



2020

**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)

## Cass County

### 2020 Traffic Crash Data & 2016-2020 5-Year Trends

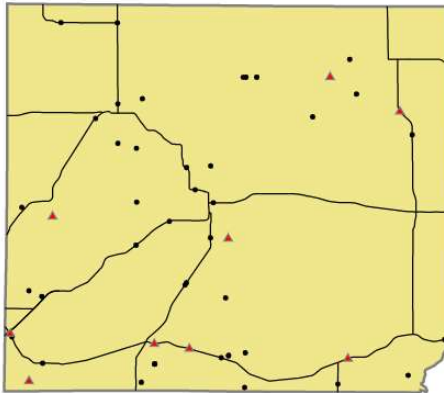


### Sources:

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 (9/9)
- A - Suspected Serious (41/41)

## Cass County

In 2020:

There were 1,856 drivers involved in 1,439 motor vehicle crashes in Cass County. Of those crashes, 9 were classified as fatal, resulting in 10 fatalities. An additional 337 persons were injured.

Cass County experienced the highest number of motor vehicle crashes (176) in November, the highest number of fatal crashes (3) in August, and the highest number of persons killed (3) in August and November.

Michigan driver statistics indicate 5.6 percent of licensed drivers in Cass County were age 16-20, and 10.0 percent of drivers in crashes were also in that age group.

## 2020 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	149	0	21	128	0	28
February	171	0	30	141	0	42
March	76	0	10	66	0	13
April	65	0	13	52	0	17
May	95	1	18	76	1	27
June	125	2	24	99	2	34
July	93	0	27	66	0	39
August	113	3	22	88	3	35
September	105	1	23	81	1	40
October	149	0	18	131	0	25
November	176	2	16	158	3	20
December	122	0	12	110	0	17
<b>Total</b>	<b>1,439</b>	<b>9</b>	<b>234</b>	<b>1,196</b>	<b>10</b>	<b>337</b>

## 2020 - Driver Statistics

Age Group	Cass County			Driver Rates	
	2019 Population*	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	9,374	160	0	0.0	0.0
16 - 20	3,023	2,095	186	615.3	887.8
21 - 24	2,261	1,836	173	765.1	942.3
25 - 64	25,980	23,202	1,218	468.8	525.0
65 +	11,149	10,022	208	186.6	207.5
Unknown	0	0	71	--	--
<b>Total</b>	<b>51,787</b>	<b>37,315</b>	<b>1,856</b>	<b>358.4</b>	<b>497.4</b>

\*2020 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## 2020 - 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	1,370	73.8	9	75.0	281	1,080
Motor home	2	0.1	0	0.0	0	2
Pickup truck	364	19.6	2	16.7	52	310
Small truck under 10,000 lbs. GVWR	6	0.3	0	0.0	0	6
Motorcycle	26	1.4	1	8.3	18	7
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	0	0.0	0	0.0	0	0
Other	3	0.2	0	0.0	0	3
Truck/bus over 10,000 lbs.	59	3.2	0	0.0	7	52
Unknown	26	1.4	0	0.0	2	24
<b>Total</b>	<b>1,856</b>	<b>100.0</b>	<b>12</b>	<b>100.0</b>	<b>360</b>	<b>1,484</b>

## 5-Year Trend - Crashes by Month

Month	2016		2017		2018		2019		2020	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	176	0	137	2	141	1	201	2	149	0
February	149	0	74	2	123	0	135	2	171	0
March	98	2	100	0	115	0	95	0	76	0
April	89	3	90	0	105	2	91	0	65	0
May	101	1	110	0	93	0	81	0	95	1
June	102	0	120	1	103	1	91	0	125	2
July	98	0	91	1	112	1	139	2	93	0
August	86	1	106	1	96	0	94	0	113	3
September	83	0	96	1	120	2	119	1	105	1
October	105	0	135	0	148	1	156	0	149	0
November	148	0	145	3	227	0	208	1	176	2
December	172	2	227	2	134	0	146	0	122	0
<b>Total</b>	<b>1,407</b>	<b>9</b>	<b>1,431</b>	<b>13</b>	<b>1,517</b>	<b>8</b>	<b>1,556</b>	<b>8</b>	<b>1,439</b>	<b>9</b>

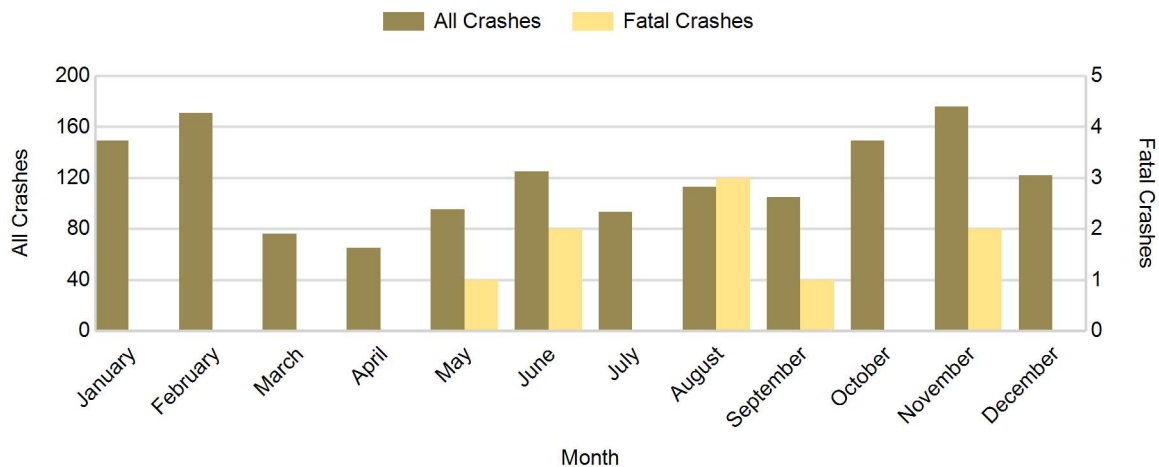
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

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

Day	2016		2017		2018		2019		2020	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	195	1	196	1	248	3	235	2	210	3
Tuesday	210	2	218	1	195	0	265	1	195	0
Wednesday	190	0	199	3	228	0	244	0	245	2
Thursday	229	3	216	0	234	2	234	0	183	1
Friday	201	1	242	3	252	2	232	2	247	0
Saturday	205	1	187	2	200	0	168	2	211	2
Sunday	177	1	173	3	160	1	178	1	148	1
<b>Total</b>	<b>1,407</b>	<b>9</b>	<b>1,431</b>	<b>13</b>	<b>1,517</b>	<b>8</b>	<b>1,556</b>	<b>8</b>	<b>1,439</b>	<b>9</b>

