



2021

**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

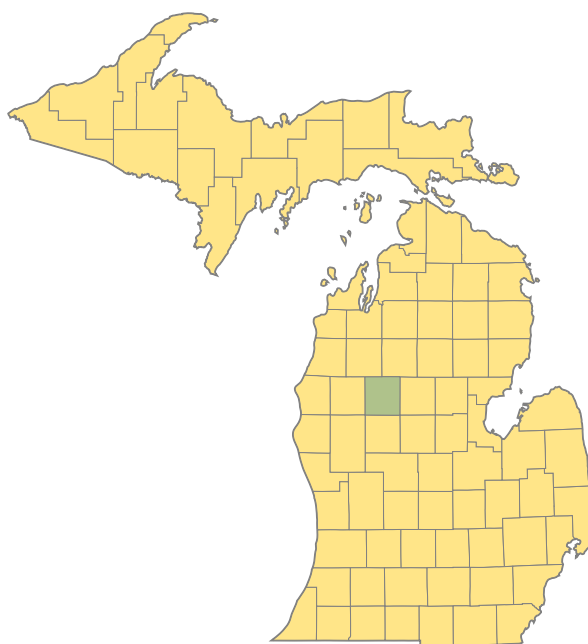
O = No Injury

Property Damage Only (PDO)



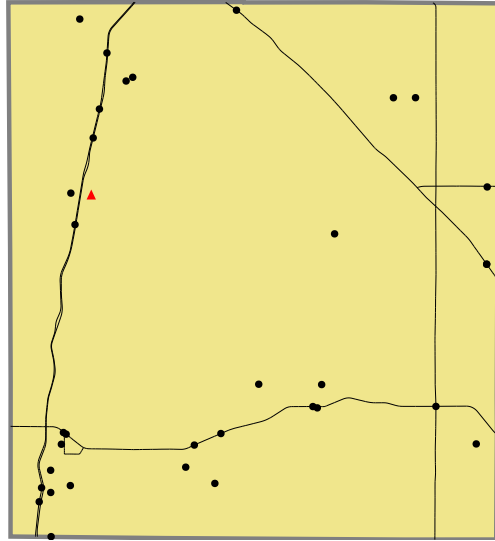
## Osceola County

### 2021 Traffic Crash Data & 2017-2021 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 (1/1)

● A - Suspected Serious (34/34)

### 2021 - Crashes and Injury by Month

Month	Crashes				People	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	70	0	9	61	0	14
February	75	0	11	64	0	14
March	59	0	4	55	0	9
April	42	0	3	39	0	4
May	79	0	16	63	0	25
June	78	0	7	71	0	9
July	83	1	17	65	1	24
August	64	0	8	56	0	9
September	99	0	11	88	0	18
October	112	0	15	97	0	18
November	149	0	18	131	0	28
December	129	0	12	117	0	14
<b>Total</b>	<b>1,039</b>	<b>1</b>	<b>131</b>	<b>907</b>	<b>1</b>	<b>186</b>

### 2021 - Driver Statistics

Age Group	Osceola County			Driver Rates	
	2019 Population*	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	4,519	91	5	11.1	549.5
16 - 20	1,427	1,003	122	854.9	1,216.4
21 - 24	978	868	112	1,145.2	1,290.3
25 - 64	11,473	10,267	853	743.5	830.8
65 +	5,063	4,911	153	302.2	311.5
Unknown	0	0	29	--	--
<b>Total</b>	<b>23,460</b>	<b>17,140</b>	<b>1,274</b>	<b>543.1</b>	<b>743.3</b>

\*2021 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau.

### 2021 - 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	887	69.6	1	50.0	125	761
Motor Home	0	0.0	0	0.0	0	0
Pickup Truck	312	24.5	0	0.0	43	269
Small Truck Under 10,000 lbs. GVWR	4	0.3	0	0.0	1	3
Motorcycle	10	0.8	0	0.0	9	1
Moped/Goped	0	0.0	0	0.0	0	0
Go-Cart/Golf Cart	0	0.0	0	0.0	0	0
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	2	0.2	0	0.0	2	0
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	9	0.7	0	0.0	1	8
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	43	3.4	1	50.0	6	36
Uncoded & Errors	7	0.5	0	0.0	0	7
<b>Total</b>	<b>1,274</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>187</b>	<b>1,085</b>

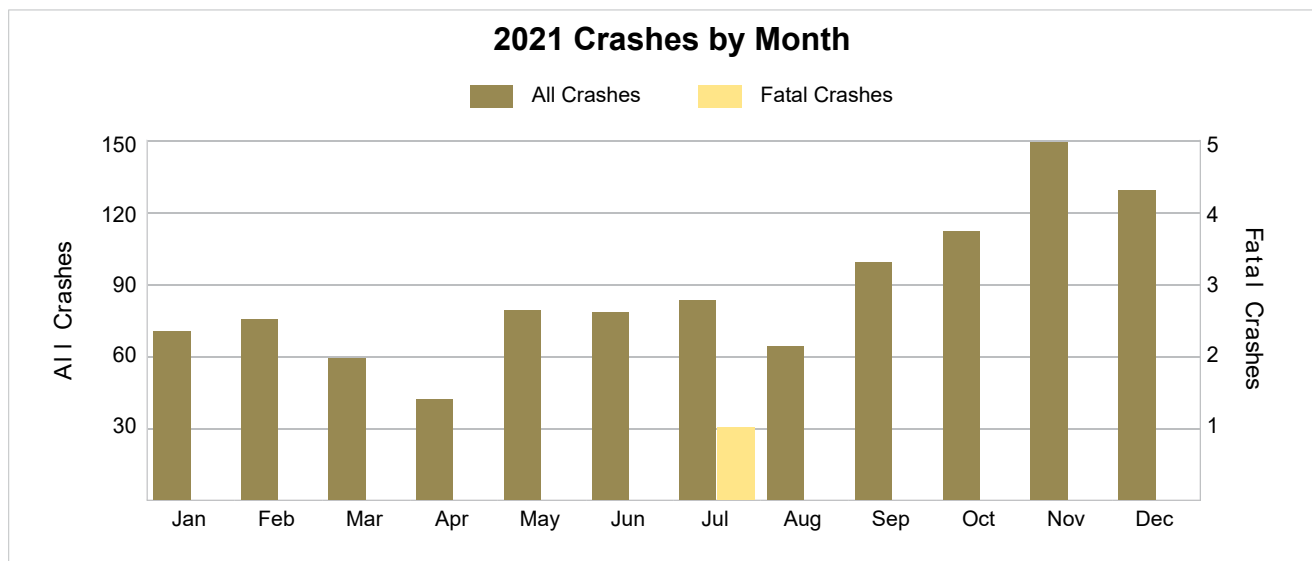
## 5-Year Trend - Crashes by Month

Month	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	107	0	126	1	117	0	105	0	70	0
February	79	0	99	0	98	0	91	2	75	0
March	84	0	85	0	93	0	54	0	59	0
April	62	0	88	0	72	0	28	0	42	0
May	78	1	72	0	78	1	64	3	79	0
June	84	0	79	0	79	1	99	3	78	0
July	78	0	87	0	80	0	79	2	83	1
August	60	1	69	1	75	0	76	1	64	0
September	90	1	81	0	83	0	72	1	99	0
October	153	1	150	0	141	1	130	1	112	0
November	156	0	168	1	129	2	147	0	149	0
December	135	0	120	0	132	0	99	0	129	0
<b>Total</b>	<b>1,166</b>	<b>4</b>	<b>1,224</b>	<b>3</b>	<b>1,177</b>	<b>5</b>	<b>1,044</b>	<b>13</b>	<b>1,039</b>	<b>1</b>

