



2016

**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

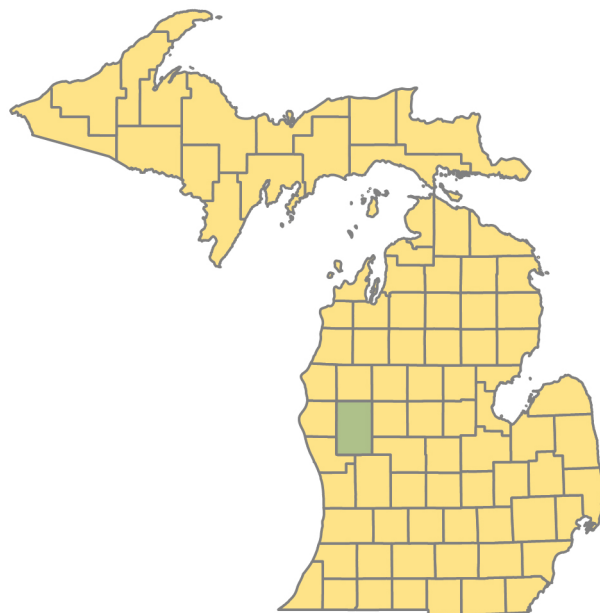
O = No Injury

Property Damage Only (PDO)



## Newaygo County

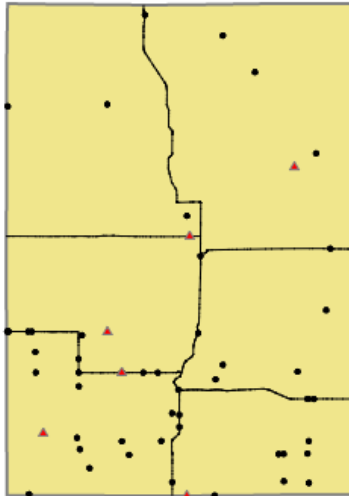
### 2016 Traffic Crash Data & 2012-2016 5-Year Trends



### 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 (6/6)
- A - Suspected Serious (49/49)

## Newaygo County

In 2016:

There were 1,937 drivers involved in 1,525 motor vehicle crashes in Newaygo County. Of those crashes, 6 were classified as fatal, resulting in 6 fatalities. An additional 338 persons were injured.

Newaygo County experienced the highest number of motor vehicle crashes (199) in November, the highest number of fatal crashes (2) and the highest number of persons killed (2) in August.

Michigan driver statistics indicate 6.3 percent of licensed drivers in Newaygo County were age 16-20, and 12.7 percent of drivers in crashes were also in that age group.

## 2016 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	158	0	17	141	0	24
February	103	0	16	87	0	28
March	100	0	16	84	0	27
April	84	1	15	68	1	19
May	107	1	22	84	1	33
June	114	1	18	95	1	27
July	99	0	27	72	0	40
August	93	2	15	76	2	21
September	123	1	32	90	1	38
October	161	0	17	144	0	23
November	199	0	16	183	0	22
December	184	0	25	159	0	36
<b>Total</b>	<b>1,525</b>	<b>6</b>	<b>236</b>	<b>1,283</b>	<b>6</b>	<b>338</b>

## 2016 - Driver Statistics

Age Group	Statewide			Driver Rates	
	2016 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	9,551	221	4	4.2	181.0
16 - 20	2,852	2,293	246	862.6	1,072.8
21 - 24	2,064	2,053	186	901.2	906.0
25 - 64	24,528	23,245	1,237	504.3	532.2
65 +	8,943	8,304	226	252.7	272.2
Unknown	0	0	38	--	--
<b>Total</b>	<b>47,938</b>	<b>36,116</b>	<b>1,937</b>	<b>404.1</b>	<b>536.3</b>

## 2016 - 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	1,360	70.2	5	50.0	227	1,128
Motor home	40	2.1	0	0.0	8	32
Pickup truck	403	20.8	4	40.0	65	334
Small truck under 10,000 lbs. GVWR	56	2.9	0	0.0	11	45
Motorcycle	29	1.5	1	10.0	24	4
Moped / goped	2	0.1	0	0.0	2	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	2	0.1	0	0.0	2	0
Other	18	0.9	0	0.0	1	17
Truck/bus over 10,000 lbs.	18	0.9	0	0.0	2	16
Unknown	9	0.5	0	0.0	0	9
<b>Total</b>	<b>1,937</b>	<b>100.0</b>	<b>10</b>	<b>100.0</b>	<b>342</b>	<b>1,585</b>

## 5-Year Trend - Crashes by Month

Month	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	131	0	116	1	119	0	120	0	158	0
February	102	1	138	0	103	0	80	0	103	0
March	98	0	112	0	134	1	78	1	100	0
April	87	1	75	0	74	0	72	0	84	1
May	92	1	69	1	79	0	103	0	107	1
June	72	0	86	0	113	1	115	0	114	1
July	102	0	96	2	91	2	85	0	99	0
August	71	2	89	1	98	0	81	2	93	2
September	104	0	96	0	84	3	87	2	123	1
October	159	2	122	2	127	0	143	0	161	0
November	150	0	171	0	201	0	162	0	199	0
December	142	1	139	0	155	0	115	2	184	0
<b>Total</b>	<b>1,310</b>	<b>8</b>	<b>1,309</b>	<b>7</b>	<b>1,378</b>	<b>7</b>	<b>1,241</b>	<b>7</b>	<b>1,525</b>	<b>6</b>

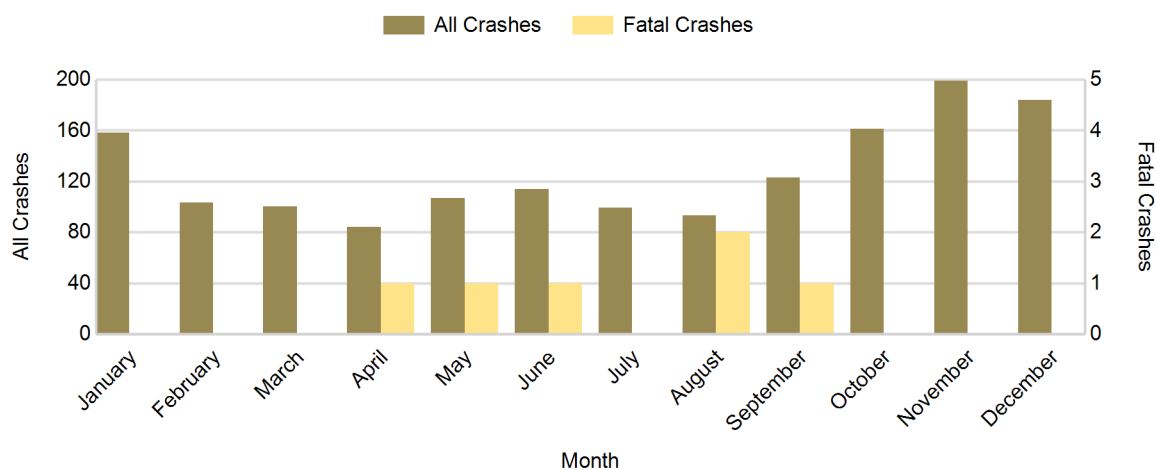
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

## 5-Year Trend - Crashes by Day of Week

Day	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	167	1	190	0	209	2	168	2	192	0
Tuesday	175	0	218	0	205	0	173	0	211	2
Wednesday	156	0	185	1	187	1	170	2	242	0
Thursday	228	1	161	0	214	1	195	1	215	1
Friday	233	2	205	3	217	0	202	0	268	1
Saturday	179	2	179	0	184	2	185	1	234	1
Sunday	172	2	171	3	162	1	148	1	163	1
<b>Total</b>	<b>1,310</b>	<b>8</b>	<b>1,309</b>	<b>7</b>	<b>1,378</b>	<b>7</b>	<b>1,241</b>	<b>7</b>	<b>1,525</b>	<b>6</b>

