



2017

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

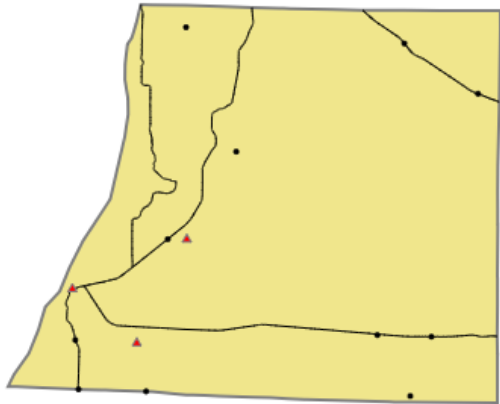
2017 Traffic Crash Data & 2013-2017 5-Year Trends



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 (11/11)

Manistee County

In 2017:

There were 1,212 drivers involved in 967 motor vehicle crashes in Manistee County. Of those crashes, 3 were classified as fatal, resulting in 3 fatalities. An additional 140 persons were injured.

Manistee County experienced the highest number of motor vehicle crashes (129) in November, the highest number of fatal crashes (1) and the highest number of persons killed (1) in March, June, and September.

Michigan driver statistics indicate 5.5 percent of licensed drivers in Manistee County were age 16-20, and 9.7 percent of drivers in crashes were also in that age group.

2017 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	90	0	9	81	0	11
February	66	0	5	61	0	7
March	70	1	9	60	1	11
April	42	0	5	37	0	9
May	54	0	6	48	0	9
June	71	1	9	61	1	12
July	83	0	9	74	0	11
August	67	0	12	55	0	18
September	94	1	8	85	1	12
October	94	0	9	85	0	18
November	129	0	10	119	0	12
December	107	0	8	99	0	10
Total	967	3	99	865	3	140

2017 - Driver Statistics

Age Group	Manistee County			Driver Rates	
	2017 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	3,701	114	0	0.0	0.0
16 - 20	1,292	1,037	118	913.3	1,137.9
21 - 24	1,091	897	79	724.1	880.7
25 - 64	12,203	11,145	753	617.1	675.6
65 +	6,140	5,793	189	307.8	326.3
Unknown	0	0	73	--	--
Total	24,427	18,986	1,212	496.2	638.4

2017 - 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	906	74.8	3	75.0	127	776
Motor home	1	0.1	0	0.0	0	1
Pickup truck	251	20.7	0	0.0	26	225
Small truck under 10,000 lbs. GVWR	5	0.4	0	0.0	0	5
Motorcycle	8	0.7	1	25.0	3	4
Moped / goped	1	0.1	0	0.0	1	0
Go-cart / golf cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.1	0	0.0	1	0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	1	0.1	0	0.0	1	0
Other	8	0.7	0	0.0	0	8
Truck/bus over 10,000 lbs.	16	1.3	0	0.0	2	14
Unknown	14	1.2	0	0.0	0	14
Total	1,212	100.0	4	100.0	161	1,047

5-Year Trend - Crashes by Month

Month	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	93	0	96	0	81	0	71	0	90	0
February	63	0	84	0	79	0	60	0	66	0
March	72	0	87	0	46	0	63	0	70	1
April	66	0	64	0	67	0	58	1	42	0
May	64	0	70	0	55	0	74	0	54	0
June	73	0	82	0	84	0	84	0	71	1
July	74	0	69	0	87	0	88	0	83	0
August	76	0	61	0	72	0	58	0	67	0
September	63	4	59	1	65	0	84	2	94	1
October	83	0	70	0	75	0	108	0	94	0
November	117 †	0	125 †	0	116 †	0	109 †	0	129 †	0
December	100	0	67	1	83	0	105	0	107	0
Total	944	4	934	2	910	0	962	3	967	3

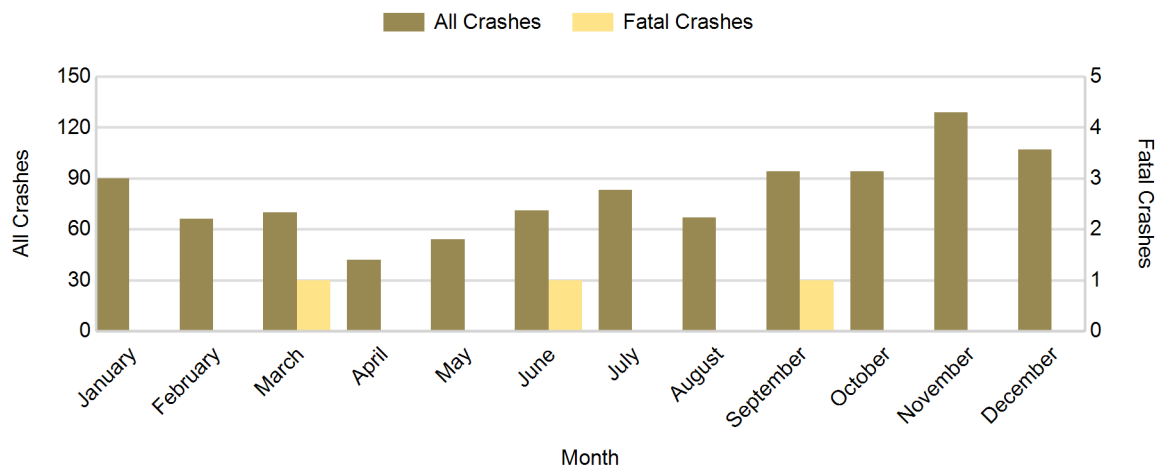
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

5-Year Trend - Crashes by Day of Week

Day	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	126	2	139	0	107	0	132	1	130	0
Tuesday	137	0	141	0	125	0	144	0	145	0
Wednesday	146	0	149	0	134	0	150	0	131	1
Thursday	133	1	128	1	124	0	133	1	142	0
Friday	142	0	152	0	150	0	150	0	161	0
Saturday	144	1	119	0	148	0	133	0	125	1
Sunday	116	0	106	1	122	0	120	1	133	1
Total	944	4	934	2	910	0	962	3	967	3

