



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

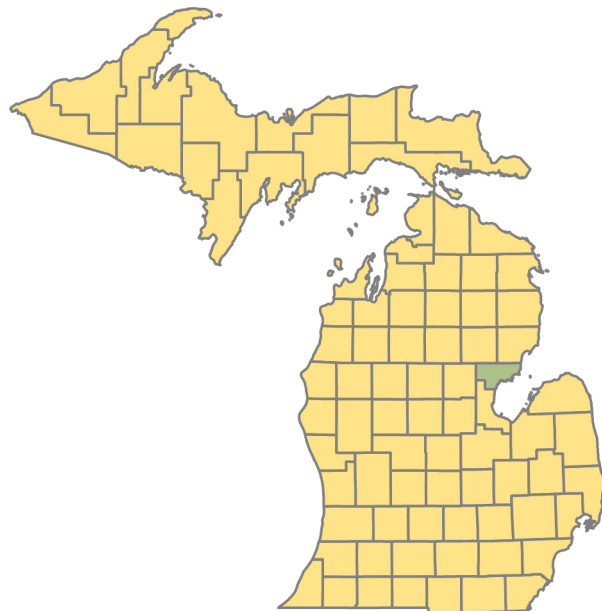
O = No Injury

Property Damage Only (PDO)



## Arenac County

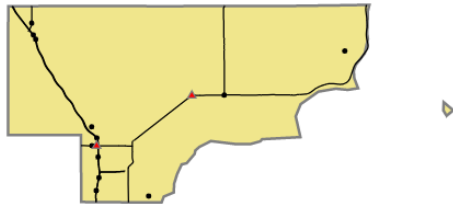
### 2018 Traffic Crash Data & 2014-2018 5-Year Trends



### 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 (2/2)
- A - Suspected Serious (13/13)

## Arenac County

In 2018:

There were 930 drivers involved in 770 motor vehicle crashes in Arenac County. Of those crashes, 2 were classified as fatal, resulting in 2 fatalities. An additional 155 persons were injured.

Arenac County experienced the highest number of motor vehicle crashes (108) in November, the highest number of fatal crashes (1) and the highest number of persons killed (1) in May and August.

Michigan driver statistics indicate 5.4 percent of licensed drivers in Arenac County were age 16-20, and 9.8 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	75	0	11	64	0	15
February	75	0	14	61	0	17
March	71	0	7	64	0	9
April	65	0	5	60	0	8
May	49	1	8	40	1	13
June	54	0	7	47	0	8
July	65	0	12	53	0	17
August	39	1	15	23	1	27
September	45	0	10	35	0	10
October	78	0	4	74	0	5
November	108	0	19	89	0	23
December	46	0	3	43	0	3
<b>Total</b>	<b>770</b>	<b>2</b>	<b>115</b>	<b>653</b>	<b>2</b>	<b>155</b>

## 2018 - Driver Statistics

Age Group	Arenac County			Driver Rates	
	2018 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	2,396	65	2	8.3	307.7
16 - 20	721	641	91	1,262.1	1,419.7
21 - 24	569	543	82	1,441.1	1,510.1
25 - 64	7,608	7,145	599	787.3	838.3
65 +	3,747	3,550	142	379.0	400.0
Unknown	0	0	14	--	--
<b>Total</b>	<b>15,041</b>	<b>11,944</b>	<b>930</b>	<b>618.3</b>	<b>778.6</b>

## 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	666	71.6	4	100.0	114	548
Motor home	5	0.5	0	0.0	1	4
Pickup truck	225	24.2	0	0.0	37	188
Small truck under 10,000 lbs. GVWR	2	0.2	0	0.0	0	2
Motorcycle	4	0.4	0	0.0	3	1
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	1	0.1	0	0.0	1	0
Other	4	0.4	0	0.0	3	1
Truck/bus over 10,000 lbs.	20	2.2	0	0.0	7	13
Unknown	2	0.2	0	0.0	0	2
<b>Total</b>	<b>930</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>167</b>	<b>759</b>

# Arenac County (continued)

## 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	72	0	43	0	82	0	58	0	75	0
February	36	0	39	0	61	0	45	0	75	0
March	55	0	46	0	42	0	43	0	71	0
April	54	0	37	0	55	0	46	2	65	0
May	46	0	67	0	59	0	53	0	49	1
June	69	1	55	0	65	0	64	2	54	0
July	65	0	61	0	63	1	67	1	65	0
August	44	0	40	0	44	0	47	0	39	1
September	38	0	55	0	39	0	50	0	45	0
October	63	1	74	1	30	0	86	1	78	0
November	92	0	108	1	34	0	107	0	108	0
December	57	0	22	0	55	0	71	0	46	0
<b>Total</b>	<b>691</b>	<b>2</b>	<b>647</b>	<b>2</b>	<b>629</b>	<b>1</b>	<b>737</b>	<b>6</b>	<b>770</b>	<b>2</b>

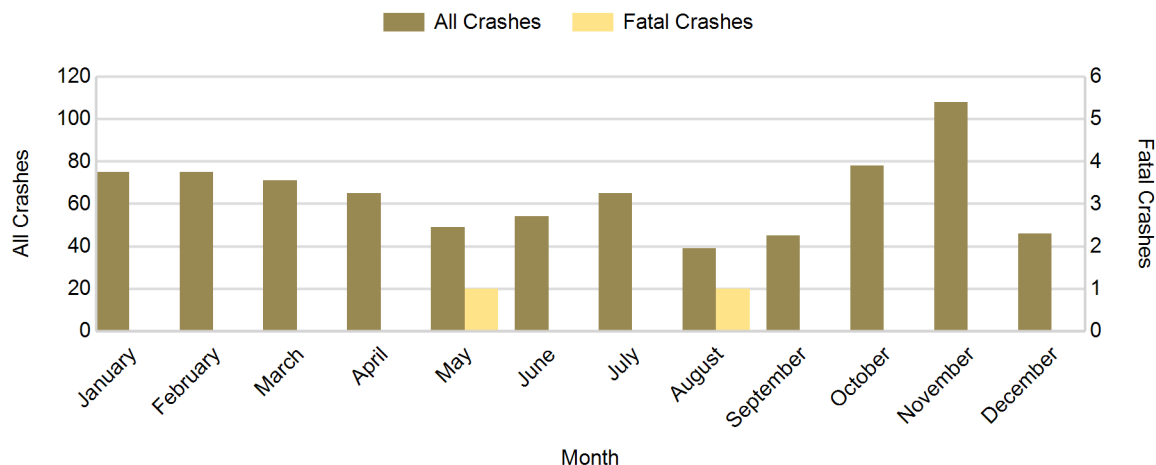
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

