



2019

**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

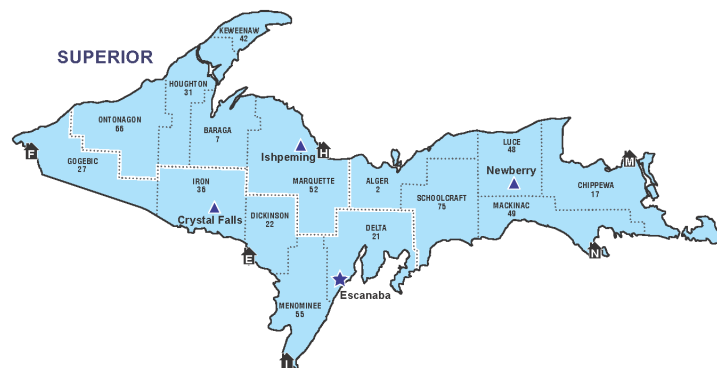
Property Damage Only (PDO)



## MDOT Region - Superior

### 2019 Traffic Crash Data & 2015-2019 5-Year Trends

Beginning October 2015, MDOT Region - Superior is comprised of Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon, and Schoolcraft counties. Trend tables for this report are based on those counties.



### 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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## MDOT Region - Superior Experience

In 2019:

There were 13,024 drivers involved in 9,140 motor vehicle crashes in MDOT Region Superior. Of those crashes, 37 were classified as fatal, resulting in 40 fatalities. An additional 1,548 persons were injured.

MDOT Region Superior experienced the highest number of motor vehicle crashes (1,080) in November, the highest number of fatal crashes (6) in January and September, and the highest number of persons killed (7) in January.

Michigan driver statistics indicate 5.6 percent of licensed drivers in MDOT Region Superior were age 16-20, and 10.7 percent of drivers in crashes were also in that age group.

## 2019 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	926	6	114	806	7	164
February	977	2	114	861	2	162
March	632	3	76	553	4	97
April	572	1	57	514	1	80
May	550	4	71	475	5	90
June	692	4	93	595	4	127
July	698	4	125	569	4	171
August	625	2	110	513	2	154
September	577	6	79	492	6	102
October	872	4	114	754	4	145
November	1,080	1	97	982	1	134
December	939	0	80	859	0	122
<b>Total</b>	<b>9,140</b>	<b>37</b>	<b>1,130</b>	<b>7,973</b>	<b>40</b>	<b>1,548</b>

## 2019 - Driver Statistics

Age Group	MDOT Region - Superior			Driver Rates	
	2019 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	47,429	1,425	27	5.7	189.5
16 - 20	20,635	12,305	1,394	675.6	1,132.9
21 - 24	18,719	11,632	1,158	618.6	995.5
25 - 64	143,813	131,878	7,672	533.5	581.7
65 +	68,255	63,049	2,051	300.5	325.3
Unknown	0	0	722	- -	- -
<b>Total</b>	<b>298,851</b>	<b>220,289</b>	<b>13,024</b>	<b>435.8</b>	<b>591.2</b>

## 2019 - 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	9,102	69.9	23	44.2	1,234	7,845
Motor home	21	0.2	0	0.0	3	18
Pickup truck	2,936	22.5	12	23.1	376	2,548
Small truck under 10,000 lbs. GVWR	47	0.4	0	0.0	5	42
Motorcycle	102	0.8	6	11.5	67	29
Moped / goped	5	0.0	0	0.0	4	1
Go-cart / golf cart	1	0.0	0	0.0	0	1
Snowmobile	89	0.7	5	9.6	69	15
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	54	0.4	2	3.8	39	13
Other	71	0.5	0	0.0	3	68
Truck/bus over 10,000 lbs.	404	3.1	4	7.7	47	353
Unknown	192	1.5	0	0.0	6	186
<b>Total</b>	<b>13,024</b>	<b>100.0</b>	<b>52</b>	<b>100.0</b>	<b>1,853</b>	<b>11,119</b>

## 5-Year Trend - Crashes by Month

Month	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	992	2	857	5	861	2	976	2	926	6
February	952	0	713	4	783	3	675	2	977	2
March	600	0	467	2	676	3	613	4	632	3
April	525	2	550	0	516	4	596	1	572	1
May	473	1	494	1	494	3	519	2	550	4
June	579	1	667	6	706	5	686	2	692	4
July	592	6	591	3	676	3	686	4	698	4
August	568	4	603	1	637	1	588	3	625	2
September	604	1	603	1	794	2	684	5	577	6
October	703	4	732	1	1,015	1	864	1	872	4
November	841	2	924	2	1,119	2	1,145	3	1,080	1
December	670	2	1,063	3	1,265	6	916	4	939	0
<b>Total</b>	<b>8,099</b>	<b>25</b>	<b>8,264</b>	<b>29</b>	<b>9,542</b>	<b>35</b>	<b>8,948</b>	<b>33</b>	<b>9,140</b>	<b>37</b>

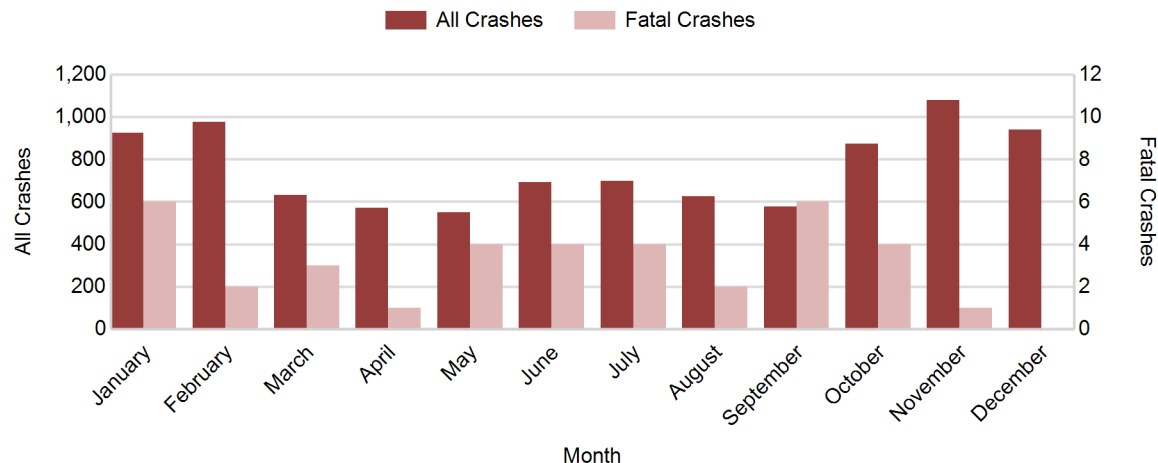
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

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

Day	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	1,094	1	1,205	4	1,225	4	1,323	4	1,306	5
Tuesday	1,096	3	1,129	4	1,367	4	1,159	4	1,244	4
Wednesday	1,192	4	1,151	5	1,411	6	1,324	5	1,452	4
Thursday	1,277	2	1,286	5	1,407	4	1,337	5	1,395	8
Friday	1,362	5	1,315	4	1,638	11	1,546	3	1,442	7
Saturday	1,115	4	1,153	2	1,343	3	1,173	7	1,240	7
Sunday	963	6	1,025	5	1,151	3	1,086	5	1,061	2
<b>Total</b>	<b>8,099</b>	<b>25</b>	<b>8,264</b>	<b>29</b>	<b>9,542</b>	<b>35</b>	<b>8,948</b>	<b>33</b>	<b>9,140</b>	<b>37</b>