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

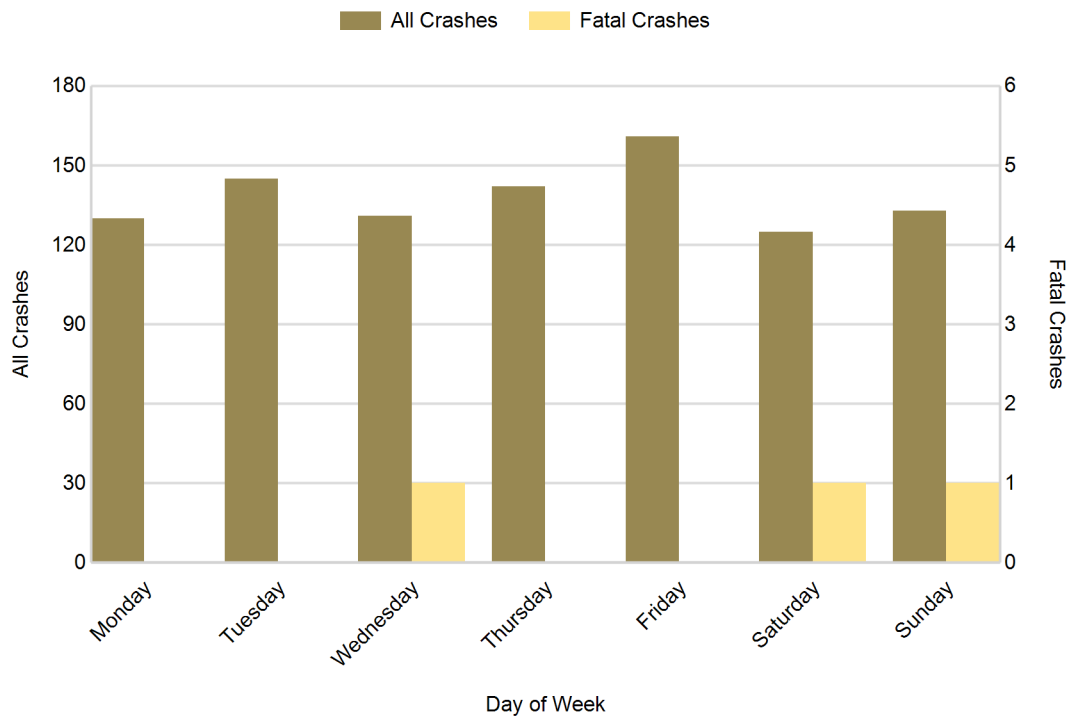
2017 Crashes by Month



2017 - 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	130	13.4	0	0.0	0	5	10	115
Tuesday	145	15.0	0	0.0	0	7	11	127
Wednesday	131	13.5	1	33.3	4	3	9	114
Thursday	142	14.7	0	0.0	1	10	5	126
Friday	161	16.6	0	0.0	1	4	12	144
Saturday	125	12.9	1	33.3	3	2	6	113
Sunday	133	13.8	1	33.3	2	2	2	126
Total	967	100.0	3	100.0	11	33	55	865

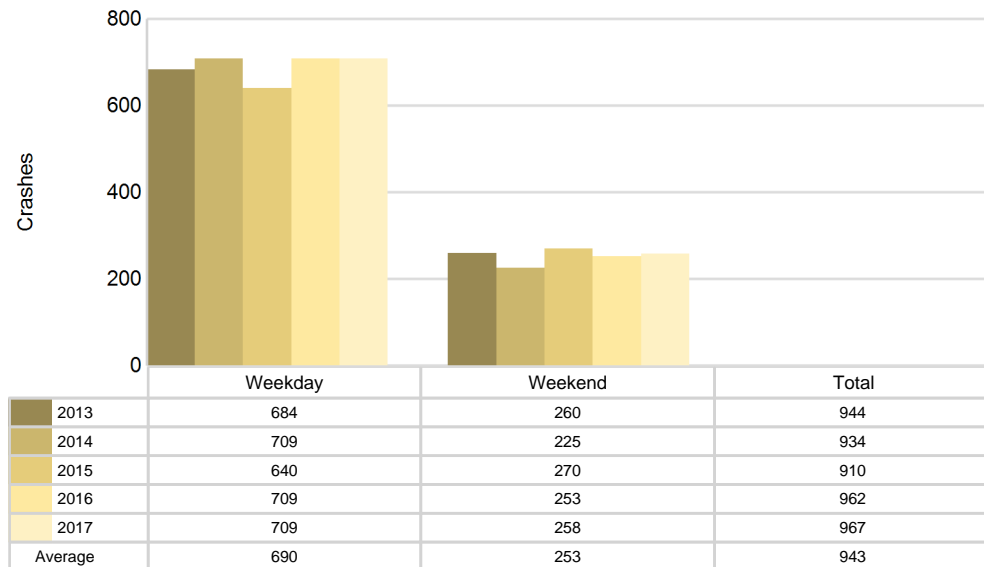
2017 Day of Week and Severity



5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	684	3	709	1	640	0	709	2	709	1
Weekend	260	1	225	1	270	0	253	1	258	2
Total	944	4	934	2	910	0	962	3	967	3

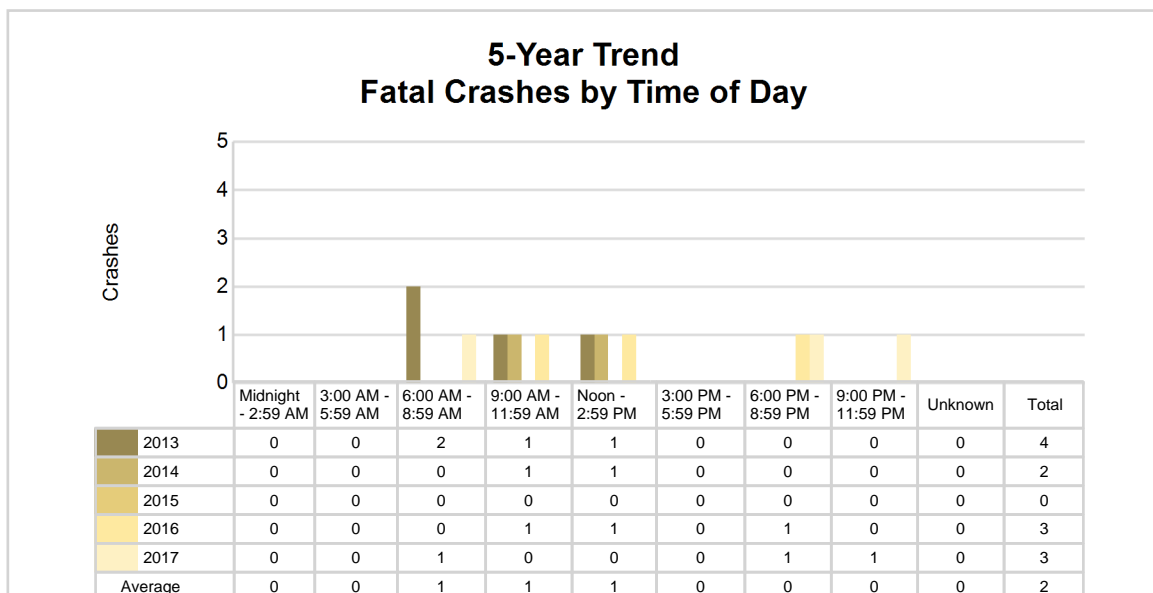
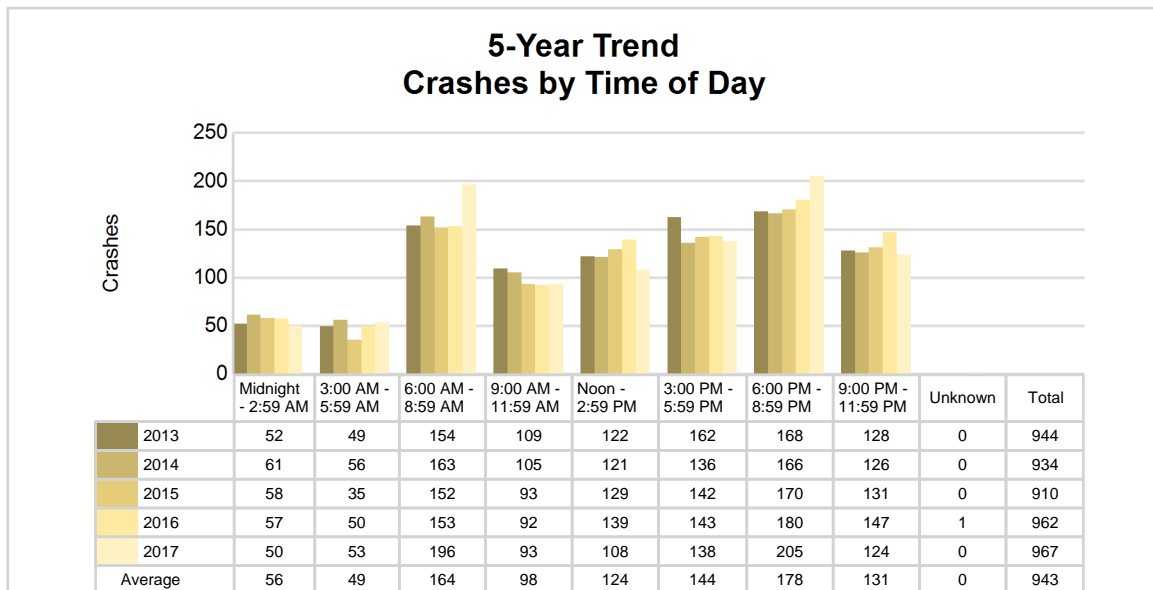
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

