



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

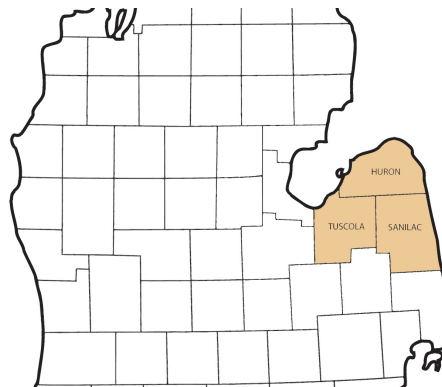
Property Damage Only (PDO)



Traffic Safety Network Thumb Area

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

Traffic Safety Network Thumb Area is comprised of Huron, Sanilac, and Tuscola 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 Thumb Area Experience

In 2018:

There were 5,552 drivers involved in 4,731 motor vehicle crashes in Traffic Safety Network Thumb Area. Of those crashes, 17 were classified as fatal, resulting in 18 fatalities. An additional 673 persons were injured.

Traffic Safety Network Thumb Area experienced the highest number of motor vehicle crashes (635) in November, the highest number of fatal crashes (4) and the highest number of persons killed (5) in September.

Michigan driver statistics indicate 6.4 percent of licensed drivers in Traffic Safety Network Thumb Area were age 16-20, and 10.3 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	456	1	44	411	1	56
February	346	1	33	312	1	37
March	365	1	49	315	1	71
April	329	0	32	297	0	40
May	274	2	44	228	2	53
June	326	1	39	286	1	52
July	321	2	56	263	2	81
August	331	2	51	278	2	72
September	366	4	45	317	5	60
October	538	1	40	497	1	44
November	635	1	42	592	1	66
December	444	1	29	414	1	41
Total	4,731	17	504	4,210	18	673

2018 - Driver Statistics

Age Group	Thumb Area			Driver Rates	
	2018 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	22,296	842	12	5.4	142.5
16 - 20	6,985	6,014	572	818.9	951.1
21 - 24	5,389	5,240	482	894.4	919.8
25 - 64	62,927	59,756	3,681	585.0	616.0
65 +	27,267	25,508	684	250.9	268.2
Unknown	0	0	121	--	--
Total	124,864	97,360	5,552	444.6	570.3

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	3,929	70.8	14	48.3	465	3,450
Motor home	7	0.1	0	0.0	1	6
Pickup truck	1,334	24.0	8	27.6	158	1,168
Small truck under 10,000 lbs. GVWR	31	0.6	0	0.0	5	26
Motorcycle	50	0.9	4	13.8	40	6
Moped / goped	4	0.1	0	0.0	3	1
Go-cart / golf cart	1	0.0	0	0.0	0	1
Snowmobile	1	0.0	0	0.0	1	0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	22	0.4	1	3.4	19	2
Other	32	0.6	0	0.0	6	26
Truck/bus over 10,000 lbs.	122	2.2	2	6.9	23	97
Unknown	19	0.3	0	0.0	2	17
Total	5,552	100.0	29	100.0	723	4,800

TSN Thumb Area (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	527	3	491	1	453	1	415	2	456	1
February	414	0	292	1	417	1	301	1	346	1
March	396	0	314	1	296	1	321	2	365	1
April	288	2	311	1	268	2	281	2	329	0
May	239	2	280	1	300	2	310	1	274	2
June	307	2	363	1	313	2	374	2	326	1
July	313	2	344	2	335	4	359	1	321	2
August	251	5	245	0	303	1	283	5	331	2
September	281	1	285	0	353	1	378	2	366	4
October	508	1	523	4	532	0	575	2	538	1
November	622	1	631	2	726	1	583	1	635	1
December	423	3	413	1	510	0	601	2	444	1
Total	4,569	22	4,492	15	4,806	16	4,781	23	4,731	17

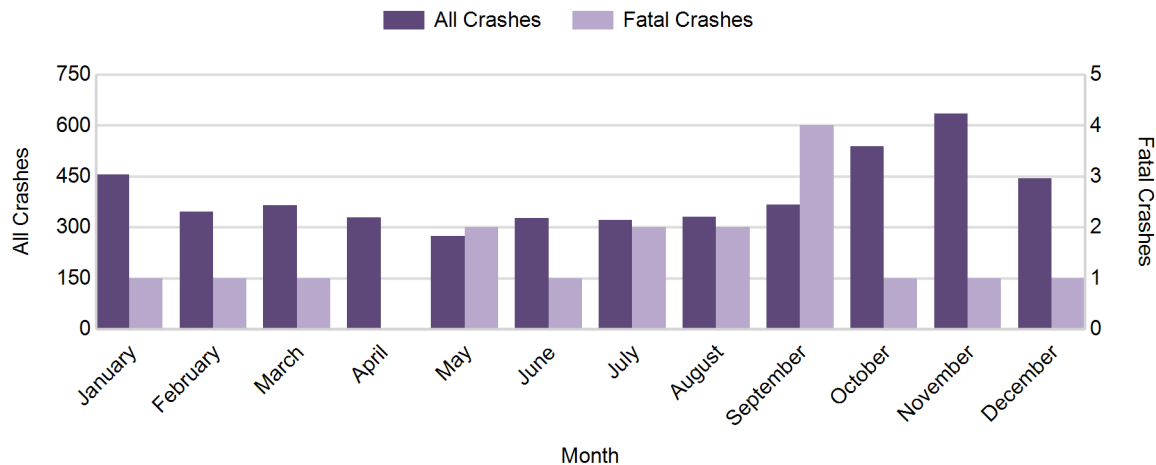
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

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	630	3	630	1	678	1	706	3	691	1
Tuesday	645	2	686	1	686	0	708	2	655	4
Wednesday	687	1	667	3	728	1	663	3	718	5
Thursday	688	5	651	4	728	3	697	7	759	2
Friday	771	6	672	1	796	2	795	2	771	1
Saturday	617	3	673	3	649	5	640	1	626	1
Sunday	531	2	513	2	541	4	572	5	511	3
Total	4,569	22	4,492	15	4,806	16	4,781	23	4,731	17

