



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)



Arenac County

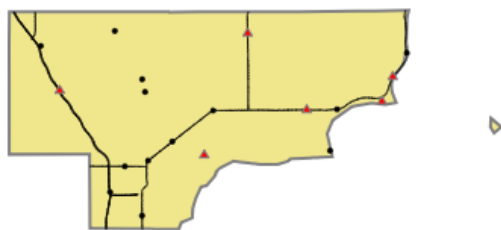
2017 Traffic Crash Data & 2013-2017 5-Year Trends



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.

This page left intentionally blank



Crashes by most severe injury (mapped/actual)

- ▲ K - Fatal (6/6)
- A - Suspected Serious (13/13)

Arenac County

In 2017:

There were 905 drivers involved in 737 motor vehicle crashes in Arenac County. Of those crashes, 6 were classified as fatal, resulting in 7 fatalities. An additional 131 persons were injured.

Arenac County experienced the highest number of motor vehicle crashes (107) in November, the highest number of fatal crashes (2) in April and June, and the highest number of persons killed (2) in April, June, and October.

Michigan driver statistics indicate 5.5 percent of licensed drivers in Arenac County were age 16-20, and 9.0 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	58	0	10	48	0	13
February	45	0	6	39	0	7
March	43	0	5	38	0	6
April	46	2	8	36	2	10
May	53	0	13	40	0	14
June	64	2	6	56	2	8
July	67	1	10	56	1	14
August	47	0	9	38	0	15
September	50	0	7	43	0	7
October	86	1	10	75	2	12
November	107	0	6	101	0	9
December	71	0	11	60	0	16
Total	737	6	101	630	7	131

2017 - Driver Statistics

Age Group	Arenac County			Driver Rates	
	2017 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	2,383	79	2	8.4	253.2
16 - 20	749	661	81	1,081.4	1,225.4
21 - 24	589	572	67	1,137.5	1,171.3
25 - 64	7,618	7,289	590	774.5	809.4
65 +	3,706	3,516	148	399.4	420.9
Unknown	0	0	17	- -	- -
Total	15,045	12,117	905	601.5	746.9

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	685	75.7	8	88.9	107	570
Motor home	5	0.6	0	0.0	0	5
Pickup truck	175	19.3	0	0.0	28	147
Small truck under 10,000 lbs. GVWR	2	0.2	0	0.0	0	2
Motorcycle	8	0.9	0	0.0	7	1
Moped / goped	0	0.0	0	0.0	0	0
Go-cart / golf cart	1	0.1	0	0.0	0	1
Snowmobile	1	0.1	0	0.0	1	0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	0	0.0	0	0.0	0	0
Other	2	0.2	0	0.0	0	2
Truck/bus over 10,000 lbs.	21	2.3	0	0.0	4	17
Unknown	5	0.6	1	11.1	2	2
Total	905	100.0	9	100.0	149	747

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	52	0	72	0	43	0	82	0	58	0
February	56	2	36	0	39	0	61	0	45	0
March	46	0	55	0	46	0	42	0	43	0
April	42	0	54	0	37	0	55	0	46	2
May	57	0	46	0	67	0	59	0	53	0
June	71	1	69	1	55	0	65	0	64	2
July	50	3	65	0	61	0	63	1	67	1
August	46	0	44	0	40	0	44	0	47	0
September	41	0	38	0	55	0	39	0	50	0
October	73	1	63	1	74	1	30	0	86	1
November	90	0	92	0	108	1	34	0	107	0
December	78	0	57	0	22	0	55	0	71	0
Total	702	7	691	2	647	2	629	1	737	6

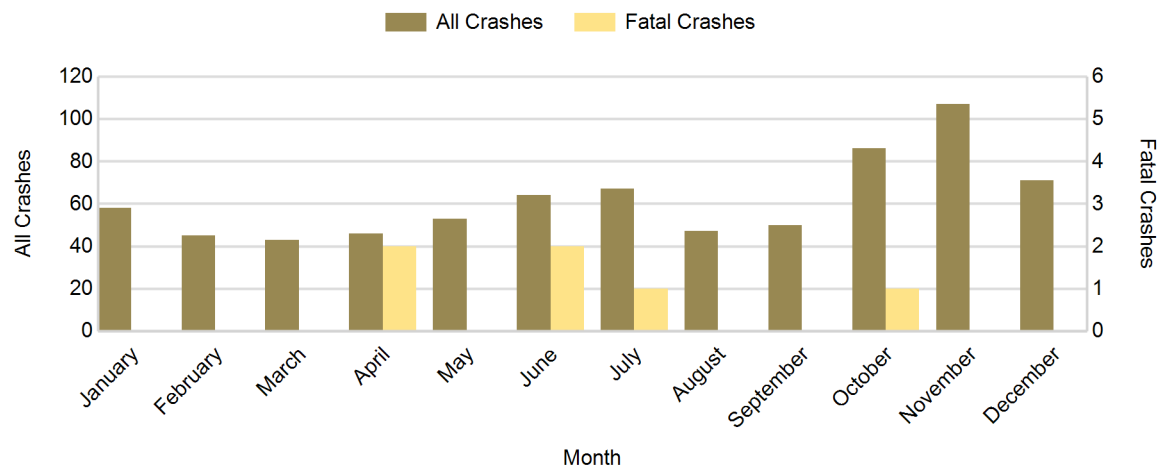
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

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	82	0	102	0	93	0	83	0	112	0
Tuesday	106	2	67	0	90	0	83	1	94	1
Wednesday	83	1	104	1	78	1	74	0	99	1
Thursday	106	0	96	0	92	0	93	0	114	2
Friday	108	1	118	0	129	0	123	0	104	0
Saturday	110	2	93	1	81	1	77	0	100	0
Sunday	107	1	111	0	84	0	96	0	114	2
Total	702	7	691	2	647	2	629	1	737	6

