



2018

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

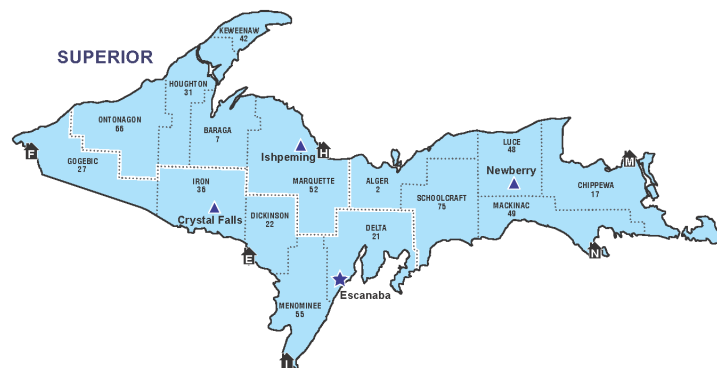
Property Damage Only (PDO)



MDOT Region - Superior

2018 Traffic Crash Data & 2014-2018 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 2018:

There were 12,351 drivers involved in 8,948 motor vehicle crashes in MDOT Region Superior. Of those crashes, 33 were classified as fatal, resulting in 35 fatalities. An additional 1,538 persons were injured.

MDOT Region Superior experienced the highest number of motor vehicle crashes (1,145) in November, the highest number of fatal crashes (5) in September, and the highest number of persons killed (5) in July and September.

Michigan driver statistics indicate 5.7 percent of licensed drivers in MDOT Region Superior were age 16-20, and 10.4 percent of drivers in crashes were also in that age group.

2018 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	976	2	100	874	3	121
February	675	2	87	586	2	117
March	613	4	77	532	4	98
April	596	1	75	520	1	100
May	519	2	79	438	2	99
June	686	2	88	596	2	115
July	686	4	115	567	5	150
August	588	3	128	457	3	193
September	684	5	110	569	5	169
October	864	1	86	777	1	115
November	1,145	3	111	1,031	3	137
December	916	4	97	815	4	124
Total	8,948	33	1,153	7,762	35	1,538

2018 - Driver Statistics

Age Group	MDOT Region - Superior			Driver Rates	
	2018 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	48,033	1,446	31	6.5	214.4
16 - 20	21,191	12,467	1,279	603.6	1,025.9
21 - 24	19,044	11,850	1,053	552.9	888.6
25 - 64	146,325	133,458	7,310	499.6	547.7
65 +	66,558	61,174	1,993	299.4	325.8
Unknown	0	0	685	- -	- -
Total	301,151	220,395	12,351	410.1	560.4

2018 - 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	8,841	71.6	39	66.1	1,233	7,569
Motor home	38	0.3	0	0.0	3	35
Pickup truck	2,661	21.5	8	13.6	371	2,282
Small truck under 10,000 lbs. GVWR	77	0.6	1	1.7	15	61
Motorcycle	85	0.7	4	6.8	58	23
Moped / goped	7	0.1	0	0.0	7	0
Go-cart / golf cart	1	0.0	0	0.0	0	1
Snowmobile	46	0.4	0	0.0	26	20
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	49	0.4	2	3.4	43	4
Other	55	0.4	0	0.0	9	46
Truck/bus over 10,000 lbs.	301	2.4	5	8.5	65	231
Unknown	190	1.5	0	0.0	10	180
Total	12,351	100.0	59	100.0	1,840	10,452

5-Year Trend - Crashes by Month

Month	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	1,152	2	992	2	857	5	861	2	976	2
February	869	2	952	0	713	4	783	3	675	2
March	779	0	600	0	467	2	676	3	613	4
April	609	0	525	2	550	0	516	4	596	1
May	539	1	473	1	494	1	494	3	519	2
June	650	3	579	1	667	6	706	5	686	2
July	591	1	592	6	591	3	676	3	686	4
August	512	3	568	4	603	1	637	1	588	3
September	591	0	604	1	603	1	794	2	684	5
October	767	3	703	4	732	1	1,015	1	864	1
November	1,087	3	841	2	924	2	1,119	2	1,145	3
December	980	2	670	2	1,063	3	1,265	6	916	4
Total	9,126	20	8,099	25	8,264	29	9,542	35	8,948	33

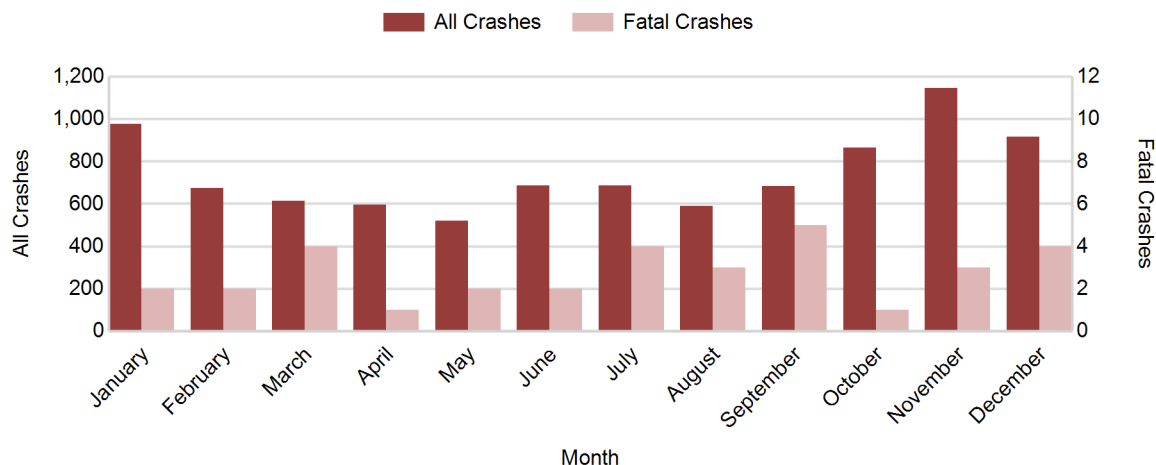
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

5-Year Trend - Crashes by Day of Week

Day	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	1,289	2	1,094	1	1,205	4	1,225	4	1,323	4
Tuesday	1,297	3	1,096	3	1,129	4	1,367	4	1,159	4
Wednesday	1,284	2	1,192	4	1,151	5	1,411	6	1,324	5
Thursday	1,367	3	1,277	2	1,286	5	1,407	4	1,337	5
Friday	1,588 †	1	1,362 †	5	1,315 †	4	1,638 †	11	1,546 †	3
Saturday	1,264	8	1,115	4	1,153	2	1,343	3	1,173	7
Sunday	1,037	1	963	6	1,025	5	1,151	3	1,086	5
Total	9,126	20	8,099	25	8,264	29	9,542	35	8,948	33

