



2023

# Michigan Traffic Crash Facts

**MTCF**  
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

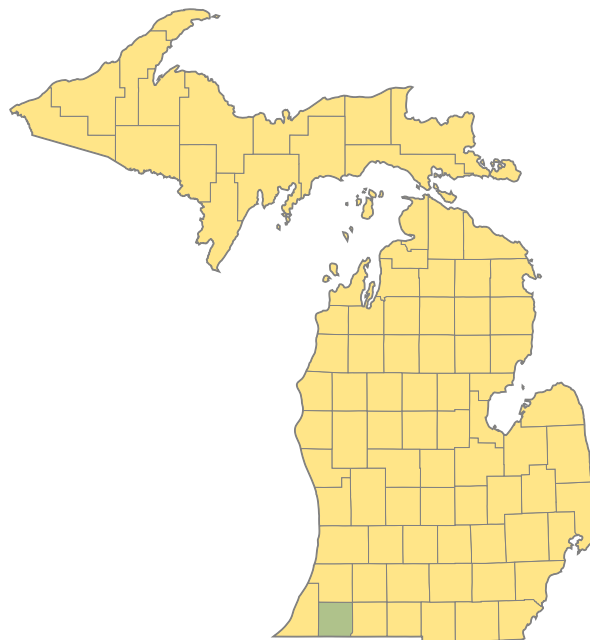
O = No Injury

Property Damage Only (PDO)



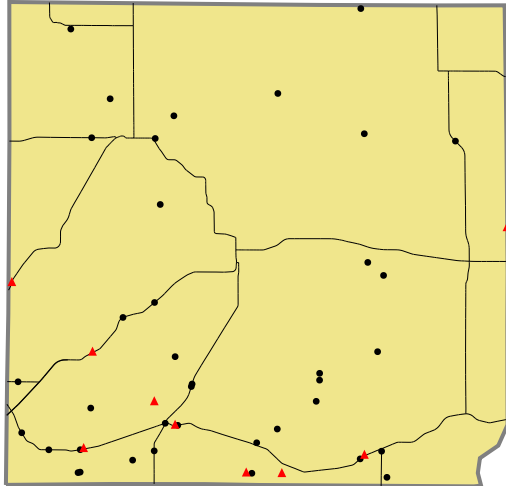
## Cass County

### 2023 Traffic Crash Data & 2019-2023 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.



Crashes by most severe injury (mapped/actual)

▲ K - Fatal (9/9)

● A - Suspected Serious (38/38)

### 2023 - Crashes and Injury by Month

Month	Crashes				People	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	136	1	20	115	1	24
February	104	1	9	94	1	14
March	145	1	18	126	1	30
April	80	0	10	70	0	16
May	97	0	13	84	0	21
June	107	1	21	85	1	28
July	101	0	16	85	0	19
August	96	2	25	69	2	37
September	109	1	23	85	1	36
October	130	1	18	111	1	25
November	194	1	9	184	1	10
December	142	0	9	133	0	13
<b>Total</b>	<b>1,441</b>	<b>9</b>	<b>191</b>	<b>1,241</b>	<b>9</b>	<b>273</b>

### 2023 - Driver Statistics

Age Group	Cass County			Driver Rates	
	2023 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	8,990	222	2	2.2	90.1
16 - 17	1,346	800	68	505.2	850.0
18 - 24	3,940	3,441	280	710.7	813.7
25 - 44	11,354	10,392	701	617.4	674.6
45 - 64	14,102	13,037	524	371.6	401.9
65 +	11,910	11,574	238	199.8	205.6
Unknown	0	0	64	--	--
<b>Total</b>	<b>51,642</b>	<b>39,466</b>	<b>1,877</b>	<b>363.5</b>	<b>475.6</b>

### 2023 - 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	1,426	76.0	7	58.3	207	1,212
Motor Home	3	0.2	0	0.0	1	2
Pickup Truck	330	17.6	1	8.3	40	289
Small Truck Under 10,000 lbs. GVWR	6	0.3	1	8.3	1	4
Motorcycle	33	1.8	3	25.0	23	7
Moped/Goped	1	0.1	0	0.0	1	0
Go-Cart/Golf Cart	2	0.1	0	0.0	2	0
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	3	0.2	0	0.0	3	0
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	8	0.4	0	0.0	4	4
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	42	2.2	0	0.0	9	33
Uncoded & Errors	23	1.2	0	0.0	1	22
<b>Total</b>	<b>1,877</b>	<b>100.0</b>	<b>12</b>	<b>100.0</b>	<b>292</b>	<b>1,573</b>

## 5-Year Trend - Crashes by Month

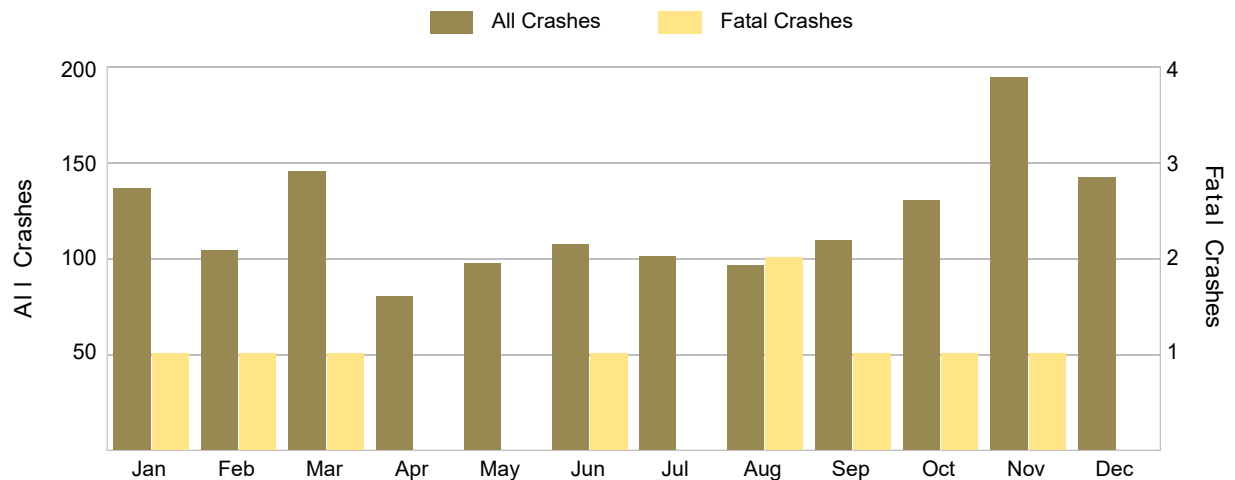
Month	2019		2020		2021		2022		2023	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	201	2	149	0	178	3	175	0	136	1
February	135	2	171	0	141	1	193	1	104	1
March	95	0	76	0	98	2	124	0	145	1
April	91	0	65	0	105	1	82	3	80	0
May	81	0	95	1	110	0	118	2	97	0
June	91	0	125	2	127	0	115	1	107	1
July	139	2	93	0	123	1	114	0	101	0
August	94	0	113	3	95	2	102	1	96	2
September	119	1	105	1	120	1	109	1	109	1
October	156	0	149	0	168	3	168	2	130	1
November	208 †	1	176 †	2	199 †	1	227 †	0	194 †	1
December	146	0	122	0	161	1	177	3	142	0
<b>Total</b>	<b>1,556</b>	<b>8</b>	<b>1,439</b>	<b>9</b>	<b>1,625</b>	<b>16</b>	<b>1,704</b>	<b>14</b>	<b>1,441</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	2019		2020		2021		2022		2023	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	235	2	210	3	246	4	249	1	178	1
Tuesday	265	1	195	0	239	1	250	0	228	3
Wednesday	244	0	245	2	222	0	264	5	203	0
Thursday	234	0	183	1	241	2	214	1	246	2
Friday	232	2	247	0	289	7	278	3	236	1
Saturday	168	2	211	2	217	0	257	2	196	0
Sunday	178	1	148	1	171	2	192	2	154	2
<b>Total</b>	<b>1,556</b>	<b>8</b>	<b>1,439</b>	<b>9</b>	<b>1,625</b>	<b>16</b>	<b>1,704</b>	<b>14</b>	<b>1,441</b>	<b>9</b>