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

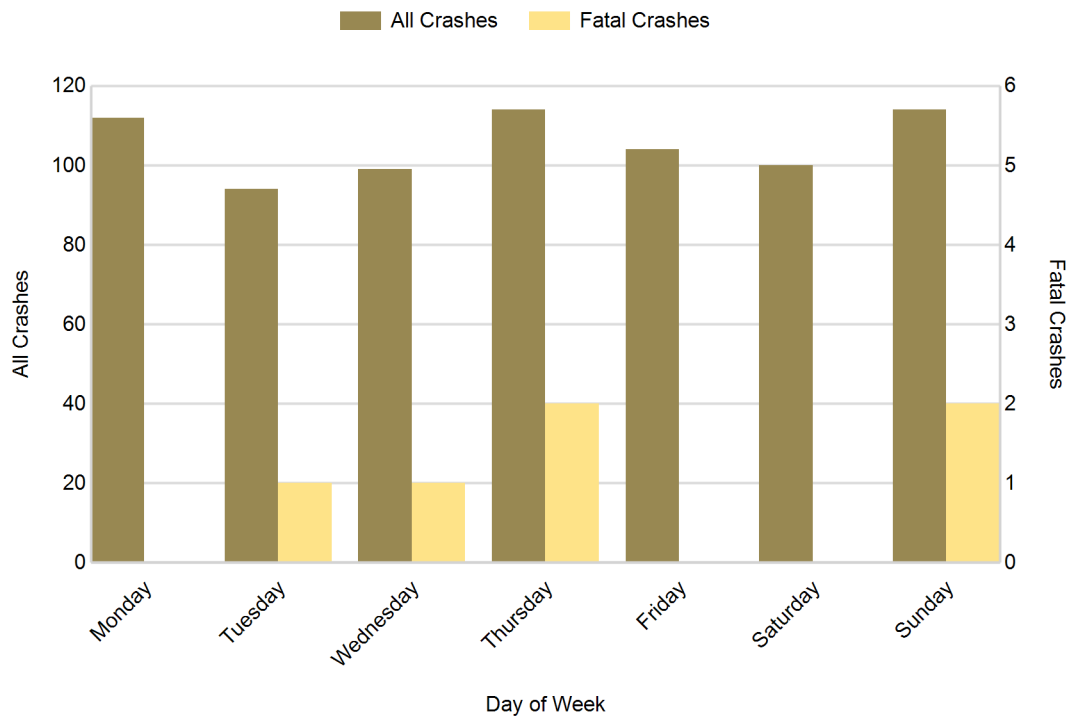
2017 Crashes by Month



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	112	15.2	0	0.0	2	5	10	95
Tuesday	94	12.8	1	16.7	2	2	6	83
Wednesday	99	13.4	1	16.7	1	7	10	80
Thursday	114	15.5	2	33.3	5	6	5	96
Friday	104	14.1	0	0.0	0	5	9	90
Saturday	100	13.6	0	0.0	2	6	8	84
Sunday	114	15.5	2	33.3	1	4	5	102
Total	737	100.0	6	100.0	13	35	53	630

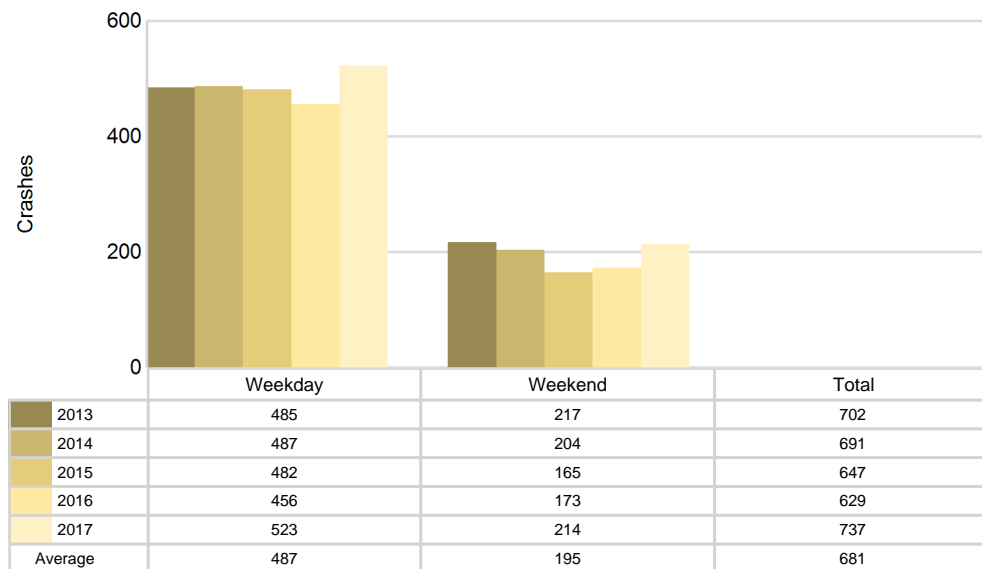
2017 Day of Week and Severity



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	485	4	487	1	482	1	456	1	523	4
Weekend	217	3	204	1	165	1	173	0	214	2
Total	702	7	691	2	647	2	629	1	737	6

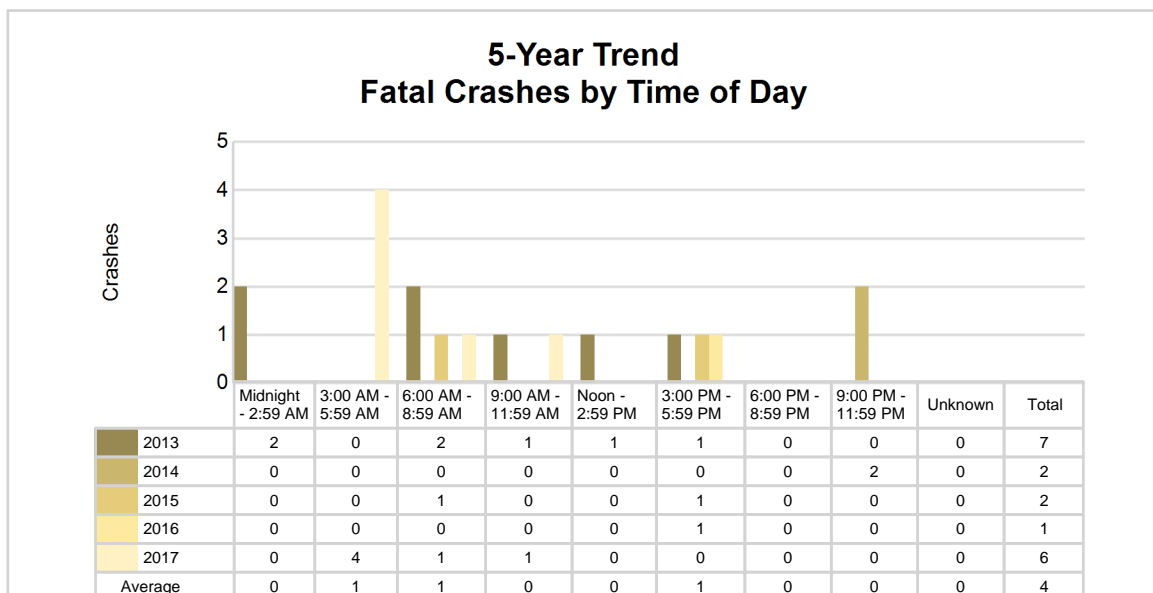
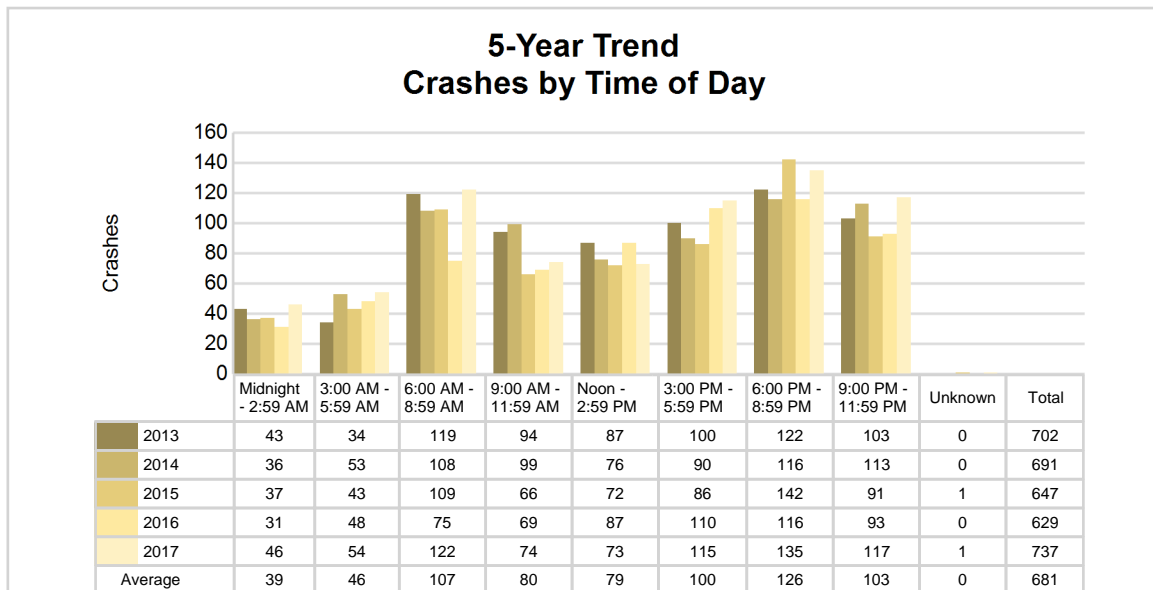
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