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

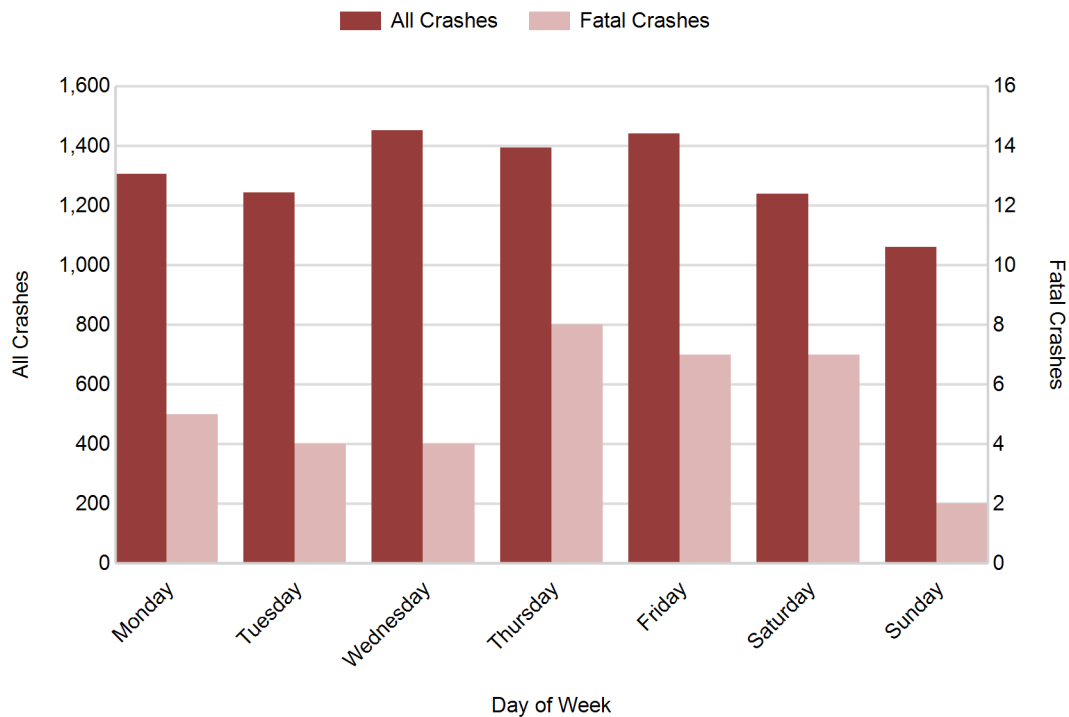
## 2019 Crashes by Month



## 2019 - 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	1,306	14.3	5	13.5	37	41	87	1,136
Tuesday	1,244	13.6	4	10.8	23	45	81	1,091
Wednesday	1,452	15.9	4	10.8	25	48	95	1,280
Thursday	1,395	15.3	8	21.6	29	45	101	1,212
Friday	1,442	15.8	7	18.9	20	46	107	1,262
Saturday	1,240	13.6	7	18.9	40	47	83	1,063
Sunday	1,061	11.6	2	5.4	26	46	58	929
<b>Total</b>	<b>9,140</b>	<b>100.0</b>	<b>37</b>	<b>100.0</b>	<b>200</b>	<b>318</b>	<b>612</b>	<b>7,973</b>

## 2019 Day of Week and Severity

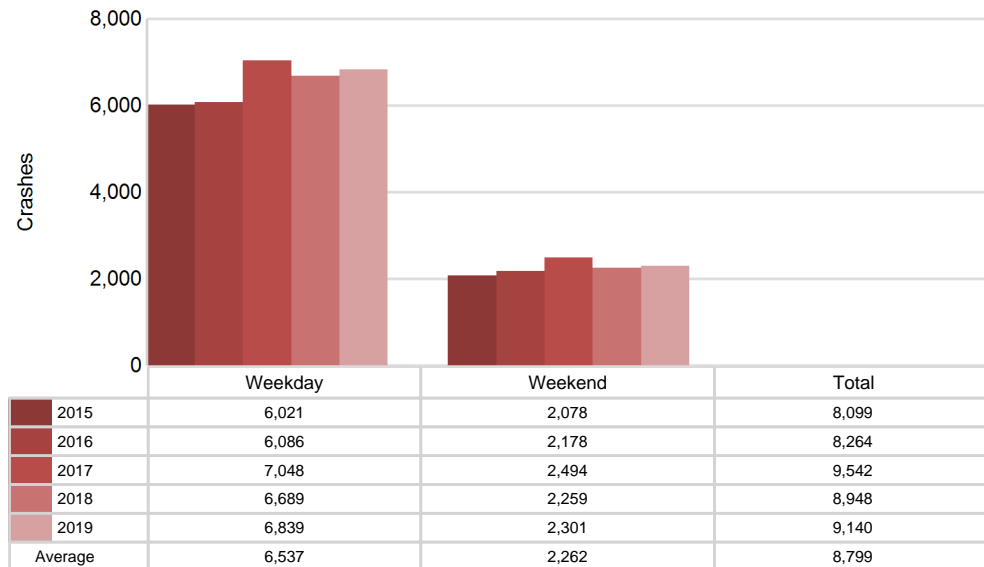


## MDOT Region - Superior (continued)

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

Portion of Week	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	6,021	15	6,086	22	7,048	29	6,689	21	6,839	28
Weekend	2,078	10	2,178	7	2,494	6	2,259	12	2,301	9
<b>Total</b>	<b>8,099</b>	<b>25</b>	<b>8,264</b>	<b>29</b>	<b>9,542</b>	<b>35</b>	<b>8,948</b>	<b>33</b>	<b>9,140</b>	<b>37</b>

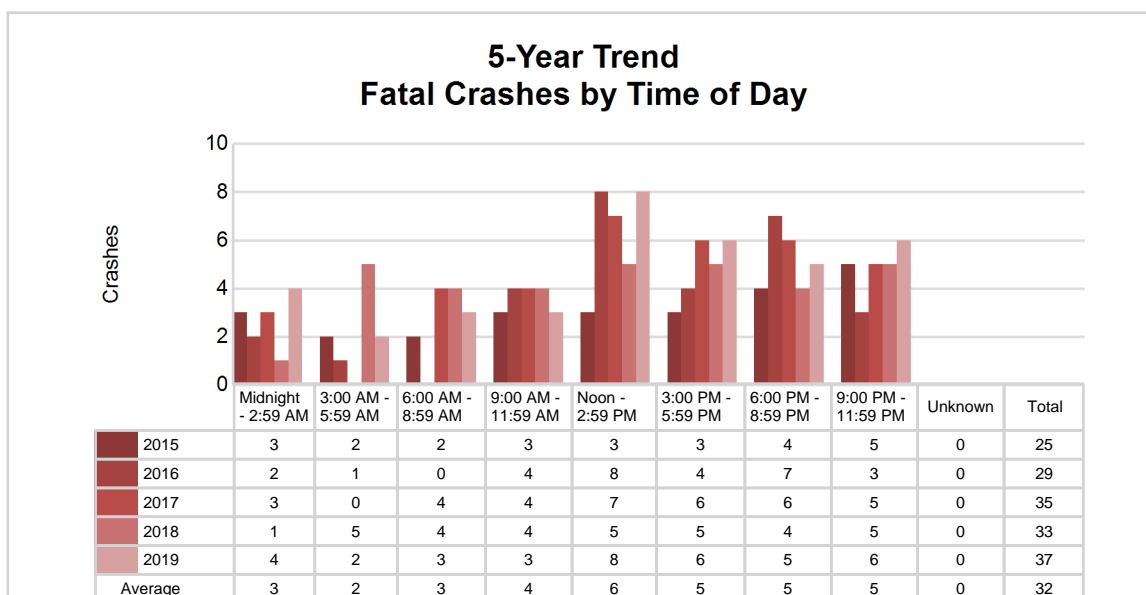
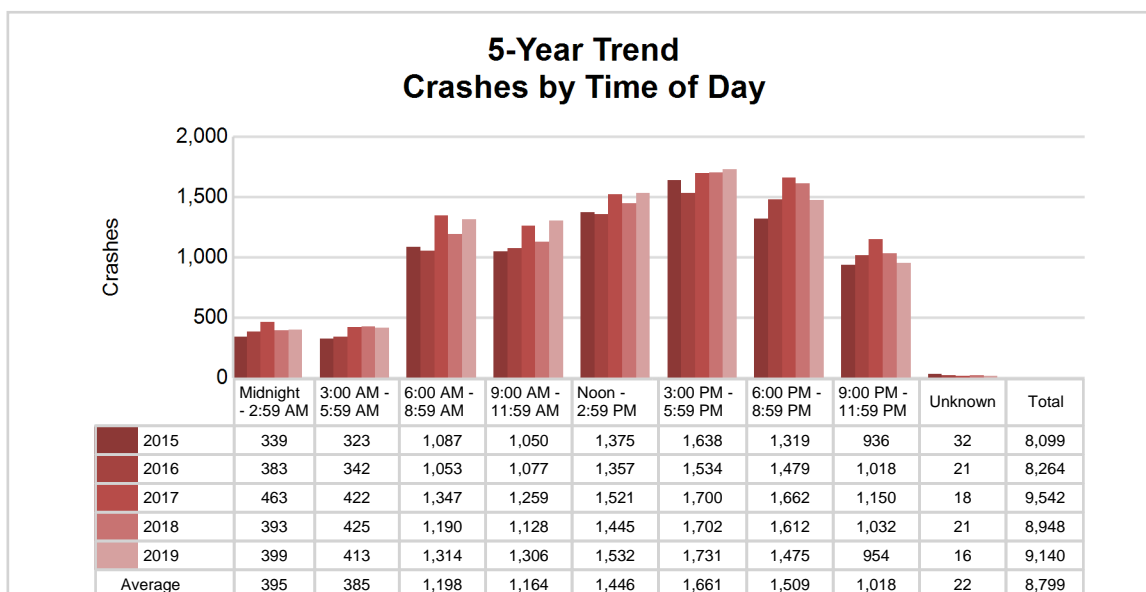
### 5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