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

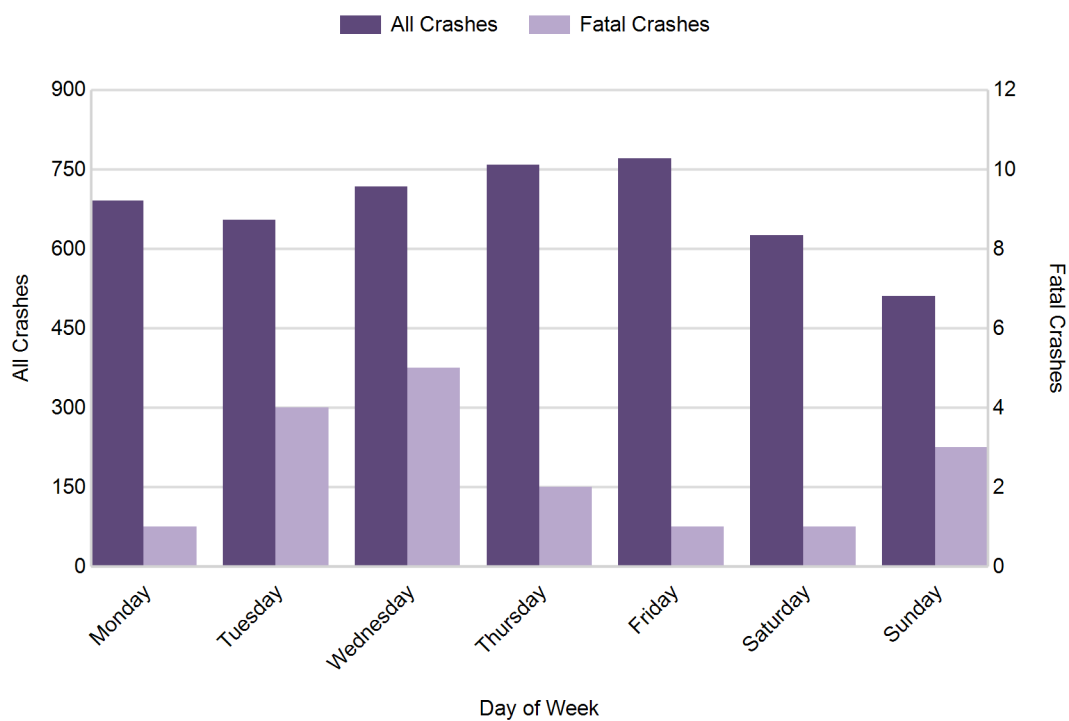
2018 Crashes by Month



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	691	14.6	1	5.9	8	33	41	608
Tuesday	655	13.8	4	23.5	7	16	42	586
Wednesday	718	15.2	5	29.4	11	39	43	620
Thursday	759	16.0	2	11.8	7	21	35	694
Friday	771	16.3	1	5.9	8	21	36	705
Saturday	626	13.2	1	5.9	15	20	28	562
Sunday	511	10.8	3	17.6	8	28	37	435
Total	4,731	100.0	17	100.0	64	178	262	4,210

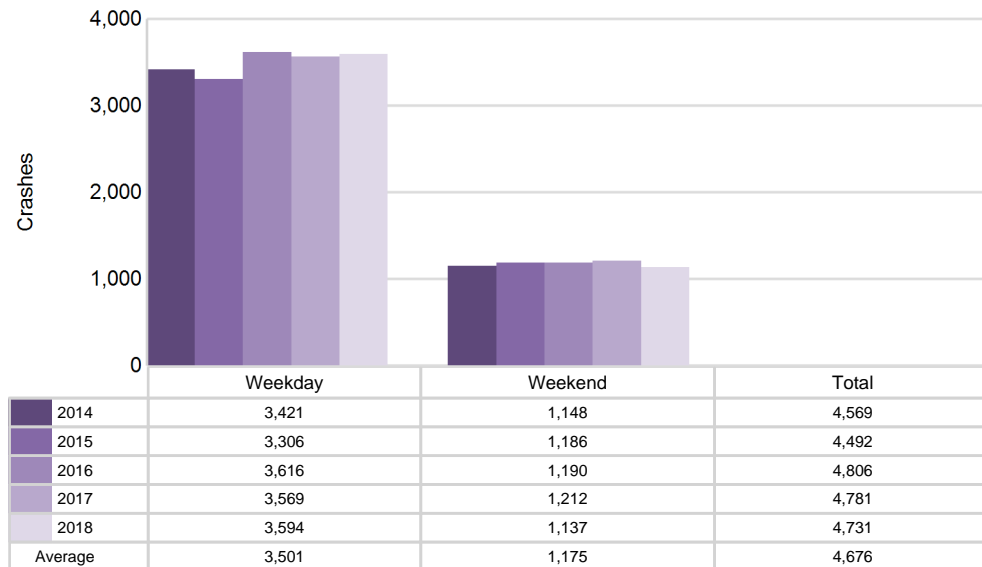
2018 Day of Week and Severity



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	3,421	17	3,306	10	3,616	7	3,569	17	3,594	13
Weekend	1,148	5	1,186	5	1,190	9	1,212	6	1,137	4
Total	4,569	22	4,492	15	4,806	16	4,781	23	4,731	17

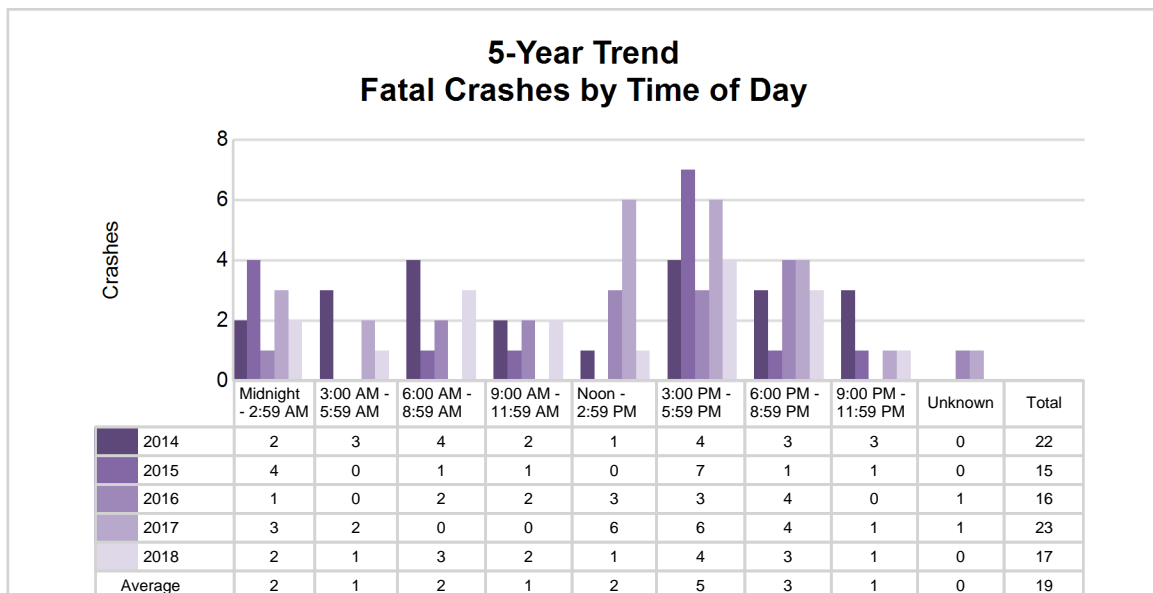
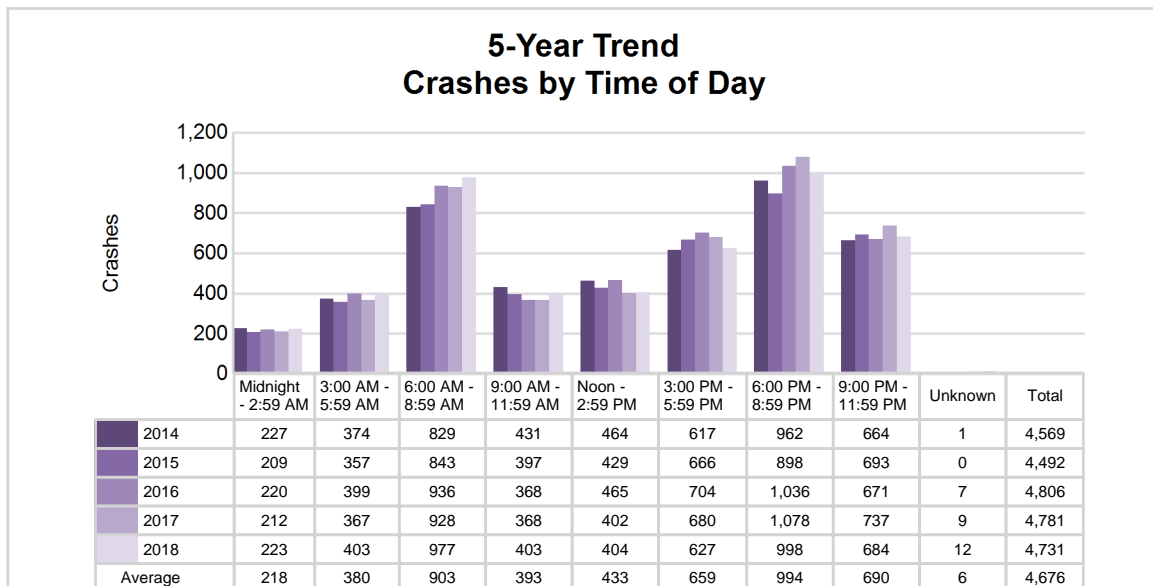
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

