



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)

## Isabella County

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

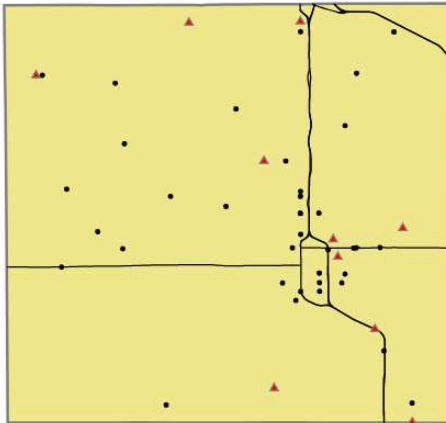


### Sources:

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 (10/10)
- A - Suspected Serious (37/37)

## Isabella County

In 2020:

There were 3,037 drivers involved in 2,171 motor vehicle crashes in Isabella County. Of those crashes, 10 were classified as fatal, resulting in 10 fatalities. An additional 385 persons were injured.

Isabella County experienced the highest number of motor vehicle crashes (333) in October, the highest number of fatal crashes (3) and the highest number of persons killed (3) in July.

Michigan driver statistics indicate 6.8 percent of licensed drivers in Isabella County were age 16-20, and 14.1 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	236	0	20	216	0	27
February	218	1	30	187	1	41
March	98	1	13	84	1	21
April	74	1	10	63	1	10
May	112	0	14	98	0	20
June	140	0	24	116	0	32
July	163	3	29	131	3	52
August	151	1	22	128	1	33
September	207	2	30	175	2	38
October	333	1	35	297	1	52
November	251	0	26	225	0	37
December	188	0	16	172	0	22
<b>Total</b>	<b>2,171</b>	<b>10</b>	<b>269</b>	<b>1,892</b>	<b>10</b>	<b>385</b>

## 2020 - Driver Statistics

Age Group	Isabella County			Driver Rates	
	2019 Population*	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	10,756	240	2	1.9	83.3
16 - 20	10,030	2,696	427	425.7	1,583.8
21 - 24	9,692	3,275	378	390.0	1,154.2
25 - 64	30,153	24,984	1,773	588.0	709.7
65 +	9,241	8,585	357	386.3	415.8
Unknown	0	0	100	--	--
<b>Total</b>	<b>69,872</b>	<b>39,780</b>	<b>3,037</b>	<b>434.7</b>	<b>763.4</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	2,286	75.3	11	64.7	332	1,943
Motor home	29	1.0	0	0.0	5	24
Pickup truck	564	18.6	4	23.5	91	469
Small truck under 10,000 lbs. GVWR	44	1.4	0	0.0	7	37
Motorcycle	15	0.5	2	11.8	10	3
Moped / goped	3	0.1	0	0.0	1	2
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	5	0.2	0	0.0	5	0
Other	5	0.2	0	0.0	0	5
Truck/bus over 10,000 lbs.	63	2.1	0	0.0	13	50
Unknown	23	0.8	0	0.0	2	21
<b>Total</b>	<b>3,037</b>	<b>100.0</b>	<b>17</b>	<b>100.0</b>	<b>466</b>	<b>2,554</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	285	1	250	2	255	0	276	0	236	0
February	240	0	202	0	196	0	211	0	218	1
March	225	0	196	1	211	0	195	0	98	1
April	178	0	185	0	219	1	199	0	74	1
May	209	0	179	1	179	1	170	0	112	0
June	165	1	214	1	207	0	190	3	140	0
July	143	0	164	0	160	0	141	0	163	3
August	156	0	176	2	138	1	160	2	151	1
September	239	0	198	2	201	1	184	1	207	2
October	346	1	368	2	323	0	342	3	333	1
November	362	0	325	0	385	0	372	0	251	0
December	311	1	355	0	238	2	247	0	188	0
<b>Total</b>	<b>2,859</b>	<b>4</b>	<b>2,812</b>	<b>11</b>	<b>2,712</b>	<b>6</b>	<b>2,687</b>	<b>9</b>	<b>2,171</b>	<b>10</b>

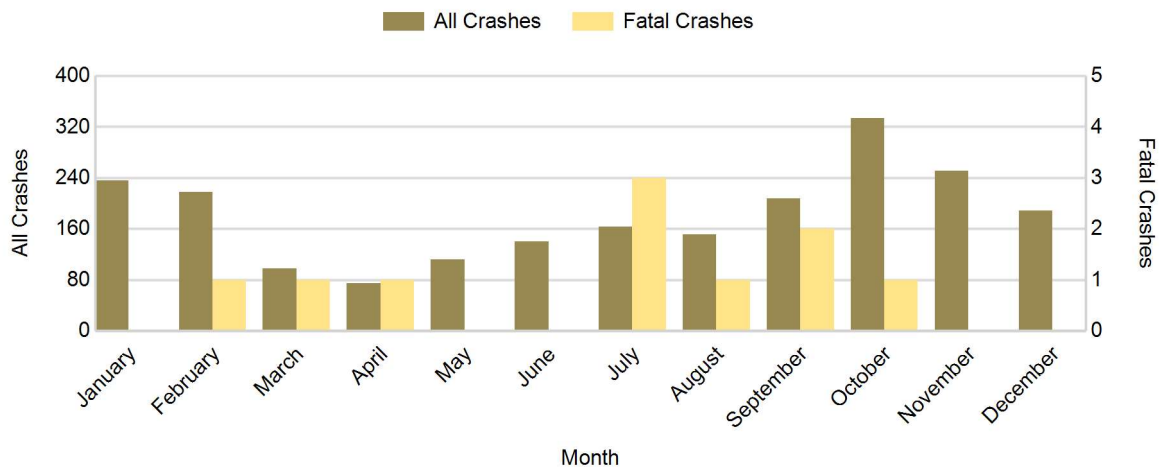
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

## 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	366	0	431	1	406	1	340	0	294	0
Tuesday	416	0	404	1	403	1	409	1	302	2
Wednesday	499	0	415	3	380	1	413	2	328	1
Thursday	454	1	410	0	445	1	403	2	347	3
Friday	462	0	500	1	460	1	451	1	338	4
Saturday	360	3	359	4	341	0	330	1	306	0
Sunday	302	0	293	1	277	1	341	2	256	0
<b>Total</b>	<b>2,859</b>	<b>4</b>	<b>2,812</b>	<b>11</b>	<b>2,712</b>	<b>6</b>	<b>2,687</b>	<b>9</b>	<b>2,171</b>	<b>10</b>