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

Day	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	157	0	170	1	174	1	131	2	153	0
Tuesday	161	0	177	0	165	0	132	1	156	0
Wednesday	173	1	159	0	160	1	158	1	134	0
Thursday	166	1	166	0	171	1	164	4	146	1
Friday	195 †	1	217 †	0	212 †	0	179 †	0	168 †	0
Saturday	172	0	169	0	136	1	150	4	160	0
Sunday	142	1	166	2	159	1	130	1	122	0
<b>Total</b>	<b>1,166</b>	<b>4</b>	<b>1,224</b>	<b>3</b>	<b>1,177</b>	<b>5</b>	<b>1,044</b>	<b>13</b>	<b>1,039</b>	<b>1</b>

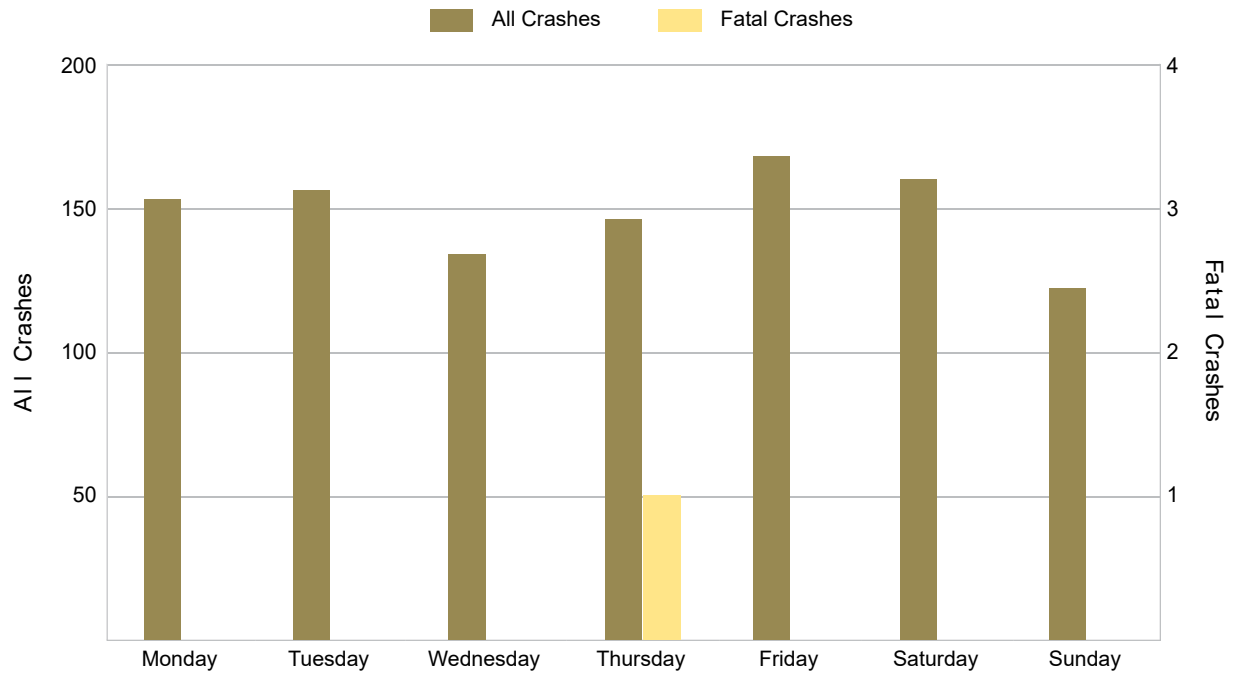
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred on the same day of the week.



## 2021 - 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	153	14.7	0	0.0	7	5	9	132
Tuesday	156	15.0	0	0.0	1	7	8	140
Wednesday	134	12.9	0	0.0	4	7	11	112
Thursday	146	14.1	1	100.0	2	4	11	128
Friday	168	16.2	0	0.0	6	3	9	150
Saturday	160	15.4	0	0.0	9	4	8	139
Sunday	122	11.7	0	0.0	5	5	6	106
<b>Total</b>	<b>1,039</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>34</b>	<b>35</b>	<b>62</b>	<b>907</b>

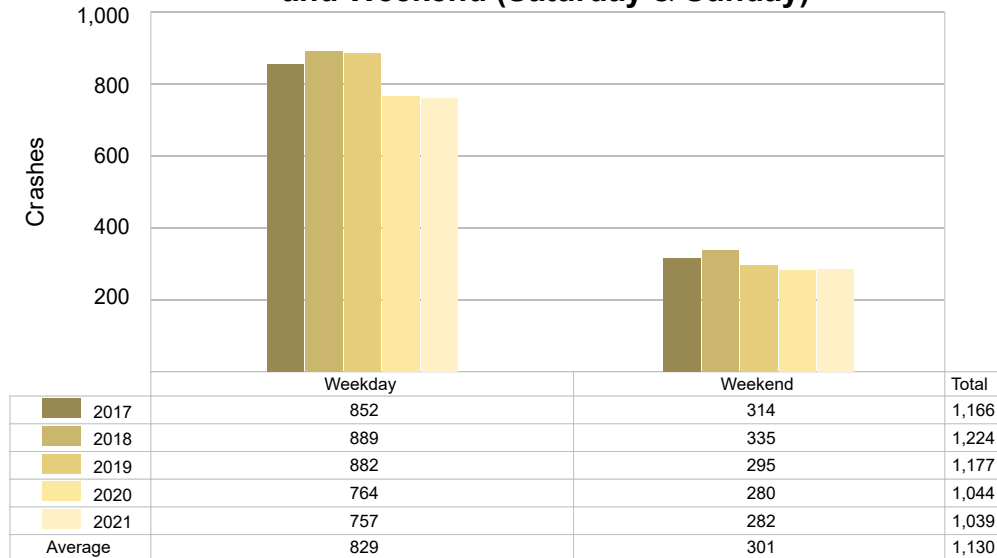
## 2021 Day of Week and Severity



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

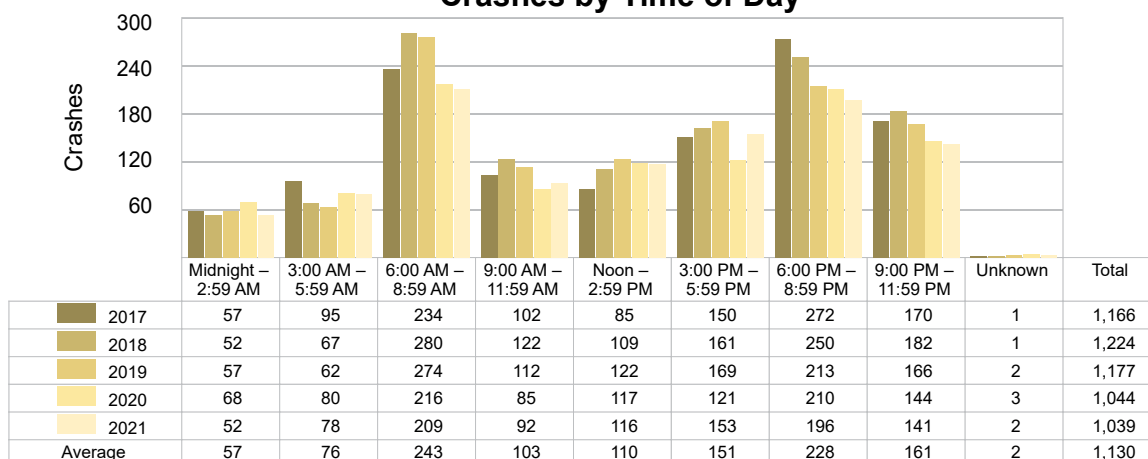
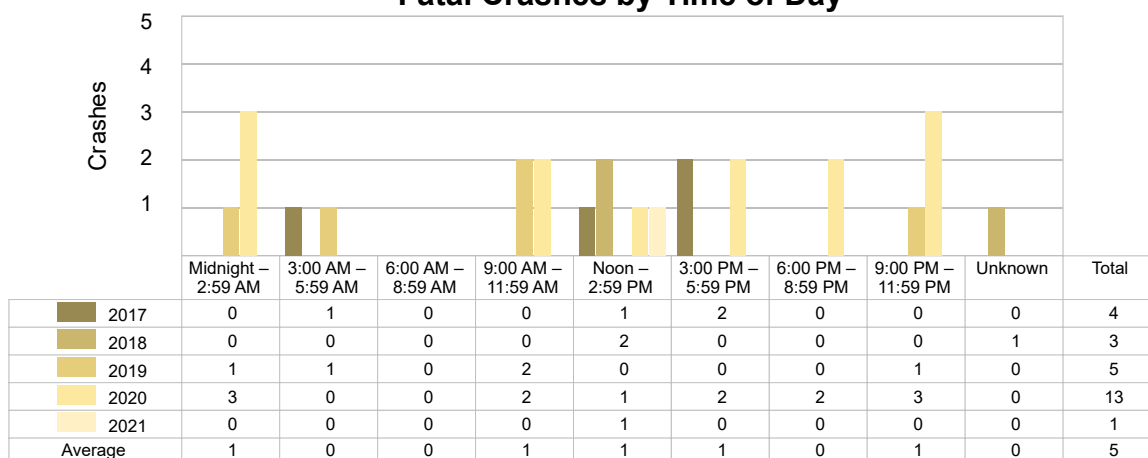
Portion of Week	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	852	3	889	1	882	3	764	8	757	1
Weekend	314	1	335	2	295	2	280	5	282	0
<b>Total</b>	<b>1,166</b>	<b>4</b>	<b>1,224</b>	<b>3</b>	<b>1,177</b>	<b>5</b>	<b>1,044</b>	<b>13</b>	<b>1,039</b>	<b>1</b>

