



2014

**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 = Incapacitating Injury

B = Non-incapacitating Injury

C = Possible Injury

O = No Injury

Property Damage Only (PDO)



## Charlevoix County

### 2014 Traffic Crash Data & 2010-2014 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 - Incapacitating (14/14)

## Charlevoix County

In 2014:

There were 1,438 drivers involved in 1,123 motor vehicle crashes in Charlevoix County. Of those crashes, 2 were classified as fatal, resulting in 2 fatalities. An additional 143 persons were injured.

Charlevoix County experienced the highest number of motor vehicle crashes (156) in November, the highest number of fatal crashes (1) and the highest number of persons killed (1) in June and November.

Michigan driver statistics indicate 6.1 percent of licensed drivers in Charlevoix County were age 16-20, and 10.1 percent of drivers in crashes were also in that age group.

## 2014 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	136	0	17	119	0	24
February	78	0	3	75	0	3
March	124	0	3	121	0	5
April	62	0	3	59	0	3
May	48	0	4	44	0	6
June	75	1	13	61	1	17
July	72	0	10	62	0	14
August	67	0	13	54	0	25
September	65	0	5	60	0	5
October	112	0	10	102	0	15
November	156	1	7	148	1	9
December	128	0	10	118	0	17
<b>Total</b>	<b>1,123</b>	<b>2</b>	<b>98</b>	<b>1,023</b>	<b>2</b>	<b>143</b>

## 2014 - Driver Statistics

Age Group	Statewide			Driver Rates	
	2014 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	4,624	146	2	4.3	137.0
16 - 20	1,464	1,289	145	990.4	1,124.9
21 - 24	1,023	1,125	101	987.3	897.8
25 - 64	13,393	13,085	941	702.6	719.1
65 +	5,617	5,520	215	382.8	389.5
Unknown	--	--	34	--	--
<b>Total</b>	<b>26,121</b>	<b>21,165</b>	<b>1,438</b>	<b>550.5</b>	<b>679.4</b>

## 2014 - 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 & station wagon	1,057	73.5	1	50.0	110	946
Van & motorhome	60	4.2	0	0.0	7	53
Pickup truck	249	17.3	1	50.0	23	225
Small truck under 10,000 lbs. GVWR	28	1.9	0	0.0	2	26
Cycle	7	0.5	0	0.0	7	0
Moped	0	0.0	0	0.0	0	0
Go Cart	1	0.1	0	0.0	1	0
Snowmobile	2	0.1	0	0.0	2	0
Off-Road Vehicle (ORV) & All-Terrain Vehicle (ATV)	1	0.1	0	0.0	1	0
Other	6	0.4	0	0.0	1	5
Truck/bus over 10,000 lbs.	23	1.6	0	0.0	1	22
Unknown	4	0.3	0	0.0	0	4
<b>Total</b>	<b>1,438</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>155</b>	<b>1,281</b>

# Charlevoix County (continued)

## 5-Year Trend - Crashes by Month

Month	2010		2011		2012		2013		2014	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	103	0	110	0	116	0	115	0	136	0
February	84	0	57	1	81	0	82	1	78	0
March	57	0	72	0	52	0	65	0	124	0
April	41	0	46	0	39	0	76	0	62	0
May	56	0	55	1	63	0	51	0	48	0
June	79	0	76	0	76	0	84	0	75	1
July	86	0	84	0	86	1	82	0	72	0
August	80	1	76	0	78	0	97	1	67	0
September	76	0	91	0	73	0	70	1	65	0
October	99	1	96	0	97	0	106	0	112	0
November	124	0	130	0	120	0	140	0	156	1
December	130	0	108	0	106	0	136	0	128	0
<b>Total</b>	<b>1,015</b>	<b>2</b>	<b>1,001</b>	<b>2</b>	<b>987</b>	<b>1</b>	<b>1,104</b>	<b>3</b>	<b>1,123</b>	<b>2</b>

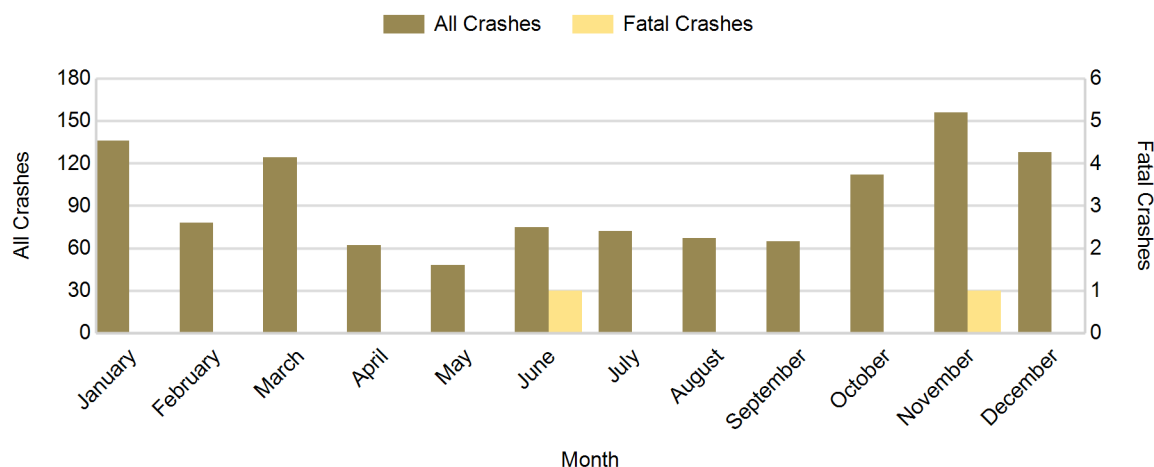
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

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

Day	2010		2011		2012		2013		2014	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	129	0	143	1	154	0	159	0	162	0
Tuesday	151	0	151	0	135	0	155	0	174	0
Wednesday	166	0	132	0	134	0	133	0	177	1
Thursday	155	1	158	1	139	0	177	0	182	0
Friday	190	0	160	0	176	0	176	0	190	1
Saturday	115	1	150	0	136	0	163	1	131	0
Sunday	109	0	107	0	113	1	141	2	107	0
<b>Total</b>	<b>1,015</b>	<b>2</b>	<b>1,001</b>	<b>2</b>	<b>987</b>	<b>1</b>	<b>1,104</b>	<b>3</b>	<b>1,123</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