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

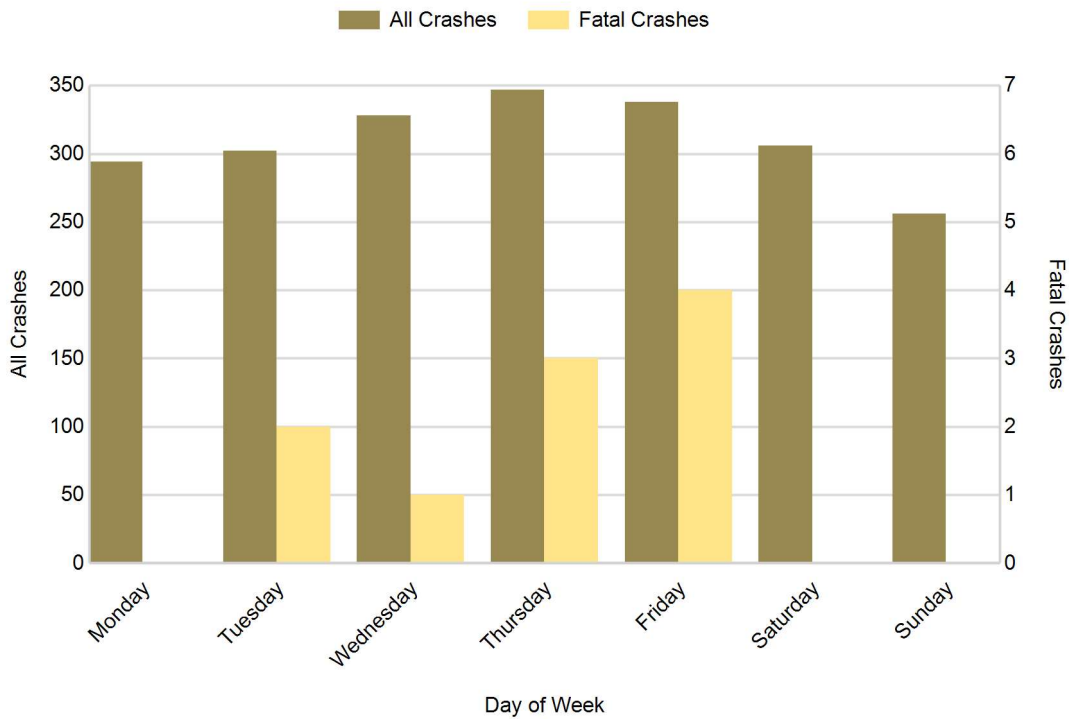
## 2020 Crashes by Month



## 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	294	13.5	0	0.0	6	8	17	263
Tuesday	302	13.9	2	20.0	4	9	20	267
Wednesday	328	15.1	1	10.0	5	8	24	290
Thursday	347	16.0	3	30.0	4	12	30	298
Friday	338	15.6	4	40.0	5	12	34	283
Saturday	306	14.1	0	0.0	7	14	18	267
Sunday	256	11.8	0	0.0	6	12	14	224
<b>Total</b>	<b>2,171</b>	<b>100.0</b>	<b>10</b>	<b>100.0</b>	<b>37</b>	<b>75</b>	<b>157</b>	<b>1,892</b>

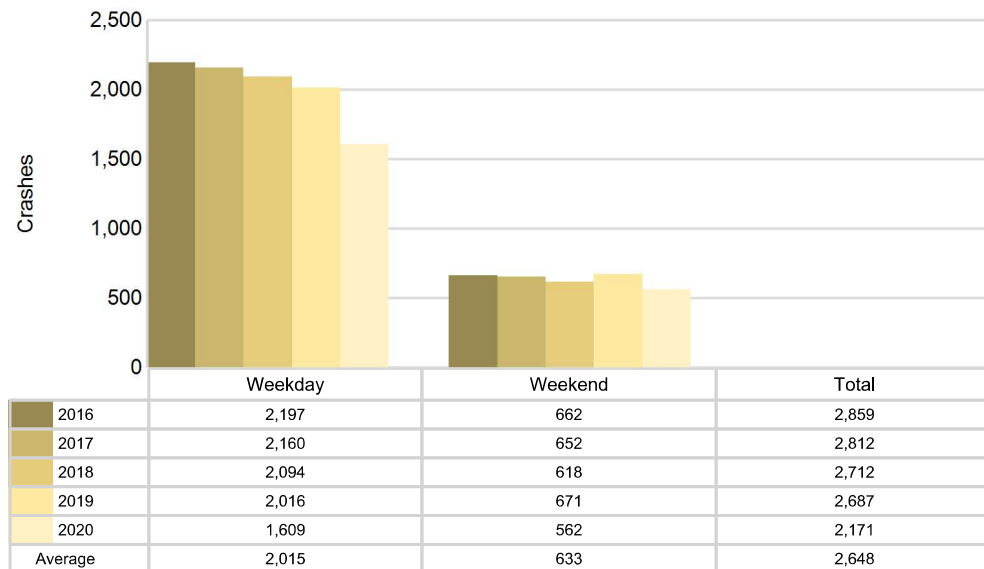
## 2020 Day of Week and Severity



## 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	2,197	1	2,160	6	2,094	5	2,016	6	1,609	10
Weekend	662	3	652	5	618	1	671	3	562	0
<b>Total</b>	<b>2,859</b>	<b>4</b>	<b>2,812</b>	<b>11</b>	<b>2,712</b>	<b>6</b>	<b>2,687</b>	<b>9</b>	<b>2,171</b>	<b>10</b>

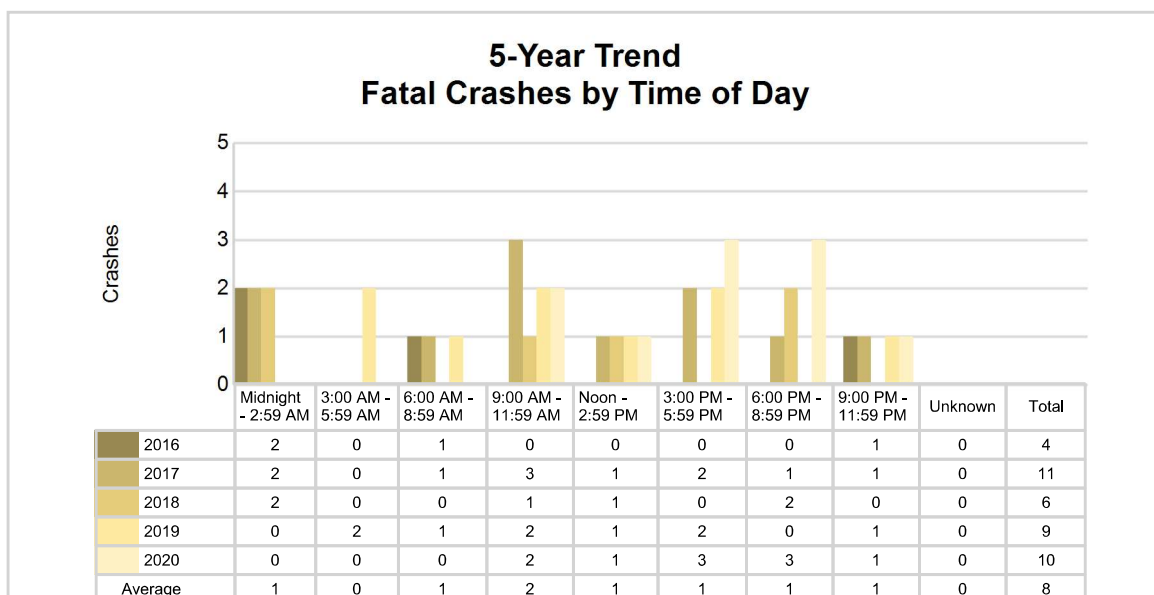
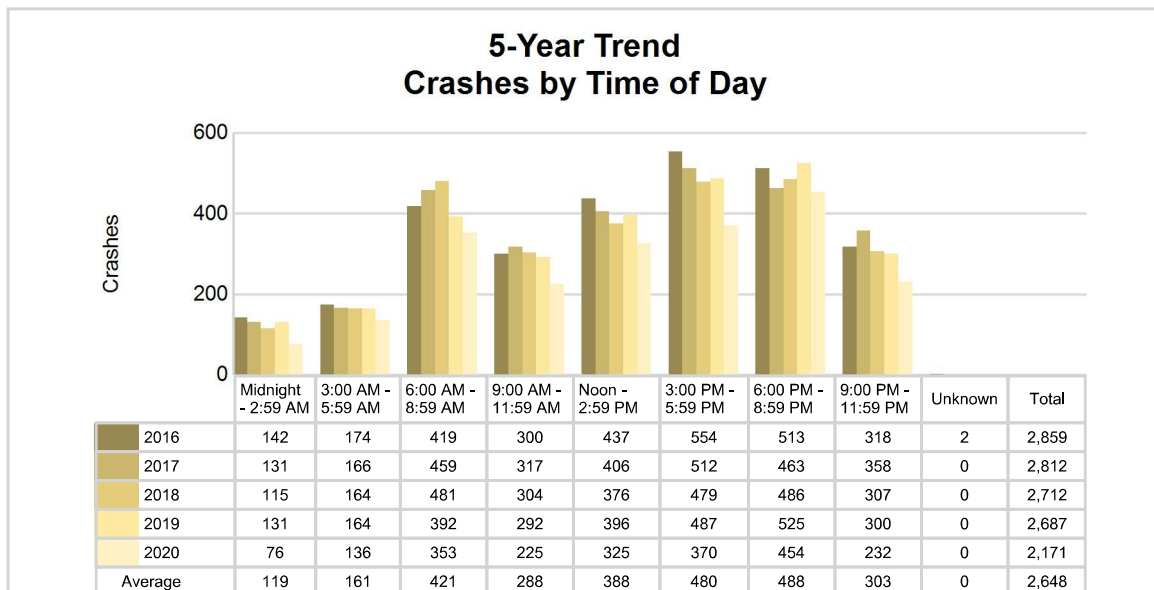
### 5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



