



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

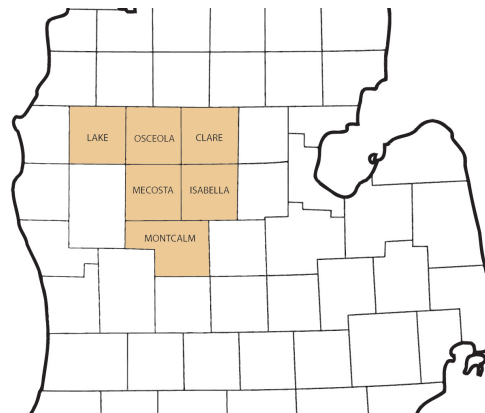
Property Damage Only (PDO)



Traffic Safety Network Chippewa Valley

2018 Traffic Crash Data & 2014-2018 5-Year Trends

Traffic Safety Network Chippewa Valley is comprised of Clare, Isabella, Lake, Mecosta, Montcalm, and Osceola 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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TSN Chippewa Valley Experience

In 2018:

There were 12,200 drivers involved in 9,453 motor vehicle crashes in Traffic Safety Network Chippewa Valley. Of those crashes, 35 were classified as fatal, resulting in 39 fatalities. An additional 1,802 persons were injured.

Traffic Safety Network Chippewa Valley experienced the highest number of motor vehicle crashes (1,295) in November, the highest number of fatal crashes (5) and the highest number of persons killed (6) in September and November.

Michigan driver statistics indicate 6.4 percent of licensed drivers in Traffic Safety Network Chippewa Valley were age 16-20, and 12.4 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	919	1	94	824	2	129
February	701	2	87	612	3	128
March	666	1	94	571	1	117
April	690	4	100	586	4	137
May	622	3	109	510	3	140
June	698	3	111	584	3	164
July	626	0	122	504	0	177
August	559	3	118	438	3	171
September	674	5	120	549	6	166
October	1,117	4	111	1,002	4	166
November	1,295	5	125	1,165	6	163
December	886	4	101	781	4	144
Total	9,453	35	1,292	8,126	39	1,802

2018 - Driver Statistics

Age Group	Chippewa Valley			Driver Rates	
	2018 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	41,900	1,001	17	4.1	169.8
16 - 20	22,910	10,449	1,508	658.2	1,443.2
21 - 24	19,594	10,312	1,401	715.0	1,358.6
25 - 64	115,882	101,353	7,525	649.4	742.5
65 +	43,768	39,718	1,399	319.6	352.2
Unknown	0	0	350	--	--
Total	244,054	162,833	12,200	499.9	749.2

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	9,308	76.3	33	64.7	1,432	7,843
Motor home	62	0.5	0	0.0	9	53
Pickup truck	2,200	18.0	6	11.8	359	1,835
Small truck under 10,000 lbs. GVWR	93	0.8	0	0.0	14	79
Motorcycle	82	0.7	4	7.8	62	16
Moped / goped	2	0.0	0	0.0	2	0
Go-cart / golf cart	1	0.0	0	0.0	1	0
Snowmobile	2	0.0	0	0.0	2	0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	33	0.3	2	3.9	29	2
Other	61	0.5	1	2.0	6	54
Truck/bus over 10,000 lbs.	257	2.1	5	9.8	51	201
Unknown	99	0.8	0	0.0	6	93
Total	12,200	100.0	51	100.0	1,973	10,176

TSN Chippewa Valley (continued)

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	1,046	0	850	1	958	1	859	3	919	1
February	769	4	702	1	765	0	655	1	701	2
March	685	5	548	1	656	1	718	5	666	1
April	547	0	563	2	592	0	552	2	690	4
May	599	5	639	2	707	4	688	4	622	3
June	654	1	659	3	677	3	756	4	698	3
July	543	4	633	8	578	4	618	4	626	0
August	524	2	518	5	561	2	561	3	559	3
September	600	1	664	4	728	2	756	3	674	5
October	1,027	2	1,058	2	1,112	2	1,185	7	1,117	4
November	1,499	6	1,180	4	1,270	1	1,181	2	1,295	5
December	765	3	704	1	1,050	2	1,234	3	886	4
Total	9,258	33	8,718	34	9,654	22	9,763	41	9,453	35

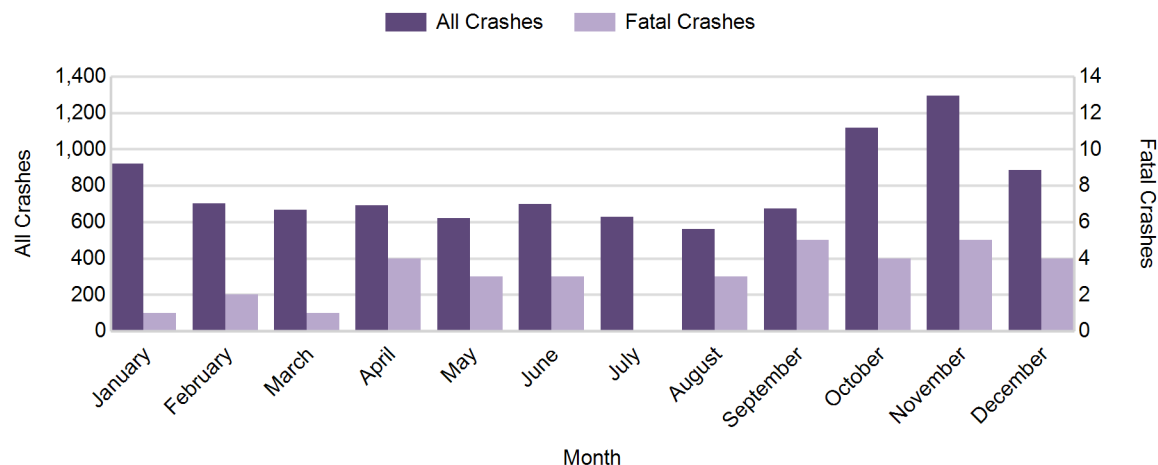
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

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	1,206	4	1,211	5	1,314	6	1,397	4	1,421	3
Tuesday	1,265	4	1,291	2	1,412	0	1,420	4	1,365	5
Wednesday	1,377	3	1,259	3	1,596	2	1,444	11	1,309	5
Thursday	1,347	3	1,236	3	1,425	4	1,382	4	1,424	3
Friday	1,652	6	1,338	9	1,505	4	1,641	4	1,605	7
Saturday	1,234	5	1,310	8	1,282	4	1,346	7	1,274	6
Sunday	1,177	8	1,073	4	1,120	2	1,133	7	1,055	6
Total	9,258	33	8,718	34	9,654	22	9,763	41	9,453	35