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



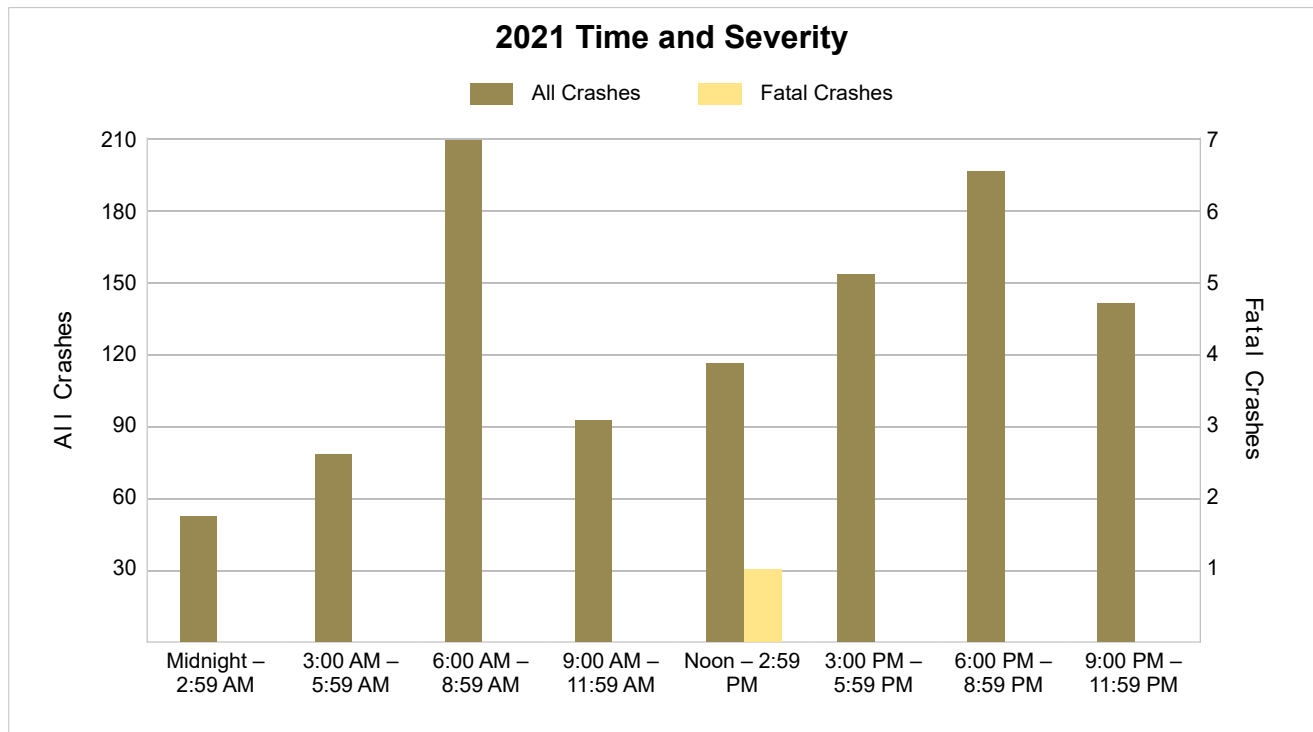
## 5-Year Trend - Crashes by Time of Day

Time of Day	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight – 2:59 AM	57	0	52	0	57	1	68	3	52	0
3:00 AM – 5:59 AM	95	1	67	0	62	1	80	0	78	0
6:00 AM – 8:59 AM	234	0	280	0	274	0	216	0	209	0
9:00 AM – 11:59 AM	102	0	122	0	112	2	85	2	92	0
Noon – 2:59 PM	85	1	109	2	122	0	117	1	116	1
3:00 PM – 5:59 PM	150	2	161	0	169	0	121	2	153	0
6:00 PM – 8:59 PM	272	0	250	0	213	0	210	2	196	0
9:00 PM – 11:59 PM	170	0	182	0	166	1	144	3	141	0
Unknown	1	0	1	1	2	0	3	0	2	0
<b>Total</b>	<b>1,166</b>	<b>4</b>	<b>1,224</b>	<b>3</b>	<b>1,177</b>	<b>5</b>	<b>1,044</b>	<b>13</b>	<b>1,039</b>	<b>1</b>

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

## 2021 - Time and Severity

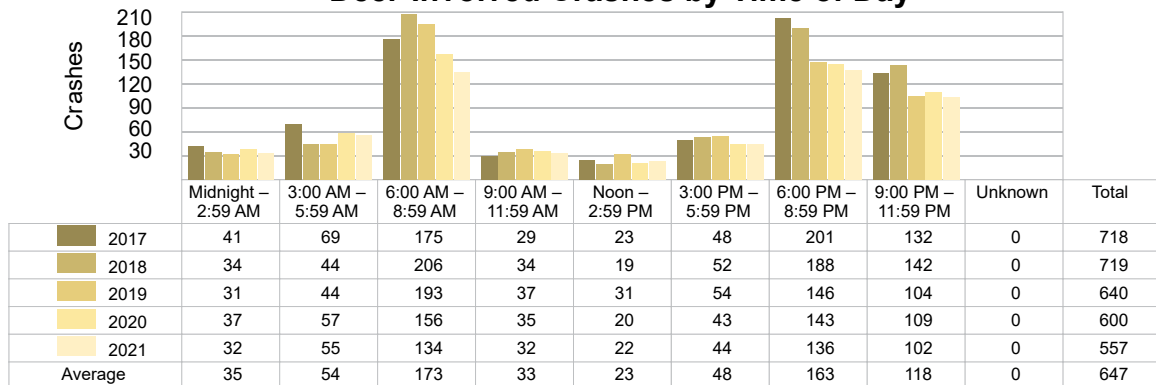
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight – 2:59 AM	52	5.0	0	0.0	3	1	3	45
3:00 AM – 5:59 AM	78	7.5	0	0.0	1	0	3	74
6:00 AM – 8:59 AM	209	20.1	0	0.0	2	4	8	195
9:00 AM – 11:59 AM	92	8.9	0	0.0	1	2	7	82
Noon – 2:59 PM	116	11.2	1	100.0	8	8	11	88
3:00 PM – 5:59 PM	153	14.7	0	0.0	6	14	12	121
6:00 PM – 8:59 PM	196	18.9	0	0.0	7	4	11	174
9:00 PM – 11:59 PM	141	13.6	0	0.0	5	2	6	128
Unknown	2	0.2	0	0.0	1	0	1	0
<b>Total</b>	<b>1,039</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>34</b>	<b>35</b>	<b>62</b>	<b>907</b>