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

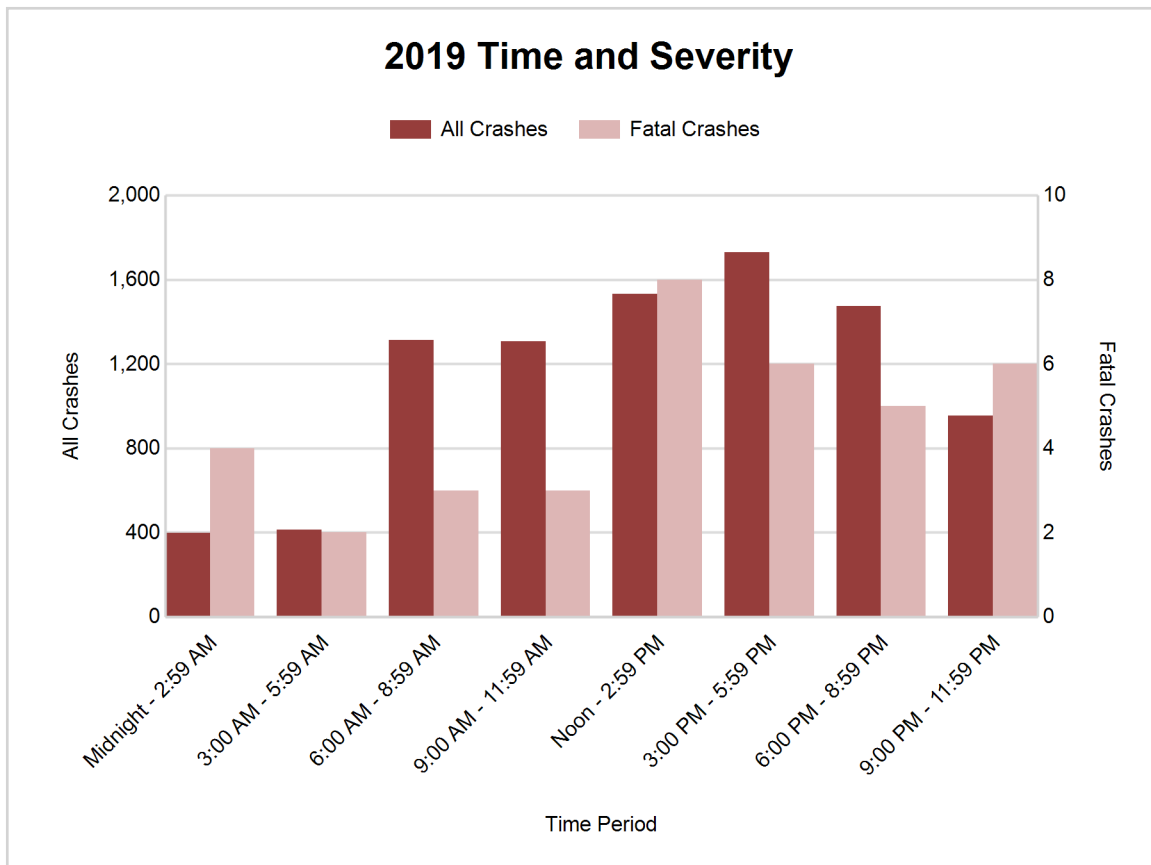
Time of Day	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	339	3	383	2	463	3	393	1	399	4
3:00 AM - 5:59 AM	323	2	342	1	422	0	425	5	413	2
6:00 AM - 8:59 AM	1,087	2	1,053	0	1,347	4	1,190	4	1,314	3
9:00 AM - 11:59 AM	1,050	3	1,077	4	1,259	4	1,128	4	1,306	3
Noon - 2:59 PM	1,375	3	1,357	8	1,521	7	1,445	5	1,532	8
3:00 PM - 5:59 PM	1,638 †	3	1,534 †	4	1,700 †	6	1,702 †	5	1,731 †	6
6:00 PM - 8:59 PM	1,319	4	1,479	7	1,662	6	1,612	4	1,475	5
9:00 PM - 11:59 PM	936	5	1,018	3	1,150	5	1,032	5	954	6
Unknown	32	0	21	0	18	0	21	0	16	0
<b>Total</b>	<b>8,099</b>	<b>25</b>	<b>8,264</b>	<b>29</b>	<b>9,542</b>	<b>35</b>	<b>8,948</b>	<b>33</b>	<b>9,140</b>	<b>37</b>

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



## 2019 - 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	399	4.4	4	10.8	12	18	24	341
3:00 AM - 5:59 AM	413	4.5	2	5.4	12	10	20	369
6:00 AM - 8:59 AM	1,314	14.4	3	8.1	12	30	82	1,187
9:00 AM - 11:59 AM	1,306	14.3	3	8.1	29	50	88	1,136
Noon - 2:59 PM	1,532	16.8	8	21.6	41	69	128	1,286
3:00 PM - 5:59 PM	1,731	18.9	6	16.2	51	79	145	1,450
6:00 PM - 8:59 PM	1,475	16.1	5	13.5	28	41	86	1,315
9:00 PM - 11:59 PM	954	10.4	6	16.2	15	21	39	873
Unknown	16	0.2	0	0.0	0	0	0	16
<b>Total</b>	<b>9,140</b>	<b>100.0</b>	<b>37</b>	<b>100.0</b>	<b>200</b>	<b>318</b>	<b>612</b>	<b>7,973</b>