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

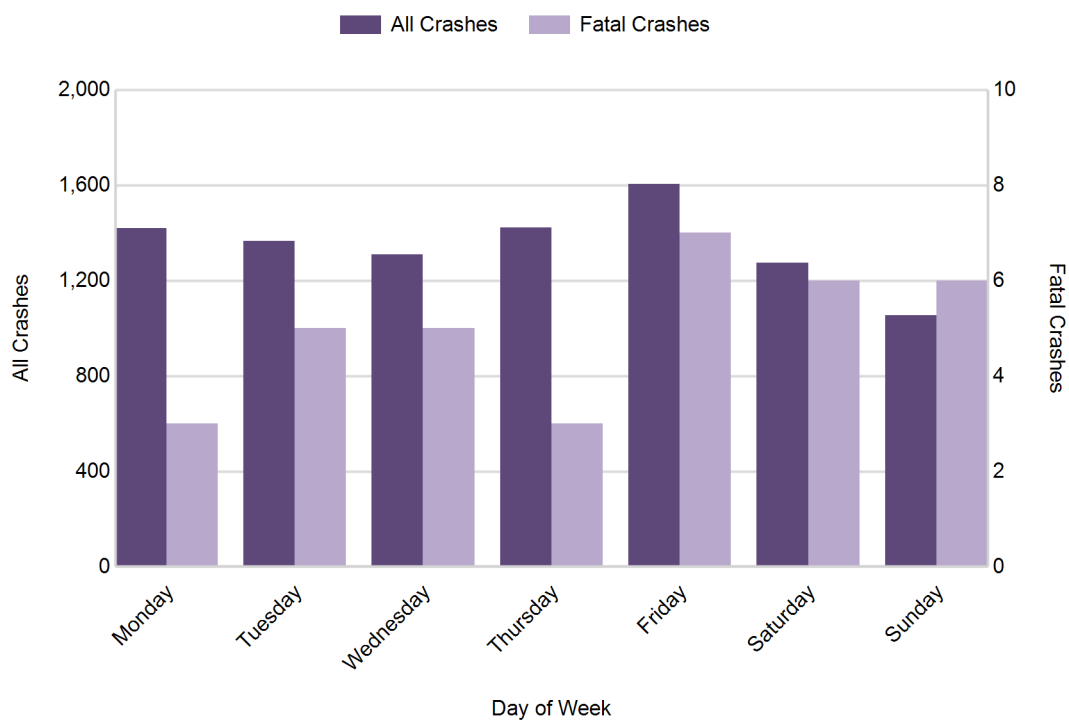
2018 Crashes by Month



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	1,421	15.0	3	8.6	26	62	112	1,218
Tuesday	1,365	14.4	5	14.3	43	47	100	1,170
Wednesday	1,309	13.8	5	14.3	15	41	88	1,160
Thursday	1,424	15.1	3	8.6	27	55	90	1,249
Friday	1,605	17.0	7	20.0	34	83	114	1,367
Saturday	1,274	13.5	6	17.1	40	66	98	1,064
Sunday	1,055	11.2	6	17.1	21	61	69	898
Total	9,453	100.0	35	100.0	206	415	671	8,126

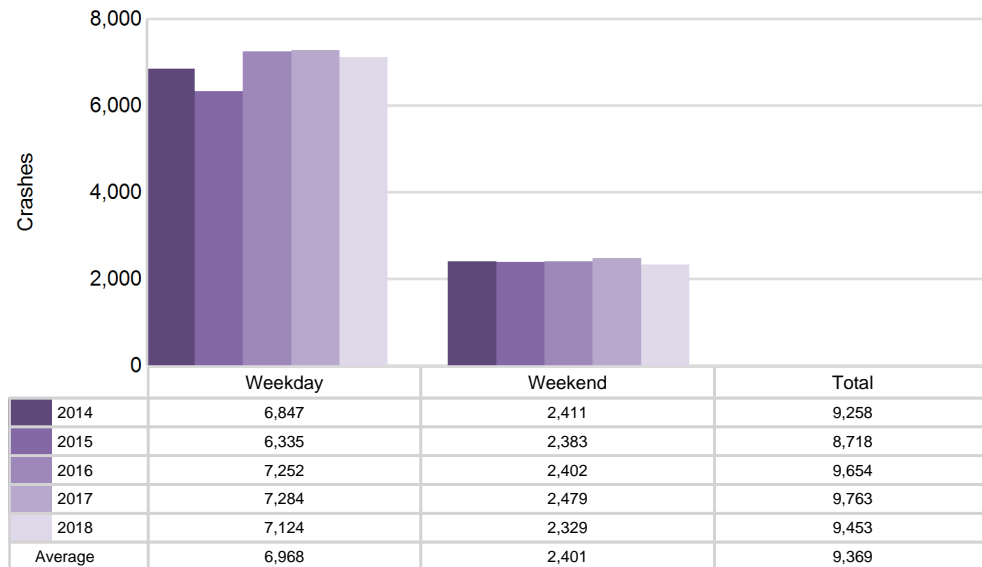
2018 Day of Week and Severity



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	6,847	20	6,335	22	7,252	16	7,284	27	7,124	23
Weekend	2,411	13	2,383	12	2,402	6	2,479	14	2,329	12
Total	9,258	33	8,718	34	9,654	22	9,763	41	9,453	35

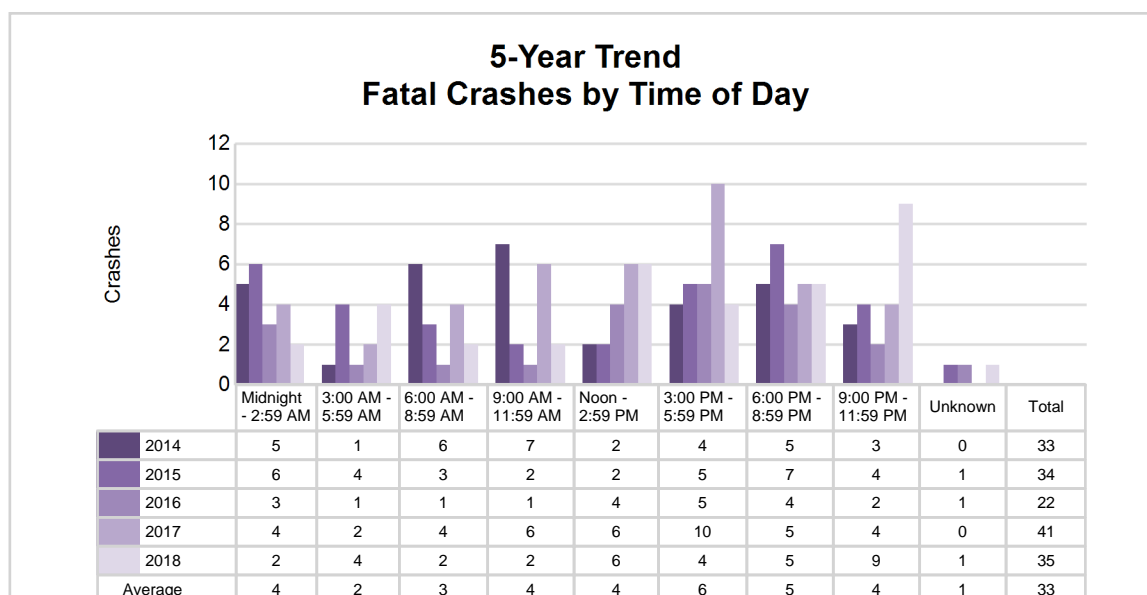
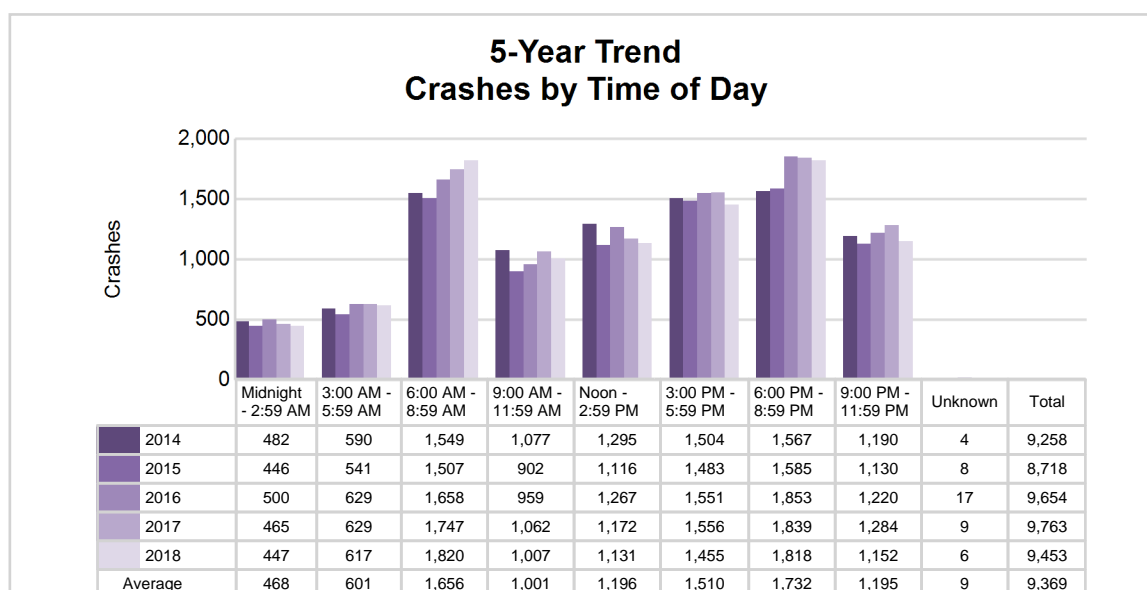
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