## 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	102	0	93	0	83	0	112	0	88	0
Tuesday	67	0	90	0	83	1	94	1	108	1
Wednesday	104	1	78	1	74	0	99	1	113	0
Thursday	96	0	92	0	93	0	114	2	127	0
Friday	118	0	129	0	123	0	104	0	125	0
Saturday	93	1	81	1	77	0	100	0	88	0
Sunday	111	0	84	0	96	0	114	2	121	1
<b>Total</b>	<b>691</b>	<b>2</b>	<b>647</b>	<b>2</b>	<b>629</b>	<b>1</b>	<b>737</b>	<b>6</b>	<b>770</b>	<b>2</b>

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

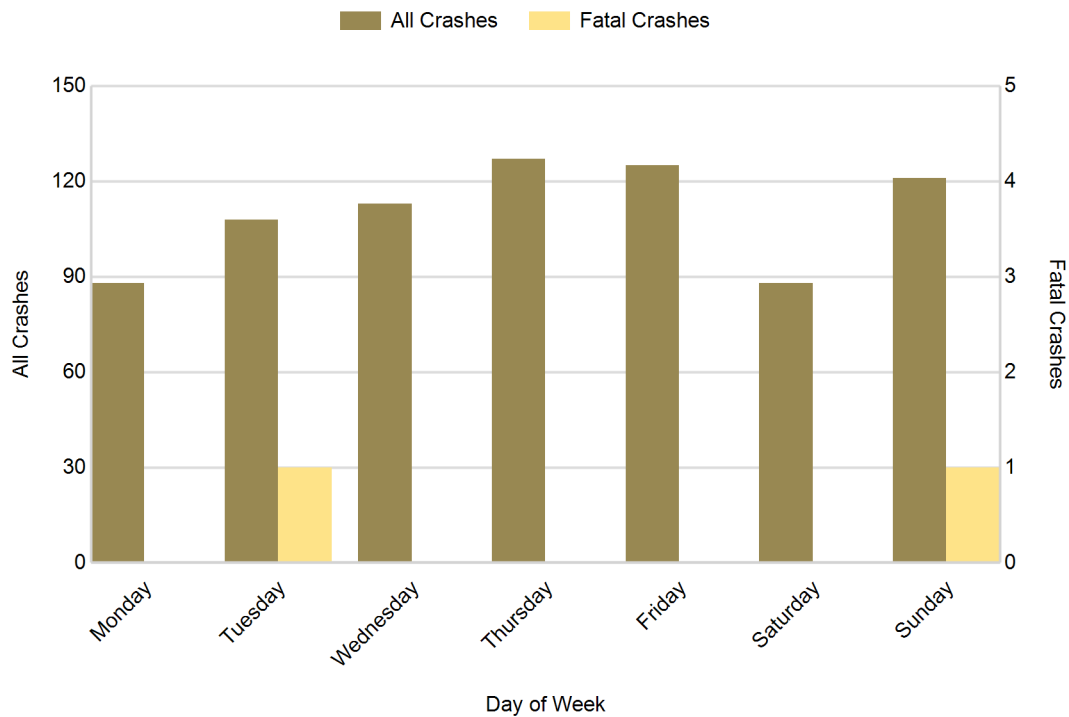
## 2018 Crashes by Month



## 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	88	11.4	0	0.0	1	6	9	72
Tuesday	108	14.0	1	50.0	2	4	11	90
Wednesday	113	14.7	0	0.0	2	5	6	100
Thursday	127	16.5	0	0.0	1	3	12	111
Friday	125	16.2	0	0.0	4	3	13	105
Saturday	88	11.4	0	0.0	2	6	8	72
Sunday	121	15.7	1	50.0	1	5	11	103
<b>Total</b>	<b>770</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>13</b>	<b>32</b>	<b>70</b>	<b>653</b>

## 2018 Day of Week and Severity

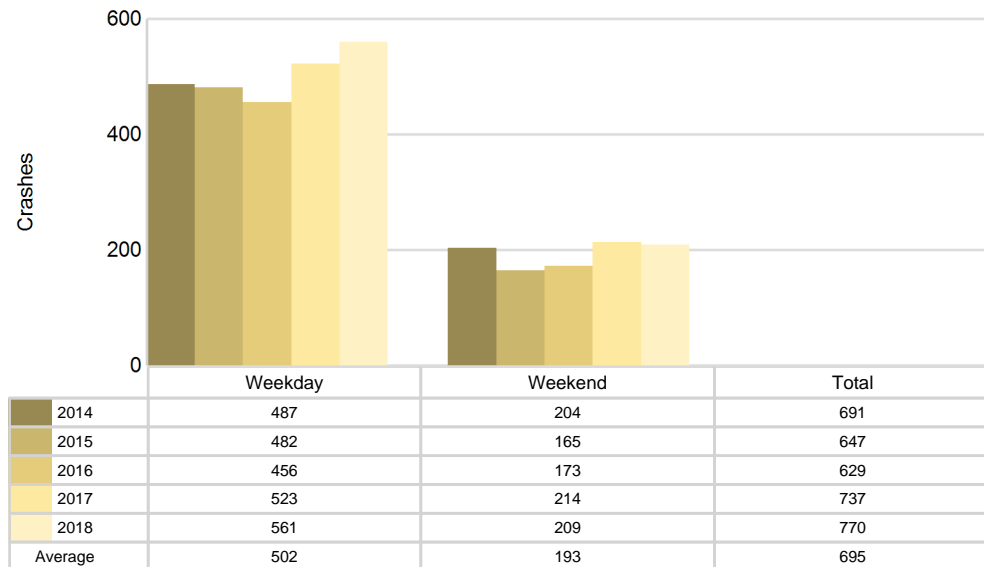


## Arenac County (continued)

### 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	487	1	482	1	456	1	523	4	561	1
Weekend	204	1	165	1	173	0	214	2	209	1
<b>Total</b>	<b>691</b>	<b>2</b>	<b>647</b>	<b>2</b>	<b>629</b>	<b>1</b>	<b>737</b>	<b>6</b>	<b>770</b>	<b>2</b>