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

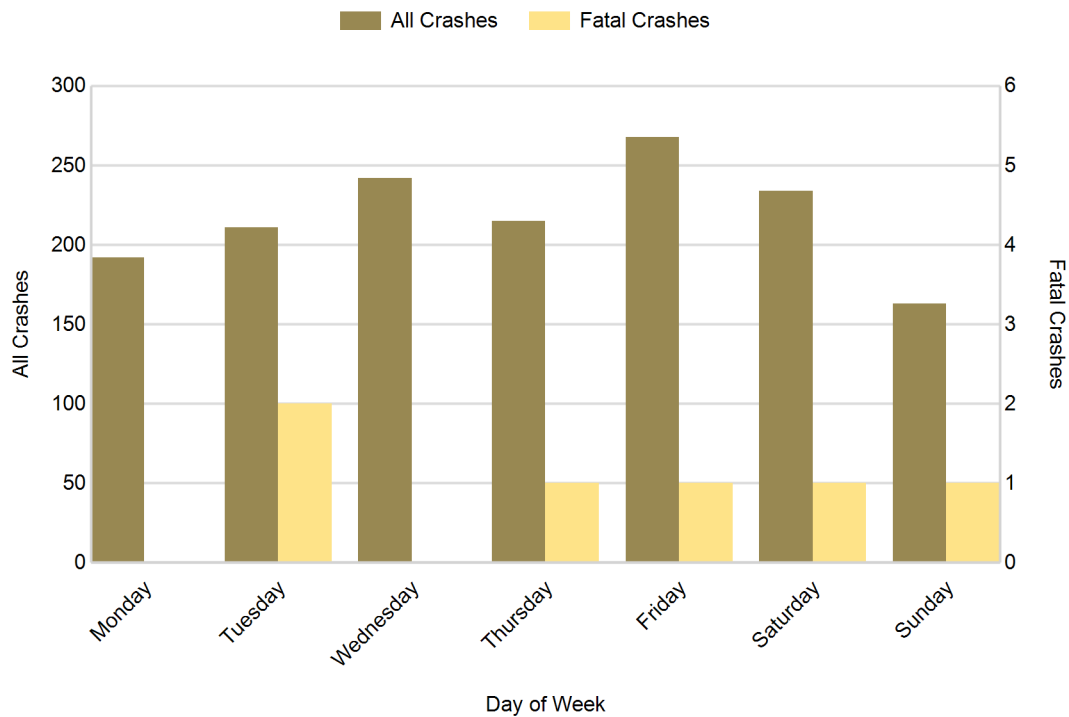
## 2016 Crashes by Month



## 2016 - 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	192	12.6	0	0.0	4	4	14	170
Tuesday	211	13.8	2	33.3	7	12	14	176
Wednesday	242	15.9	0	0.0	4	9	24	205
Thursday	215	14.1	1	16.7	6	10	14	184
Friday	268	17.6	1	16.7	8	8	18	233
Saturday	234	15.3	1	16.7	10	12	20	191
Sunday	163	10.7	1	16.7	10	15	13	124
<b>Total</b>	<b>1,525</b>	<b>100.0</b>	<b>6</b>	<b>100.0</b>	<b>49</b>	<b>70</b>	<b>117</b>	<b>1,283</b>

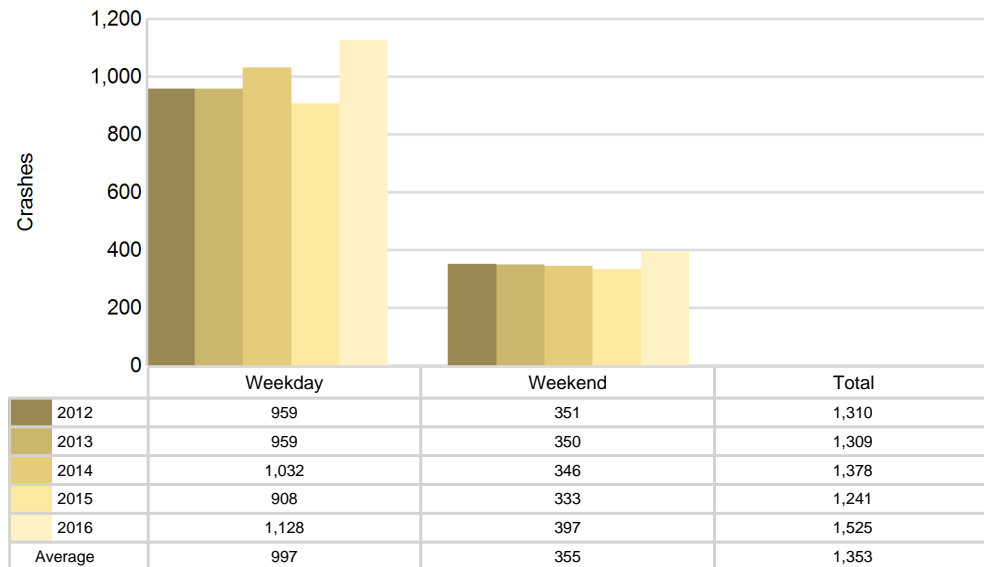
## 2016 Day of Week and Severity



## 5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	959	4	959	4	1,032	4	908	5	1,128	4
Weekend	351	4	350	3	346	3	333	2	397	2
<b>Total</b>	<b>1,310</b>	<b>8</b>	<b>1,309</b>	<b>7</b>	<b>1,378</b>	<b>7</b>	<b>1,241</b>	<b>7</b>	<b>1,525</b>	<b>6</b>