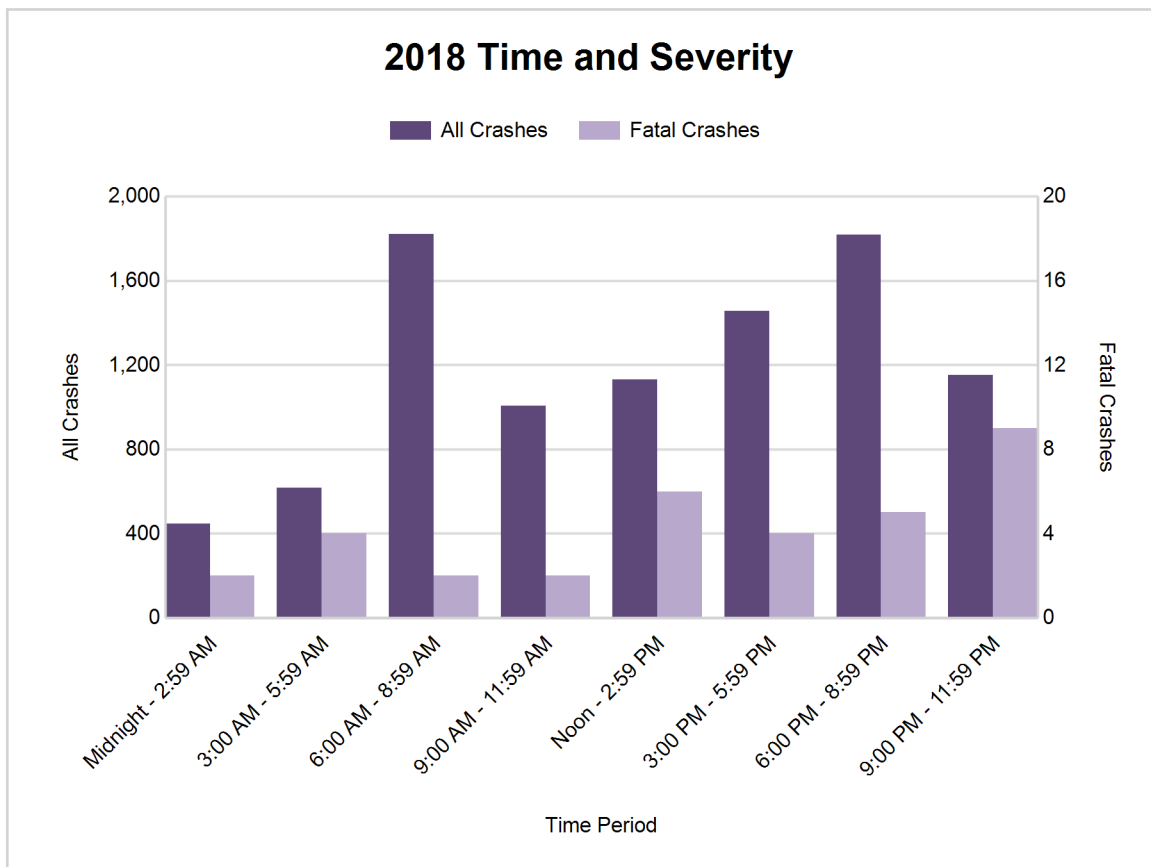
Time of Day	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	482	5	446	6	500	3	465	4	447	2
3:00 AM - 5:59 AM	590	1	541	4	629	1	629	2	617	4
6:00 AM - 8:59 AM	1,549	6	1,507	3	1,658	1	1,747	4	1,820	2
9:00 AM - 11:59 AM	1,077	7	902	2	959	1	1,062	6	1,007	2
Noon - 2:59 PM	1,295	2	1,116	2	1,267	4	1,172	6	1,131	6
3:00 PM - 5:59 PM	1,504	4	1,483	5	1,551	5	1,556	10	1,455	4
6:00 PM - 8:59 PM	1,567	5	1,585	7	1,853	4	1,839	5	1,818	5
9:00 PM - 11:59 PM	1,190	3	1,130	4	1,220	2	1,284	4	1,152	9
Unknown	4	0	8	1	17	1	9	0	6	1
Total	9,258	33	8,718	34	9,654	22	9,763	41	9,453	35

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

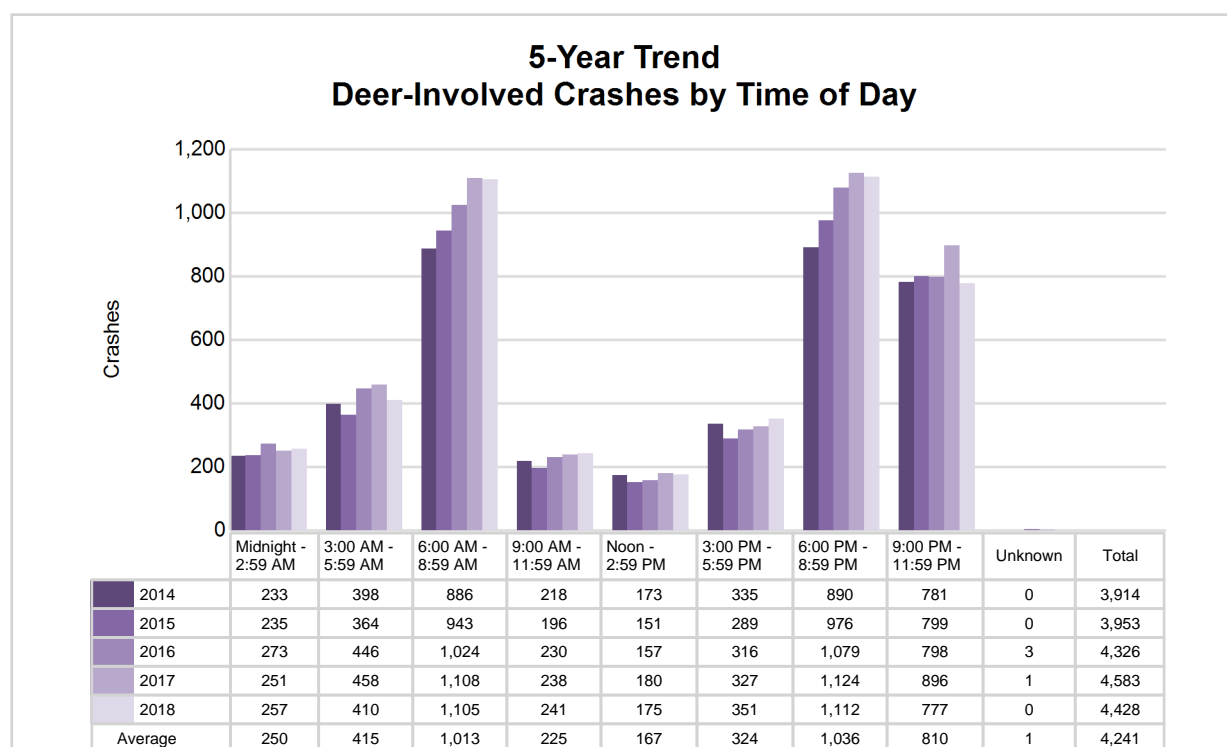
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	447	4.7	2	5.7	7	29	28	381
3:00 AM - 5:59 AM	617	6.5	4	11.4	10	23	32	548
6:00 AM - 8:59 AM	1,820	19.3	2	5.7	25	47	87	1,659
9:00 AM - 11:59 AM	1,007	10.7	2	5.7	24	49	106	826
Noon - 2:59 PM	1,131	12.0	6	17.1	31	84	127	883
3:00 PM - 5:59 PM	1,455	15.4	4	11.4	43	86	149	1,173
6:00 PM - 8:59 PM	1,818	19.2	5	14.3	37	55	89	1,632
9:00 PM - 11:59 PM	1,152	12.2	9	25.7	29	42	53	1,019
Unknown	6	0.1	1	2.9	0	0	0	5
Total	9,453	100.0	35	100.0	206	415	671	8,126

