



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

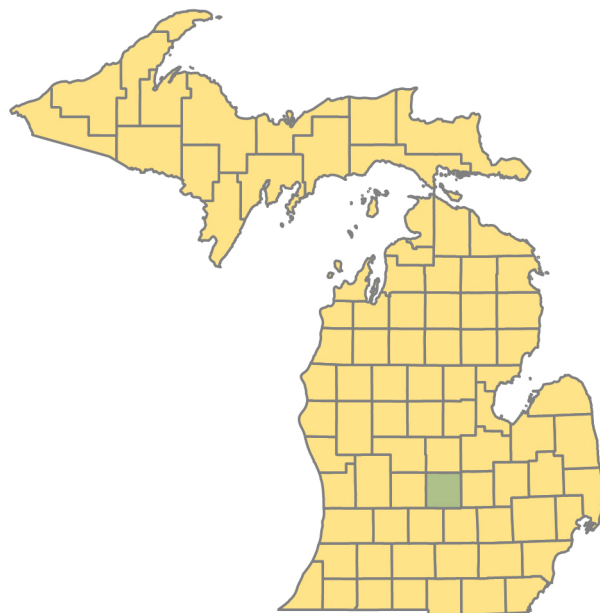
O = No Injury

Property Damage Only (PDO)



## Clinton County

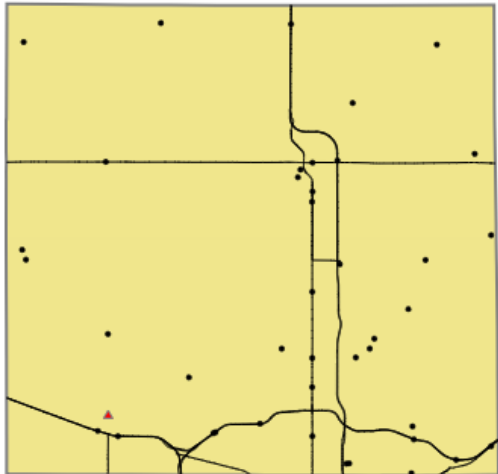
### 2017 Traffic Crash Data & 2013-2017 5-Year Trends



### 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 (1/1)
- A - Suspected Serious (41/41)

## Clinton County

In 2017:

There were 3,029 drivers involved in 2,251 motor vehicle crashes in Clinton County. Of those crashes, 1 was classified as fatal, resulting in 2 fatalities. An additional 399 persons were injured.

Clinton County experienced the highest number of motor vehicle crashes (297) in December, the highest number of fatal crashes (1) and the highest number of persons killed (2) in May.

Michigan driver statistics indicate 7.8 percent of licensed drivers in Clinton County were age 16-20, and 12.7 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	232	0	23	209	0	32
February	130	0	12	118	0	12
March	191	0	39	152	0	57
April	135	0	21	114	0	26
May	188	1	29	158	2	45
June	166	0	20	146	0	34
July	120	0	16	104	0	19
August	139	0	28	111	0	48
September	103	0	24	79	0	39
October	268	0	28	240	0	41
November	282	0	13	269	0	17
December	297	0	21	276	0	29
<b>Total</b>	<b>2,251</b>	<b>1</b>	<b>274</b>	<b>1,976</b>	<b>2</b>	<b>399</b>

## 2017 - Driver Statistics

Age Group	Clinton County			Driver Rates	
	2017 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	15,443	612	9	5.8	147.1
16 - 20	4,816	4,727	386	801.5	816.6
21 - 24	4,021	4,631	311	773.4	671.6
25 - 64	41,344	38,293	1,931	467.1	504.3
65 +	12,819	12,048	284	221.5	235.7
Unknown	0	0	108	- -	- -
<b>Total</b>	<b>78,443</b>	<b>60,311</b>	<b>3,029</b>	<b>386.1</b>	<b>502.2</b>

## 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	2,310	76.3	2	100.0	330	1,978
Motor home	33	1.1	0	0.0	4	29
Pickup truck	501	16.5	0	0.0	56	445
Small truck under 10,000 lbs. GVWR	19	0.6	0	0.0	3	16
Motorcycle	20	0.7	0	0.0	16	4
Moped / goped	0	0.0	0	0.0	0	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	1	1
Other	49	1.6	0	0.0	5	44
Truck/bus over 10,000 lbs.	66	2.2	0	0.0	13	53
Unknown	29	1.0	0	0.0	4	25
<b>Total</b>	<b>3,029</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>432</b>	<b>2,595</b>

## 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	215	1	277	1	216	0	222	0	232	0
February	191	0	186	0	162	0	165	0	130	0
March	152	0	167	2	117	0	148	0	191	0
April	122	0	121	1	120	0	120	0	135	0
May	140	0	137	0	156	1	173	0	188	1
June	141	0	164	0	161	2	176	2	166	0
July	114	0	134	0	145	1	110	2	120	0
August	124	1	122	0	124	0	145	2	139	0
September	145	0	127	2	151	0	144	3	103	0
October	254	1	298	0	275	1	256	1	268	0
November	312	1	322	0	322	0	279	1	282	0
December	264	1	195	3	170	0	220	1	297	0
<b>Total</b>	<b>2,174</b>	<b>5</b>	<b>2,250</b>	<b>9</b>	<b>2,119</b>	<b>5</b>	<b>2,158</b>	<b>12</b>	<b>2,251</b>	<b>1</b>

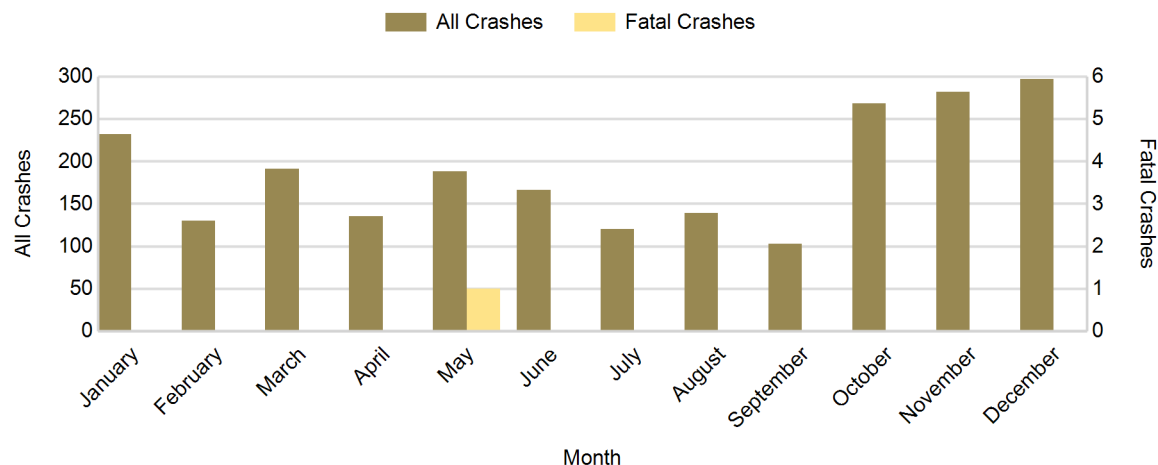
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

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

Day	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	310	0	301	2	292	1	291	1	334	0
Tuesday	306	1	335	3	291	0	327	2	330	0
Wednesday	297	1	355	1	323	0	366	2	341	0
Thursday	317	1	334	1	263	1	338	2	325	0
Friday	322	0	363	1	362	1	333	1	381	0
Saturday	332	2	275	1	332	0	265	3	283	0
Sunday	290	0	287	0	256	2	238	1	257	1
<b>Total</b>	<b>2,174</b>	<b>5</b>	<b>2,250</b>	<b>9</b>	<b>2,119</b>	<b>5</b>	<b>2,158</b>	<b>12</b>	<b>2,251</b>	<b>1</b>