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

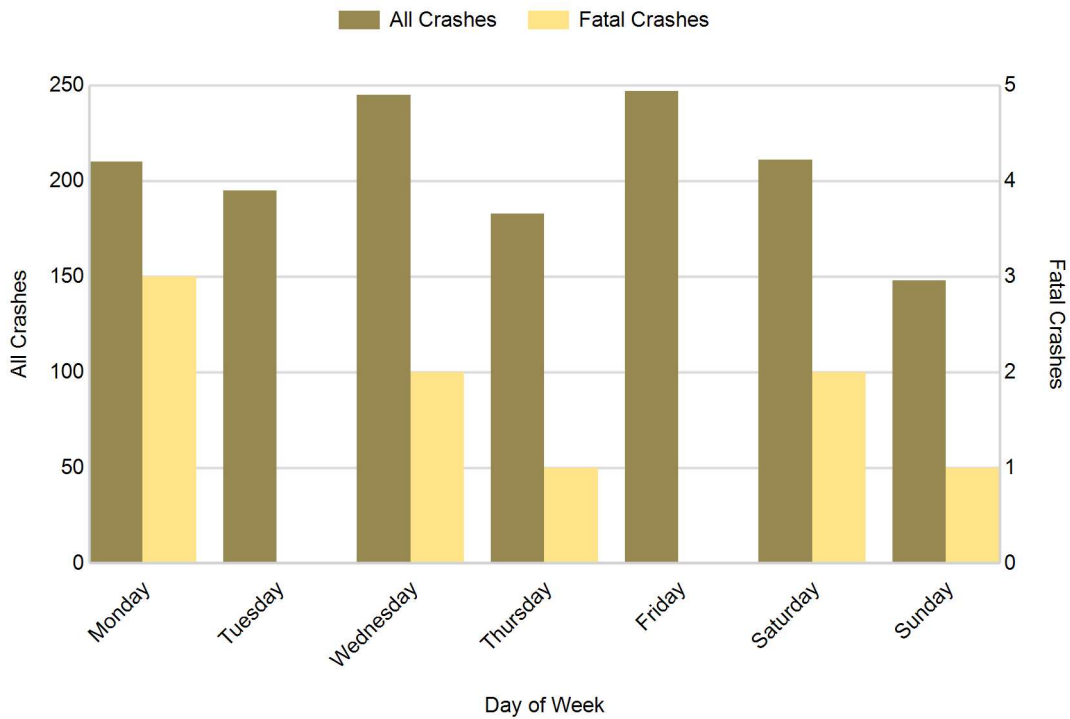
## 2020 Crashes by Month



## 2020 - 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	210	14.6	3	33.3	5	10	22	170
Tuesday	195	13.6	0	0.0	4	7	15	169
Wednesday	245	17.0	2	22.2	8	6	18	211
Thursday	183	12.7	1	11.1	5	10	17	150
Friday	247	17.2	0	0.0	6	9	21	211
Saturday	211	14.7	2	22.2	8	13	22	166
Sunday	148	10.3	1	11.1	5	4	19	119
<b>Total</b>	<b>1,439</b>	<b>100.0</b>	<b>9</b>	<b>100.0</b>	<b>41</b>	<b>59</b>	<b>134</b>	<b>1,196</b>

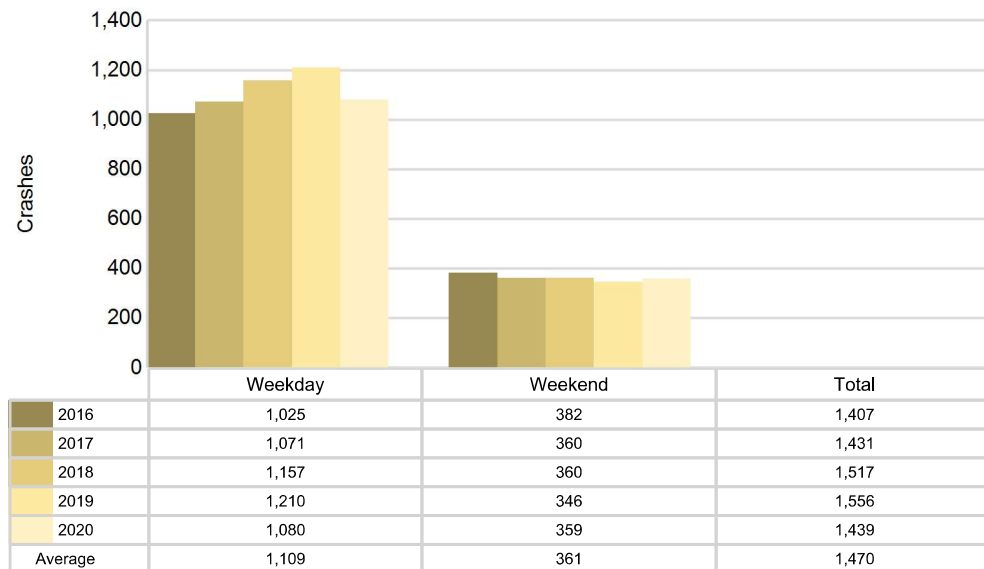
## 2020 Day of Week and Severity



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

Portion of Week	2016		2017		2018		2019		2020	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	1,025	7	1,071	8	1,157	7	1,210	5	1,080	6
Weekend	382	2	360	5	360	1	346	3	359	3
<b>Total</b>	<b>1,407</b>	<b>9</b>	<b>1,431</b>	<b>13</b>	<b>1,517</b>	<b>8</b>	<b>1,556</b>	<b>8</b>	<b>1,439</b>	<b>9</b>

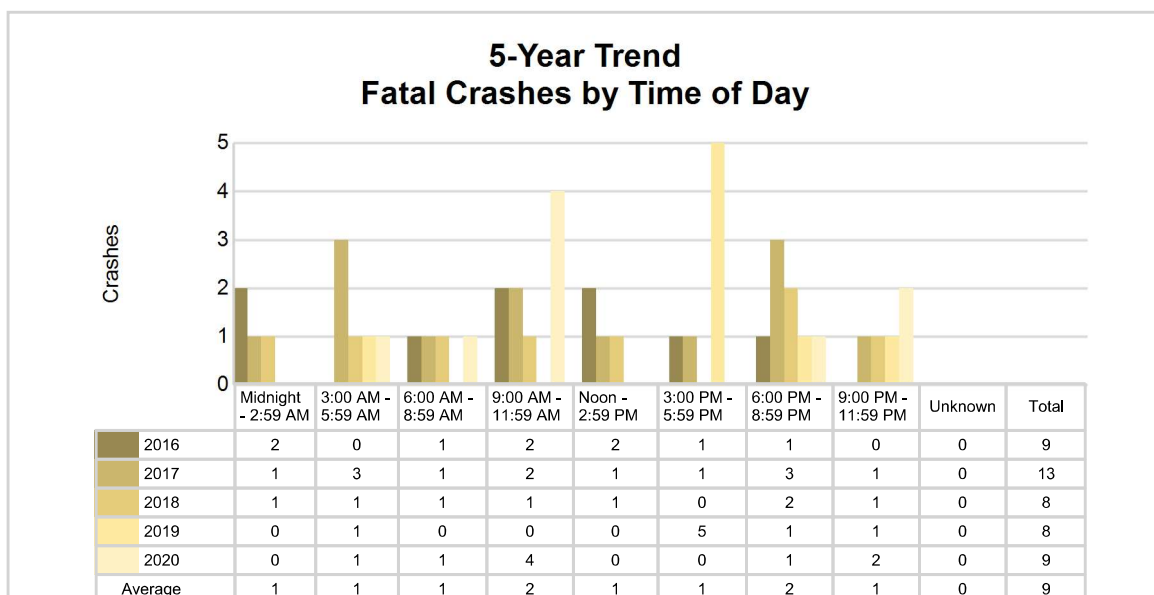
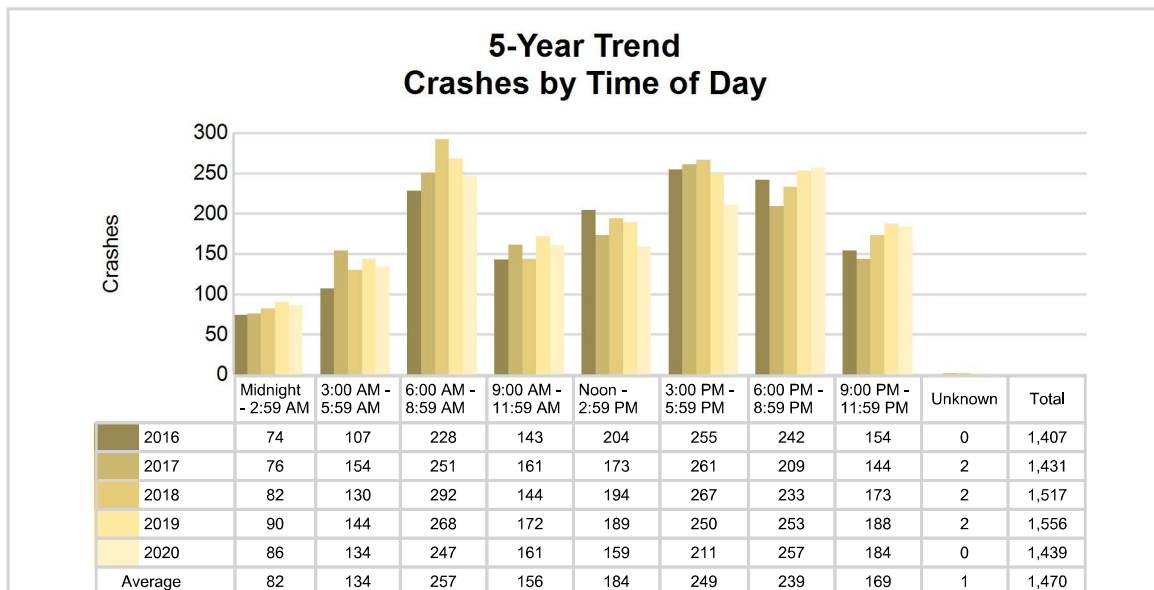
### 5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