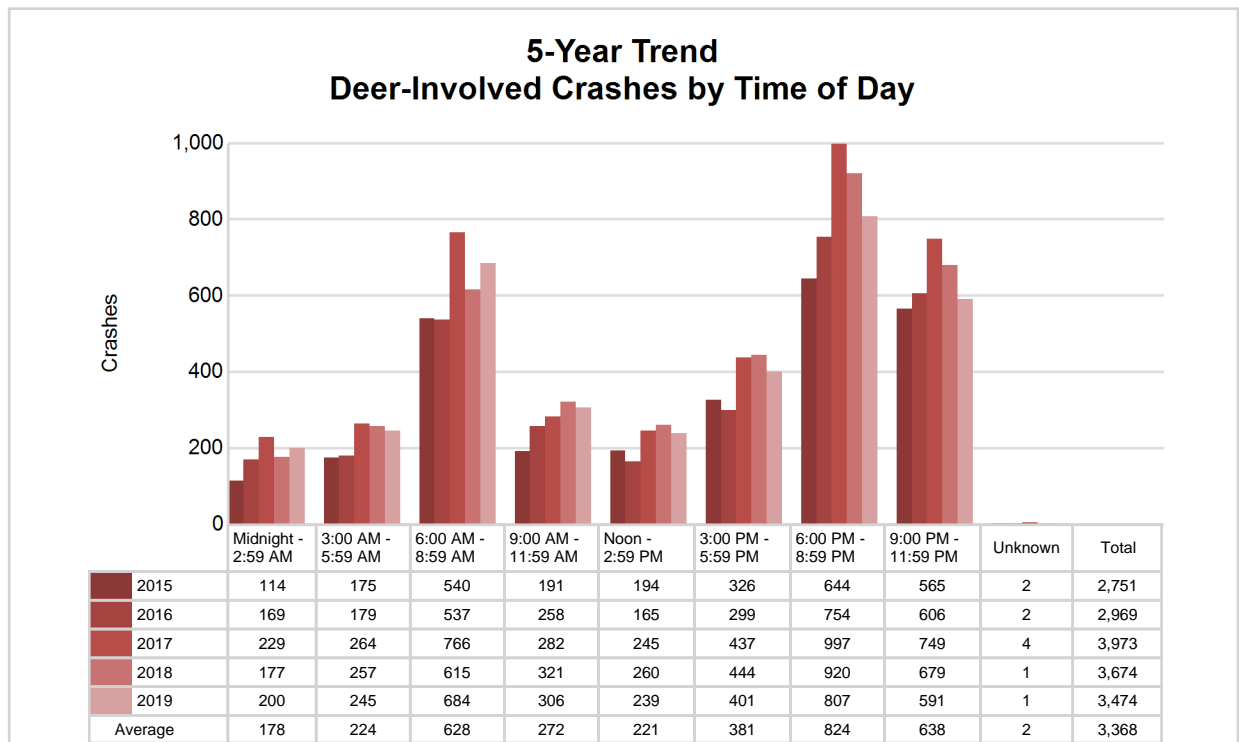


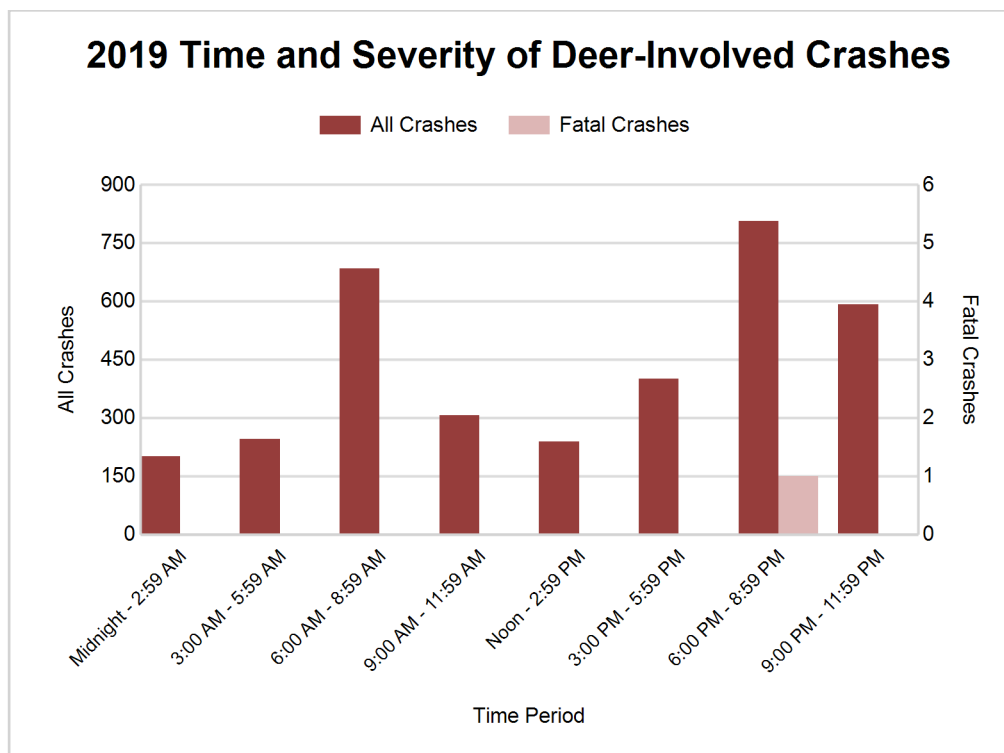


## 5-Year Trend - Deer-Involved Crashes by Time of Day

Time of Day	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	114	0	169	0	229	1	177	0	200	0
3:00 AM - 5:59 AM	175	0	179	0	264	0	257	0	245	0
6:00 AM - 8:59 AM	540	0	537	0	766	0	615	1	684	0
9:00 AM - 11:59 AM	191	0	258	0	282	0	321	1	306	0
Noon - 2:59 PM	194	0	165	0	245	1	260	0	239	0
3:00 PM - 5:59 PM	326	0	299	0	437	0	444	0	401	0
6:00 PM - 8:59 PM	644 †	0	754 †	0	997 †	0	920 †	0	807 †	1
9:00 PM - 11:59 PM	565	0	606	0	749	0	679	0	591	0
Unknown	2	0	2	0	4	0	1	0	1	0
<b>Total</b>	<b>2,751</b>	<b>0</b>	<b>2,969</b>	<b>0</b>	<b>3,973</b>	<b>2</b>	<b>3,674</b>	<b>2</b>	<b>3,474</b>	<b>1</b>

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





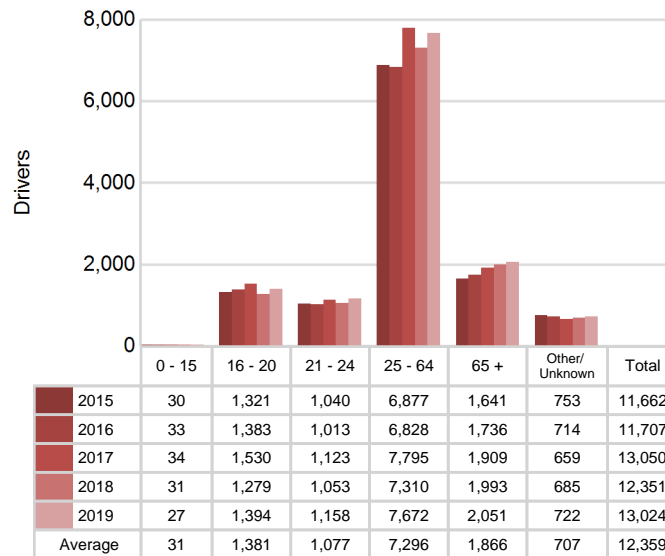
### 2019 - Reported Motor Vehicle Crashes by County

County	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Alger	285	4	48	233	0	24	160	94	15	6	81	5	64
Baraga	290	2	32	256	0	143	43	102	8	4	170	2	51
Chippewa	934	3	109	822	226	0	235	465	36	12	263	3	142
Delta	1,316	3	137	1,176	0	545	192	564	25	17	576	3	192
Dickinson	899	1	103	795	0	323	246	325	29	12	448	1	143
Gogebic	234	1	48	185	0	120	18	94	17	4	76	2	70
Houghton	863	4	108	751	0	302	204	338	33	5	186	4	143
Iron	476	1	33	442	0	234	82	157	17	5	321	1	51
Keweenaw	61	0	10	51	0	37	5	19	3	0	18	0	14
Luce	180	0	25	155	0	0	105	75	10	1	84	0	38
Mackinac	660	3	58	599	130	201	161	161	19	6	356	4	77
Marquette	1,803	8	268	1,527	0	528	269	998	60	35	350	8	358
Menominee	428	4	90	334	0	171	56	201	24	6	117	4	124
Ontonagon	289	2	21	266	0	65	172	51	4	4	184	2	27
Schoolcraft	422	1	40	381	0	177	124	118	13	5	244	1	54
<b>Total</b>	<b>9,140</b>	<b>37</b>	<b>1,130</b>	<b>7,973</b>	<b>356</b>	<b>2,870</b>	<b>2,072</b>	<b>3,762</b>	<b>313</b>	<b>122</b>	<b>3,474</b>	<b>40</b>	<b>1,548</b>