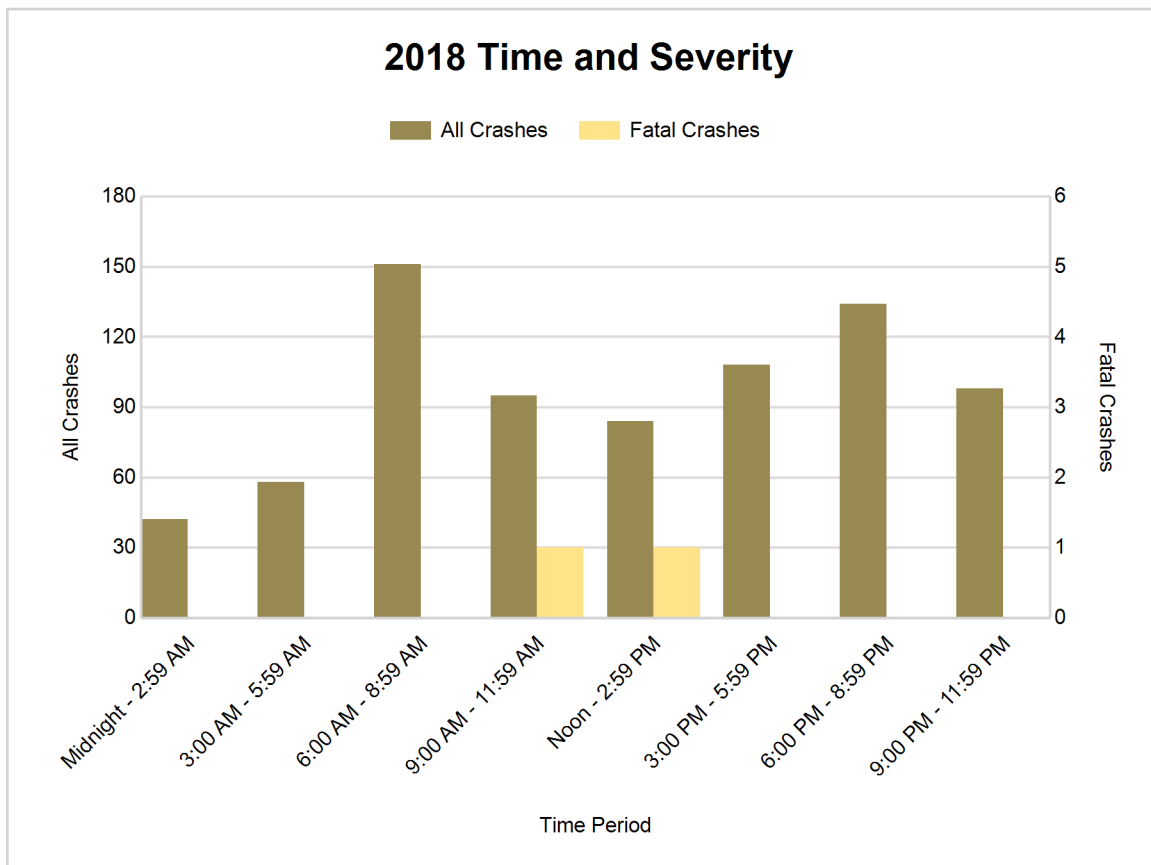
### 5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)





## 2018 - Time and Severity

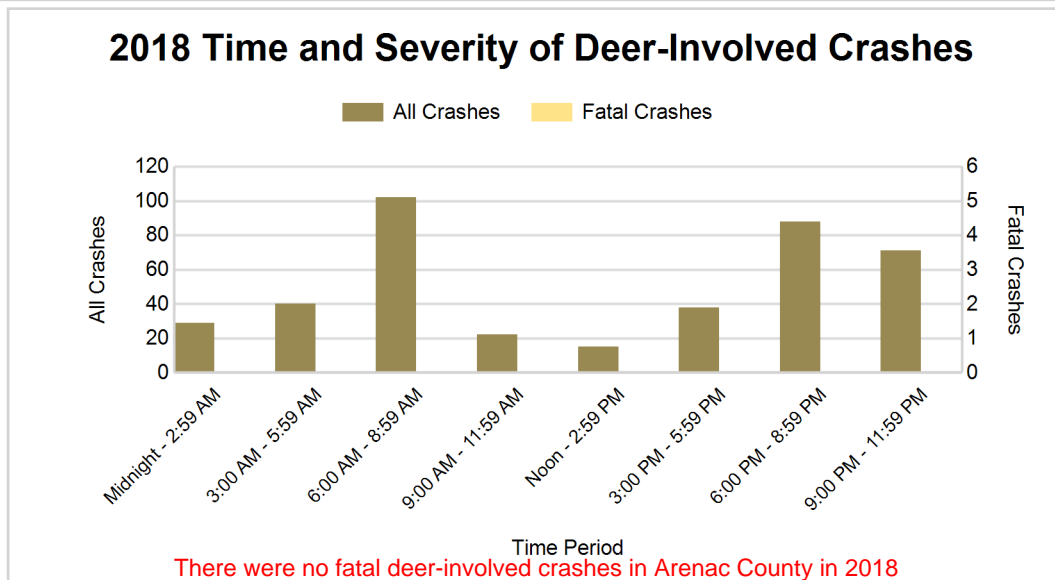
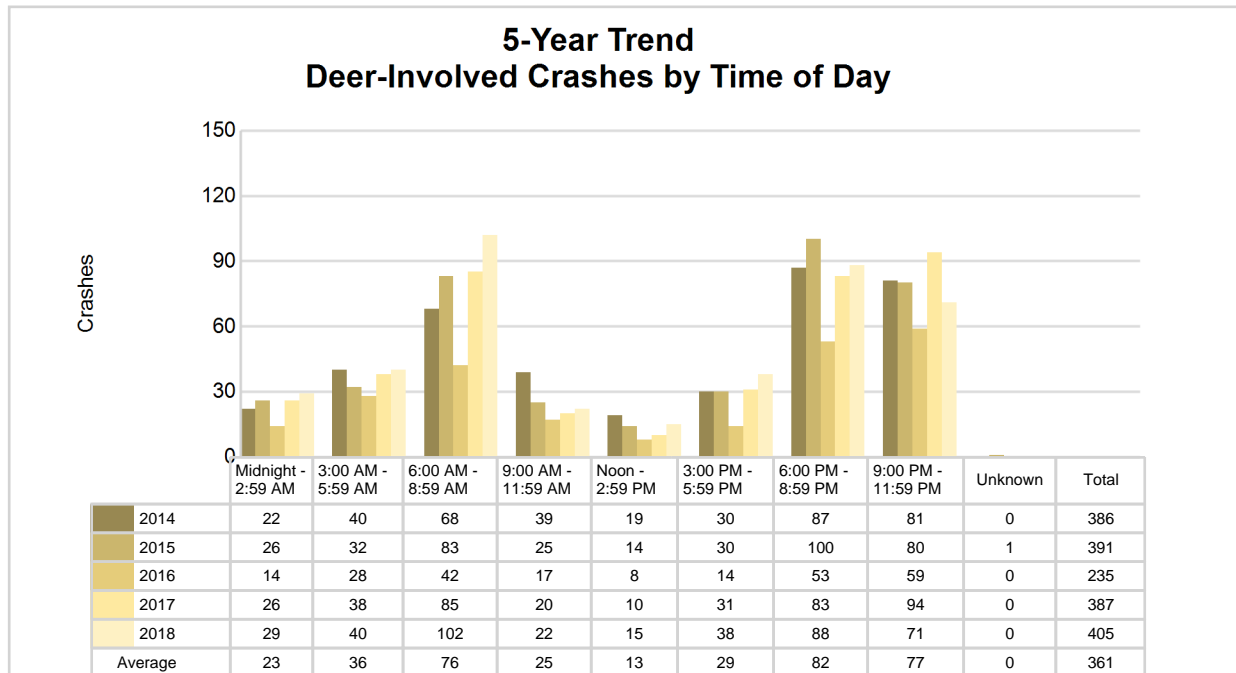
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	42	5.5	0	0.0	1	2	1	38
3:00 AM - 5:59 AM	58	7.5	0	0.0	2	1	1	54
6:00 AM - 8:59 AM	151	19.6	0	0.0	2	5	6	138
9:00 AM - 11:59 AM	95	12.3	1	50.0	3	8	12	71
Noon - 2:59 PM	84	10.9	1	50.0	0	6	8	69
3:00 PM - 5:59 PM	108	14.0	0	0.0	2	9	17	80
6:00 PM - 8:59 PM	134	17.4	0	0.0	1	0	17	116
9:00 PM - 11:59 PM	98	12.7	0	0.0	2	1	8	87
Unknown	0	0.0	0	0.0	0	0	0	0
<b>Total</b>	<b>770</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>13</b>	<b>32</b>	<b>70</b>	<b>653</b>