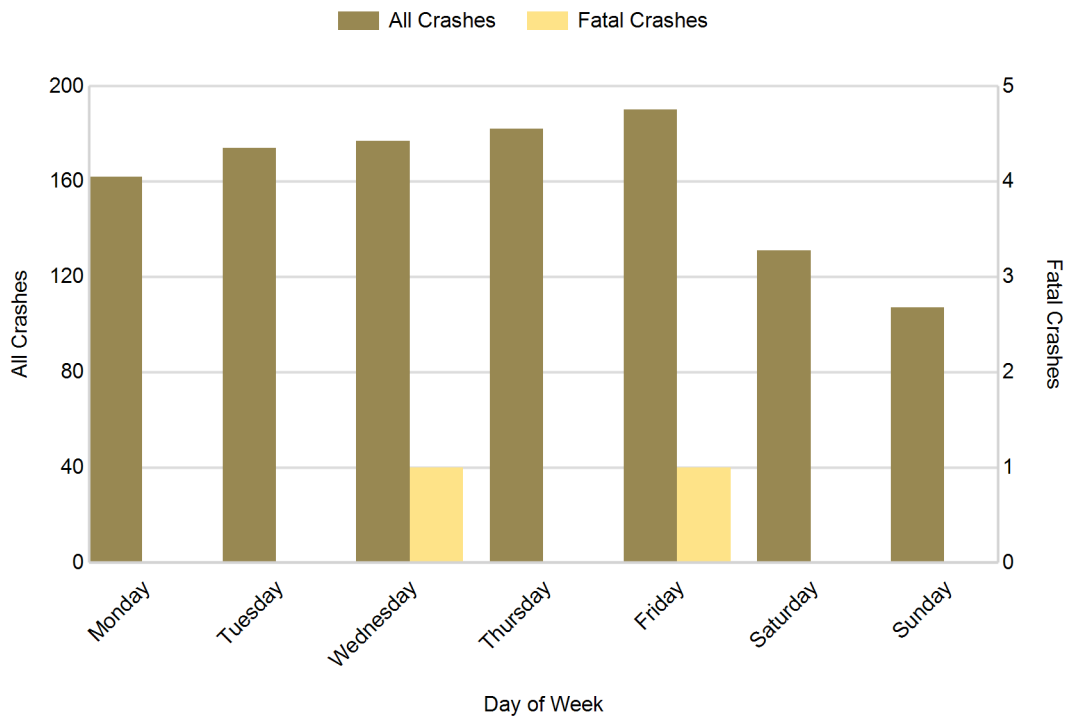
## 2014 Crashes by Month



## 2014 - 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	162	14.4	0	0.0	1	3	6	152
Tuesday	174	15.5	0	0.0	3	3	12	156
Wednesday	177	15.8	1	50.0	3	6	6	161
Thursday	182	16.2	0	0.0	2	6	9	165
Friday	190	16.9	1	50.0	2	3	6	178
Saturday	131	11.7	0	0.0	2	4	9	116
Sunday	107	9.5	0	0.0	1	6	5	95
<b>Total</b>	<b>1,123</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>14</b>	<b>31</b>	<b>53</b>	<b>1,023</b>

## 2014 Day of Week and Severity

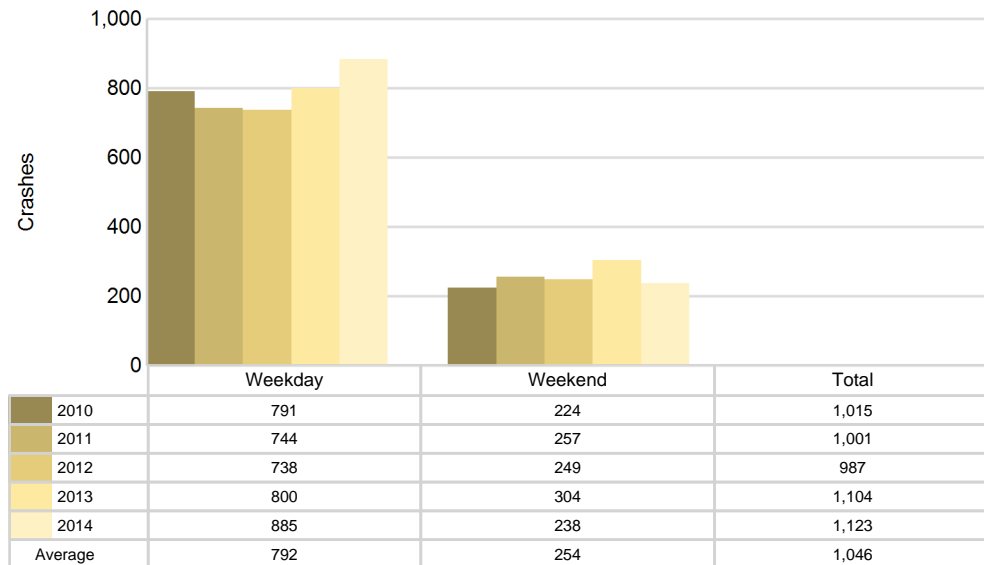


## Charlevoix County (continued)

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

Portion of Week	2010		2011		2012		2013		2014	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	791	1	744	2	738	0	800	0	885	2
Weekend	224	1	257	0	249	1	304	3	238	0
<b>Total</b>	<b>1,015</b>	<b>2</b>	<b>1,001</b>	<b>2</b>	<b>987</b>	<b>1</b>	<b>1,104</b>	<b>3</b>	<b>1,123</b>	<b>2</b>

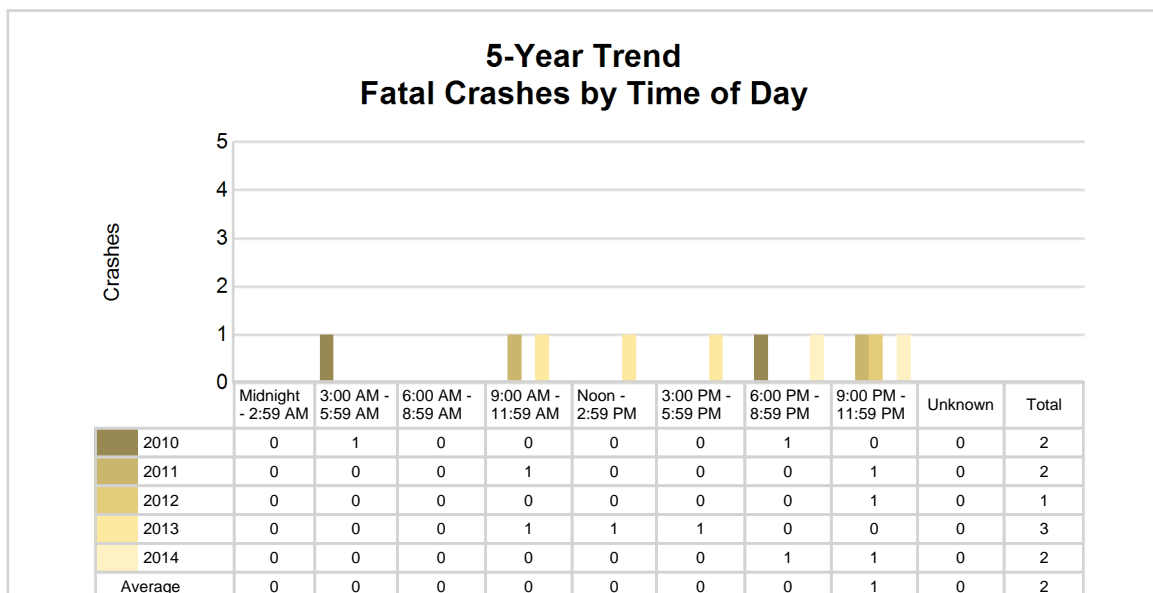
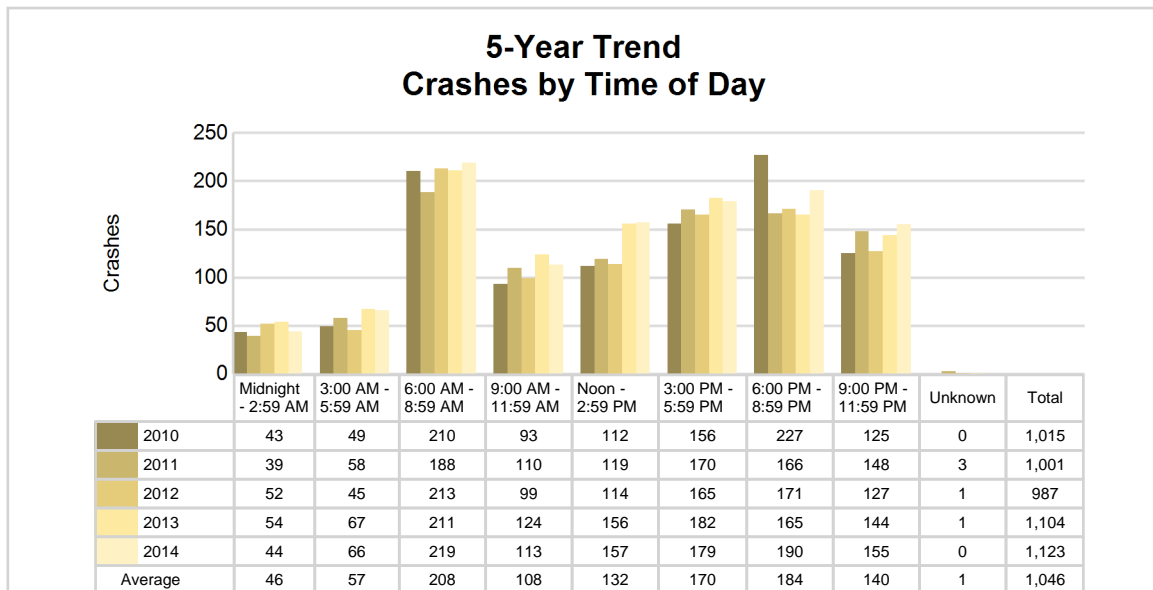
### 5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