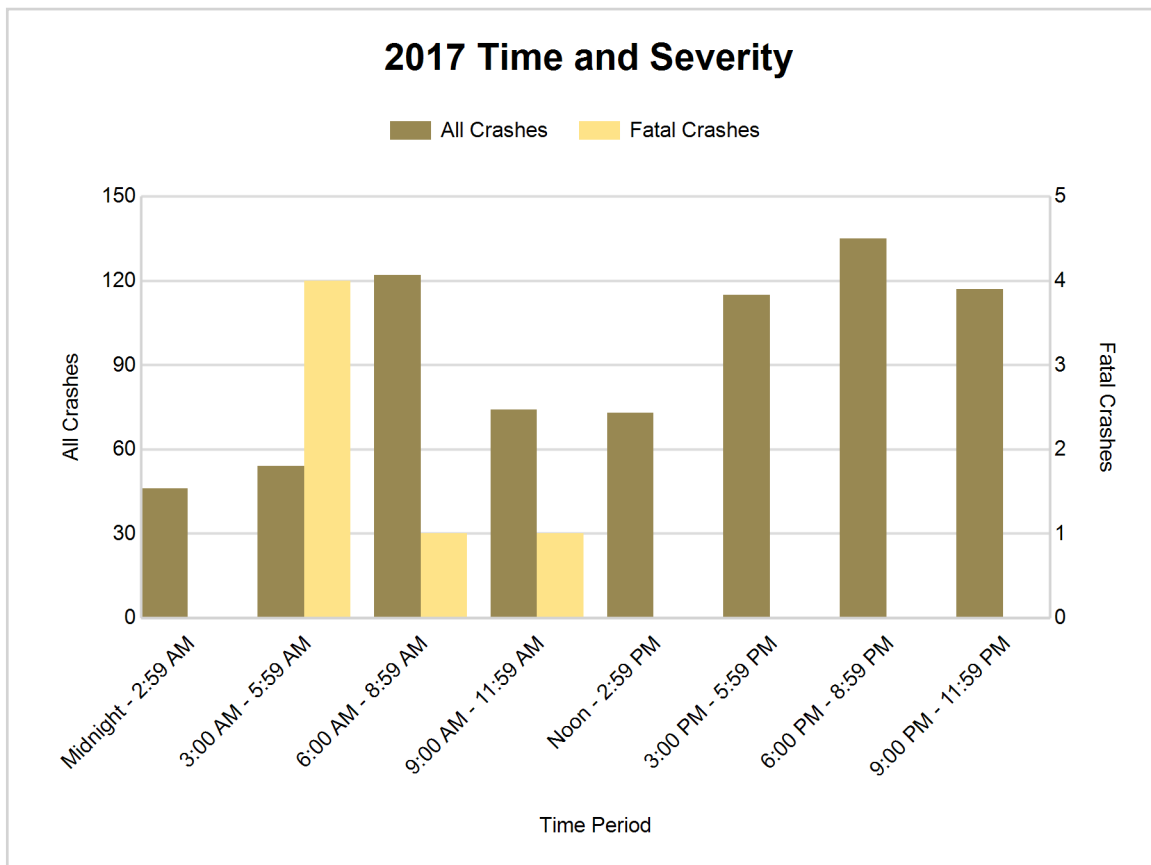
Time of Day	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	43	2	36	0	37	0	31	0	46	0
3:00 AM - 5:59 AM	34	0	53	0	43	0	48	0	54	4
6:00 AM - 8:59 AM	119	2	108	0	109	1	75	0	122	1
9:00 AM - 11:59 AM	94	1	99	0	66	0	69	0	74	1
Noon - 2:59 PM	87	1	76	0	72	0	87	0	73	0
3:00 PM - 5:59 PM	100	1	90	0	86	1	110	1	115	0
6:00 PM - 8:59 PM	122 †	0	116 †	0	142 †	0	116 †	0	135 †	0
9:00 PM - 11:59 PM	103	0	113	2	91	0	93	0	117	0
Unknown	0	0	0	0	1	0	0	0	1	0
Total	702	7	691	2	647	2	629	1	737	6