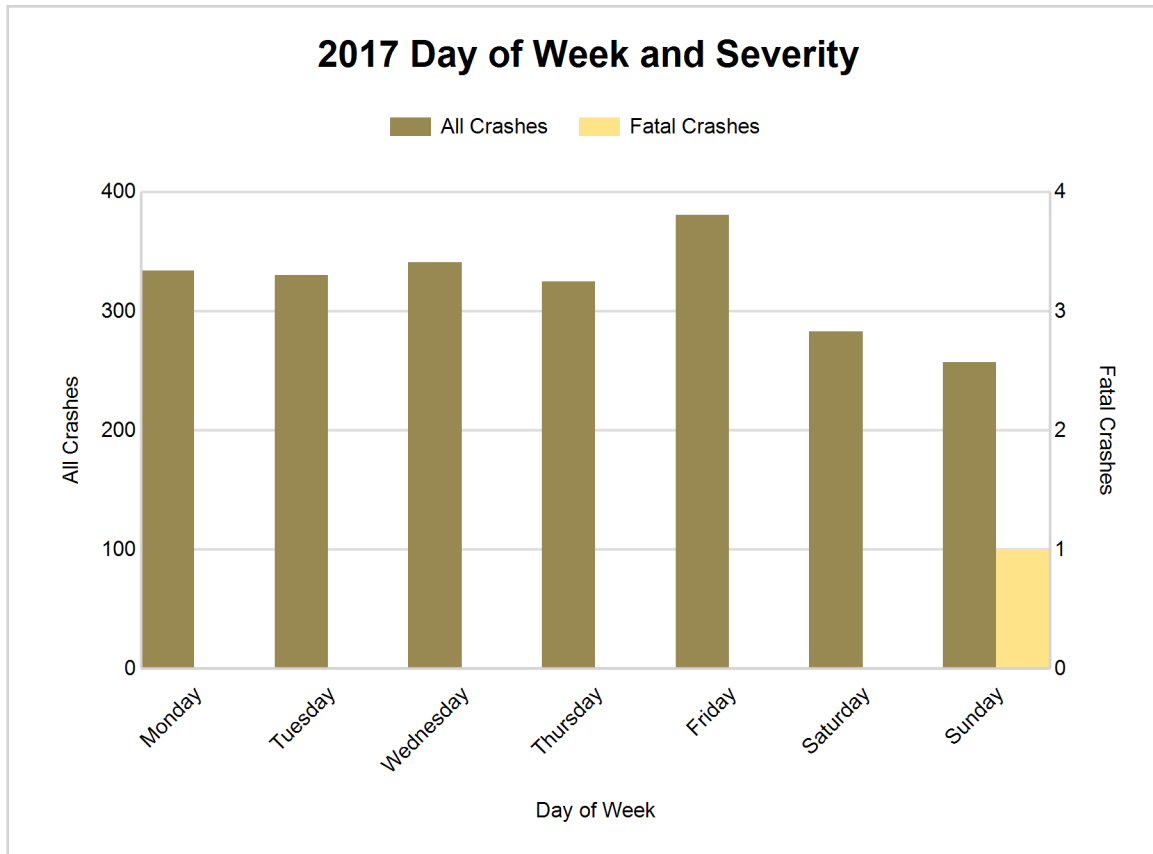
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred on the same day of the week

## 2017 Crashes by Month



## 2017 - Crashes by Day of Week

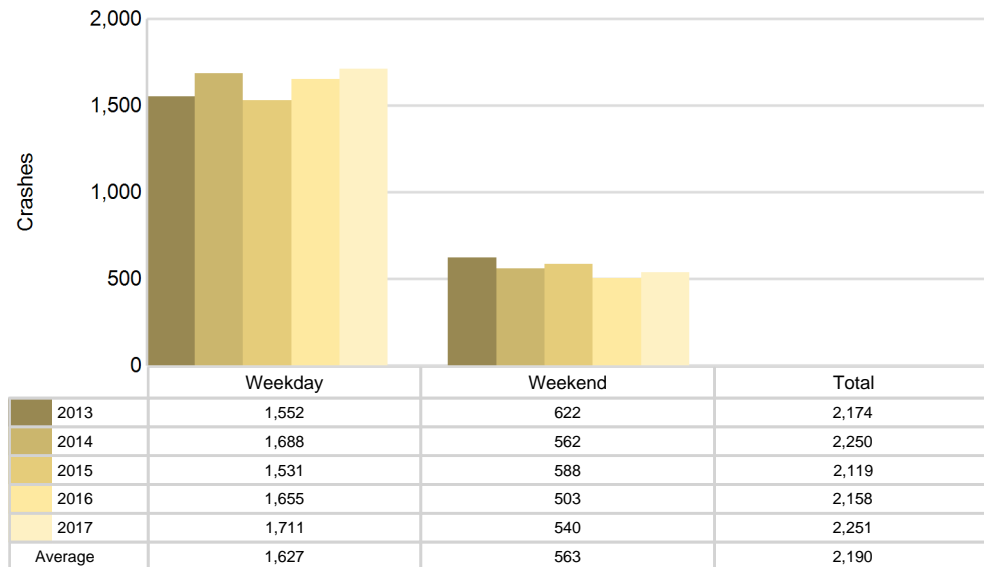
Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Monday	334	14.8	0	0.0	5	10	14	305
Tuesday	330	14.7	0	0.0	8	9	23	290
Wednesday	341	15.1	0	0.0	3	13	32	293
Thursday	325	14.4	0	0.0	6	17	12	290
Friday	381	16.9	0	0.0	7	16	24	334
Saturday	283	12.6	0	0.0	7	22	19	235
Sunday	257	11.4	1	100.0	5	12	10	229
<b>Total</b>	<b>2,251</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>41</b>	<b>99</b>	<b>134</b>	<b>1,976</b>



## 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	1,552	3	1,688	8	1,531	3	1,655	8	1,711	0
Weekend	622	2	562	1	588	2	503	4	540	1
<b>Total</b>	<b>2,174</b>	<b>5</b>	<b>2,250</b>	<b>9</b>	<b>2,119</b>	<b>5</b>	<b>2,158</b>	<b>12</b>	<b>2,251</b>	<b>1</b>