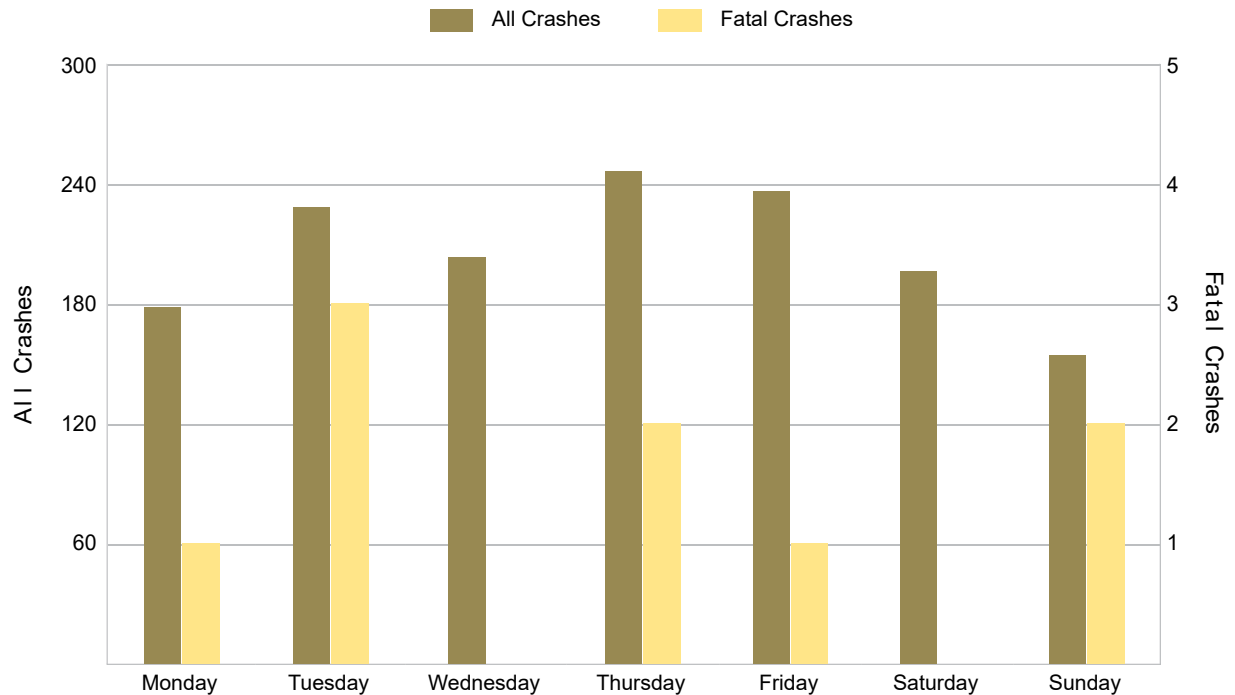
## 2023 Crashes by Month



## 2023 - Crashes by Day of Week

Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Fatal	% of Fatal	A	B	C	Number
Monday	178	12.4	1	11.1	7	8	8	154
Tuesday	228	15.8	3	33.3	2	13	14	196
Wednesday	203	14.1	0	0.0	2	7	11	183
Thursday	246	17.1	2	22.2	7	14	17	206
Friday	236	16.4	1	11.1	6	11	17	201
Saturday	196	13.6	0	0.0	10	10	11	165
Sunday	154	10.7	2	22.2	4	4	8	136
<b>Total</b>	<b>1,441</b>	<b>100.0</b>	<b>9</b>	<b>100.0</b>	<b>38</b>	<b>67</b>	<b>86</b>	<b>1,241</b>

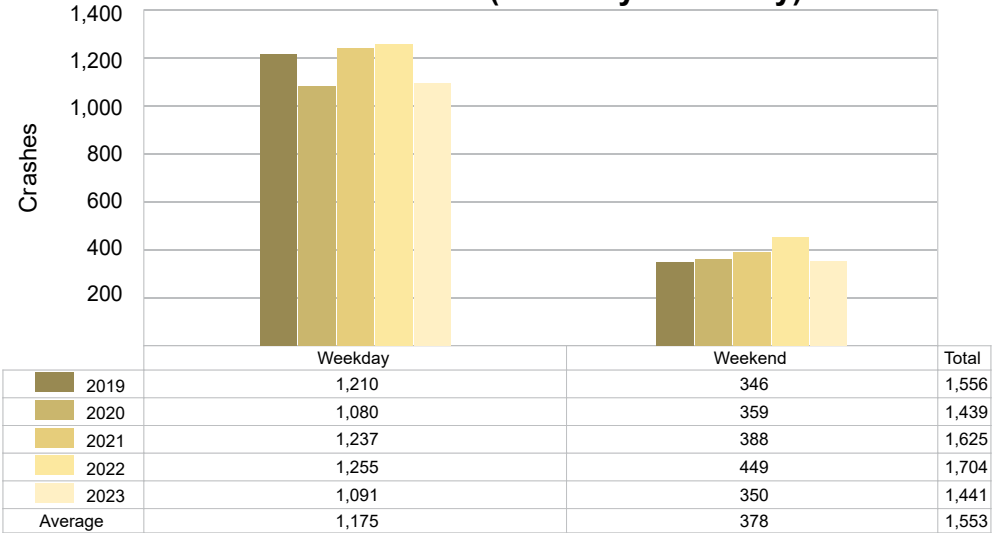
## 2023 Day of Week and Severity



5-Year Trend - Crashes by Weekday and Weekend

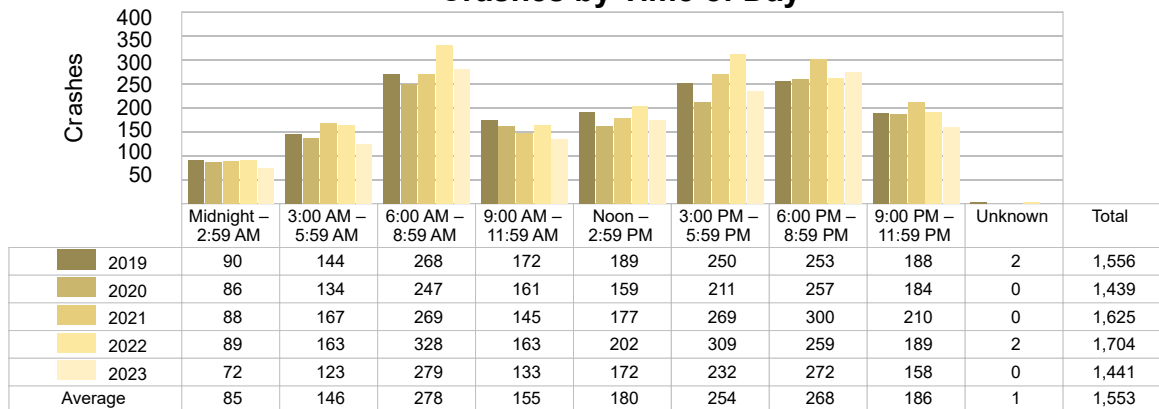
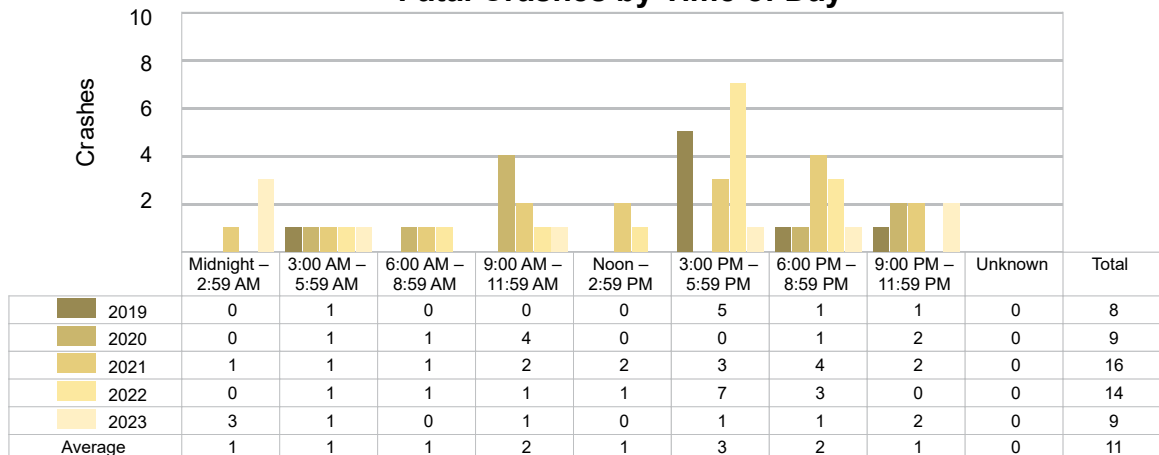
Portion of Week	2019		2020		2021		2022		2023	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	1,210	5	1,080	6	1,237	14	1,255	10	1,091	7
Weekend	346	3	359	3	388	2	449	4	350	2
Total	1,556	8	1,439	9	1,625	16	1,704	14	1,441	9