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

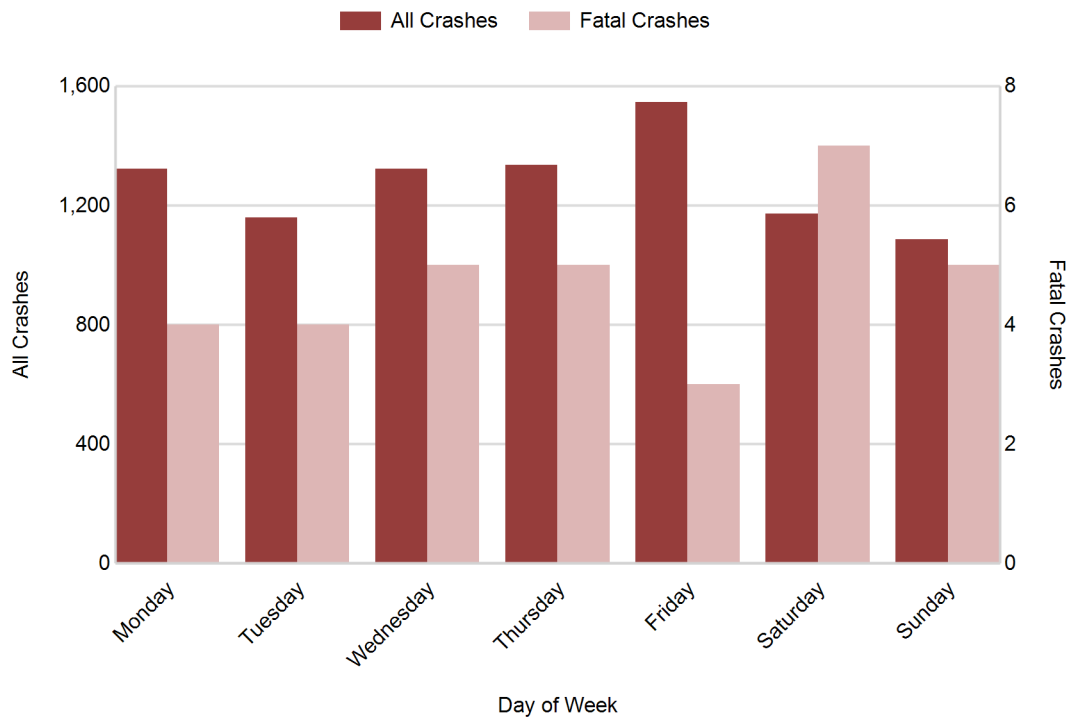
2018 Crashes by Month



2018 - 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	1,323	14.8	4	12.1	26	53	101	1,139
Tuesday	1,159	13.0	4	12.1	10	34	81	1,030
Wednesday	1,324	14.8	5	15.2	26	59	89	1,145
Thursday	1,337	14.9	5	15.2	26	53	102	1,151
Friday	1,546	17.3	3	9.1	32	54	127	1,330
Saturday	1,173	13.1	7	21.2	30	45	69	1,022
Sunday	1,086	12.1	5	15.2	32	40	64	945
Total	8,948	100.0	33	100.0	182	338	633	7,762

2018 Day of Week and Severity

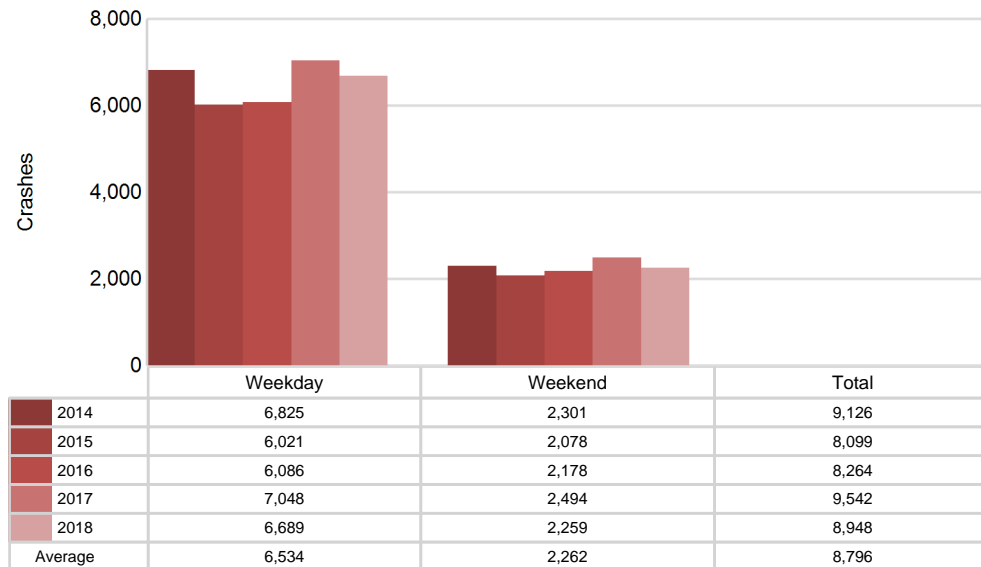


MDOT Region - Superior (continued)

5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	6,825	11	6,021	15	6,086	22	7,048	29	6,689	21
Weekend	2,301	9	2,078	10	2,178	7	2,494	6	2,259	12
Total	9,126	20	8,099	25	8,264	29	9,542	35	8,948	33

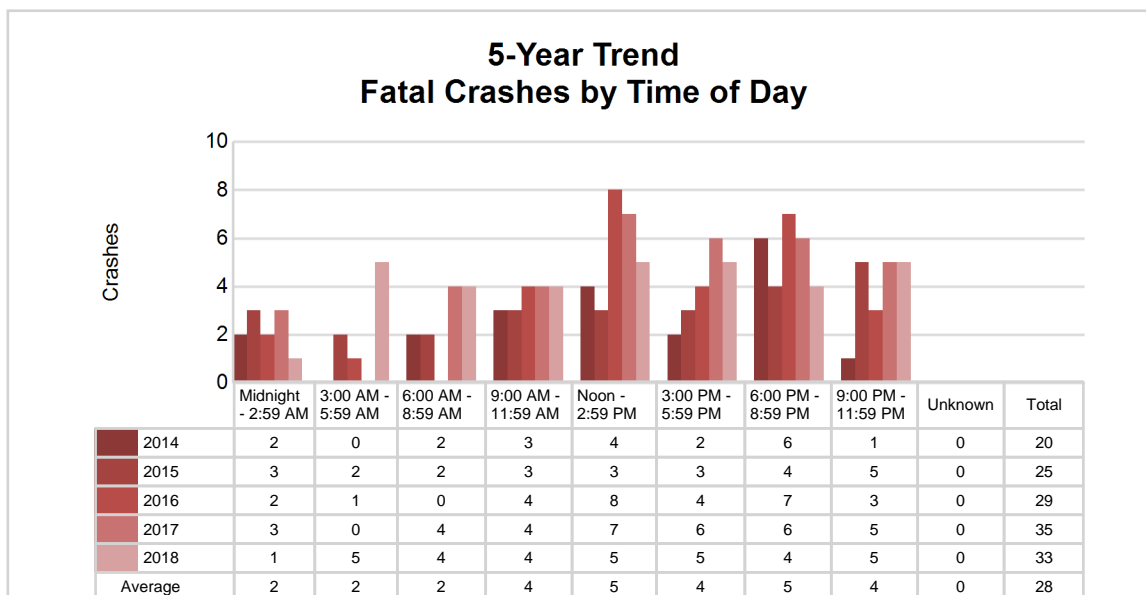
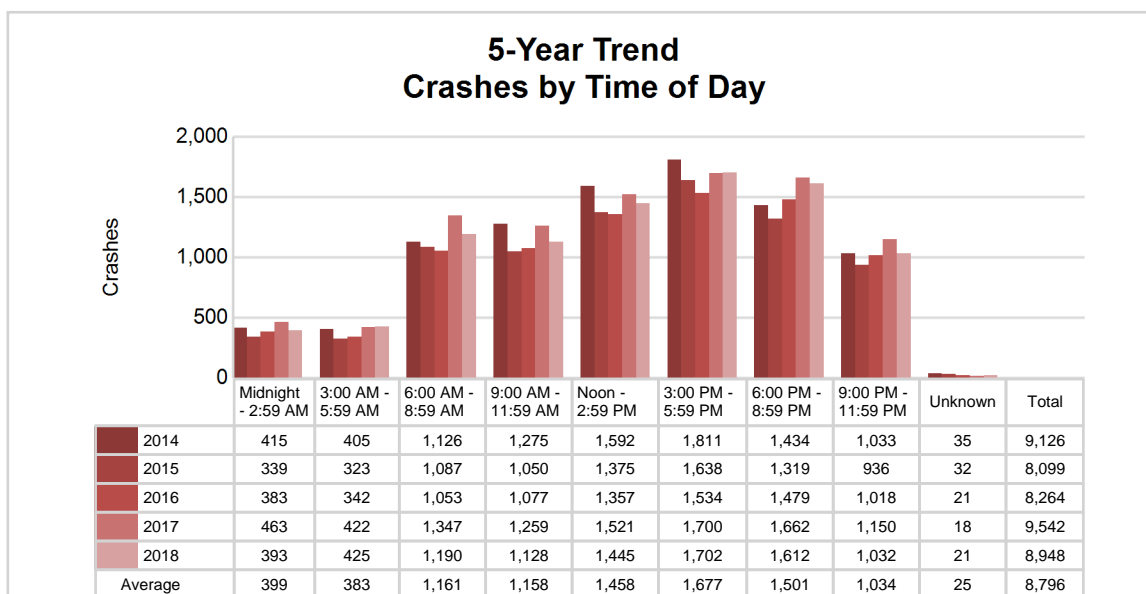
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