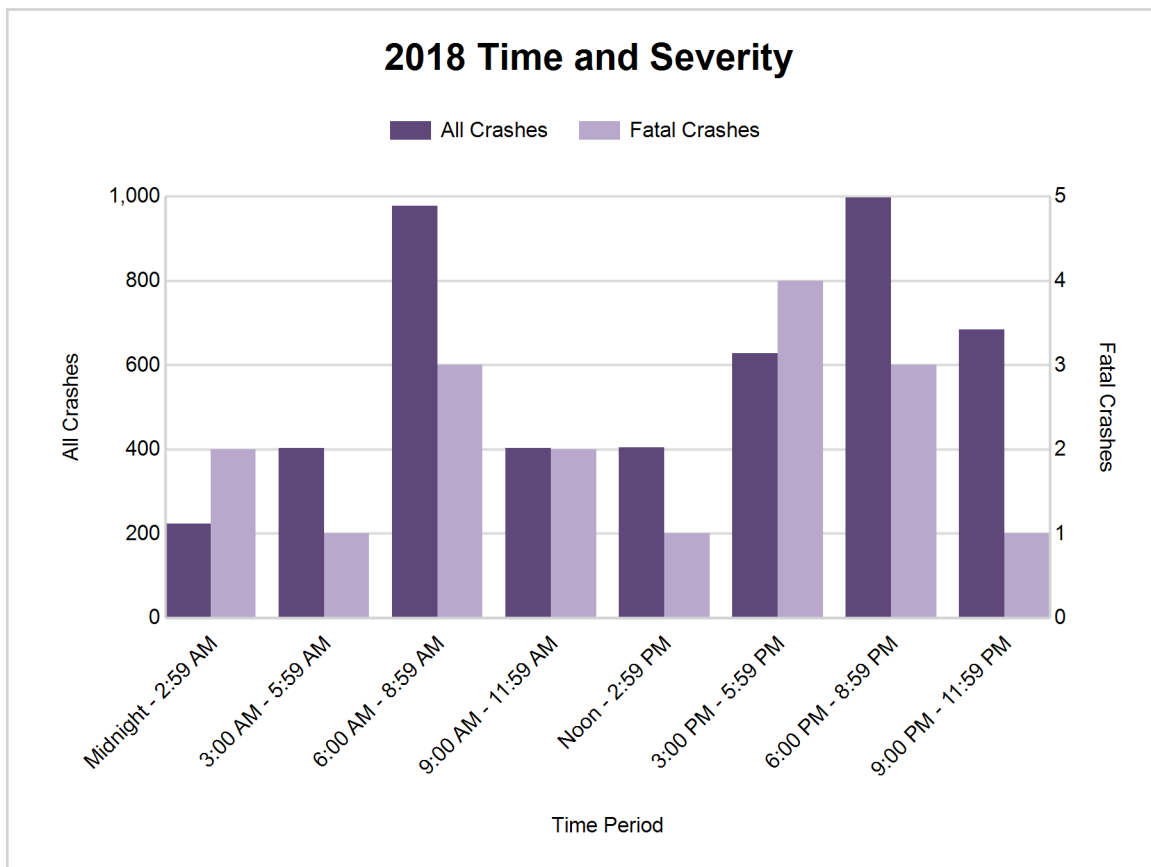
Time of Day	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	227	2	209	4	220	1	212	3	223	2
3:00 AM - 5:59 AM	374	3	357	0	399	0	367	2	403	1
6:00 AM - 8:59 AM	829	4	843	1	936	2	928	0	977	3
9:00 AM - 11:59 AM	431	2	397	1	368	2	368	0	403	2
Noon - 2:59 PM	464	1	429	0	465	3	402	6	404	1
3:00 PM - 5:59 PM	617	4	666	7	704	3	680	6	627	4
6:00 PM - 8:59 PM	962 †	3	898 †	1	1,036 †	4	1,078 †	4	998 †	3
9:00 PM - 11:59 PM	664	3	693	1	671	0	737	1	684	1
Unknown	1	0	0	0	7	1	9	1	12	0
Total	4,569	22	4,492	15	4,806	16	4,781	23	4,731	17