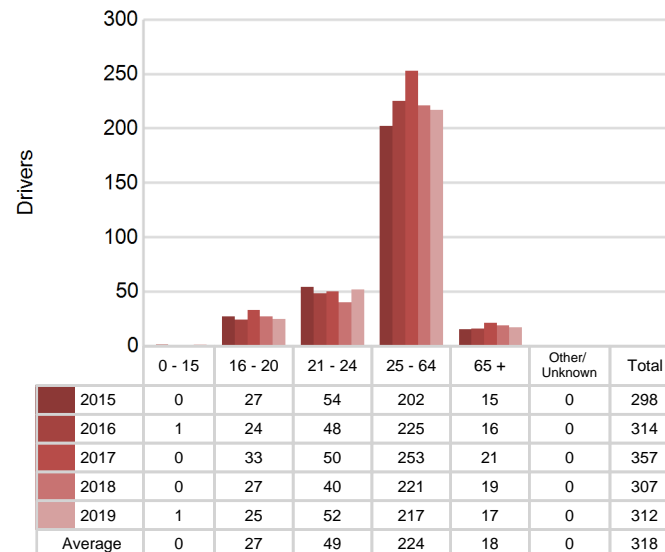
## 5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2015		2016		2017		2018		2019	
	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	30	0	33	1	34	0	31	0	27	1
16 - 20	1,321	27	1,383	24	1,530	33	1,279	27	1,394	25
21 - 24	1,040	54	1,013	48	1,123	50	1,053	40	1,158	52
25 - 64	6,877	202	6,828	225	7,795	253	7,310	221	7,672	217
65 +	1,641	15	1,736	16	1,909	21	1,993	19	2,051	17
Unknown	753	0	714	0	659	0	685	0	722	0
<b>Total</b>	<b>11,662</b>	<b>298</b>	<b>11,707</b>	<b>314</b>	<b>13,050</b>	<b>357</b>	<b>12,351</b>	<b>307</b>	<b>13,024</b>	<b>312</b>

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



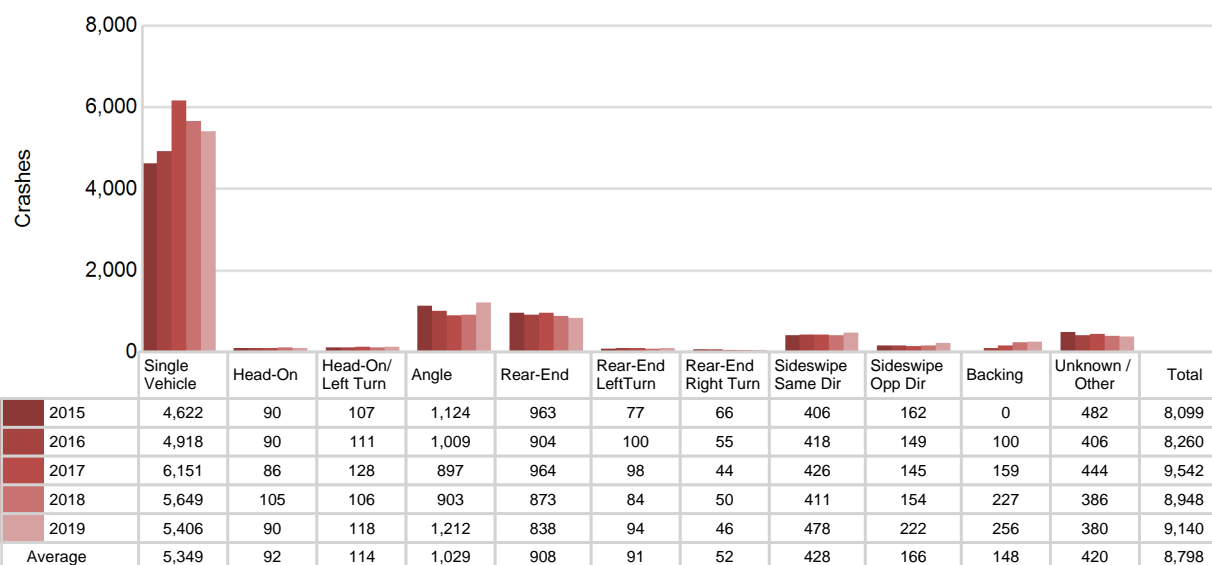
**5-Year Trend  
Total Drivers Coded Drinking by Age**



## 5-Year Trend - Crashes by Crash Type

Crash Type	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Single motor vehicle	4,622	15	4,918	17	6,151	18	5,649	11	5,406	23
Head-on	90	4	90	2	86	3	105	9	90	3
Head-on / left turn	107	1	111	1	128	0	106	2	118	1
Angle	1,124	3	1,009	5	897	6	903	6	1,212	8
Rear-end	963	2	904	3	964	5	873	2	838	0
Rear-end left turn	77	0	100	0	98	0	84	0	94	0
Rear-end right turn	66	0	55	0	44	0	50	0	46	0
Sideswipe same direction	406	0	418	0	426	0	411	0	478	0
Sideswipe opposite direction	162	0	149	0	145	0	154	1	222	2
Backing	0	0	100	0	159	0	227	0	256	0
Other / Unknown	482	0	406	1	444	3	386	2	380	0
Uncoded and Errors	0	0	4	0	0	0	0	0	0	0
<b>Total</b>	<b>8,099</b>	<b>25</b>	<b>8,264</b>	<b>29</b>	<b>9,542</b>	<b>35</b>	<b>8,948</b>	<b>33</b>	<b>9,140</b>	<b>37</b>

### 5-Year Trend Crashes by Crash Type



## 2019 - 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	2	1	1	1	0	0	1	0	0
16 - 20	38	42	23	25	0	6	10	6	3
21 - 24	57	49	42	52	0	6	12	14	20
25 - 64	264	230	159	217	0	23	51	56	87
65 +	31	28	14	17	0	4	5	4	4
Unknown	18	0	0	0	0	0	0	0	0
<b>Total</b>	<b>410</b>	<b>350</b>	<b>239</b>	<b>312</b>	<b>0</b>	<b>39</b>	<b>79</b>	<b>80</b>	<b>114</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 2019, there were 410 drivers in alcohol-involved crashes; 312 (76.1%) of those drivers were coded as had-been-drinking by the officer on the crash form.

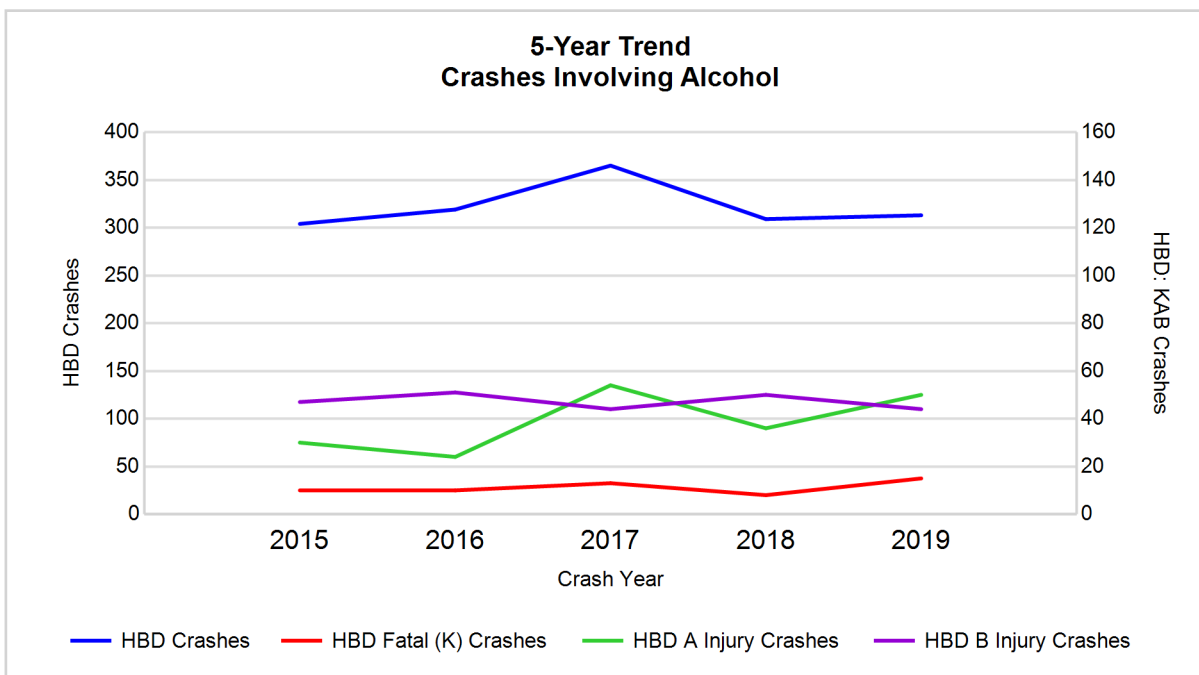
- 159 (51.0%) of the 312 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 80 (50.3%) of the 159 drivers had a BAC at or above 0.17 g/dL.
- 239 (76.6%) of the 312 drivers were coded as had-been-drinking and were tested for alcohol consumption.