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

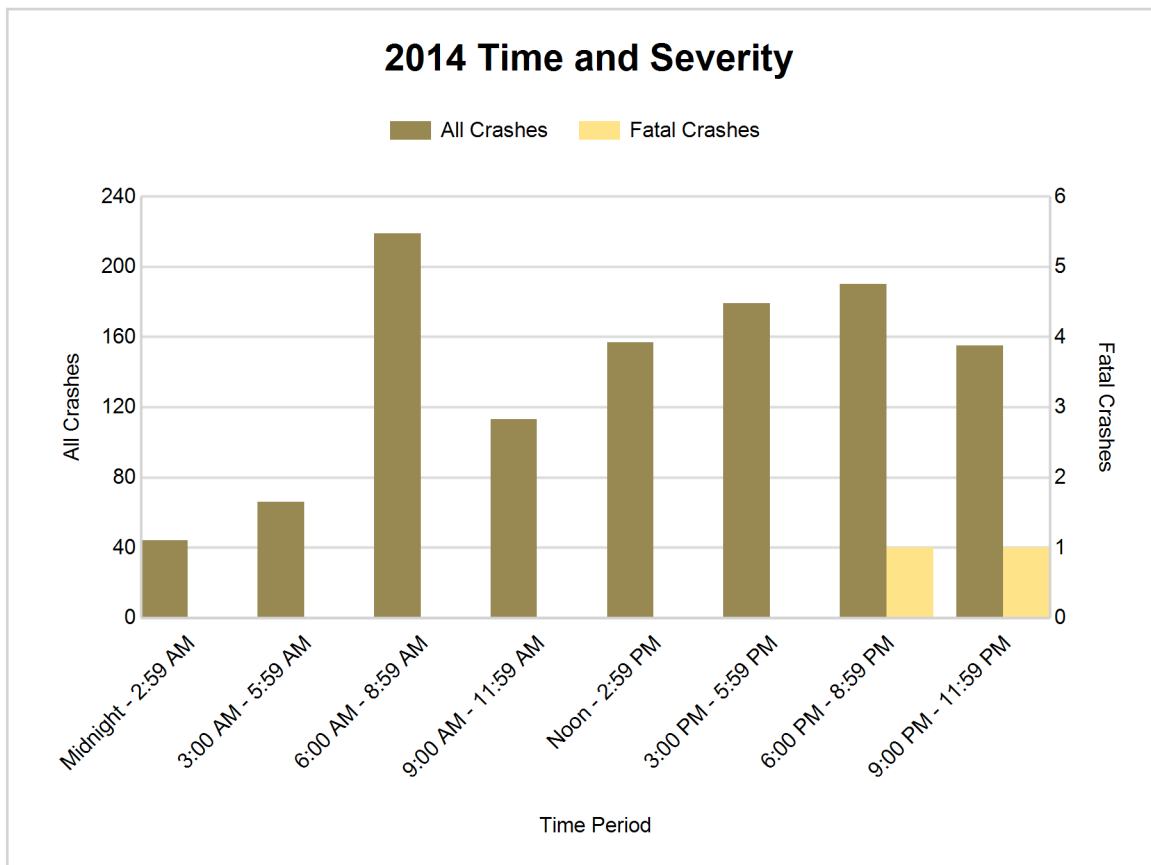
Time of Day	2010		2011		2012		2013		2014	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	43	0	39	0	52	0	54	0	44	0
3:00 AM - 5:59 AM	49	1	58	0	45	0	67	0	66	0
6:00 AM - 8:59 AM	210	0	188	0	213	0	211	0	219	0
9:00 AM - 11:59 AM	93	0	110	1	99	0	124	1	113	0
Noon - 2:59 PM	112	0	119	0	114	0	156	1	157	0
3:00 PM - 5:59 PM	156	0	170	0	165	0	182	1	179	0
6:00 PM - 8:59 PM	227	1	166	0	171	0	165	0	190	1
9:00 PM - 11:59 PM	125	0	148	1	127	1	144	0	155	1
Unknown	0	0	3	0	1	0	1	0	0	0
<b>Total</b>	<b>1,015</b>	<b>2</b>	<b>1,001</b>	<b>2</b>	<b>987</b>	<b>1</b>	<b>1,104</b>	<b>3</b>	<b>1,123</b>	<b>2</b>