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

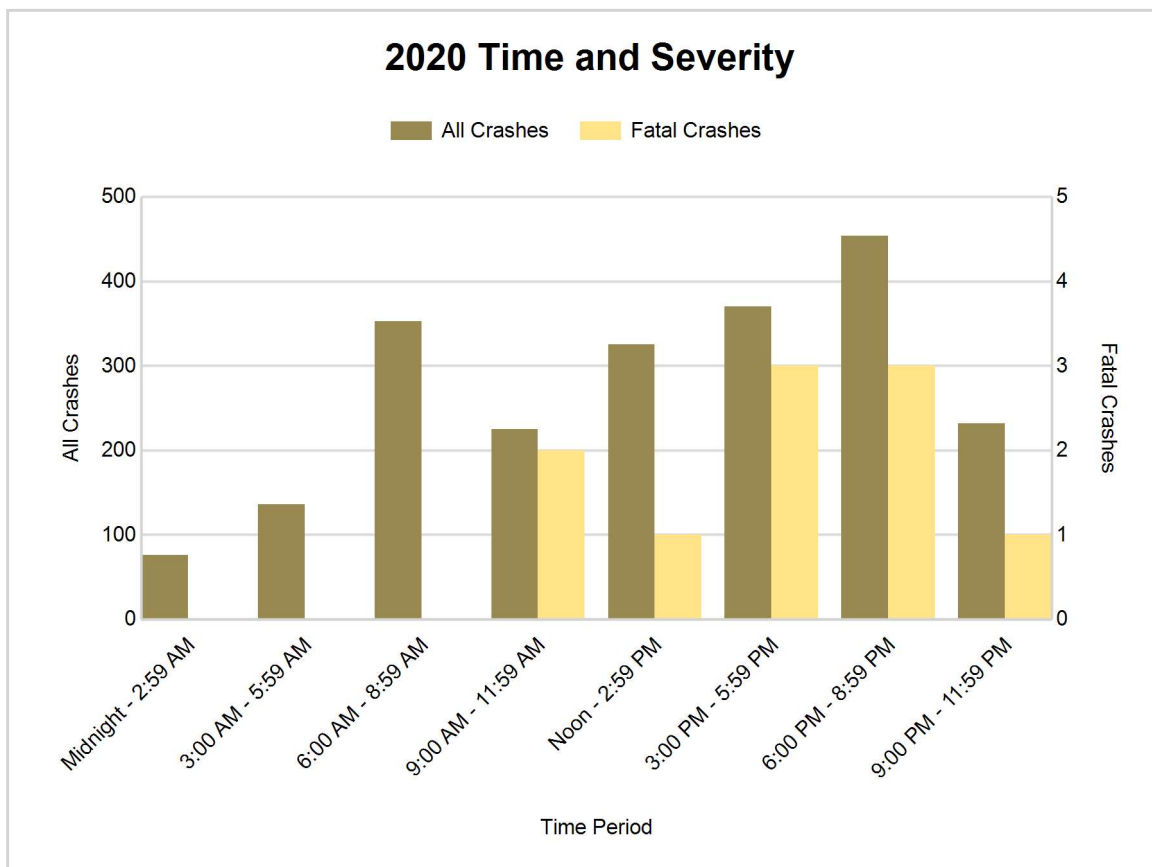
Time of Day	2016		2017		2018		2019		2020	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	142	2	131	2	115	2	131	0	76	0
3:00 AM - 5:59 AM	174	0	166	0	164	0	164	2	136	0
6:00 AM - 8:59 AM	419	1	459	1	481	0	392	1	353	0
9:00 AM - 11:59 AM	300	0	317	3	304	1	292	2	225	2
Noon - 2:59 PM	437	0	406	1	376	1	396	1	325	1
3:00 PM - 5:59 PM	554	0	512	2	479	0	487	2	370	3
6:00 PM - 8:59 PM	513	0	463	1	486	2	525	0	454	3
9:00 PM - 11:59 PM	318	1	358	1	307	0	300	1	232	1
Unknown	2	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>2,859</b>	<b>4</b>	<b>2,812</b>	<b>11</b>	<b>2,712</b>	<b>6</b>	<b>2,687</b>	<b>9</b>	<b>2,171</b>	<b>10</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	76	3.5	0	0.0	6	4	6	60
3:00 AM - 5:59 AM	136	6.3	0	0.0	0	5	6	125
6:00 AM - 8:59 AM	353	16.3	0	0.0	5	8	18	322
9:00 AM - 11:59 AM	225	10.4	2	20.0	4	7	21	191
Noon - 2:59 PM	325	15.0	1	10.0	4	14	30	276
3:00 PM - 5:59 PM	370	17.0	3	30.0	5	15	49	298
6:00 PM - 8:59 PM	454	20.9	3	30.0	11	11	17	412
9:00 PM - 11:59 PM	232	10.7	1	10.0	2	11	10	208
Unknown	0	0.0	0	0.0	0	0	0	0
<b>Total</b>	<b>2,171</b>	<b>100.0</b>	<b>10</b>	<b>100.0</b>	<b>37</b>	<b>75</b>	<b>157</b>	<b>1,892</b>

