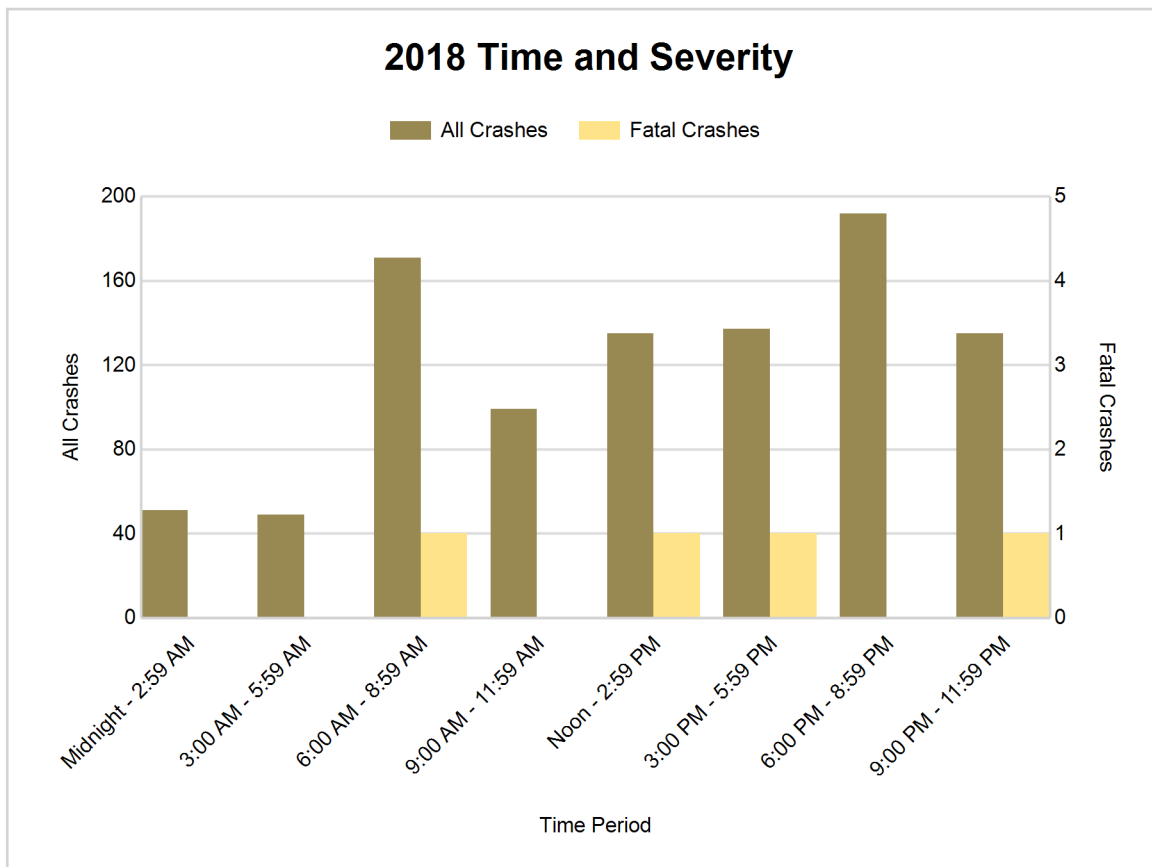
Time of Day	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	61	0	58	0	57	0	50	0	51	0
3:00 AM - 5:59 AM	56	0	35	0	50	0	53	0	49	0
6:00 AM - 8:59 AM	163	0	152	0	153	0	196	1	171	1
9:00 AM - 11:59 AM	105	1	93	0	92	1	93	0	99	0
Noon - 2:59 PM	121	1	129	0	139	1	108	0	135	1
3:00 PM - 5:59 PM	136	0	142	0	143	0	138	0	137	1
6:00 PM - 8:59 PM	166 †	0	170 †	0	180 †	1	205 †	1	192 †	0
9:00 PM - 11:59 PM	126	0	131	0	147	0	124	1	135	1
Unknown	0	0	0	0	1	0	0	0	0	0
Total	934	2	910	0	962	3	967	3	969	4