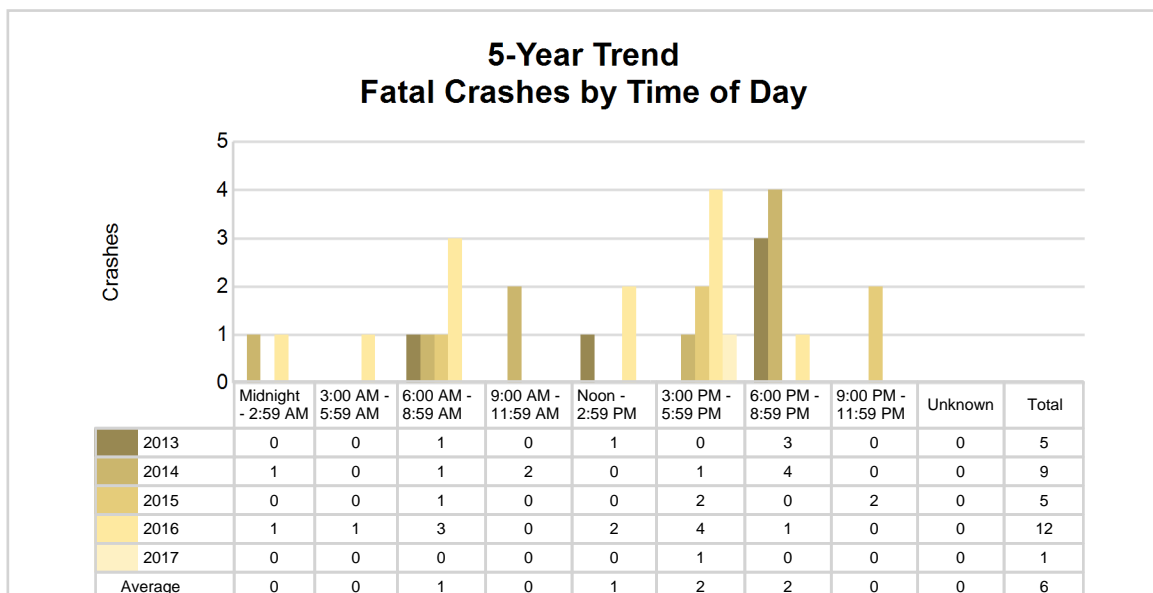
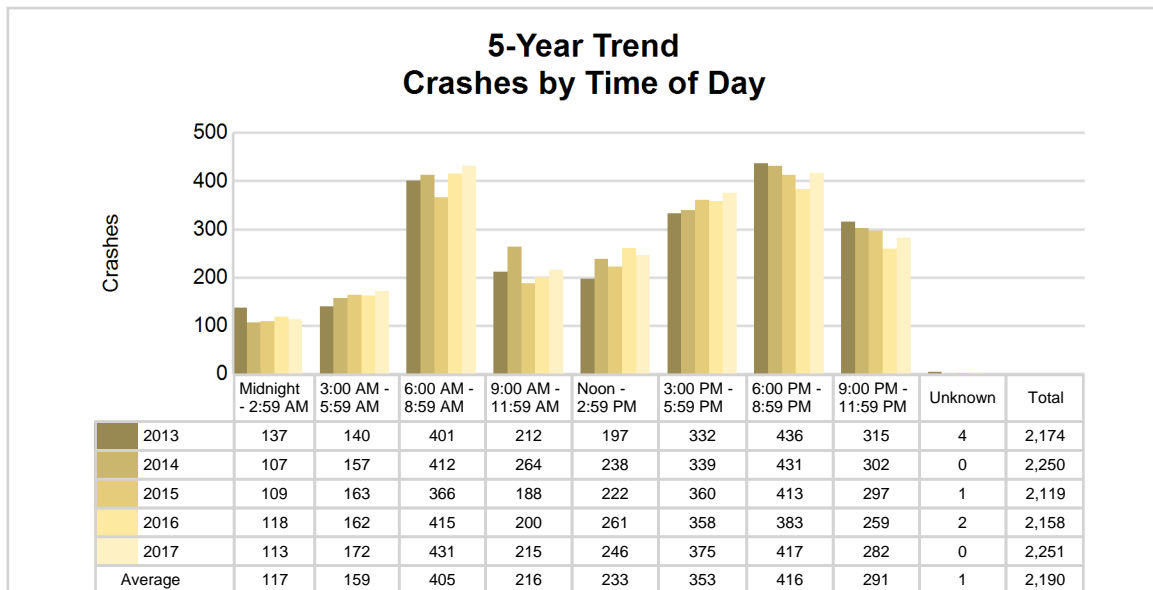
### 5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



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

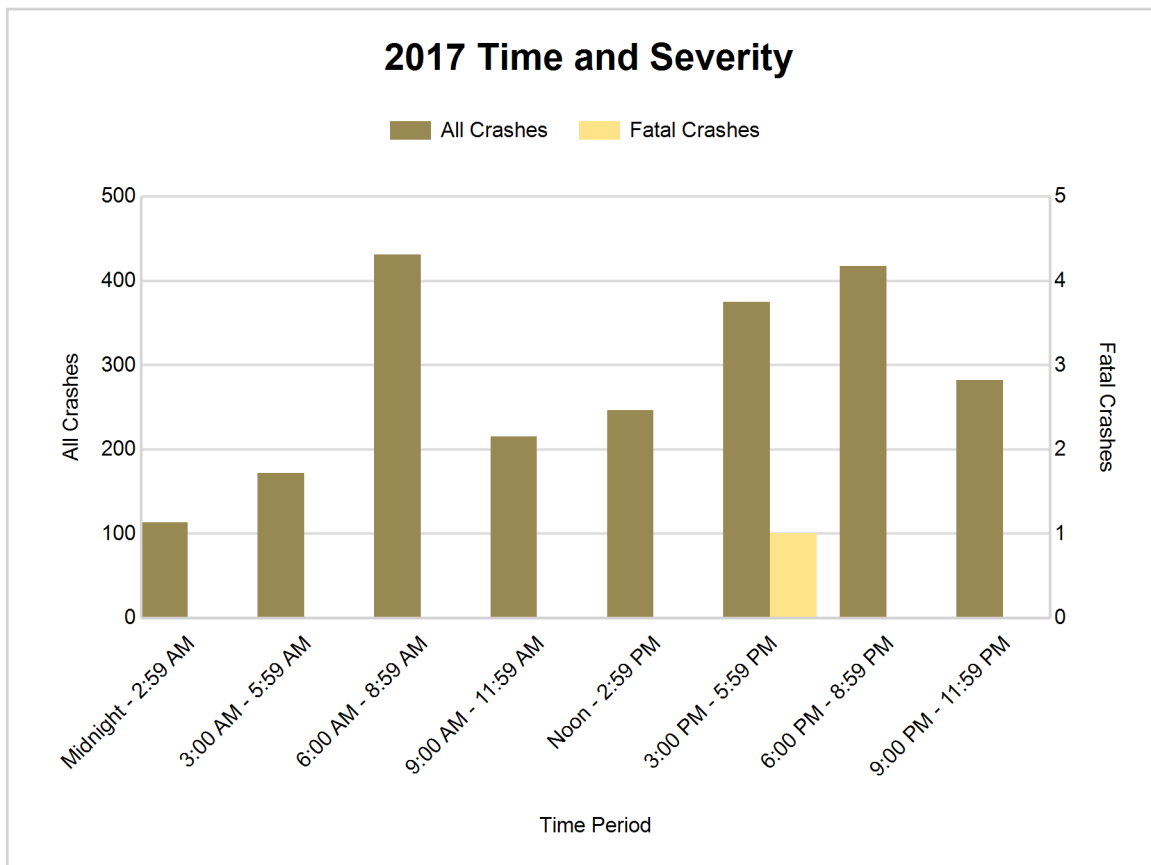
Time of Day	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	137	0	107	1	109	0	118	1	113	0
3:00 AM - 5:59 AM	140	0	157	0	163	0	162	1	172	0
6:00 AM - 8:59 AM	401	1	412	1	366	1	415	3	431	0
9:00 AM - 11:59 AM	212	0	264	2	188	0	200	0	215	0
Noon - 2:59 PM	197	1	238	0	222	0	261	2	246	0
3:00 PM - 5:59 PM	332	0	339	1	360	2	358	4	375	1
6:00 PM - 8:59 PM	436	3	431	4	413	0	383	1	417	0
9:00 PM - 11:59 PM	315	0	302	0	297	2	259	0	282	0
Unknown	4	0	0	0	1	0	2	0	0	0
<b>Total</b>	<b>2,174</b>	<b>5</b>	<b>2,250</b>	<b>9</b>	<b>2,119</b>	<b>5</b>	<b>2,158</b>	<b>12</b>	<b>2,251</b>	<b>1</b>