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



## 2014 - Time and Severity

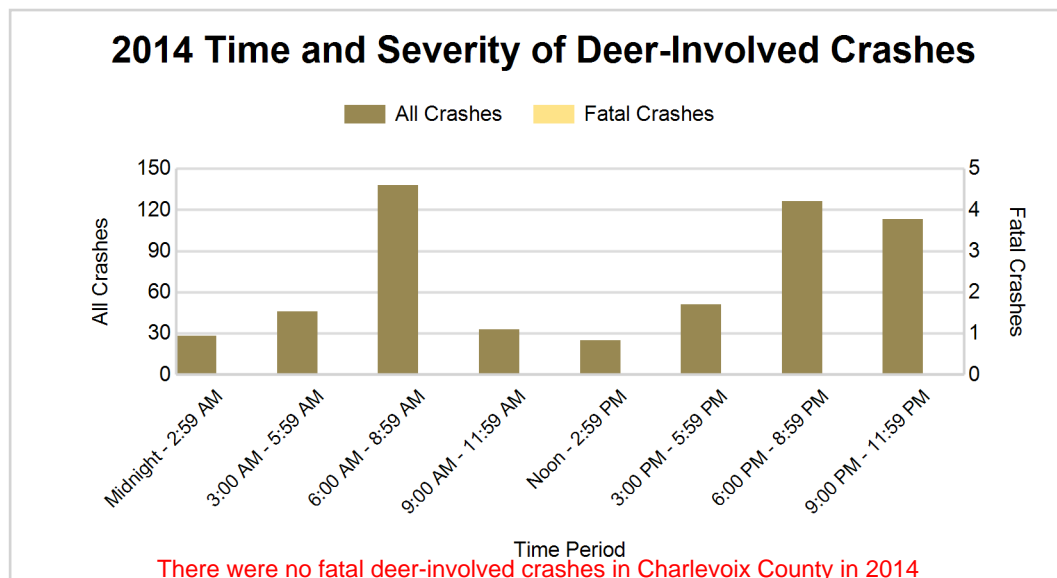
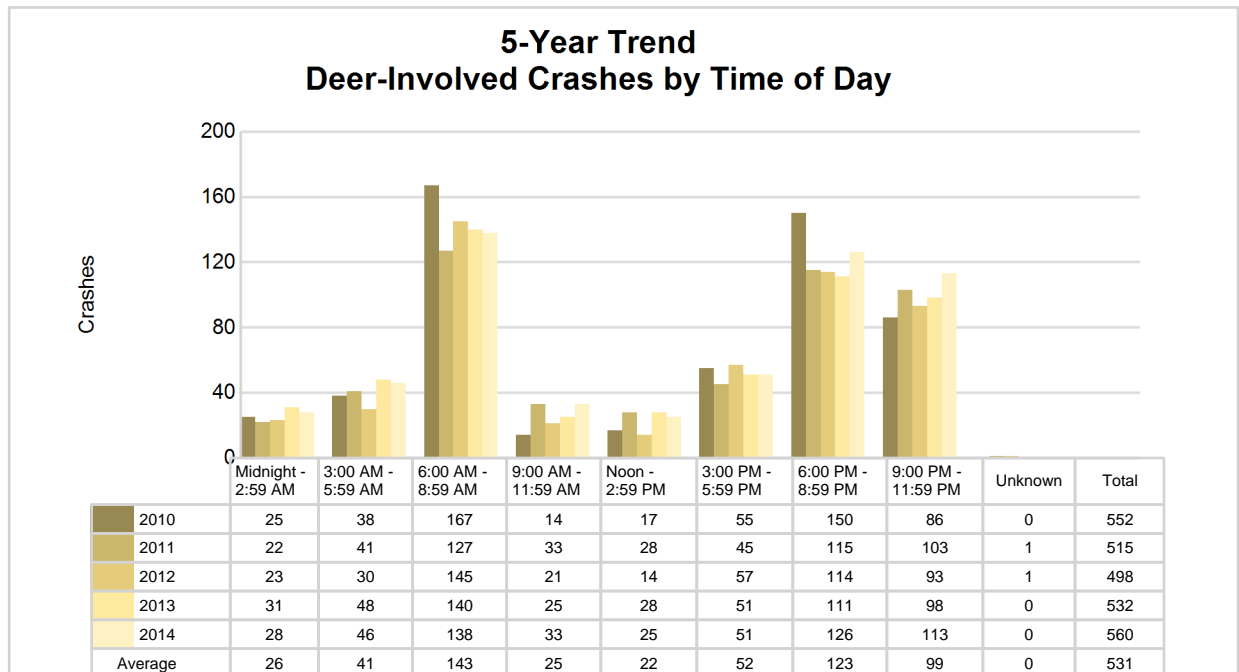
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	44	3.9	0	0.0	1	2	2	39
3:00 AM - 5:59 AM	66	5.9	0	0.0	0	0	0	66
6:00 AM - 8:59 AM	219	19.5	0	0.0	2	3	6	208
9:00 AM - 11:59 AM	113	10.1	0	0.0	3	2	10	98
Noon - 2:59 PM	157	14.0	0	0.0	0	5	19	133
3:00 PM - 5:59 PM	179	15.9	0	0.0	2	8	10	159
6:00 PM - 8:59 PM	190	16.9	1	50.0	2	7	2	178
9:00 PM - 11:59 PM	155	13.8	1	50.0	4	4	4	142
Unknown	0	0.0	0	0.0	0	0	0	0
<b>Total</b>	<b>1,123</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>14</b>	<b>31</b>	<b>53</b>	<b>1,023</b>



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

Time of Day	2010		2011		2012		2013		2014	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	25	0	22	0	23	0	31	0	28	0
3:00 AM - 5:59 AM	38	0	41	0	30	0	48	0	46	0
6:00 AM - 8:59 AM	167 †	0	127 †	0	145 †	0	140 †	0	138 †	0
9:00 AM - 11:59 AM	14	0	33	0	21	0	25	0	33	0
Noon - 2:59 PM	17	0	28	0	14	0	28	0	25	0
3:00 PM - 5:59 PM	55	0	45	0	57	0	51	0	51	0
6:00 PM - 8:59 PM	150	0	115	0	114	0	111	0	126	0
9:00 PM - 11:59 PM	86	0	103	0	93	0	98	0	113	0
Unknown	0	0	1	0	1	0	0	0	0	0
<b>Total</b>	<b>552</b>	<b>0</b>	<b>515</b>	<b>0</b>	<b>498</b>	<b>0</b>	<b>532</b>	<b>0</b>	<b>560</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



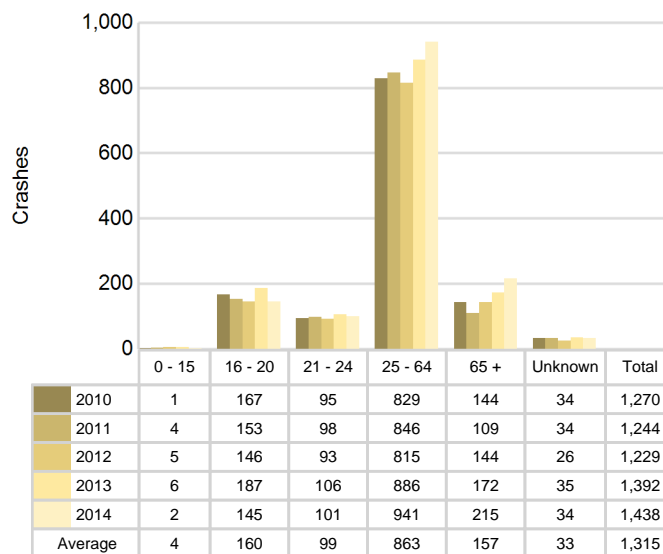
## 2014 - Reported Motor Vehicle Crashes by Municipality