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

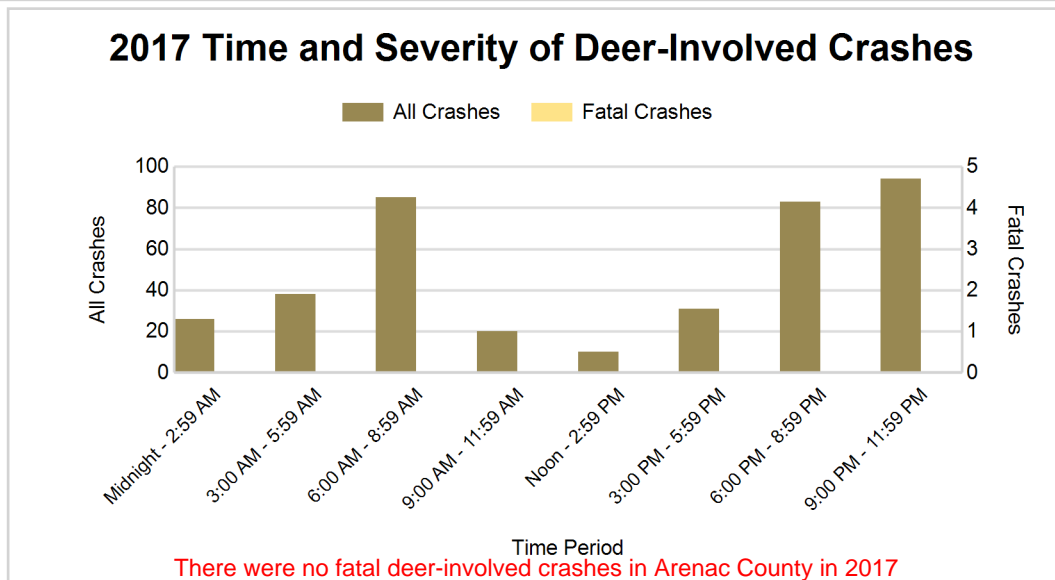
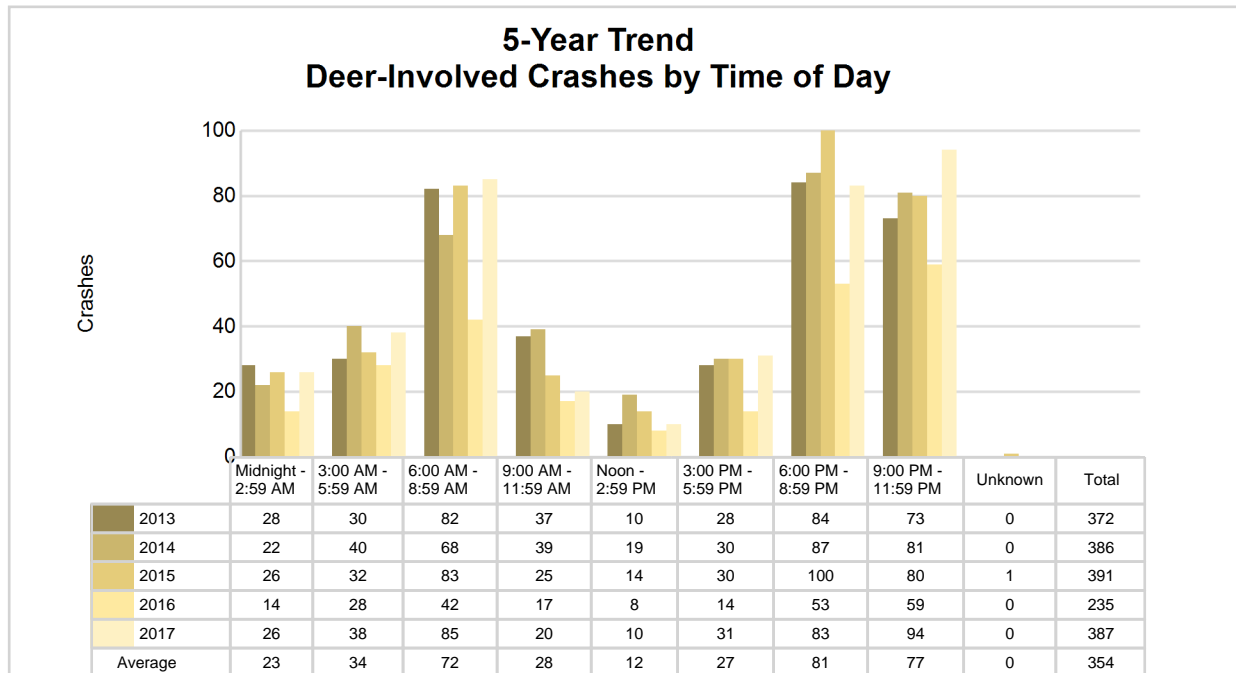
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	46	6.2	0	0.0	1	4	5	36
3:00 AM - 5:59 AM	54	7.3	4	66.7	2	1	3	44
6:00 AM - 8:59 AM	122	16.6	1	16.7	2	3	4	112
9:00 AM - 11:59 AM	74	10.0	1	16.7	2	5	7	59
Noon - 2:59 PM	73	9.9	0	0.0	2	5	9	57
3:00 PM - 5:59 PM	115	15.6	0	0.0	3	5	13	94
6:00 PM - 8:59 PM	135	18.3	0	0.0	1	8	6	120
9:00 PM - 11:59 PM	117	15.9	0	0.0	0	4	6	107
Unknown	1	0.1	0	0.0	0	0	0	1
Total	737	100.0	6	100.0	13	35	53	630



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	28	0	22	0	26	0	14	0	26	0
3:00 AM - 5:59 AM	30	0	40	0	32	0	28	0	38	0
6:00 AM - 8:59 AM	82	0	68	0	83	0	42	0	85	0
9:00 AM - 11:59 AM	37	0	39	0	25	0	17	0	20	0
Noon - 2:59 PM	10	0	19	0	14	0	8	0	10	0
3:00 PM - 5:59 PM	28	0	30	0	30	0	14	0	31	0
6:00 PM - 8:59 PM	84	0	87	0	100	0	53	0	83	0
9:00 PM - 11:59 PM	73	0	81	1	80	0	59	0	94	0
Unknown	0	0	0	0	1	0	0	0	0	0
Total	372	0	386	1	391	0	235	0	387	0

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



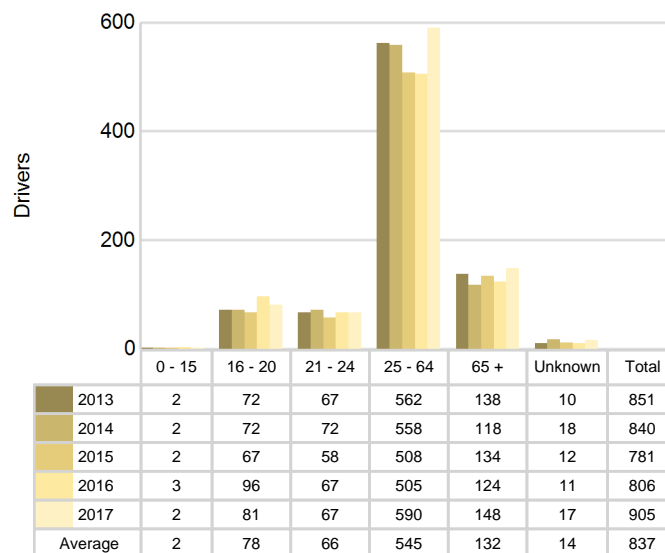
2017 - Reported Motor Vehicle Crashes by Municipality