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	113	5.0	0	0.0	3	7	5	98
3:00 AM - 5:59 AM	172	7.6	0	0.0	3	1	15	153
6:00 AM - 8:59 AM	431	19.1	0	0.0	4	14	15	398
9:00 AM - 11:59 AM	215	9.6	0	0.0	3	8	12	192
Noon - 2:59 PM	246	10.9	0	0.0	8	8	24	206
3:00 PM - 5:59 PM	375	16.7	1	100.0	7	26	35	306
6:00 PM - 8:59 PM	417	18.5	0	0.0	10	27	14	366
9:00 PM - 11:59 PM	282	12.5	0	0.0	3	8	14	257
Unknown	0	0.0	0	0.0	0	0	0	0
<b>Total</b>	<b>2,251</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>41</b>	<b>99</b>	<b>134</b>	<b>1,976</b>

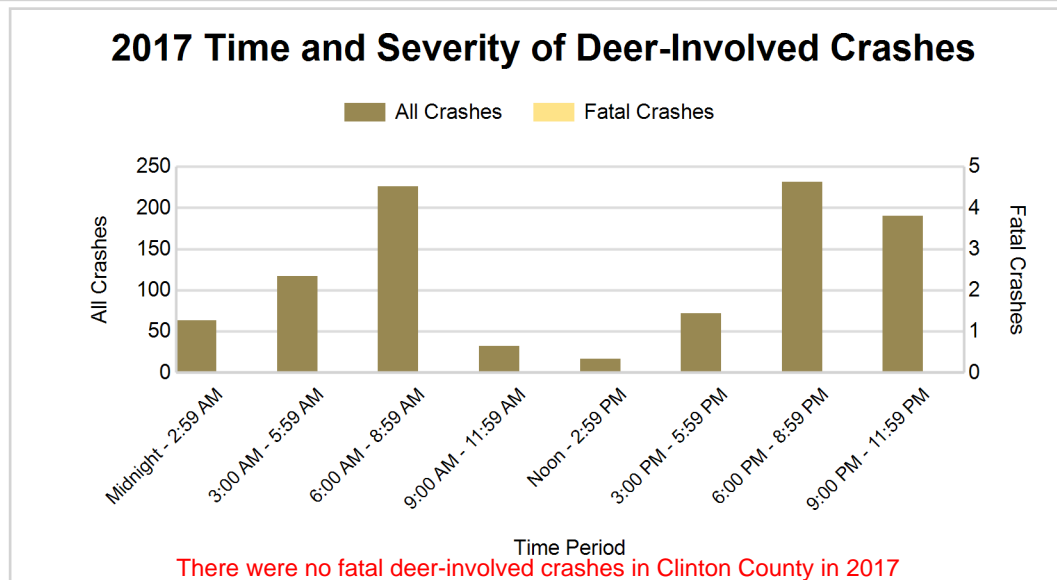
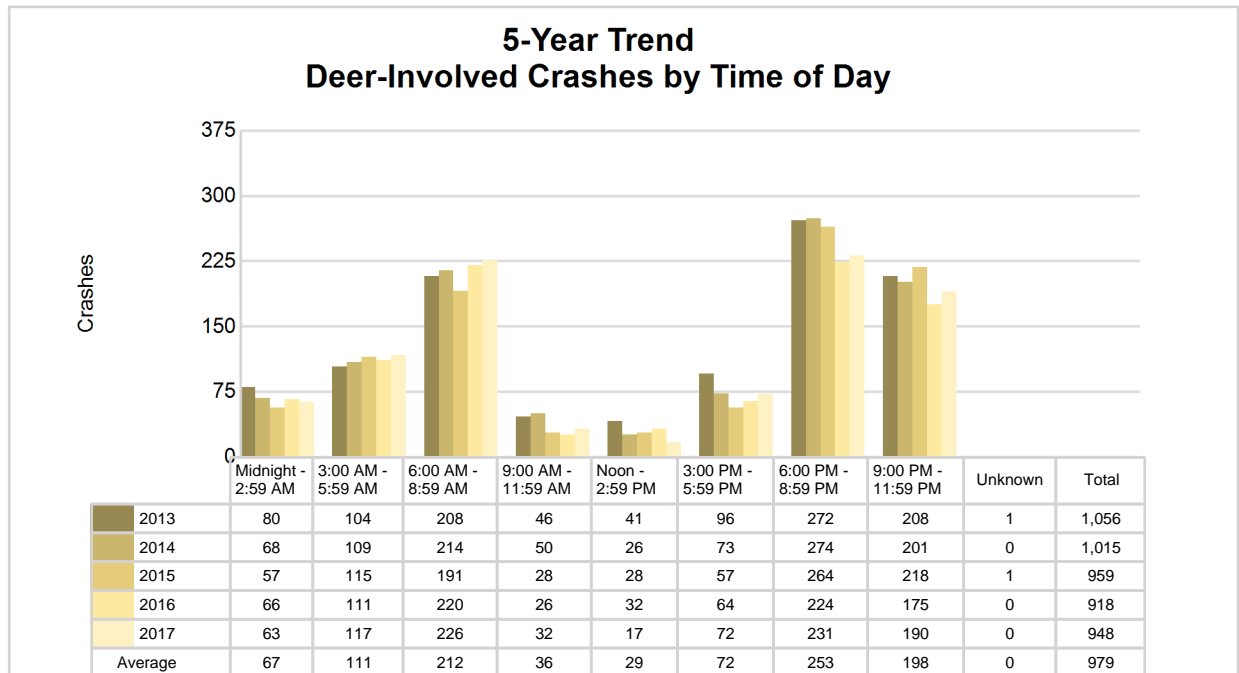




## 5-Year Trend - Deer-Involved Crashes by Time of Day

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	80	0	68	0	57	0	66	0	63	0
3:00 AM - 5:59 AM	104	0	109	0	115	0	111	0	117	0
6:00 AM - 8:59 AM	208	0	214	0	191	0	220	0	226	0
9:00 AM - 11:59 AM	46	0	50	0	28	0	26	0	32	0
Noon - 2:59 PM	41	0	26	0	28	0	32	0	17	0
3:00 PM - 5:59 PM	96	0	73	0	57	0	64	0	72	0
6:00 PM - 8:59 PM	272 †	0	274 †	0	264 †	0	224 †	1	231 †	0
9:00 PM - 11:59 PM	208	0	201	0	218	0	175	0	190	0
Unknown	1	0	0	0	1	0	0	0	0	0
<b>Total</b>	<b>1,056</b>	<b>0</b>	<b>1,015</b>	<b>0</b>	<b>959</b>	<b>0</b>	<b>918</b>	<b>1</b>	<b>948</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