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



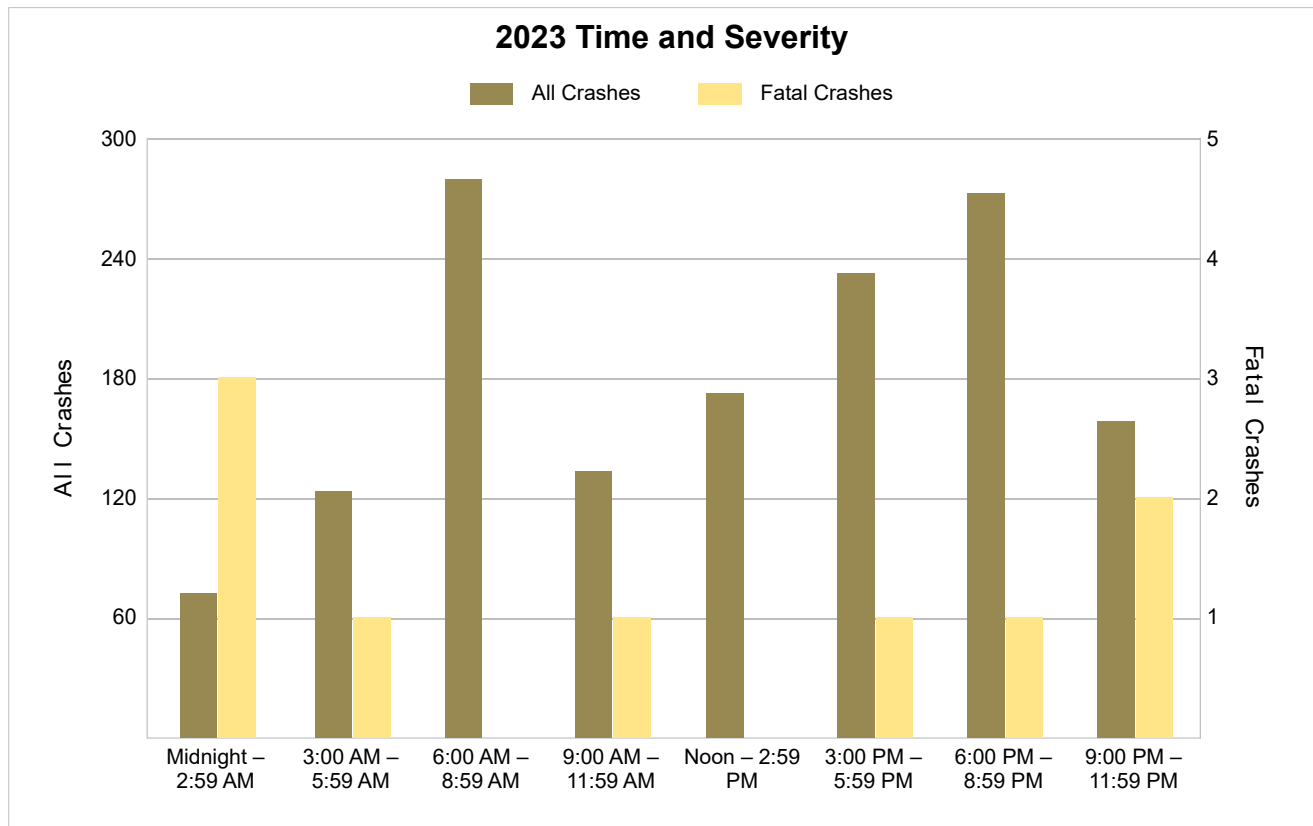
## 5-Year Trend - Crashes by Time of Day

Time of Day	2019		2020		2021		2022		2023	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight – 2:59 AM	90	0	86	0	88	1	89	0	72	3
3:00 AM – 5:59 AM	144	1	134	1	167	1	163	1	123	1
6:00 AM – 8:59 AM	268	0	247	1	269	1	328	1	279	0
9:00 AM – 11:59 AM	172	0	161	4	145	2	163	1	133	1
Noon – 2:59 PM	189	0	159	0	177	2	202	1	172	0
3:00 PM – 5:59 PM	250	5	211	0	269	3	309	7	232	1
6:00 PM – 8:59 PM	253	1	257	1	300	4	259	3	272	1
9:00 PM – 11:59 PM	188	1	184	2	210	2	189	0	158	2
Unknown	2	0	0	0	0	0	2	0	0	0
<b>Total</b>	<b>1,556</b>	<b>8</b>	<b>1,439</b>	<b>9</b>	<b>1,625</b>	<b>16</b>	<b>1,704</b>	<b>14</b>	<b>1,441</b>	<b>9</b>

5-Year Trend  
Crashes by Time of Day5-Year Trend  
Fatal Crashes by Time of Day

## 2023 - Time and Severity

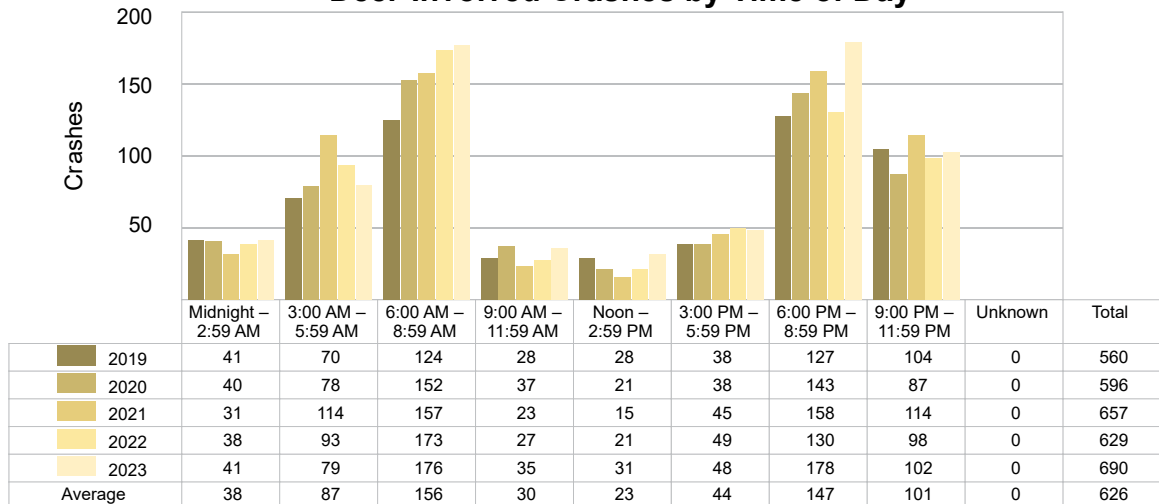
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight – 2:59 AM	72	5.0	3	33.3	2	5	4	58
3:00 AM – 5:59 AM	123	8.5	1	11.1	5	4	9	104
6:00 AM – 8:59 AM	279	19.4	0	0.0	6	7	11	255
9:00 AM – 11:59 AM	133	9.2	1	11.1	6	6	7	113
Noon – 2:59 PM	172	11.9	0	0.0	3	18	14	137
3:00 PM – 5:59 PM	232	16.1	1	11.1	9	11	18	193
6:00 PM – 8:59 PM	272	18.9	1	11.1	4	8	15	244
9:00 PM – 11:59 PM	158	11.0	2	22.2	3	8	8	137
Unknown	0	0.0	0	0.0	0	0	0	0
<b>Total</b>	<b>1,441</b>	<b>100.0</b>	<b>9</b>	<b>100.0</b>	<b>38</b>	<b>67</b>	<b>86</b>	<b>1,241</b>