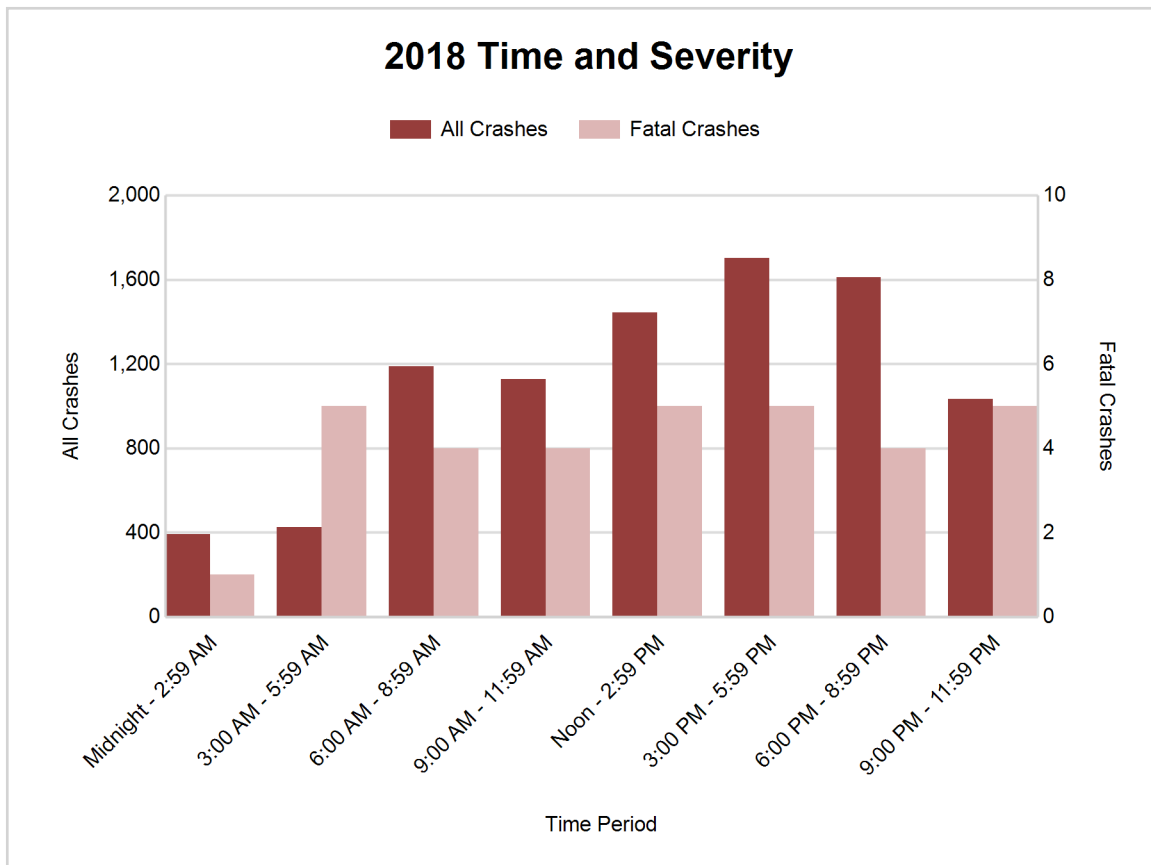
Time of Day	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	415	2	339	3	383	2	463	3	393	1
3:00 AM - 5:59 AM	405	0	323	2	342	1	422	0	425	5
6:00 AM - 8:59 AM	1,126	2	1,087	2	1,053	0	1,347	4	1,190	4
9:00 AM - 11:59 AM	1,275	3	1,050	3	1,077	4	1,259	4	1,128	4
Noon - 2:59 PM	1,592	4	1,375	3	1,357	8	1,521	7	1,445	5
3:00 PM - 5:59 PM	1,811 †	2	1,638 †	3	1,534 †	4	1,700 †	6	1,702 †	5
6:00 PM - 8:59 PM	1,434	6	1,319	4	1,479	7	1,662	6	1,612	4
9:00 PM - 11:59 PM	1,033	1	936	5	1,018	3	1,150	5	1,032	5
Unknown	35	0	32	0	21	0	18	0	21	0
Total	9,126	20	8,099	25	8,264	29	9,542	35	8,948	33