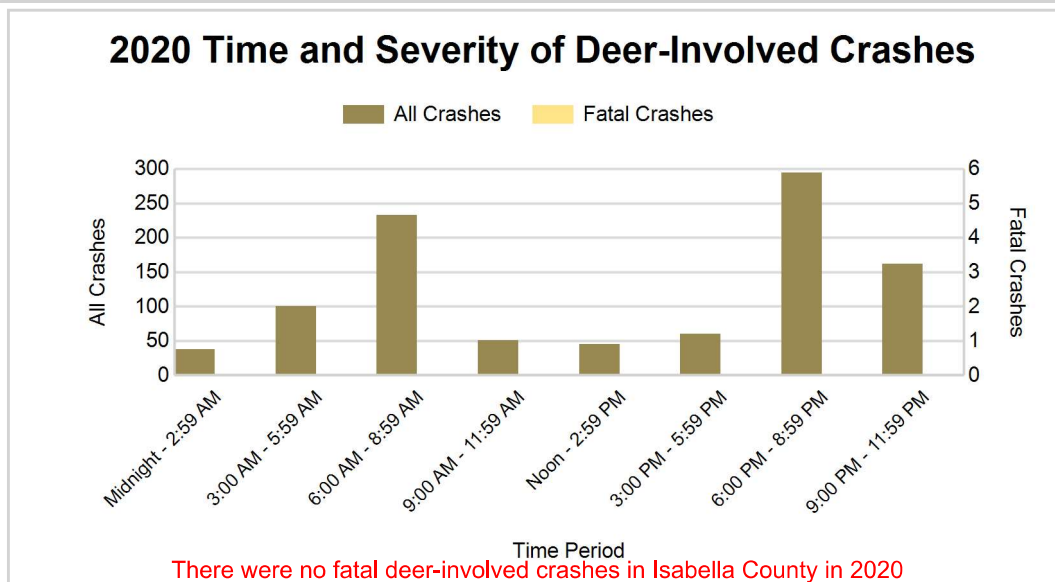
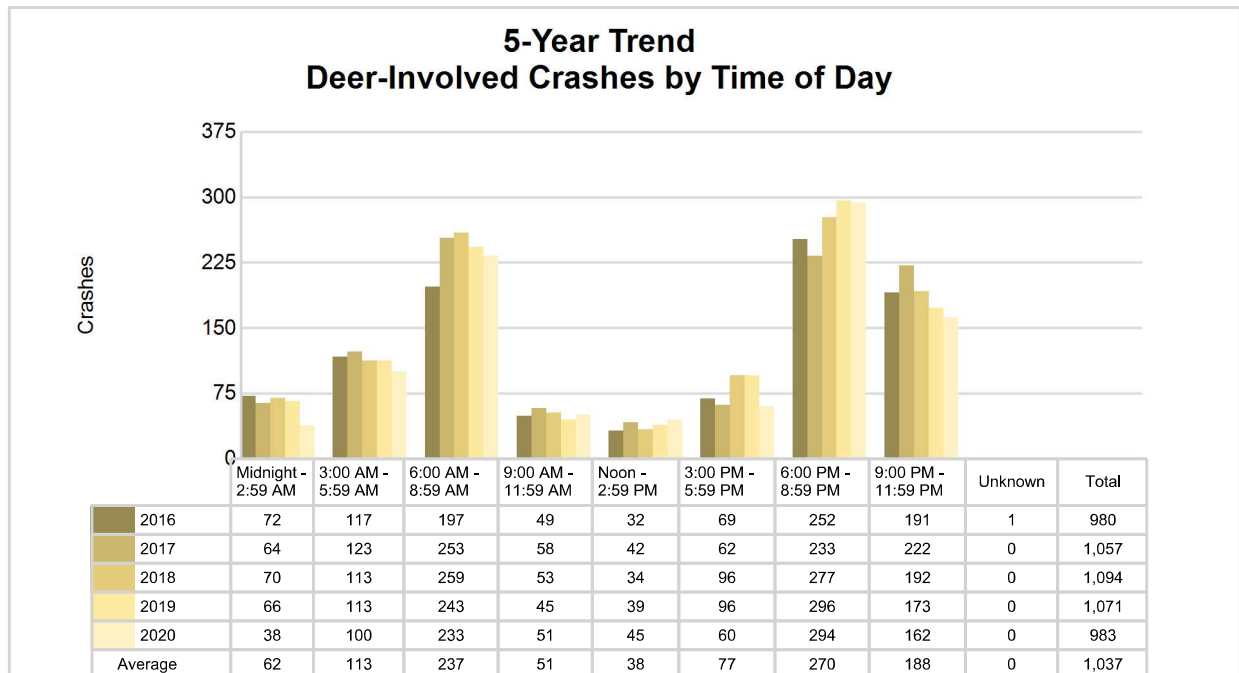




## 5-Year Trend - Deer-Involved Crashes by Time of Day

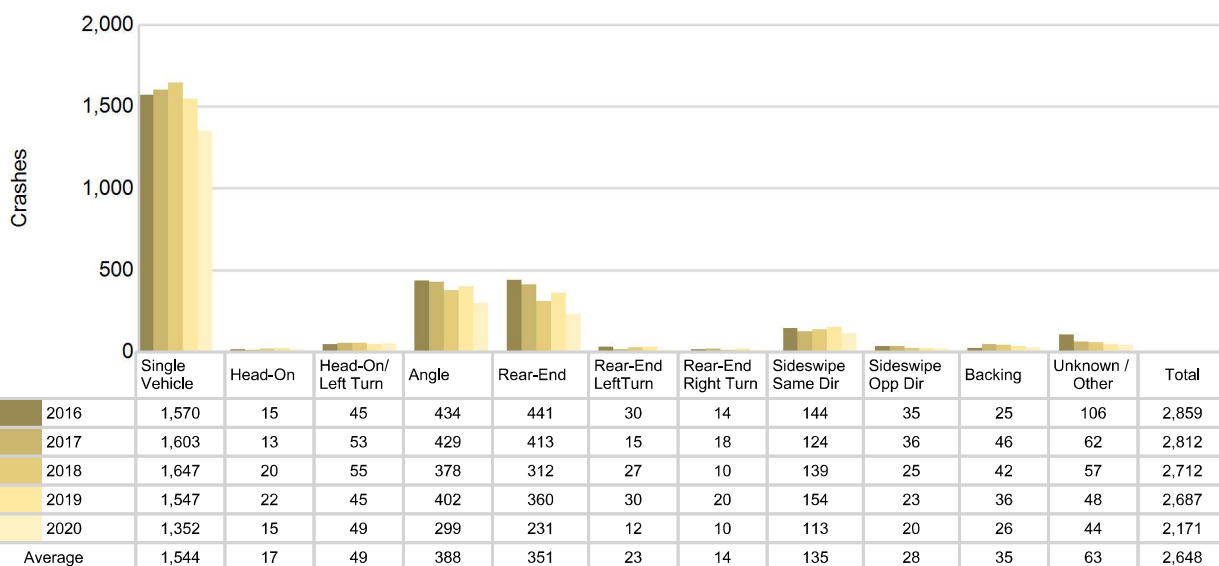
Time of Day	2016		2017		2018		2019		2020	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	72	0	64	0	70	0	66	0	38	0
3:00 AM - 5:59 AM	117	0	123	0	113	0	113	0	100	0
6:00 AM - 8:59 AM	197	0	253	0	259	0	243	0	233	0
9:00 AM - 11:59 AM	49	0	58	0	53	0	45	0	51	0
Noon - 2:59 PM	32	0	42	0	34	0	39	0	45	0
3:00 PM - 5:59 PM	69	0	62	0	96	0	96	0	60	0
6:00 PM - 8:59 PM	252	0	233	0	277	0	296	0	294	0
9:00 PM - 11:59 PM	191	0	222	0	192	0	173	0	162	0
Unknown	1	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>980</b>	<b>0</b>	<b>1,057</b>	<b>0</b>	<b>1,094</b>	<b>0</b>	<b>1,071</b>	<b>0</b>	<b>983</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	1,570	2	1,603	6	1,647	3	1,547	4	1,352	5
Head-on	15	0	13	1	20	0	22	2	15	1
Head-on / left turn	45	0	53	1	55	0	45	0	49	1
Angle	434	1	429	1	378	1	402	3	299	3
Rear-end	441	0	413	1	312	0	360	0	231	0
Rear-end left turn	30	0	15	0	27	1	30	0	12	0
Rear-end right turn	14	0	18	0	10	0	20	0	10	0
Sideswipe same direction	144	0	124	0	139	0	154	0	113	0
Sideswipe opposite direction	35	0	36	1	25	0	23	0	20	0
Backing	25	0	46	0	42	0	36	0	26	0
Other / Unknown	106	1	62	0	57	1	48	0	44	0
Uncoded and Errors	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>2,859</b>	<b>4</b>	<b>2,812</b>	<b>11</b>	<b>2,712</b>	<b>6</b>	<b>2,687</b>	<b>9</b>	<b>2,171</b>	<b>10</b>

5-Year Trend  
Crashes by Crash Type

# Isabella County (continued)

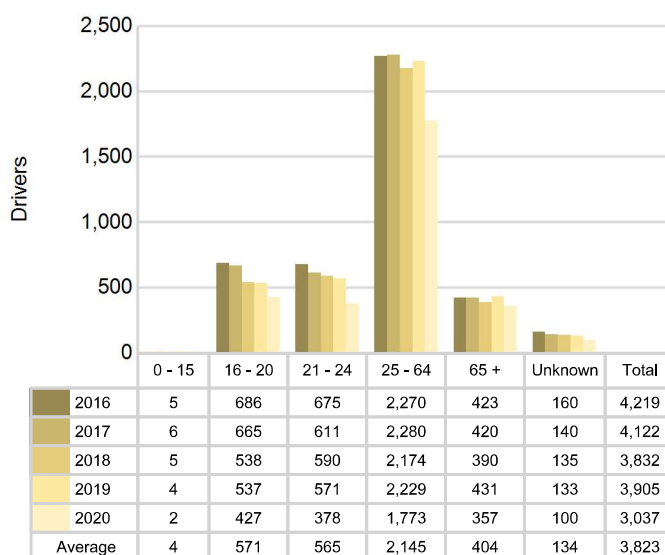
## 2020 - Reported Motor Vehicle Crashes by Municipality