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

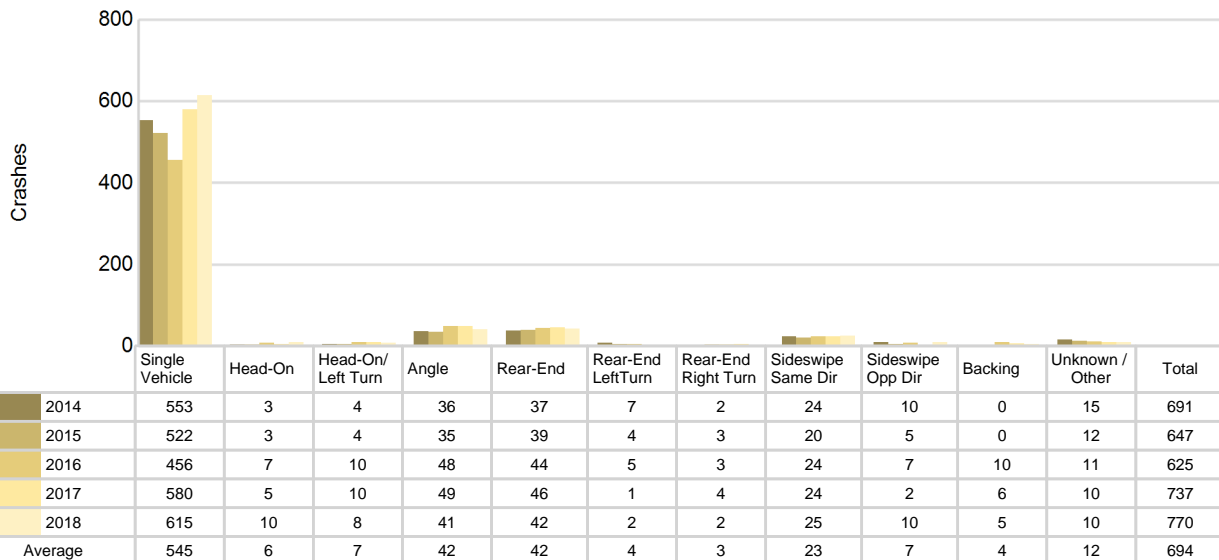
Time of Day	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	22	0	26	0	14	0	26	0	29	0
3:00 AM - 5:59 AM	40	0	32	0	28	0	38	0	40	0
6:00 AM - 8:59 AM	68	0	83	0	42	0	85	0	102	0
9:00 AM - 11:59 AM	39	0	25	0	17	0	20	0	22	0
Noon - 2:59 PM	19	0	14	0	8	0	10	0	15	0
3:00 PM - 5:59 PM	30	0	30	0	14	0	31	0	38	0
6:00 PM - 8:59 PM	87	0	100	0	53	0	83	0	88	0
9:00 PM - 11:59 PM	81	1	80	0	59	0	94	0	71	0
Unknown	0	0	1	0	0	0	0	0	0	0
<b>Total</b>	<b>386</b>	<b>1</b>	<b>391</b>	<b>0</b>	<b>235</b>	<b>0</b>	<b>387</b>	<b>0</b>	<b>405</b>	<b>0</b>

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	553	2	522	1	456	0	580	5	615	0
Head-on	3	0	3	0	7	0	5	0	10	1
Head-on / left turn	4	0	4	0	10	1	10	0	8	1
Angle	36	0	35	1	48	0	49	0	41	0
Rear-end	37	0	39	0	44	0	46	1	42	0
Rear-end left turn	7	0	4	0	5	0	1	0	2	0
Rear-end right turn	2	0	3	0	3	0	4	0	2	0
Sideswipe same direction	24	0	20	0	24	0	24	0	25	0
Sideswipe opposite direction	10	0	5	0	7	0	2	0	10	0
Backing	0	0	0	0	10	0	6	0	5	0
Other / Unknown	15	0	12	0	11	0	10	0	10	0
Uncoded and Errors	0	0	0	0	4	0	0	0	0	0
<b>Total</b>	<b>691</b>	<b>2</b>	<b>647</b>	<b>2</b>	<b>629</b>	<b>1</b>	<b>737</b>	<b>6</b>	<b>770</b>	<b>2</b>

5-Year Trend  
Crashes by Crash Type

# Arenac County (continued)

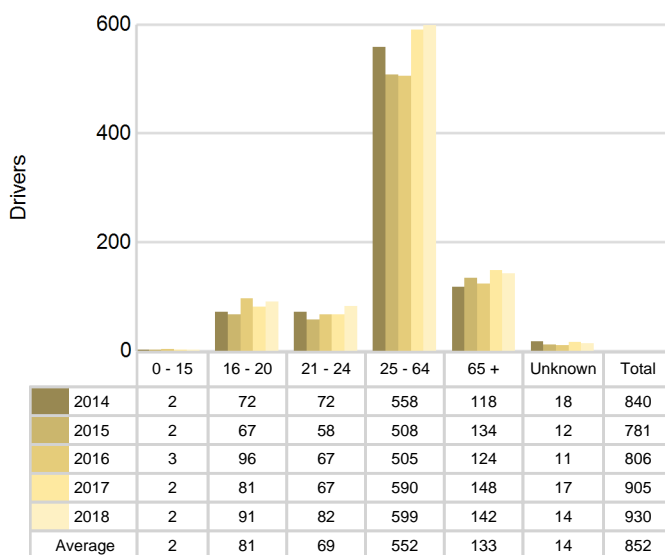
## 2018 - Reported Motor Vehicle Crashes by Municipality