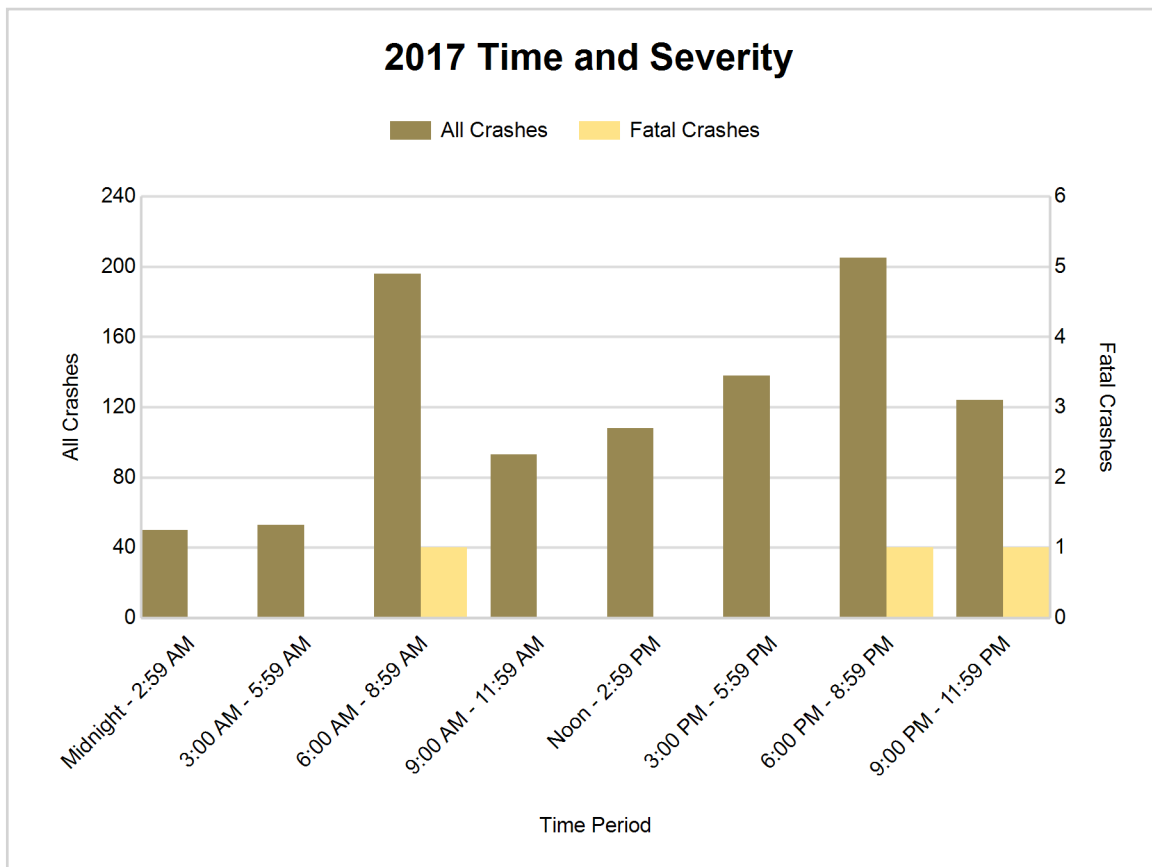
Time of Day	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	52	0	61	0	58	0	57	0	50	0
3:00 AM - 5:59 AM	49	0	56	0	35	0	50	0	53	0
6:00 AM - 8:59 AM	154	2	163	0	152	0	153	0	196	1
9:00 AM - 11:59 AM	109	1	105	1	93	0	92	1	93	0
Noon - 2:59 PM	122	1	121	1	129	0	139	1	108	0
3:00 PM - 5:59 PM	162	0	136	0	142	0	143	0	138	0
6:00 PM - 8:59 PM	168 †	0	166 †	0	170 †	0	180 †	1	205 †	1
9:00 PM - 11:59 PM	128	0	126	0	131	0	147	0	124	1
Unknown	0	0	0	0	0	0	1	0	0	0
Total	944	4	934	2	910	0	962	3	967	3