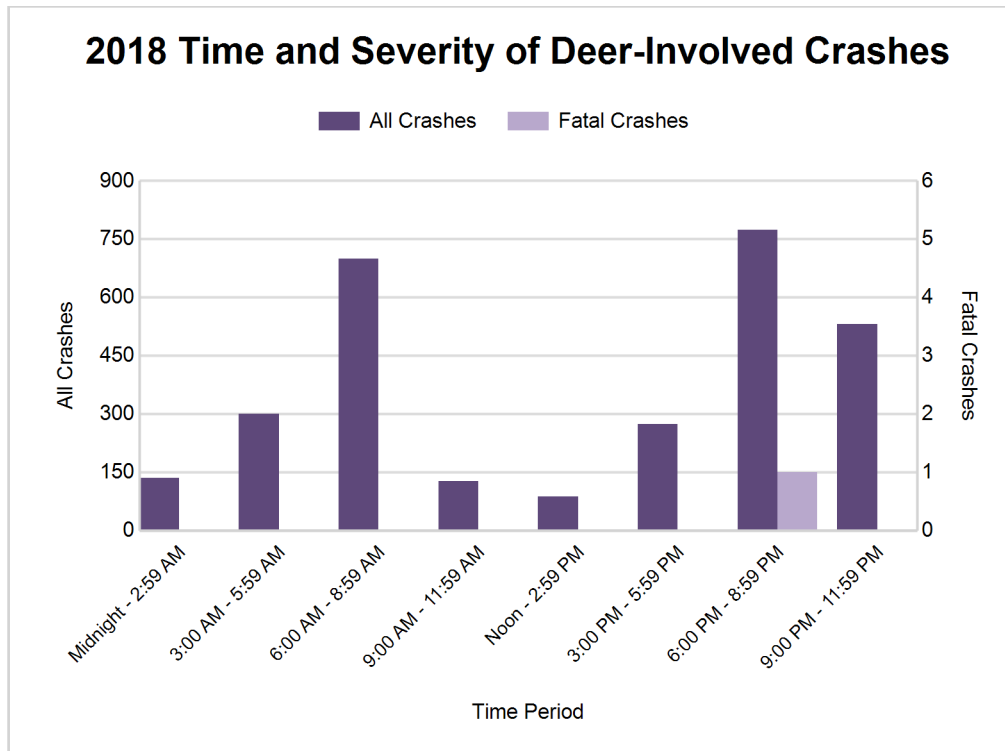
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period



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	223	4.7	2	11.8	6	14	14	187
3:00 AM - 5:59 AM	403	8.5	1	5.9	8	10	14	370
6:00 AM - 8:59 AM	977	20.7	3	17.6	9	24	50	891
9:00 AM - 11:59 AM	403	8.5	2	11.8	7	26	41	327
Noon - 2:59 PM	404	8.5	1	5.9	9	26	39	329
3:00 PM - 5:59 PM	627	13.3	4	23.5	10	37	47	529
6:00 PM - 8:59 PM	998	21.1	3	17.6	6	24	39	926
9:00 PM - 11:59 PM	684	14.5	1	5.9	9	16	17	641
Unknown	12	0.3	0	0.0	0	1	1	10
Total	4,731	100.0	17	100.0	64	178	262	4,210





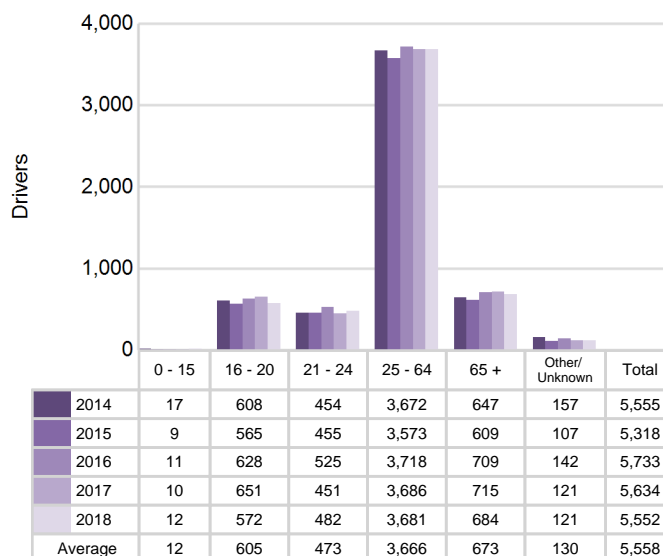
2018 - Reported Motor Vehicle Crashes by County

County	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Huron	1,521	2	136	1,383	0	0	613	908	33	5	1,029	2	168
Sanilac	1,504	5	136	1,363	0	0	664	840	38	6	1,051	5	183
Tuscola	1,706	10	232	1,464	0	0	621	1,083	86	22	844	11	322
Total	4,731	17	504	4,210	0	0	1,898	2,831	157	33	2,924	18	673

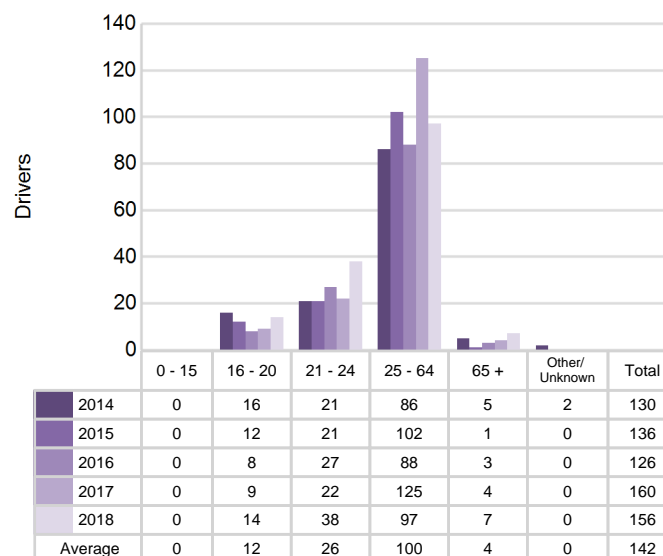
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	17	0	9	0	11	0	10	0	12	0
16 - 20	608	16	565	12	628	8	651	9	572	14
21 - 24	454	21	455	21	525	27	451	22	482	38
25 - 64	3,672	86	3,573	102	3,718	88	3,686	125	3,681	97
65 +	647	5	609	1	709	3	715	4	684	7
Unknown	157	2	107	0	142	0	121	0	121	0
Total	5,555	130	5,318	136	5,733	126	5,634	160	5,552	156