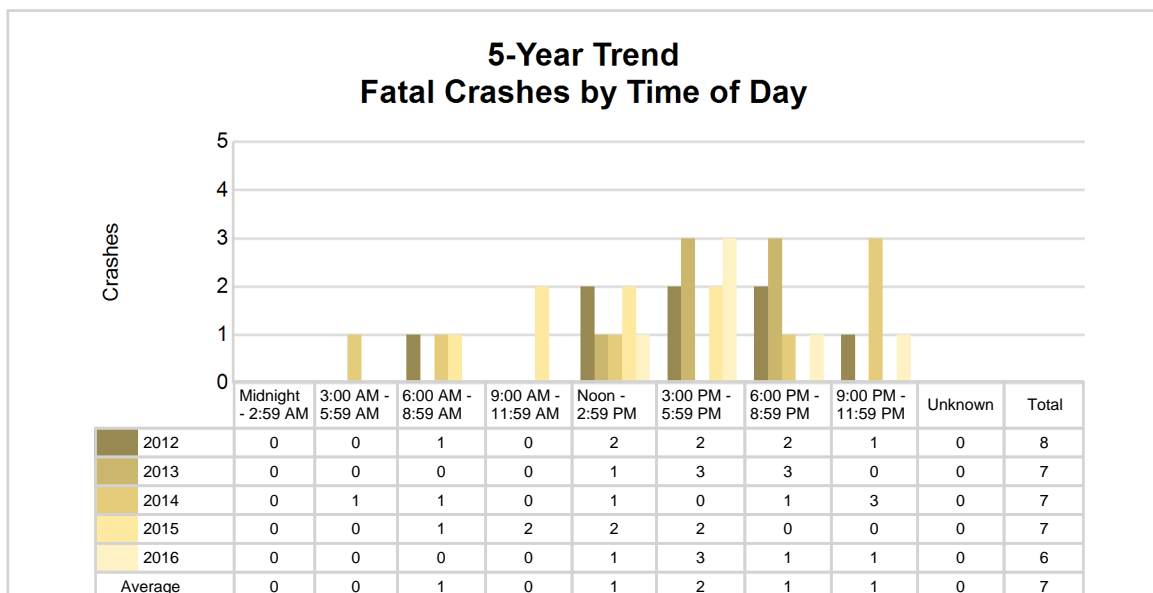
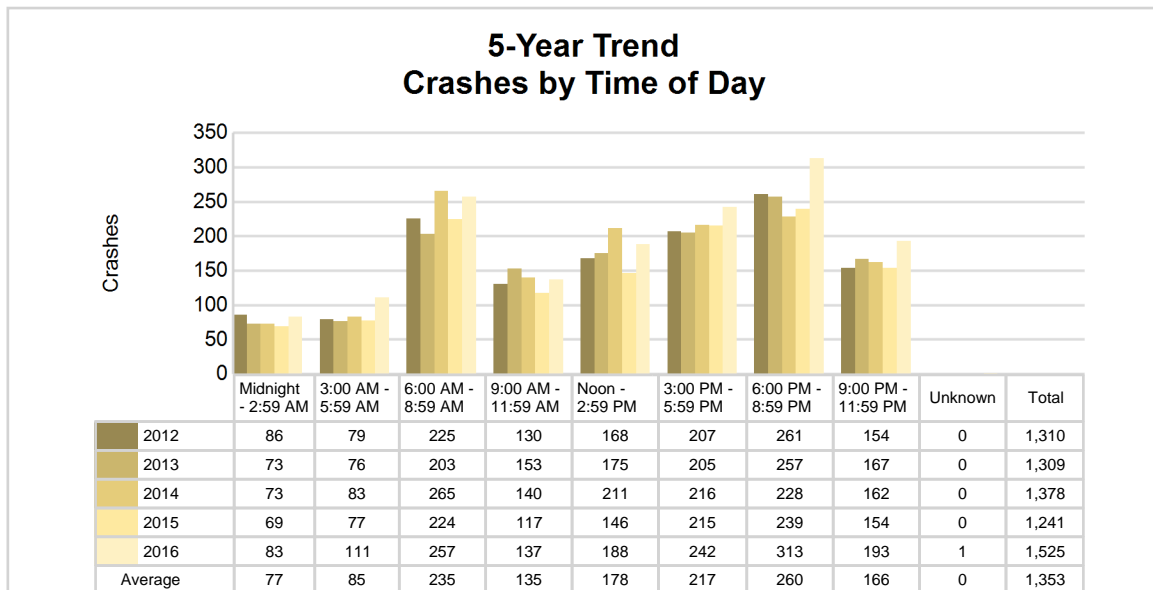
### 5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



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

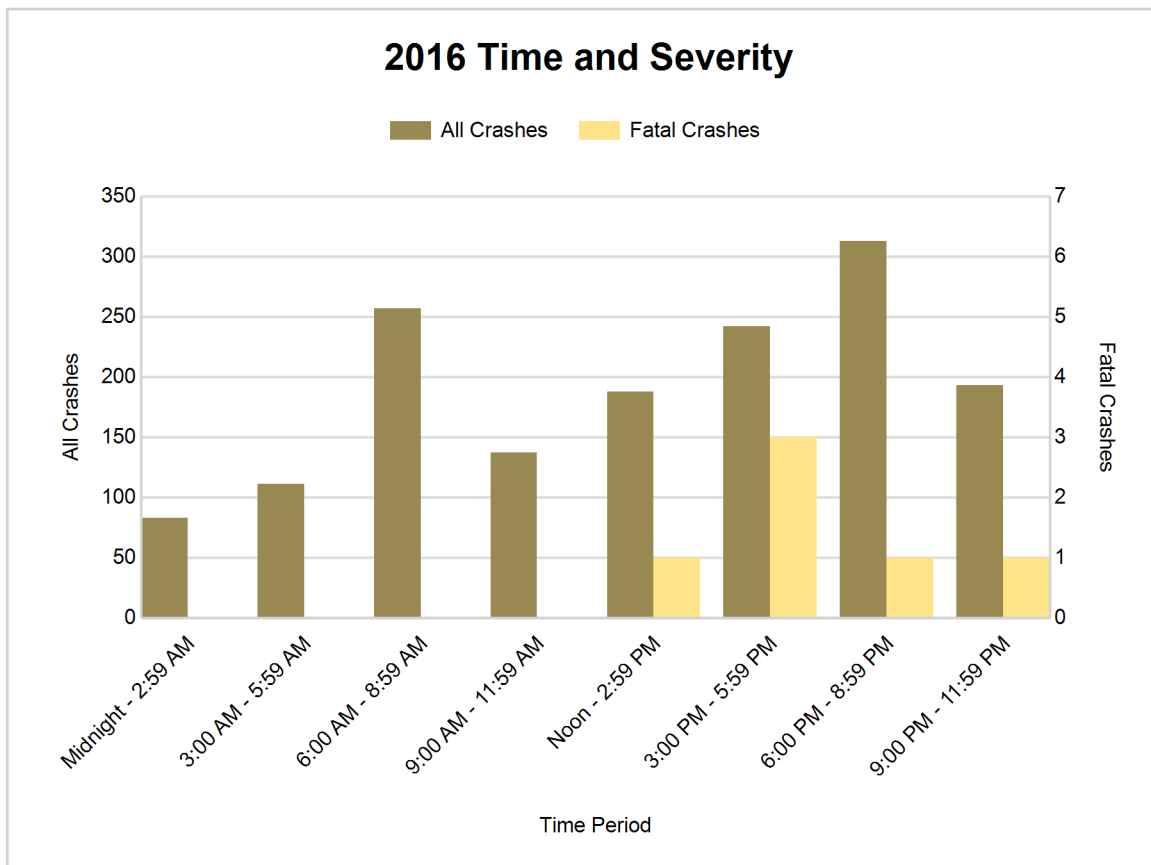
Time of Day	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	86	0	73	0	73	0	69	0	83	0
3:00 AM - 5:59 AM	79	0	76	0	83	1	77	0	111	0
6:00 AM - 8:59 AM	225	1	203	0	265	1	224	1	257	0
9:00 AM - 11:59 AM	130	0	153	0	140	0	117	2	137	0
Noon - 2:59 PM	168	2	175	1	211	1	146	2	188	1
3:00 PM - 5:59 PM	207	2	205	3	216	0	215	2	242	3
6:00 PM - 8:59 PM	261	2	257	3	228	1	239	0	313	1
9:00 PM - 11:59 PM	154	1	167	0	162	3	154	0	193	1
Unknown	0	0	0	0	0	0	0	0	1	0
<b>Total</b>	<b>1,310</b>	<b>8</b>	<b>1,309</b>	<b>7</b>	<b>1,378</b>	<b>7</b>	<b>1,241</b>	<b>7</b>	<b>1,525</b>	<b>6</b>

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



## 2016 - 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	83	5.4	0	0.0	2	8	4	69
3:00 AM - 5:59 AM	111	7.3	0	0.0	1	1	4	105
6:00 AM - 8:59 AM	257	16.9	0	0.0	7	4	13	233
9:00 AM - 11:59 AM	137	9.0	0	0.0	4	8	12	113
Noon - 2:59 PM	188	12.3	1	16.7	12	13	24	138
3:00 PM - 5:59 PM	242	15.9	3	50.0	14	18	34	173
6:00 PM - 8:59 PM	313	20.5	1	16.7	5	12	14	281
9:00 PM - 11:59 PM	193	12.7	1	16.7	4	6	12	170
Unknown	1	0.1	0	0.0	0	0	0	1
<b>Total</b>	<b>1,525</b>	<b>100.0</b>	<b>6</b>	<b>100.0</b>	<b>49</b>	<b>70</b>	<b>117</b>	<b>1,283</b>