Municipality	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Adams Twp.	47	1	8	38	23	0	0	24	3	1	21	1	12
Arenac Twp.	32	0	5	27	0	15	0	16	2	0	16	0	5
Au Gres	13	0	3	10	0	10	0	3	2	0	1	0	4
Au Gres Twp.	47	1	6	40	0	20	8	19	1	1	31	2	7
Clayton Twp.	38	0	4	34	0	0	0	38	1	0	25	0	4
Deep River Twp.	74	0	10	64	17	4	0	53	6	1	39	0	13
Lincoln Twp.	113	0	13	100	47	28	15	23	4	0	64	0	13
Mason Twp.	23	0	3	20	0	0	0	23	0	0	15	0	3
Moffatt Twp.	76	0	11	65	33	0	11	32	3	0	41	0	11
Omer	16	0	3	13	0	13	0	3	0	0	8	0	3
Sims Twp.	51	1	3	47	0	41	0	10	1	0	35	1	6
Standish	47	0	8	39	0	30	5	12	3	0	8	0	17
Standish Twp.	76	1	12	63	0	9	25	42	4	2	38	1	17
Sterling	7	0	0	7	0	0	0	7	0	0	2	0	0
Turner	2	0	0	2	0	0	0	2	0	0	2	0	0
Turner Twp.	35	1	4	30	0	0	16	19	0	0	23	1	4
Twining	5	0	0	5	0	0	4	1	0	0	2	0	0
Whitney Twp.	35	1	8	26	0	24	0	11	3	1	16	1	12
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	737	6	101	630	120	194	84	338	33	6	387	7	131

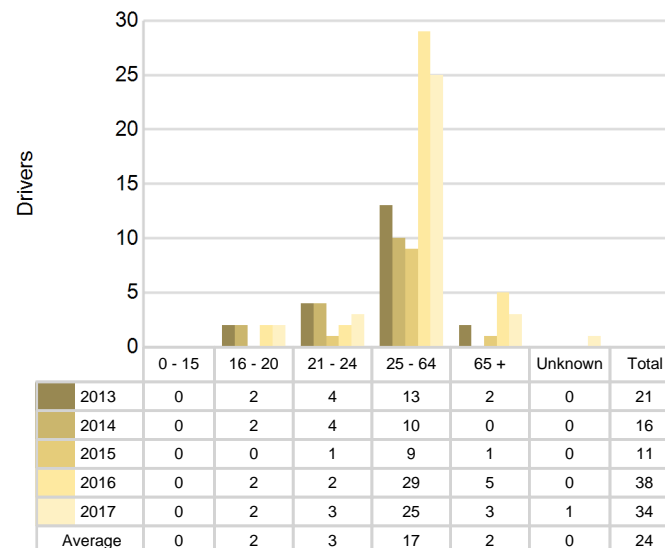
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	2	0	2	0	2	0	3	0	2	0
16 - 20	72	2	72	2	67	0	96	2	81	2
21 - 24	67	4	72	4	58	1	67	2	67	3
25 - 64	562	13	558	10	508	9	505	29	590	25
65 +	138	2	118	0	134	1	124	5	148	3
Unknown	10	0	18	0	12	0	11	0	17	1
Total	851	21	840	16	781	11	806	38	905	34

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	2	2	2	2	0	0	0	2	0
21 - 24	3	3	2	3	0	0	0	2	1
25 - 64	25	19	17	25	0	5	6	4	10
65 +	3	3	3	3	0	0	1	1	1
Unknown	2	0	0	1	0	0	0	0	1
Total	35	27	24	34	0	5	7	9	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.

Alcohol-Involved Crashes

In 2017, there were 35 drivers in alcohol-involved crashes; 34 (97.1%) of those drivers were coded as had-been-drinking by the officer on the crash form.

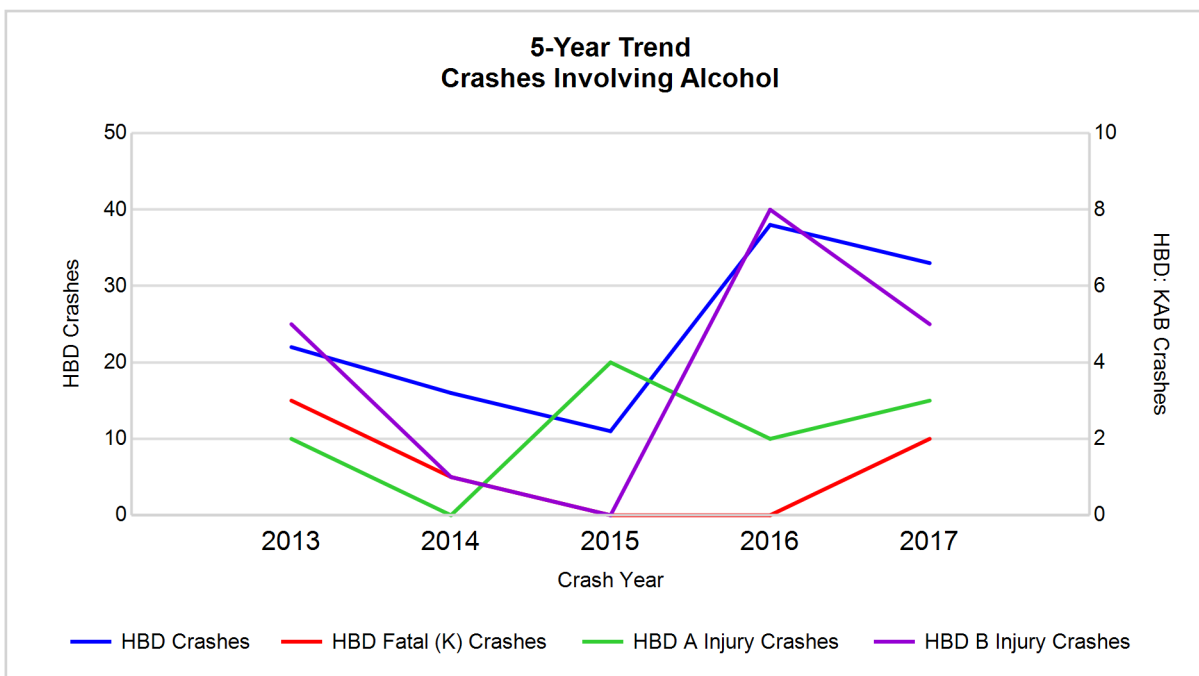
- 16 (47.1%) of the 34 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 9 (56.3%) of the 16 drivers had a BAC at or above 0.17 g/dL.
- 24 (70.6%) of the 34 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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	702	22	3.1	7	3	42.9	17	2	11.8	42	5	11.9
2014	691	16	2.3	2	1	50.0	8	0	0.0	23	1	4.3
2015	647	11	1.7	2	0	0.0	13	4	30.8	31	0	0.0
2016	629	38	6.0	1	0	0.0	16	2	12.5	32	8	25.0
2017	737**	33	4.5	6	2	33.3	13	3	23.1	35	5	14.3