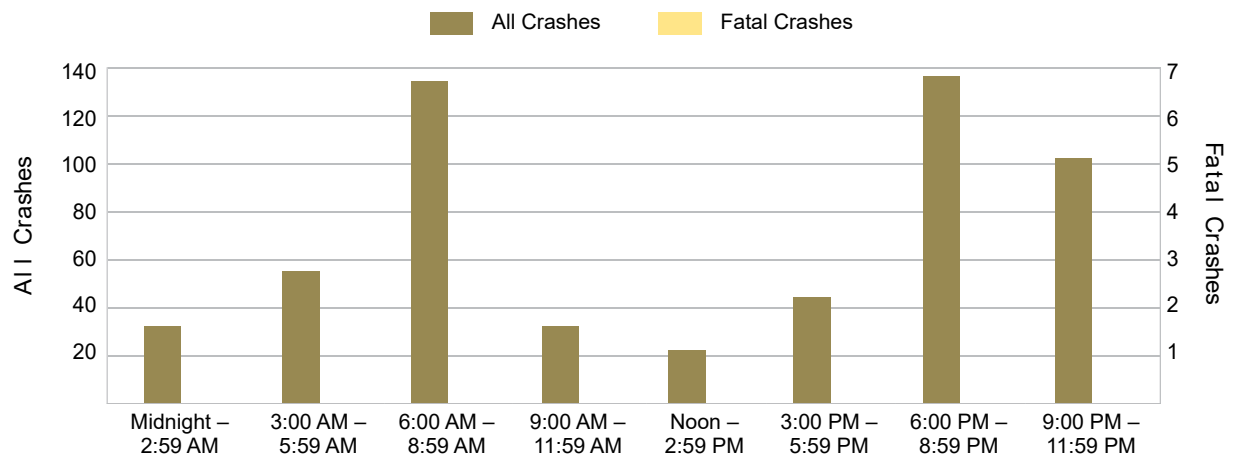
## 5-Year Trend - Deer-Involved Crashes by Time of Day

Time of Day	2017		2018		2019		2020		2021	
	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	34	0	31	0	37	0	32	0
3:00 AM – 5:59 AM	69	0	44	0	44	0	57	0	55	0
6:00 AM – 8:59 AM	175	0	206	0	193	0	156	0	134	0
9:00 AM – 11:59 AM	29	0	34	0	37	0	35	0	32	0
Noon – 2:59 PM	23	0	19	0	31	0	20	0	22	0
3:00 PM – 5:59 PM	48	0	52	0	54	0	43	0	44	0
6:00 PM – 8:59 PM	201	0	188	0	146	0	143	0	136	0
9:00 PM – 11:59 PM	132	0	142	0	104	1	109	0	102	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>718</b>	<b>0</b>	<b>719</b>	<b>0</b>	<b>640</b>	<b>1</b>	<b>600</b>	<b>0</b>	<b>557</b>	<b>0</b>

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



### 2021 Time and Severity of Deer-Involved Crashes



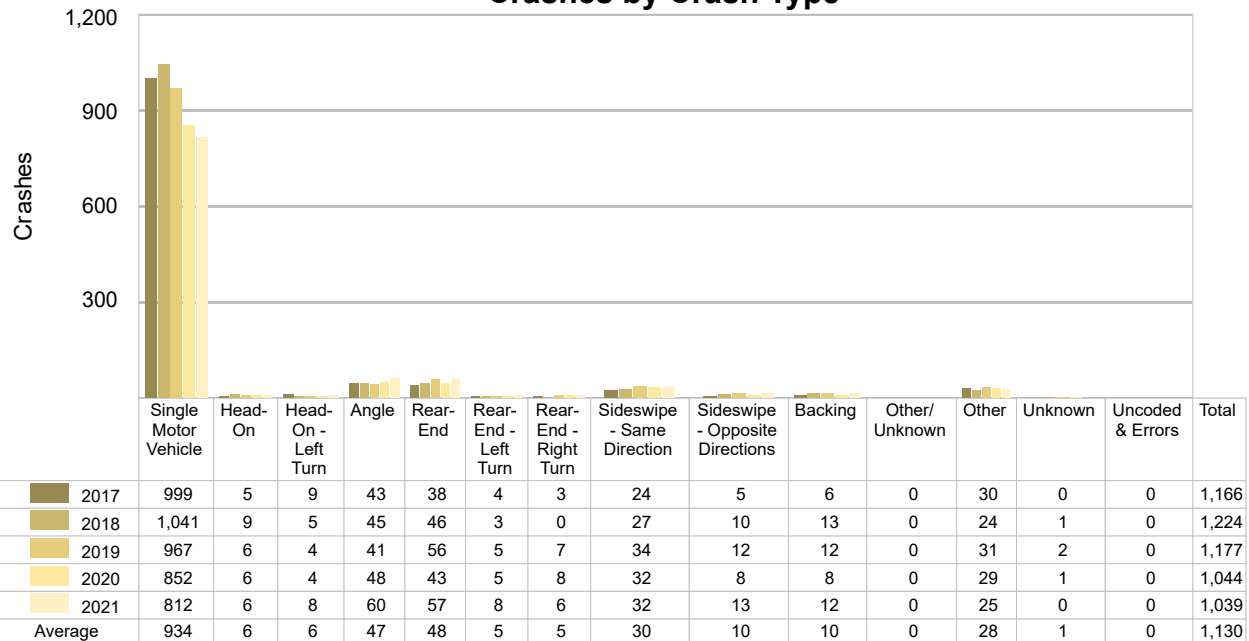
There were no fatal deer-involved crashes in Osceola County in 2021.



## 5-Year Trend - Crashes by Crash Type

Crash Type	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Single Motor Vehicle	999	0	1,041	1	967	4	852	8	812	0
Head-On	5	2	9	0	6	0	6	4	6	0
Head-On - Left Turn	9	1	5	0	4	0	4	0	8	0
Angle	43	0	45	1	41	0	48	1	60	1
Rear-End	38	1	46	0	56	1	43	0	57	0
Rear-End - Left Turn	4	0	3	0	5	0	5	0	8	0
Rear-End - Right Turn	3	0	0	0	7	0	8	0	6	0
Sideswipe - Same Direction	24	0	27	0	34	0	32	0	32	0
Sideswipe - Opposite Directions	5	0	10	0	12	0	8	0	13	0
Backing	6	0	13	0	12	0	8	0	12	0
Other/Unknown	0	0	0	0	0	0	0	0	0	0
Other	30	0	24	1	31	0	29	0	25	0
Unknown	0	0	1	0	2	0	1	0	0	0
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1,166</b>	<b>4</b>	<b>1,224</b>	<b>3</b>	<b>1,177</b>	<b>5</b>	<b>1,044</b>	<b>13</b>	<b>1,039</b>	<b>1</b>

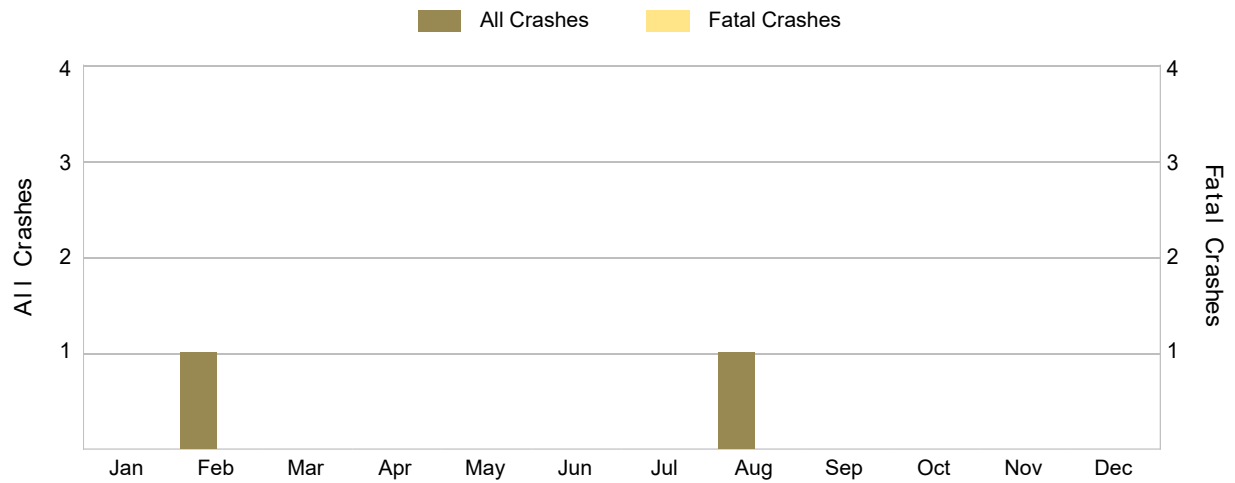
## 5-Year Trend Crashes by Crash Type



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

Month	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	1	0
March	0	0	1	0	0	0	0	0	0	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	2	1	0	0	0	0
July	0	0	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	1	0	1	0
September	2	0	1	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	1	0	0	0	0	0
<b>Total</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>