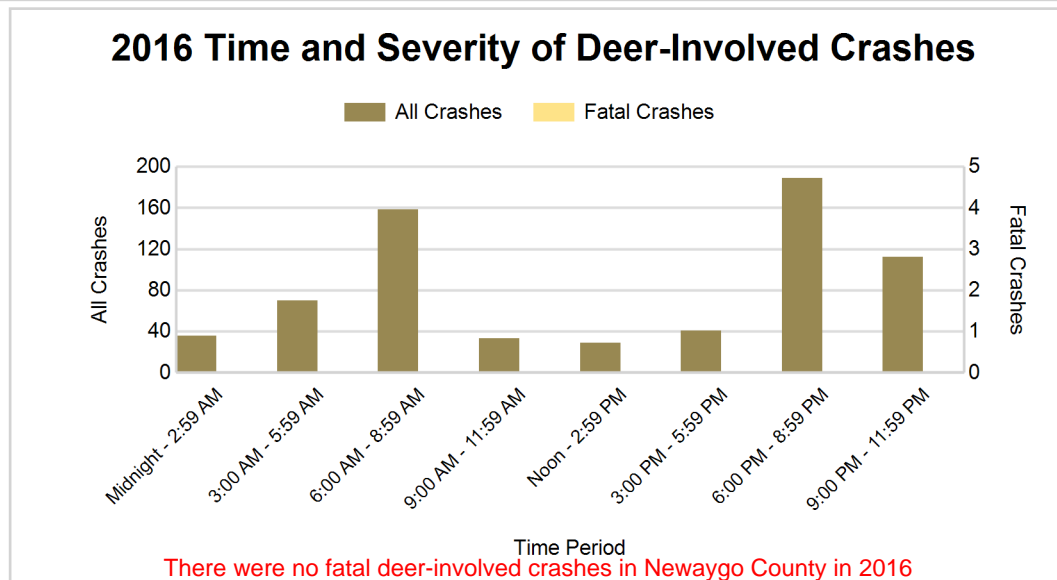
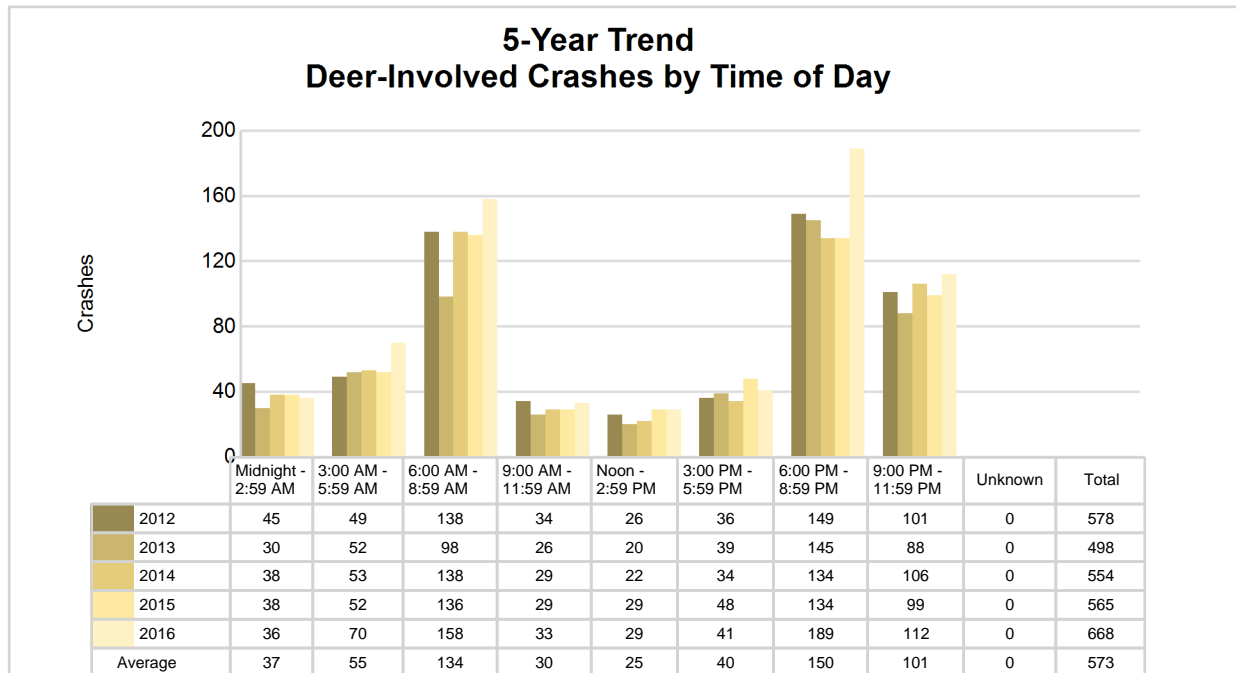




## 5-Year Trend - Deer-Involved Crashes by Time of Day

Time of Day	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	45	0	30	0	38	0	38	0	36	0
3:00 AM - 5:59 AM	49	0	52	0	53	0	52	0	70	0
6:00 AM - 8:59 AM	138	0	98	0	138	0	136	0	158	0
9:00 AM - 11:59 AM	34	0	26	0	29	0	29	0	33	0
Noon - 2:59 PM	26	0	20	0	22	0	29	0	29	0
3:00 PM - 5:59 PM	36	0	39	0	34	0	48	0	41	0
6:00 PM - 8:59 PM	149	0	145	0	134	0	134	0	189	0
9:00 PM - 11:59 PM	101	1	88	0	106	1	99	0	112	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>578</b>	<b>1</b>	<b>498</b>	<b>0</b>	<b>554</b>	<b>1</b>	<b>565</b>	<b>0</b>	<b>668</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



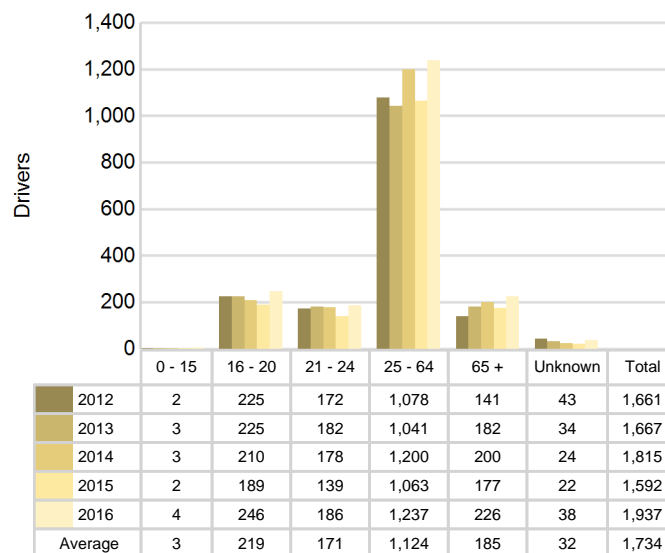
## 2016 - Reported Motor Vehicle Crashes by Municipality