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



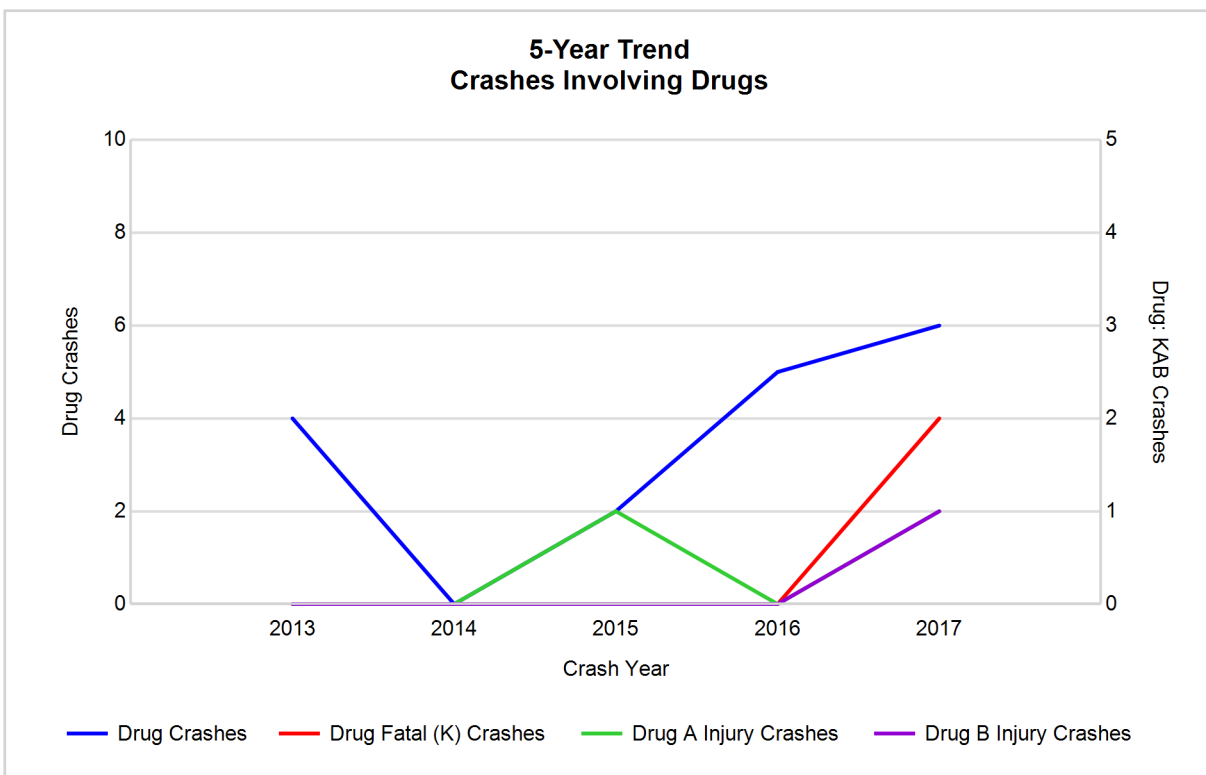
Note: Had-Been-Drinking (HBD)

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
2013	702	4	0.6	7	0	0.0	17	0	0.0	42	0	0.0
2014	691	0	0.0	2	0	0.0	8	0	0.0	23	0	0.0
2015	647	2	0.3	2	0	0.0	13	1	7.7	31	0	0.0
2016	629	5	0.8	1	0	0.0	16	0	0.0	32	0	0.0
2017	737**	6**	0.8	6	2**	33.3**	13	1	7.7	35	1**	2.9**

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

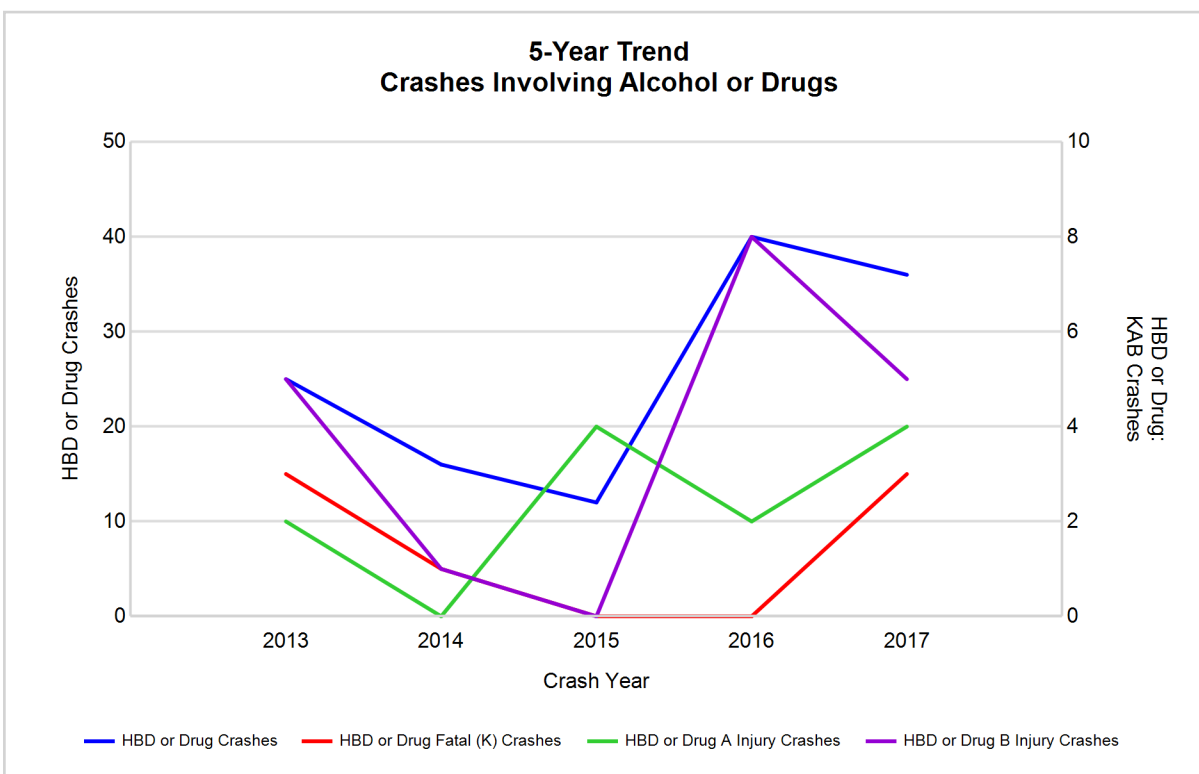


5-Year Trend - Crashes Involving Alcohol or Drugs

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	702	25	3.6	7	3	42.9	17	2	11.8	42	5	11.9
2014	691	16	2.3	2	1	50.0	8	0	0.0	23	1	4.3
2015	647	12	1.9	2	0	0.0	13	4	30.8	31	0	0.0
2016	629	40	6.4	1	0	0.0	16	2	12.5	32	8	25.0
2017	737**	36	4.9	6	3	50.0	13	4	30.8	35	5	14.3