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

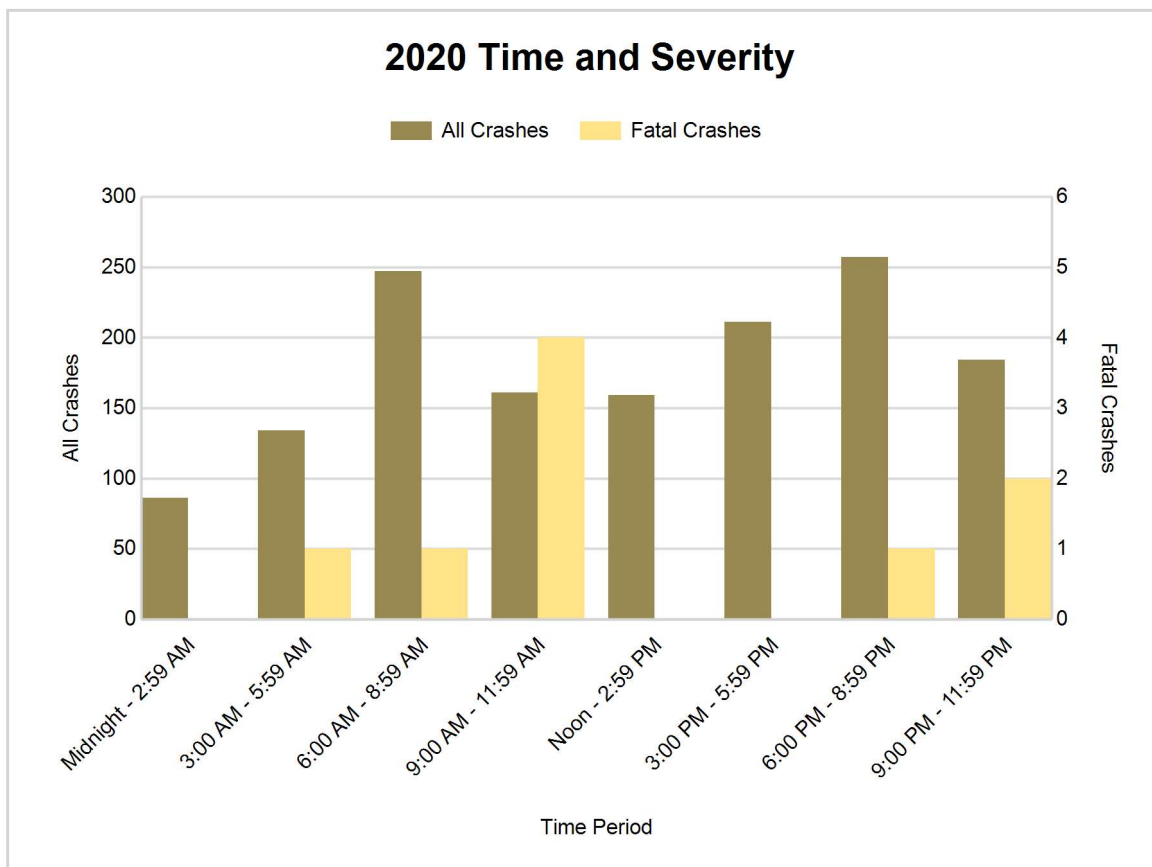
Time of Day	2016		2017		2018		2019		2020	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	74	2	76	1	82	1	90	0	86	0
3:00 AM - 5:59 AM	107	0	154	3	130	1	144	1	134	1
6:00 AM - 8:59 AM	228	1	251	1	292	1	268	0	247	1
9:00 AM - 11:59 AM	143	2	161	2	144	1	172	0	161	4
Noon - 2:59 PM	204	2	173	1	194	1	189	0	159	0
3:00 PM - 5:59 PM	255	1	261	1	267	0	250	5	211	0
6:00 PM - 8:59 PM	242	1	209	3	233	2	253	1	257	1
9:00 PM - 11:59 PM	154	0	144	1	173	1	188	1	184	2
Unknown	0	0	2	0	2	0	2	0	0	0
<b>Total</b>	<b>1,407</b>	<b>9</b>	<b>1,431</b>	<b>13</b>	<b>1,517</b>	<b>8</b>	<b>1,556</b>	<b>8</b>	<b>1,439</b>	<b>9</b>

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



## 2020 - 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	86	6.0	0	0.0	3	2	11	70
3:00 AM - 5:59 AM	134	9.3	1	11.1	0	1	9	123
6:00 AM - 8:59 AM	247	17.2	1	11.1	1	6	17	222
9:00 AM - 11:59 AM	161	11.2	4	44.4	4	5	17	131
Noon - 2:59 PM	159	11.0	0	0.0	6	7	27	119
3:00 PM - 5:59 PM	211	14.7	0	0.0	13	15	27	156
6:00 PM - 8:59 PM	257	17.9	1	11.1	9	13	15	219
9:00 PM - 11:59 PM	184	12.8	2	22.2	5	10	11	156
Unknown	0	0.0	0	0.0	0	0	0	0
<b>Total</b>	<b>1,439</b>	<b>100.0</b>	<b>9</b>	<b>100.0</b>	<b>41</b>	<b>59</b>	<b>134</b>	<b>1,196</b>