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



2018 - Time and Severity

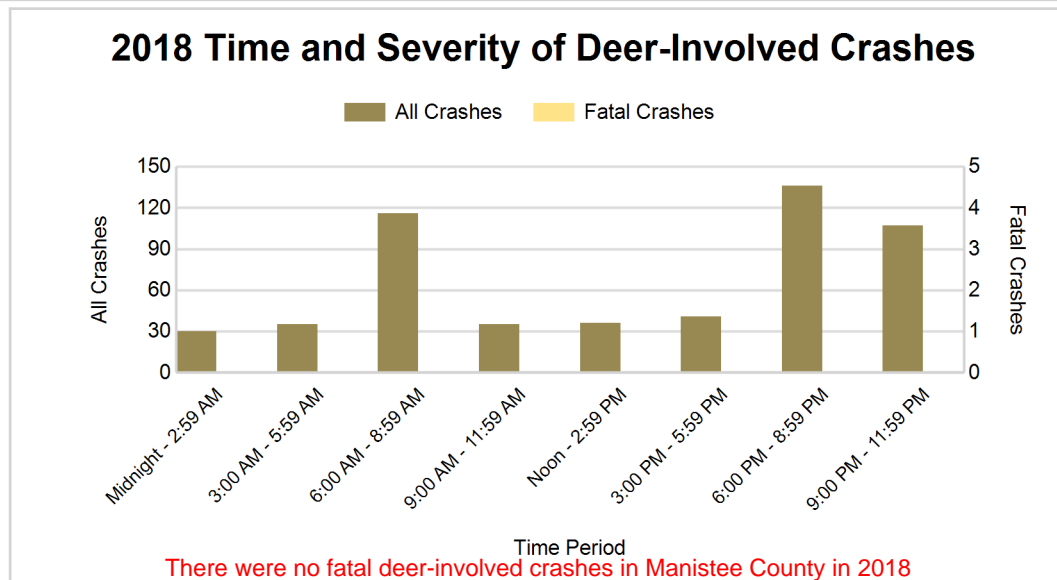
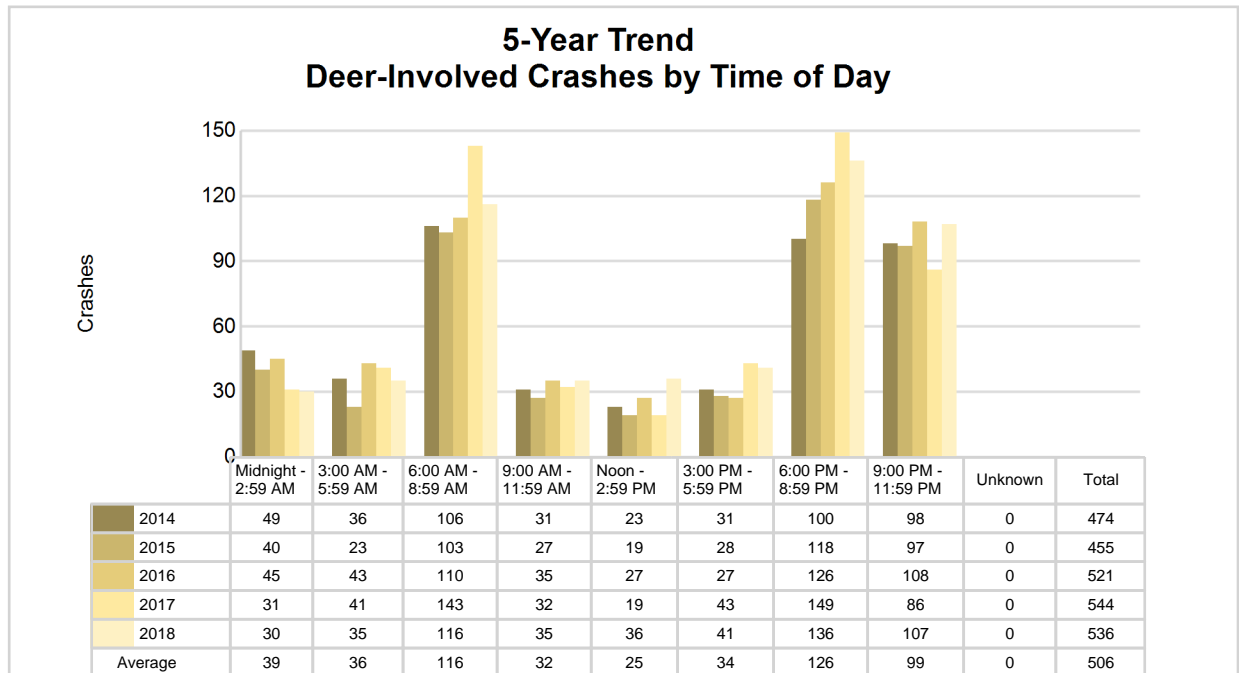
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	51	5.3	0	0.0	1	2	3	45
3:00 AM - 5:59 AM	49	5.1	0	0.0	0	0	1	48
6:00 AM - 8:59 AM	171	17.6	1	25.0	0	5	9	156
9:00 AM - 11:59 AM	99	10.2	0	0.0	1	4	8	86
Noon - 2:59 PM	135	13.9	1	25.0	3	13	10	108
3:00 PM - 5:59 PM	137	14.1	1	25.0	5	11	7	113
6:00 PM - 8:59 PM	192	19.8	0	0.0	1	6	3	182
9:00 PM - 11:59 PM	135	13.9	1	25.0	3	1	2	128
Unknown	0	0.0	0	0.0	0	0	0	0
Total	969	100.0	4	100.0	14	42	43	866