## 2021 Pedestrian-Involved Crashes by Month

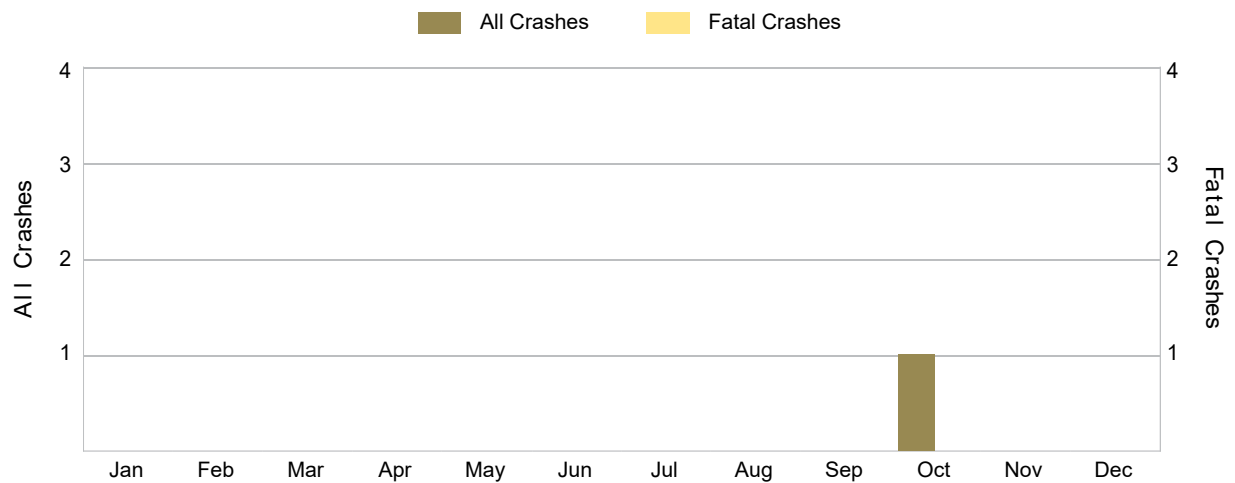


There were no fatal pedestrian-involved crashes in Osceola County in 2021.

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

Month	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	0	0	0	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	0	0
April	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0
June	0	0	1	0	0	0	0	0	0	0
July	0	0	0	0	2	0	0	0	0	0
August	0	0	0	0	1	0	1	0	0	0
September	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	1	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>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>

## 2021 Bicyclist-Involved Crashes by Month



There were no fatal bicyclist-involved crashes in Osceola County in 2021.

## 2021 - 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
Burdell Twp.	72	0	12	60	0	40	0	32	3	1	33	0	1
Cedar Twp.	10	0	3	7	0	0	0	10	0	0	5	0	0
Ewart	36	0	7	29	0	26	0	10	3	0	3	2	0
Ewart Twp.	49	0	7	42	0	12	0	37	1	0	31	0	0
Hartwick Twp.	28	0	3	25	0	0	0	28	0	0	22	0	0
Hersey	0	0	0	0	0	0	0	0	0	0	0	0	0
Hersey Twp.	68	0	8	60	0	34	0	34	2	1	40	0	0
Highland Twp.	78	0	6	72	0	0	43	35	1	1	47	0	0
Le Roy	0	0	0	0	0	0	0	0	0	0	0	0	0
Le Roy Twp.	82	1	11	70	0	46	0	36	3	0	39	0	0
Lincoln Twp.	70	0	3	67	0	38	0	32	2	0	39	0	0
Marion	0	0	0	0	0	0	0	0	0	0	0	0	0
Marion Twp.	31	0	5	26	0	0	8	23	3	0	16	0	0
Middle Branch Twp.	44	0	4	40	0	0	39	5	5	0	28	0	0
Orient Twp.	32	0	3	29	0	8	16	8	1	0	24	0	0
Osceola Twp.	48	0	5	43	0	14	0	34	1	0	31	0	0
Reed City	52	0	11	41	0	32	0	20	1	1	13	0	0
Richmond Twp.	207	0	30	177	0	124	0	83	7	2	105	0	0
Rose Lake Twp.	30	0	3	27	0	0	0	30	0	0	17	0	0
Sherman Twp.	59	0	6	53	0	0	8	51	2	0	32	0	0
Sylvan Twp.	43	0	4	39	0	20	20	3	0	0	32	0	0
Tustin	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1,039</b>	<b>1</b>	<b>131</b>	<b>907</b>	<b>0</b>	<b>394</b>	<b>134</b>	<b>511</b>	<b>35</b>	<b>6</b>	<b>557</b>	<b>2</b>	<b>1</b>

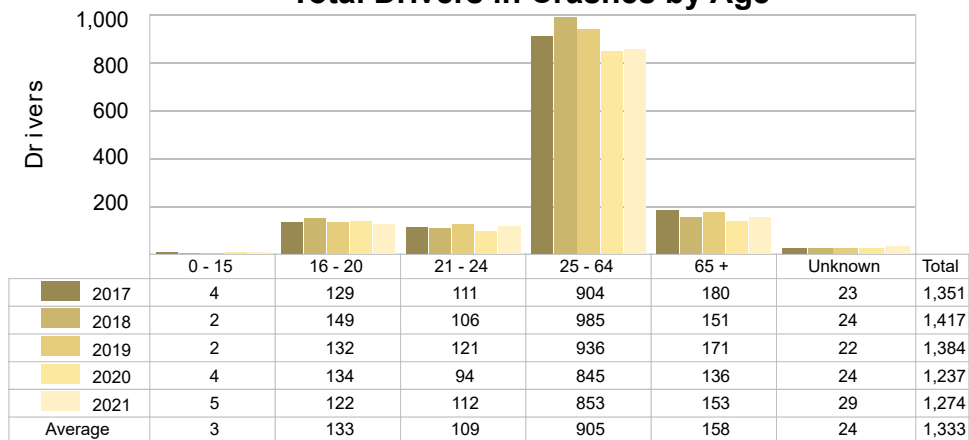
## 2021 - People in Reported Motor Vehicle Crashes by Municipality

Municipality	People					
	Fatalities	Suspected Serious Injuries	Suspected Minor Injuries	Possible Injuries	No Injuries	Uncoded & Errors
Burdell Twp.	0	12	13	2	89	0
Cedar Twp.	0	0	2	2	8	0
Ewart	0	7	3	6	66	6
Ewart Twp.	0	0	3	8	63	0
Hartwick Twp.	0	2	2	3	28	0
Hersey	0	0	0	0	0	0
Hersey Twp.	0	9	11	1	93	2
Highland Twp.	0	0	7	4	93	2
Le Roy	0	0	0	0	0	0
Le Roy Twp.	1	4	2	12	94	1
Lincoln Twp.	0	0	0	6	94	2
Marion	0	0	0	0	0	0
Marion Twp.	0	7	4	3	38	4
Middle Branch Twp.	0	6	1	0	58	2
Orient Twp.	0	3	1	0	33	1
Osceola Twp.	0	1	3	4	52	0
Reed City	0	2	9	14	91	4
Richmond Twp.	0	16	11	32	270	3
Rose Lake Twp.	0	0	0	5	36	2
Sherman Twp.	0	6	12	7	78	1
Sylvan Twp.	0	0	2	5	59	1
Tustin	0	0	0	0	0	0
<b>Total</b>	<b>1</b>	<b>75</b>	<b>86</b>	<b>114</b>	<b>1,343</b>	<b>31</b>