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



2017 - Time and Severity

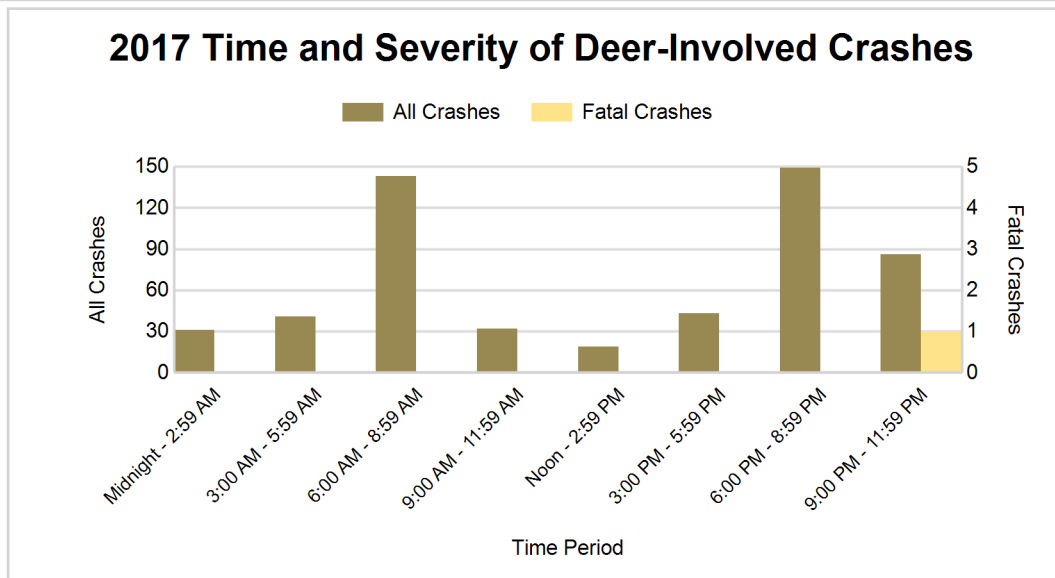
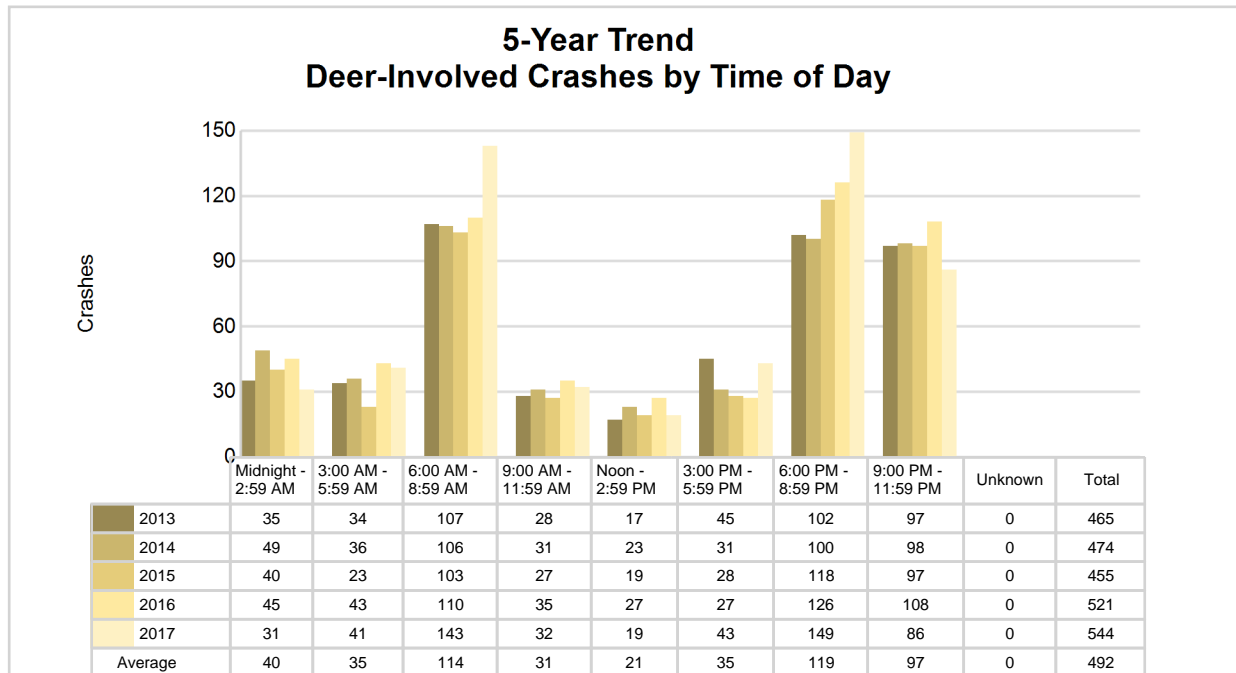
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	50	5.2	0	0.0	0	2	2	46
3:00 AM - 5:59 AM	53	5.5	0	0.0	0	1	0	52
6:00 AM - 8:59 AM	196	20.3	1	33.3	0	2	12	181
9:00 AM - 11:59 AM	93	9.6	0	0.0	2	0	6	85
Noon - 2:59 PM	108	11.2	0	0.0	2	7	9	90
3:00 PM - 5:59 PM	138	14.3	0	0.0	2	11	16	109
6:00 PM - 8:59 PM	205	21.2	1	33.3	3	8	5	188
9:00 PM - 11:59 PM	124	12.8	1	33.3	2	2	5	114
Unknown	0	0.0	0	0.0	0	0	0	0
Total	967	100.0	3	100.0	11	33	55	865



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

Time of Day	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	35	0	49	0	40	0	45	0	31	0
3:00 AM - 5:59 AM	34	0	36	0	23	0	43	0	41	0
6:00 AM - 8:59 AM	107	0	106	0	103	0	110	0	143	0
9:00 AM - 11:59 AM	28	0	31	0	27	0	35	0	32	0
Noon - 2:59 PM	17	0	23	0	19	0	27	0	19	0
3:00 PM - 5:59 PM	45	0	31	0	28	0	27	0	43	0
6:00 PM - 8:59 PM	102	0	100	0	118	0	126	0	149	0
9:00 PM - 11:59 PM	97	0	98	0	97	0	108	0	86	1
Unknown	0	0	0	0	0	0	0	0	0	0
Total	465	0	474	0	455	0	521	0	544	1

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



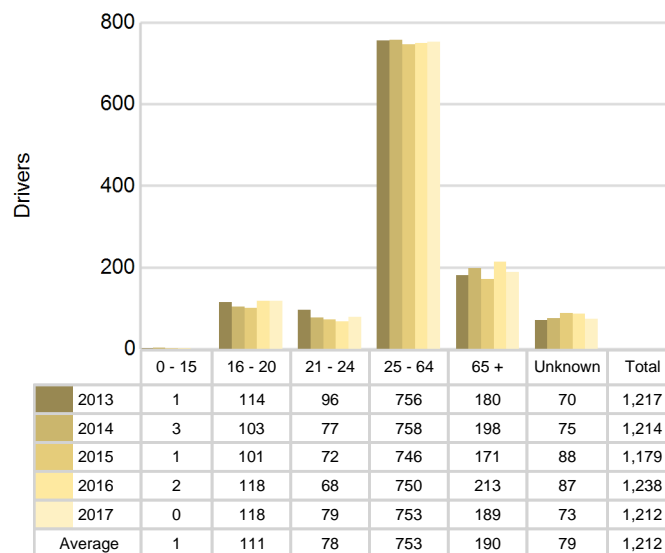
2017 - Reported Motor Vehicle Crashes by Municipality