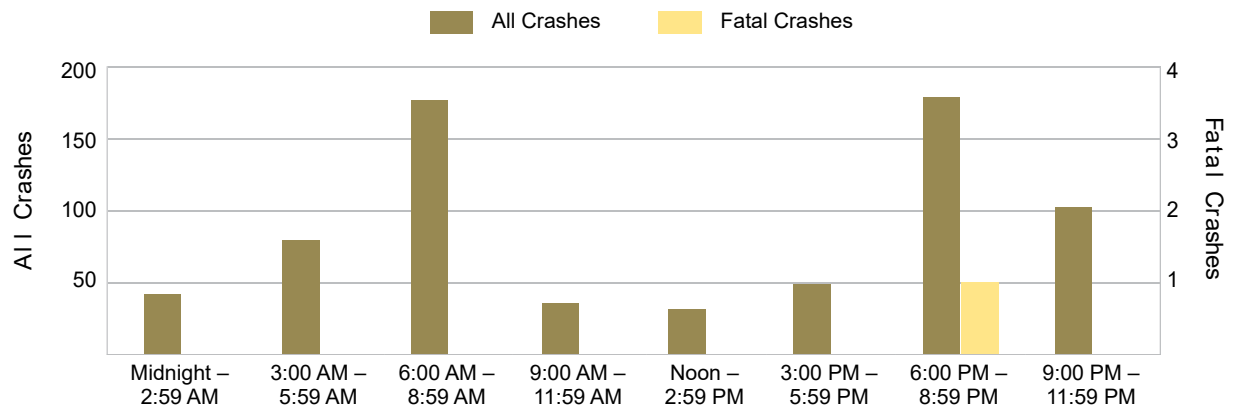
## 5-Year Trend - Deer-Involved Crashes by Time of Day

Time of Day	2019		2020		2021		2022		2023	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight – 2:59 AM	41	0	40	0	31	0	38	0	41	0
3:00 AM – 5:59 AM	70	0	78	0	114	0	93	0	79	0
6:00 AM – 8:59 AM	124	0	152	0	157	0	173	0	176	0
9:00 AM – 11:59 AM	28	0	37	0	23	0	27	0	35	0
Noon – 2:59 PM	28	0	21	0	15	0	21	0	31	0
3:00 PM – 5:59 PM	38	0	38	0	45	0	49	0	48	0
6:00 PM – 8:59 PM	127	0	143	0	158	0	130	0	178	1
9:00 PM – 11:59 PM	104	0	87	0	114	0	98	0	102	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>560</b>	<b>0</b>	<b>596</b>	<b>0</b>	<b>657</b>	<b>0</b>	<b>629</b>	<b>0</b>	<b>690</b>	<b>1</b>

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



### 2023 Time and Severity of Deer-Involved Crashes

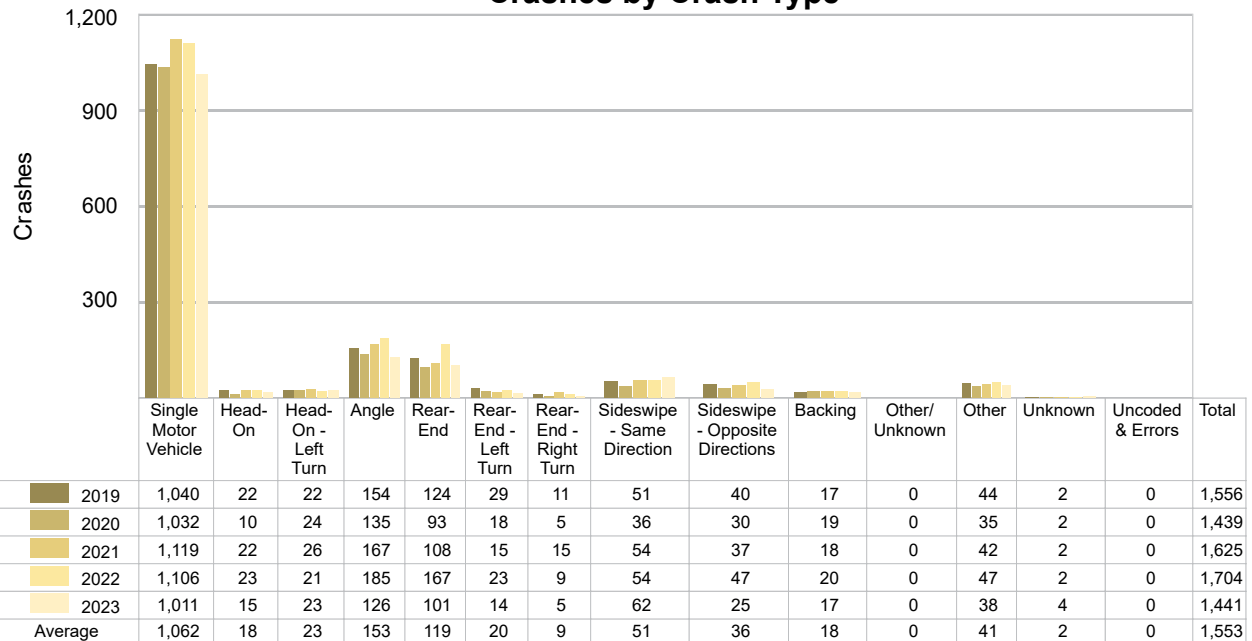




## 5-Year Trend - Crashes by Crash Type

Crash Type	2019		2020		2021		2022		2023	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Single Motor Vehicle	1,040	4	1,032	7	1,119	7	1,106	5	1,011	7
Head-On	22	1	10	0	22	7	23	4	15	2
Head-On - Left Turn	22	0	24	0	26	0	21	0	23	0
Angle	154	2	135	2	167	1	185	0	126	0
Rear-End	124	0	93	0	108	0	167	2	101	0
Rear-End - Left Turn	29	0	18	0	15	0	23	0	14	0
Rear-End - Right Turn	11	0	5	0	15	0	9	0	5	0
Sideswipe - Same Direction	51	0	36	0	54	1	54	2	62	0
Sideswipe - Opposite Directions	40	0	30	0	37	0	47	0	25	0
Backing	17	0	19	0	18	0	20	0	17	0
Other/Unknown	0	0	0	0	0	0	0	0	0	0
Other	44	1	35	0	42	0	47	1	38	0
Unknown	2	0	2	0	2	0	2	0	4	0
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1,556</b>	<b>8</b>	<b>1,439</b>	<b>9</b>	<b>1,625</b>	<b>16</b>	<b>1,704</b>	<b>14</b>	<b>1,441</b>	<b>9</b>

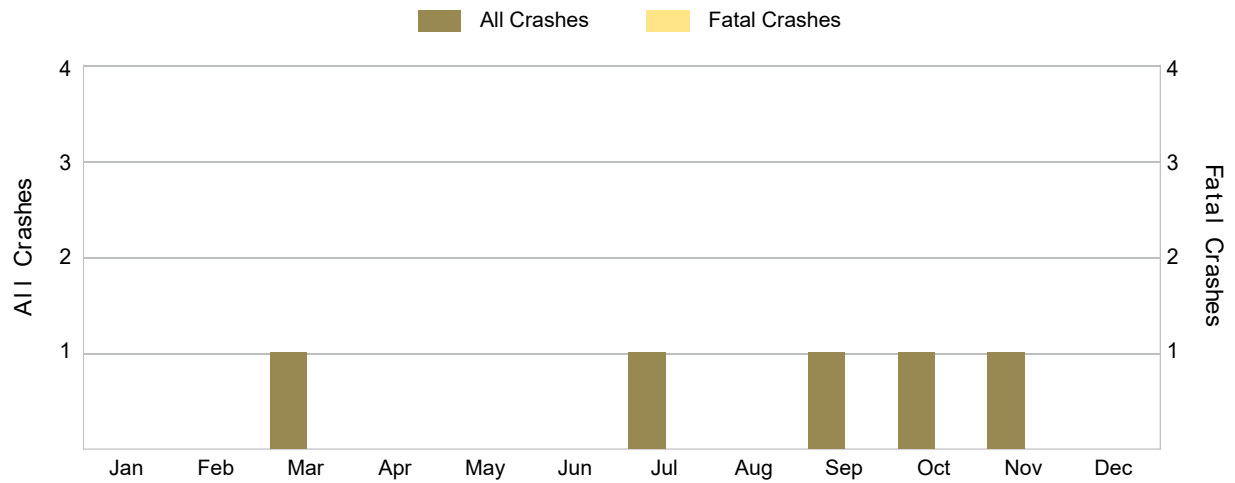
## 5-Year Trend Crashes by Crash Type



## 5-Year Trend - Pedestrian-Involved Crashes by Month

Month	2019		2020		2021		2022		2023	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	1	0	1	0	1	1	0	0	0	0
February	1	1	0	0	1	0	0	0	0	0
March	1	0	0	0	0	0	0	0	1	0
April	1	0	1	0	1	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	1	0	0	0
July	0	0	0	0	0	0	0	0	1	0
August	1	0	0	0	0	0	0	0	0	0
September	1	0	1	0	0	0	0	0	1	0
October	0	0	0	0	1	0	0	0	1	0
November	0	0	1	1	1	0	0	0	1	0
December	0	0	0	0	1	0	0	0	0	0
<b>Total</b>	<b>6</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>0</b>