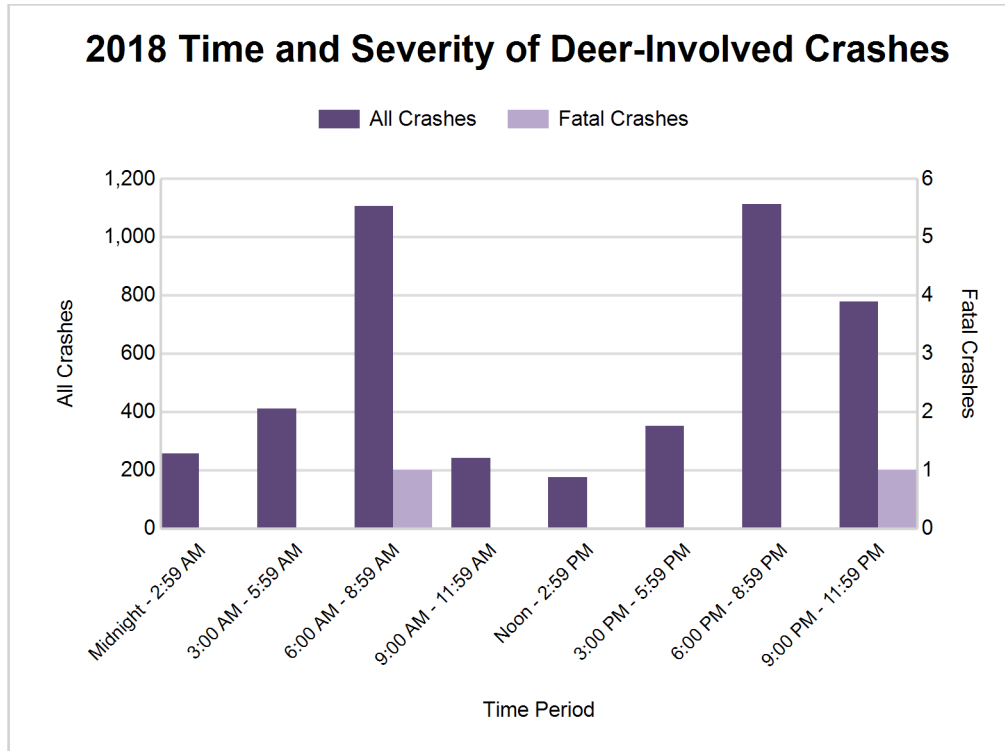


5-Year Trend - Deer-Involved Crashes by Time of Day

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	233	0	235	0	273	0	251	0	257	0
3:00 AM - 5:59 AM	398	0	364	0	446	0	458	0	410	0
6:00 AM - 8:59 AM	886	0	943	0	1,024	0	1,108	0	1,105	1
9:00 AM - 11:59 AM	218	0	196	0	230	0	238	0	241	0
Noon - 2:59 PM	173	0	151	0	157	0	180	0	175	0
3:00 PM - 5:59 PM	335	1	289	0	316	2	327	0	351	0
6:00 PM - 8:59 PM	890 †	0	976 †	0	1,079 †	0	1,124 †	0	1,112 †	0
9:00 PM - 11:59 PM	781	0	799	0	798	0	896	0	777	1
Unknown	0	0	0	0	3	0	1	0	0	0
Total	3,914	1	3,953	0	4,326	2	4,583	0	4,428	2

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





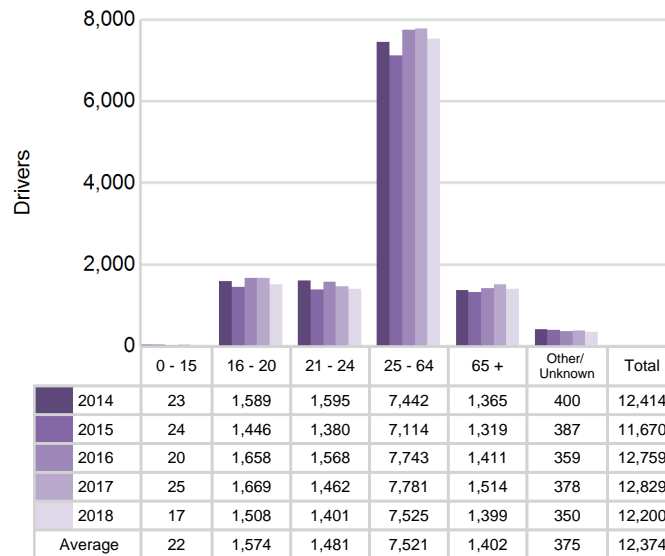
2018 - Reported Motor Vehicle Crashes by County

County	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Clare	1,121	8	162	951	0	358	212	550	31	16	516	9	229
Isabella	2,712	6	355	2,351	0	655	384	1,667	68	17	1,094	7	519
Lake	445	2	75	368	0	100	76	258	20	3	231	2	99
Mecosta	1,788	3	216	1,569	0	237	686	865	40	10	875	3	280
Montcalm	2,163	13	343	1,807	0	125	783	1,253	68	12	993	14	498
Osceola	1,224	3	141	1,080	0	401	177	646	39	8	719	4	177
Total	9,453	35	1,292	8,126	0	1,876	2,318	5,239	266	66	4,428	39	1,802