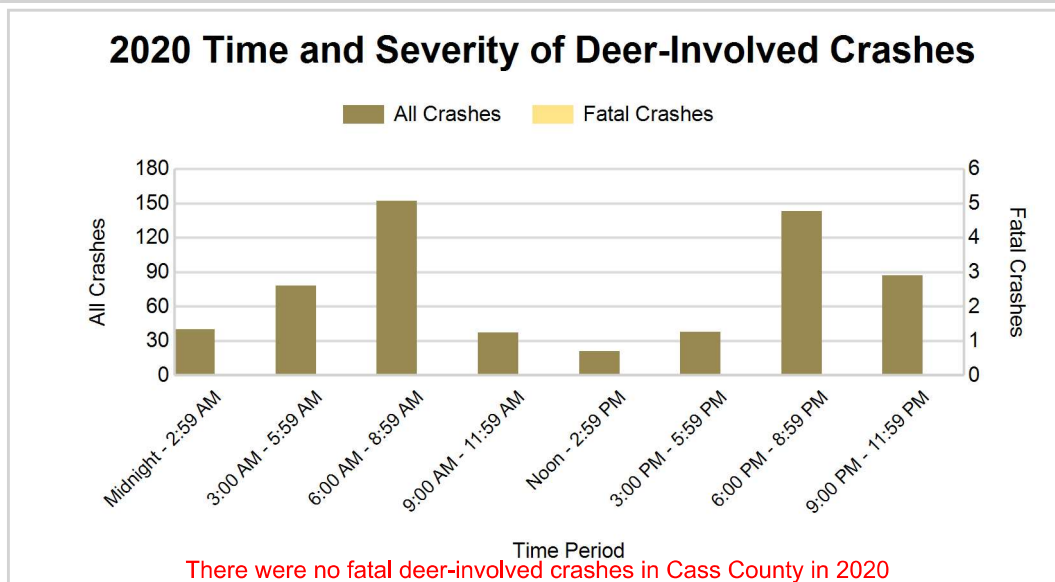
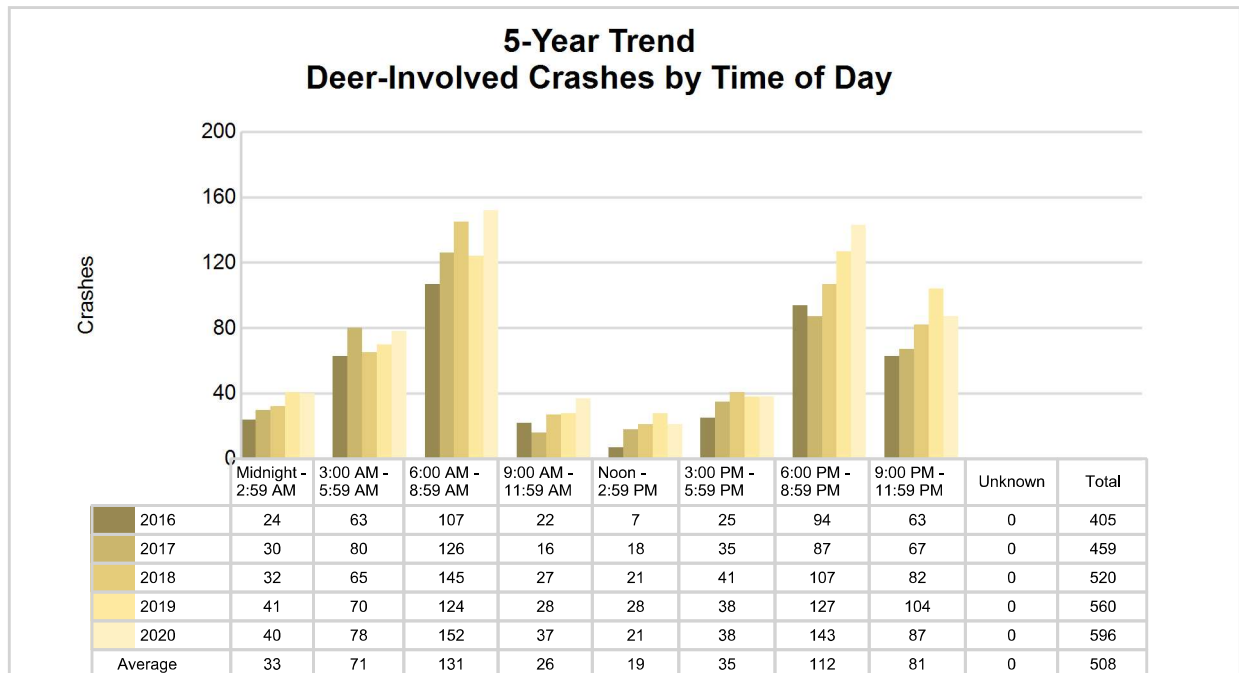




## 5-Year Trend - Deer-Involved Crashes by Time of Day

Time of Day	2016		2017		2018		2019		2020	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	24	0	30	0	32	0	41	0	40	0
3:00 AM - 5:59 AM	63	0	80	0	65	0	70	0	78	0
6:00 AM - 8:59 AM	107	0	126	0	145	0	124	0	152	0
9:00 AM - 11:59 AM	22	0	16	0	27	0	28	0	37	0
Noon - 2:59 PM	7	0	18	0	21	0	28	0	21	0
3:00 PM - 5:59 PM	25	0	35	0	41	0	38	0	38	0
6:00 PM - 8:59 PM	94	0	87	0	107	0	127	0	143	0
9:00 PM - 11:59 PM	63	0	67	0	82	0	104	0	87	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>405</b>	<b>0</b>	<b>459</b>	<b>0</b>	<b>520</b>	<b>0</b>	<b>560</b>	<b>0</b>	<b>596</b>	<b>0</b>

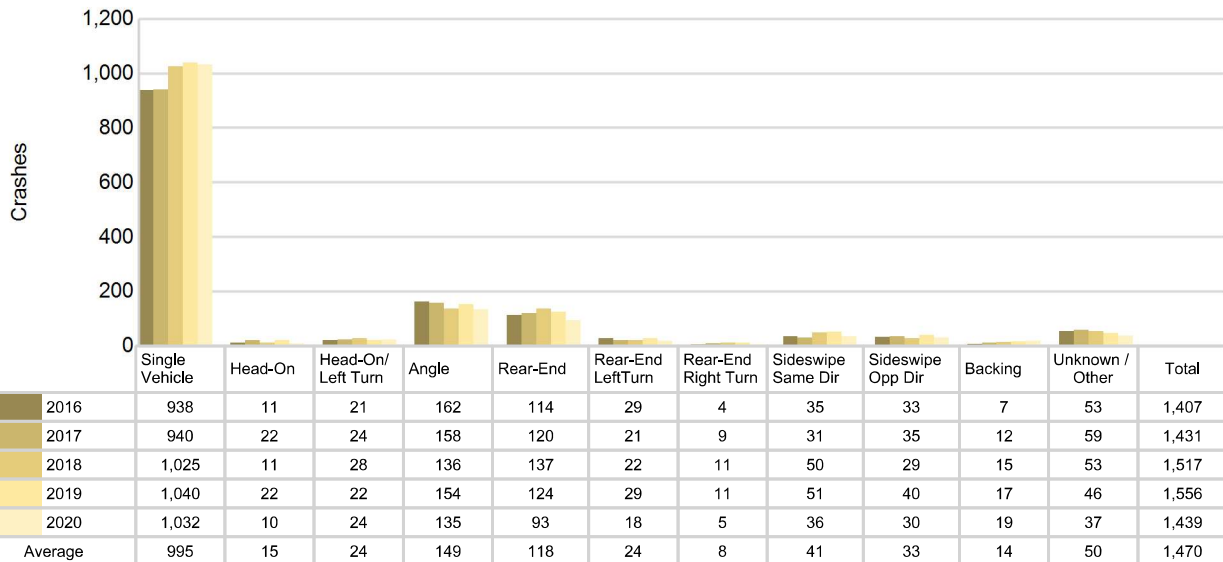
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period



## 5-Year Trend - Crashes by Crash Type

Crash Type	2016		2017		2018		2019		2020	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Single motor vehicle	938	4	940	8	1,025	5	1,040	4	1,032	7
Head-on	11	1	22	2	11	2	22	1	10	0
Head-on / left turn	21	1	24	0	28	0	22	0	24	0
Angle	162	3	158	1	136	1	154	2	135	2
Rear-end	114	0	120	1	137	0	124	0	93	0
Rear-end left turn	29	0	21	0	22	0	29	0	18	0
Rear-end right turn	4	0	9	0	11	0	11	0	5	0
Sideswipe same direction	35	0	31	0	50	0	51	0	36	0
Sideswipe opposite direction	33	0	35	0	29	0	40	0	30	0
Backing	7	0	12	0	15	0	17	0	19	0
Other / Unknown	53	0	59	1	53	0	46	1	37	0
Uncoded and Errors	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1,407</b>	<b>9</b>	<b>1,431</b>	<b>13</b>	<b>1,517</b>	<b>8</b>	<b>1,556</b>	<b>8</b>	<b>1,439</b>	<b>9</b>

### 5-Year Trend Crashes by Crash Type



# Cass County (continued)

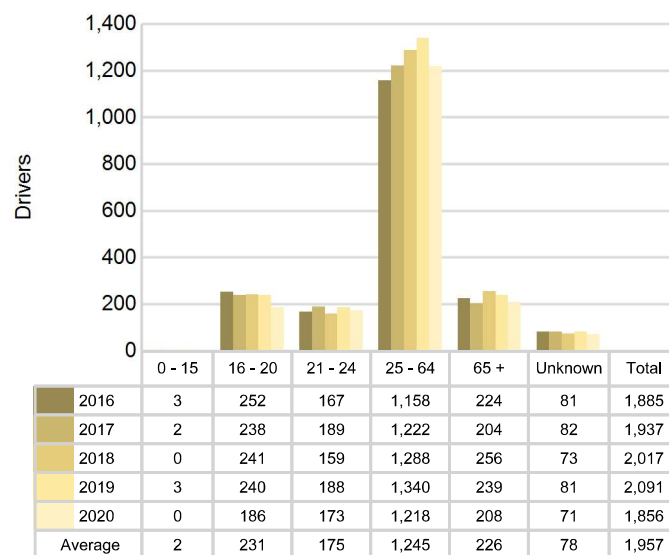
## 2020 - Reported Motor Vehicle Crashes by Municipality