## 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
2015	8,099	304	3.8	25	10	40.0	166	30	18.1	286	47	16.4
2016	8,264	319	3.9	29	10	34.5	166	24	14.5	349	51	14.6
2017	9,542	365	3.8	35	13	37.1	195	54	27.7	333	44	13.2
2018	8,948	309	3.5	33	8	24.2	182	36	19.8	338	50	14.8
2019	9,140	313	3.4*	37**	15**	40.5**	200**	50	25.0	318	44	13.8

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



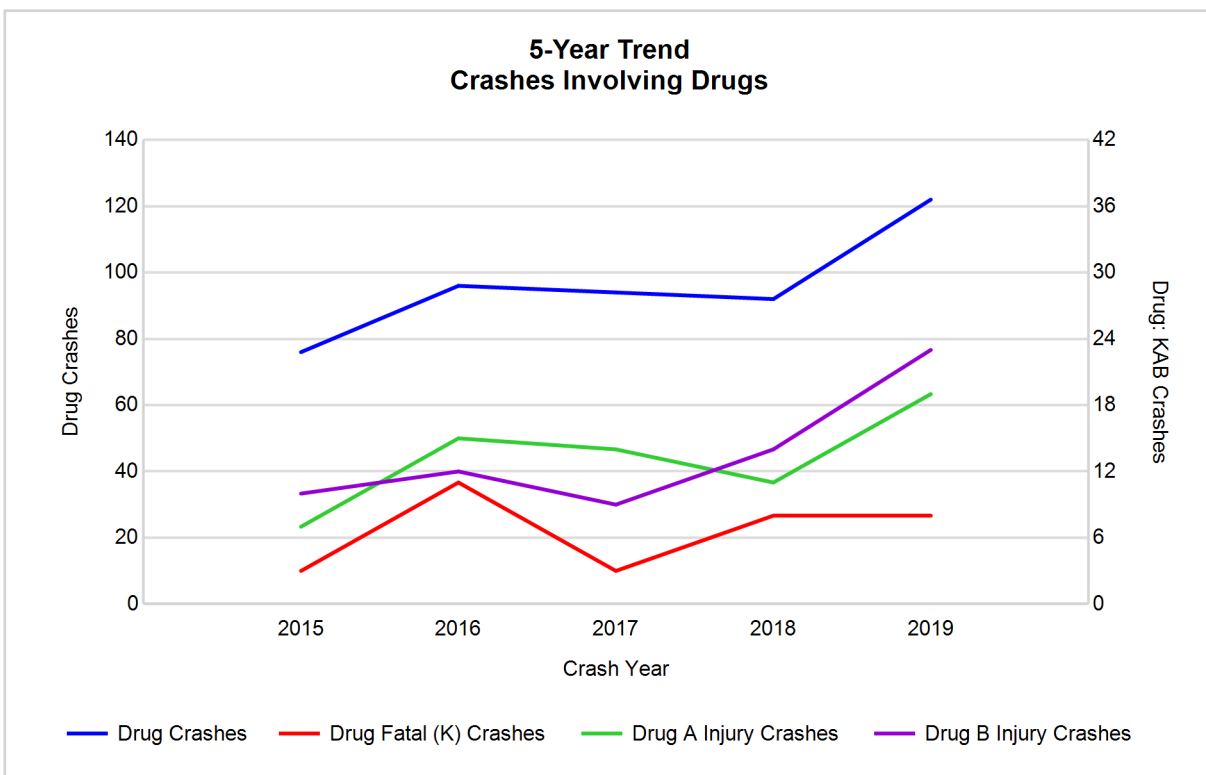
Note: Had-Been-Drinking (HBD)

## 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
2015	8,099	76	0.9	25	3	12.0	166	7	4.2	286	10	3.5
2016	8,264	96	1.2	29	11	37.9	166	15	9.0	349	12	3.4
2017	9,542	94	1.0	35	3	8.6	195	14	7.2	333	9	2.7
2018	8,948	92	1.0	33	8	24.2	182	11	6.0	338	14	4.1
2019	9,140	122**	1.3**	37**	8	21.6	200**	19**	9.5**	318	23**	7.2**

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

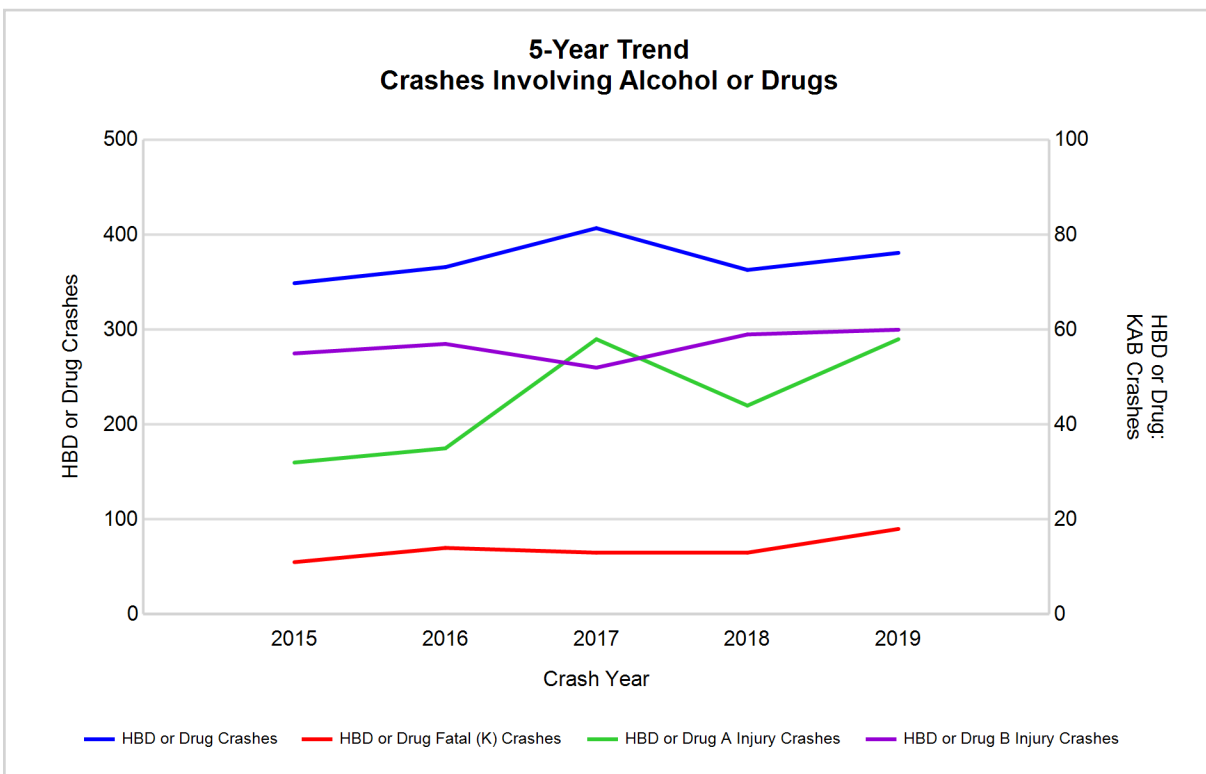


## 5-Year Trend - Crashes Involving Alcohol or Drugs

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
2015	8,099	349	4.3	25	11	44.0	166	32	19.3	286	55	19.2
2016	8,264	366	4.4	29	14	48.3	166	35	21.1	349	57	16.3
2017	9,542	407	4.3	35	13	37.1	195	58	29.7	333	52	15.6
2018	8,948	363	4.1	33	13	39.4	182	44	24.2	338	59	17.5
2019	9,140	381	4.2	37**	18**	48.6**	200**	58	29.0	318	60**	18.9

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

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



Note: Had-Been-Drinking (HBD)

## 2019 - 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	9,402	8,521	90.6	21	14	66.7	112	93	83.0	254	223	87.8	672	636	94.6	7,943	7,553	95.1
Motor home	23	22	95.7	0	0	0.0	1	1	100.0	1	1	100.0	0	0	0.0	20	20	100.0
Pickup truck	3,015	2,670	88.6	2	0	0.0	39	27	69.2	77	63	81.8	144	129	89.6	2,601	2,451	94.2
Small truck under 10,000 lbs. GVWR	48	41	85.4	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	42	39	92.9
Motorcycle	109	69	63.3	6	2	33.3	30	21	70.0	25	15	60.0	13	9	69.2	30	22	73.3
Moped / goped	6	4	66.7	0	0	0.0	0	0	0.0	1	0	0.0	4	3	75.0	1	1	100.0
Go-cart / golf cart	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Snowmobile	92	86	93.5	5	4	80.0	23	23	100.0	16	15	93.8	21	20	95.2	24	24	100.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	66	32	48.5	2	1	50.0	23	9	39.1	14	10	71.4	9	7	77.8	17	5	29.4
Other	71	44	62.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	63	44	69.8
Truck/bus over 10,000 lbs.	406	371	91.4	1	0	0.0	2	1	50.0	6	4	66.7	5	5	100.0	382	361	94.5
Unknown	192	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>13,431</b>	<b>11,861</b>	<b>88.3</b>	<b>37</b>	<b>21</b>	<b>56.8</b>	<b>230</b>	<b>175</b>	<b>76.1</b>	<b>394</b>	<b>331</b>	<b>84.0</b>	<b>870</b>	<b>811</b>	<b>93.2</b>	<b>11,126</b>	<b>10,521</b>	<b>94.6</b>

Note: Restraint Use includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, child restraint used, restraint failure, and helmet worn.