Municipality	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Broomfield Twp.	103	0	9	94	0	0	49	53	1	1	78	0	18
Chippewa Twp.	145	1	21	123	0	6	46	93	7	1	67	1	24
Clare	3	0	1	2	0	3	0	0	0	0	0	0	1
Coe Twp.	121	2	17	102	0	69	0	52	3	2	61	2	22
Coldwater Twp.	37	1	1	35	0	0	0	37	0	1	30	1	3
Deerfield Twp.	162	0	11	151	0	0	65	96	3	0	116	0	17
Denver Twp.	25	0	5	20	0	0	0	25	1	0	15	0	12
Fremont Twp.	47	0	3	44	0	0	0	47	2	1	32	0	3
Gilmore Twp.	54	1	5	48	0	0	0	54	2	0	43	1	9
Isabella Twp.	81	1	15	65	0	40	0	41	1	2	38	1	24
Lake Isabella	11	0	1	10	0	0	0	11	0	0	8	0	2
Lincoln Twp.	103	1	10	92	0	0	0	103	2	0	71	1	15
Mt. Pleasant	472	0	75	397	0	199	51	220	13	3	25	0	97
Nottawa Twp.	74	0	7	67	0	0	0	74	3	1	42	0	12
Rolland Twp.	38	0	4	34	0	0	0	38	4	0	26	0	4
Rosebush	17	0	2	15	0	11	0	6	0	0	6	0	2
Shepherd	4	0	0	4	0	0	0	4	0	0	1	0	0
Sherman Twp.	62	0	7	55	0	0	0	62	5	3	39	0	9
Union Twp.	426	2	59	365	0	69	78	277	10	6	162	2	89
Vernon Twp.	112	1	9	102	0	63	0	49	1	1	72	1	12
Wise Twp.	74	0	7	67	0	35	0	39	4	2	51	0	10
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>2,171</b>	<b>10</b>	<b>269</b>	<b>1,892</b>	<b>0</b>	<b>495</b>	<b>289</b>	<b>1,381</b>	<b>62</b>	<b>24</b>	<b>983</b>	<b>10</b>	<b>385</b>

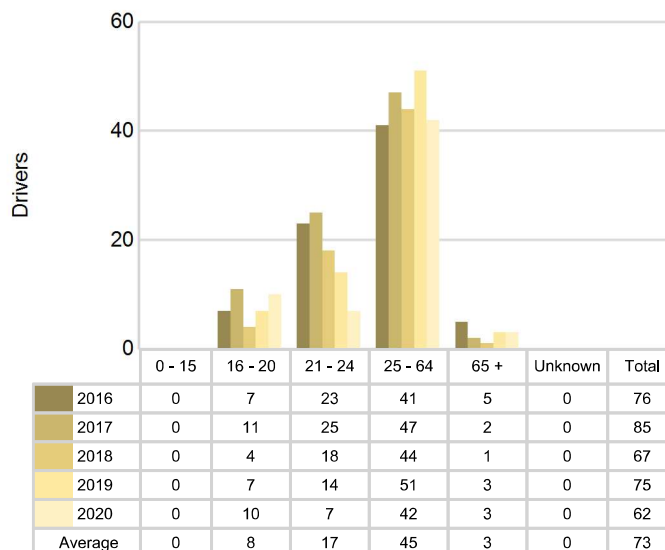
## 5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	5	0	6	0	5	0	4	0	2	0
16 - 20	686	7	665	11	538	4	537	7	427	10
21 - 24	675	23	611	25	590	18	571	14	378	7
25 - 64	2,270	41	2,280	47	2,174	44	2,229	51	1,773	42
65 +	423	5	420	2	390	1	431	3	357	3
Unknown	160	0	140	0	135	0	133	0	100	0
<b>Total</b>	<b>4,219</b>	<b>76</b>	<b>4,122</b>	<b>85</b>	<b>3,832</b>	<b>67</b>	<b>3,905</b>	<b>75</b>	<b>3,037</b>	<b>62</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	10	13	9	10	0	1	2	4	3
21 - 24	10	5	5	7	0	0	1	2	4
25 - 64	54	40	31	42	0	4	11	11	16
65 +	4	5	2	3	0	0	1	1	1
Unknown	4	0	0	0	0	0	0	0	0
<b>Total</b>	<b>82</b>	<b>63</b>	<b>47</b>	<b>62</b>	<b>0</b>	<b>5</b>	<b>15</b>	<b>18</b>	<b>24</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 82 drivers in alcohol-involved crashes; 62 (75.6%) of those drivers were coded as had-been-drinking by the officer on the crash form.

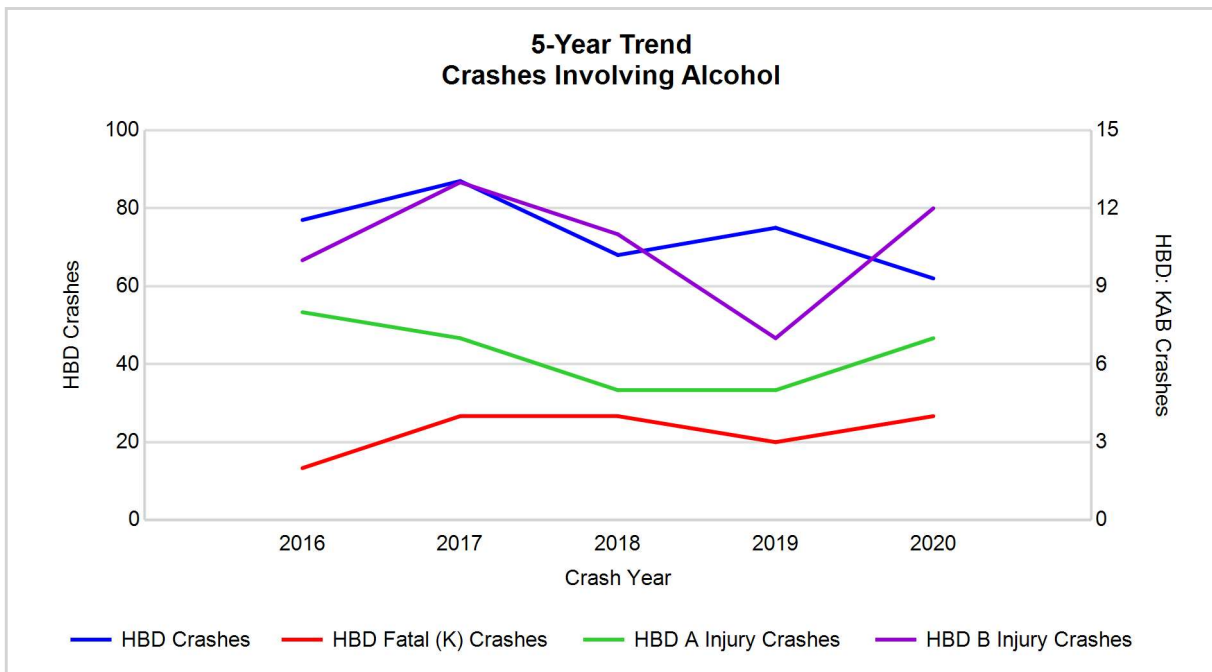
- 33 (53.2%) of the 62 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 18 (54.5%) of the 33 drivers had a BAC at or above 0.17 g/dL.
- 47 (75.8%) of the 62 drivers were coded as had-been-drinking and were tested for alcohol consumption.