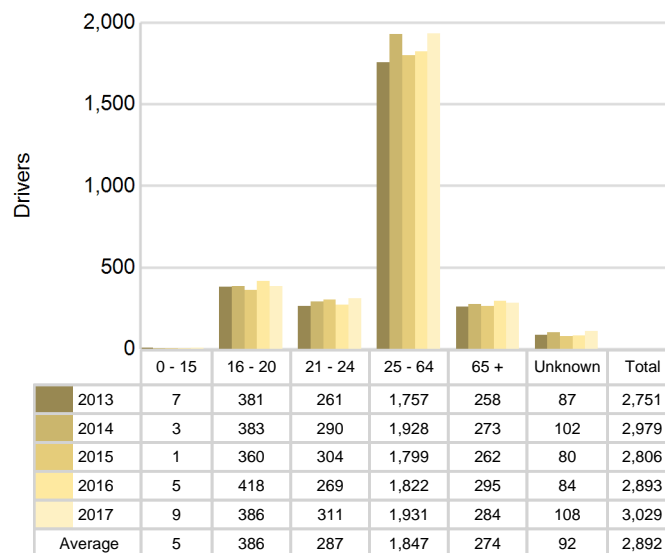
## 2017 - Reported Motor Vehicle Crashes by Municipality

Municipality	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Bath Twp.	198	0	26	172	116	0	10	72	8	0	54	0	35
Bengal Twp.	45	0	6	39	0	0	22	23	3	1	25	0	6
Bingham Twp.	138	0	19	119	0	76	17	45	4	0	72	0	32
Dallas Twp.	47	0	6	41	0	0	22	25	1	0	26	0	11
DeWitt	39	0	1	38	0	0	0	37	0	0	12	0	1
DeWitt Twp.	416	0	34	382	92	71	92	161	7	1	130	0	54
Duplain Twp.	75	0	10	65	0	0	0	75	5	0	48	0	10
Eagle	0	0	0	0	0	0	0	0	0	0	0	0	0
Eagle Twp.	131	1	16	114	60	0	16	55	5	0	50	2	28
East Lansing	32	0	5	27	0	0	0	32	2	0	6	0	6
Elsie	7	0	1	6	0	0	0	7	0	0	0	0	1
Essex Twp.	47	0	2	45	0	0	0	47	1	0	37	0	2
Fowler	12	0	3	9	0	0	9	3	0	0	0	0	6
Grand Ledge	0	0	0	0	0	0	0	0	0	0	0	0	0
Greenbush Twp.	157	0	17	140	0	73	2	81	5	2	85	0	24
Hubbardston	1	0	0	1	0	0	0	1	0	0	1	0	0
Lebanon Twp.	20	0	4	16	0	0	0	20	2	0	11	0	5
Maple Rapids	9	0	2	7	0	0	0	8	0	0	3	0	2
Olive Twp.	180	0	19	161	0	86	46	48	11	5	99	0	26
Ovid	6	0	1	5	0	0	2	4	0	0	0	0	1
Ovid Twp.	86	0	16	70	0	0	25	61	8	1	36	0	23
Riley Twp.	63	0	11	52	0	0	0	63	3	0	41	0	18
St. Johns	123	0	20	103	0	46	23	52	8	1	6	0	25
Victor Twp.	119	0	15	104	0	0	0	119	4	1	71	0	29
Watertown Twp.	247	0	32	215	123	0	0	124	1	1	109	0	44
Westphalia	3	0	0	3	0	0	0	3	0	0	1	0	0
Westphalia Twp.	36	0	5	31	0	0	0	36	0	0	19	0	7
Unknown Community	14	0	3	11	1	0	0	13	0	0	6	0	3
<b>Total</b>	<b>2,251</b>	<b>1</b>	<b>274</b>	<b>1,976</b>	<b>392</b>	<b>352</b>	<b>286</b>	<b>1,215</b>	<b>78</b>	<b>13</b>	<b>948</b>	<b>2</b>	<b>399</b>

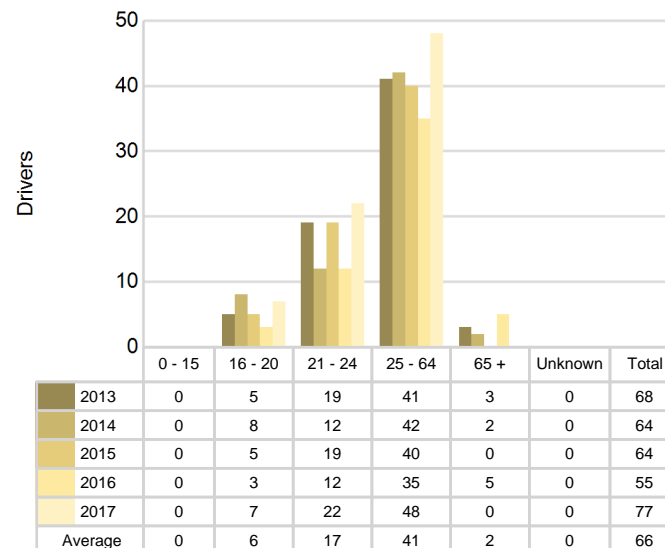
## 5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	7	0	3	0	1	0	5	0	9	0
16 - 20	381	5	383	8	360	5	418	3	386	7
21 - 24	261	19	290	12	304	19	269	12	311	22
25 - 64	1,757	41	1,928	42	1,799	40	1,822	35	1,931	48
65 +	258	3	273	2	262	0	295	5	284	0
Unknown	87	0	102	0	80	0	84	0	108	0
<b>Total</b>	<b>2,751</b>	<b>68</b>	<b>2,979</b>	<b>64</b>	<b>2,806</b>	<b>64</b>	<b>2,893</b>	<b>55</b>	<b>3,029</b>	<b>77</b>

### 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	8	8	6	7	0	1	3	0	3
21 - 24	26	19	19	22	1	4	7	5	5
25 - 64	59	45	38	48	1	3	5	16	23
65 +	2	0	0	0	0	0	0	0	0
Unknown	4	0	0	0	0	0	0	0	0
<b>Total</b>	<b>99</b>	<b>72</b>	<b>63</b>	<b>77</b>	<b>2</b>	<b>8</b>	<b>15</b>	<b>21</b>	<b>31</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 2017, there were 99 drivers in alcohol-involved crashes; 77 (77.8%) of those drivers were coded as had-been-drinking by the officer on the crash form.

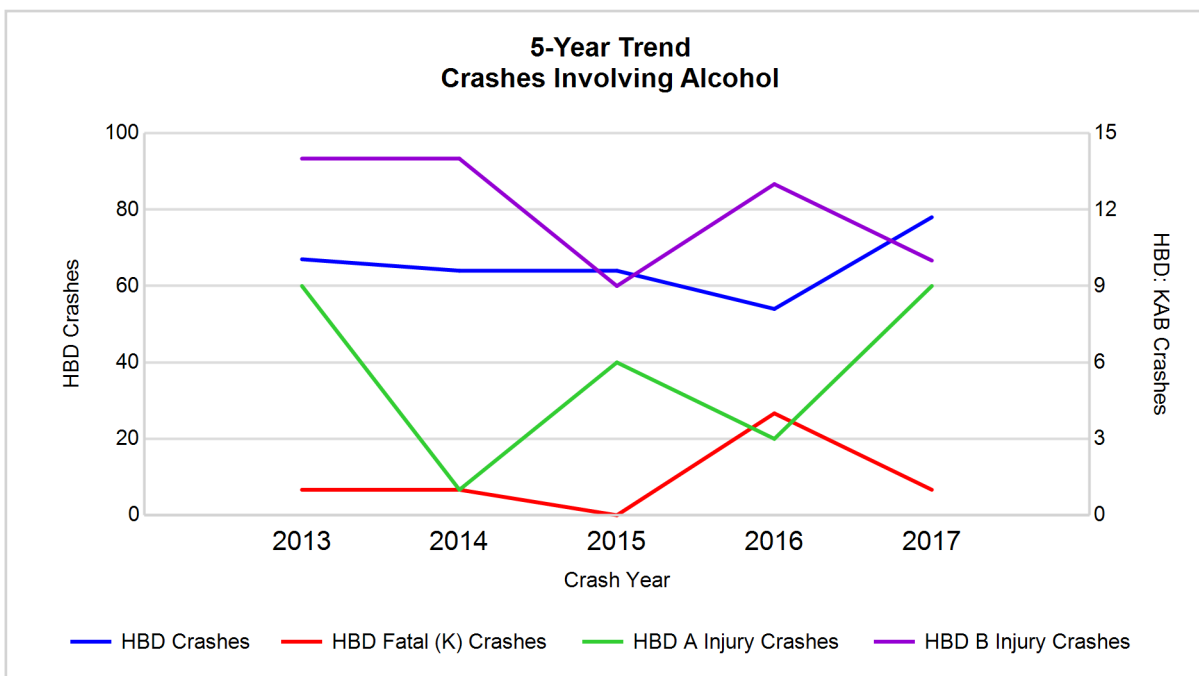
- 36 (46.8%) of the 77 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 21 (58.3%) of the 36 drivers had a BAC at or above 0.17 g/dL.
- 63 (81.8%) of the 77 drivers were coded as had-been-drinking and were tested for alcohol consumption.