Municipality	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Ashland Twp.	94	0	12	82	0	0	37	56	4	0	47	0	15
Barton Twp.	52	0	5	47	0	0	0	51	4	1	28	0	5
Beaver Twp.	28	0	4	24	0	0	0	28	2	2	15	0	5
Big Prairie Twp.	43	0	10	33	0	0	1	42	5	0	15	0	15
Bridgeton Twp.	72	1	20	51	0	0	0	72	6	2	18	1	24
Brooks Twp.	77	0	12	65	0	0	34	41	4	1	30	0	13
Croton Twp.	86	0	19	67	0	0	41	45	7	0	38	0	25
Dayton Twp.	64	0	5	59	0	0	19	45	1	0	41	0	6
Denver Twp.	56	0	4	52	0	0	21	35	1	0	31	0	5
Ensley Twp.	71	0	10	61	0	0	0	71	1	1	36	0	14
Everett Twp.	46	0	5	41	0	0	21	25	0	0	19	0	7
Fremont	120	0	25	95	0	0	76	44	2	1	8	0	47
Garfield Twp.	86	1	12	73	0	0	55	31	3	2	48	1	16
Goodwell Twp.	48	0	5	43	0	0	23	25	1	0	35	0	6
Grant	17	0	0	17	0	0	9	8	1	1	1	0	0
Grant Twp.	110	1	14	95	0	0	24	86	6	2	53	1	19
Hesperia	2	0	0	2	0	0	2	0	0	0	0	0	0
Home Twp.	23	0	3	20	0	0	0	23	0	0	19	0	6
Lilley Twp.	28	0	3	25	0	0	14	13	1	0	13	0	6
Lincoln Twp.	30	0	5	25	0	0	20	10	0	0	17	0	9
Merrill Twp.	14	0	3	11	0	0	9	5	0	0	5	0	4
Monroe Twp.	13	0	1	12	0	0	0	13	1	0	4	0	1
Newaygo	61	0	15	46	0	0	48	13	2	2	9	0	22
Norwich Twp.	26	1	3	22	0	0	0	26	1	0	14	1	6
Sheridan Twp.	106	0	22	84	0	0	42	64	0	0	47	0	35
Sherman Twp.	95	1	13	81	0	0	0	95	1	0	48	1	20
Troy Twp.	7	0	1	6	0	0	0	7	1	0	4	0	1
White Cloud	16	0	3	13	0	0	10	6	0	0	3	0	4
Wilcox Twp.	34	1	2	31	0	0	18	16	1	0	22	1	2
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1,525</b>	<b>6</b>	<b>236</b>	<b>1,283</b>	<b>0</b>	<b>0</b>	<b>524</b>	<b>996</b>	<b>56</b>	<b>15</b>	<b>668</b>	<b>6</b>	<b>338</b>

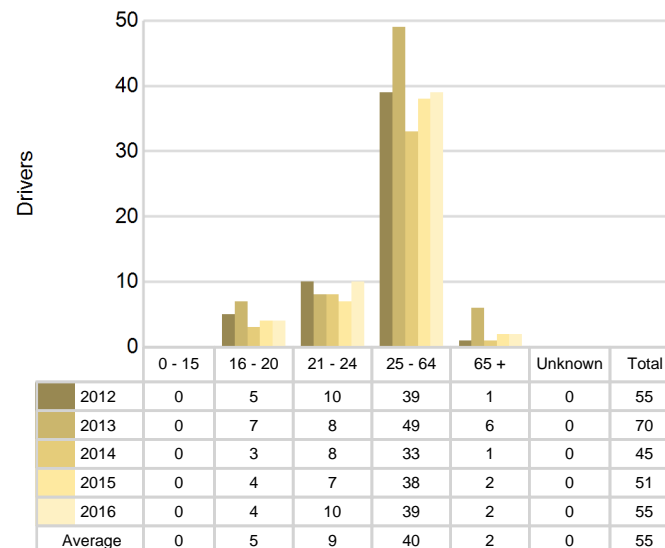
## 5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2012		2013		2014		2015		2016	
	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking
0 - 15	2	0	3	0	3	0	2	0	4	0
16 - 20	225	5	225	7	210	3	189	4	246	4
21 - 24	172	10	182	8	178	8	139	7	186	10
25 - 64	1,078	39	1,041	49	1,200	33	1,063	38	1,237	39
65 +	141	1	182	6	200	1	177	2	226	2
Unknown	43	0	34	0	24	0	22	0	38	0
<b>Total</b>	<b>1,661</b>	<b>55</b>	<b>1,667</b>	<b>70</b>	<b>1,815</b>	<b>45</b>	<b>1,592</b>	<b>51</b>	<b>1,937</b>	<b>55</b>

### 5-Year Trend Total Drivers in Crashes by Age



### 5-Year Trend Total Drivers Coded Drinking by Age



**2016 - 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	5	9	3	4	0	0	2	0	2
21 - 24	11	9	7	10	0	0	3	3	4
25 - 64	43	44	34	39	0	5	10	9	15
65 +	3	3	2	2	0	0	2	0	0
Unknown	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>62</b>	<b>65</b>	<b>46</b>	<b>55</b>	<b>0</b>	<b>5</b>	<b>17</b>	<b>12</b>	<b>21</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 2016, there were 62 drivers in alcohol-involved crashes; 55 (88.7%) of those drivers were coded as had-been-drinking by the officer on the crash form.

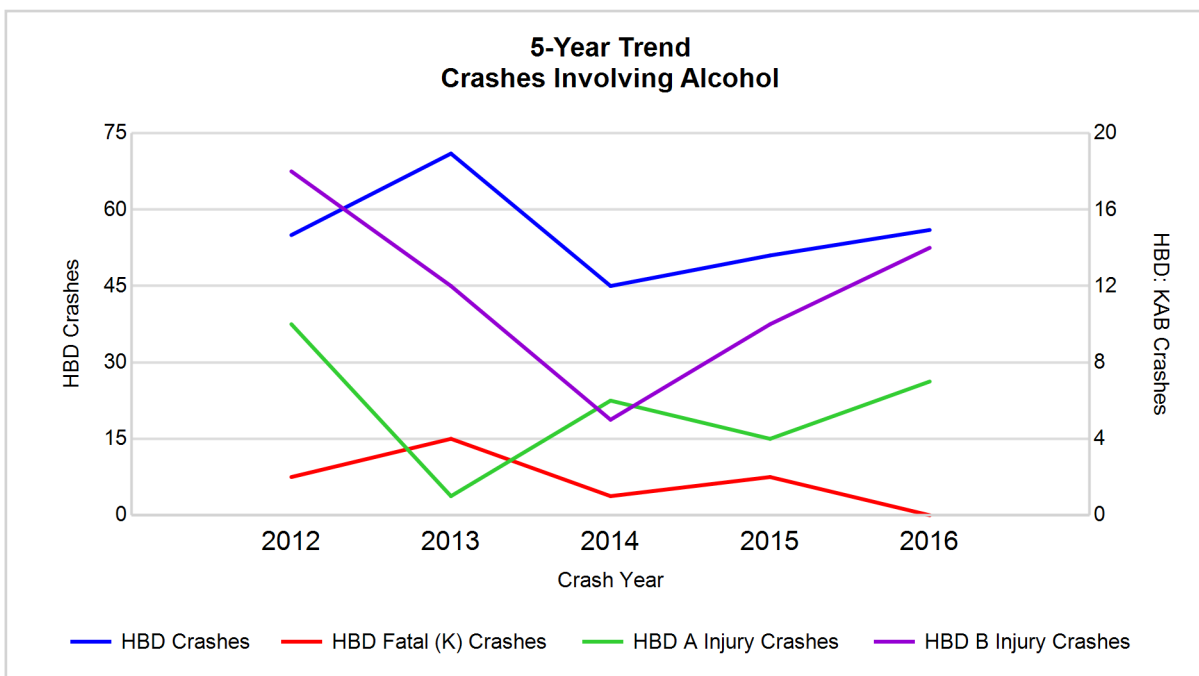
- 29 (52.7%) of the 55 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 12 (41.4%) of the 29 drivers had a BAC at or above 0.17 g/dL.
- 46 (83.6%) of the 55 drivers were coded as had-been-drinking and were tested for alcohol consumption.