Municipality	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Adams Twp.	45	0	4	41	29	0	0	16	1	0	14	0	8
Arenac Twp.	55	0	10	45	0	28	0	27	3	0	36	0	16
Au Gres	21	0	3	18	0	16	0	5	0	0	14	0	4
Au Gres Twp.	42	0	5	37	0	20	2	20	0	1	29	0	8
Clayton Twp.	40	0	5	35	0	0	0	40	0	0	27	0	7
Deep River Twp.	66	0	9	57	7	2	0	57	2	0	35	0	10
Lincoln Twp.	131	1	28	102	62	29	17	23	4	1	63	1	40
Mason Twp.	21	0	3	18	0	0	0	21	0	0	12	0	3
Moffatt Twp.	74	0	14	60	44	0	12	18	3	0	27	0	15
Omer	12	1	0	11	0	10	0	2	1	0	4	1	3
Sims Twp.	36	0	5	31	0	30	0	6	1	0	29	0	6
Standish	41	0	7	34	0	27	8	6	1	0	6	0	9
Standish Twp.	100	0	14	86	0	13	35	52	7	0	48	0	17
Sterling	8	0	3	5	0	0	0	8	0	1	4	0	3
Turner	2	0	0	2	0	0	0	2	0	0	2	0	0
Turner Twp.	34	0	2	32	0	0	13	21	1	0	27	0	2
Twining	2	0	0	2	0	0	2	0	0	0	1	0	0
Whitney Twp.	40	0	3	37	0	18	0	22	3	0	27	0	4
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>770</b>	<b>2</b>	<b>115</b>	<b>653</b>	<b>142</b>	<b>193</b>	<b>89</b>	<b>346</b>	<b>27</b>	<b>3</b>	<b>405</b>	<b>2</b>	<b>155</b>

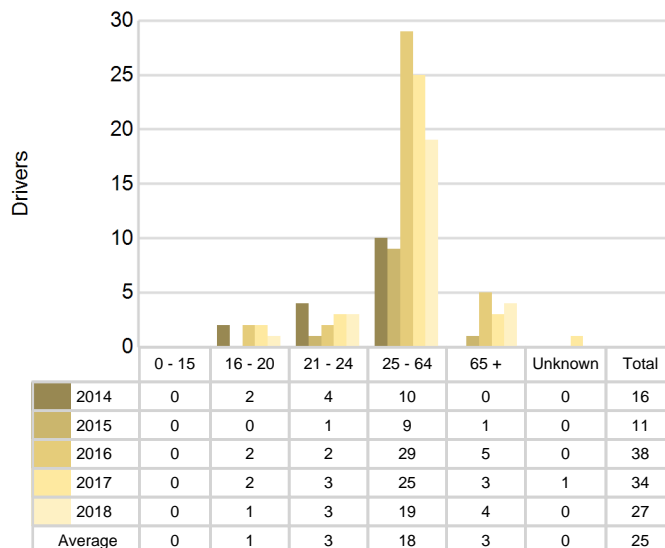
## 5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	2	0	2	0	3	0	2	0	2	0
16 - 20	72	2	67	0	96	2	81	2	91	1
21 - 24	72	4	58	1	67	2	67	3	82	3
25 - 64	558	10	508	9	505	29	590	25	599	19
65 +	118	0	134	1	124	5	148	3	142	4
Unknown	18	0	12	0	11	0	17	1	14	0
<b>Total</b>	<b>840</b>	<b>16</b>	<b>781</b>	<b>11</b>	<b>806</b>	<b>38</b>	<b>905</b>	<b>34</b>	<b>930</b>	<b>27</b>

### 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	0	0	0	0	0	0	0	0
16 - 20	1	1	1	1	0	1	0	0	0
21 - 24	3	3	3	3	1	1	0	1	0
25 - 64	24	20	18	19	0	2	4	8	5
65 +	6	3	3	4	0	0	3	0	1
Unknown	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>34</b>	<b>27</b>	<b>25</b>	<b>27</b>	<b>1</b>	<b>4</b>	<b>7</b>	<b>9</b>	<b>6</b>

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 34 drivers in alcohol-involved crashes; 27 (79.4%) of those drivers were coded as had-been-drinking by the officer on the crash form.

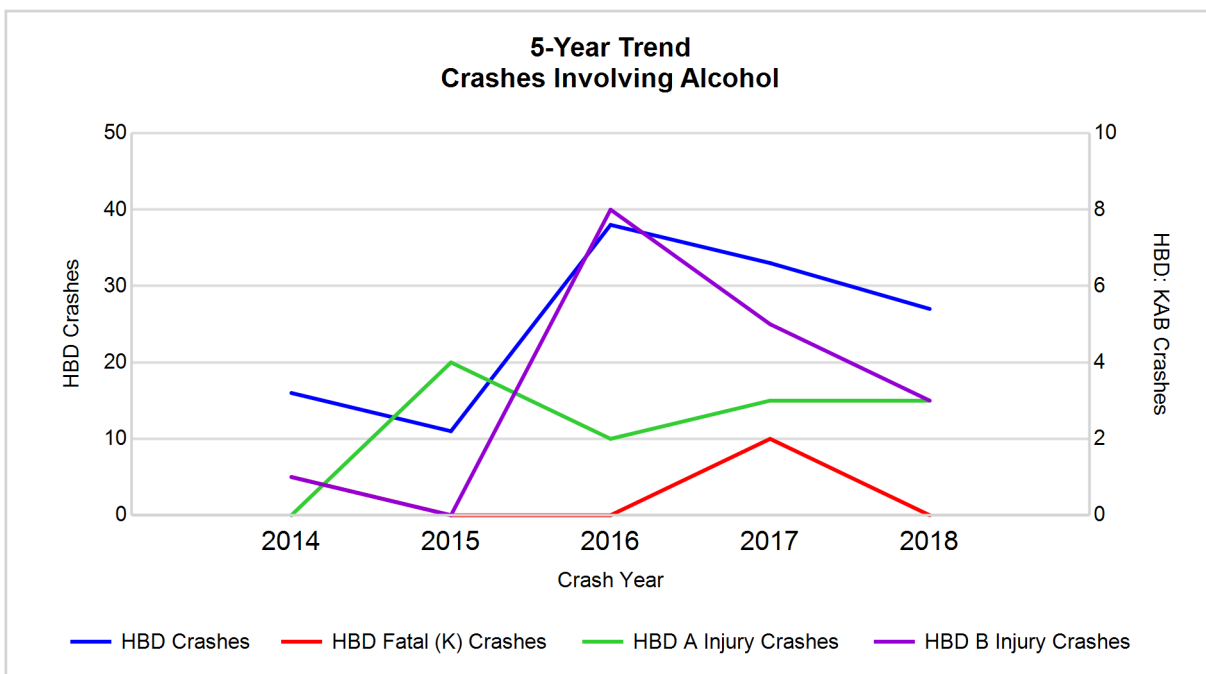
- 16 (59.3%) of the 27 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 9 (56.3%) of the 16 drivers had a BAC at or above 0.17 g/dL.
- 25 (92.6%) of the 27 drivers were coded as had-been-drinking and were tested for alcohol consumption.