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



2018 - Time and Severity

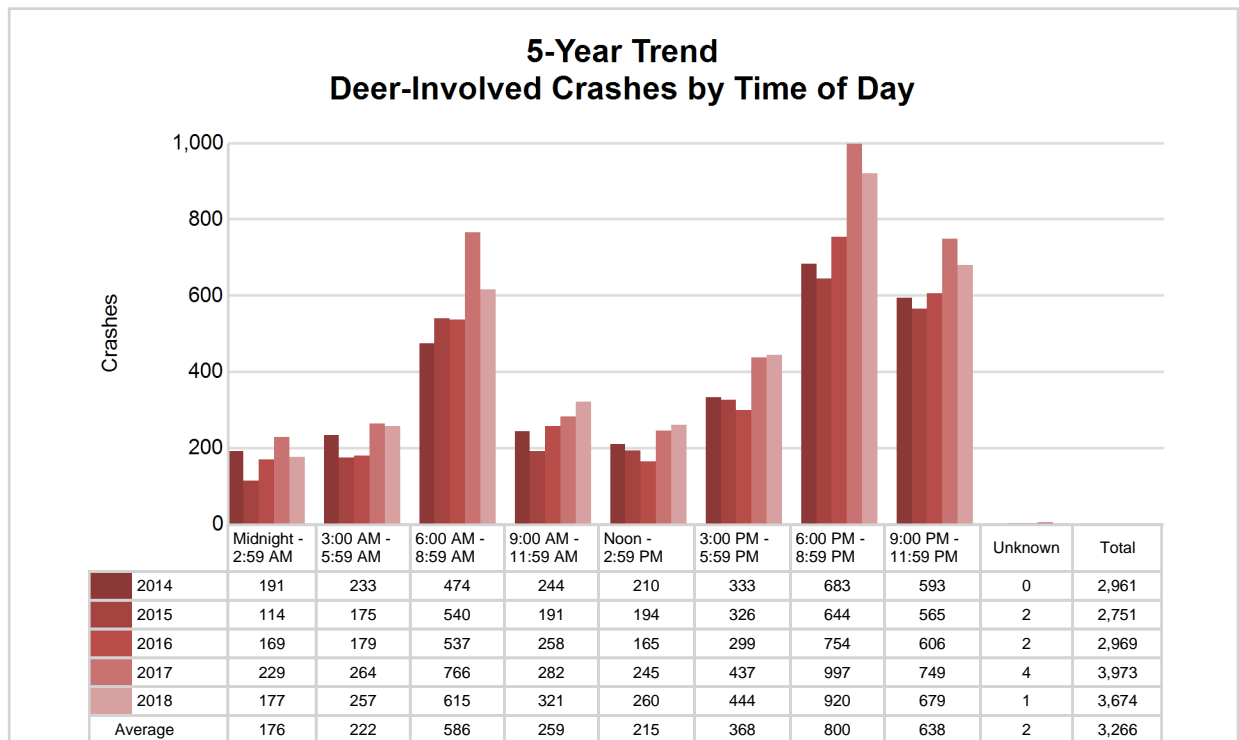
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	393	4.4	1	3.0	11	21	25	335
3:00 AM - 5:59 AM	425	4.7	5	15.2	9	15	17	379
6:00 AM - 8:59 AM	1,190	13.3	4	12.1	14	32	70	1,070
9:00 AM - 11:59 AM	1,128	12.6	4	12.1	30	40	102	952
Noon - 2:59 PM	1,445	16.1	5	15.2	35	62	137	1,206
3:00 PM - 5:59 PM	1,702	19.0	5	15.2	43	84	154	1,416
6:00 PM - 8:59 PM	1,612	18.0	4	12.1	21	55	78	1,454
9:00 PM - 11:59 PM	1,032	11.5	5	15.2	19	29	50	929
Unknown	21	0.2	0	0.0	0	0	0	21
Total	8,948	100.0	33	100.0	182	338	633	7,762

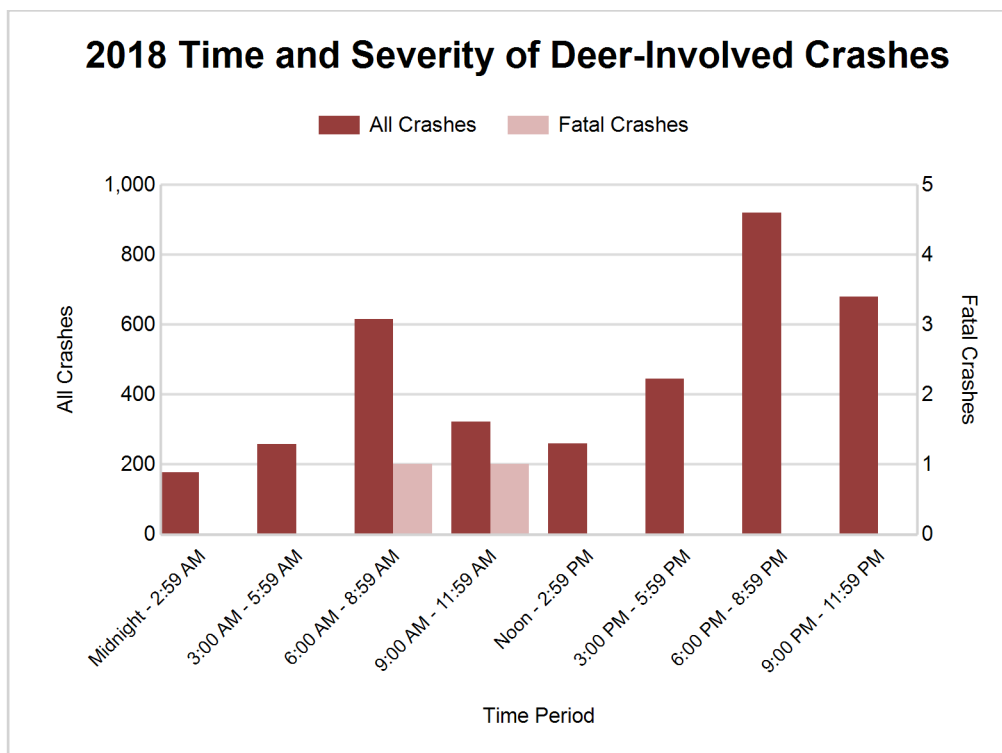


5-Year Trend - Deer-Involved Crashes by Time of Day

Time of Day	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	191	0	114	0	169	0	229	1	177	0
3:00 AM - 5:59 AM	233	0	175	0	179	0	264	0	257	0
6:00 AM - 8:59 AM	474	0	540	0	537	0	766	0	615	1
9:00 AM - 11:59 AM	244	0	191	0	258	0	282	0	321	1
Noon - 2:59 PM	210	0	194	0	165	0	245	1	260	0
3:00 PM - 5:59 PM	333	0	326	0	299	0	437	0	444	0
6:00 PM - 8:59 PM	683 †	0	644 †	0	754 †	0	997 †	0	920 †	0
9:00 PM - 11:59 PM	593	0	565	0	606	0	749	0	679	0
Unknown	0	0	2	0	2	0	4	0	1	0
Total	2,961	0	2,751	0	2,969	0	3,973	2	3,674	2

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





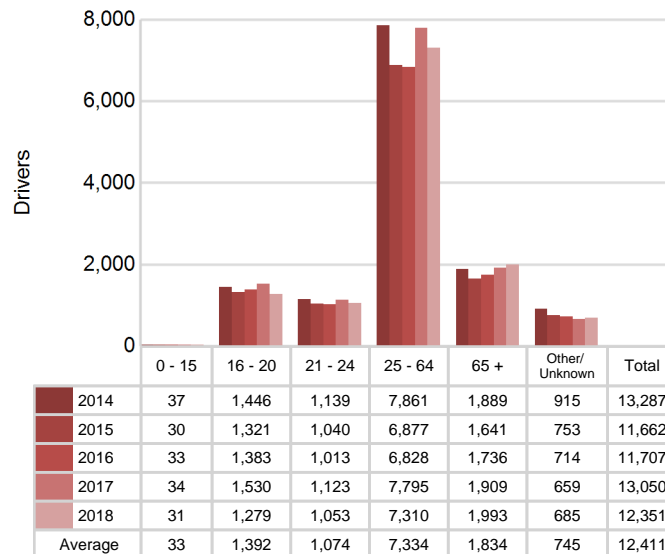
2018 - Reported Motor Vehicle Crashes by County

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	316	0	48	268	0	26	166	113	14	1	107	0	66
Baraga	323	2	29	292	0	148	63	111	6	3	193	2	36
Chippewa	924	4	127	793	216	0	277	422	30	8	338	5	160
Delta	1,237	4	155	1,078	0	484	204	546	35	20	562	4	216
Dickinson	851	2	110	739	0	311	235	303	24	13	457	3	138
Gogebic	258	2	45	211	0	134	17	104	15	2	75	2	66
Houghton	858	3	125	730	0	285	241	326	32	5	171	3	158
Iron	490	0	38	452	0	219	84	186	17	3	346	0	41
Keweenaw	73	1	13	59	0	31	11	31	6	1	32	1	18
Luce	181	0	29	152	0	0	99	80	7	1	92	0	36
Mackinac	633	5	53	575	117	195	162	158	18	4	376	5	71
Marquette	1,729	7	239	1,483	0	530	294	899	62	20	375	7	342
Menominee	361	1	88	272	0	143	46	172	24	6	80	1	122
Ontonagon	329	1	22	306	0	84	179	63	9	1	216	1	28
Schoolcraft	385	1	32	352	0	144	123	115	10	4	254	1	40
Total	8,948	33	1,153	7,762	333	2,734	2,201	3,629	309	92	3,674	35	1,538