**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
2012	1,310	55	4.2	8	2	25.0	47	10	21.3	64	18	28.1
2013	1,309	71	5.4	7	4	57.1	33	1	3.0	72	12	16.7
2014	1,378	45	3.3	7	1	14.3	29	6	20.7	67	5	7.5
2015	1,241	51	4.1	7	2	28.6	26	4	15.4	55	10	18.2
2016	1,525**	56	3.7	6*	0*	0.0*	49**	7	14.3	70	14	20.0

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



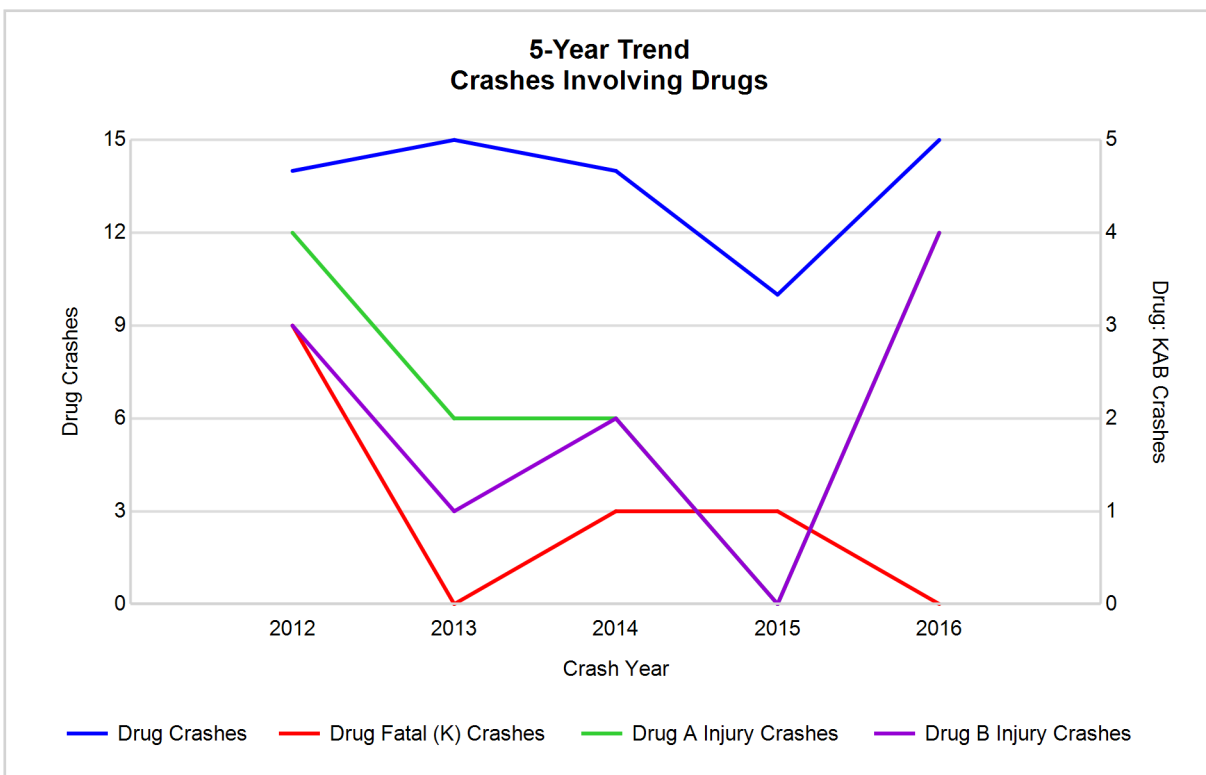
Note: Had-Been-Drinking (HBD)

## 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
2012	1,310	14	1.1	8	3	37.5	47	4	8.5	64	3	4.7
2013	1,309	15	1.1	7	0	0.0	33	2	6.1	72	1	1.4
2014	1,378	14	1.0	7	1	14.3	29	2	6.9	67	2	3.0
2015	1,241	10	0.8	7	1	14.3	26	0	0.0	55	0	0.0
2016	1,525**	15	1.0	6*	0	0.0	49**	4	8.2	70	4**	5.7**

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

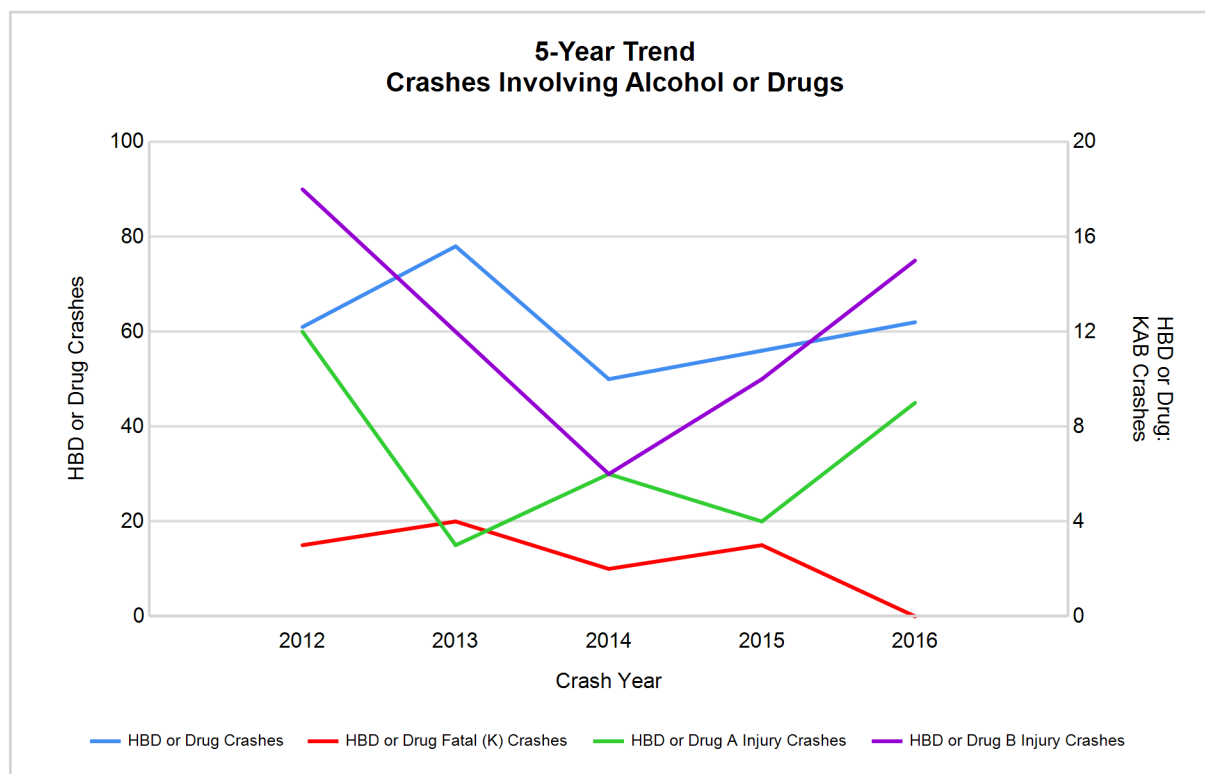


## 5-Year Trend - Crashes Involving Alcohol or Drugs

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
2012	1,310	61	4.7	8	3	37.5	47	12	25.5	64	18	28.1
2013	1,309	78	6.0	7	4	57.1	33	3	9.1	72	12	16.7
2014	1,378	50	3.6	7	2	28.6	29	6	20.7	67	6	9.0
2015	1,241	56	4.5	7	3	42.9	26	4	15.4	55	10	18.2
2016	1,525**	62	4.1	6*	0*	0.0*	49**	9	18.4	70	15	21.4

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)