5-Year Trend Total Drivers in Crashes by Age

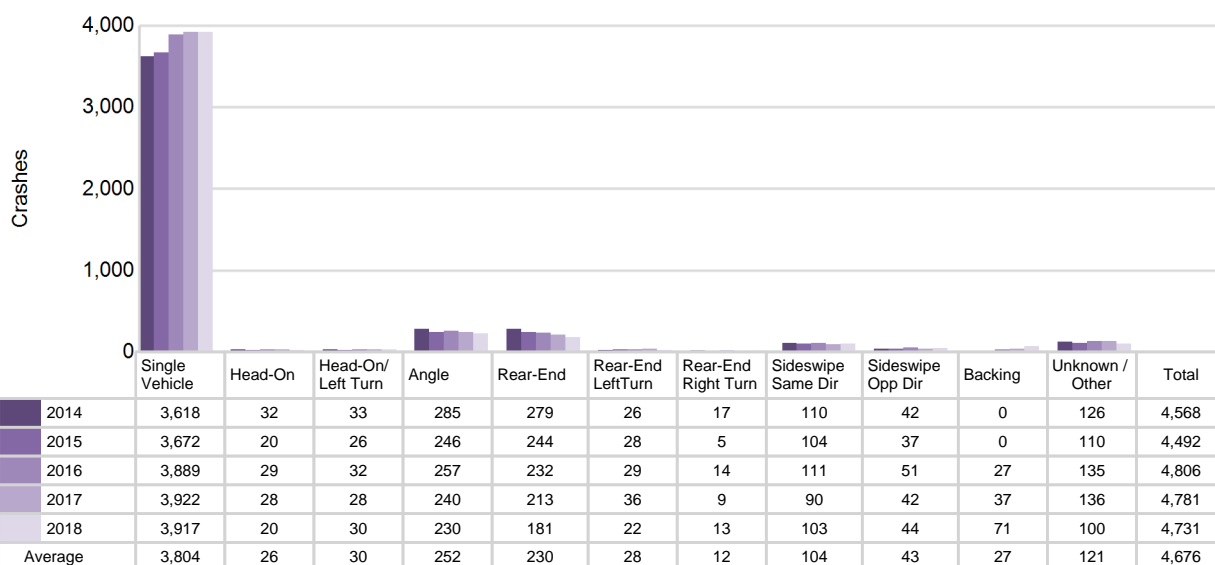


5-Year Trend Total Drivers Coded Drinking by Age



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	3,618	9	3,672	9	3,889	7	3,922	10	3,917	6
Head-on	32	3	20	0	29	1	28	5	20	3
Head-on / left turn	33	1	26	0	32	1	28	0	30	0
Angle	285	6	246	3	257	6	240	7	230	5
Rear-end	279	1	244	1	232	0	213	0	181	0
Rear-end left turn	26	0	28	0	29	0	36	0	22	0
Rear-end right turn	17	0	5	0	14	0	9	0	13	0
Sideswipe same direction	110	0	104	0	111	0	90	0	103	0
Sideswipe opposite direction	42	0	37	1	51	1	42	0	44	1
Backing	0	0	0	0	27	0	37	0	71	1
Other / Unknown	126	2	110	1	135	0	136	1	100	1
Uncoded and Errors	1	0	0	0	0	0	0	0	0	0
Total	4,569	22	4,492	15	4,806	16	4,781	23	4,731	17

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	14	15	10	14	0	2	6	1	5
21 - 24	40	32	28	38	0	2	13	7	16
25 - 64	110	92	67	97	0	7	13	31	46
65 +	9	10	6	7	0	1	2	1	3
Unknown	5	0	0	0	0	0	0	0	0
Total	178	149	111	156	0	12	34	40	70

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 178 drivers in alcohol-involved crashes; 156 (87.6%) of those drivers were coded as had-been-drinking by the officer on the crash form.

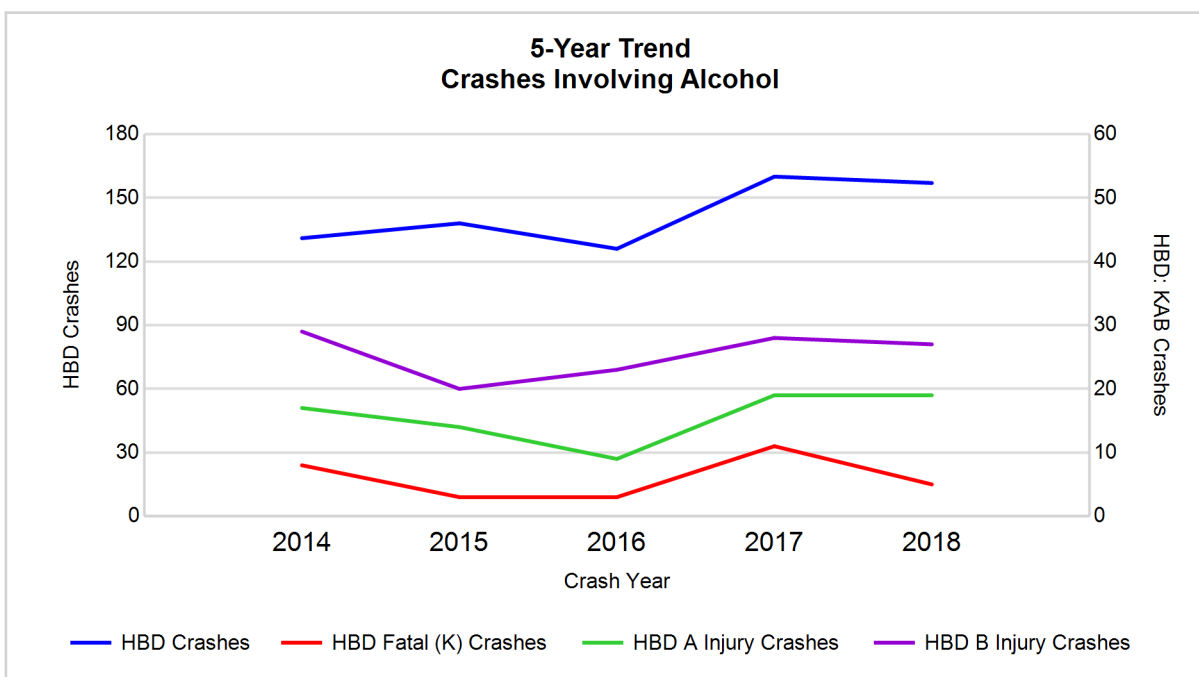
- 74 (47.4%) of the 156 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 40 (54.1%) of the 74 drivers had a BAC at or above 0.17 g/dL.
- 111 (71.2%) of the 156 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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	4,569	131	2.9	22	8	36.4	61	17	27.9	175	29	16.6
2015	4,492	138	3.1	15	3	20.0	62	14	22.6	181	20	11.0
2016	4,806	126	2.6	16	3	18.8	75	9	12.0	190	23	12.1
2017	4,781	160	3.3	23	11	47.8	75	19	25.3	208	28	13.5
2018	4,731	157	3.3	17	5	29.4	64	19	29.7**	178	27	15.2