Municipality	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Bay Twp.	24	0	3	21	0	0	0	24	0	0	14	0	4
Boyne City	90	0	8	82	0	0	29	61	2	0	18	0	14
Boyne Falls	11	0	0	11	0	6	4	1	0	0	1	0	0
Boyne Valley Twp.	100	0	7	93	0	57	12	31	1	0	71	0	13
Chandler Twp.	8	0	2	6	0	0	0	8	0	0	3	0	2
Charlevoix	104	0	15	89	0	76	1	27	2	0	11	0	18
Charlevoix Twp.	31	0	4	27	0	20	4	7	0	0	15	0	7
East Jordan	47	0	6	41	0	0	20	27	2	1	10	0	7
Evangeline Twp.	38	0	2	36	0	0	9	29	2	0	24	0	3
Eveline Twp.	89	0	3	86	0	0	48	41	1	0	63	0	3
Hayes Twp.	93	0	7	86	0	40	0	53	0	0	60	0	14
Hudson Twp.	50	1	4	45	0	0	0	50	1	0	28	1	8
Marion Twp.	76	0	8	68	0	2	14	60	8	0	44	0	10
Melrose Twp.	88	0	9	79	0	42	13	33	1	0	34	0	9
Norwood Twp.	68	1	1	66	0	64	0	4	0	0	59	1	2
Peaine Twp.	6	0	2	4	0	0	0	6	0	0	0	0	2
St. James Twp.	6	0	1	5	0	0	0	6	1	0	0	0	1
South Arm Twp.	85	0	5	80	0	0	29	56	1	0	51	0	10
Wilson Twp.	109	0	11	98	0	0	9	100	5	0	54	0	16
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1,123</b>	<b>2</b>	<b>98</b>	<b>1,023</b>	<b>0</b>	<b>307</b>	<b>192</b>	<b>624</b>	<b>27</b>	<b>1</b>	<b>560</b>	<b>2</b>	<b>143</b>

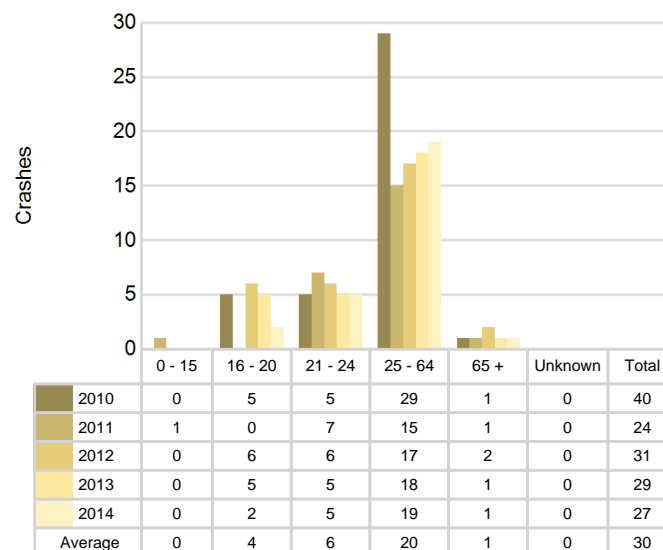
## 5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2010		2011		2012		2013		2014	
	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking
0 - 15	1	0	4	1	5	0	6	0	2	0
16 - 20	167	5	153	0	146	6	187	5	145	2
21 - 24	95	5	98	7	93	6	106	5	101	5
25 - 64	829	29	846	15	815	17	886	18	941	19
65 +	144	1	109	1	144	2	172	1	215	1
Unknown	34	0	34	0	26	0	35	0	34	0
<b>Total</b>	<b>1,270</b>	<b>40</b>	<b>1,244</b>	<b>24</b>	<b>1,229</b>	<b>31</b>	<b>1,392</b>	<b>29</b>	<b>1,438</b>	<b>27</b>

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



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



**2014 - 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	3	4	1	2	0	0	0	1	1
21 - 24	5	5	4	5	0	0	1	3	1
25 - 64	21	22	15	19	0	6	2	5	6
65 +	1	1	1	1	0	0	1	0	0
Unknown	1	0	0	0	0	0	0	0	0
<b>Total</b>	<b>31</b>	<b>32</b>	<b>21</b>	<b>27</b>	<b>0</b>	<b>6</b>	<b>4</b>	<b>9</b>	<b>8</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 2014, there were 31 drivers in alcohol-involved crashes; 27 (87.1%) of those drivers were coded as had-been-drinking by the officer on the crash form.

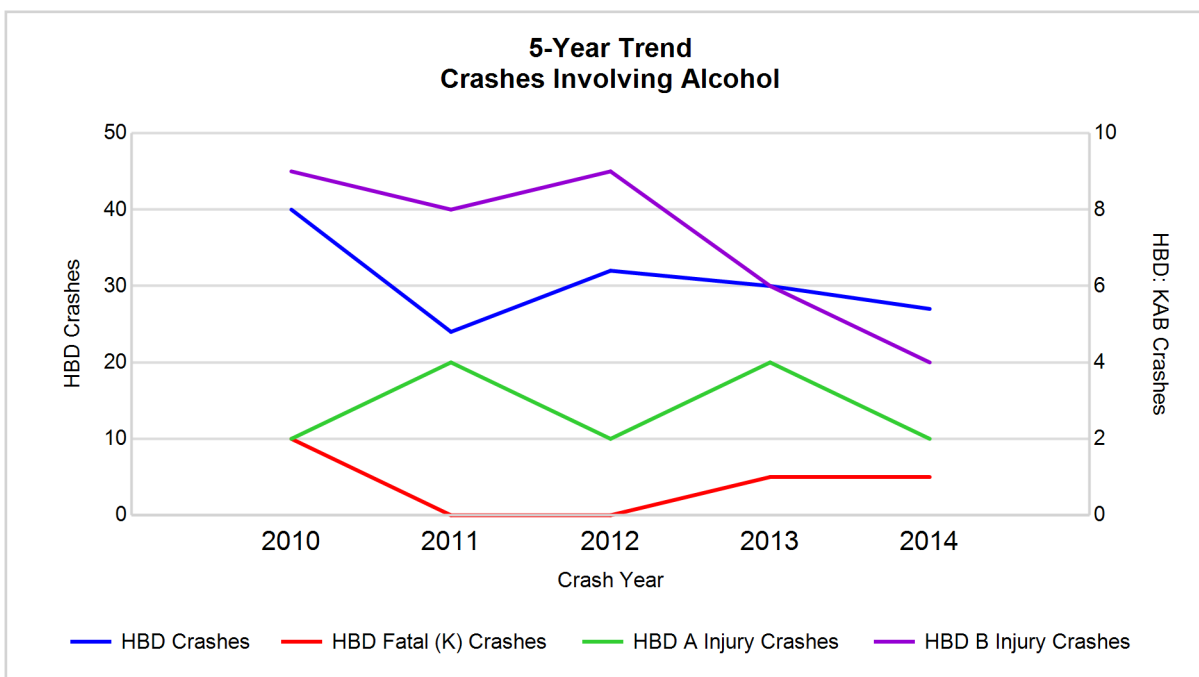
- 13 (48.1%) of the 27 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 9 (69.2%) of the 13 drivers had a BAC at or above 0.17 g/dL.
- 21 (77.8%) of the 27 drivers were coded as had-been-drinking and were tested for alcohol consumption.