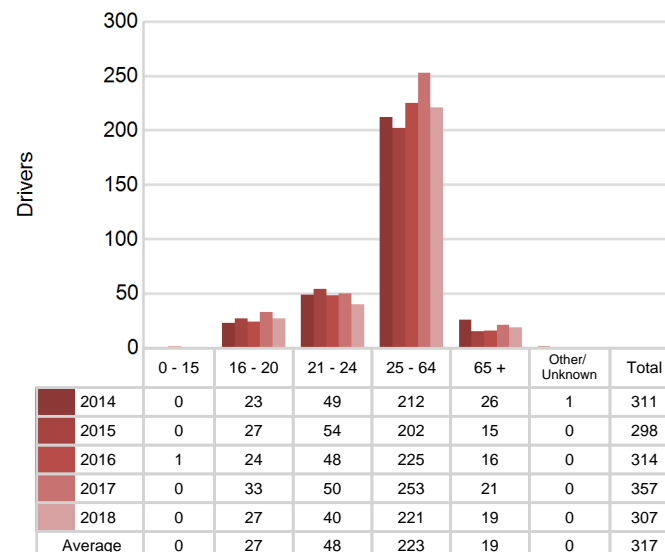
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2014		2015		2016		2017		2018	
	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	37	0	30	0	33	1	34	0	31	0
16 - 20	1,446	23	1,321	27	1,383	24	1,530	33	1,279	27
21 - 24	1,139	49	1,040	54	1,013	48	1,123	50	1,053	40
25 - 64	7,861	212	6,877	202	6,828	225	7,795	253	7,310	221
65 +	1,889	26	1,641	15	1,736	16	1,909	21	1,993	19
Unknown	915	1	753	0	714	0	659	0	685	0
Total	13,287	311	11,662	298	11,707	314	13,050	357	12,351	307

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

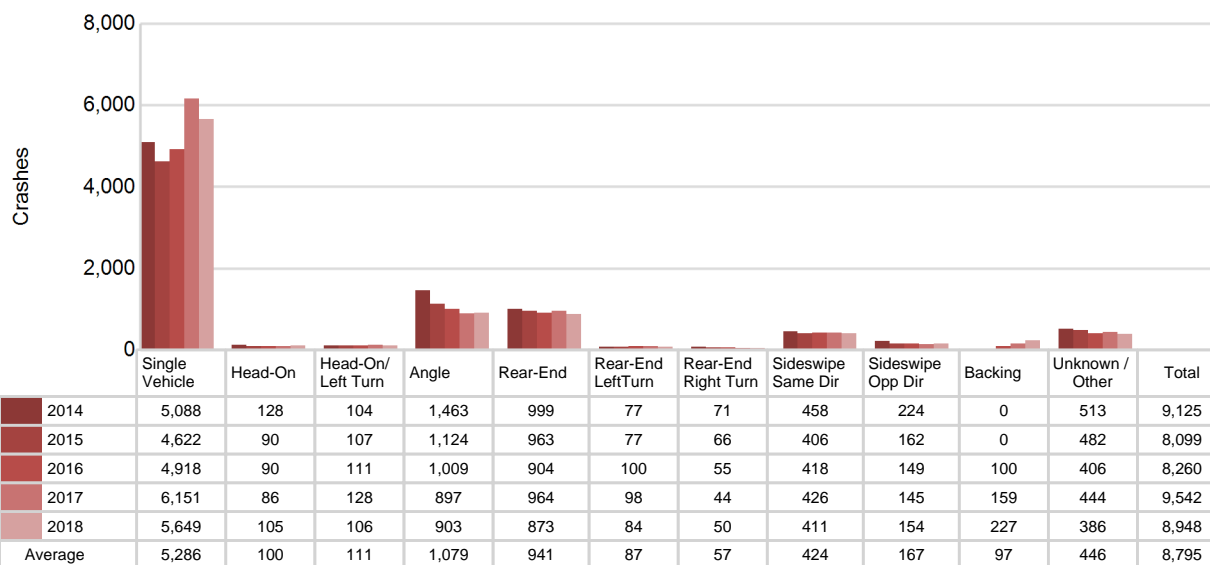


**5-Year Trend
Total Drivers Coded Drinking by Age**



5-Year Trend - Crashes by Crash Type

Crash Type	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Single motor vehicle	5,088	9	4,622	15	4,918	17	6,151	18	5,649	11
Head-on	128	4	90	4	90	2	86	3	105	9
Head-on / left turn	104	0	107	1	111	1	128	0	106	2
Angle	1,463	4	1,124	3	1,009	5	897	6	903	6
Rear-end	999	1	963	2	904	3	964	5	873	2
Rear-end left turn	77	0	77	0	100	0	98	0	84	0
Rear-end right turn	71	0	66	0	55	0	44	0	50	0
Sideswipe same direction	458	1	406	0	418	0	426	0	411	0
Sideswipe opposite direction	224	0	162	0	149	0	145	0	154	1
Backing	0	0	0	0	100	0	159	0	227	0
Other / Unknown	513	1	482	0	406	1	444	3	386	2
Uncoded and Errors	1	0	0	0	4	0	0	0	0	0
Total	9,126	20	8,099	25	8,264	29	9,542	35	8,948	33

5-Year Trend
Crashes by Crash Type

2018 - 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	35	30	21	27	0	1	9	6	11
21 - 24	51	37	27	40	0	5	7	9	19
25 - 64	267	226	156	221	0	14	50	44	113
65 +	21	24	15	19	0	4	4	4	7
Unknown	31	0	0	0	0	0	0	0	0
Total	405	317	219	307	0	24	70	63	150

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 2018, there were 405 drivers in alcohol-involved crashes; 307 (75.8%) of those drivers were coded as had-been-drinking by the officer on the crash form.