## 2019 - 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	104	96	92.3	1	0	0.0	10	8	80.0	28	26	92.9	51	51	100.0	14	11	78.6
16 - 20	1,473	1,374	93.3	3	3	100.0	24	15	62.5	66	53	80.3	137	124	90.5	1,236	1,178	95.3
21 - 24	1,189	1,109	93.3	2	2	100.0	18	11	61.1	43	38	88.4	82	70	85.4	1,037	988	95.3
25 - 64	7,841	7,292	93.0	23	11	47.8	138	104	75.4	190	152	80.0	464	434	93.5	6,989	6,591	94.3
65 +	2,102	1,986	94.5	8	5	62.5	40	37	92.5	67	62	92.5	136	132	97.1	1,843	1,749	94.9
Unknown	722	4	0.6	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	7	4	57.1
<b>Total</b>	<b>13,431</b>	<b>11,861</b>	<b>88.3</b>	<b>37</b>	<b>21</b>	<b>56.8</b>	<b>230</b>	<b>175</b>	<b>76.1</b>	<b>394</b>	<b>331</b>	<b>84.0</b>	<b>870</b>	<b>811</b>	<b>93.2</b>	<b>11,126</b>	<b>10,521</b>	<b>94.6</b>

Note: Restraint Use includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, child restraint used, restraint failure, and helmet worn.



## 5-Year Trend - Restraint Use Among Drivers

Restraint Use	2015			2016			2017			2018			2019		
	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	96	0	17	44	0	3	48	0	21	15	1	0	30	0	0
Shoulder belt only used	43	0	6	77	0	7	85	0	4	66	0	11	76	0	9
Lap belt only used	33	0	3	27	0	6	26	0	2	19	0	1	32	0	1
Both lap & shoulder belts used	10,176	6	876	10,192	4	872	11,488	9	949	10,722	13	904	11,231	11	852
No belts used	97	8	39	94	5	40	101	9	50	92	7	45	89	6	33
Child restraint used	0	0	0	3	0	2	2	0	1	1	0	1	0	0	0
Child restraint not used, unavailable or improper use	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Restraint failure	8	0	0	5	0	0	6	0	1	1	0	0	5	0	0
Restraint use unknown	257	2	45	689	1	37	1,053	1	46	1,214	2	54	1,292	1	42
Helmet worn	131	2	91	123	9	90	107	5	71	131	3	84	177	7	118
Helmet not worn	50	2	39	65	3	44	48	3	35	40	2	29	53	5	36
Helmet use unknown	9	0	6	16	0	10	16	1	9	13	0	8	11	1	2
Uncoded & errors	762	0	1	371	0	1	70	0	0	37	0	0	28	0	0
<b>Total</b>	<b>11,662</b>	<b>20</b>	<b>1,123</b>	<b>11,707</b>	<b>22</b>	<b>1,112</b>	<b>13,050</b>	<b>28</b>	<b>1,189</b>	<b>12,351</b>	<b>28</b>	<b>1,137</b>	<b>13,024</b>	<b>31</b>	<b>1,093</b>

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

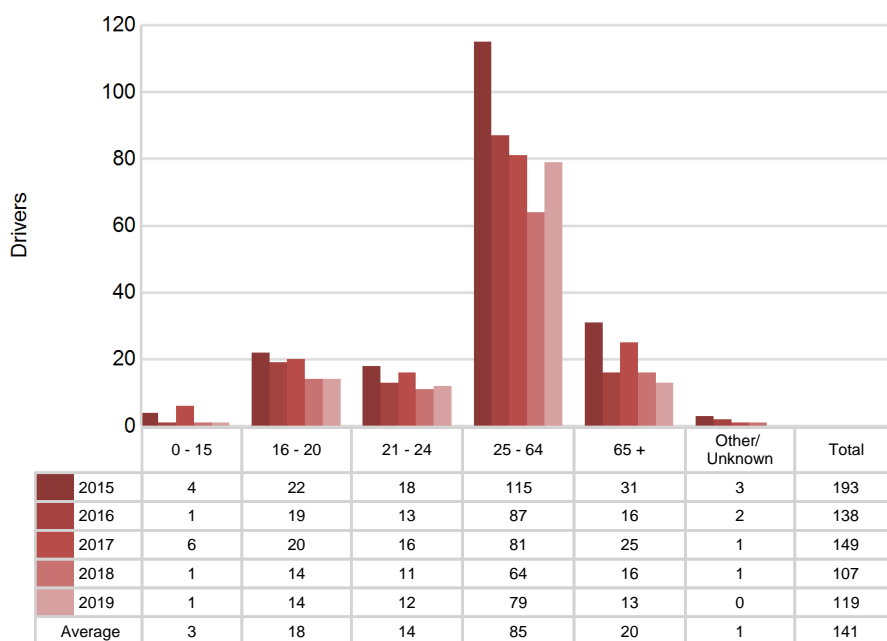
Restraint Use	2015			2016			2017			2018			2019		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	3	0	1	1	0	0	3	0	3	0	0	0	0	0	0
Shoulder belt only used	1	0	1	0	0	0	2	0	1	2	0	1	1	0	0
Lap belt only used	1	0	1	0	0	0	0	0	0	1	0	0	2	0	1
Both lap & shoulder belts used	198	1	51	209	1	57	228	1	64	176	1	47	185	2	55
No belts used	19	4	12	25	4	13	34	4	22	22	2	17	25	3	17
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	1	0	0	0	0	0	0	0	0	0	0	0
Restraint failure	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint use unknown	56	0	17	58	0	17	73	1	20	83	2	23	62	1	15
Helmet worn	9	1	7	7	1	6	8	3	4	16	0	14	17	2	14
Helmet not worn	8	1	6	8	1	6	6	1	5	4	1	3	17	3	11
Helmet use unknown	2	0	2	3	0	3	3	1	2	3	0	2	3	1	0
Uncoded & errors	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>298</b>	<b>7</b>	<b>98</b>	<b>314</b>	<b>7</b>	<b>102</b>	<b>357</b>	<b>11</b>	<b>121</b>	<b>307</b>	<b>6</b>	<b>107</b>	<b>312</b>	<b>12</b>	<b>113</b>

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

Age Group	2015			2016			2017			2018			2019		
	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	4	0	3	1	0	1	6	0	6	1	0	1	1	0	0
16 - 20	22	2	8	19	0	9	20	0	7	14	1	6	14	0	7
21 - 24	18	0	5	13	0	5	16	1	11	11	1	5	12	0	7
25 - 64	115	4	31	87	3	24	81	6	41	64	4	31	79	5	19
65 +	31	2	9	16	2	4	25	2	6	16	2	2	13	1	0
Unknown	3	0	0	2	0	0	1	0	0	1	0	0	0	0	0
<b>Total</b>	<b>193</b>	<b>8</b>	<b>56</b>	<b>138</b>	<b>5</b>	<b>43</b>	<b>149</b>	<b>9</b>	<b>71</b>	<b>107</b>	<b>8</b>	<b>45</b>	<b>119</b>	<b>6</b>	<b>33</b>