## 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	2,859	77	2.7	4	2	50.0	37	8	21.6	131	10	7.6
2017	2,812	87	3.1	11	4	36.4	45	7	15.6	120	13	10.8
2018	2,712	68	2.5	6	4	66.7	44	5	11.4	123	11	8.9
2019	2,687	75	2.8	9	3	33.3	34	5	14.7	103	7	6.8
2020	2,171	62	2.9	10	4	40.0	37	7	18.9	75	12	16.0

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



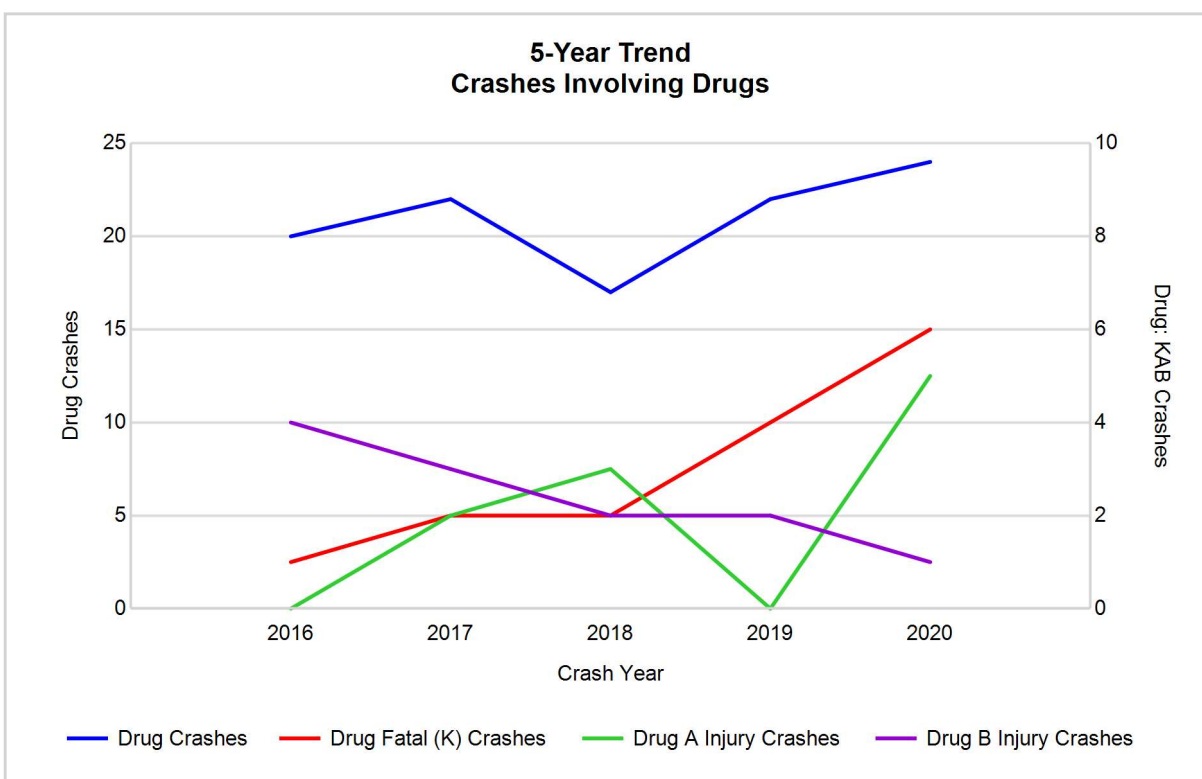
Note: Had-Been-Drinking (HBD)

## 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
2016	2,859	20	0.7	4	1	25.0	37	0	0.0	131	4	3.1
2017	2,812	22	0.8	11	2	18.2	45	2	4.4	120	3	2.5
2018	2,712	17	0.6	6	2	33.3	44	3	6.8	123	2	1.6
2019	2,687	22	0.8	9	4	44.4	34	0	0.0	103	2	1.9
2020	2,171	24	1.1	10	6	60.0	37	5	13.5	75	1	1.3*

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

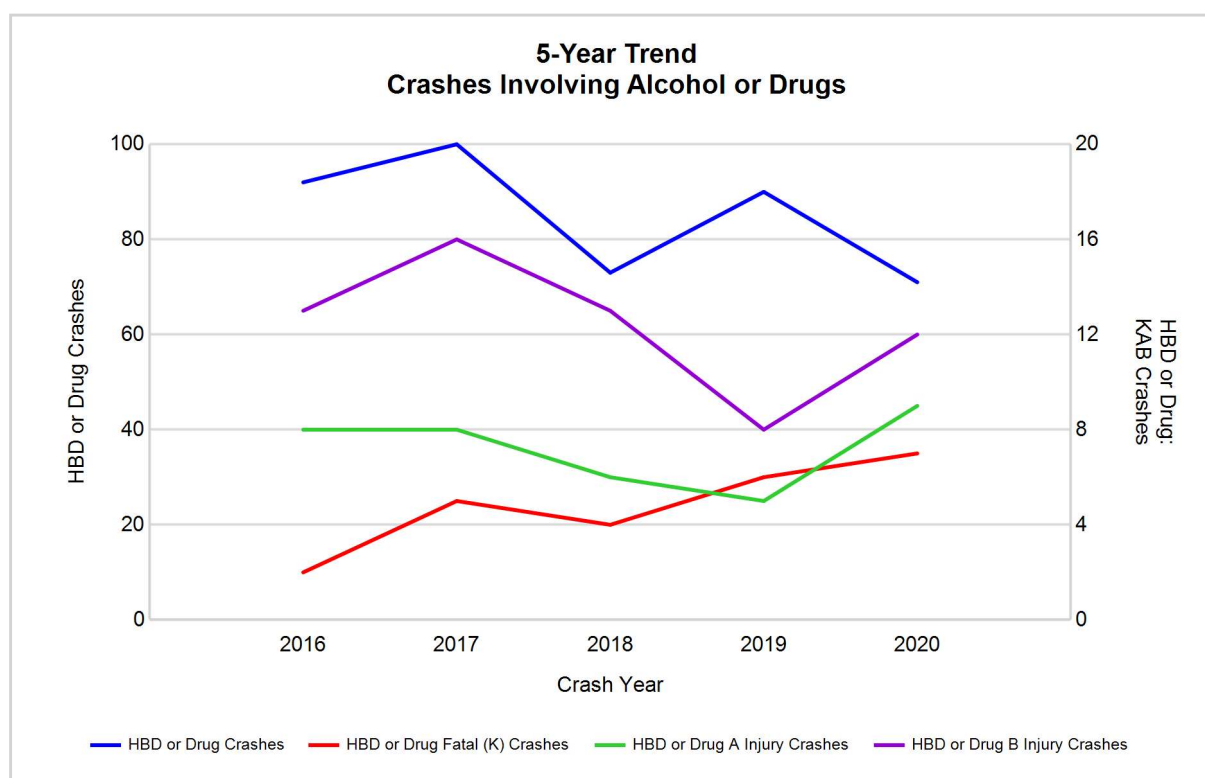


## 5-Year Trend - Crashes Involving Alcohol or Drugs

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	2,859	92	3.2	4	2	50.0	37	8	21.6	131	13	9.9
2017	2,812	100	3.6	11	5	45.5	45	8	17.8	120	16	13.3
2018	2,712	73	2.7	6	4	66.7	44	6	13.6	123	13	10.6
2019	2,687	90	3.3	9	6	66.7	34	5	14.7	103	8	7.8
2020	2,171	71	3.3	10	7	70.0	37	9	24.3	75	12	16.0

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)