Municipality	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Calvin Twp.	78	0	9	69	0	0	0	78	2	0	43	0	9
Cassopolis	23	0	4	19	0	0	16	7	1	0	3	0	6
Dowagiac	85	0	13	72	0	0	40	45	6	2	3	0	19
Edwardsburg	22	0	10	12	0	10	10	2	0	0	3	0	15
Howard Twp.	105	0	13	92	0	0	39	66	6	1	43	0	16
Jefferson Twp.	111	1	13	97	0	0	59	52	5	1	64	1	22
LaGrange Twp.	105	0	15	90	0	0	42	63	4	3	59	0	20
Marcellus	5	0	1	4	0	0	5	0	0	0	1	0	1
Marcellus Twp.	48	1	4	43	0	0	20	28	2	2	31	2	8
Mason Twp.	77	0	17	60	0	33	0	44	4	2	20	0	23
Milton Twp.	147	2	34	111	0	52	11	83	5	2	47	2	48
Newberg Twp.	57	0	4	53	0	0	36	21	1	0	40	0	5
Niles	0	0	0	0	0	0	0	0	0	0	0	0	0
Ontwa Twp.	111	2	29	80	0	33	16	61	10	3	25	2	52
Penn Twp.	52	0	5	47	0	0	13	39	2	0	32	0	7
Pokagon Twp.	103	1	16	86	0	0	39	64	5	1	40	1	22
Porter Twp.	112	1	20	91	0	40	26	46	4	1	51	1	27
Silver Creek Twp.	62	0	5	57	0	0	28	34	3	0	29	0	8
Vandalia	2	0	1	1	0	0	1	1	0	0	0	0	1
Volinia Twp.	61	1	12	48	0	0	0	61	2	1	29	1	17
Wayne Twp.	73	0	9	64	0	0	16	57	4	2	33	0	11
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1,439</b>	<b>9</b>	<b>234</b>	<b>1,196</b>	<b>0</b>	<b>168</b>	<b>417</b>	<b>852</b>	<b>66</b>	<b>21</b>	<b>596</b>	<b>10</b>	<b>337</b>

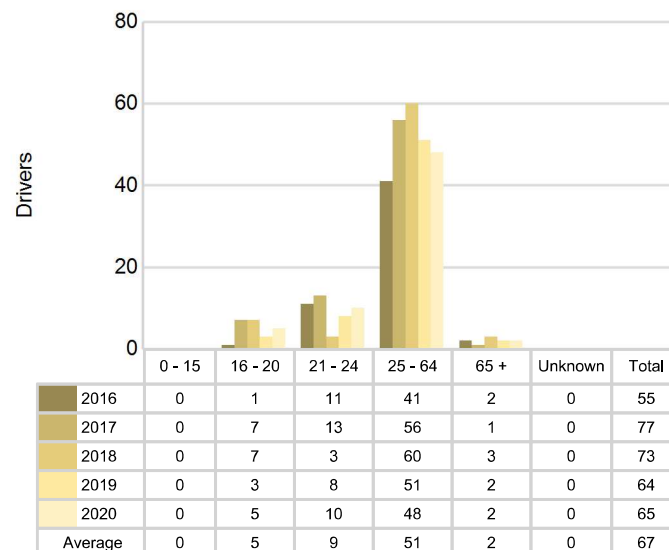
## 5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2016		2017		2018		2019		2020	
	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	3	0	2	0	0	0	3	0	0	0
16 - 20	252	1	238	7	241	7	240	3	186	5
21 - 24	167	11	189	13	159	3	188	8	173	10
25 - 64	1,158	41	1,222	56	1,288	60	1,340	51	1,218	48
65 +	224	2	204	1	256	3	239	2	208	2
Unknown	81	0	82	0	73	0	81	0	71	0
<b>Total</b>	<b>1,885</b>	<b>55</b>	<b>1,937</b>	<b>77</b>	<b>2,017</b>	<b>73</b>	<b>2,091</b>	<b>64</b>	<b>1,856</b>	<b>65</b>

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



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



## 2020 - 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	7	5	5	0	0	2	1	2
21 - 24	10	7	7	10	0	2	1	2	5
25 - 64	56	54	35	48	0	7	9	13	19
65 +	4	2	2	2	0	0	0	1	1
Unknown	1	0	0	0	0	0	0	0	0
<b>Total</b>	<b>79</b>	<b>70</b>	<b>49</b>	<b>65</b>	<b>0</b>	<b>9</b>	<b>12</b>	<b>17</b>	<b>27</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 2020, there were 79 drivers in alcohol-involved crashes; 65 (82.3%) of those drivers were coded as had-been-drinking by the officer on the crash form.

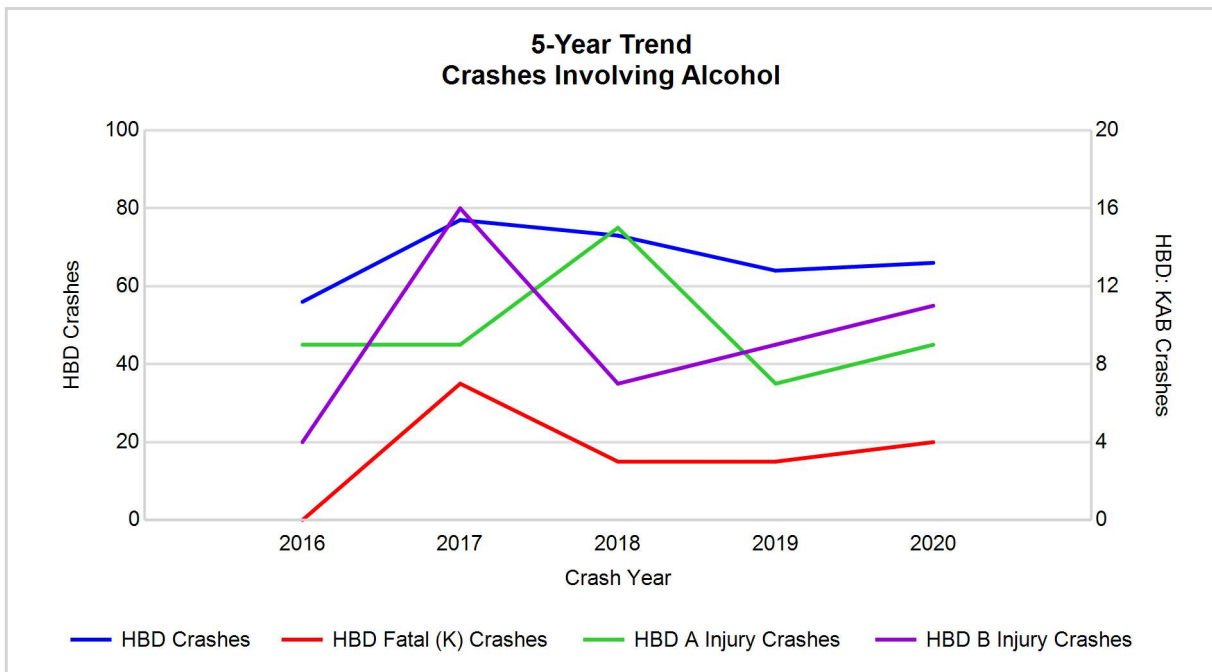
- 29 (44.6%) of the 65 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 17 (58.6%) of the 29 drivers had a BAC at or above 0.17 g/dL.
- 49 (75.4%) of the 65 drivers were coded as had-been-drinking and were tested for alcohol consumption.