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

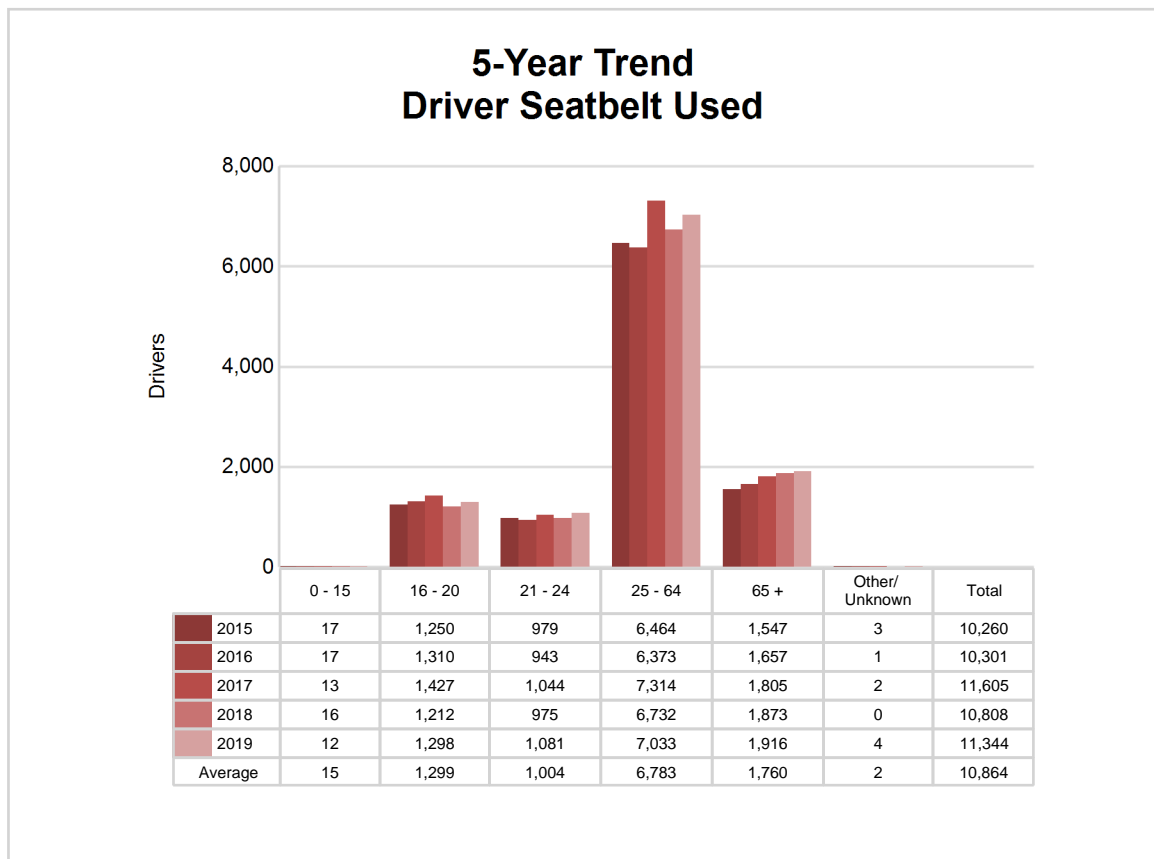
### 5-Year Trend Driver Seatbelt Not Used



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

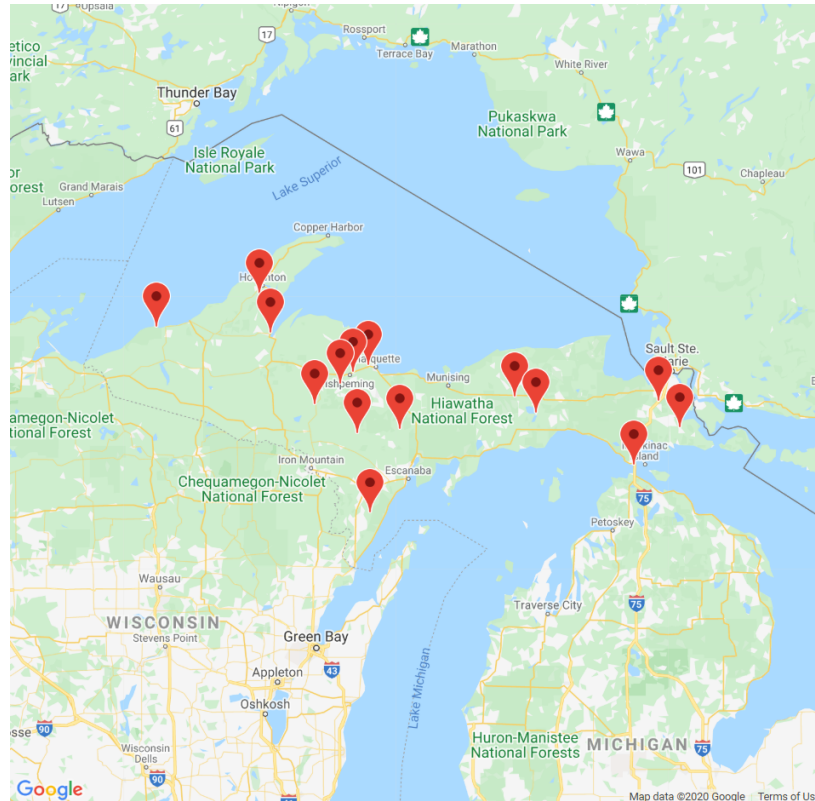
Age Group	2015			2016			2017			2018			2019		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	17	0	3	17	0	5	13	0	4	16	0	2	12	0	3
16 - 20	1,250	1	119	1,310	0	129	1,427	1	151	1,212	2	126	1,298	3	118
21 - 24	979	0	76	943	0	83	1,044	1	89	975	2	82	1,081	0	94
25 - 64	6,464	3	543	6,373	3	538	7,314	3	555	6,732	5	552	7,033	6	478
65 +	1,547	2	144	1,657	1	130	1,805	4	157	1,873	4	154	1,916	2	169
Unknown	3	0	0	1	0	0	2	0	0	0	0	0	4	0	0
Total	10,260	6	885	10,301	4	885	11,605	9	956	10,808	13	916	11,344	11	862

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	2015		2016		2017		2018		2019	
	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	6,787	14	6,770	15	7,832	20	7,405	29	7,617	16
Speed too fast	1,063	2	1,093	8	1,182	11	1,007	9	1,127	7
Speed too slow	8	0	14	0	9	0	11	0	3	0
Failed to yield	960	3	917	5	903	6	886	4	1,049	5
Disregard traffic control	152	2	137	1	111	2	122	0	153	2
Drove wrong way	14	0	10	1	6	0	9	2	9	0
Drove left of center	64	1	57	1	52	0	70	4	64	3
Improper passing	43	0	52	0	46	0	56	0	55	0
Improper lane use	132	1	127	0	135	1	151	0	148	1
Improper turn	102	1	96	0	110	0	84	1	118	0
Improper/no signal	26	0	14	0	15	0	17	0	17	0
Improper backing	325	0	331	0	263	0	283	0	313	0
Unable to stop in assured clear distance	913	0	881	2	941	4	904	2	897	0
Other	328	2	353	3	396	2	350	0	405	4
Unknown	184	5	284	2	408	3	492	4	547	10
Reckless driving	58	4	46	1	68	0	45	2	43	1
Careless/negligent driving	446	5	458	3	521	4	432	2	442	3
Uncoded & errors	57	0	67	0	52	0	27	0	17	0
<b>Total</b>	<b>11,662</b>	<b>40</b>	<b>11,707</b>	<b>42</b>	<b>13,050</b>	<b>53</b>	<b>12,351</b>	<b>59</b>	<b>13,024</b>	<b>52</b>



The picture above represents all 2019 alcohol-involved fatal crashes in MDOT Region - Superior.

In 2019, there were 313 alcohol-involved crashes in MDOT Region - Superior:

15	K - Fatal Crashes
50	A - Suspected Serious Injury Crashes
44	B - Suspected Minor Injury Crashes
39	C - Possible Injury Crashes
165	O - Property Damage Only/No Injury Crashes

### Office of Highway Safety Planning

Physical Address:  
7150 Harris Drive  
Dimondale, Michigan 48821

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

Phone: (517) 284-3112  
Fax: (517) 284-3151

Find us on the web:  
[MichiganTrafficCrashFacts.org](http://MichiganTrafficCrashFacts.org)