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



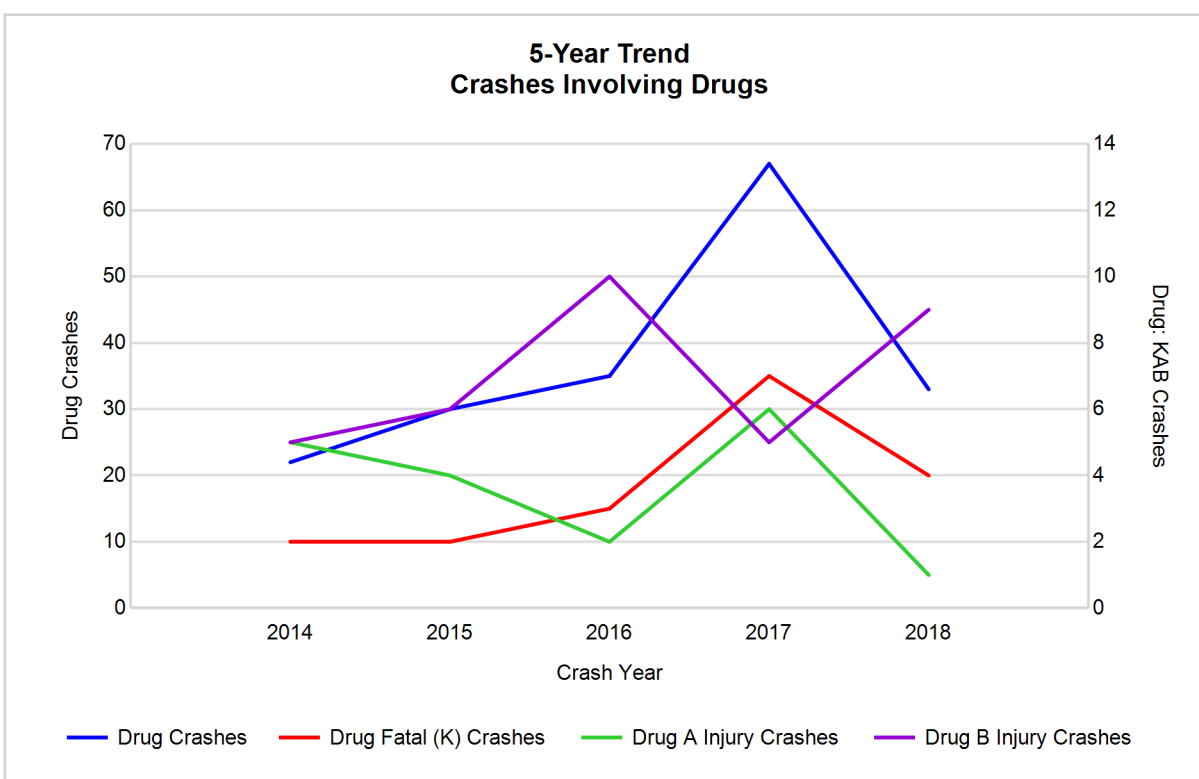
Note: Had-Been-Drinking (HBD)

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	4,569	22	0.5	22	2	9.1	61	5	8.2	175	5	2.9
2015	4,492	30	0.7	15	2	13.3	62	4	6.5	181	6	3.3
2016	4,806	35	0.7	16	3	18.8	75	2	2.7	190	10	5.3
2017	4,781	67	1.4	23	7	30.4	75	6	8.0	208	5	2.4
2018	4,731	33	0.7	17	4	23.5	64	1*	1.6*	178	9	5.1

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

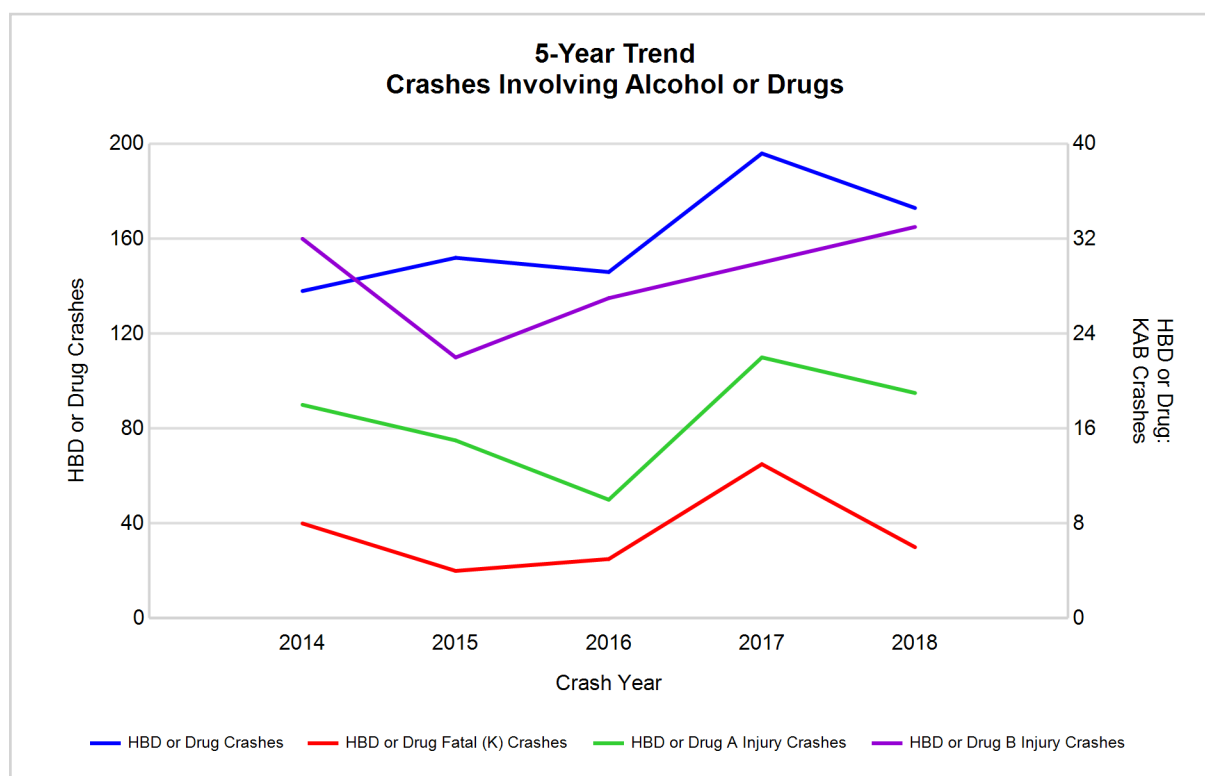


5-Year Trend - Crashes Involving Alcohol or Drugs

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	4,569	138	3.0	22	8	36.4	61	18	29.5	175	32	18.3
2015	4,492	152	3.4	15	4	26.7	62	15	24.2	181	22	12.2
2016	4,806	146	3.0	16	5	31.3	75	10	13.3	190	27	14.2
2017	4,781	196	4.1	23	13	56.5	75	22	29.3	208	30	14.4
2018	4,731	173	3.7	17	6	35.3	64	19	29.7**	178	33**	18.5**

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	4,031	3,816	94.7	9	6	66.7	41	29	70.7	121	102	84.3	274	264	96.4	3,508	3,415	97.3
Motor home	7	7	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	7	7	100.0
Pickup truck	1,365	1,296	94.9	3	2	66.7	12	6	50.0	43	38	88.4	72	67	93.1	1,213	1,182	97.4
Small truck under 10,000 lbs. GVWR	32	31	96.9	0	0	0.0	0	0	0.0	2	2	100.0	2	2	100.0	27	27	100.0
Motorcycle	61	35	57.4	3	1	33.3	17	8	47.1	25	15	60.0	7	6	85.7	8	5	62.5
Moped / goped	4	1	25.0	0	0	0.0	1	0	0.0	1	1	100.0	1	0	0.0	1	0	0.0
Go-cart / golf cart	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Snowmobile	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	31	7	22.6	1	0	0.0	4	1	25.0	11	3	27.3	11	3	27.3	4	0	0.0
Other	32	17	53.1	0	0	0.0	0	0	0.0	0	0	0.0	3	0	0.0	29	17	58.6
Truck/bus over 10,000 lbs.	122	115	94.3	1	0	0.0	0	0	0.0	3	3	100.0	7	7	100.0	109	105	96.3
Unknown	19	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	0	0.0
Total	5,706	5,326	93.3	17	9	52.9	75	44	58.7	206	164	79.6	378	350	92.6	4,909	4,758	96.9