## 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
2016	1,407	56	4.0	9	0	0.0	31	9	29.0	76	4	5.3
2017	1,431	77	5.4	13	7	53.8	51	9	17.6	80	16	20.0
2018	1,517	73	4.8	8	3	37.5	52	15	28.8	68	7	10.3
2019	1,556	64	4.1	8	3	37.5	47	7	14.9	70	9	12.9
2020	1,439	66	4.6	9	4	44.4	41	9	22.0	59	11	18.6

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



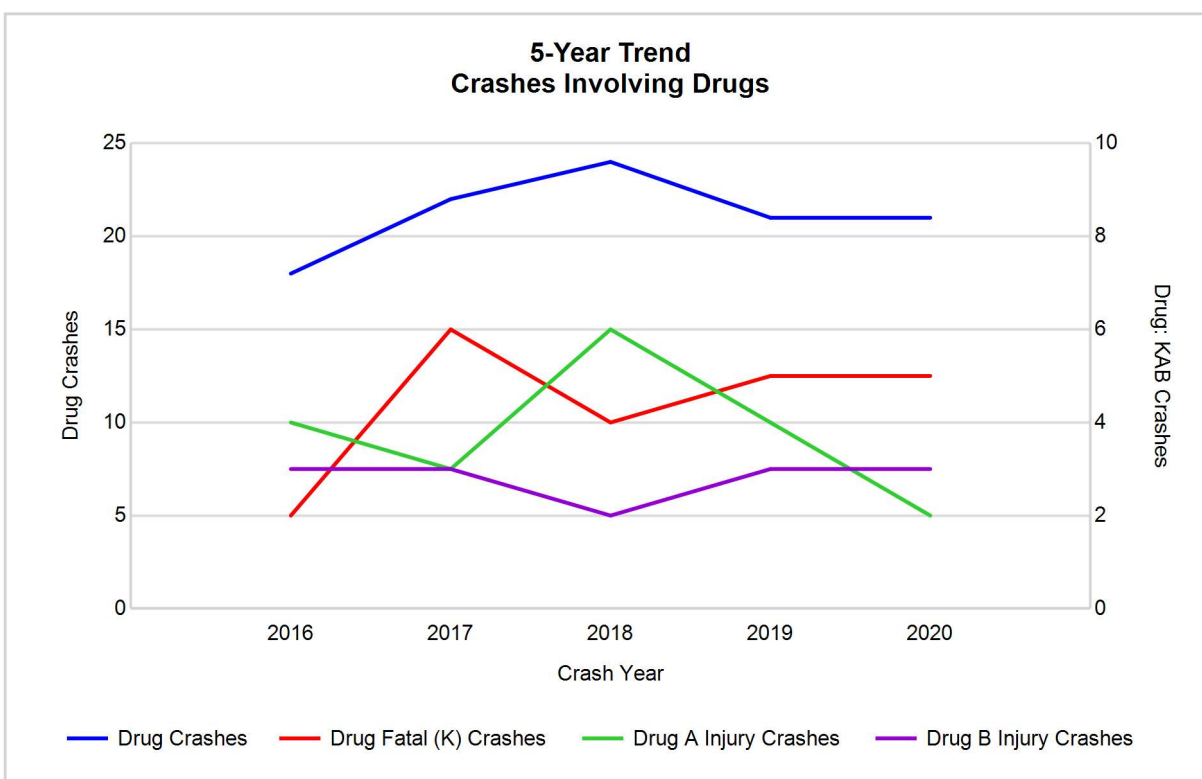
Note: Had-Been-Drinking (HBD)

## 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
2016	1,407	18	1.3	9	2	22.2	31	4	12.9	76	3	3.9
2017	1,431	22	1.5	13	6	46.2	51	3	5.9	80	3	3.8
2018	1,517	24	1.6	8	4	50.0	52	6	11.5	68	2	2.9
2019	1,556	21	1.3	8	5	62.5	47	4	8.5	70	3	4.3
2020	1,439	21	1.5	9	5	55.6	41	2	4.9	59	3	5.1

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

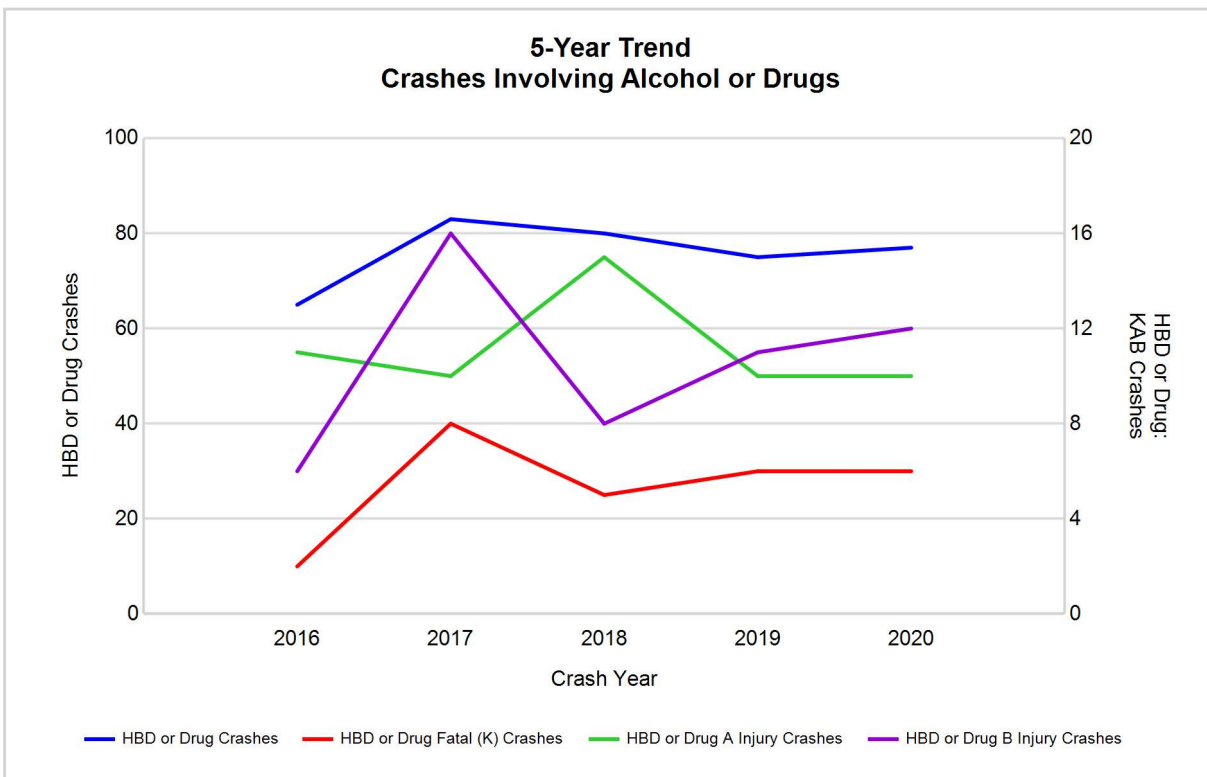


## 5-Year Trend - Crashes Involving Alcohol or Drugs

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
2016	1,407	65	4.6	9	2	22.2	31	11	35.5	76	6	7.9
2017	1,431	83	5.8	13	8	61.5	51	10	19.6	80	16	20.0
2018	1,517	80	5.3	8	5	62.5	52	15	28.8	68	8	11.8
2019	1,556	75	4.8	8	6	75.0	47	10	21.3	70	11	15.7
2020	1,439	77	5.4	9	6	66.7	41	10	24.4	59	12	20.3

Note: \* Indicates that the most recent year is the lowest number or percentage reported in the 5-year period in that column

\*\* Indicates that the most recent year is the highest number or percentage reported in the 5-year period in that column



Note: Had-Been-Drinking (HBD)

## 2020 - 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	1,444	1,353	93.7	5	2	40.0	34	28	82.4	57	46	80.7	179	176	98.3	1,133	1,101	97.2
Motor home	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Pickup truck	375	341	90.9	3	1	33.3	8	4	50.0	10	9	90.0	20	18	90.0	321	309	96.3
Small truck under 10,000 lbs. GVWR	6	6	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	6	100.0
Motorcycle	32	14	43.8	1	1	100.0	10	2	20.0	6	3	50.0	7	4	57.1	5	4	80.0
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	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	3	2	66.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	2	66.7
Truck/bus over 10,000 lbs.	59	57	96.6	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	59	57	96.6
Unknown	26	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>1,947</b>	<b>1,775</b>	<b>91.2</b>	<b>9</b>	<b>4</b>	<b>0.0</b>	<b>52</b>	<b>34</b>	<b>65.4</b>	<b>73</b>	<b>58</b>	<b>79.5</b>	<b>206</b>	<b>198</b>	<b>96.1</b>	<b>1,529</b>	<b>1,481</b>	<b>96.9</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.