**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	2,174	67	3.1	5	1	20.0	40	9	22.5	102	14	13.7
2014	2,250	64	2.8	9	1	11.1	29	1	3.4	108	14	13.0
2015	2,119	64	3.0	5	0	0.0	31	6	19.4	104	9	8.7
2016	2,158	54	2.5	12	4	33.3	43	3	7.0	122	13	10.7
2017	2,251**	78**	3.5**	1*	1	100.0**	41	9	22.0	99*	10	10.1

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



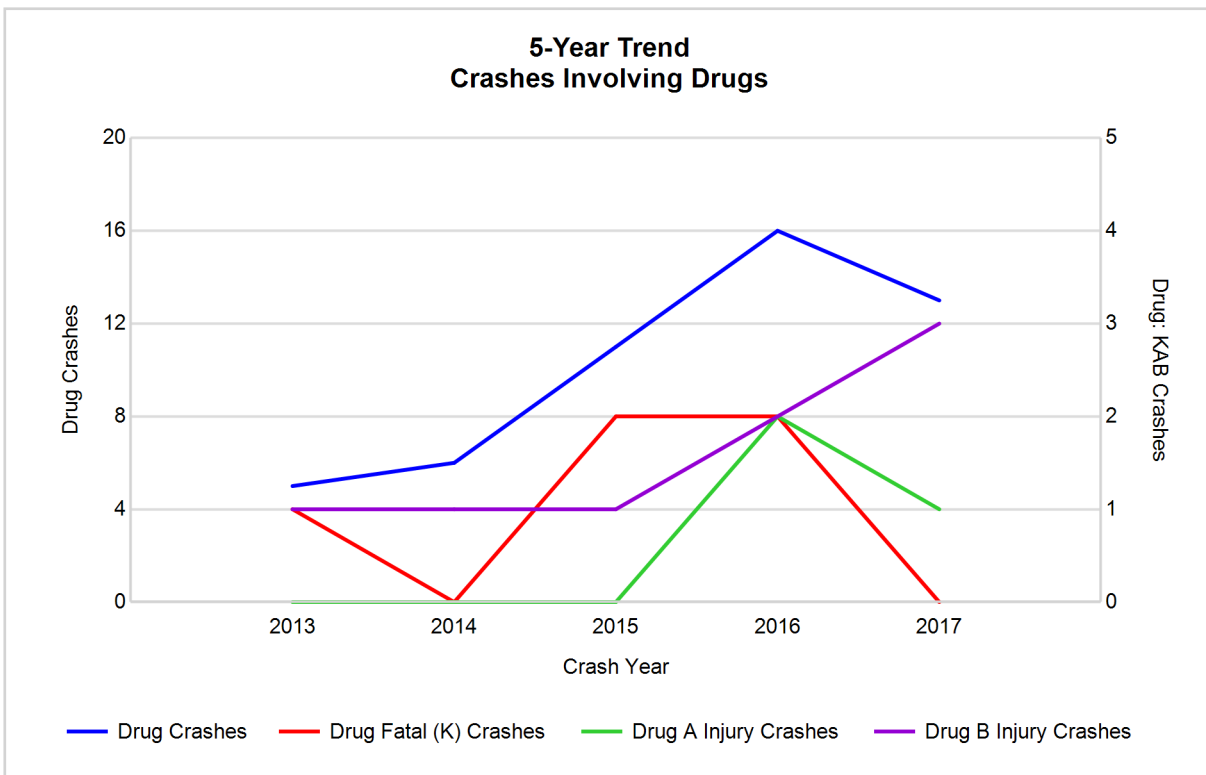
Note: Had-Been-Drinking (HBD)

## 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	2,174	5	0.2	5	1	20.0	40	0	0.0	102	1	1.0
2014	2,250	6	0.3	9	0	0.0	29	0	0.0	108	1	0.9
2015	2,119	11	0.5	5	2	40.0	31	0	0.0	104	1	1.0
2016	2,158	16	0.7	12	2	16.7	43	2	4.7	122	2	1.6
2017	2,251**	13	0.6	1*	0	0.0	41	1	2.4	99*	3**	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