**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
2010	1,015	40	3.9	2	2	100.0	14	2	14.3	45	9	20.0
2011	1,001	24	2.4	2	0	0.0	28	4	14.3	58	8	13.8
2012	987	32	3.2	1	0	0.0	15	2	13.3	58	9	15.5
2013	1,104	30	2.7	3	1	33.3	14	4	28.6	62	6	9.7
2014	1,123**	27	2.4	2	1	50.0	14	2	14.3	31*	4*	12.9

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



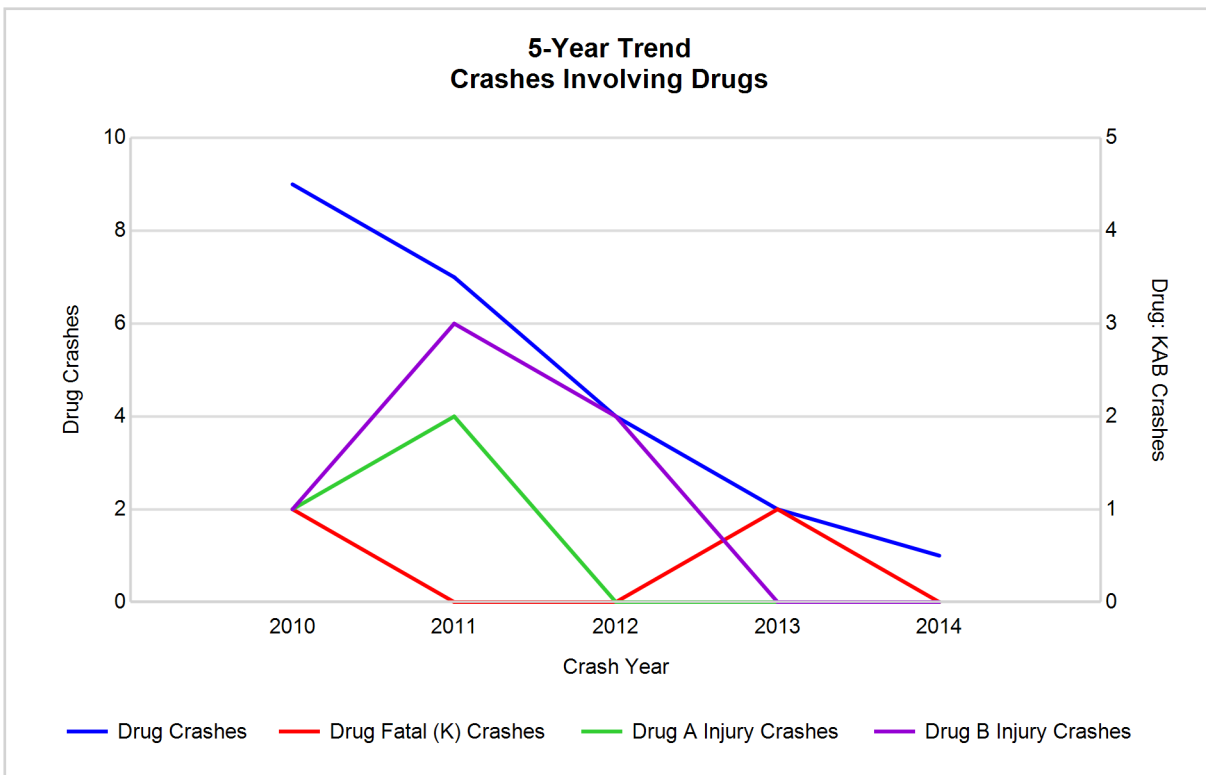
Note: Had-Been-Drinking (HBD)

## 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
2010	1,015	9	0.9	2	1	50.0	14	1	7.1	45	1	2.2
2011	1,001	7	0.7	2	0	0.0	28	2	7.1	58	3	5.2
2012	987	4	0.4	1	0	0.0	15	0	0.0	58	2	3.4
2013	1,104	2	0.2	3	1	33.3	14	0	0.0	62	0	0.0
2014	1,123**	1*	0.1*	2	0	0.0	14	0	0.0	31*	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

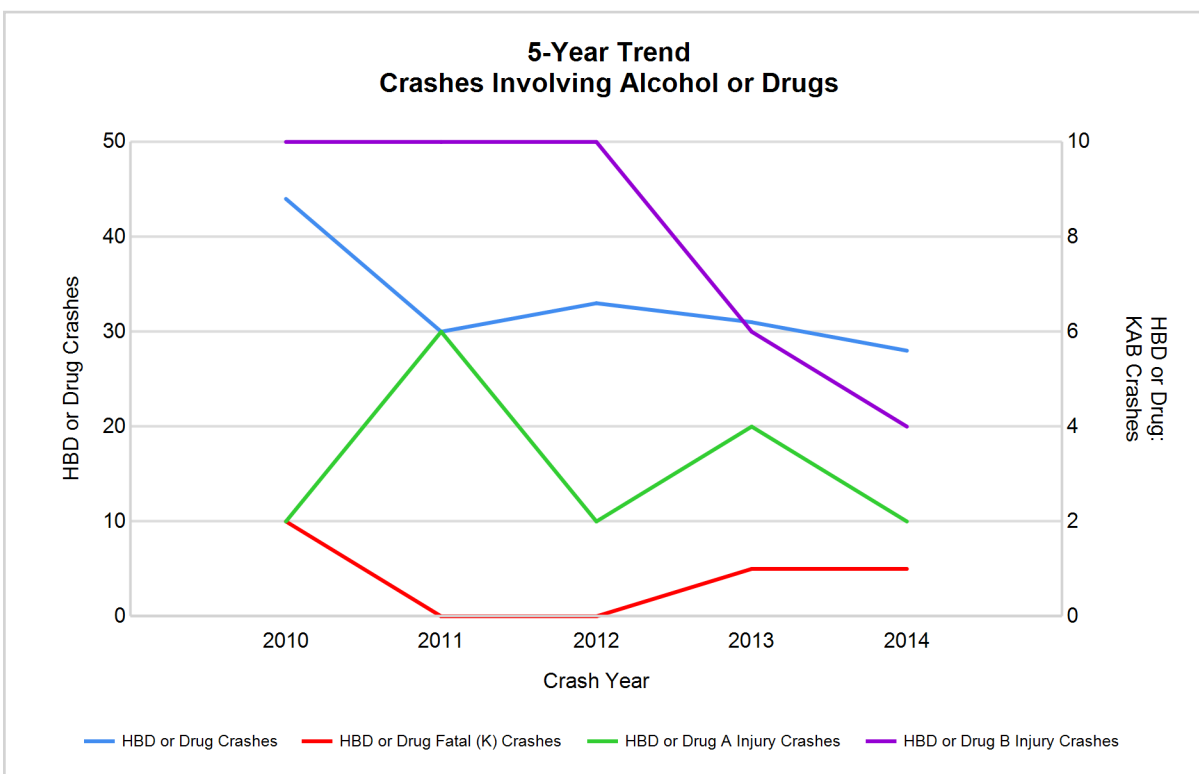


## 5-Year Trend - Crashes Involving Alcohol or Drugs

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
2010	1,015	44	4.3	2	2	100.0	14	2	14.3	45	10	22.2
2011	1,001	30	3.0	2	0	0.0	28	6	21.4	58	10	17.2
2012	987	33	3.3	1	0	0.0	15	2	13.3	58	10	17.2
2013	1,104	31	2.8	3	1	33.3	14	4	28.6	62	6	9.7
2014	1,123**	28*	2.5*	2	1	50.0	14	2	14.3	31*	4*	12.9

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



Note: Had-Been-Drinking (HBD)