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

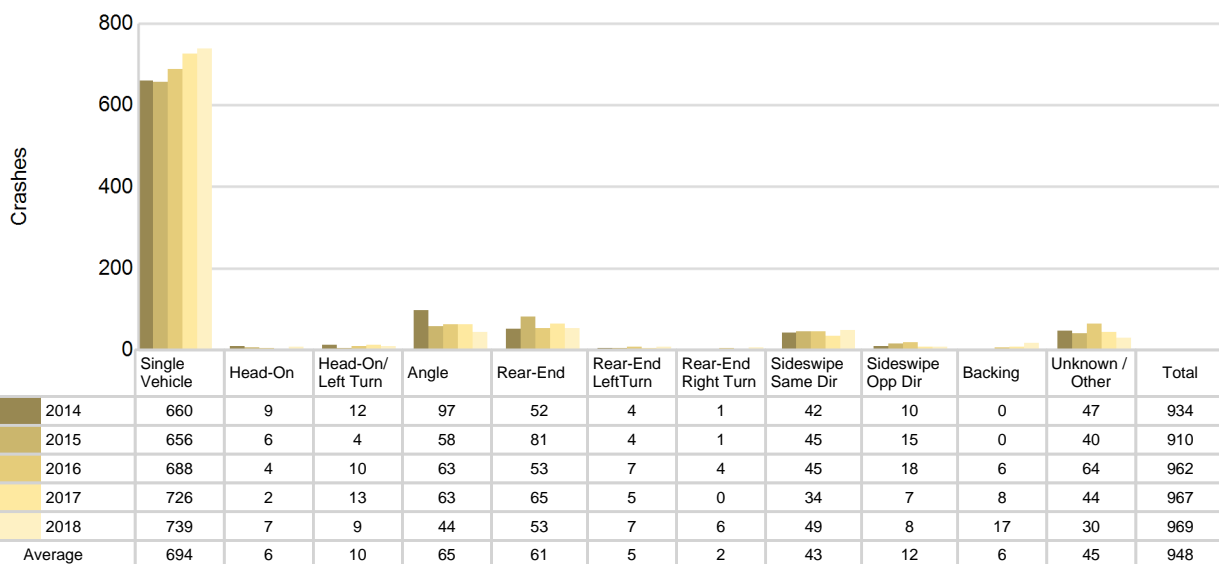
Time of Day	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	49	0	40	0	45	0	31	0	30	0
3:00 AM - 5:59 AM	36	0	23	0	43	0	41	0	35	0
6:00 AM - 8:59 AM	106	0	103	0	110	0	143	0	116	0
9:00 AM - 11:59 AM	31	0	27	0	35	0	32	0	35	0
Noon - 2:59 PM	23	0	19	0	27	0	19	0	36	0
3:00 PM - 5:59 PM	31	0	28	0	27	0	43	0	41	0
6:00 PM - 8:59 PM	100	0	118	0	126	0	149	0	136	0
9:00 PM - 11:59 PM	98	0	97	0	108	0	86	1	107	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	474	0	455	0	521	0	544	1	536	0

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 Crash Type

Crash Type	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Single motor vehicle	660	2	656	0	688	1	726	2	739	3
Head-on	9	0	6	0	4	1	2	0	7	0
Head-on / left turn	12	0	4	0	10	0	13	0	9	0
Angle	97	0	58	0	63	1	63	0	44	1
Rear-end	52	0	81	0	53	0	65	0	53	0
Rear-end left turn	4	0	4	0	7	0	5	0	7	0
Rear-end right turn	1	0	1	0	4	0	0	0	6	0
Sideswipe same direction	42	0	45	0	45	0	34	0	49	0
Sideswipe opposite direction	10	0	15	0	18	0	7	0	8	0
Backing	0	0	0	0	6	0	8	0	17	0
Other / Unknown	47	0	40	0	64	0	44	1	30	0
Uncoded and Errors	0	0	0	0	0	0	0	0	0	0
Total	934	2	910	0	962	3	967	3	969	4

5-Year Trend
Crashes by Crash Type

Manistee County (continued)

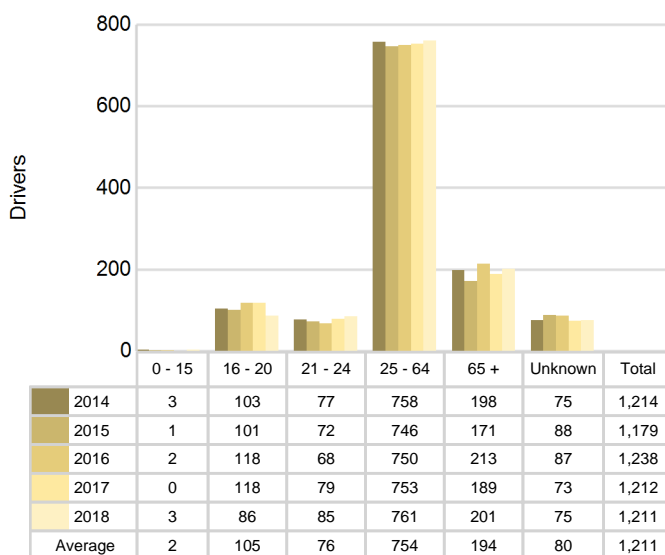
2018 - Reported Motor Vehicle Crashes by Municipality

Municipality	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Arcadia Twp.	32	0	2	30	0	0	23	9	0	0	25	0	2
Bear Lake	3	1	0	2	0	2	0	1	0	1	1	1	1
Bear Lake Twp.	68	1	8	59	0	26	0	42	2	0	44	1	8
Brown Twp.	37	0	1	36	0	5	0	32	1	1	28	0	1
Cleon Twp.	39	0	5	34	0	0	23	16	0	0	23	0	8
Copemish	4	0	1	3	0	0	4	0	0	0	3	0	2
Dickson Twp.	33	0	4	29	0	0	0	33	0	0	22	0	9
Eastlake	5	0	1	4	0	0	2	3	0	0	3	0	1
Filer Twp.	70	1	8	61	0	38	0	32	0	0	43	1	13
Kaleva	10	0	0	10	0	0	0	10	0	0	3	0	0
Manistee	160	0	18	142	0	70	0	90	12	3	13	0	23
Manistee Twp.	189	0	20	169	0	88	57	44	4	1	123	0	26
Maple Grove Twp.	47	0	4	43	0	0	0	47	1	1	34	0	5
Marilla Twp.	28	1	3	24	0	0	0	28	0	0	18	1	4
Norman Twp.	73	0	10	63	0	0	45	28	1	0	40	0	13
Onekama	9	0	1	8	0	0	6	3	0	0	5	0	1
Onekama Twp.	36	0	3	33	0	0	15	21	1	0	25	0	4
Pleasanton Twp.	33	0	2	31	0	16	0	17	0	0	21	0	3
Springdale Twp.	40	0	4	36	0	0	4	36	2	0	23	0	5
Stronach Twp.	53	0	4	49	0	0	34	19	0	1	39	0	5
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	969	4	99	866	0	245	213	511	24	8	536	4	134