## 2020 - 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	18	17	94.4	0	0	0.0	0	0	0.0	4	3	75.0	14	14	100.0	0	0	0.0
16 - 20	206	199	96.6	0	0	0.0	9	8	88.9	7	5	71.4	31	31	100.0	158	155	98.1
21 - 24	179	172	96.1	1	1	100.0	7	5	71.4	4	3	75.0	17	16	94.1	150	147	98.0
25 - 64	1,253	1,179	94.1	4	1	25.0	30	16	53.3	49	38	77.6	117	112	95.7	1,047	1,012	96.7
65 +	220	208	94.5	4	2	50.0	6	5	83.3	9	9	100.0	27	25	92.6	174	167	96.0
Unknown	71	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>1,947</b>	<b>1,775</b>	<b>91.2</b>	<b>9</b>	<b>4</b>	<b>0.0</b>	<b>52</b>	<b>34</b>	<b>65.4</b>	<b>73</b>	<b>58</b>	<b>79.5</b>	<b>206</b>	<b>198</b>	<b>96.1</b>	<b>1,529</b>	<b>1,481</b>	<b>96.9</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	2016			2017			2018			2019			2020		
	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	11	0	2	8	0	2	4	0	2	3	0	1	1	0	0
Shoulder belt only used	11	0	3	14	0	2	18	0	2	13	0	0	10	0	0
Lap belt only used	6	0	0	4	0	0	2	0	1	5	0	0	3	0	0
Both lap & shoulder belts used	1,692	4	243	1,729	4	224	1,812	1	226	1,889	2	240	1,677	2	211
No belts used	21	0	7	15	3	6	17	1	10	17	2	6	23	2	8
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	1	0	0	1	0	1	0	0	0	1	1	0	0	0	0
Restraint use unknown	79	1	7	140	2	21	131	1	13	143	0	13	118	1	7
Helmet worn	16	0	9	12	1	9	16	2	12	8	1	5	13	1	8
Helmet not worn	14	0	11	11	0	10	12	0	10	11	0	10	10	0	9
Helmet use unknown	3	1	2	2	0	1	3	0	2	0	0	0	0	0	0
Uncoded & errors	31	0	0	1	0	0	2	0	0	1	0	0	1	0	0
<b>Total</b>	<b>1,885</b>	<b>6</b>	<b>284</b>	<b>1,937</b>	<b>10</b>	<b>276</b>	<b>2,017</b>	<b>5</b>	<b>278</b>	<b>2,091</b>	<b>6</b>	<b>275</b>	<b>1,856</b>	<b>6</b>	<b>243</b>

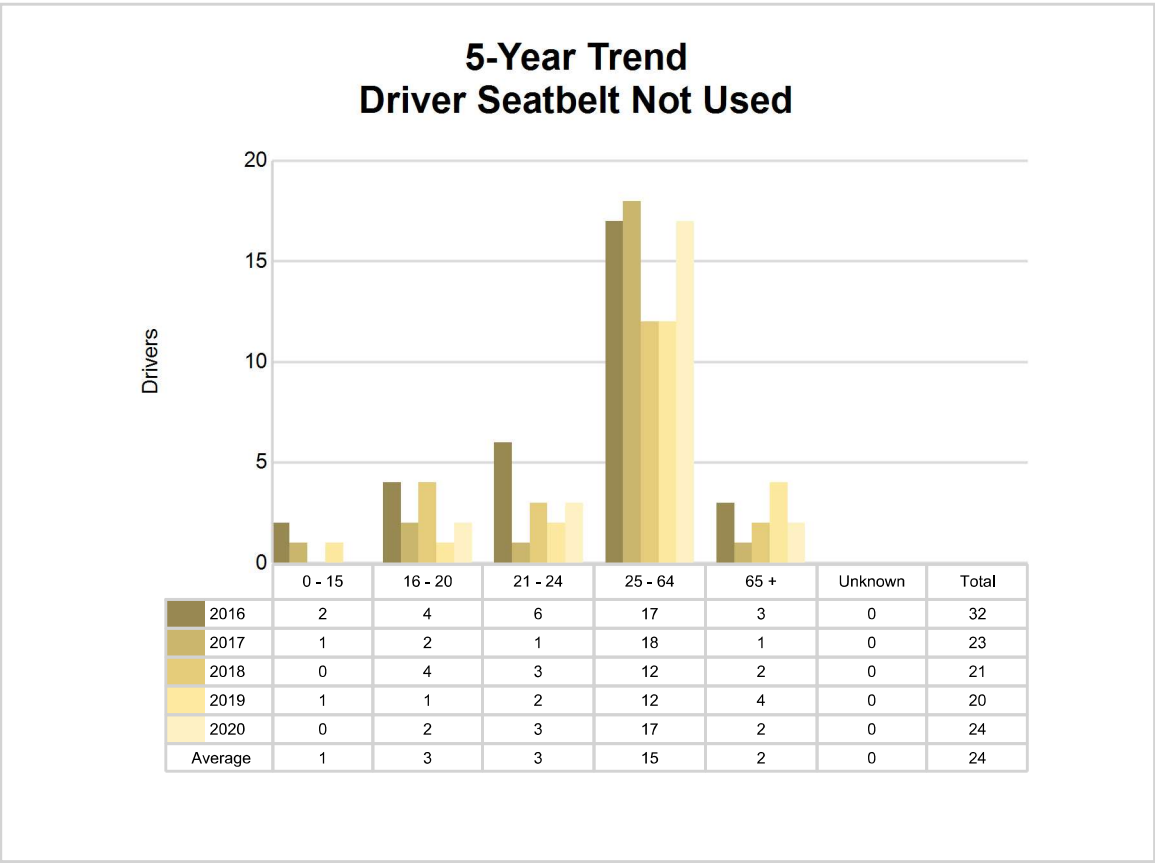
## 5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2016			2017			2018			2019			2020		
	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	1	0	0	1	0	1	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	47	0	19	54	2	24	49	1	21	46	0	20	49	0	23
No belts used	2	0	1	7	2	4	5	1	3	3	2	0	4	1	3
Child restraint used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child restraint not used, unavailable or improper use	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint failure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint use unknown	2	0	1	13	0	8	16	0	8	12	0	3	10	1	2
Helmet worn	0	0	0	1	1	0	1	0	1	0	0	0	1	0	1
Helmet not worn	3	0	2	1	0	0	2	0	2	3	0	3	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>55</b>	<b>0</b>	<b>23</b>	<b>77</b>	<b>5</b>	<b>37</b>	<b>73</b>	<b>2</b>	<b>35</b>	<b>64</b>	<b>2</b>	<b>26</b>	<b>65</b>	<b>2</b>	<b>30</b>

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

Age Group	2016			2017			2018			2019			2020		
	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	1	1	0	1	0	0	0	1	0	1	0	0	0
16 - 20	4	0	3	2	0	1	4	0	3	1	0	1	2	0	0
21 - 24	6	0	1	1	1	0	3	0	2	2	1	0	3	0	1
25 - 64	17	0	4	18	2	5	12	1	6	12	1	4	17	1	7
65 +	3	0	0	1	0	1	2	0	1	4	0	1	2	1	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	32	0	9	23	3	8	21	1	12	20	2	7	24	2	8