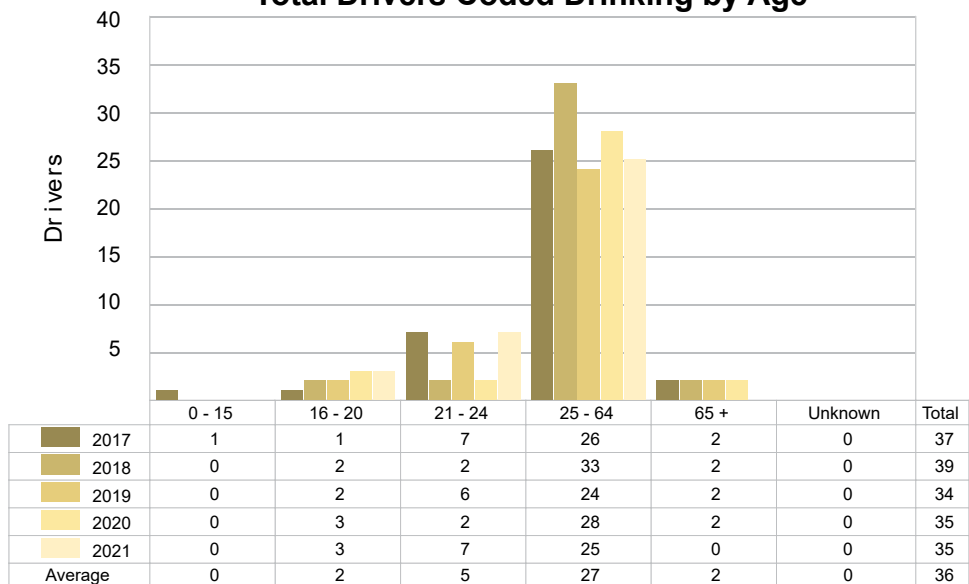
## 5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2017		2018		2019		2020		2021	
	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	4	1	2	0	2	0	4	0	5	0
16 - 20	129	1	149	2	132	2	134	3	122	3
21 - 24	111	7	106	2	121	6	94	2	112	7
25 - 64	904	26	985	33	936	24	845	28	853	25
65 +	180	2	151	2	171	2	136	2	153	0
Unknown	23	0	24	0	22	0	24	0	29	0
<b>Total</b>	<b>1,351</b>	<b>37</b>	<b>1,417</b>	<b>39</b>	<b>1,384</b>	<b>34</b>	<b>1,237</b>	<b>35</b>	<b>1,274</b>	<b>35</b>

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



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



## 2021 - 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	2	2	3	0	0	1	0	2
21 - 24	7	7	6	7	0	0	4	2	1
25 - 64	29	23	16	25	0	1	8	4	12
65 +	1	0	0	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>40</b>	<b>32</b>	<b>24</b>	<b>35</b>	<b>0</b>	<b>1</b>	<b>13</b>	<b>6</b>	<b>15</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).

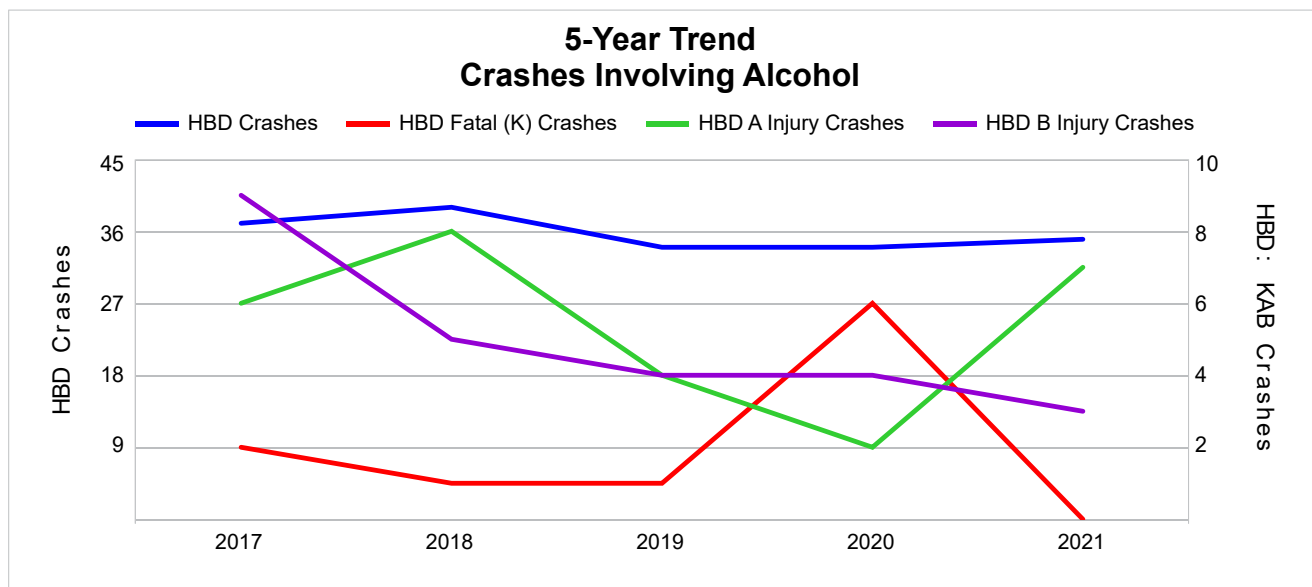
A driver may be coded by the officer as drinking even though no test is administered.

## 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
2017	1,166	37	3.2	4	2	50.0	23	6	26.1	39	9	23.1
2018	1,224	39	3.2	3	1	33.3	31	8	25.8	43	5	11.6
2019	1,177	34	2.9	5	1	20.0	20	4	20.0	39	4	10.3
2020	1,044	34	3.3	13	6	46.2	22	2	9.1	34	4	11.8
2021	1,039 *	35	3.4 **	1 *	0 *	0.0 *	34 **	7	20.6	35	3 *	8.6 *

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.



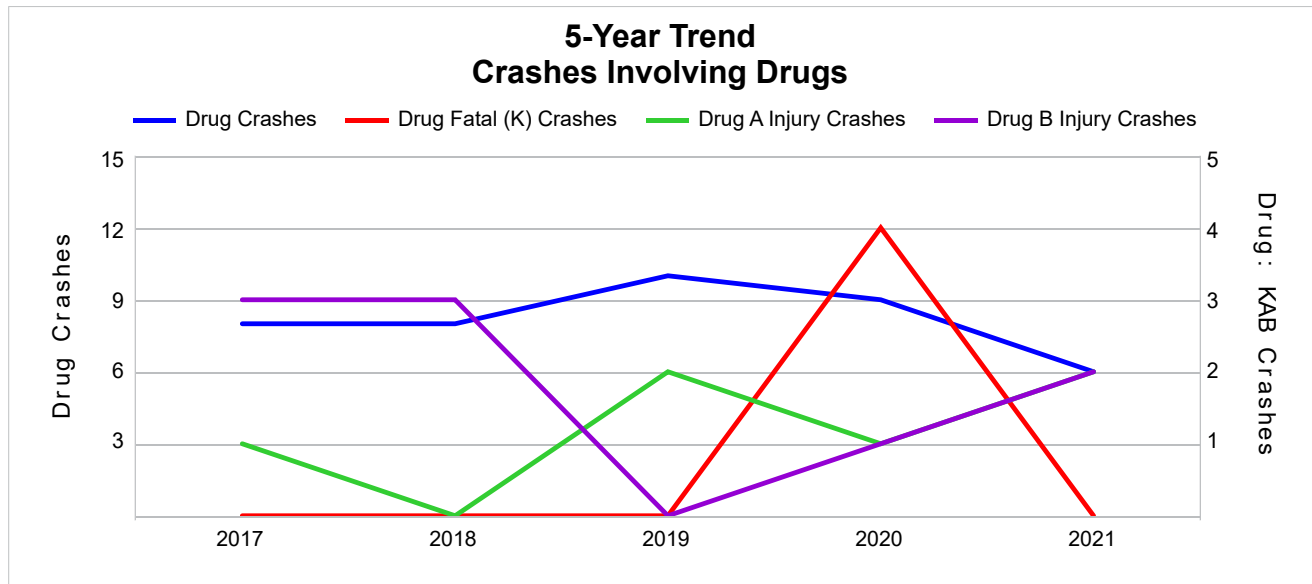
Note: Had-Been-Drinking (HBD)