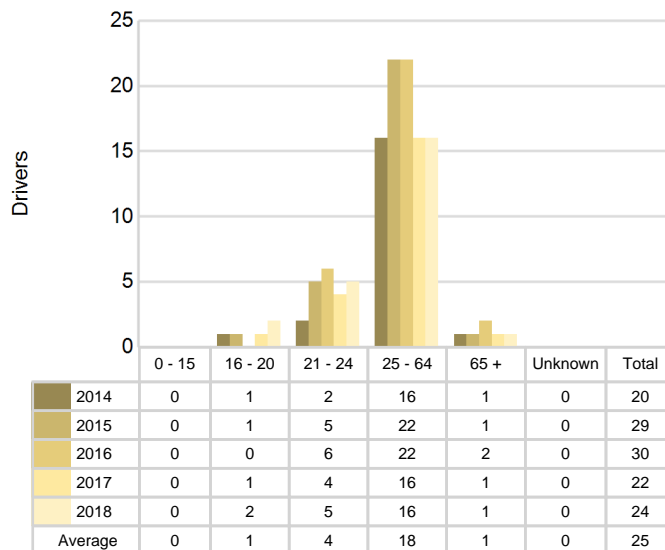
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2014		2015		2016		2017		2018	
	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	3	0	1	0	2	0	0	0	3	0
16 - 20	103	1	101	1	118	0	118	1	86	2
21 - 24	77	2	72	5	68	6	79	4	85	5
25 - 64	758	16	746	22	750	22	753	16	761	16
65 +	198	1	171	1	213	2	189	1	201	1
Unknown	75	0	88	0	87	0	73	0	75	0
Total	1,214	20	1,179	29	1,238	30	1,212	22	1,211	24

5-Year Trend Total Drivers in Crashes by Age



5-Year Trend Total Drivers Coded Drinking by Age



2018 - 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	1	0	0	0	0	0	0	0
16 - 20	2	4	2	2	0	1	1	0	0
21 - 24	5	2	2	5	0	0	0	1	4
25 - 64	19	19	13	16	0	1	5	6	4
65 +	1	1	1	1	0	1	0	0	0
Unknown	10	0	0	0	0	0	0	0	0
Total	37	27	18	24	0	3	6	7	8

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 2018, there were 37 drivers in alcohol-involved crashes; 24 (64.9%) of those drivers were coded as had-been-drinking by the officer on the crash form.

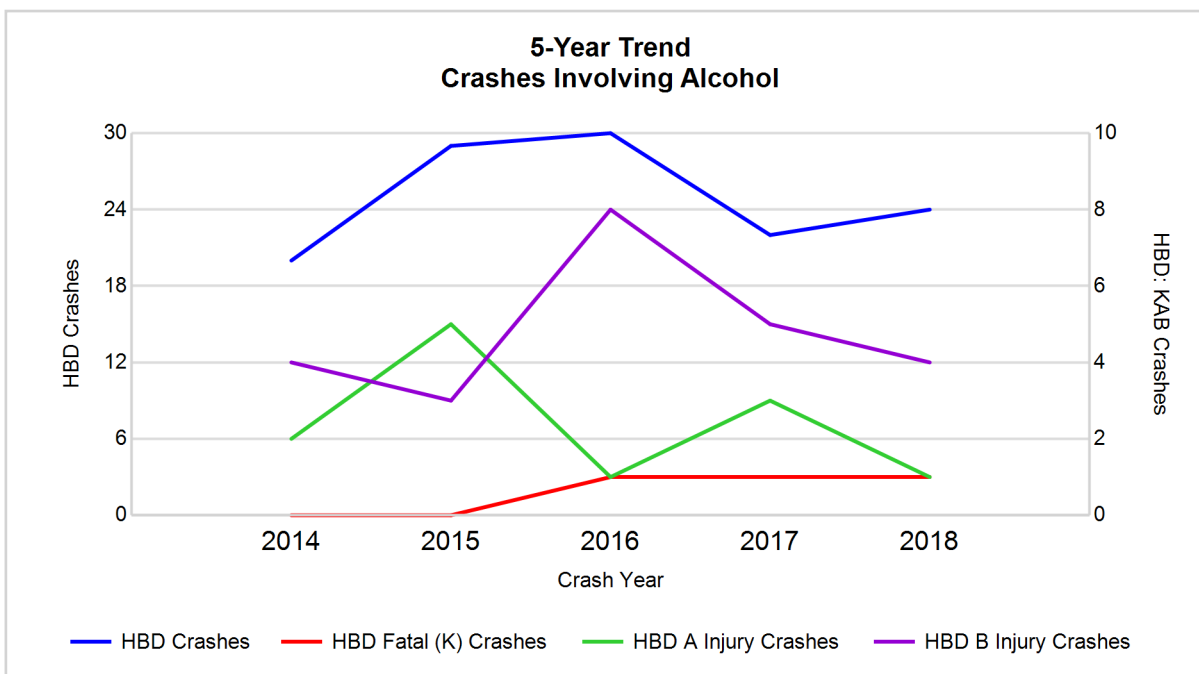
- 13 (54.2%) of the 24 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 7 (53.8%) of the 13 drivers had a BAC at or above 0.17 g/dL.
- 18 (75.0%) of the 24 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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
2014	934	20	2.1	2	0	0.0	8	2	25.0	22	4	18.2
2015	910	29	3.2	0	0	0.0	15	5	33.3	33	3	9.1
2016	962	30	3.1	3	1	33.3	13	1	7.7	30	8	26.7
2017	967	22	2.3	3	1	33.3	11	3	27.3	33	5	15.2
2018	969**	24	2.5	4**	1	25.0	14	1	7.1*	42**	4	9.5