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.	24	0	1	23	0	0	14	10	0	0	18	0	1
Bear Lake	1	0	0	1	0	1	0	0	0	0	0	0	0
Bear Lake Twp.	64	0	5	59	0	22	0	42	2	0	45	0	7
Brown Twp.	34	1	0	33	0	6	0	28	0	0	30	1	0
Cleon Twp.	32	0	2	30	0	0	16	16	2	0	21	0	4
Copemish	2	0	1	1	0	0	1	1	0	1	0	0	3
Dickson Twp.	41	0	5	36	0	0	0	41	1	1	25	0	5
Eastlake	5	0	0	5	0	0	1	4	0	0	3	0	0
Filer Twp.	75	0	12	63	0	49	0	25	1	0	35	0	23
Kaleva	5	0	0	5	0	0	0	5	0	0	3	0	0
Manistee	155	0	28	127	0	59	0	96	5	0	18	0	34
Manistee Twp.	205	1	13	191	0	98	47	60	2	1	137	1	19
Maple Grove Twp.	35	0	5	30	0	0	0	34	1	0	25	0	5
Marilla Twp.	27	0	1	26	0	0	0	27	1	0	22	0	2
Norman Twp.	62	0	8	54	0	0	40	22	1	1	34	0	9
Onekama	7	0	1	6	0	0	4	3	0	0	3	0	1
Onekama Twp.	51	0	4	47	0	0	25	26	1	0	25	0	5
Pleasanton Twp.	40	0	6	34	0	21	0	19	0	0	28	0	11
Springdale Twp.	46	0	4	42	0	0	4	42	1	1	29	0	4
Stronach Twp.	56	1	3	52	0	0	30	26	4	2	43	1	7
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	967	3	99	865	0	256	182	527	22	7	544	3	140

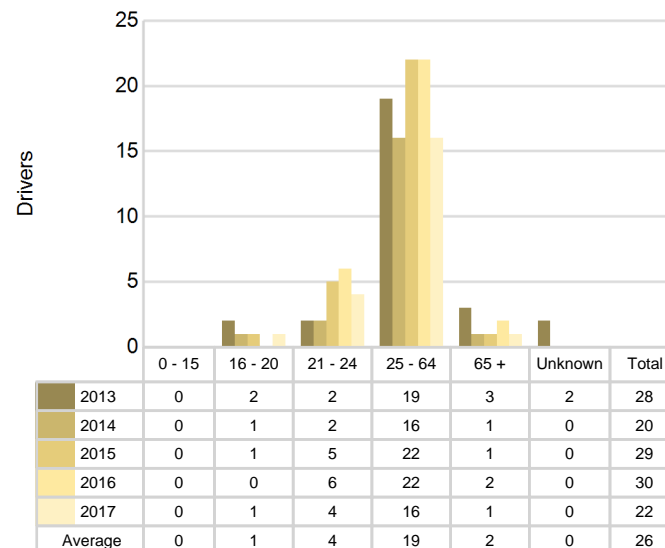
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2013		2014		2015		2016		2017	
	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	1	0	3	0	1	0	2	0	0	0
16 - 20	114	2	103	1	101	1	118	0	118	1
21 - 24	96	2	77	2	72	5	68	6	79	4
25 - 64	756	19	758	16	746	22	750	22	753	16
65 +	180	3	198	1	171	1	213	2	189	1
Unknown	70	2	75	0	88	0	87	0	73	0
Total	1,217	28	1,214	20	1,179	29	1,238	30	1,212	22

5-Year Trend Total Drivers in Crashes by Age



5-Year Trend Total Drivers Coded Drinking by Age



2017 - 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	1	1	1	1	0	0	0	0	1
21 - 24	4	3	3	4	0	1	2	0	1
25 - 64	20	21	15	16	0	1	2	7	6
65 +	1	1	0	1	0	0	0	0	1
Unknown	4	0	0	0	0	0	0	0	0
Total	30	26	19	22	0	2	4	7	9

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 2017, there were 30 drivers in alcohol-involved crashes; 22 (73.3%) of those drivers were coded as had-been-drinking by the officer on the crash form.

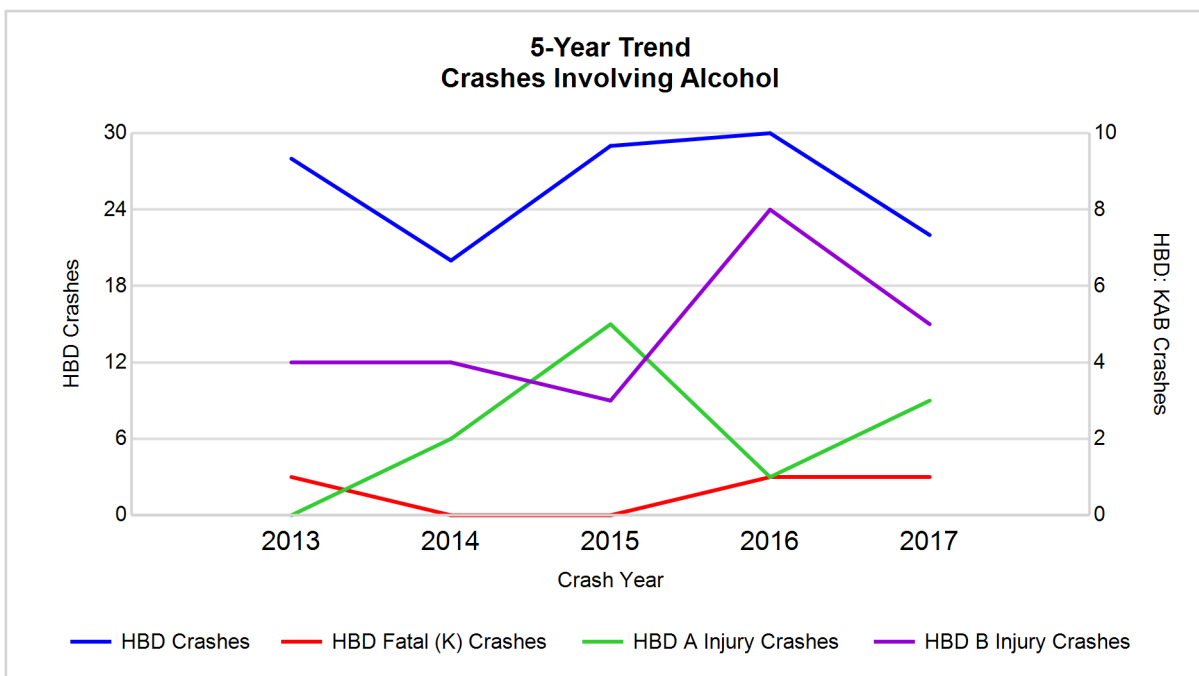
- 11 (50.0%) of the 22 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 7 (63.6%) of the 11 drivers had a BAC at or above 0.17 g/dL.
- 19 (86.4%) of the 22 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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
2013	944	28	3.0	4	1	25.0	12	0	0.0	30	4	13.3
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