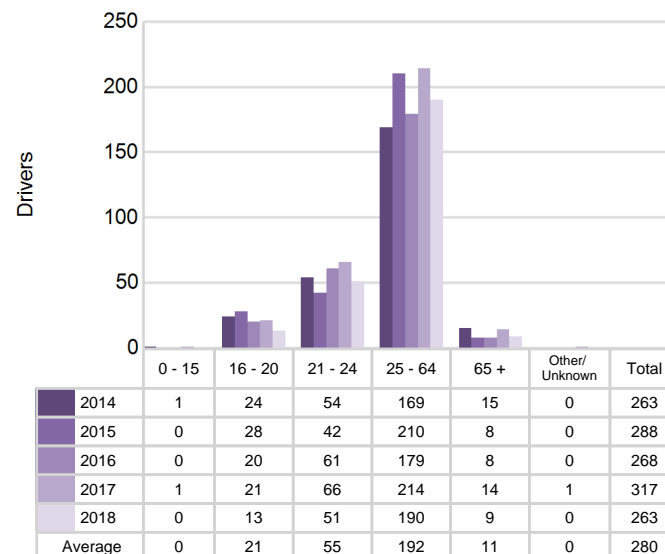
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	23	1	24	0	20	0	25	1	17	0
16 - 20	1,589	24	1,446	28	1,658	20	1,669	21	1,508	13
21 - 24	1,595	54	1,380	42	1,568	61	1,462	66	1,401	51
25 - 64	7,442	169	7,114	210	7,743	179	7,781	214	7,525	190
65 +	1,365	15	1,319	8	1,411	8	1,514	14	1,399	9
Unknown	400	0	387	0	359	0	378	1	350	0
Total	12,414	263	11,670	288	12,759	268	12,829	317	12,200	263

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

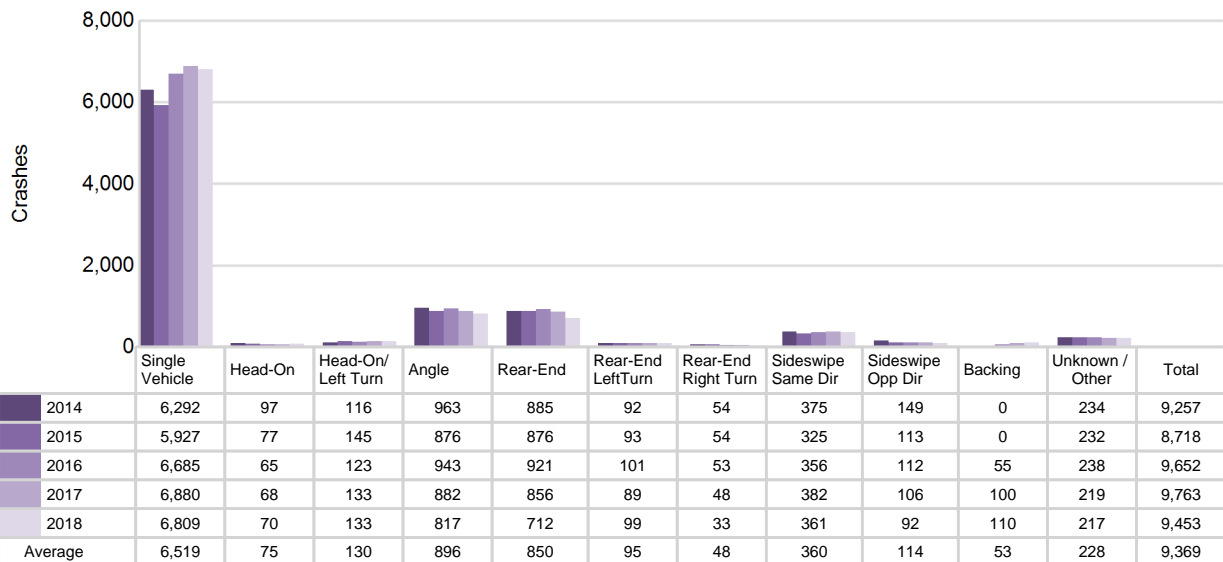


**5-Year Trend
Total Drivers Coded Drinking by Age**



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	6,292	13	5,927	20	6,685	10	6,880	21	6,809	22
Head-on	97	8	77	4	65	3	68	4	70	5
Head-on / left turn	116	0	145	1	123	1	133	5	133	0
Angle	963	9	876	6	943	6	882	6	817	3
Rear-end	885	0	876	2	921	0	856	2	712	0
Rear-end left turn	92	0	93	0	101	0	89	1	99	2
Rear-end right turn	54	0	54	0	53	0	48	0	33	0
Sideswipe same direction	375	0	325	0	356	0	382	0	361	0
Sideswipe opposite direction	149	1	113	0	112	1	106	1	92	0
Backing	0	0	0	0	55	0	100	0	110	0
Other / Unknown	234	2	232	1	238	1	219	1	217	3
Uncoded and Errors	1	0	0	0	2	0	0	0	0	0
Total	9,258	33	8,718	34	9,654	22	9,763	41	9,453	35

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	22	19	10	13	0	1	6	2	4
21 - 24	57	50	39	51	0	4	18	13	16
25 - 64	226	175	135	190	1	11	49	44	85
65 +	16	16	8	9	0	1	5	2	1
Unknown	3	0	0	0	0	0	0	0	0
Total	324	260	192	263	1	17	78	61	106

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 324 drivers in alcohol-involved crashes; 263 (81.2%) of those drivers were coded as had-been-drinking by the officer on the crash form.

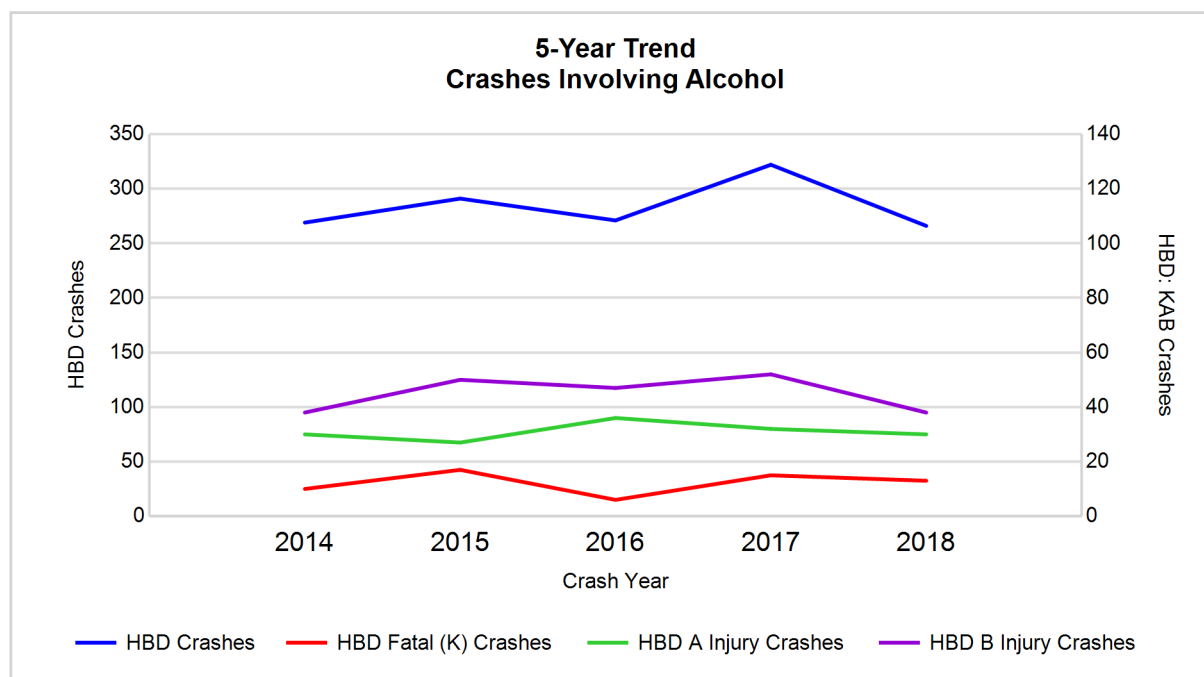
- 139 (52.9%) of the 263 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 61 (43.9%) of the 139 drivers had a BAC at or above 0.17 g/dL.
- 192 (73.0%) of the 263 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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	9,258	269	2.9	33	10	30.3	179	30	16.8	365	38	10.4
2015	8,718	291	3.3	34	17	50.0	161	27	16.8	383	50	13.1
2016	9,654	271	2.8	22	6	27.3	178	36	20.2	438	47	10.7
2017	9,763	322	3.3	41	15	36.6	195	32	16.4	403	52	12.9
2018	9,453	266*	2.8	35	13	37.1	206**	30	14.6*	415	38	9.2*