## 2014 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Vehicle Type

Vehicle Type	Total Occupants			Fatalities			A - Incapacitating			B - Non-incapacitating			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 & station wagon	1,089	1,038	95.3	1	0	0.0	9	7	77.8	34	32	94.1	64	61	95.3	957	938	98.0
Van & motorhome	60	58	96.7	0	0	0.0	0	0	0.0	2	1	50.0	4	4	100.0	53	53	100.0
Pickup truck	251	238	94.8	1	0	0.0	1	0	0.0	3	3	100.0	11	10	90.9	231	224	97.0
Small truck under 10,000 lbs. GVWR	28	27	96.4	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	27	26	96.3
Cycle	8	5	62.5	0	0	0.0	3	1	33.3	3	3	100.0	2	1	50.0	0	0	0.0
Moped	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	2	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Snowmobile	2	2	100.0	0	0	0.0	1	1	100.0	1	1	100.0	0	0	0.0	0	0	0.0
Off-Road Vehicle (ORV) & All-Terrain Vehicle (ATV)	2	1	50.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	1	1	100.0
Other	6	3	50.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	5	2	40.0
Truck/bus over 10,000 lbs.	23	23	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	23	23	100.0
Unknown	4	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>1,475</b>	<b>1,395</b>	<b>94.6</b>	<b>2</b>	<b>0</b>	<b>0.0</b>	<b>15</b>	<b>9</b>	<b>60.0</b>	<b>44</b>	<b>40</b>	<b>90.9</b>	<b>83</b>	<b>78</b>	<b>94.0</b>	<b>1,298</b>	<b>1,267</b>	<b>97.6</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.

## 2014 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Age

Age Group	Total Occupants			Fatalities			A - Incapacitating			B - Non-incapacitating			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	18	15	83.3	0	0	0.0	1	0	0.0	5	4	80.0	10	10	100.0	2	1	50.0
16 - 20	150	146	97.3	0	0	0.0	2	2	100.0	8	7	87.5	9	9	100.0	131	128	97.7
21 - 24	102	98	96.1	0	0	0.0	2	0	0.0	4	4	100.0	4	3	75.0	91	90	98.9
25 - 64	952	923	97.0	1	0	0.0	10	7	70.0	23	21	91.3	45	41	91.1	873	854	97.8
65 +	219	213	97.3	1	0	0.0	0	0	0.0	4	4	100.0	15	15	100.0	199	194	97.5
Unknown	34	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0
<b>Total</b>	<b>1,475</b>	<b>1,395</b>	<b>94.6</b>	<b>2</b>	<b>0</b>	<b>0.0</b>	<b>15</b>	<b>9</b>	<b>60.0</b>	<b>44</b>	<b>40</b>	<b>90.9</b>	<b>83</b>	<b>78</b>	<b>94.0</b>	<b>1,298</b>	<b>1,267</b>	<b>97.6</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	2010			2011			2012			2013			2014		
	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	8	0	2	4	0	1	6	0	0	7	0	0
Shoulder belt only used	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Lap belt only used	2	0	0	0	0	0	2	0	0	1	0	1	0	0	0
Both lap & shoulder belts used	1,180	0	95	1,138	0	108	1,150	0	103	1,300	0	109	1,357	0	90
No belts used	9	0	4	13	1	4	16	0	13	11	1	5	10	1	2
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	14	1	3	23	0	3	11	0	2	18	0	3	17	0	5
Helmet worn	24	1	12	24	0	22	19	0	16	14	0	12	7	0	6
Helmet not worn	2	0	2	1	0	1	1	0	1	3	0	3	3	0	3
Helmet use unknown	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Uncoded & errors	36	0	0	37	0	1	26	0	0	38	0	0	36	0	0
<b>Total</b>	<b>1,270</b>	<b>2</b>	<b>116</b>	<b>1,244</b>	<b>1</b>	<b>141</b>	<b>1,229</b>	<b>0</b>	<b>136</b>	<b>1,392</b>	<b>1</b>	<b>133</b>	<b>1,438</b>	<b>1</b>	<b>106</b>

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

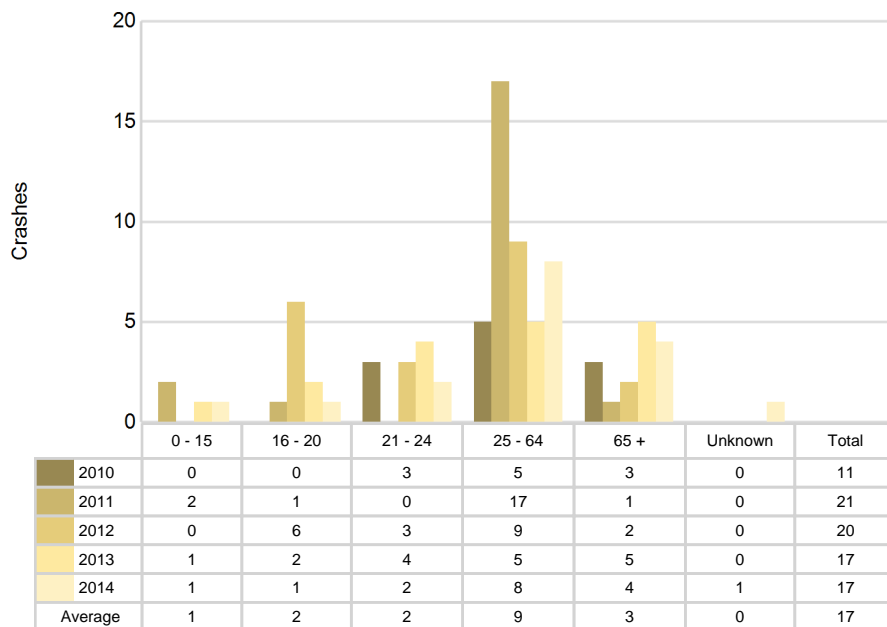
Restraint Use	2010			2011			2012			2013			2014		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shoulder belt 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	25	0	7	11	0	2	24	0	8	17	0	6	13	0	3
No belts used	5	0	2	4	0	3	3	0	3	4	1	2	3	1	2
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	8	1	1	5	0	1	2	0	2	6	0	2	7	0	1
Helmet worn	2	1	1	3	0	3	1	0	1	1	0	1	1	0	1
Helmet not worn	0	0	0	0	0	0	1	0	1	1	0	1	2	0	2
Helmet use unknown	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Uncoded & errors	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>40</b>	<b>2</b>	<b>11</b>	<b>24</b>	<b>0</b>	<b>10</b>	<b>31</b>	<b>0</b>	<b>15</b>	<b>29</b>	<b>1</b>	<b>12</b>	<b>27</b>	<b>1</b>	<b>9</b>

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

Age Group	2010			2011			2012			2013			2014		
	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	2	0	1	0	0	0	1	0	1	1	0	0
16 - 20	0	0	0	1	0	0	6	0	3	2	0	2	1	0	0
21 - 24	3	0	1	0	0	0	3	0	3	4	1	1	2	0	2
25 - 64	5	0	2	17	1	5	9	0	7	5	0	1	8	1	0
65 +	3	0	1	1	0	0	2	0	1	5	0	0	4	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<b>Total</b>	<b>11</b>	<b>0</b>	<b>4</b>	<b>21</b>	<b>1</b>	<b>6</b>	<b>20</b>	<b>0</b>	<b>14</b>	<b>17</b>	<b>1</b>	<b>5</b>	<b>17</b>	<b>1</b>	<b>2</b>