## 2023 Pedestrian-Involved Crashes by Month

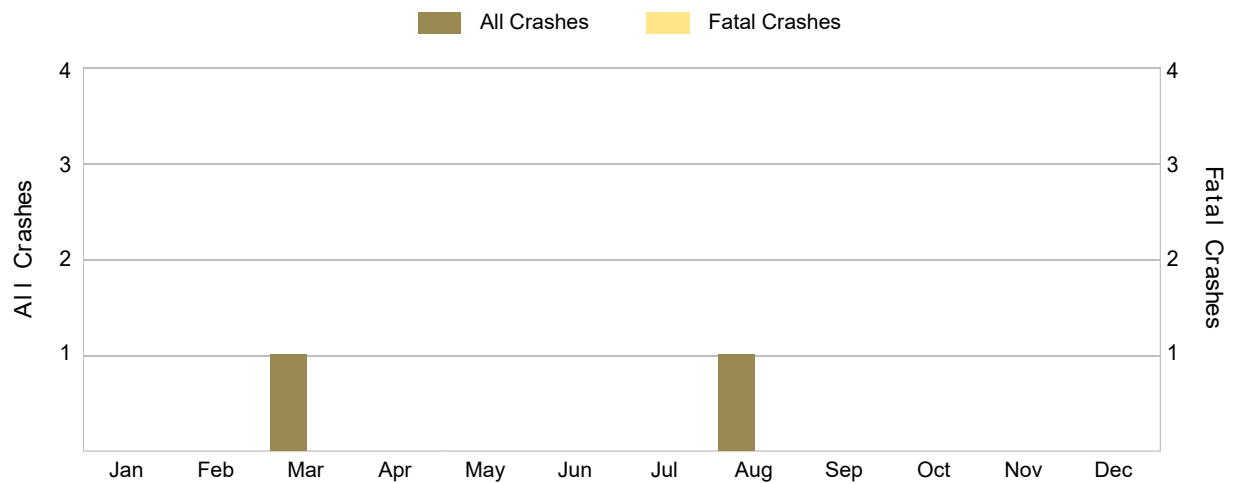


There were no fatal pedestrian-involved crashes in Cass County in 2023.

## 5-Year Trend - Bicyclist-Involved Crashes by Month

Month	2019		2020		2021		2022		2023	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	0	0	1	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	1	0
April	1	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0
June	1	0	0	0	0	0	0	0	0	0
July	1	0	0	0	1	0	1	0	0	0
August	0	0	1	0	0	0	2	0	1	0
September	0	0	0	0	0	0	1	0	0	0
October	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>0</b>

## 2023 Bicyclist-Involved Crashes by Month



There were no fatal bicyclist-involved crashes in Cass County in 2023.

## 2023 - Reported Motor Vehicle Crashes by Municipality

Municipality	Crashes												
	Total	Fatal	Injury	Property Damage	Inter-State	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Pedestrian-Involved	Bicyclist-Involved
Calvin Twp.	64	0	11	53	0	0	0	64	1	0	42	0	0
Cassopolis	8	0	1	7	0	0	7	1	0	0	2	0	0
Dowagiac	79	0	11	68	0	0	39	40	1	0	5	1	1
Edwardsburg	11	0	1	10	0	4	3	4	0	0	0	0	0
Howard Twp.	114	2	22	90	0	0	60	54	4	2	54	0	0
Jefferson Twp.	112	1	17	94	0	0	45	67	5	1	65	0	0
LaGrange Twp.	108	0	8	100	0	0	41	67	4	1	57	0	0
Marcellus	2	0	0	2	0	0	1	1	0	0	0	0	0
Marcellus Twp.	41	0	3	38	0	0	20	21	1	0	25	0	0
Mason Twp.	79	2	6	71	0	30	0	49	5	2	30	0	0
Milton Twp.	162	1	28	133	0	60	11	91	9	3	63	1	1
Newberg Twp.	63	1	4	58	0	0	34	29	2	2	41	0	0
Niles	0	0	0	0	0	0	0	0	0	0	0	0	0
Ontwa Twp.	142	2	33	107	0	38	28	76	6	1	45	1	0
Penn Twp.	62	0	2	60	0	0	27	35	1	0	43	0	0
Pokagon Twp.	94	0	6	88	0	0	35	59	3	0	57	0	0
Porter Twp.	118	0	19	99	0	37	24	57	4	2	54	2	0
Silver Creek Twp.	62	0	6	56	0	0	26	36	1	0	40	0	0
Vandalia	2	0	0	2	0	0	2	0	0	0	2	0	0
Volinia Twp.	46	0	5	41	0	0	0	46	0	0	26	0	0
Wayne Twp.	72	0	8	64	0	0	20	52	3	0	39	0	0
<b>Total</b>	<b>1,441</b>	<b>9</b>	<b>191</b>	<b>1,241</b>	<b>0</b>	<b>169</b>	<b>423</b>	<b>849</b>	<b>50</b>	<b>14</b>	<b>690</b>	<b>5</b>	<b>2</b>

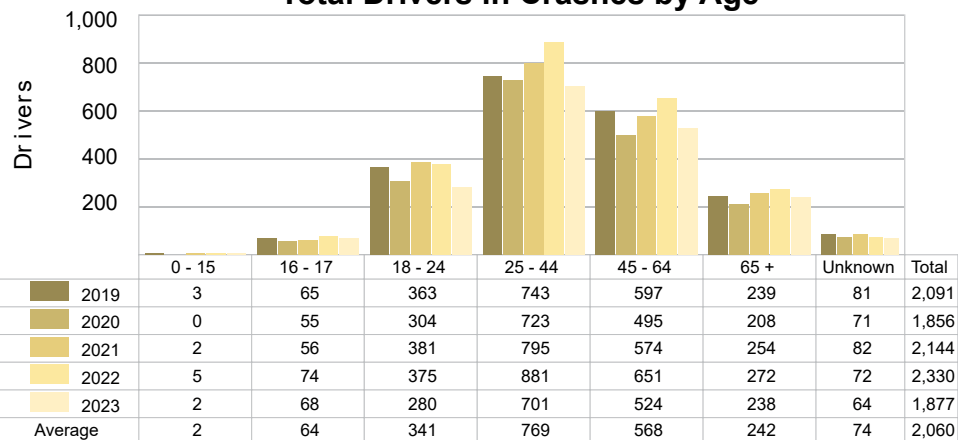
## 2023 - People in Reported Motor Vehicle Crashes by Municipality

Municipality	People					
	Fatalities	Suspected Serious Injuries	Suspected Minor Injuries	Possible Injuries	No Injuries	Uncoded & Errors
Calvin Twp.	0	9	6	5	77	1
Cassopolis	0	0	0	2	11	1
Dowagiac	0	0	10	15	153	18
Edwardsburg	0	11	0	0	22	0
Howard Twp.	2	5	20	25	153	3
Jefferson Twp.	1	8	15	10	138	1
LaGrange Twp.	0	2	3	10	144	4
Marcellus	0	0	0	0	3	0
Marcellus Twp.	0	0	3	3	46	1
Mason Twp.	2	5	5	2	121	3
Milton Twp.	1	11	26	26	232	7
Newberg Twp.	1	2	1	2	70	0
Niles	0	0	0	0	0	0
Ontwa Twp.	2	11	19	42	221	7
Penn Twp.	0	4	1	0	84	1
Pokagon Twp.	0	0	2	10	114	2
Porter Twp.	0	7	7	29	156	6
Silver Creek Twp.	0	7	2	3	69	2
Vandalia	0	0	0	0	2	0
Volinia Twp.	0	6	3	2	53	4
Wayne Twp.	0	1	11	4	90	3
<b>Total</b>	<b>9</b>	<b>89</b>	<b>134</b>	<b>190</b>	<b>1,959</b>	<b>64</b>