## 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	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
2018	770**	27	3.5	2	0	0.0	13	3	23.1	32	3	9.4

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



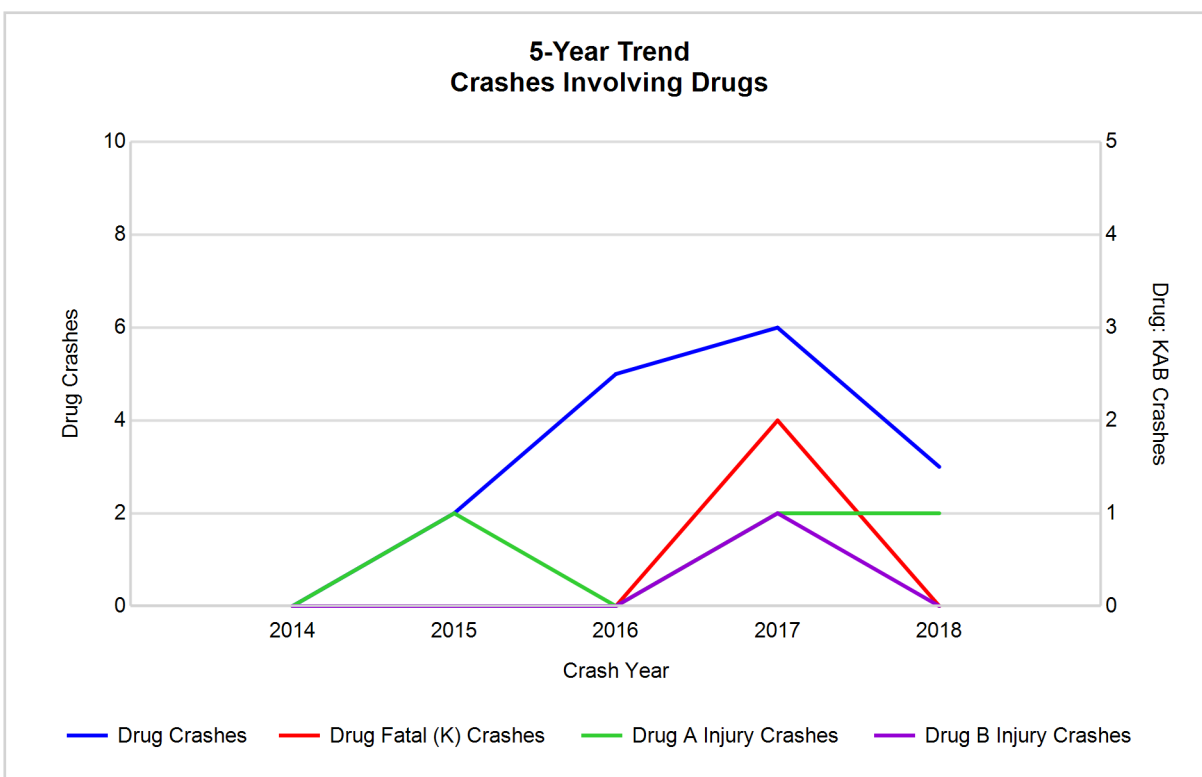
Note: Had-Been-Drinking (HBD)

## 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	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
2018	770**	3	0.4	2	0	0.0	13	1	7.7	32	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

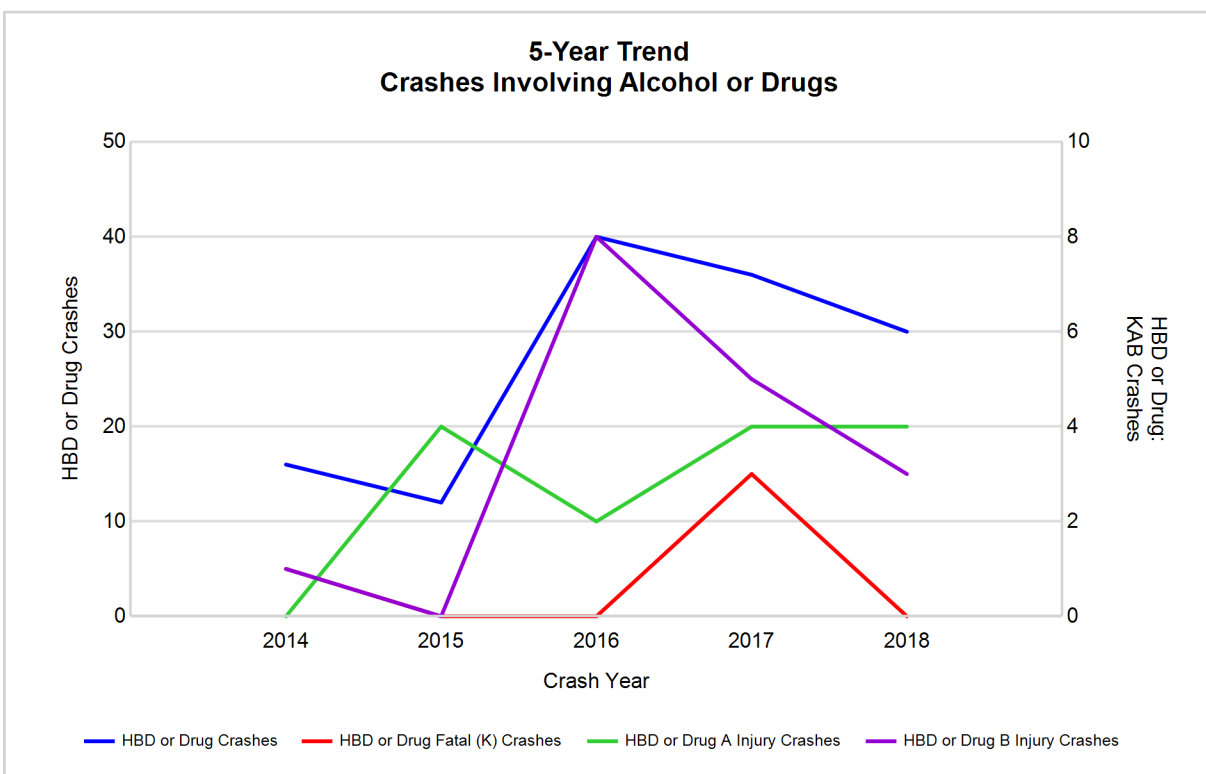


## 5-Year Trend - Crashes Involving Alcohol or Drugs

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
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
2018	770**	30	3.9	2	0	0.0	13	4	30.8	32	3	9.4

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



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	706	671	95.0	2	1	50.0	17	13	76.5	26	23	88.5	79	74	93.7	564	552	97.9
Motor home	5	5	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	4	4	100.0
Pickup truck	230	218	94.8	0	0	0.0	0	0	0.0	9	5	55.6	13	13	100.0	200	195	97.5
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	5	4	80.0	0	0	0.0	1	0	0.0	1	1	100.0	1	1	100.0	2	2	100.0
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	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0
Other	4	1	25.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	3	0	0.0
Truck/bus over 10,000 lbs.	20	19	95.0	0	0	0.0	0	0	0.0	2	2	100.0	0	0	0.0	17	16	94.1
Unknown	2	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Total</b>	<b>976</b>	<b>920</b>	<b>94.3</b>	<b>2</b>	<b>1</b>	<b>0.0</b>	<b>18</b>	<b>13</b>	<b>72.2</b>	<b>39</b>	<b>32</b>	<b>82.1</b>	<b>96</b>	<b>89</b>	<b>92.7</b>	<b>792</b>	<b>771</b>	<b>97.3</b>