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



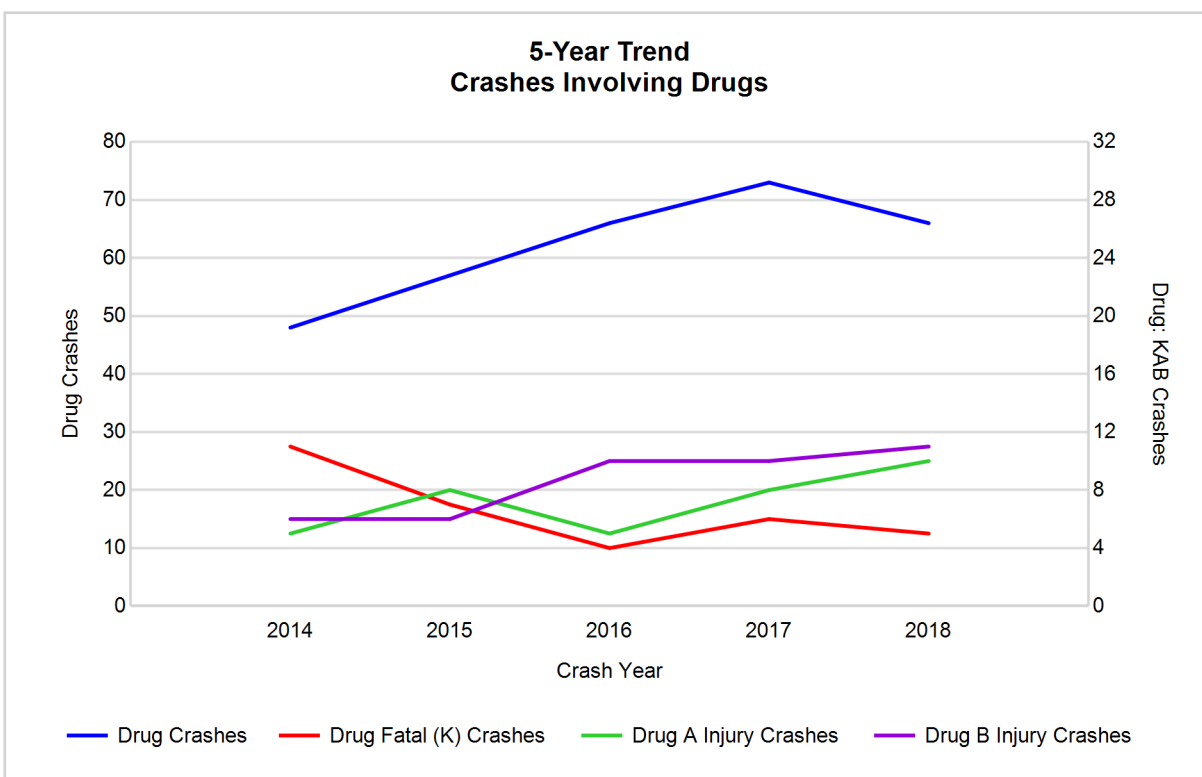
Note: Had-Been-Drinking (HBD)

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	9,258	48	0.5	33	11	33.3	179	5	2.8	365	6	1.6
2015	8,718	57	0.7	34	7	20.6	161	8	5.0	383	6	1.6
2016	9,654	66	0.7	22	4	18.2	178	5	2.8	438	10	2.3
2017	9,763	73	0.7	41	6	14.6	195	8	4.1	403	10	2.5
2018	9,453	66	0.7	35	5	14.3*	206**	10**	4.9	415	11**	2.7**

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

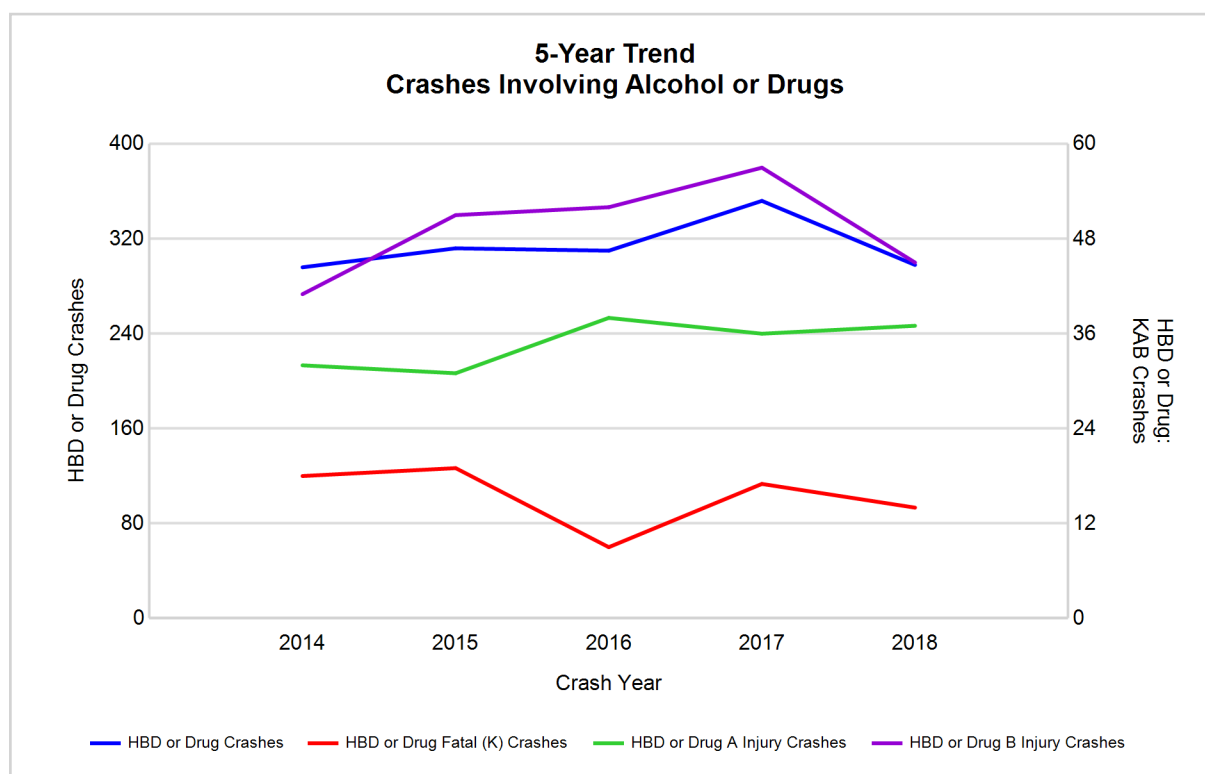


5-Year Trend - Crashes Involving Alcohol or Drugs

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
2014	9,258	296	3.2	33	18	54.5	179	32	17.9	365	41	11.2
2015	8,718	312	3.6	34	19	55.9	161	31	19.3	383	51	13.3
2016	9,654	310	3.2	22	9	40.9	178	38	21.3	438	52	11.9
2017	9,763	352	3.6	41	17	41.5	195	36	18.5	403	57	14.1
2018	9,453	298	3.2	35	14	40.0*	206**	37	18.0	415	45	10.8*

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)