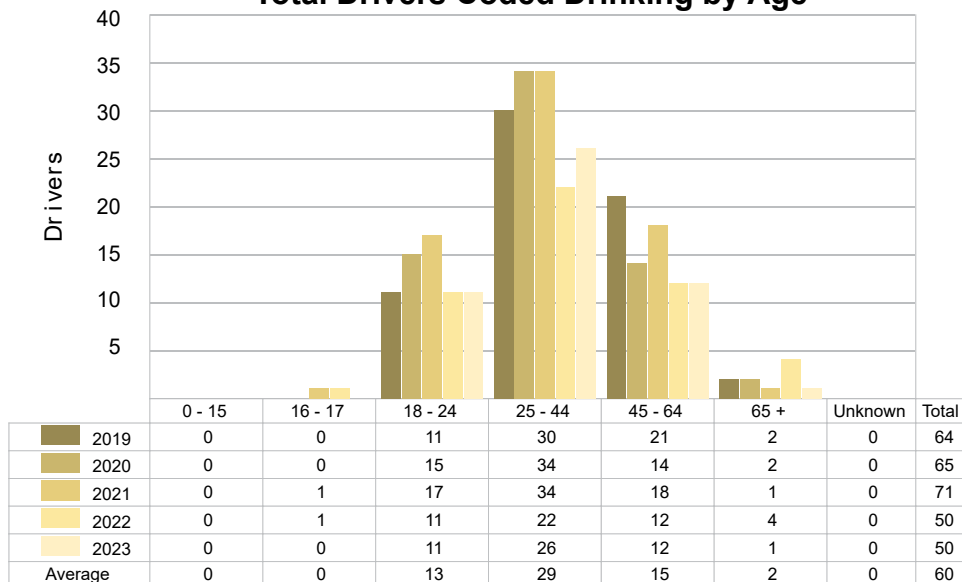
## 5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2019		2020		2021		2022		2023	
	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	0	0	2	0	5	0	2	0
16 - 17	65	0	55	0	56	1	74	1	68	0
18 - 24	363	11	304	15	381	17	375	11	280	11
25 - 44	743	30	723	34	795	34	881	22	701	26
45 - 64	597	21	495	14	574	18	651	12	524	12
65 +	239	2	208	2	254	1	272	4	238	1
Unknown	81	0	71	0	82	0	72	0	64	0
<b>Total</b>	<b>2,091</b>	<b>64</b>	<b>1,856</b>	<b>65</b>	<b>2,144</b>	<b>71</b>	<b>2,330</b>	<b>50</b>	<b>1,877</b>	<b>50</b>

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



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



## 2023 - 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 - 17	0	0	0	0	0	0	0	0	0
18 - 24	14	9	6	11	0	0	2	2	7
25 - 44	29	33	25	26	0	3	12	9	2
45 - 64	19	12	10	12	0	3	4	3	2
65 +	3	5	1	1	0	0	1	0	0
Unknown	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>65</b>	<b>59</b>	<b>42</b>	<b>50</b>	<b>0</b>	<b>6</b>	<b>19</b>	<b>14</b>	<b>11</b>

Notes: BAC refers to Bodily Alcohol Concentration as used in impaired driving law. This is the same as Blood Alcohol Content.

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.

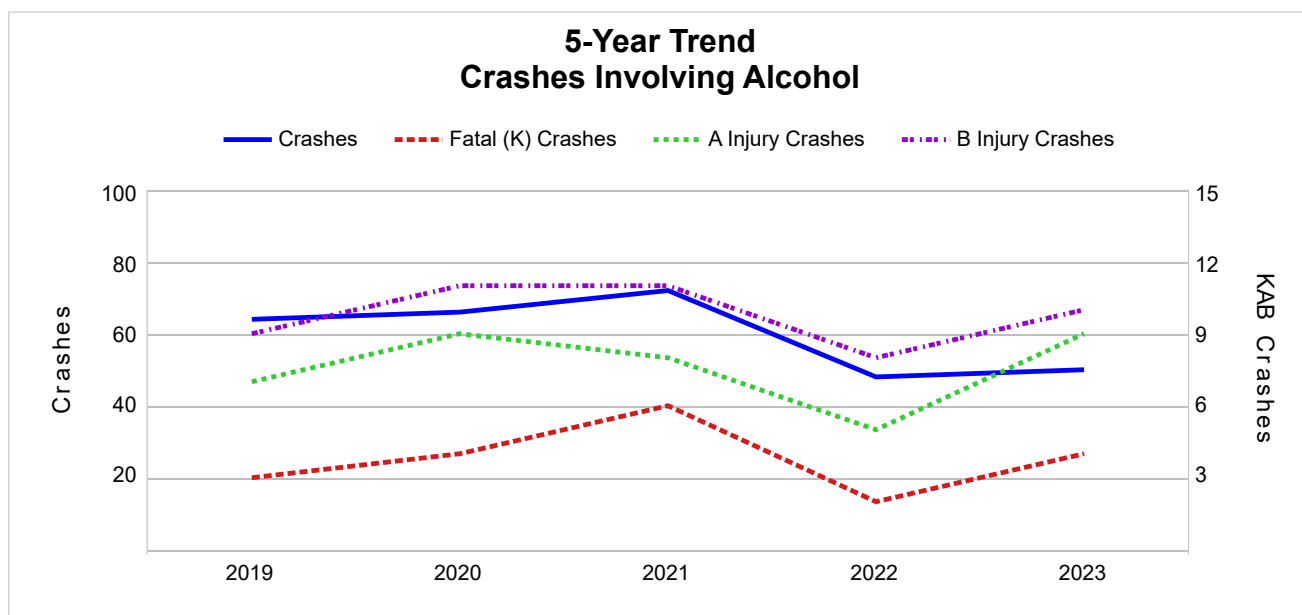
## 5-Year Trend - Crashes Involving Alcohol

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
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
2021	1,625	72	4.4	16	6	37.5	40	8	20.0	62	11	17.7
2022	1,704	48	2.8	14	2	14.3	36	5	13.9	87	8	9.2
2023	1,441	50	3.5	9	4	44.4	38	9	23.7**	67	10	14.9

Notes: HBD refers to Had Been Drinking.

\* 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.

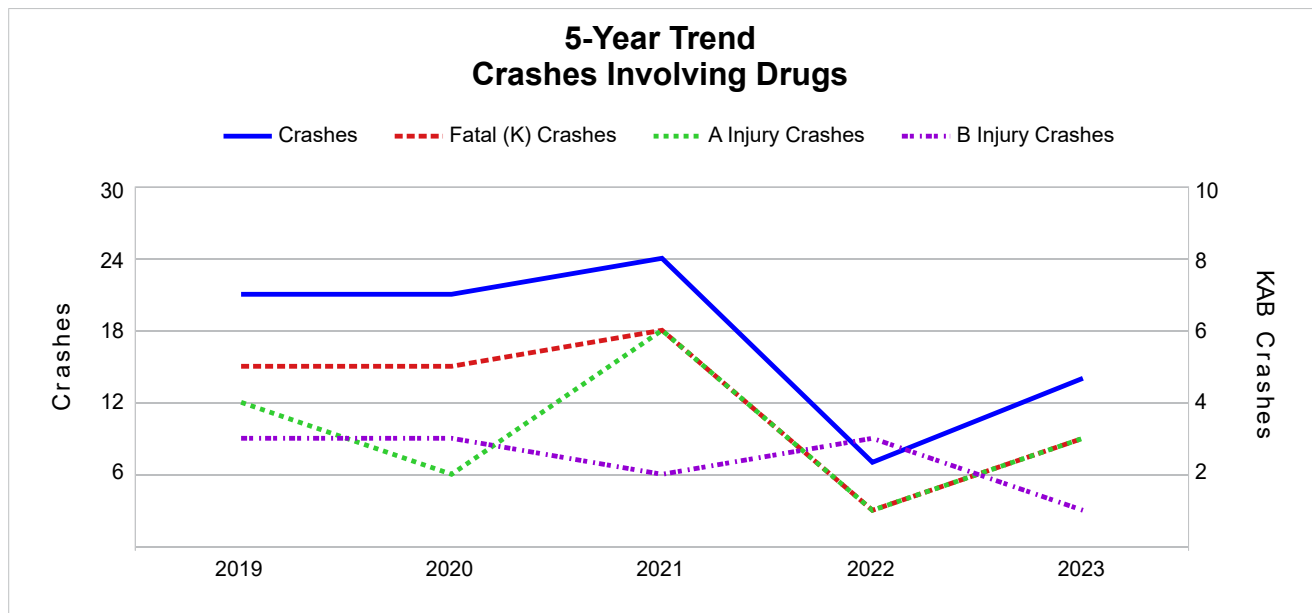


## 5-Year Trend - Crashes Involving Drugs

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
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
2021	1,625	24	1.5	16	6	37.5	40	6	15.0	62	2	3.2
2022	1,704	7	0.4	14	1	7.1	36	1	2.8	87	3	3.4
2023	1,441	14	1.0	9	3	33.3	38	3	7.9	67	1 *	1.5 *

Notes: \* 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.