# Newaygo County (continued)

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## 2016 - 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	1,426	1,366	95.8	2	1	50.0	38	34	89.5	66	59	89.4	126	117	92.9	1,176	1,154	98.1
Motor home	42	40	95.2	0	0	0.0	1	1	100.0	1	1	100.0	6	6	100.0	33	32	97.0
Pickup truck	418	390	93.3	2	0	0.0	7	4	57.1	6	5	83.3	34	32	94.1	363	349	96.1
Small truck under 10,000 lbs. GVWR	59	55	93.2	0	0	0.0	2	1	50.0	5	3	60.0	4	3	75.0	48	48	100.0
Motorcycle	35	19	54.3	1	1	100.0	9	6	66.7	13	4	30.8	6	5	83.3	5	3	60.0
Moped / goped	2	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	1	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	5	2	40.0	0	0	0.0	0	0	0.0	1	0	0.0	2	1	50.0	2	1	50.0
Other	18	10	55.6	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	16	10	62.5
Truck/bus over 10,000 lbs.	18	17	94.4	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	17	16	94.1
Unknown	9	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>2,032</b>	<b>1,899</b>	<b>93.5</b>	<b>5</b>	<b>2</b>	<b>0.0</b>	<b>58</b>	<b>46</b>	<b>79.3</b>	<b>93</b>	<b>72</b>	<b>77.4</b>	<b>179</b>	<b>165</b>	<b>92.2</b>	<b>1,661</b>	<b>1,613</b>	<b>97.1</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.

## 2016 - 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	15	11	73.3	1	1	100.0	2	2	100.0	2	1	50.0	7	5	71.4	3	2	66.7
16 - 20	261	248	95.0	0	0	0.0	6	6	100.0	20	16	80.0	37	34	91.9	198	192	97.0
21 - 24	196	185	94.4	1	0	0.0	7	6	85.7	11	9	81.8	20	19	95.0	157	151	96.2
25 - 64	1,283	1,220	95.1	1	0	0.0	35	26	74.3	48	34	70.8	94	87	92.6	1,104	1,072	97.1
65 +	239	235	98.3	2	1	50.0	8	6	75.0	12	12	100.0	21	20	95.2	196	196	100.0
Unknown	38	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	0	0.0
<b>Total</b>	<b>2,032</b>	<b>1,899</b>	<b>93.5</b>	<b>5</b>	<b>2</b>	<b>0.0</b>	<b>58</b>	<b>46</b>	<b>79.3</b>	<b>93</b>	<b>72</b>	<b>77.4</b>	<b>179</b>	<b>165</b>	<b>92.2</b>	<b>1,661</b>	<b>1,613</b>	<b>97.1</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	2012			2013			2014			2015			2016		
	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	10	0	3	13	0	4	17	0	2	14	0	1	12	0	2
Shoulder belt only used	2	0	0	3	0	0	3	0	0	5	0	0	4	0	0
Lap belt only used	4	0	1	4	0	0	3	0	0	3	0	1	3	0	0
Both lap & shoulder belts used	1,515	3	165	1,520	2	164	1,710	3	167	1,478	2	142	1,797	0	194
No belts used	15	0	7	20	1	11	9	0	4	15	2	6	21	1	12
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	57	2	9	54	0	9	30	0	6	36	1	5	64	1	6
Helmet worn	24	0	21	27	0	22	25	0	16	21	1	17	15	1	10
Helmet not worn	15	2	8	9	1	4	10	2	7	8	0	7	13	0	11
Helmet use unknown	1	0	1	4	0	2	0	0	0	3	0	3	3	0	2
Uncoded & errors	18	0	0	13	0	0	8	0	0	9	0	0	5	0	0
<b>Total</b>	<b>1,661</b>	<b>7</b>	<b>215</b>	<b>1,667</b>	<b>4</b>	<b>216</b>	<b>1,815</b>	<b>5</b>	<b>202</b>	<b>1,592</b>	<b>6</b>	<b>182</b>	<b>1,937</b>	<b>3</b>	<b>237</b>

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

Restraint Use	2012			2013			2014			2015			2016		
	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	1	0	1	0	0	0	1	0	1
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	32	0	15	41	0	14	34	0	13	38	0	12	42	0	15
No belts used	3	0	2	7	1	3	2	0	1	6	1	4	5	0	4
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	13	1	6	17	0	4	6	0	4	5	0	3	4	0	2
Helmet worn	3	0	3	2	0	2	1	0	1	1	0	1	1	0	1
Helmet not worn	3	1	2	3	1	0	1	1	0	1	0	1	2	0	2
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>55</b>	<b>2</b>	<b>29</b>	<b>70</b>	<b>2</b>	<b>23</b>	<b>45</b>	<b>1</b>	<b>20</b>	<b>51</b>	<b>1</b>	<b>21</b>	<b>55</b>	<b>0</b>	<b>25</b>

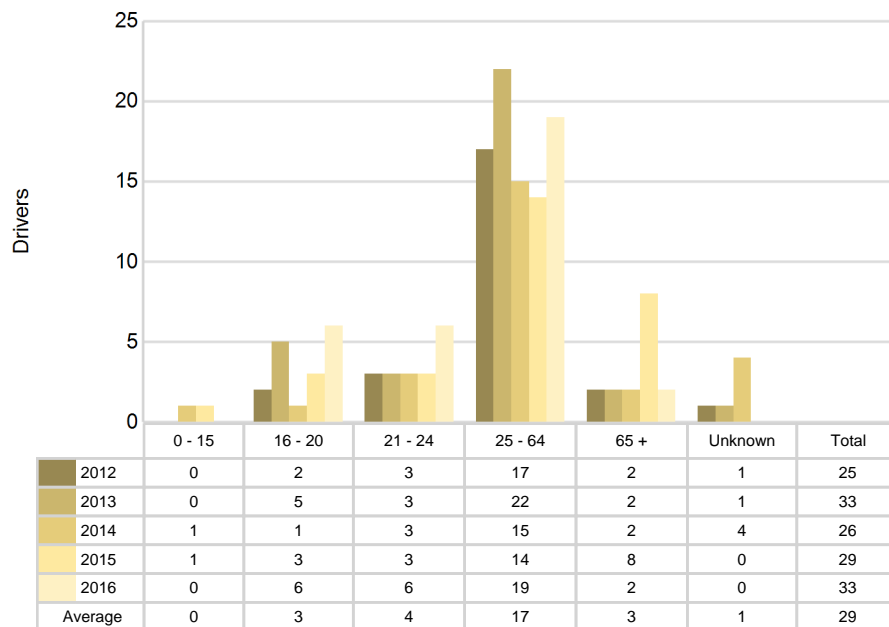


## 5-Year Trend - Seatbelt Not Used Among Drivers by Age

Age Group	2012			2013			2014			2015			2016		
	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	0	1	0	0	0	0	0
16 - 20	2	0	1	5	0	2	1	0	0	3	0	1	6	0	3
21 - 24	3	0	3	3	0	3	3	0	0	3	1	1	6	1	3
25 - 64	17	0	5	22	1	8	15	0	5	14	0	4	19	0	6
65 +	2	0	1	2	0	2	2	0	1	8	1	1	2	0	2
Unknown	1	0	0	1	0	0	4	0	0	0	0	0	0	0	0
<b>Total</b>	<b>25</b>	<b>0</b>	<b>10</b>	<b>33</b>	<b>1</b>	<b>15</b>	<b>26</b>	<b>0</b>	<b>6</b>	<b>29</b>	<b>2</b>	<b>7</b>	<b>33</b>	<b>1</b>	<b>14</b>