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	2,366	2,251	95.1	7	1	14.3	26	18	69.2	67	62	92.5	193	183	94.8	2,022	1,987	98.3
Motor home	31	30	96.8	0	0	0.0	0	0	0.0	2	2	100.0	3	3	100.0	25	25	100.0
Pickup truck	580	549	94.7	1	0	0.0	13	10	76.9	19	18	94.7	25	25	100.0	508	496	97.6
Small truck under 10,000 lbs. GVWR	46	45	97.8	0	0	0.0	0	0	0.0	2	1	50.0	4	4	100.0	40	40	100.0
Motorcycle	15	11	73.3	2	1	50.0	4	3	75.0	4	2	50.0	2	2	100.0	3	3	100.0
Moped / goped	4	1	25.0	0	0	0.0	0	0	0.0	2	0	0.0	0	0	0.0	2	1	50.0
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	3	60.0	0	0	0.0	3	2	66.7	1	1	100.0	1	0	0.0	0	0	0.0
Other	5	2	40.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	2	40.0
Truck/bus over 10,000 lbs.	64	55	85.9	0	0	0.0	1	1	100.0	1	0	0.0	3	2	66.7	54	52	96.3
Unknown	23	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Total	3,139	2,947	93.9	10	2	0.0	47	34	72.3	98	86	87.8	231	219	94.8	2,660	2,606	98.0

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	2	2	100.0	3	3	100.0	12	11	91.7	1	1	100.0
16 - 20	456	441	96.7	3	1	33.3	6	2	33.3	26	25	96.2	47	46	97.9	374	367	98.1
21 - 24	388	375	96.6	1	0	0.0	8	3	37.5	11	9	81.8	25	24	96.0	343	339	98.8
25 - 64	1,808	1,754	97.0	5	0	0.0	26	22	84.6	48	40	83.3	109	103	94.5	1,616	1,589	98.3
65 +	369	359	97.3	1	1	100.0	5	5	100.0	10	9	90.0	38	35	92.1	315	309	98.1
Unknown	100	1	1.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	11	1	9.1
Total	3,139	2,947	93.9	10	2	0.0	47	34	72.3	98	86	87.8	231	219	94.8	2,660	2,606	98.0

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	10	0	2	10	0	2	2	0	0	9	0	1	12	0	1
Shoulder belt only used	5	0	1	5	0	0	13	0	1	6	0	1	9	0	0
Lap belt only used	4	0	0	3	0	1	2	0	0	5	0	0	9	0	3
Both lap & shoulder belts used	3,882	1	319	3,804	3	321	3,548	2	316	3,643	7	280	2,826	1	238
No belts used	18	2	6	25	2	15	20	2	11	23	2	13	27	5	13
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	253	0	17	252	2	16	219	0	13	204	0	8	133	2	5
Helmet worn	17	0	11	12	0	9	20	1	13	3	0	2	14	1	9
Helmet not worn	15	1	5	9	0	8	8	0	8	11	0	9	6	1	4
Helmet use unknown	0	0	0	2	0	2	0	0	0	1	0	1	1	0	1
Uncoded & errors	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4,219</b>	<b>4</b>	<b>361</b>	<b>4,122</b>	<b>7</b>	<b>374</b>	<b>3,832</b>	<b>5</b>	<b>362</b>	<b>3,905</b>	<b>9</b>	<b>315</b>	<b>3,037</b>	<b>10</b>	<b>274</b>

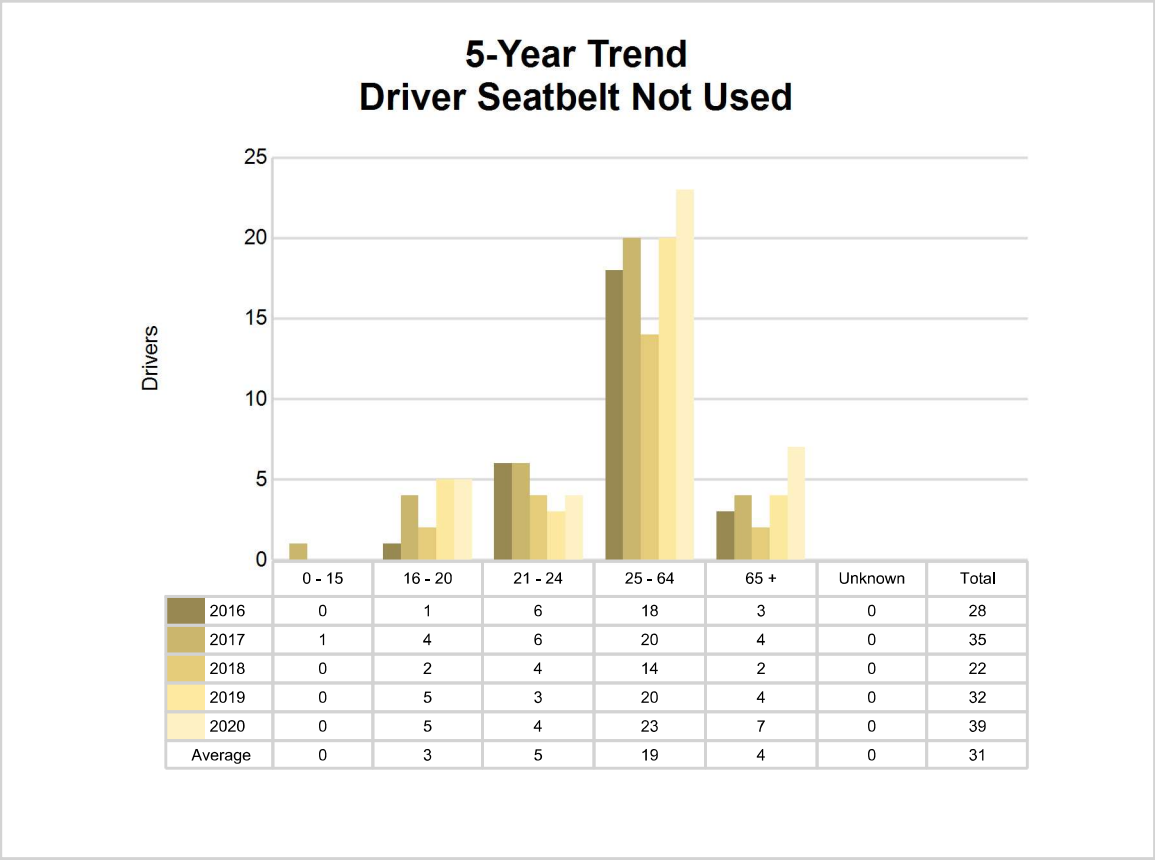
## 5-Year Trend - Restraint Use Among Drivers Coded Drinking

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	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Shoulder belt only used	0	0	0	1	0	0	2	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	56	1	11	61	0	12	43	0	13	57	2	6	44	1	13
No belts used	4	0	3	6	0	4	5	2	3	7	1	4	9	3	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	14	0	4	13	2	4	14	0	4	11	0	2	7	0	1
Helmet worn	0	0	0	2	0	1	2	1	1	0	0	0	0	0	0
Helmet not worn	1	1	0	2	0	2	1	0	1	0	0	0	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>76</b>	<b>2</b>	<b>19</b>	<b>85</b>	<b>2</b>	<b>23</b>	<b>67</b>	<b>3</b>	<b>22</b>	<b>75</b>	<b>3</b>	<b>12</b>	<b>62</b>	<b>4</b>	<b>19</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	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
16 - 20	1	0	0	4	0	3	2	1	1	5	0	0	5	1	1
21 - 24	6	0	1	6	0	3	4	0	4	3	0	2	4	0	2
25 - 64	18	2	7	20	2	10	14	1	5	20	2	11	23	4	7
65 +	3	0	0	4	0	0	2	0	1	4	0	1	7	0	4
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	28	2	8	35	2	17	22	2	11	32	2	14	39	5	14