## 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
2017	1,166	8	0.7	4	0	0.0	23	1	4.3	39	3	7.7
2018	1,224	8	0.7	3	0	0.0	31	0	0.0	43	3	7.0
2019	1,177	10	0.8	5	0	0.0	20	2	10.0	39	0	0.0
2020	1,044	9	0.9	13	4	30.8	22	1	4.5	34	1	2.9
2021	1,039 *	6 *	0.6 *	1 *	0	0.0	34 **	2	5.9	35	2	5.7

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.



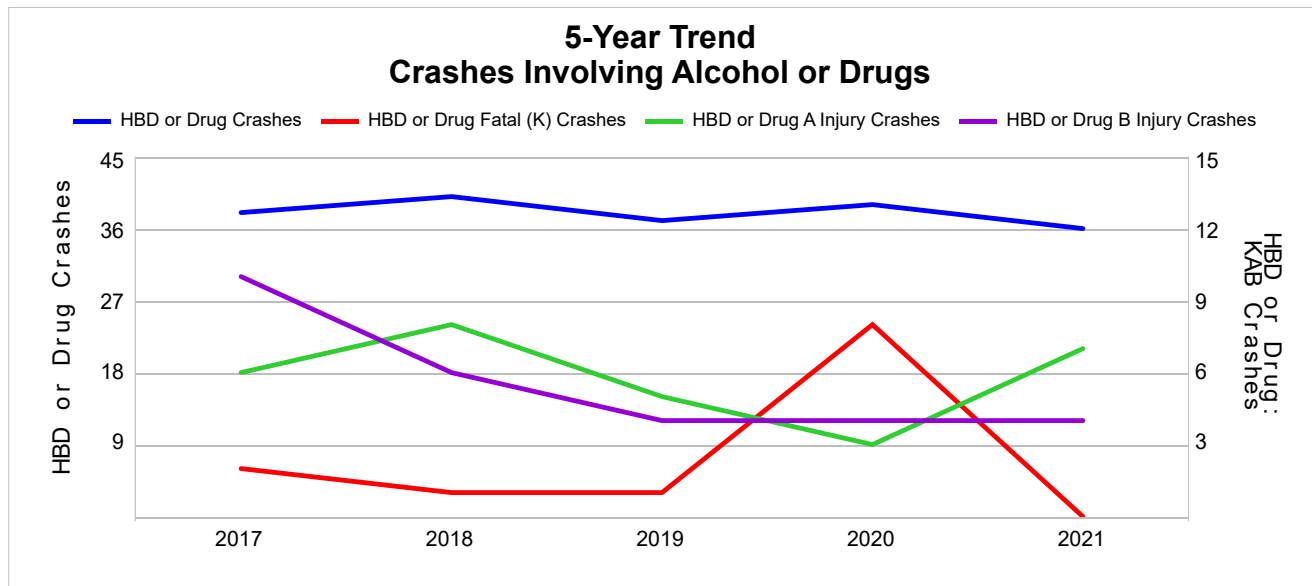


## 5-Year Trend - Crashes Involving Alcohol or Drugs

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
2017	1,166	38	3.3	4	2	50.0	23	6	26.1	39	10	25.6
2018	1,224	40	3.3	3	1	33.3	31	8	25.8	43	6	14.0
2019	1,177	37	3.1	5	1	20.0	20	5	25.0	39	4	10.3
2020	1,044	39	3.7	13	8	61.5	22	3	13.6	34	4	11.8
2021	1,039 *	36 *	3.5	1 *	0 *	0.0 *	34 **	7	20.6	35	4	11.4

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)

## 2021 - 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	927	882	95.1	1	1	100.0	31	22	71.0	32	28	87.5	69	65	94.2	781	766	98.1
Motor Home	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Pickup Truck	322	296	91.9	0	0	0.0	9	3	33.3	11	10	90.9	18	17	94.4	274	266	97.1
Small Truck Under 10,000 lbs. GVWR	4	4	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0
Motorcycle	14	8	57.1	0	0	0.0	4	1	25.0	4	2	50.0	2	2	100.0	4	3	75.0
Moped/Goped	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Go-Cart/Golf Cart	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Snowmobile	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	2	2	100.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	1	1	100.0
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	9	5	55.6	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	9	5	55.6
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	43	40	93.0	0	0	0.0	1	0	0.0	0	0	0.0	2	2	100.0	39	38	97.4
Uncoded & Errors	7	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>1,328</b>	<b>1,237</b>	<b>93.1</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>46</b>	<b>27</b>	<b>58.7</b>	<b>47</b>	<b>40</b>	<b>85.1</b>	<b>91</b>	<b>86</b>	<b>94.5</b>	<b>1,112</b>	<b>1,083</b>	<b>97.4</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.

## 2021 - 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	16	15	93.8	0	0	0.0	5	4	80.0	4	4	100.0	5	5	100.0	2	2	100.0
16 - 20	133	130	97.7	0	0	0.0	7	6	85.7	9	8	88.9	13	13	100.0	104	103	99.0
21 - 24	120	113	94.2	0	0	0.0	4	1	25.0	2	2	100.0	15	14	93.3	99	96	97.0
25 - 64	875	830	94.9	1	1	100.0	25	12	48.0	29	24	82.8	45	41	91.1	773	752	97.3
65 +	155	149	96.1	0	0	0.0	5	4	80.0	3	2	66.7	13	13	100.0	134	130	97.0
Unknown	29	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>1,328</b>	<b>1,237</b>	<b>93.1</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>46</b>	<b>27</b>	<b>58.7</b>	<b>47</b>	<b>40</b>	<b>85.1</b>	<b>91</b>	<b>86</b>	<b>94.5</b>	<b>1,112</b>	<b>1,083</b>	<b>97.4</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	2017			2018			2019			2020			2021		
	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	1	2	0	0	1	0	0	4	0	2	2	0	0
Shoulder Belt Only Used	10	0	4	1	0	0	1	0	0	4	0	1	6	0	1
Lap Belt Only Used	6	0	2	4	0	1	5	0	2	1	0	0	1	0	0
Both Lap & Shoulder Belt Used	1,274	6	88	1,352	1	123	1,309	1	78	1,141	5	78	1,181	1	106
No Belts Used	8	0	5	10	1	3	12	1	8	15	2	8	9	0	7
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	43	0	4	35	0	4	44	0	3	59	1	5	64	0	9
Helmet Worn	4	0	3	9	0	6	6	0	5	9	1	7	6	0	3
Helmet Not Worn	2	0	2	1	1	0	5	1	3	3	2	0	3	0	3
Helmet Use Unknown	0	0	0	0	0	0	0	0	0	1	0	1	2	0	1
Uncoded & Errors	2	0	0	3	0	0	1	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1,351</b>	<b>6</b>	<b>109</b>	<b>1,417</b>	<b>3</b>	<b>137</b>	<b>1,384</b>	<b>3</b>	<b>99</b>	<b>1,237</b>	<b>11</b>	<b>102</b>	<b>1,274</b>	<b>1</b>	<b>130</b>