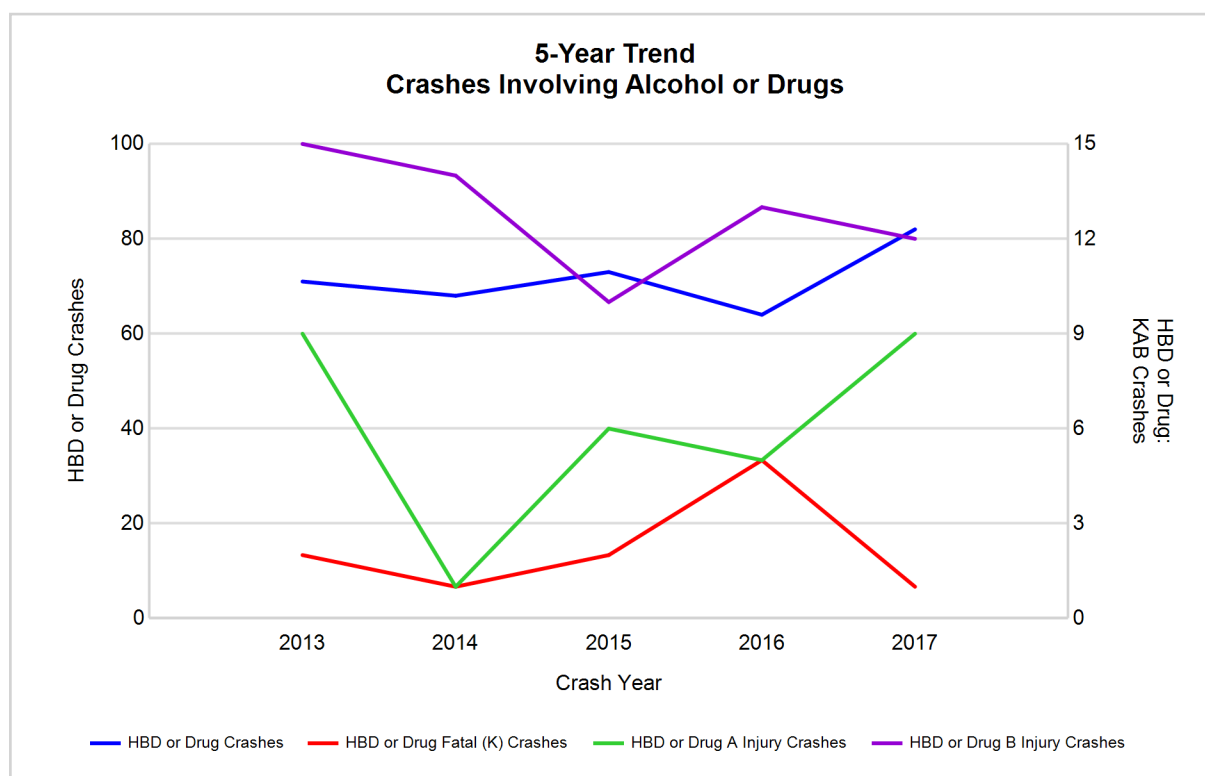


## 5-Year Trend - Crashes Involving Alcohol or Drugs

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	2,174	71	3.3	5	2	40.0	40	9	22.5	102	15	14.7
2014	2,250	68	3.0	9	1	11.1	29	1	3.4	108	14	13.0
2015	2,119	73	3.4	5	2	40.0	31	6	19.4	104	10	9.6
2016	2,158	64	3.0	12	5	41.7	43	5	11.6	122	13	10.7
2017	2,251**	82**	3.6**	1*	1	100.0**	41	9	22.0	99*	12	12.1

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	2,407	2,297	95.4	2	0	0.0	29	28	96.6	105	88	83.8	173	169	97.7	2,031	1,995	98.2
Motor home	34	33	97.1	0	0	0.0	0	0	0.0	3	3	100.0	1	1	100.0	29	29	100.0
Pickup truck	512	465	90.8	0	0	0.0	7	5	71.4	20	16	80.0	20	16	80.0	438	424	96.8
Small truck under 10,000 lbs. GVWR	19	17	89.5	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	16	15	93.8
Motorcycle	20	14	70.0	0	0	0.0	6	3	50.0	8	6	75.0	2	2	100.0	4	3	75.0
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	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	2	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Other	51	49	96.1	0	0	0.0	0	0	0.0	3	3	100.0	2	2	100.0	45	44	97.8
Truck/bus over 10,000 lbs.	66	59	89.4	0	0	0.0	0	0	0.0	2	1	50.0	4	3	75.0	57	55	96.5
Unknown	29	1	3.4	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	3	1	33.3
<b>Total</b>	<b>3,140</b>	<b>2,935</b>	<b>93.5</b>	<b>2</b>	<b>0</b>	<b>0.0</b>	<b>43</b>	<b>36</b>	<b>83.7</b>	<b>142</b>	<b>118</b>	<b>83.1</b>	<b>204</b>	<b>194</b>	<b>95.1</b>	<b>2,624</b>	<b>2,566</b>	<b>97.8</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.

## 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	42	38	90.5	0	0	0.0	3	2	66.7	6	5	83.3	27	25	92.6	6	6	100.0
16 - 20	404	388	96.0	1	0	0.0	5	4	80.0	29	23	79.3	36	34	94.4	331	326	98.5
21 - 24	327	308	94.2	1	0	0.0	3	2	66.7	15	12	80.0	25	23	92.0	280	269	96.1
25 - 64	1,963	1,912	97.4	0	0	0.0	28	24	85.7	75	64	85.3	98	94	95.9	1,745	1,716	98.3
65 +	296	286	96.6	0	0	0.0	4	4	100.0	17	14	82.4	18	18	100.0	253	246	97.2
Unknown	108	3	2.8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	9	3	33.3
<b>Total</b>	<b>3,140</b>	<b>2,935</b>	<b>93.5</b>	<b>2</b>	<b>0</b>	<b>0.0</b>	<b>43</b>	<b>36</b>	<b>83.7</b>	<b>142</b>	<b>118</b>	<b>83.1</b>	<b>204</b>	<b>194</b>	<b>95.1</b>	<b>2,624</b>	<b>2,566</b>	<b>97.8</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	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	5	0	1	8	0	1	6	0	0	4	0	0
Shoulder belt only used	4	0	0	3	0	1	2	0	0	1	0	0	5	0	1
Lap belt only used	3	0	2	6	0	0	4	0	0	3	0	1	3	0	1
Both lap & shoulder belts used	2,551	0	231	2,784	2	270	2,617	0	240	2,712	3	274	2,820	0	244
No belts used	27	3	15	24	3	16	24	2	14	22	0	10	13	0	5
Child restraint used	0	0	0	0	0	0	0	0	0	0	0	0	2	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	1	0	0	0	0	0	0	0	0
Restraint use unknown	57	1	12	46	1	11	41	1	9	39	1	7	101	0	12
Helmet worn	17	0	15	9	0	6	15	0	13	18	2	14	14	0	11
Helmet not worn	7	0	7	4	0	2	14	0	11	11	3	8	8	0	6
Helmet use unknown	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Uncoded & errors	78	0	0	98	0	0	78	0	0	81	0	1	59	0	0
<b>Total</b>	<b>2,751</b>	<b>4</b>	<b>283</b>	<b>2,979</b>	<b>6</b>	<b>307</b>	<b>2,806</b>	<b>3</b>	<b>288</b>	<b>2,893</b>	<b>9</b>	<b>315</b>	<b>3,029</b>	<b>0</b>	<b>280</b>