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



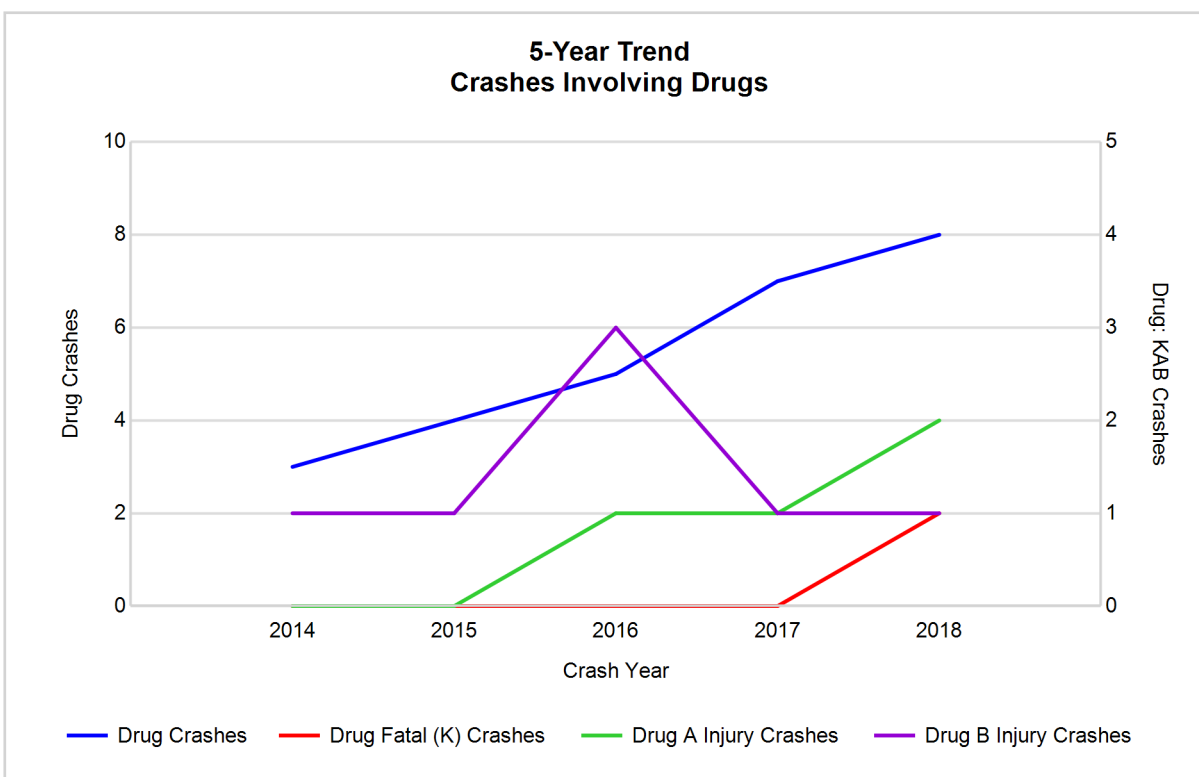
Note: Had-Been-Drinking (HBD)

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
2014	934	3	0.3	2	0	0.0	8	0	0.0	22	1	4.5
2015	910	4	0.4	0	0	0.0	15	0	0.0	33	1	3.0
2016	962	5	0.5	3	0	0.0	13	1	7.7	30	3	10.0
2017	967	7	0.7	3	0	0.0	11	1	9.1	33	1	3.0
2018	969**	8**	0.8**	4**	1**	25.0**	14	2**	14.3**	42**	1	2.4*