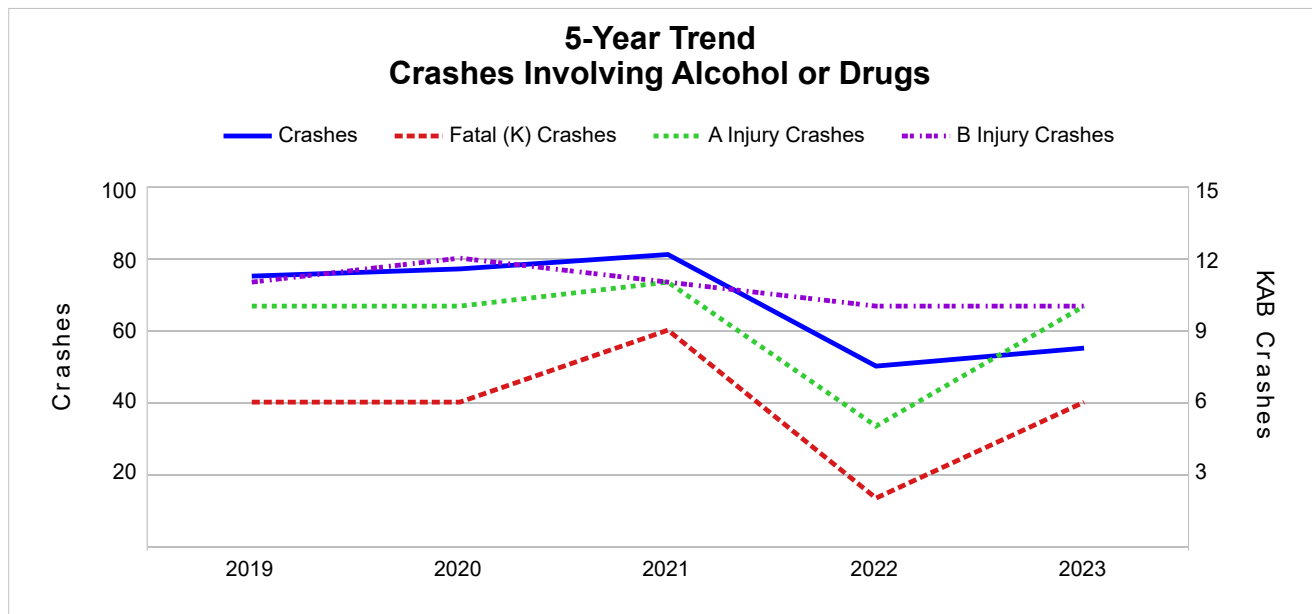




## 5-Year Trend - Crashes Involving Alcohol or Drugs

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
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
2021	1,625	81	5.0	16	9	56.3	40	11	27.5	62	11	17.7
2022	1,704	50	2.9	14	2	14.3	36	5	13.9	87	10	11.5
2023	1,441	55	3.8	9	6	66.7	38	10	26.3	67	10	14.9

Notes: HBD refers to Had Been Drinking.



## 2023 - 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	1,477	1,366	92.5	5	3	60.0	33	25	75.8	64	57	89.1	100	94	94.0	1,244	1,187	95.4
Motor Home	3	1	33.3	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	2	0	0.0
Pickup Truck	337	309	91.7	1	0	0.0	5	4	80.0	15	14	93.3	14	13	92.9	293	278	94.9
Small Truck Under 10,000 lbs. GVWR	6	5	83.3	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	5	4	80.0
Motorcycle	36	17	47.2	3	1	33.3	8	2	25.0	12	4	33.3	4	3	75.0	9	7	77.8
Moped/Goped	1	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0
Go-Cart/Golf Cart	4	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	1	0	0.0	2	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)	4	0	0.0	0	0	0.0	2	0	0.0	2	0	0.0	0	0	0.0	0	0	0.0
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	8	6	75.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	8	6	75.0
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	42	39	92.9	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	38	36	94.7
Uncoded & Errors	23	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>1,941</b>	<b>1,743</b>	<b>89.8</b>	<b>9</b>	<b>4</b>	<b>44.4</b>	<b>49</b>	<b>31</b>	<b>63.3</b>	<b>95</b>	<b>76</b>	<b>80.0</b>	<b>123</b>	<b>114</b>	<b>92.7</b>	<b>1,601</b>	<b>1,518</b>	<b>94.8</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.

## 2023 - 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	14	11	78.6	0	0	0.0	0	0	0.0	3	2	66.7	10	9	90.0	1	0	0.0
16 - 17	70	67	95.7	0	0	0.0	0	0	0.0	3	3	100.0	6	6	100.0	61	58	95.1
18 - 24	295	278	94.2	3	1	33.3	7	7	100.0	22	17	77.3	22	19	86.4	240	234	97.5
25 - 44	718	661	92.1	1	0	0.0	18	10	55.6	38	31	81.6	46	42	91.3	615	578	94.0
45 - 64	534	492	92.1	4	2	50.0	18	10	55.6	20	15	75.0	25	24	96.0	466	441	94.6
65 +	246	234	95.1	1	1	100.0	6	4	66.7	9	8	88.9	14	14	100.0	216	207	95.8
Unknown	64	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>1,941</b>	<b>1,743</b>	<b>89.8</b>	<b>9</b>	<b>4</b>	<b>44.4</b>	<b>49</b>	<b>31</b>	<b>63.3</b>	<b>95</b>	<b>76</b>	<b>80.0</b>	<b>123</b>	<b>114</b>	<b>92.7</b>	<b>1,601</b>	<b>1,518</b>	<b>94.8</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	2019			2020			2021			2022			2023		
	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	3	0	1	1	0	0	6	0	1	7	1	2	7	0	0
Shoulder Belt Only Used	13	0	0	10	0	0	19	0	1	18	0	2	17	0	0
Lap Belt Only Used	5	0	0	3	0	0	10	0	2	11	0	0	9	0	1
Both Lap & Shoulder Belt Used	1,889	2	240	1,677	2	211	1,911	8	187	2,091	5	228	1,648	2	160
No Belts Used	17	2	6	23	2	8	18	5	9	23	4	10	20	1	13
Child Restraint Used - Forward Facing	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
Child Restraint Used - Rear Facing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Used - Booster Seat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint Failure	1	1	0	0	0	0	0	0	0	0	0	0	1	0	1
Restraint Use Unknown	143	0	13	118	1	7	155	1	10	139	0	8	136	0	8
Helmet Worn	8	1	5	13	1	8	12	0	10	16	0	11	15	1	7
Helmet Not Worn	11	0	10	10	0	9	9	0	9	22	3	17	20	2	16
Helmet Use Unknown	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Uncoded & Errors	1	0	0	1	0	0	3	0	0	3	0	0	4	0	0
<b>Total</b>	<b>2,091</b>	<b>6</b>	<b>275</b>	<b>1,856</b>	<b>6</b>	<b>243</b>	<b>2,144</b>	<b>14</b>	<b>230</b>	<b>2,330</b>	<b>13</b>	<b>278</b>	<b>1,877</b>	<b>6</b>	<b>206</b>