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

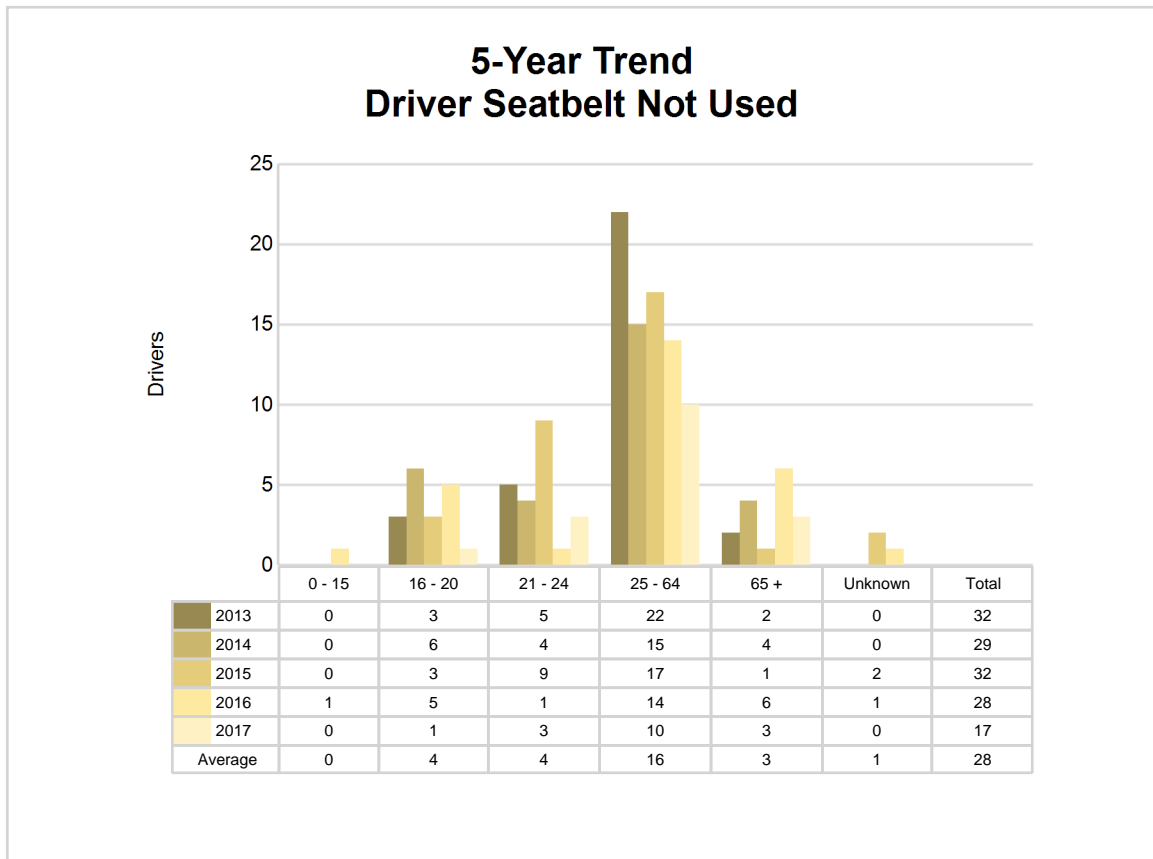
Restraint Use	2013			2014			2015			2016			2017		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shoulder belt 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	45	0	14	43	0	15	37	0	7	42	1	10	53	0	18
No belts used	12	1	8	5	0	4	5	0	3	1	0	1	4	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint use unknown	10	0	4	16	1	7	14	0	4	5	0	1	18	0	6
Helmet worn	0	0	0	0	0	0	2	0	2	2	2	0	1	0	1
Helmet not worn	1	0	1	0	0	0	6	0	4	5	1	4	1	0	1
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>68</b>	<b>1</b>	<b>27</b>	<b>64</b>	<b>1</b>	<b>26</b>	<b>64</b>	<b>0</b>	<b>20</b>	<b>55</b>	<b>4</b>	<b>16</b>	<b>77</b>	<b>0</b>	<b>29</b>



## 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	0	0	0
16 - 20	3	1	0	6	0	5	3	0	2	5	0	4	1	0	0
21 - 24	5	0	3	4	0	2	9	0	6	1	0	0	3	0	1
25 - 64	22	1	13	15	2	8	17	2	7	14	0	4	10	0	4
65 +	2	1	0	4	1	2	1	0	0	6	0	1	3	0	0
Unknown	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0
<b>Total</b>	<b>32</b>	<b>3</b>	<b>16</b>	<b>29</b>	<b>3</b>	<b>17</b>	<b>32</b>	<b>2</b>	<b>15</b>	<b>28</b>	<b>0</b>	<b>10</b>	<b>17</b>	<b>0</b>	<b>5</b>

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

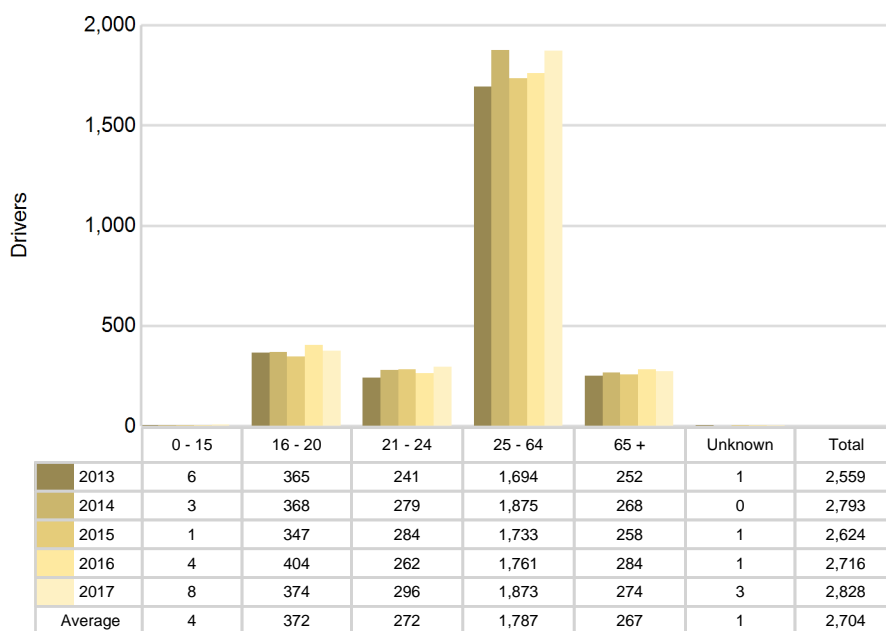


## 5-Year Trend - Seatbelt Used Among Drivers by Age

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	6	0	1	3	0	0	1	0	0	4	0	1	8	0	2
16 - 20	365	0	45	368	0	56	347	0	53	404	1	39	374	0	48
21 - 24	241	0	21	279	0	29	284	0	34	262	1	29	296	0	25
25 - 64	1,694	0	142	1,875	2	158	1,733	0	133	1,761	1	173	1,873	0	147
65 +	252	0	24	268	0	28	258	0	20	284	0	33	274	0	24
Unknown	1	0	0	0	0	0	1	0	0	1	0	0	3	0	0
<b>Total</b>	<b>2,559</b>	<b>0</b>	<b>233</b>	<b>2,793</b>	<b>2</b>	<b>271</b>	<b>2,624</b>	<b>0</b>	<b>240</b>	<b>2,716</b>	<b>3</b>	<b>275</b>	<b>2,828</b>	<b>0</b>	<b>246</b>

Note: Seatbelt Used includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, and restraint failure.

### 5-Year Trend Driver Seatbelt Used



## 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	1,754	4	1,869	1	1,788	6	1,797	10	1,879	1
Speed too fast	277	0	309	3	259	1	265	1	290	0
Speed too slow	2	0	2	0	2	0	1	0	2	0
Failed to yield	169	0	197	0	195	2	233	4	233	0
Disregard traffic control	36	1	29	1	36	0	23	1	26	1
Drove wrong way	0	0	1	0	0	0	1	0	3	0
Drove left of center	8	0	6	0	7	0	14	1	14	0
Improper passing	4	0	13	0	9	0	10	0	9	0
Improper lane use	19	0	24	0	25	0	29	0	31	0
Improper turn	13	0	12	0	10	0	8	0	15	0
Improper/no signal	3	0	0	0	2	0	1	0	1	0
Improper backing	34	0	37	0	38	0	46	0	40	0
Unable to stop in assured clear distance	142	1	188	0	179	0	187	0	205	0
Other	83	0	74	0	60	0	63	0	75	0
Unknown	38	2	42	3	34	1	49	2	36	0
Reckless driving	17	0	12	0	17	0	19	0	22	0
Careless/negligent driving	125	0	147	2	132	0	133	2	124	0
Uncoded & errors	27	0	17	0	13	0	14	0	24	0
<b>Total</b>	<b>2,751</b>	<b>8</b>	<b>2,979</b>	<b>10</b>	<b>2,806</b>	<b>10</b>	<b>2,893</b>	<b>21</b>	<b>3,029</b>	<b>2</b>



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

In 2017, there were 78 alcohol-involved crashes in Clinton County:

- 1 K - Fatal Crash
- 9 A - Suspected Serious Injury Crashes
- 10 B - Suspected Minor Injury Crashes
- 15 C - Possible Injury Crashes
- 43 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](http://MichiganTrafficCrashFacts.org)