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

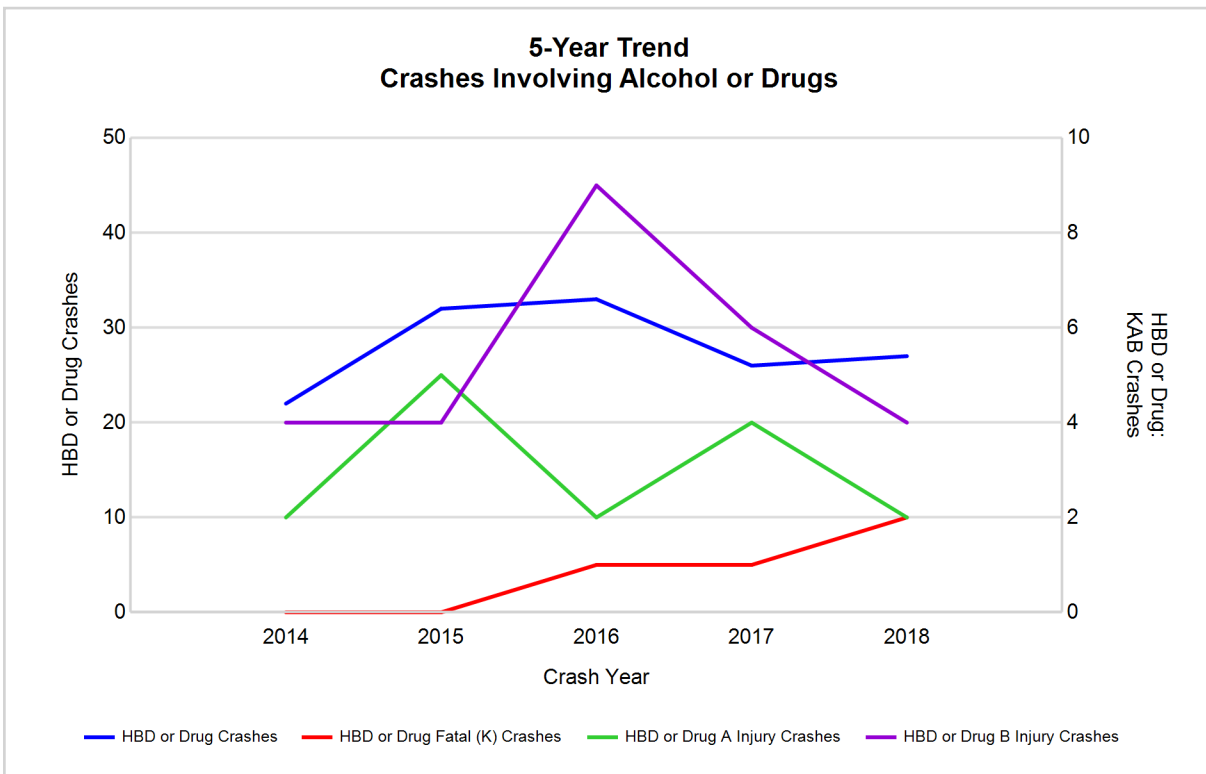


5-Year Trend - Crashes Involving Alcohol or Drugs

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
2014	934	22	2.4	2	0	0.0	8	2	25.0	22	4	18.2
2015	910	32	3.5	0	0	0.0	15	5	33.3	33	4	12.1
2016	962	33	3.4	3	1	33.3	13	2	15.4	30	9	30.0
2017	967	26	2.7	3	1	33.3	11	4	36.4	33	6	18.2
2018	969**	27	2.8	4**	2**	50.0**	14	2	14.3*	42**	4	9.5*

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)

2018 - 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	934	876	93.8	2	1	50.0	9	7	77.8	38	34	89.5	46	44	95.7	797	790	99.1
Motor home	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Pickup truck	221	209	94.6	1	0	0.0	4	3	75.0	7	7	100.0	6	6	100.0	194	193	99.5
Small truck under 10,000 lbs. GVWR	7	5	71.4	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	4	4	100.0
Motorcycle	19	15	78.9	0	0	0.0	3	3	100.0	8	7	87.5	2	2	100.0	6	3	50.0
Moped / goped	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	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	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	4	1	25.0	0	0	0.0	1	0	0.0	1	0	0.0	0	0	0.0	2	1	50.0
Other	9	6	66.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	7	6	85.7
Truck/bus over 10,000 lbs.	26	26	100.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	24	24	100.0
Unknown	22	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	1,244	1,138	91.5	3	1	0.0	17	13	76.5	55	49	89.1	57	54	94.7	1,035	1,021	98.6

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.

2018 - 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	14	13	92.9	0	0	0.0	0	0	0.0	7	7	100.0	4	3	75.0	3	3	100.0
16 - 20	91	87	95.6	0	0	0.0	2	1	50.0	7	6	85.7	7	7	100.0	75	73	97.3
21 - 24	85	82	96.5	0	0	0.0	2	1	50.0	2	2	100.0	3	3	100.0	78	76	97.4
25 - 64	771	752	97.5	2	0	0.0	9	7	77.8	20	16	80.0	31	29	93.5	707	700	99.0
65 +	208	204	98.1	1	1	100.0	4	4	100.0	19	18	94.7	12	12	100.0	171	169	98.8
Unknown	75	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Total	1,244	1,138	91.5	3	1	0.0	17	13	76.5	55	49	89.1	57	54	94.7	1,035	1,021	98.6

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.