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

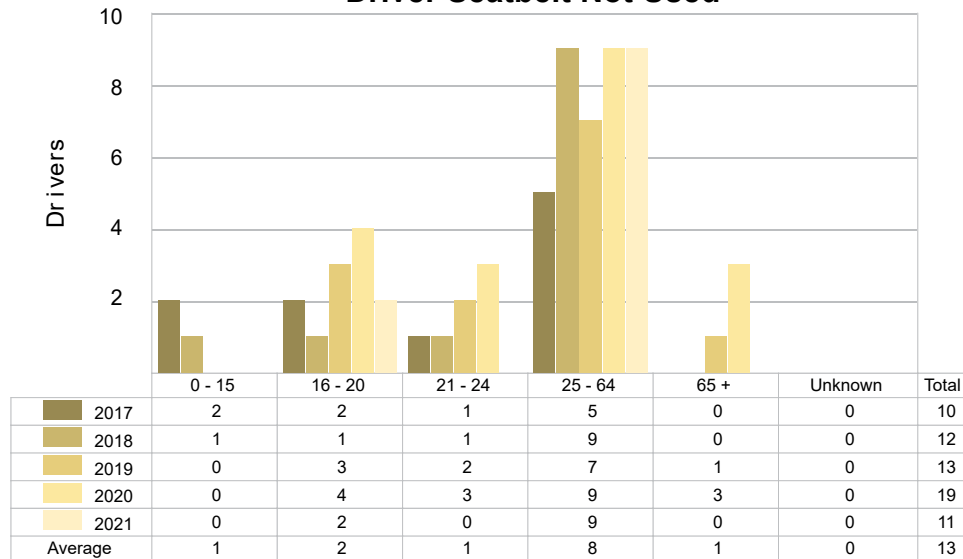
Restraint Use	2017			2018			2019			2020			2021		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No Belts Available	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0
Shoulder Belt Only Used	2	0	2	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 Belt Used	24	2	11	29	0	17	23	0	5	16	1	5	20	0	8
No Belts Used	2	0	1	4	1	3	2	0	2	4	1	1	3	0	2
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	6	0	2	6	0	1	8	0	2	13	1	2	12	0	4
Helmet Worn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Helmet Not Worn	2	0	2	0	0	0	1	0	0	1	1	0	0	0	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>37</b>	<b>2</b>	<b>19</b>	<b>39</b>	<b>1</b>	<b>21</b>	<b>34</b>	<b>0</b>	<b>9</b>	<b>35</b>	<b>4</b>	<b>8</b>	<b>35</b>	<b>0</b>	<b>14</b>

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

Age Group	2017			2018			2019			2020			2021		
	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	1	0	0	0	0	0	0	0	0	0	0	0
16 - 20	2	0	2	1	0	1	3	0	3	4	0	3	2	0	1
21 - 24	1	0	0	1	0	0	2	0	2	3	0	3	0	0	0
25 - 64	5	0	4	9	1	2	7	1	2	9	1	4	9	0	6
65 +	0	0	0	0	0	0	1	0	1	3	1	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>10</b>	<b>0</b>	<b>6</b>	<b>12</b>	<b>1</b>	<b>3</b>	<b>13</b>	<b>1</b>	<b>8</b>	<b>19</b>	<b>2</b>	<b>10</b>	<b>11</b>	<b>0</b>	<b>7</b>

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

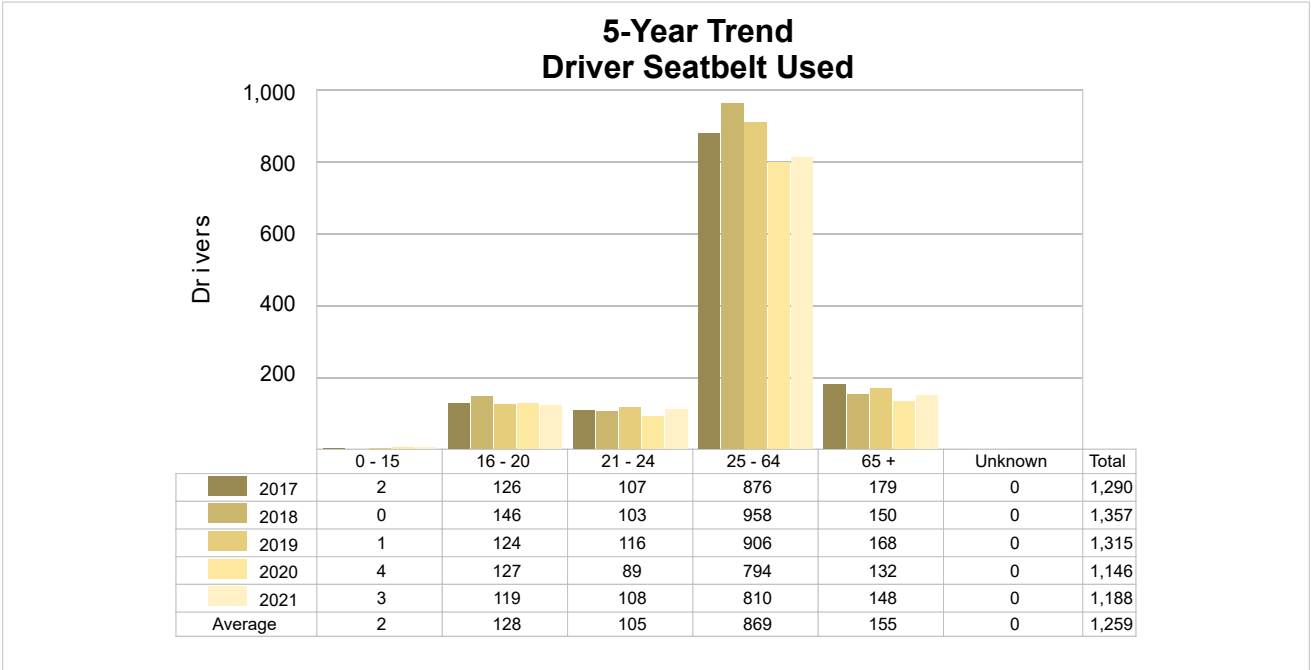
### 5-Year Trend Driver Seatbelt Not Used



5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2017			2018			2019			2020			2021		
	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	0	0	0	1	0	0	4	0	1	3	0	1
16 - 20	126	1	15	146	0	19	124	0	10	127	0	14	119	0	17
21 - 24	107	0	12	103	0	16	116	0	8	89	2	4	108	0	12
25 - 64	876	3	47	958	0	78	906	1	52	794	2	48	810	1	59
65 +	179	2	19	150	1	11	168	0	10	132	1	12	148	0	18
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,290	6	94	1,357	1	124	1,315	1	80	1,146	5	79	1,188	1	107

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	2017		2018		2019		2020		2021	
	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	952	6	963	2	903	2	843	6	840	1
Speed Too Fast	162	0	199	0	212	1	154	4	150	0
Speed Too Slow	3	0	1	0	1	0	1	0	0	0
Failed to Yield	57	0	42	2	35	0	50	0	56	1
Disregard Traffic Control	12	0	6	0	8	0	5	0	13	0
Drove Wrong Way	2	1	0	0	1	0	0	0	0	0
Drove Left of Center	1	0	7	0	5	0	4	2	3	0
Improper Passing	5	0	9	0	6	0	6	0	4	0
Improper Lane Use	7	1	5	0	8	0	5	0	17	0
Improper Turn	6	1	6	0	5	0	6	0	7	0
Improper/No Signal	1	0	1	0	1	0	1	0	1	0
Improper Backing	14	0	18	0	21	0	13	0	11	0
Unable to Stop in Assured Clear Distance	33	1	42	0	53	1	37	0	52	0
Other	29	0	31	0	37	0	38	1	37	0
Unknown	19	1	41	1	39	2	23	1	39	0
Reckless Driving	8	0	7	0	8	0	17	1	4	0
Careless/Negligent Driving	39	0	39	1	41	0	34	4	40	0
Uncoded & Errors	1	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1,351</b>	<b>11</b>	<b>1,417</b>	<b>6</b>	<b>1,384</b>	<b>6</b>	<b>1,237</b>	<b>19</b>	<b>1,274</b>	<b>2</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)