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



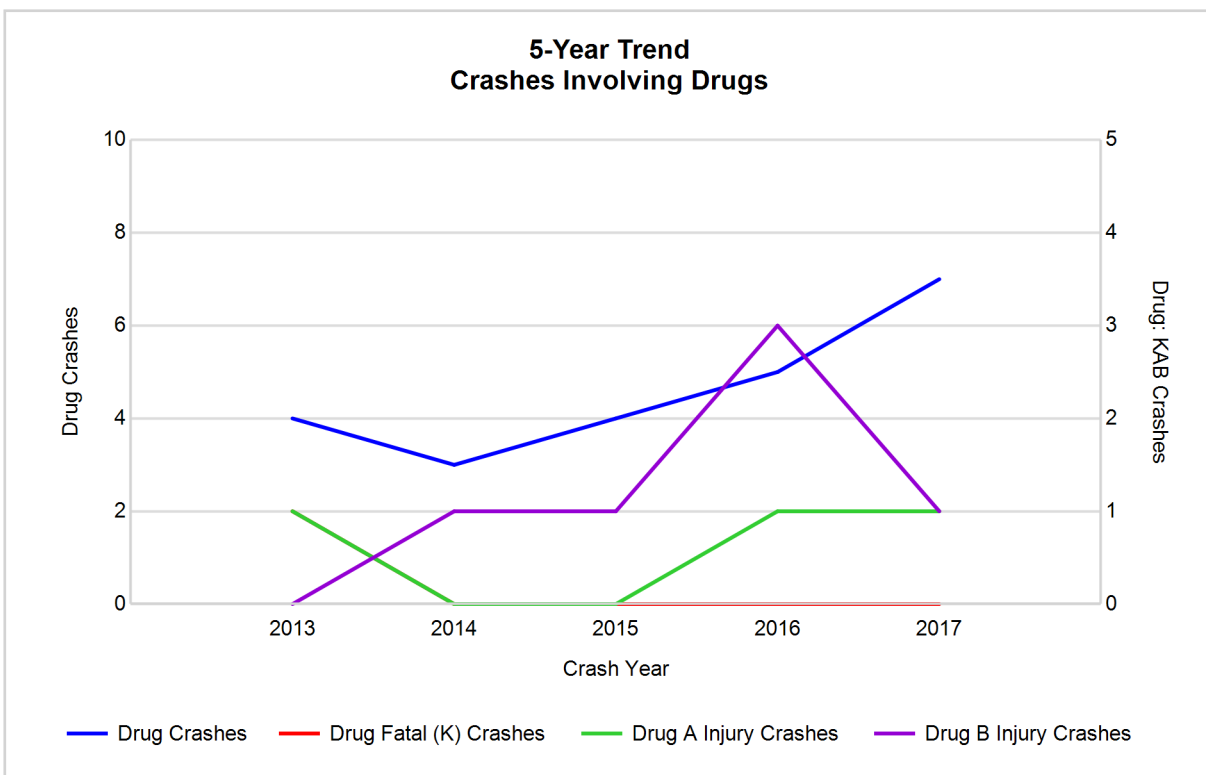
Note: Had-Been-Drinking (HBD)

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
2013	944	4	0.4	4	1	25.0	12	1	8.3	30	0	0.0
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

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

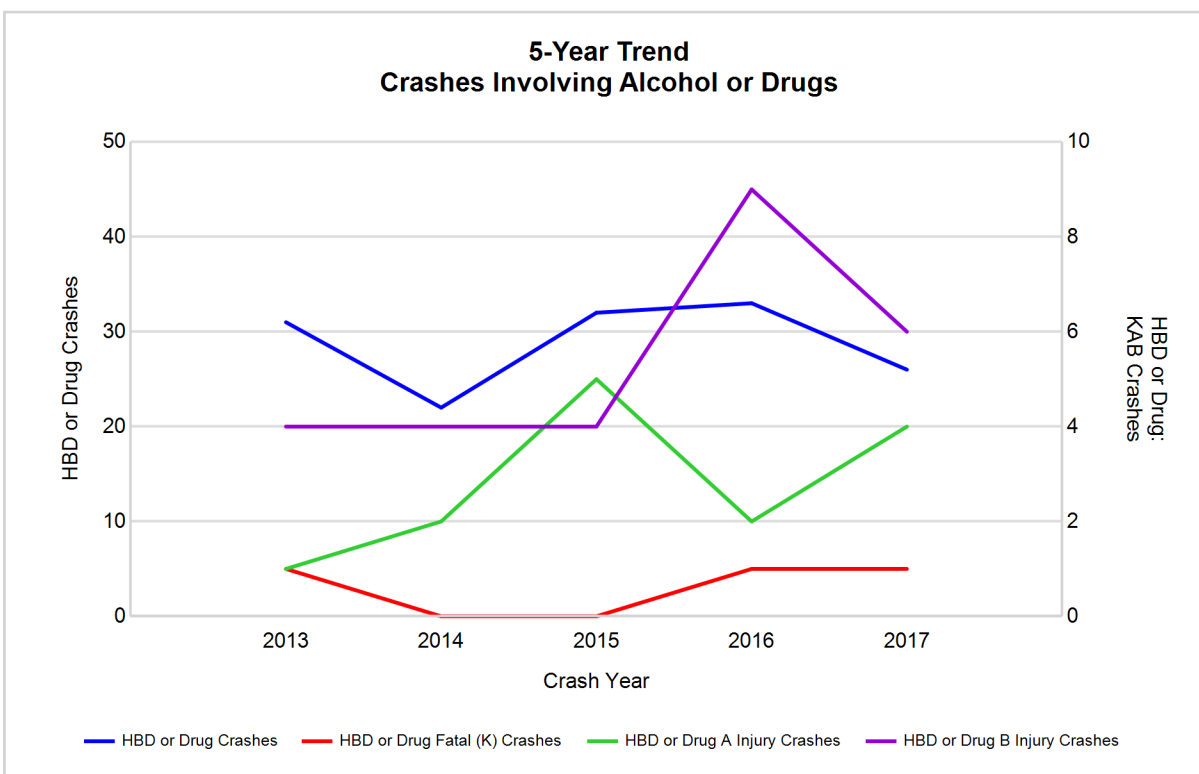


5-Year Trend - Crashes Involving Alcohol or Drugs

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
2013	944	31	3.3	4	1	25.0	12	1	8.3	30	4	13.3
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