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	47	37	78.7	1	1	100.0	3	3	100.0	9	8	88.9	25	20	80.0	9	5	55.6
16 - 20	595	570	95.8	1	1	100.0	4	3	75.0	34	33	97.1	55	50	90.9	501	483	96.4
21 - 24	492	453	92.1	1	0	0.0	11	5	45.5	35	22	62.9	38	35	92.1	404	391	96.8
25 - 64	3,749	3,584	95.6	11	4	36.4	49	27	55.1	100	77	77.0	209	194	92.8	3,375	3,281	97.2
65 +	702	682	97.2	3	3	100.0	8	6	75.0	28	24	85.7	51	51	100.0	612	598	97.7
Unknown	121	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	8	0	0.0
Total	5,706	5,326	93.3	17	9	52.9	75	44	58.7	206	164	79.6	378	350	92.6	4,909	4,758	96.9

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	29	0	6	48	1	2	20	0	2	29	1	17	14	0	3
Shoulder belt only used	7	0	1	6	0	0	35	0	4	24	0	2	24	0	2
Lap belt only used	36	0	3	31	0	1	18	0	2	17	0	3	20	0	5
Both lap & shoulder belts used	5,142	8	456	4,923	3	430	5,275	5	483	5,203	9	455	5,120	7	397
No belts used	68	7	31	63	4	32	73	4	42	70	4	47	59	3	30
Child restraint used	0	0	0	1	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	1	0	0	3	0	0	1	0	1	2	0	0	1	0	0
Restraint use unknown	46	2	8	58	2	18	203	1	14	223	0	13	232	2	10
Helmet worn	39	1	24	50	1	37	34	0	25	32	1	25	35	1	29
Helmet not worn	20	0	14	23	1	16	19	2	15	23	2	20	38	3	29
Helmet use unknown	8	0	5	7	0	4	6	0	4	5	1	2	3	0	1
Uncoded & errors	159	0	0	105	0	0	49	0	0	6	0	0	6	0	0
Total	5,555	18	548	5,318	12	540	5,733	12	592	5,634	18	584	5,552	16	506

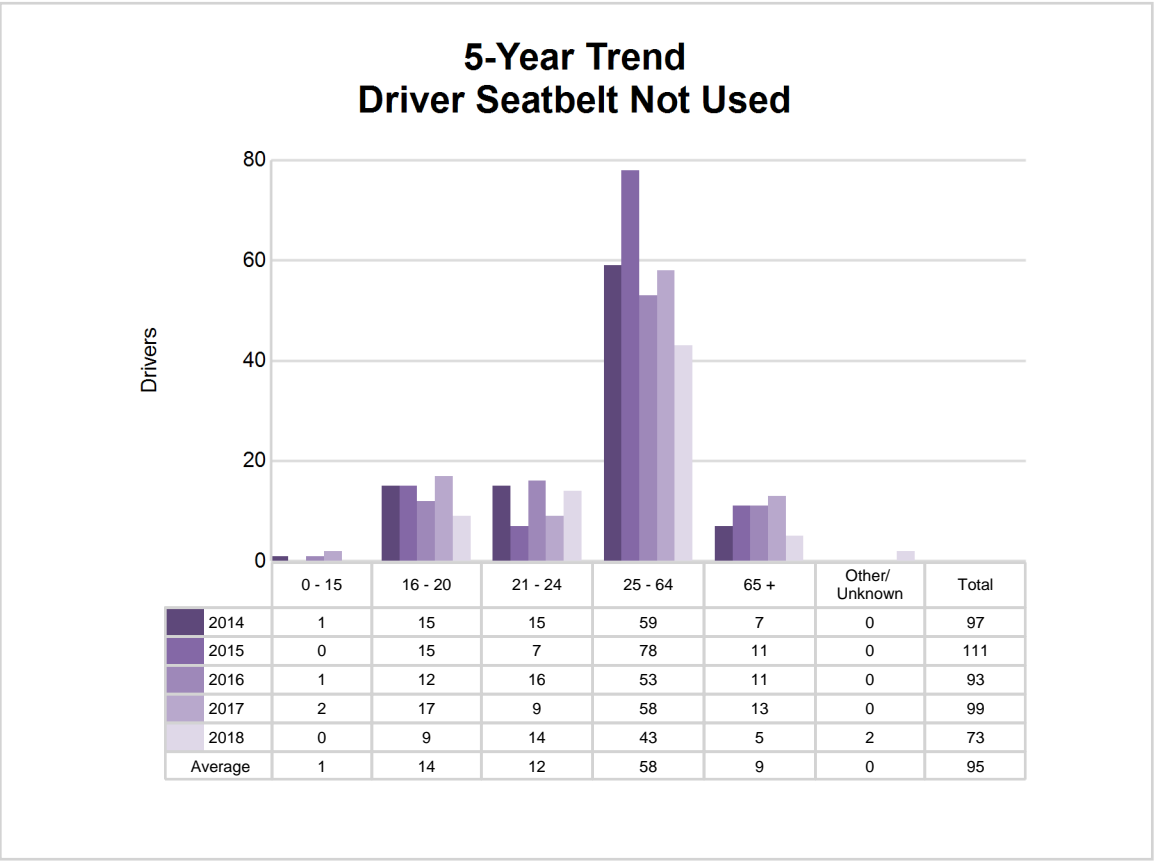
5-Year Trend - Restraint Use Among Drivers Coded Drinking

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	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Shoulder belt only used	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Lap belt only used	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0
Both lap & shoulder belts used	87	1	42	91	0	23	83	1	28	106	3	30	91	0	22
No belts used	20	4	13	13	2	10	17	1	11	23	3	19	17	1	13
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	1	0	1	0	0	0	0	0	0
Restraint use unknown	15	1	3	24	0	9	23	0	4	17	0	4	30	1	5
Helmet worn	1	0	0	0	0	0	0	0	0	1	0	1	2	0	2
Helmet not worn	4	0	4	6	1	2	2	1	1	10	2	8	13	3	10
Helmet use unknown	0	0	0	1	0	1	0	0	0	1	1	0	2	0	1
Uncoded & errors	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	130	6	63	136	3	45	126	3	45	160	9	62	156	5	54