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	9,674	9,264	95.8	24	15	62.5	174	139	79.9	384	354	92.2	782	756	96.7	8,139	7,999	98.3
Motor home	63	59	93.7	0	0	0.0	0	0	0.0	2	2	100.0	2	2	100.0	57	55	96.5
Pickup truck	2,284	2,143	93.8	4	0	0.0	35	24	68.6	86	72	83.7	156	145	92.9	1,961	1,902	97.0
Small truck under 10,000 lbs. GVWR	94	87	92.6	0	0	0.0	1	1	100.0	1	1	100.0	3	3	100.0	86	82	95.3
Motorcycle	89	59	66.3	4	2	50.0	18	10	55.6	28	21	75.0	16	13	81.3	17	13	76.5
Moped / goped	2	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0
Go-cart / golf cart	1	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0
Snowmobile	2	2	100.0	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0	0	0	0.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	40	19	47.5	2	1	50.0	11	7	63.6	12	6	50.0	7	2	28.6	7	3	42.9
Other	63	43	68.3	1	0	0.0	0	0	0.0	3	1	33.3	0	0	0.0	55	42	76.4
Truck/bus over 10,000 lbs.	263	241	91.6	0	0	0.0	5	4	80.0	4	3	75.0	16	11	68.8	232	223	96.1
Unknown	99	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	0	0.0
Total	12,674	11,917	94.0	35	18	51.4	246	186	75.6	522	460	88.1	983	933	94.9	10,558	10,319	97.7

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	133	116	87.2	1	0	0.0	10	6	60.0	35	28	80.0	73	72	98.6	13	10	76.9
16 - 20	1,585	1,543	97.4	4	2	50.0	32	23	71.9	84	74	88.1	165	160	97.0	1,299	1,284	98.8
21 - 24	1,454	1,392	95.7	6	4	66.7	25	15	60.0	70	62	88.6	116	106	91.4	1,231	1,205	97.9
25 - 64	7,695	7,439	96.7	18	7	38.9	143	110	76.9	256	224	87.5	521	494	94.8	6,750	6,604	97.8
65 +	1,457	1,427	97.9	6	5	83.3	35	32	91.4	76	72	94.7	104	101	97.1	1,234	1,216	98.5
Unknown	350	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0	4	0	0.0	31	0	0.0
Total	12,674	11,917	94.0	35	18	51.4	246	186	75.6	522	460	88.1	983	933	94.9	10,558	10,319	97.7

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	38	0	2	40	0	5	28	0	5	27	0	5	16	0	2
Shoulder belt only used	10	0	2	19	0	1	42	0	4	46	0	5	46	0	6
Lap belt only used	34	0	5	48	1	7	53	0	3	33	0	4	30	0	7
Both lap & shoulder belts used	11,460	11	950	10,700	13	870	11,756	9	974	11,852	18	1,012	11,364	12	1,111
No belts used	108	8	50	104	4	48	101	6	51	88	5	43	91	7	43
Child restraint used	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Child restraint not used, unavailable or improper use	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint failure	2	0	0	2	0	0	2	0	1	2	0	0	1	0	0
Restraint use unknown	257	3	26	290	1	28	544	0	44	665	5	47	537	2	36
Helmet worn	104	0	81	83	1	59	92	1	70	59	1	44	73	2	56
Helmet not worn	46	2	35	41	2	30	65	4	42	40	4	30	33	2	23
Helmet use unknown	9	0	6	5	0	3	6	0	4	7	0	4	3	0	3
Uncoded & errors	345	0	0	338	0	1	70	0	0	9	0	0	6	0	0
Total	12,414	24	1,157	11,670	22	1,052	12,759	20	1,198	12,829	33	1,194	12,200	25	1,287

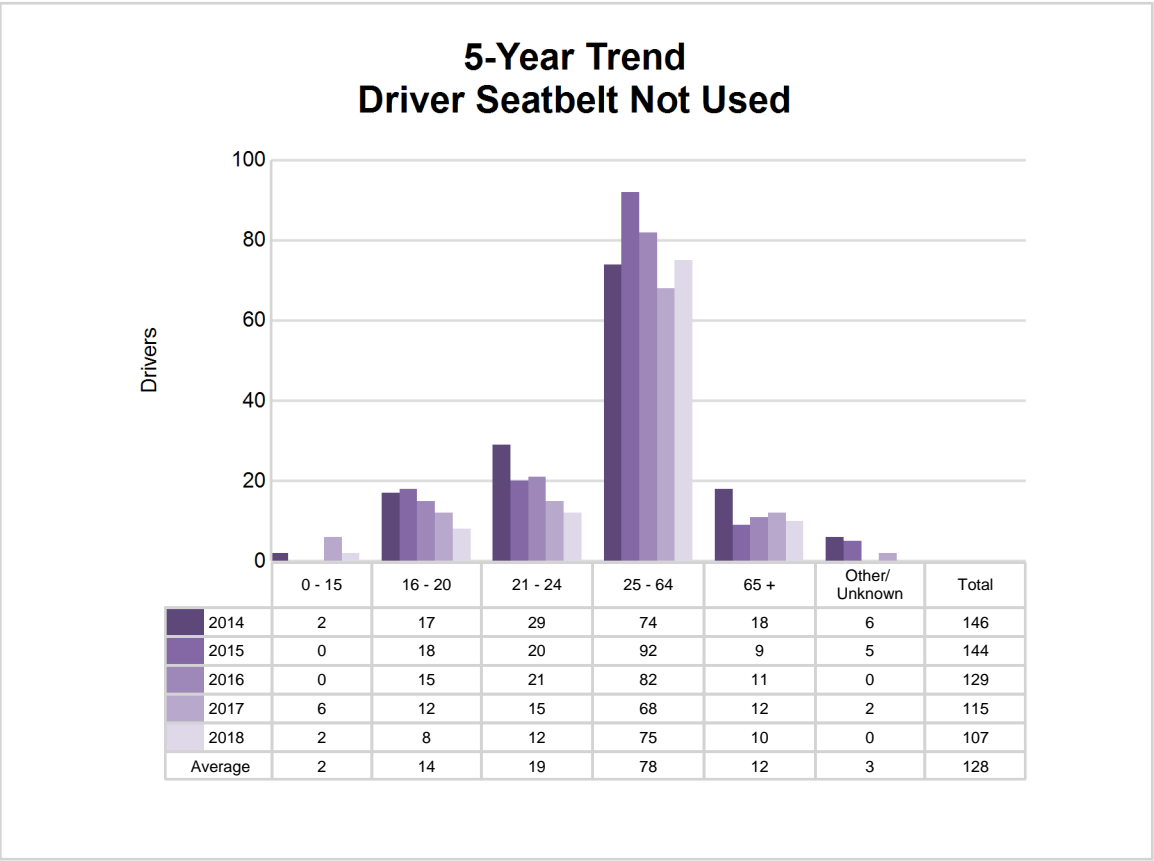
5-Year Trend - Restraint Use Among Drivers Coded Drinking

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	2	0	0	2	0	1	2	0	2	1	0	1	0	0	0
Shoulder belt only used	1	0	0	1	0	0	3	0	0	4	0	2	2	0	0
Lap belt only used	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0
Both lap & shoulder belts used	187	3	45	213	6	67	169	1	44	229	4	60	185	0	72
No belts used	22	2	13	24	4	15	30	2	23	21	2	12	17	5	11
Child restraint used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child restraint not used, unavailable or improper use	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint failure	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Restraint use unknown	37	1	11	36	0	6	42	0	13	50	3	12	46	1	9
Helmet worn	3	0	3	3	0	3	6	0	6	4	1	2	4	1	2
Helmet not worn	11	1	9	7	0	5	15	3	11	8	1	7	8	0	8
Helmet use unknown	0	0	0	1	0	1	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
Total	263	7	81	288	11	98	268	6	99	317	11	96	263	7	102