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

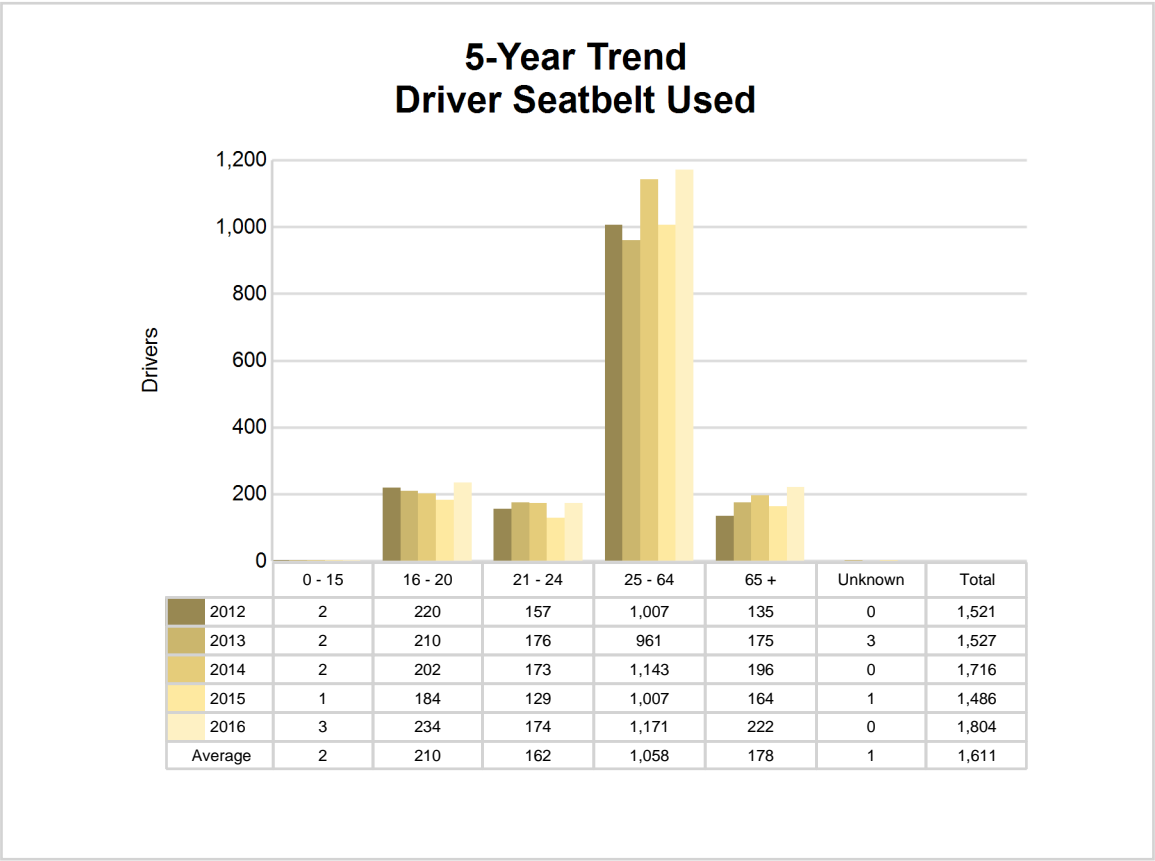
## 5-Year Trend Driver Seatbelt Not Used



5-Year Trend - Seatbelt Used Among Drivers by Age

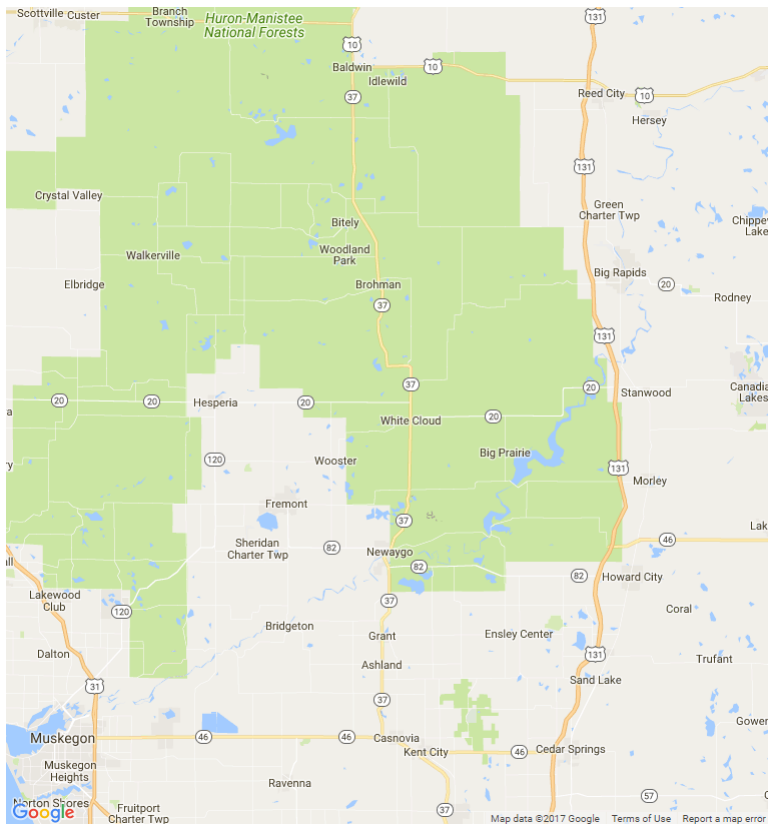
Age Group	2012			2013			2014			2015			2016		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	2	0	0	2	0	1	2	0	0	1	0	0	3	0	1
16 - 20	220	0	29	210	0	37	202	0	15	184	1	24	234	0	42
21 - 24	157	0	24	176	0	23	173	1	16	129	0	12	174	0	23
25 - 64	1,007	2	99	961	1	76	1,143	1	115	1,007	0	86	1,171	0	101
65 +	135	1	14	175	1	27	196	1	21	164	1	21	222	0	27
Unknown	0	0	0	3	0	0	0	0	0	1	0	0	0	0	0
Total	1,521	3	166	1,527	2	164	1,716	3	167	1,486	2	143	1,804	0	194

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	2012		2013		2014		2015		2016	
	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	1,034	6	991	5	1,088	5	1,012	5	1,209	6
Speed too fast	205	4	269	2	276	0	190	3	253	1
Speed too slow	0	0	1	0	2	0	2	0	2	0
Failed to yield	99	1	118	1	114	0	118	0	119	3
Disregard traffic control	27	1	20	0	27	1	20	1	29	0
Drove wrong way	0	0	3	0	0	0	0	0	1	0
Drove left of center	10	0	12	1	14	1	15	0	6	0
Improper passing	7	0	7	1	4	0	8	0	9	0
Improper lane use	9	0	10	0	13	0	7	0	3	0
Improper turn	11	0	7	0	14	0	6	0	14	0
Improper/no signal	5	0	3	0	5	0	1	0	4	0
Improper backing	15	0	11	0	12	0	8	0	23	0
Unable to stop in assured clear distance	107	0	91	0	124	0	90	0	125	0
Other	49	0	44	0	50	0	36	0	52	0
Unknown	36	0	33	0	34	2	27	1	33	0
Reckless driving	9	0	5	0	10	0	8	0	11	0
Careless/negligent driving	28	0	42	1	28	2	44	0	39	0
Uncoded & errors	10	0	0	0	0	0	0	0	5	0
<b>Total</b>	<b>1,661</b>	<b>12</b>	<b>1,667</b>	<b>11</b>	<b>1,815</b>	<b>11</b>	<b>1,592</b>	<b>10</b>	<b>1,937</b>	<b>10</b>



In 2016, there were no alcohol-involved fatal crashes in Newaygo County.

In 2016, there were 56 alcohol-involved crashes in Newaygo County:

- 0 K - Fatal Crashes
- 7 A - Suspected Serious Injury Crashes
- 14 B - Suspected Minor Injury Crashes
- 6 C - Possible Injury Crashes
- 29 O - Property Damage Only/No Injury Crashes

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