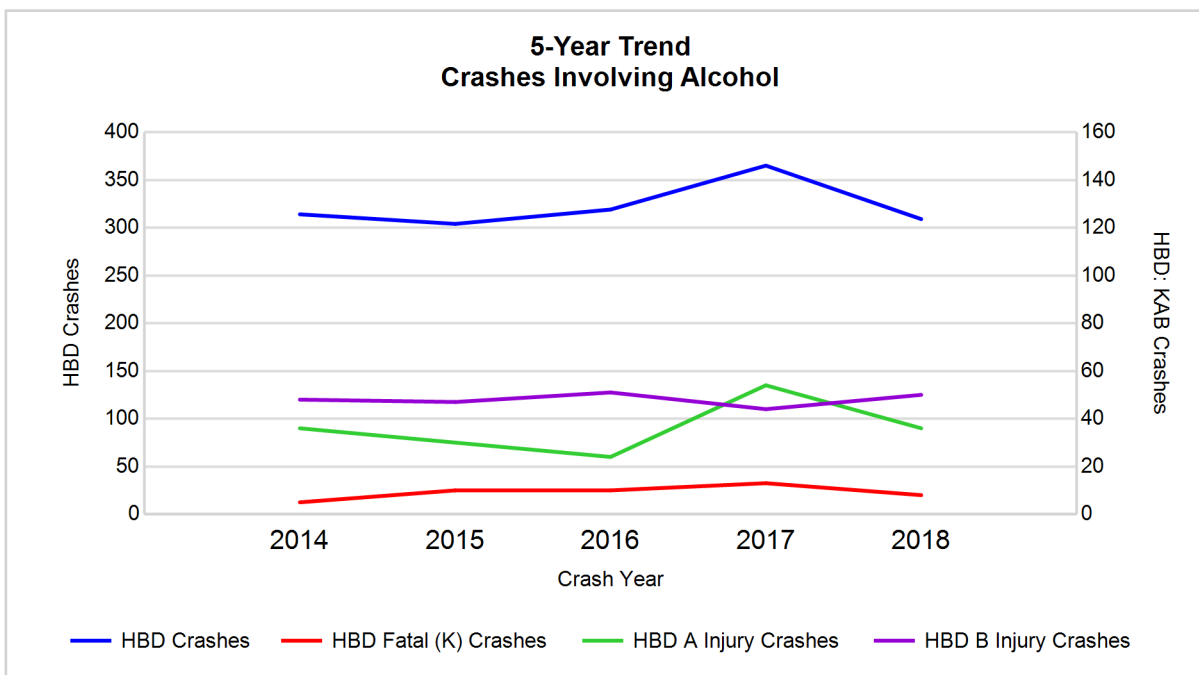
- 133 (43.3%) of the 307 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 63 (47.4%) of the 133 drivers had a BAC at or above 0.17 g/dL.
- 219 (71.3%) of the 307 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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
2014	9,126	314	3.4	20	5	25.0	165	36	21.8	326	48	14.7
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

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



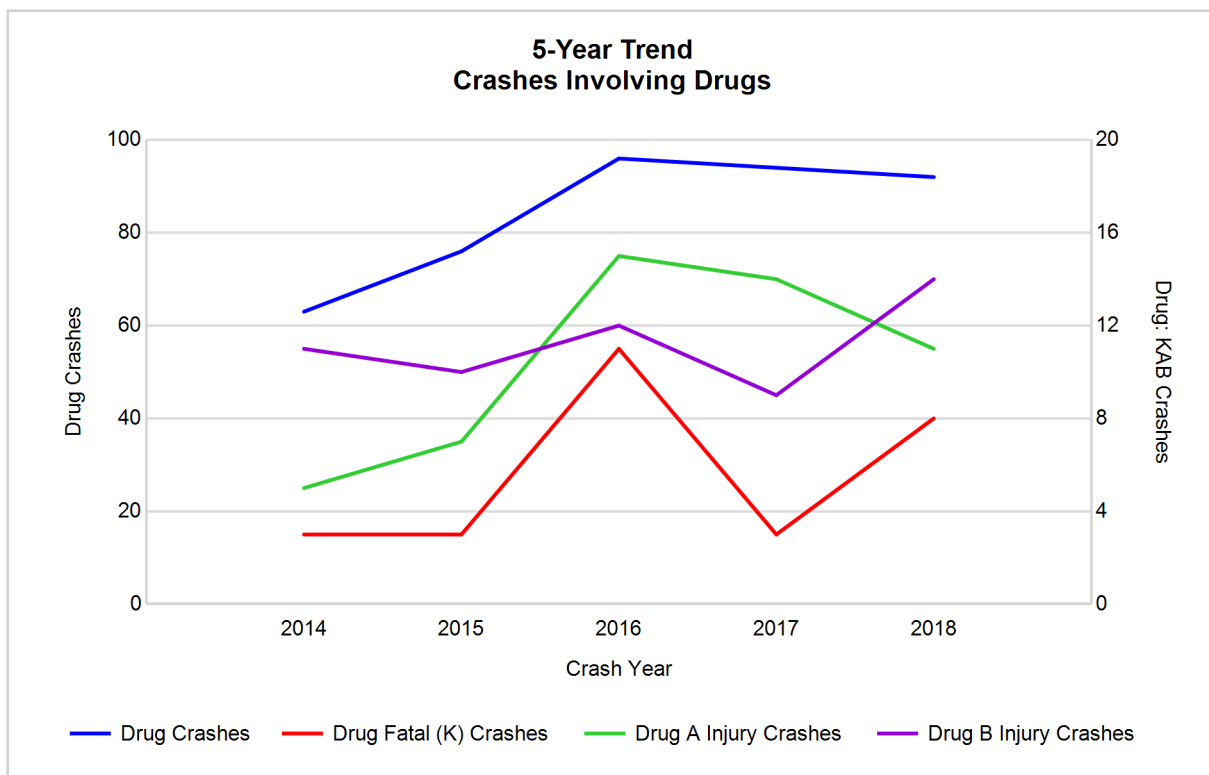
Note: Had-Been-Drinking (HBD)

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
2014	9,126	63	0.7	20	3	15.0	165	5	3.0	326	11	3.4
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**

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

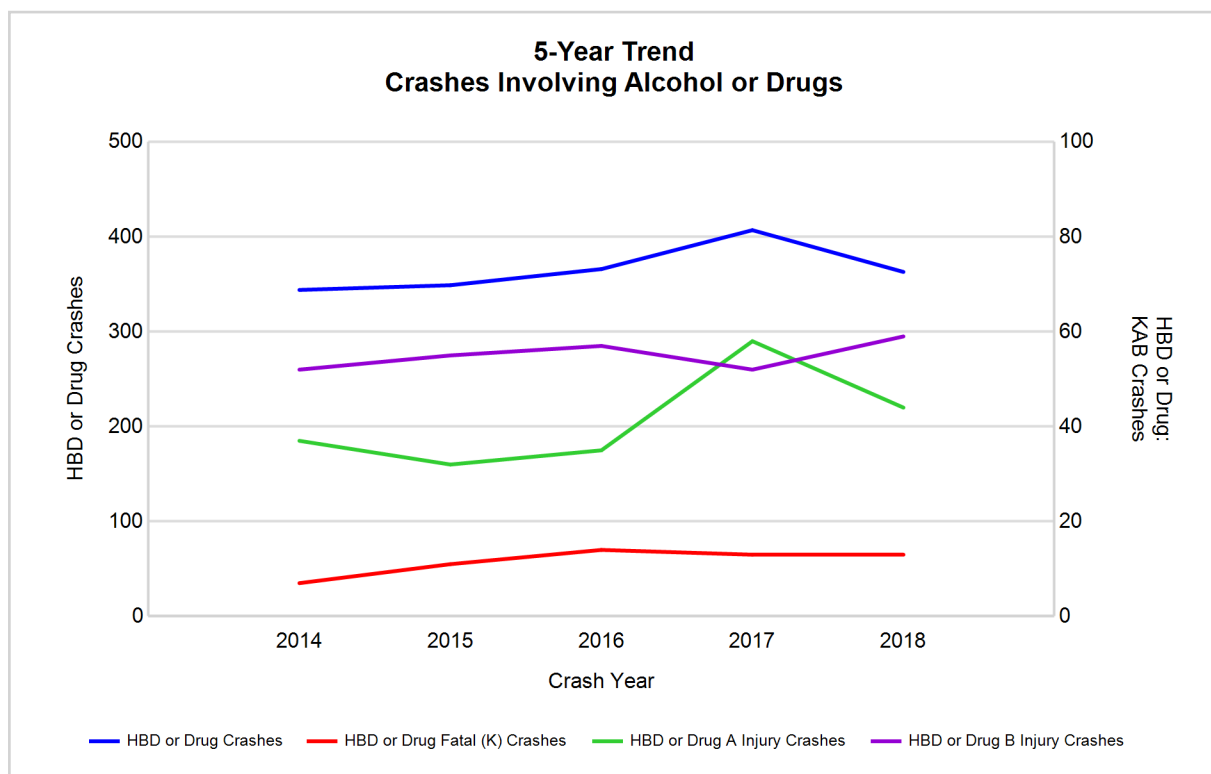


5-Year Trend - Crashes Involving Alcohol or Drugs

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
2014	9,126	344	3.8	20	7	35.0	165	37	22.4	326	52	16.0
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