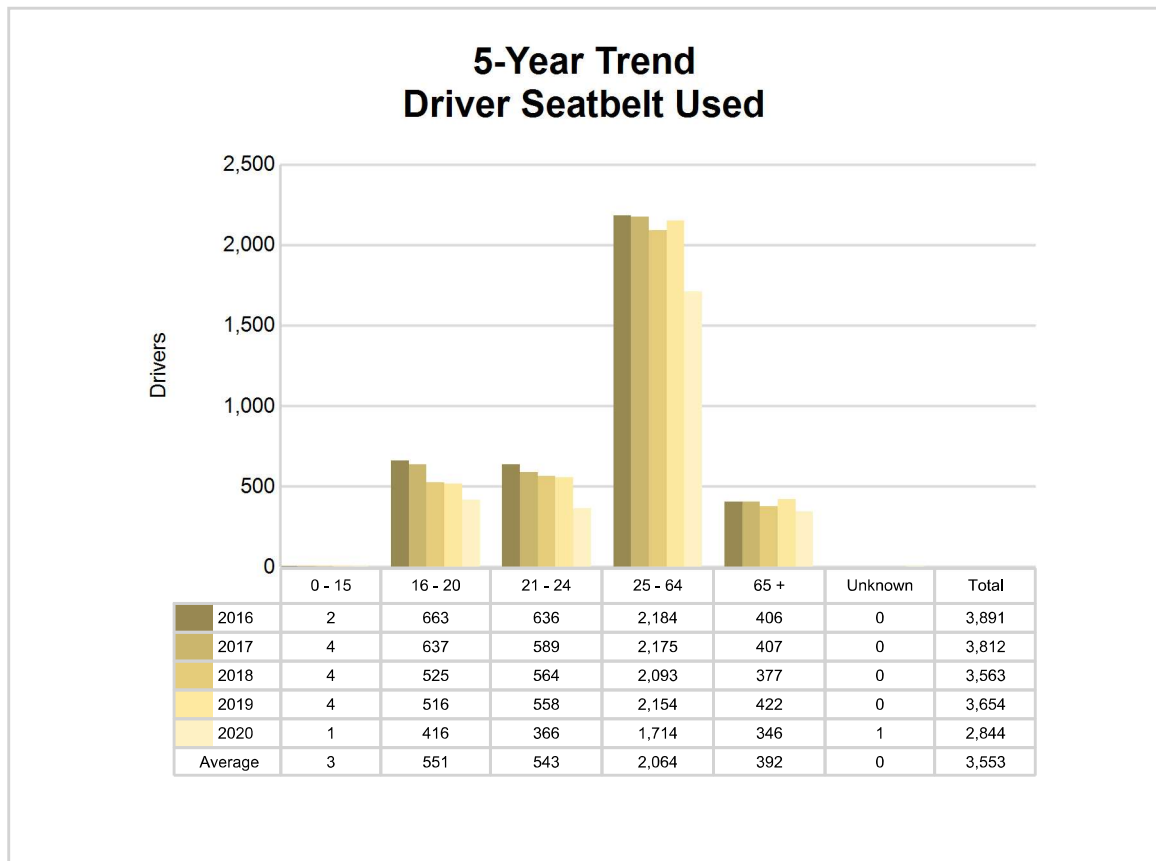
Note: Seatbelt Not Used includes no belts available or no belts used.



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

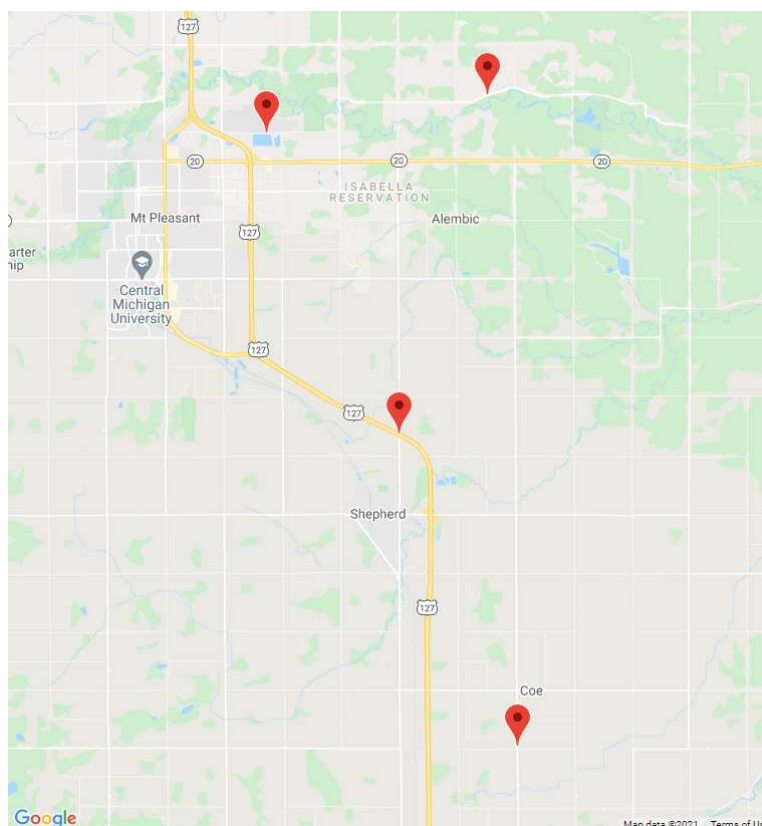
Age Group	2016			2017			2018			2019			2020		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	2	0	1	4	0	0	4	0	0	4	0	0	1	0	0
16 - 20	663	0	61	637	1	58	525	0	55	516	1	49	416	1	48
21 - 24	636	1	46	589	1	51	564	0	35	558	1	36	366	0	27
25 - 64	2,184	0	180	2,175	0	179	2,093	0	172	2,154	4	159	1,714	0	129
65 +	406	0	32	407	1	34	377	2	55	422	1	37	346	0	37
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<b>Total</b>	<b>3,891</b>	<b>1</b>	<b>320</b>	<b>3,812</b>	<b>3</b>	<b>322</b>	<b>3,563</b>	<b>2</b>	<b>317</b>	<b>3,654</b>	<b>7</b>	<b>281</b>	<b>2,844</b>	<b>1</b>	<b>241</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	2,521	2	2,480	7	2,344	5	2,397	6	1,927	7
Speed too fast	324	1	304	2	343	3	288	2	174	2
Speed too slow	2	0	2	0	1	0	0	0	2	0
Failed to yield	414	0	430	3	392	0	388	2	308	1
Disregard traffic control	73	1	81	1	80	1	61	0	48	1
Drove wrong way	2	0	1	0	0	0	3	0	1	0
Drove left of center	19	0	19	1	11	0	21	2	16	0
Improper passing	14	0	12	0	17	0	14	0	16	0
Improper lane use	59	0	49	0	55	0	72	0	46	0
Improper turn	48	0	52	0	26	0	41	0	18	0
Improper/no signal	6	0	3	0	2	0	1	0	3	0
Improper backing	54	0	47	0	43	0	35	0	31	0
Unable to stop in assured clear distance	415	0	370	1	278	0	332	1	200	0
Other	105	2	107	0	72	0	72	1	62	0
Unknown	69	0	73	2	55	0	61	0	54	2
Reckless driving	15	0	10	0	17	1	17	0	16	0
Careless/negligent driving	79	0	82	0	96	1	102	1	115	4
Uncoded & errors	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4,219</b>	<b>6</b>	<b>4,122</b>	<b>17</b>	<b>3,832</b>	<b>11</b>	<b>3,905</b>	<b>15</b>	<b>3,037</b>	<b>17</b>



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

In 2020, there were 62 alcohol-involved crashes in Isabella County:

- 4 K - Fatal Crashes
- 7 A - Suspected Serious Injury Crashes
- 12 B - Suspected Minor Injury Crashes
- 4 C - Possible Injury Crashes
- 35 O - Property Damage Only/No Injury Crashes

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