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	6	5	83.3	0	0	0.0	0	0	0.0	1	1	100.0	5	4	80.0	0	0	0.0
16 - 20	97	89	91.8	0	0	0.0	2	2	100.0	2	1	50.0	15	13	86.7	76	72	94.7
21 - 24	85	84	98.8	1	1	100.0	2	2	100.0	2	2	100.0	7	6	85.7	72	72	100.0
25 - 64	625	596	95.4	1	0	0.0	13	8	61.5	27	23	85.2	47	44	93.6	529	514	97.2
65 +	149	145	97.3	0	0	0.0	1	1	100.0	7	5	71.4	22	22	100.0	114	112	98.2
Unknown	14	1	7.1	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
<b>Total</b>	<b>976</b>	<b>920</b>	<b>94.3</b>	<b>2</b>	<b>1</b>	<b>0.0</b>	<b>18</b>	<b>13</b>	<b>72.2</b>	<b>39</b>	<b>32</b>	<b>82.1</b>	<b>96</b>	<b>89</b>	<b>92.7</b>	<b>792</b>	<b>771</b>	<b>97.3</b>

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	1	3	0	1	4	0	0	9	0	5
Shoulder belt only used	1	0	1	0	0	0	2	0	0	4	0	0	4	0	1
Lap belt only used	1	0	0	1	0	1	1	0	0	1	0	0	0	0	0
Both lap & shoulder belts used	795	1	72	744	1	62	763	1	84	845	2	81	875	0	95
No belts used	2	0	1	5	1	2	6	0	6	12	1	7	8	0	2
Child restraint used	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
Child restraint not used, unavailable or improper use	1	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	7	0	0	7	0	3	9	0	3	13	1	2	8	1	1
Helmet worn	9	0	5	7	0	4	4	0	3	4	0	3	3	0	1
Helmet not worn	3	1	2	4	0	4	2	0	2	5	0	5	2	0	2
Helmet use unknown	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0
Uncoded & errors	19	0	0	11	0	0	13	0	0	17	0	0	20	0	0
<b>Total</b>	<b>840</b>	<b>2</b>	<b>81</b>	<b>781</b>	<b>2</b>	<b>77</b>	<b>806</b>	<b>1</b>	<b>101</b>	<b>905</b>	<b>4</b>	<b>98</b>	<b>930</b>	<b>1</b>	<b>108</b>

## 5-Year Trend - Restraint Use Among Drivers Coded Drinking

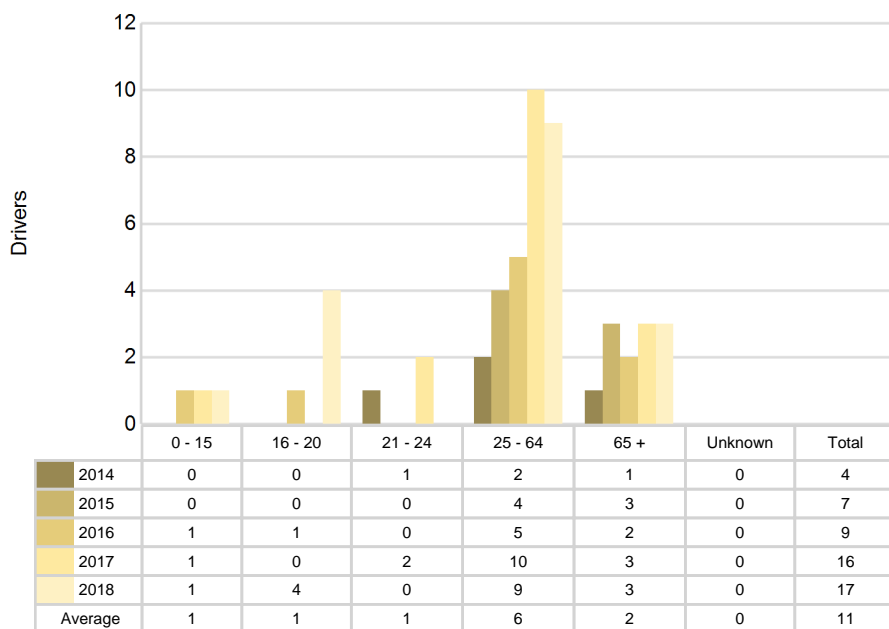
Restraint Use	2014			2015			2016			2017			2018		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Shoulder belt 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	13	1	1	6	0	0	33	0	14	19	0	7	24	0	8
No belts used	0	0	0	0	0	0	1	0	1	4	1	3	1	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	0	3	0	1	4	0	1	8	1	1	1	0	0
Helmet worn	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0
Helmet not worn	0	0	0	1	0	1	0	0	0	2	0	2	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
<b>Total</b>	<b>16</b>	<b>1</b>	<b>1</b>	<b>11</b>	<b>0</b>	<b>3</b>	<b>38</b>	<b>0</b>	<b>16</b>	<b>34</b>	<b>2</b>	<b>13</b>	<b>27</b>	<b>0</b>	<b>8</b>

## 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	1	0	1	1	0	0	1	0	1
16 - 20	0	0	0	0	0	0	1	0	1	0	0	0	4	0	1
21 - 24	1	0	0	0	0	0	0	0	0	2	1	1	0	0	0
25 - 64	2	0	0	4	1	2	5	0	4	10	0	4	9	0	3
65 +	1	0	1	3	0	1	2	0	1	3	0	2	3	0	2
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>7</b>	<b>1</b>	<b>3</b>	<b>9</b>	<b>0</b>	<b>7</b>	<b>16</b>	<b>1</b>	<b>7</b>	<b>17</b>	<b>0</b>	<b>7</b>