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	2	0	0	0	0	0	0	0	0	6	0	3	2	0	0
16 - 20	17	1	8	18	0	6	15	1	6	12	0	6	8	1	6
21 - 24	29	0	18	20	1	6	21	1	10	15	0	7	12	1	5
25 - 64	74	5	24	92	3	37	82	3	36	68	5	30	75	5	32
65 +	18	2	2	9	0	4	11	1	4	12	0	2	10	0	2
Unknown	6	0	0	5	0	0	0	0	0	2	0	0	0	0	0
Total	146	8	52	144	4	53	129	6	56	115	5	48	107	7	45

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

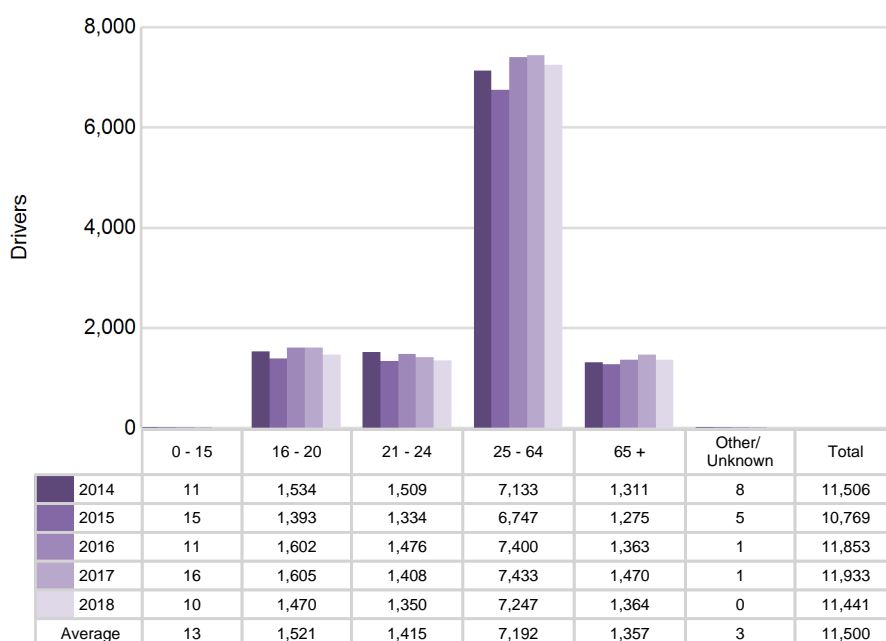


5-Year Trend - Seatbelt Used Among Drivers by Age

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	11	0	1	15	0	1	11	0	2	16	0	3	10	0	0
16 - 20	1,534	0	159	1,393	1	154	1,602	0	161	1,605	3	164	1,470	2	185
21 - 24	1,509	1	120	1,334	2	104	1,476	1	129	1,408	2	130	1,350	3	144
25 - 64	7,133	7	537	6,747	8	509	7,400	4	575	7,433	7	584	7,247	4	649
65 +	1,311	3	139	1,275	3	110	1,363	4	115	1,470	6	140	1,364	3	146
Unknown	8	0	1	5	0	0	1	0	0	1	0	0	0	0	0
Total	11,506	11	957	10,769	14	878	11,853	9	982	11,933	18	1,021	11,441	12	1,124

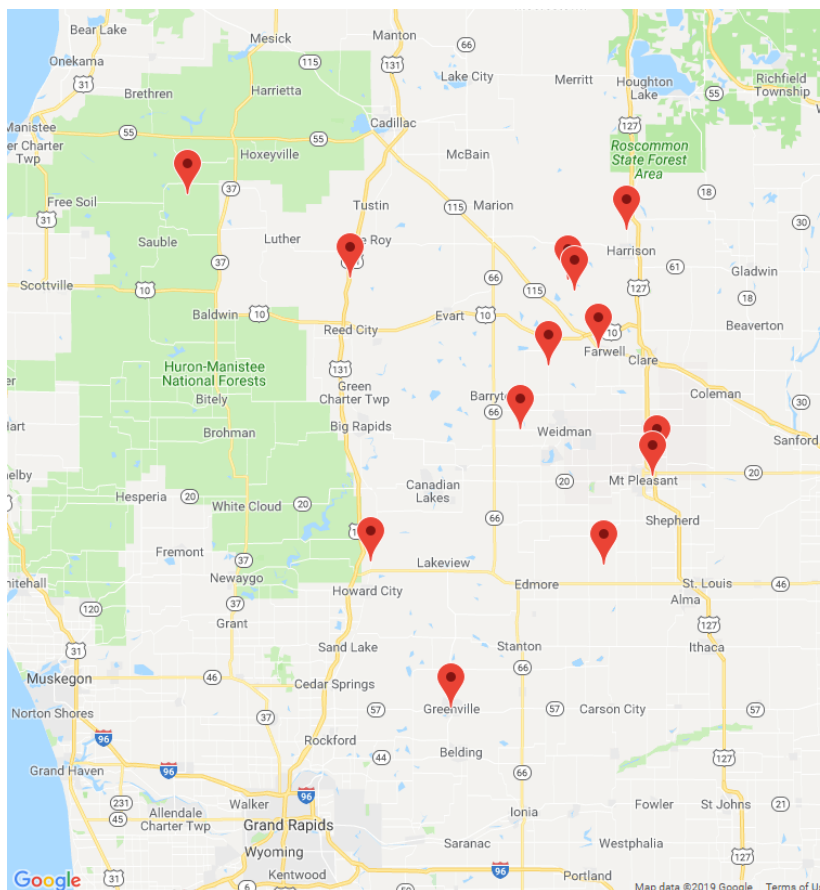
Note: Seatbelt Used includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, and restraint failure.

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	7,525	25	7,372	20	7,967	17	8,106	30	7,647	20
Speed too fast	1,617	7	1,045	8	1,376	3	1,293	3	1,419	9
Speed too slow	11	0	16	0	5	0	7	1	7	0
Failed to yield	904	3	900	5	936	2	936	6	874	2
Disregard traffic control	120	5	124	1	143	4	156	3	146	1
Drove wrong way	8	1	7	0	5	1	6	1	1	0
Drove left of center	62	7	68	2	57	0	58	1	51	1
Improper passing	61	0	50	0	58	1	48	0	61	1
Improper lane use	119	0	151	0	134	0	148	2	137	1
Improper turn	111	0	98	0	94	0	91	1	72	0
Improper/no signal	16	0	16	0	11	0	15	0	7	0
Improper backing	151	0	153	0	142	0	128	0	122	0
Unable to stop in assured clear distance	896	0	856	4	924	1	849	4	704	0
Other	297	0	263	2	307	2	313	0	284	4
Unknown	128	3	120	3	199	3	238	7	228	6
Reckless driving	46	1	72	1	54	1	64	2	56	2
Careless/negligent driving	326	2	354	4	341	1	372	5	384	4
Uncoded & errors	16	0	5	0	6	0	1	0	0	0
Total	12,414	54	11,670	50	12,759	36	12,829	66	12,200	51



The picture above represents all 2018 alcohol-involved fatal crashes in TSN Chippewa Valley.

In 2018, there were 266 alcohol-involved crashes in TSN Chippewa Valley:

- 13 K - Fatal Crashes
- 30 A - Suspected Serious Injury Crashes
- 38 B - Suspected Minor Injury Crashes
- 48 C - Possible Injury Crashes
- 137 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