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)

2018 - 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	9,100	8,247	90.6	24	14	58.3	99	76	76.8	270	236	87.4	664	624	94.0	7,651	7,291	95.3
Motor home	38	35	92.1	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	35	33	94.3
Pickup truck	2,716	2,405	88.5	4	1	25.0	32	20	62.5	84	69	82.1	148	129	87.2	2,313	2,183	94.4
Small truck under 10,000 lbs. GVWR	79	70	88.6	0	0	0.0	0	0	0.0	3	2	66.7	6	6	100.0	66	62	93.9
Motorcycle	100	70	70.0	4	2	50.0	30	22	73.3	25	16	64.0	13	10	76.9	27	20	74.1
Moped / goped	8	1	12.5	0	0	0.0	1	0	0.0	6	1	16.7	1	0	0.0	0	0	0.0
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	46	46	100.0	0	0	0.0	11	11	100.0	8	8	100.0	5	5	100.0	22	22	100.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	57	29	50.9	2	1	50.0	22	13	59.1	18	8	44.4	6	5	83.3	9	2	22.2
Other	55	41	74.5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	50	41	82.0
Truck/bus over 10,000 lbs.	316	277	87.7	0	0	0.0	4	4	100.0	9	6	66.7	19	8	42.1	278	259	93.2
Unknown	190	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	12,706	11,222	88.3	34	18	52.9	199	146	73.4	423	346	81.8	864	789	91.3	10,452	9,914	94.9

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.

2018 - 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	125	100	80.0	0	0	0.0	5	4	80.0	32	24	75.0	68	54	79.4	20	18	90.0
16 - 20	1,329	1,259	94.7	4	2	50.0	26	20	76.9	58	52	89.7	108	98	90.7	1,126	1,083	96.2
21 - 24	1,074	1,004	93.5	6	3	50.0	18	14	77.8	38	32	84.2	62	59	95.2	947	896	94.6
25 - 64	7,455	6,933	93.0	15	7	46.7	124	87	70.2	235	184	78.3	496	454	91.5	6,548	6,196	94.6
65 +	2,038	1,926	94.5	9	6	66.7	26	21	80.8	60	54	90.0	130	124	95.4	1,809	1,721	95.1
Unknown	685	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0
Total	12,706	11,222	88.3	34	18	52.9	199	146	73.4	423	346	81.8	864	789	91.3	10,452	9,914	94.9

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	2014			2015			2016			2017			2018		
	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	80	0	9	96	0	17	44	0	3	48	0	21	15	1	0
Shoulder belt only used	55	0	4	43	0	6	77	0	7	85	0	4	66	0	11
Lap belt only used	62	1	6	33	0	3	27	0	6	26	0	2	19	0	1
Both lap & shoulder belts used	11,515	7	967	10,176	6	876	10,192	4	872	11,488	9	949	10,722	13	904
No belts used	112	4	39	97	8	39	94	5	40	101	9	50	92	7	45
Child restraint used	0	0	0	0	0	0	3	0	2	2	0	1	1	0	1
Child restraint not used, unavailable or improper use	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Restraint failure	6	0	0	8	0	0	5	0	0	6	0	1	1	0	0
Restraint use unknown	300	0	39	257	2	45	689	1	37	1,053	1	46	1,214	2	54
Helmet worn	194	1	130	131	2	91	123	9	90	107	5	71	131	3	84
Helmet not worn	39	2	29	50	2	39	65	3	44	48	3	35	40	2	29
Helmet use unknown	12	0	7	9	0	6	16	0	10	16	1	9	13	0	8
Uncoded & errors	912	0	3	762	0	1	371	0	1	70	0	0	37	0	0
Total	13,287	15	1,233	11,662	20	1,123	11,707	22	1,112	13,050	28	1,189	12,351	28	1,137

5-Year Trend - Restraint Use Among Drivers Coded Drinking

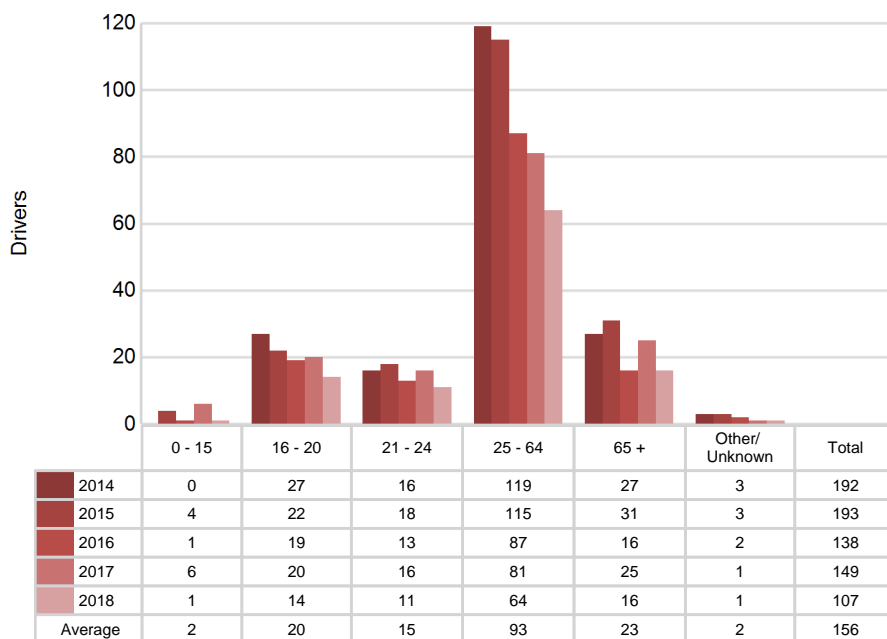
Restraint Use	2014			2015			2016			2017			2018		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	1	0	1	3	0	1	1	0	0	3	0	3	0	0	0
Shoulder belt only used	1	0	0	1	0	1	0	0	0	2	0	1	2	0	1
Lap belt only used	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0
Both lap & shoulder belts used	204	0	57	198	1	51	209	1	57	228	1	64	176	1	47
No belts used	26	2	16	19	4	12	25	4	13	34	4	22	22	2	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	0	0	0	1	0	0	0	0	0	0	0	0
Restraint failure	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Restraint use unknown	56	0	16	56	0	17	58	0	17	73	1	20	83	2	23
Helmet worn	13	1	9	9	1	7	7	1	6	8	3	4	16	0	14
Helmet not worn	7	0	6	8	1	6	8	1	6	6	1	5	4	1	3
Helmet use unknown	2	0	2	2	0	2	3	0	3	3	1	2	3	0	2
Uncoded & errors	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Total	311	3	107	298	7	98	314	7	102	357	11	121	307	6	107