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

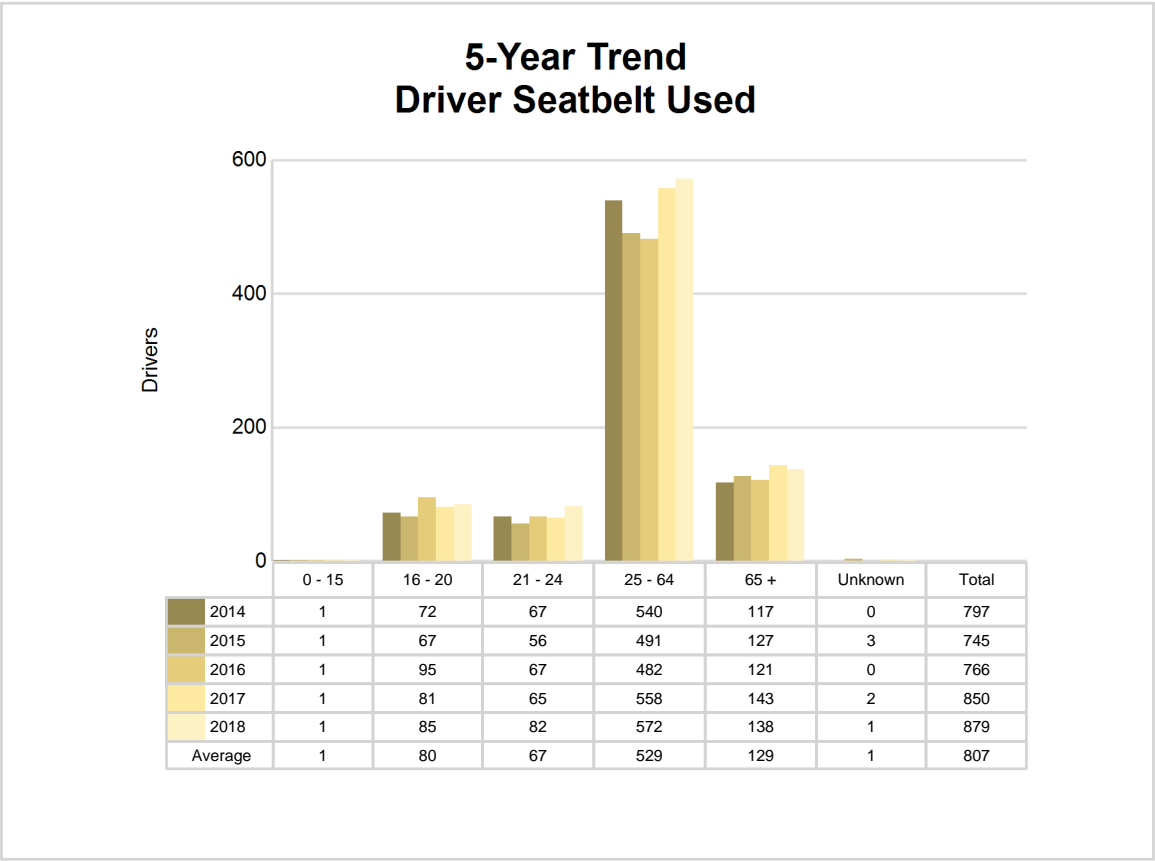
### 5-Year Trend Driver Seatbelt Not Used



5-Year Trend - Seatbelt Used Among Drivers by Age

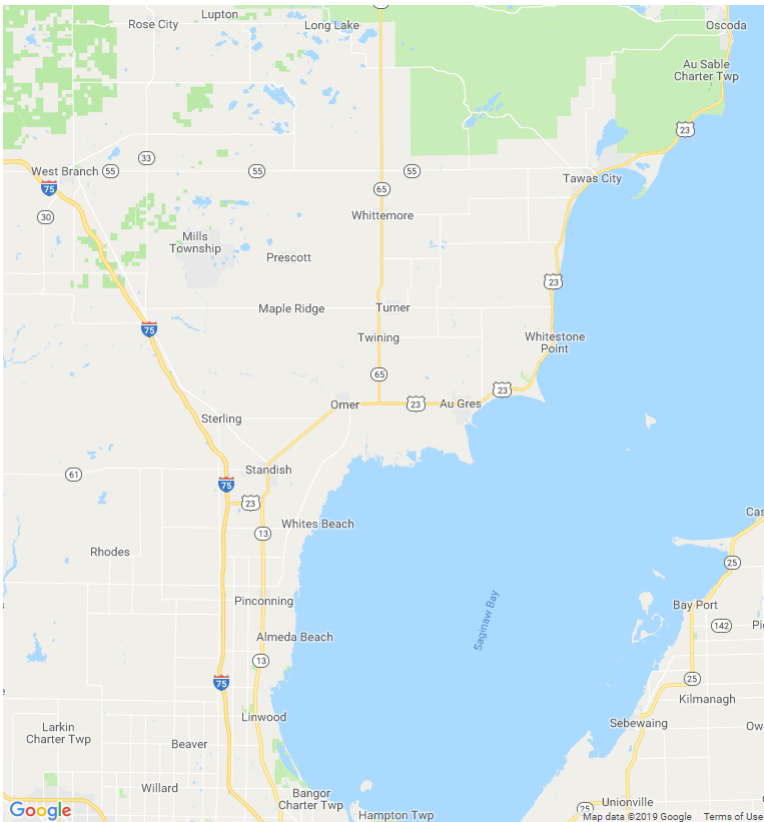
Age Group	2014			2015			2016			2017			2018		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	1	0	0	1	0	0	1	0	0	1	0	0	1	0	1
16 - 20	72	0	7	67	0	11	95	0	15	81	0	13	85	0	12
21 - 24	67	0	8	56	0	5	67	0	6	65	1	6	82	0	9
25 - 64	540	1	39	491	1	39	482	1	46	558	0	50	572	0	53
65 +	117	0	19	127	0	8	121	0	17	143	1	12	138	0	21
Unknown	0	0	0	3	0	0	0	0	0	2	0	0	1	0	0
Total	797	1	73	745	1	63	766	1	84	850	2	81	879	0	96

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	552	1	527	2	416	1	563	3	590	1
Speed too fast	102	0	72	1	125	0	85	2	131	1
Speed too slow	2	0	1	0	0	0	0	0	2	0
Failed to yield	38	0	38	0	53	0	59	0	52	0
Disregard traffic control	9	0	4	0	4	0	5	0	2	0
Drove wrong way	0	0	1	0	1	0	0	0	1	0
Drove left of center	2	0	2	0	4	0	2	0	6	2
Improper passing	3	0	1	0	8	0	4	0	3	0
Improper lane use	4	0	8	0	11	0	10	0	11	0
Improper turn	3	0	2	0	4	0	5	0	3	0
Improper/no signal	3	0	3	0	1	0	2	0	0	0
Improper backing	9	0	5	0	13	0	6	0	4	0
Unable to stop in assured clear distance	33	0	32	0	43	0	51	1	43	0
Other	19	1	13	0	22	0	18	1	16	0
Unknown	6	0	13	0	9	0	11	1	10	0
Reckless driving	5	0	9	0	7	0	4	0	4	0
Careless/negligent driving	36	0	34	1	47	1	35	0	31	0
Uncoded & errors	14	0	16	0	38	0	45	1	21	0
<b>Total</b>	<b>840</b>	<b>2</b>	<b>781</b>	<b>4</b>	<b>806</b>	<b>2</b>	<b>905</b>	<b>9</b>	<b>930</b>	<b>4</b>



In 2018, there were no alcohol-involved fatal crashes in Arenac County.

In 2018, there were 27 alcohol-involved crashes in Arenac County:

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



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