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	1	0	0	0	0	0	1	0	1	2	0	2	0	0	0
16 - 20	15	2	3	15	0	9	12	0	6	17	0	11	9	0	2
21 - 24	15	0	9	7	0	1	16	0	9	9	1	6	14	0	8
25 - 64	59	4	24	78	3	23	53	2	23	58	3	37	43	3	21
65 +	7	1	1	11	2	1	11	2	5	13	1	8	5	0	2
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Total	97	7	37	111	5	34	93	4	44	99	5	64	73	3	33

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

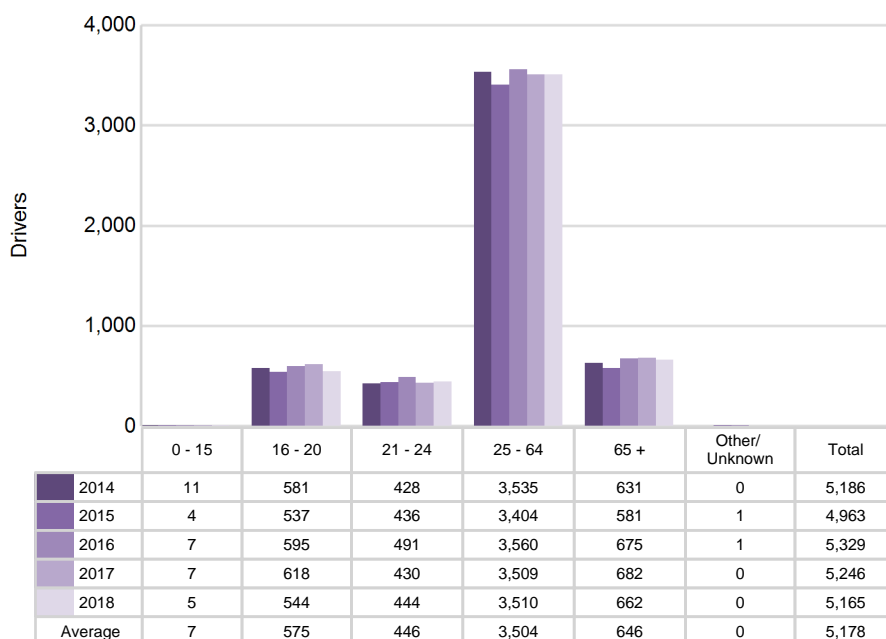


5-Year Trend - Seatbelt Used Among Drivers by Age

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	2	4	0	0	7	0	2	7	0	1	5	0	0
16 - 20	581	0	92	537	0	79	595	0	76	618	0	83	544	1	61
21 - 24	428	1	46	436	0	54	491	0	60	430	0	44	444	0	53
25 - 64	3,535	5	258	3,404	2	256	3,560	2	282	3,509	4	268	3,510	4	228
65 +	631	2	62	581	1	42	675	3	70	682	5	64	662	2	62
Unknown	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
Total	5,186	8	460	4,963	3	431	5,329	5	490	5,246	9	460	5,165	7	404

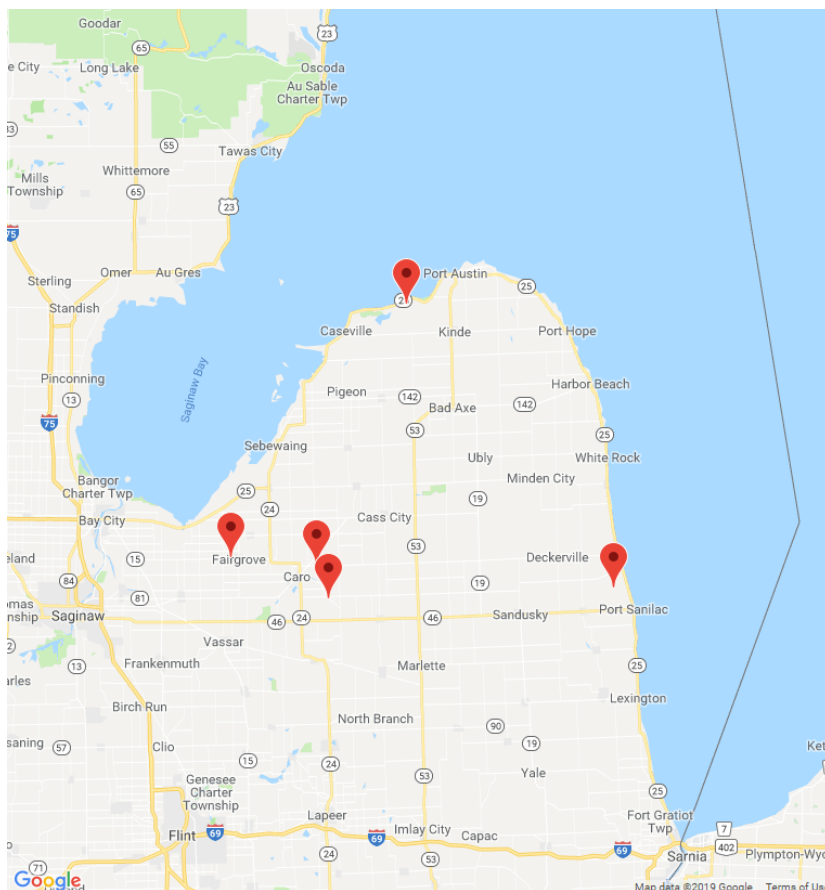
Note: Seatbelt Used includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, and restraint failure.

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	3,914	11	3,756	9	4,003	9	3,912	11	3,872	10
Speed too fast	457	7	379	4	411	1	368	1	432	3
Speed too slow	6	0	4	0	4	0	4	0	5	0
Failed to yield	280	4	246	2	289	4	254	4	236	0
Disregard traffic control	44	3	53	1	51	3	64	3	40	4
Drove wrong way	2	0	0	0	2	0	2	0	1	0
Drove left of center	21	0	22	0	35	1	39	2	36	3
Improper passing	24	0	32	0	29	0	25	0	30	1
Improper lane use	16	2	30	1	39	0	33	0	51	0
Improper turn	37	0	35	0	44	0	30	0	23	0
Improper/no signal	11	0	5	0	6	0	4	0	13	0
Improper backing	91	0	79	1	91	0	64	0	74	0
Unable to stop in assured clear distance	277	1	252	1	252	1	238	0	205	2
Other	127	0	124	2	155	2	153	2	152	1
Unknown	47	3	52	2	97	4	157	5	112	0
Reckless driving	18	2	26	0	15	0	20	1	16	0
Careless/negligent driving	180	2	218	0	186	0	231	5	219	3
Uncoded & errors	3	0	5	0	24	0	36	1	35	2
Total	5,555	35	5,318	23	5,733	25	5,634	35	5,552	29



The picture above represents all 2018 alcohol-involved fatal crashes in TSN Thumb Area.

In 2018, there were 157 alcohol-involved crashes in TSN Thumb Area:

- 5 K - Fatal Crashes
- 19 A - Suspected Serious Injury Crashes
- 27 B - Suspected Minor Injury Crashes
- 16 C - Possible Injury Crashes
- 90 O - Property Damage Only/No Injury Crashes

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