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)

2017 - 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	940	879	93.5	2	2	100.0	9	8	88.9	31	27	87.1	75	72	96.0	778	770	99.0
Motor home	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Pickup truck	251	232	92.4	0	0	0.0	2	2	100.0	4	4	100.0	7	6	85.7	221	220	99.5
Small truck under 10,000 lbs. GVWR	5	5	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	5	100.0
Motorcycle	8	5	62.5	1	0	0.0	0	0	0.0	2	2	100.0	1	1	100.0	3	2	66.7
Moped / goped	1	0	0.0	0	0	0.0	0	0	0.0	1	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	2	2	100.0	0	0	0.0	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	1	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	8	7	87.5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	7	7	100.0
Truck/bus over 10,000 lbs.	16	16	100.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	15	15	100.0
Unknown	14	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	1,247	1,147	92.0	3	2	0.0	14	12	85.7	39	34	87.2	83	79	95.2	1,030	1,020	99.0

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.

2017 - 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	9	9	100.0	0	0	0.0	0	0	0.0	0	0	0.0	9	9	100.0	0	0	0.0
16 - 20	127	121	95.3	0	0	0.0	1	1	100.0	6	5	83.3	16	12	75.0	103	103	100.0
21 - 24	80	76	95.0	1	1	100.0	2	1	50.0	4	3	75.0	6	6	100.0	66	65	98.5
25 - 64	763	750	98.3	2	1	50.0	9	8	88.9	20	20	100.0	44	44	100.0	686	677	98.7
65 +	195	191	97.9	0	0	0.0	2	2	100.0	9	6	66.7	8	8	100.0	175	175	100.0
Unknown	73	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	1,247	1,147	92.0	3	2	0.0	14	12	85.7	39	34	87.2	83	79	95.2	1,030	1,020	99.0

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	2013			2014			2015			2016			2017		
	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	5	0	1	2	0	0	2	0	0	3	0	0	4	0	2
Shoulder belt only used	1	0	0	0	0	0	0	0	0	6	0	0	8	0	1
Lap belt only used	6	0	2	1	0	0	4	0	0	2	0	0	2	0	0
Both lap & shoulder belts used	1,082	2	95	1,085	1	104	1,043	0	89	1,104	1	90	1,100	2	89
No belts used	7	1	2	9	0	3	9	0	5	8	1	4	6	0	3
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	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Restraint use unknown	22	0	4	32	0	1	14	0	1	73	0	3	83	0	1
Helmet worn	13	0	11	9	0	6	13	0	12	12	0	9	6	0	4
Helmet not worn	8	0	8	1	0	1	4	0	4	3	0	3	3	1	1
Helmet use unknown	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0
Uncoded & errors	72	0	0	74	0	0	89	0	0	26	0	0	0	0	0
Total	1,217	3	123	1,214	1	115	1,179	0	112	1,238	2	109	1,212	3	101

5-Year Trend - Restraint Use Among Drivers Coded Drinking

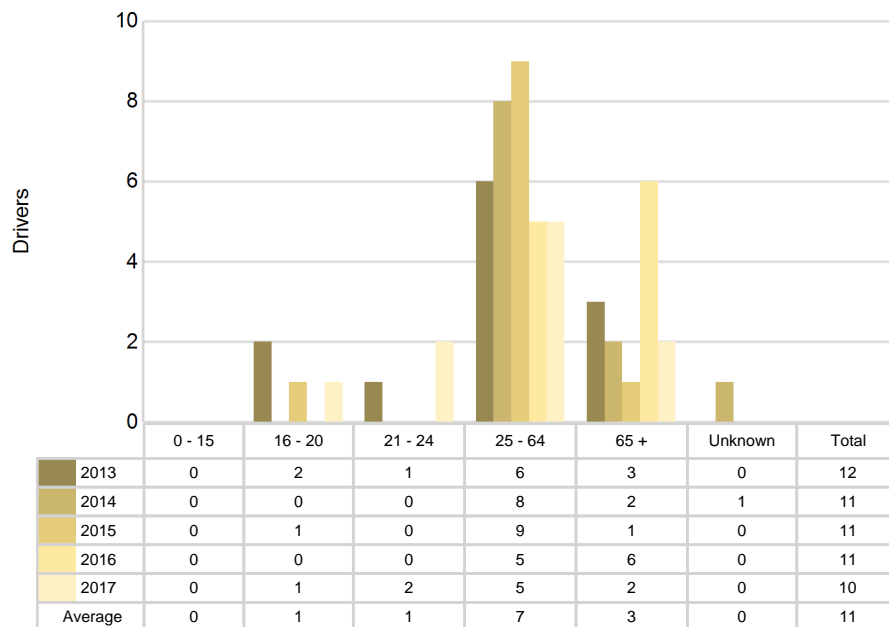
Restraint Use	2013			2014			2015			2016			2017		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shoulder belt 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	21	1	5	17	0	5	22	0	8	25	0	9	22	1	10
No belts used	0	0	0	2	0	2	3	0	3	3	1	2	0	0	0
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	3	0	1	1	0	1	2	0	1	1	0	0	0	0	0
Helmet worn	2	0	1	0	0	0	1	0	1	1	0	0	0	0	0
Helmet not worn	1	0	1	0	0	0	1	0	1	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	28	1	8	20	0	8	29	0	14	30	1	11	22	1	10

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

Age Group	2013			2014			2015			2016			2017		
	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	2	0	1	0	0	0	1	0	1	0	0	0	1	0	1
21 - 24	1	0	0	0	0	0	0	0	0	0	0	0	2	0	1
25 - 64	6	0	2	8	0	2	9	0	4	5	1	2	5	0	1
65 +	3	1	0	2	0	1	1	0	0	6	0	2	2	0	2
Unknown	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Total	12	1	3	11	0	3	11	0	5	11	1	4	10	0	5