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)

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	711	673	94.7	5	3	60.0	10	6	60.0	31	28	90.3	57	52	91.2	576	562	97.6
Motor home	5	5	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	5	100.0
Pickup truck	178	173	97.2	0	0	0.0	2	2	100.0	7	5	71.4	10	10	100.0	151	151	100.0
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	10	5	50.0	0	0	0.0	3	1	33.3	4	2	50.0	2	1	50.0	1	1	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	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Snowmobile	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Truck/bus over 10,000 lbs.	21	19	90.5	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	18	17	94.4
Unknown	7	0	0.0	1	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	938	879	93.7	6	3	0.0	16	9	56.3	42	35	83.3	71	64	90.1	756	740	97.9

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	2	1	50.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
16 - 20	85	84	98.8	0	0	0.0	1	1	100.0	5	5	100.0	11	10	90.9	65	65	100.0
21 - 24	72	68	94.4	3	1	33.3	1	1	100.0	5	4	80.0	5	4	80.0	55	55	100.0
25 - 64	605	571	94.4	1	0	0.0	11	5	45.5	26	21	80.8	41	36	87.8	502	488	97.2
65 +	156	152	97.4	2	2	100.0	3	2	66.7	6	5	83.3	13	13	100.0	131	130	99.2
Unknown	18	3	16.7	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0
Total	938	879	93.7	6	3	0.0	16	9	56.3	42	35	83.3	71	64	90.1	756	740	97.9

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	6	0	4	2	0	0	2	0	1	3	0	1	4	0	0
Shoulder belt only used	0	0	0	1	0	1	0	0	0	2	0	0	4	0	0
Lap belt only used	0	0	0	1	0	0	1	0	1	1	0	0	1	0	0
Both lap & shoulder belts used	798	2	73	795	1	72	744	1	62	763	1	84	845	2	81
No belts used	7	1	4	2	0	1	5	1	2	6	0	6	12	1	7
Child restraint used	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Child restraint not used, unavailable or improper use	1	0	0	1	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	11	0	1	7	0	0	7	0	3	9	0	3	13	1	2
Helmet worn	10	1	7	9	0	5	7	0	4	4	0	3	4	0	3
Helmet not worn	6	1	5	3	1	2	4	0	4	2	0	2	5	0	5
Helmet use unknown	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0
Uncoded & errors	12	0	0	19	0	0	11	0	0	13	0	0	17	0	0
Total	851	5	94	840	2	81	781	2	77	806	1	101	905	4	98

5-Year Trend - Restraint Use Among Drivers Coded Drinking

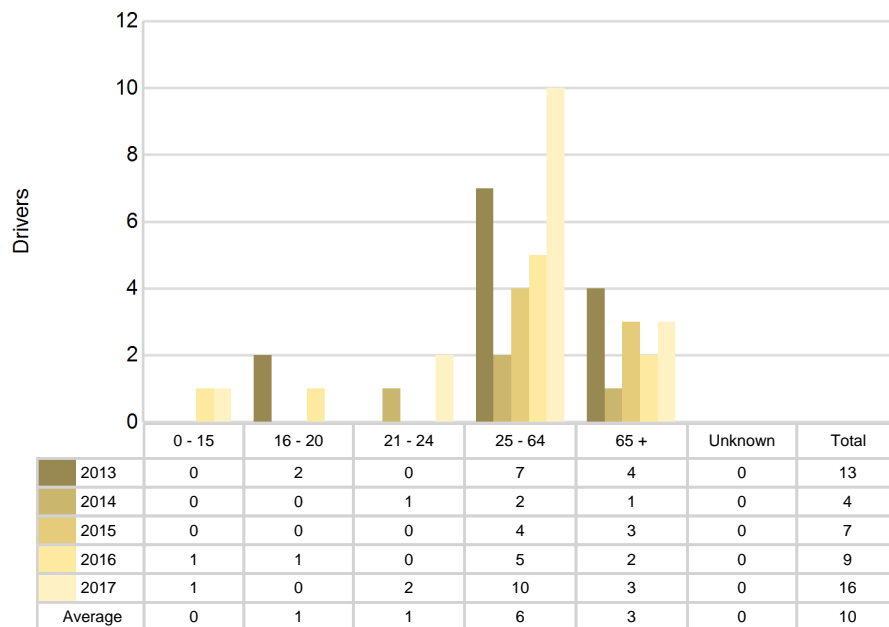
Restraint Use	2013			2014			2015			2016			2017		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0
Shoulder belt 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	12	0	4	13	1	1	6	0	0	33	0	14	19	0	7
No belts used	2	1	1	0	0	0	0	0	0	1	0	1	4	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint use unknown	3	0	1	3	0	0	3	0	1	4	0	1	8	1	1
Helmet worn	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0
Helmet not worn	1	1	0	0	0	0	1	0	1	0	0	0	2	0	2
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	21	2	8	16	1	1	11	0	3	38	0	16	34	2	13

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	1	0	1	1	0	0
16 - 20	2	0	1	0	0	0	0	0	0	1	0	1	0	0	0
21 - 24	0	0	0	1	0	0	0	0	0	0	0	0	2	1	1
25 - 64	7	0	5	2	0	0	4	1	2	5	0	4	10	0	4
65 +	4	1	2	1	0	1	3	0	1	2	0	1	3	0	2
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	13	1	8	4	0	1	7	1	3	9	0	7	16	1	7