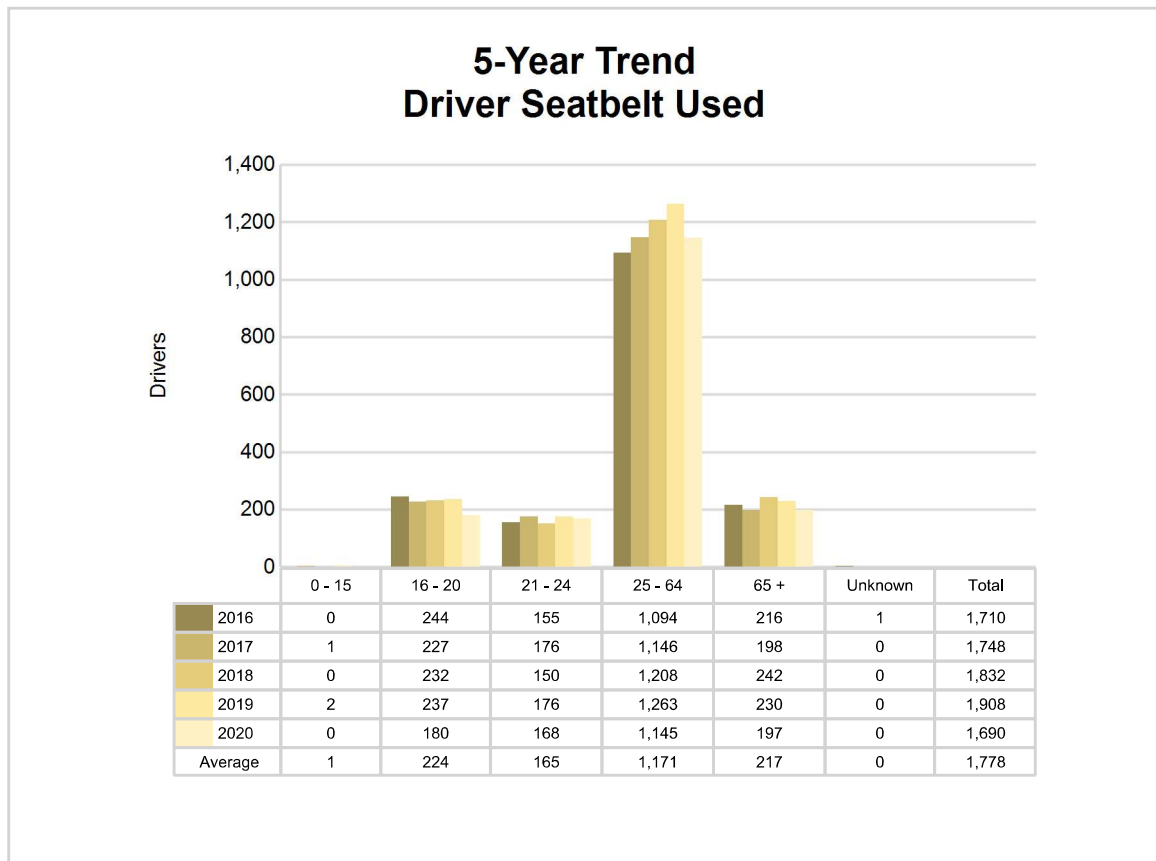
Note: Seatbelt Not Used includes no belts available or no belts used.



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

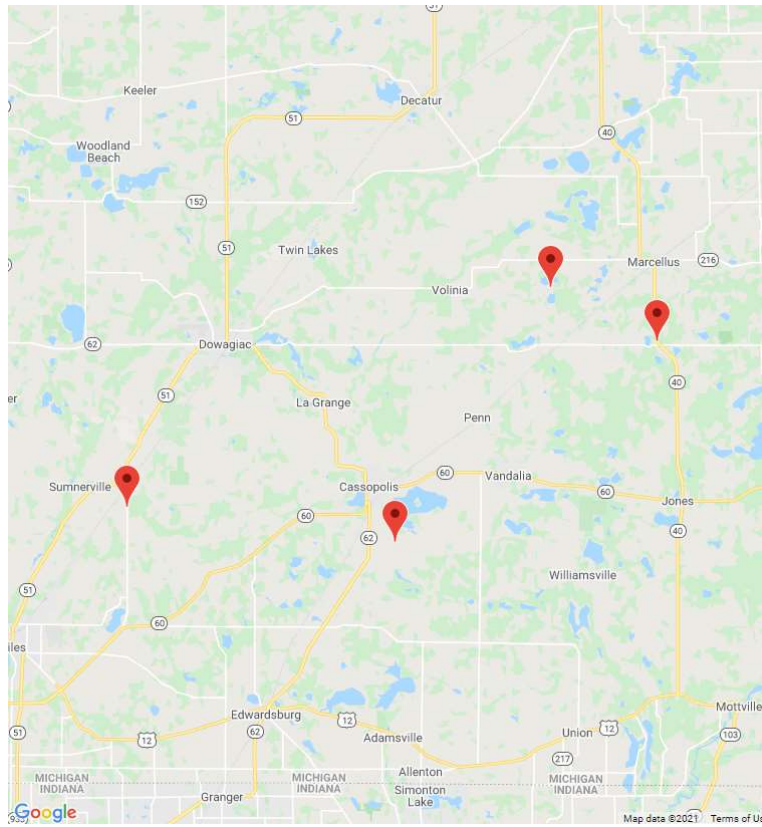
Age Group	2016			2017			2018			2019			2020		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	0	0	0	1	0	1	0	0	0	2	0	0	0	0	0
16 - 20	244	1	32	227	0	30	232	0	32	237	0	29	180	0	25
21 - 24	155	0	21	176	1	29	150	0	14	176	1	21	168	0	21
25 - 64	1,094	3	162	1,146	3	143	1,208	1	145	1,263	1	152	1,145	0	137
65 +	216	0	31	198	0	24	242	0	38	230	1	38	197	2	28
Unknown	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1,710</b>	<b>4</b>	<b>246</b>	<b>1,748</b>	<b>4</b>	<b>227</b>	<b>1,832</b>	<b>1</b>	<b>229</b>	<b>1,908</b>	<b>3</b>	<b>240</b>	<b>1,690</b>	<b>2</b>	<b>211</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 - Drivers in Crashes by Hazardous Action

Hazardous Action	2016		2017		2018		2019		2020	
	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	996	6	1,068	7	1,119	3	1,208	6	1,078	3
Speed too fast	264	1	203	5	219	2	230	3	196	2
Speed too slow	2	0	3	0	4	0	2	0	1	0
Failed to yield	149	4	168	0	159	0	152	0	151	2
Disregard traffic control	34	2	24	1	21	0	33	1	22	0
Drove wrong way	0	0	2	0	1	0	0	0	4	0
Drove left of center	17	0	19	2	14	1	28	1	17	0
Improper passing	13	0	11	0	21	0	10	0	13	0
Improper lane use	11	0	7	0	13	0	12	0	12	0
Improper turn	14	0	13	0	18	0	15	0	11	0
Improper/no signal	11	0	1	0	0	0	3	0	5	0
Improper backing	20	0	20	0	13	0	17	0	14	0
Unable to stop in assured clear distance	120	0	124	0	140	0	146	0	110	1
Other	83	0	71	1	85	0	62	0	71	0
Unknown	65	1	91	1	105	3	90	1	71	1
Reckless driving	10	0	23	1	19	0	18	0	15	2
Careless/negligent driving	76	1	89	0	65	2	64	1	64	1
Uncoded & errors	0	0	0	0	1	0	1	0	1	0
<b>Total</b>	<b>1,885</b>	<b>15</b>	<b>1,937</b>	<b>18</b>	<b>2,017</b>	<b>11</b>	<b>2,091</b>	<b>13</b>	<b>1,856</b>	<b>12</b>



The picture above represents all 2020 alcohol-involved fatal crashes in Cass County.

In 2020, there were 66 alcohol-involved crashes in Cass County:

- 4 K - Fatal Crashes
- 9 A - Suspected Serious Injury Crashes
- 11 B - Suspected Minor Injury Crashes
- 15 C - Possible Injury Crashes
- 27 O - Property Damage Only/No Injury Crashes

### Office of Highway Safety Planning

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