5-Year Trend - Restraint Use Among Drivers

Restraint Use	2014			2015			2016			2017			2018		
	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	0	2	0	0	3	0	0	4	0	2	1	0	0
Shoulder belt only used	0	0	0	0	0	0	6	0	0	8	0	1	8	0	2
Lap belt only used	1	0	0	4	0	0	2	0	0	2	0	0	1	0	0
Both lap & shoulder belts used	1,085	1	104	1,043	0	89	1,104	1	90	1,100	2	89	1,085	1	74
No belts used	9	0	3	9	0	5	8	1	4	6	0	3	9	2	5
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	32	0	1	14	0	1	73	0	3	83	0	1	86	0	2
Helmet worn	9	0	6	13	0	12	12	0	9	6	0	4	14	0	10
Helmet not worn	1	0	1	4	0	4	3	0	3	3	1	1	5	0	3
Helmet use unknown	1	0	0	1	0	1	0	0	0	0	0	0	2	0	0
Uncoded & errors	74	0	0	89	0	0	26	0	0	0	0	0	0	0	0
Total	1,214	1	115	1,179	0	112	1,238	2	109	1,212	3	101	1,211	3	96

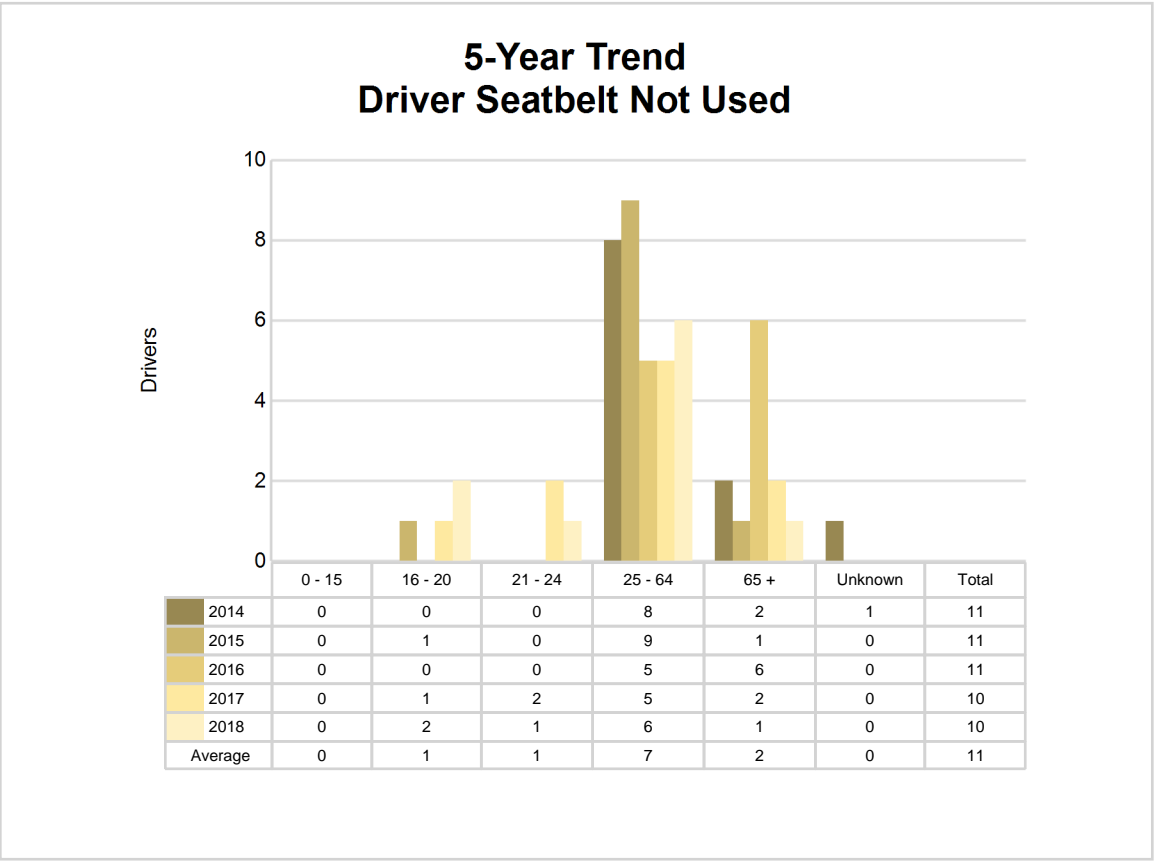
5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2014			2015			2016			2017			2018		
	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	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	17	0	5	22	0	8	25	0	9	22	1	10	15	0	1
No belts used	2	0	2	3	0	3	3	1	2	0	0	0	4	1	2
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	1	0	1	2	0	1	1	0	0	0	0	0	4	0	1
Helmet worn	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0
Helmet not worn	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Helmet use unknown	0	0	0	0	0	0	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	20	0	8	29	0	14	30	1	11	22	1	10	24	1	5

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

Age Group	2014			2015			2016			2017			2018		
	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 - 20	0	0	0	1	0	1	0	0	0	1	0	1	2	0	2
21 - 24	0	0	0	0	0	0	0	0	0	2	0	1	1	0	1
25 - 64	8	0	2	9	0	4	5	1	2	5	0	1	6	2	1
65 +	2	0	1	1	0	0	6	0	2	2	0	2	1	0	1
Unknown	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	11	0	3	11	0	5	11	1	4	10	0	5	10	2	5