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

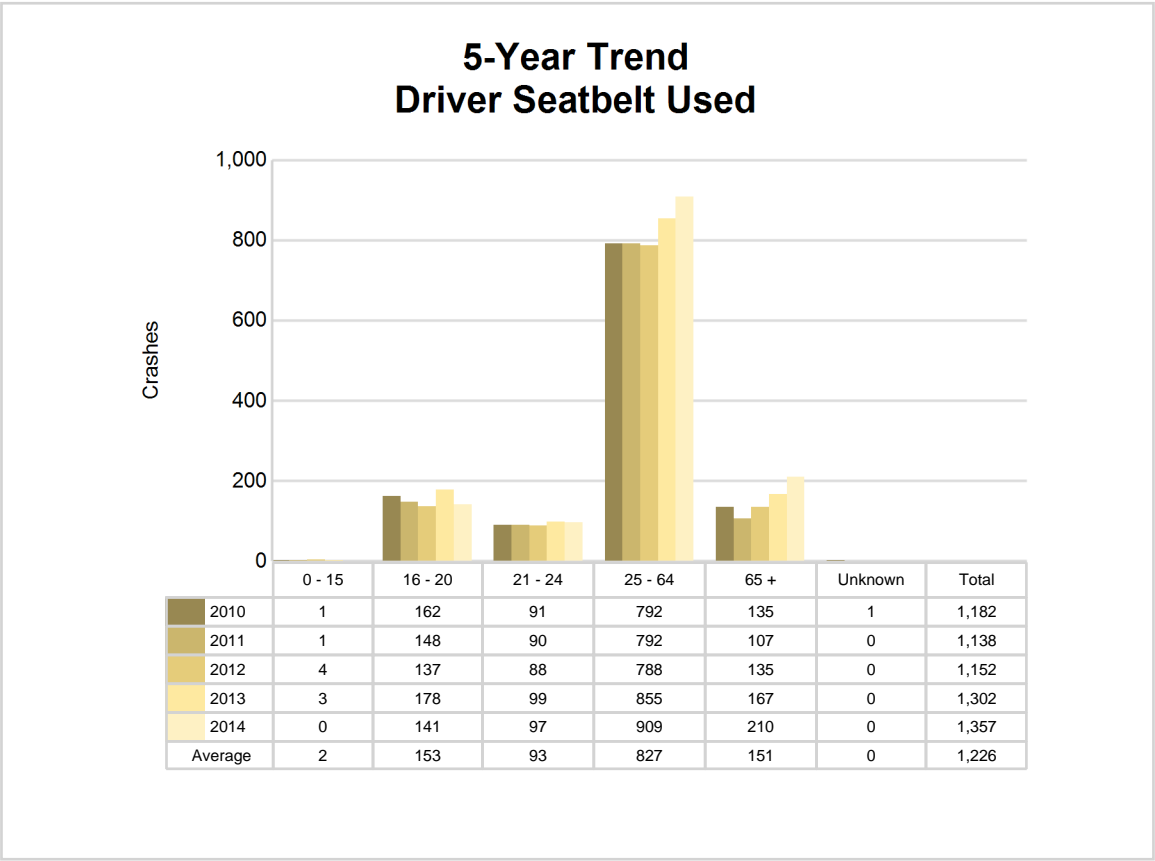
## 5-Year Trend Driver Seatbelt Not Used

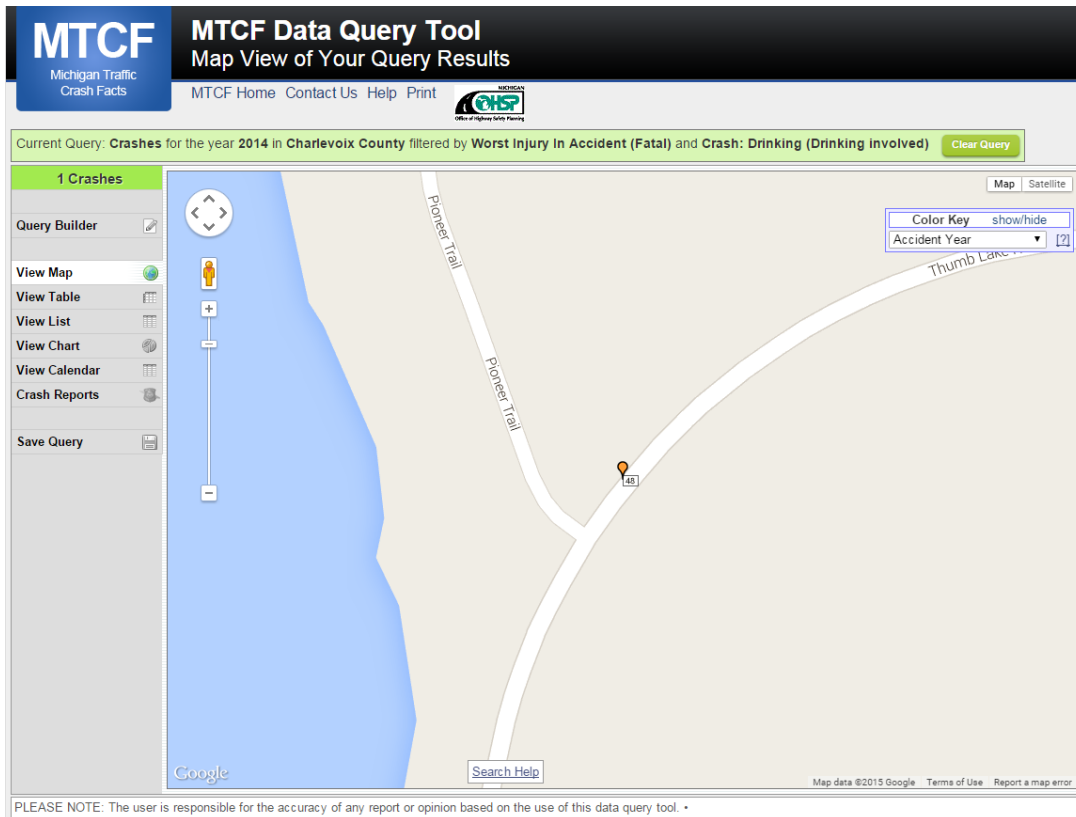


5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2010			2011			2012			2013			2014		
	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	4	0	1	3	0	0	0	0	0
16 - 20	162	0	19	148	0	27	137	0	16	178	0	21	141	0	13
21 - 24	91	0	4	90	0	9	88	0	9	99	0	14	97	0	6
25 - 64	792	0	59	792	0	61	788	0	62	855	0	57	909	0	55
65 +	135	0	13	107	0	11	135	0	15	167	0	18	210	0	16
Unknown	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,182	0	95	1,138	0	108	1,152	0	103	1,302	0	110	1,357	0	90

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





The picture above represents all 2014 alcohol-involved fatal crashes in Charlevoix County.

In 2014, there were 27 alcohol-involved crashes in Charlevoix County:

- 1 K - Fatal Crashes
- 2 A - Incapacitating Injury Crashes
- 4 B - Non-incapacitating Injury Crashes
- 5 C - Possible Injury Crashes
- 15 O - Property Damage Only/No Injury Crashes

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