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

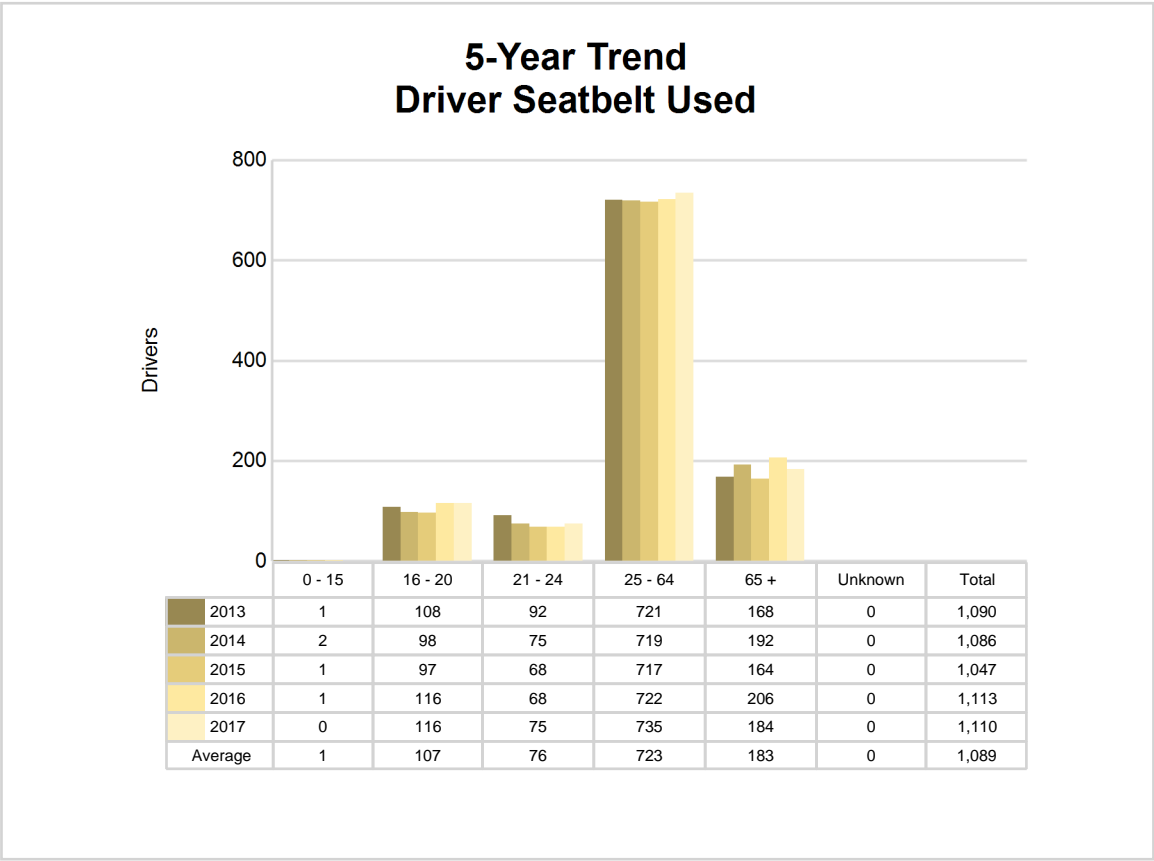
5-Year Trend Driver Seatbelt Not Used



5-Year Trend - Seatbelt Used Among Drivers by Age

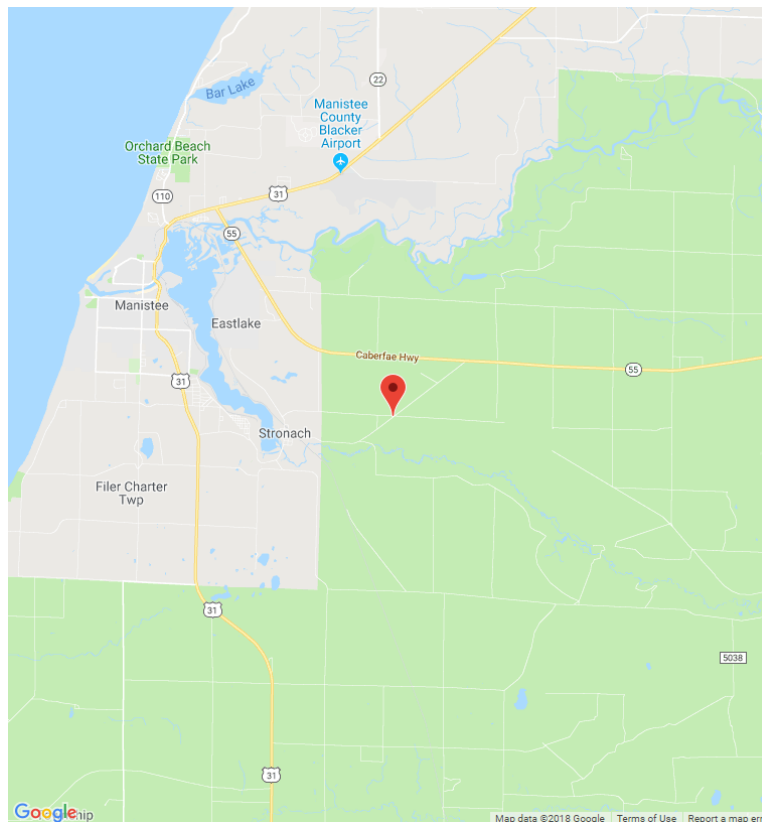
Age Group	2013			2014			2015			2016			2017		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	1	0	0	2	0	0	1	0	0	1	0	0	0	0	0
16 - 20	108	1	13	98	0	16	97	0	11	116	0	10	116	0	13
21 - 24	92	0	6	75	0	8	68	0	8	68	0	8	75	1	9
25 - 64	721	0	58	719	1	60	717	0	52	722	0	55	735	1	59
65 +	168	1	20	192	0	20	164	0	18	206	1	17	184	0	9
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,090	2	97	1,086	1	104	1,047	0	89	1,113	1	90	1,110	2	90

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	2013		2014		2015		2016		2017	
	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	776	2	823	0	819	0	867	2	862	2
Speed too fast	131	1	106	1	78	0	57	0	74	0
Speed too slow	3	0	0	0	3	0	0	0	2	0
Failed to yield	68	1	78	0	47	0	71	0	65	0
Disregard traffic control	18	1	21	0	16	0	15	1	3	0
Drove wrong way	0	0	2	0	3	0	0	0	0	0
Drove left of center	9	0	1	0	6	0	8	1	6	0
Improper passing	4	0	4	0	3	0	6	0	4	0
Improper lane use	10	0	16	0	12	0	17	0	8	0
Improper turn	3	0	4	0	6	0	8	0	10	0
Improper/no signal	3	0	7	0	0	0	0	0	1	0
Improper backing	30	0	33	0	30	0	21	0	23	0
Unable to stop in assured clear distance	60	0	48	0	60	0	56	0	59	0
Other	42	0	35	1	44	0	39	0	29	0
Unknown	14	1	4	0	16	0	40	1	32	2
Reckless driving	6	0	2	0	5	0	2	0	0	0
Careless/negligent driving	40	0	30	0	31	0	31	0	34	0
Uncoded & errors	0	0	0	0	0	0	0	0	0	0
Total	1,217	6	1,214	2	1,179	0	1,238	5	1,212	4



The picture above represents all 2017 alcohol-involved fatal crashes in Manistee County.

In 2017, there were 22 alcohol-involved crashes in Manistee County:

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

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