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

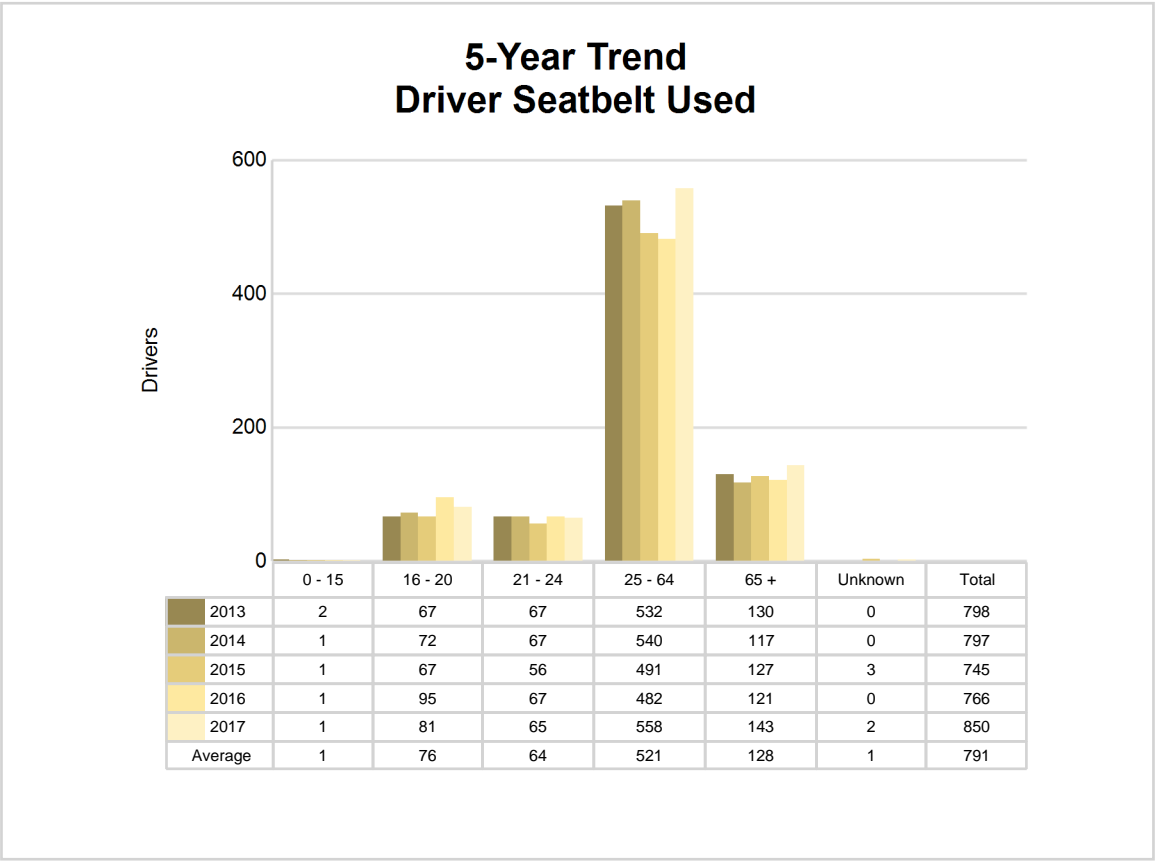
5-Year Trend Driver Seatbelt Not Used



5-Year Trend - Seatbelt Used Among Drivers by Age

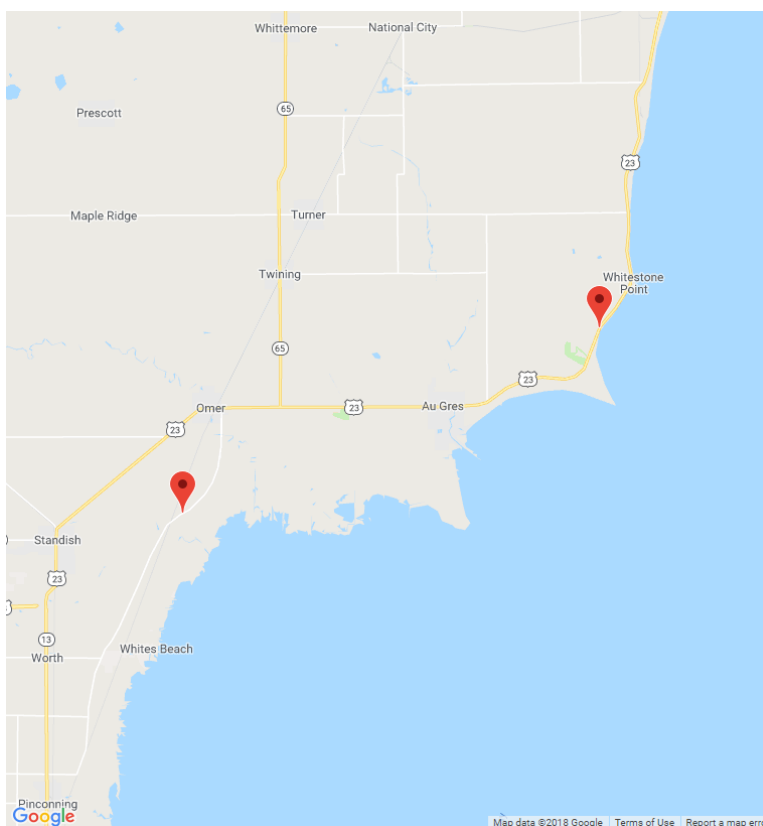
Age Group	2013			2014			2015			2016			2017		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	2	0	0	1	0	0	1	0	0	1	0	0	1	0	0
16 - 20	67	0	9	72	0	7	67	0	11	95	0	15	81	0	13
21 - 24	67	0	10	67	0	8	56	0	5	67	0	6	65	1	6
25 - 64	532	0	41	540	1	39	491	1	39	482	1	46	558	0	50
65 +	130	2	13	117	0	19	127	0	8	121	0	17	143	1	12
Unknown	0	0	0	0	0	0	3	0	0	0	0	0	2	0	0
Total	798	2	73	797	1	73	745	1	63	766	1	84	850	2	81

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	525	2	552	1	527	2	416	1	563	3
Speed too fast	141	1	102	0	72	1	125	0	85	2
Speed too slow	2	0	2	0	1	0	0	0	0	0
Failed to yield	33	1	38	0	38	0	53	0	59	0
Disregard traffic control	4	0	9	0	4	0	4	0	5	0
Drove wrong way	0	0	0	0	1	0	1	0	0	0
Drove left of center	3	0	2	0	2	0	4	0	2	0
Improper passing	5	0	3	0	1	0	8	0	4	0
Improper lane use	6	0	4	0	8	0	11	0	10	0
Improper turn	6	0	3	0	2	0	4	0	5	0
Improper/no signal	2	0	3	0	3	0	1	0	2	0
Improper backing	3	0	9	0	5	0	13	0	6	0
Unable to stop in assured clear distance	26	2	33	0	32	0	43	0	51	1
Other	17	1	19	1	13	0	22	0	18	1
Unknown	8	2	6	0	13	0	9	0	11	1
Reckless driving	6	0	5	0	9	0	7	0	4	0
Careless/negligent driving	52	0	36	0	34	1	47	1	35	0
Uncoded & errors	12	1	14	0	16	0	38	0	45	1
Total	851	10	840	2	781	4	806	2	905	9



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

In 2017, there were 33 alcohol-involved crashes in Arenac County:

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

Office of Highway Safety Planning

Physical Address:
7150 Harris Drive
Dimondale, Michigan 48821

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

Phone: (517) 284-3112
Fax: (517) 284-3151

Find us on the web:
MichiganTrafficCrashFacts.org