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

Age Group	2014			2015			2016			2017			2018		
	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	4	0	3	1	0	1	6	0	6	1	0	1
16 - 20	27	0	10	22	2	8	19	0	9	20	0	7	14	1	6
21 - 24	16	1	7	18	0	5	13	0	5	16	1	11	11	1	5
25 - 64	119	3	27	115	4	31	87	3	24	81	6	41	64	4	31
65 +	27	0	4	31	2	9	16	2	4	25	2	6	16	2	2
Unknown	3	0	0	3	0	0	2	0	0	1	0	0	1	0	0
Total	192	4	48	193	8	56	138	5	43	149	9	71	107	8	45

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

5-Year Trend Driver Seatbelt Not Used

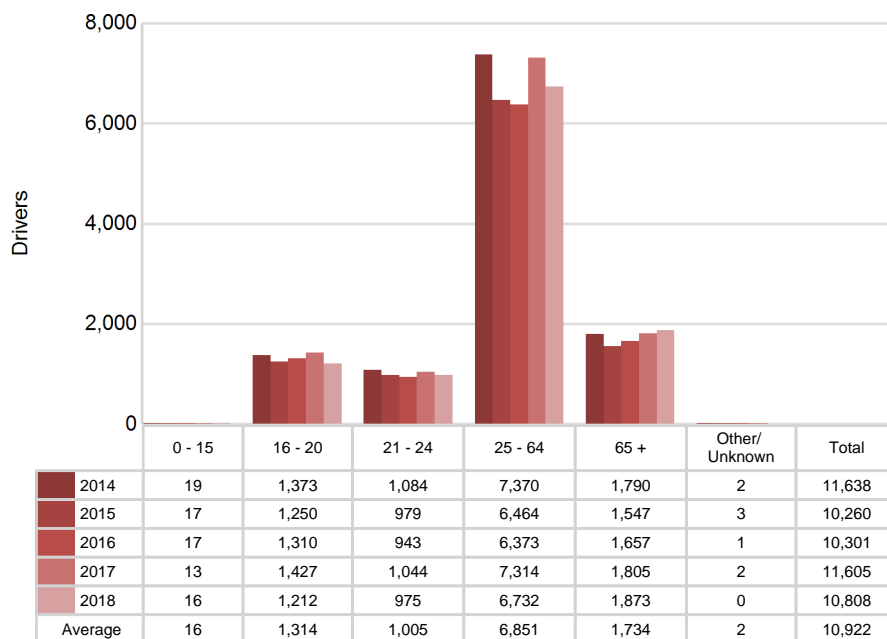


5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2014			2015			2016			2017			2018		
	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	19	0	2	17	0	3	17	0	5	13	0	4	16	0	2
16 - 20	1,373	1	130	1,250	1	119	1,310	0	129	1,427	1	151	1,212	2	126
21 - 24	1,084	0	101	979	0	76	943	0	83	1,044	1	89	975	2	82
25 - 64	7,370	4	600	6,464	3	543	6,373	3	538	7,314	3	555	6,732	5	552
65 +	1,790	3	144	1,547	2	144	1,657	1	130	1,805	4	157	1,873	4	154
Unknown	2	0	0	3	0	0	1	0	0	2	0	0	0	0	0
Total	11,638	8	977	10,260	6	885	10,301	4	885	11,605	9	956	10,808	13	916

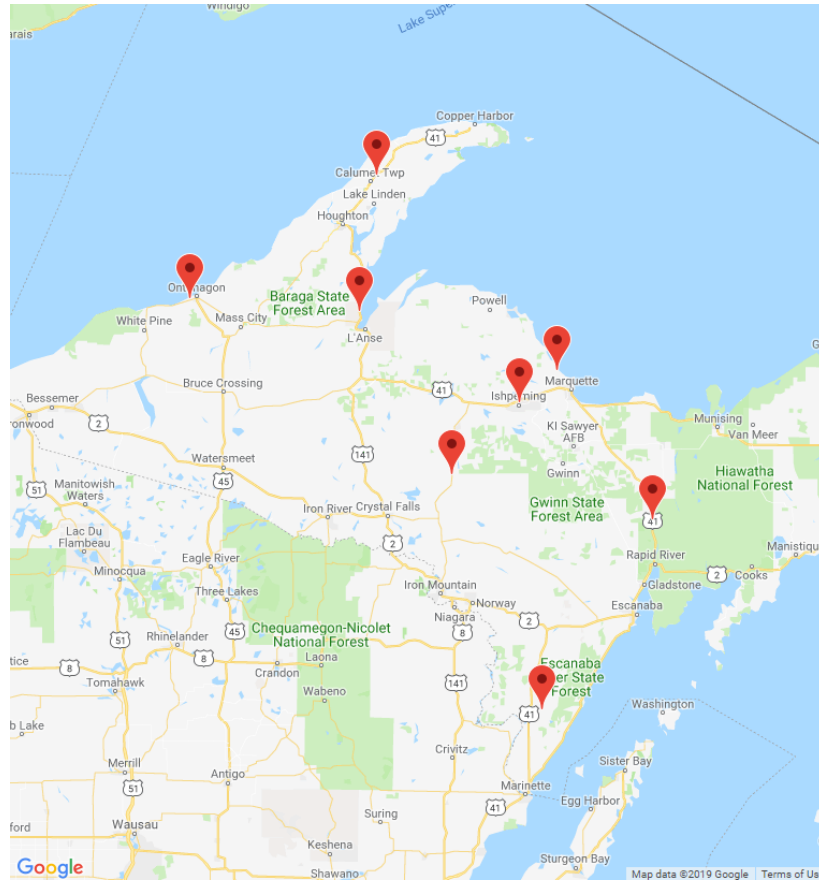
Note: Seatbelt Used includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, and restraint failure.

5-Year Trend Driver Seatbelt Used



5-Year Trend - Drivers in Crashes by Hazardous Action

Hazardous Action	2014		2015		2016		2017		2018	
	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	7,622	12	6,787	14	6,770	15	7,832	20	7,405	29
Speed too fast	1,393	6	1,063	2	1,093	8	1,182	11	1,007	9
Speed too slow	14	0	8	0	14	0	9	0	11	0
Failed to yield	1,104	5	960	3	917	5	903	6	886	4
Disregard traffic control	166	1	152	2	137	1	111	2	122	0
Drove wrong way	4	0	14	0	10	1	6	0	9	2
Drove left of center	59	2	64	1	57	1	52	0	70	4
Improper passing	73	0	43	0	52	0	46	0	56	0
Improper lane use	176	0	132	1	127	0	135	1	151	0
Improper turn	98	0	102	1	96	0	110	0	84	1
Improper/no signal	35	0	26	0	14	0	15	0	17	0
Improper backing	358	0	325	0	331	0	263	0	283	0
Unable to stop in assured clear distance	1,004	0	913	0	881	2	941	4	904	2
Other	392	1	328	2	353	3	396	2	350	0
Unknown	213	3	184	5	284	2	408	3	492	4
Reckless driving	57	0	58	4	46	1	68	0	45	2
Careless/negligent driving	450	1	446	5	458	3	521	4	432	2
Uncoded & errors	69	0	57	0	67	0	52	0	27	0
Total	13,287	31	11,662	40	11,707	42	13,050	53	12,351	59



The picture above represents all 2018 alcohol-involved fatal crashes in MDOT Region - Superior.

In 2018, there were 309 alcohol-involved crashes in MDOT Region - Superior:

- 8 K - Fatal Crashes
- 36 A - Suspected Serious Injury Crashes
- 50 B - Suspected Minor Injury Crashes
- 41 C - Possible Injury Crashes
- 174 O - Property Damage Only/No Injury Crashes

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