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

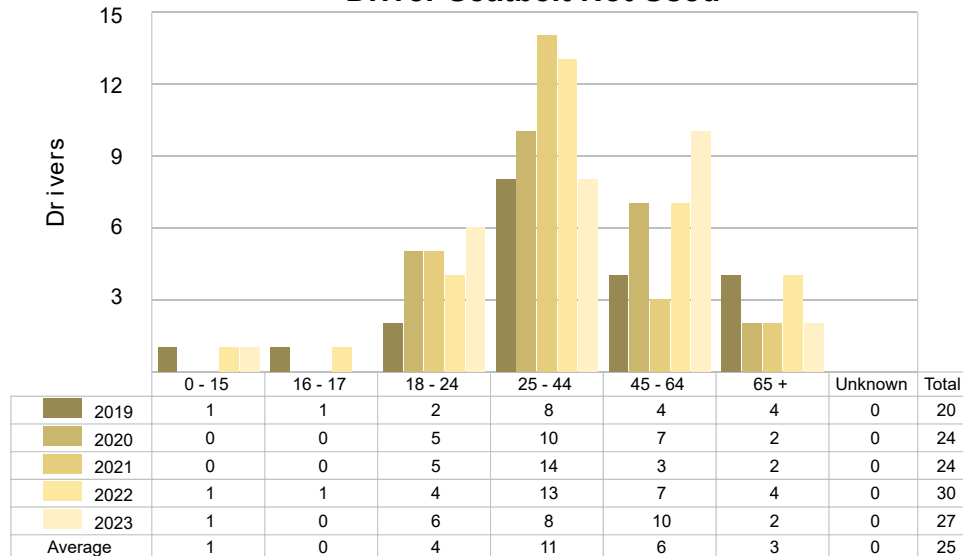
Restraint Use	2019			2020			2021			2022			2023		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No Belts Available	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Shoulder Belt Only Used	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
Lap Belt Only Used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Both Lap & Shoulder Belt Used	46	0	20	49	0	23	55	3	12	39	0	12	30	1	15
No Belts Used	3	2	0	4	1	3	5	3	2	3	1	1	5	1	3
Child Restraint Used - Forward Facing	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
Child Restraint Used - Rear Facing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Used - Booster Seat	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	12	0	3	10	1	2	10	0	4	4	0	1	11	0	3
Helmet Worn	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Helmet Not Worn	3	0	3	1	0	1	0	0	0	4	1	3	2	2	0
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>64</b>	<b>2</b>	<b>26</b>	<b>65</b>	<b>2</b>	<b>30</b>	<b>71</b>	<b>6</b>	<b>18</b>	<b>50</b>	<b>2</b>	<b>17</b>	<b>50</b>	<b>4</b>	<b>21</b>

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

Age Group	2019			2020			2021			2022			2023		
	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	1	0	0	0	0	0	0	1	0	1	1	0	0
16 - 17	1	0	1	0	0	0	0	0	0	1	0	1	0	0	0
18 - 24	2	1	0	5	0	1	5	2	2	4	0	2	6	1	4
25 - 44	8	1	4	10	1	4	14	2	6	13	2	5	8	0	5
45 - 64	4	0	0	7	0	3	3	1	0	7	0	2	10	0	4
65 +	4	0	1	2	1	0	2	0	2	4	3	1	2	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>20</b>	<b>2</b>	<b>7</b>	<b>24</b>	<b>2</b>	<b>8</b>	<b>24</b>	<b>5</b>	<b>10</b>	<b>30</b>	<b>5</b>	<b>12</b>	<b>27</b>	<b>1</b>	<b>13</b>

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

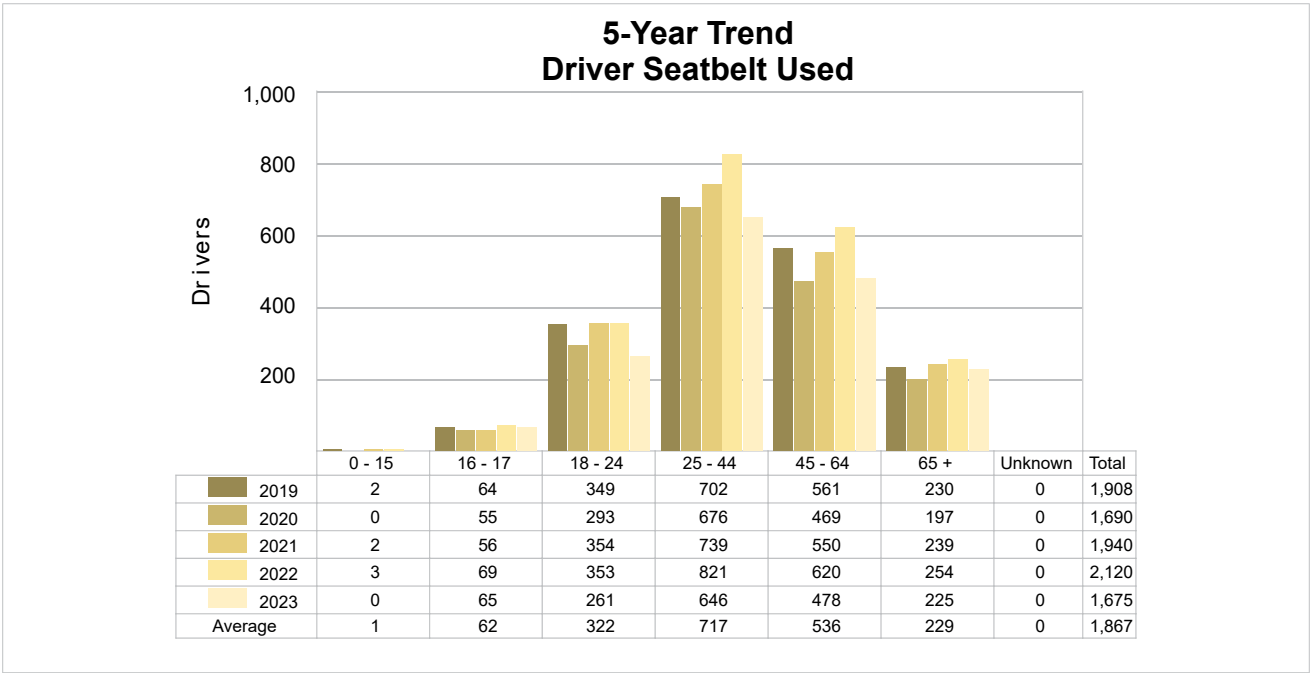
### 5-Year Trend Driver Seatbelt Not Used



5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2019			2020			2021			2022			2023		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	2	0	0	0	0	0	2	0	0	3	0	1	0	0	0
16 - 17	64	0	8	55	0	8	56	0	7	69	1	9	65	0	7
18 - 24	349	1	42	293	0	38	354	4	36	353	0	35	261	0	28
25 - 44	702	1	79	676	0	79	739	2	60	821	3	91	646	0	69
45 - 64	561	0	73	469	0	58	550	2	55	620	0	60	478	1	40
65 +	230	1	38	197	2	28	239	0	32	254	1	34	225	1	18
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,908	3	240	1,690	2	211	1,940	8	190	2,120	5	230	1,675	2	162

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	2019		2020		2021		2022		2023	
	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	1,208	6	1,078	3	1,274	8	1,349	11	1,216	5
Speed Too Fast	230	3	196	2	188	6	289	2	139	2
Speed Too Slow	2	0	1	0	1	0	0	0	2	0
Failed to Yield	152	0	151	2	182	0	165	1	150	0
Disregard Traffic Control	33	1	22	0	41	0	26	0	16	0
Drove Wrong Way	0	0	4	0	2	0	1	0	1	1
Drove Left of Center	28	1	17	0	11	0	20	3	7	0
Improper Passing	10	0	13	0	18	0	20	1	14	0
Improper Lane Use	12	0	12	0	14	0	21	0	18	1
Improper Turn	15	0	11	0	10	0	17	0	11	0
Improper/No Signal	3	0	5	0	3	0	3	0	2	0
Improper Backing	17	0	14	0	8	0	22	0	18	0
Unable to Stop in Assured Clear Distance	146	0	110	1	140	0	176	2	105	0
Other	62	0	71	0	91	0	71	0	59	0
Unknown	90	1	71	1	75	8	79	5	70	2
Reckless Driving	18	0	15	2	12	2	10	0	12	1
Careless/Negligent Driving	64	1	64	1	72	2	60	1	36	0
Uncoded & Errors	1	0	1	0	2	0	1	0	1	0
<b>Total</b>	<b>2,091</b>	<b>13</b>	<b>1,856</b>	<b>12</b>	<b>2,144</b>	<b>26</b>	<b>2,330</b>	<b>26</b>	<b>1,877</b>	<b>12</b>

### Office of Highway Safety Planning

---

Physical Address:  
7150 Harris Drive  
Dimondale, Michigan 48821

Mailing Address:  
P.O. Box 30634  
Lansing, Michigan 48909

Find us on the web:  
[MichiganTrafficCrashFacts.org](http://MichiganTrafficCrashFacts.org)  
[mtcf-info@umich.edu](mailto:mtcf-info@umich.edu)