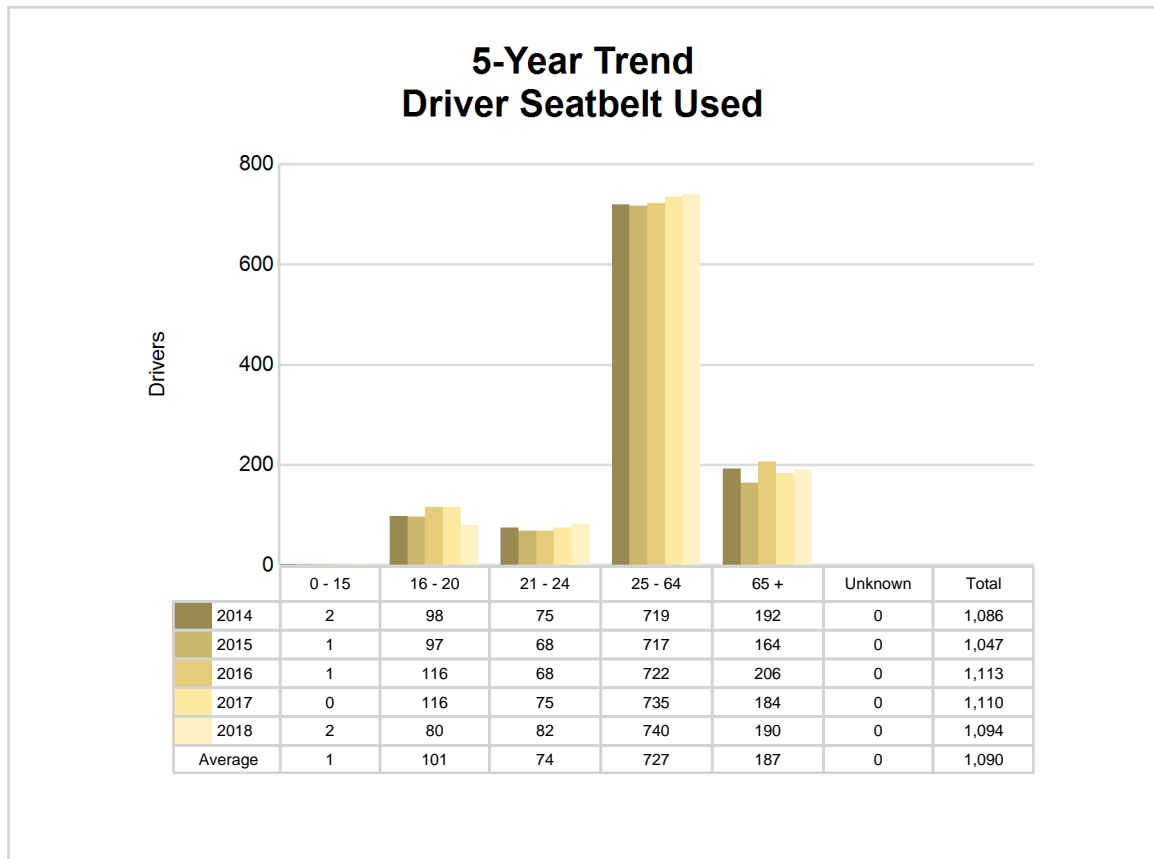
Note: Seatbelt Not Used includes no belts available or no belts used.



5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2014			2015			2016			2017			2018		
	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	1	0	0	0	0	0	2	0	0
16 - 20	98	0	16	97	0	11	116	0	10	116	0	13	80	0	8
21 - 24	75	0	8	68	0	8	68	0	8	75	1	9	82	0	6
25 - 64	719	1	60	717	0	52	722	0	55	735	1	59	740	0	41
65 +	192	0	20	164	0	18	206	1	17	184	0	9	190	1	21
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,086	1	104	1,047	0	89	1,113	1	90	1,110	2	90	1,094	1	76

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	2014		2015		2016		2017		2018	
	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	823	0	819	0	867	2	862	2	865	1
Speed too fast	106	1	78	0	57	0	74	0	74	0
Speed too slow	0	0	3	0	0	0	2	0	1	0
Failed to yield	78	0	47	0	71	0	65	0	52	1
Disregard traffic control	21	0	16	0	15	1	3	0	8	0
Drove wrong way	2	0	3	0	0	0	0	0	0	0
Drove left of center	1	0	6	0	8	1	6	0	3	0
Improper passing	4	0	3	0	6	0	4	0	6	0
Improper lane use	16	0	12	0	17	0	8	0	25	0
Improper turn	4	0	6	0	8	0	10	0	6	0
Improper/no signal	7	0	0	0	0	0	1	0	0	0
Improper backing	33	0	30	0	21	0	23	0	19	0
Unable to stop in assured clear distance	48	0	60	0	56	0	59	0	53	0
Other	35	1	44	0	39	0	29	0	31	0
Unknown	4	0	16	0	40	1	32	2	42	2
Reckless driving	2	0	5	0	2	0	0	0	7	0
Careless/negligent driving	30	0	31	0	31	0	34	0	19	1
Uncoded & errors	0	0	0	0	0	0	0	0	0	0
Total	1,214	2	1,179	0	1,238	5	1,212	4	1,211	5



The picture above represents all 2018 alcohol-involved fatal crashes in Manistee County.

In 2018, there were 24 alcohol-involved crashes in Manistee County:

- 1 K - Fatal Crash
- 1 A - Suspected Serious Injury Crash
- 4 B - Suspected Minor Injury Crashes
- 0 C - Possible Injury Crashes
- 18 O - Property Damage Only/No Injury Crashes

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