



2017

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

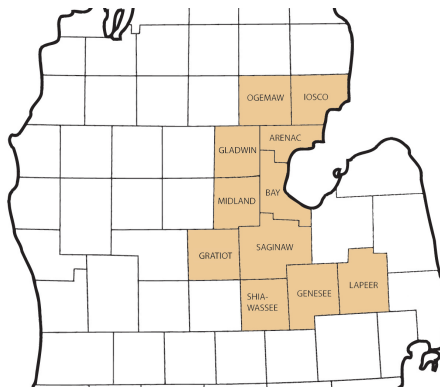
Property Damage Only (PDO)



Traffic Safety Network Saginaw Valley

2017 Traffic Crash Data & 2013-2017 5-Year Trends

Traffic Safety NetworkSaginaw Valley is comprised of Arenac, Bay, Genesee, Gladwin, Gratiot, Iosco, Lapeer, Midland, Ogemaw, Saginaw, and Shiawassee 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 Saginaw Valley Experience

In 2017:

There were 49,359 drivers involved in 31,575 motor vehicle crashes in Traffic Safety Network Saginaw Valley. Of those crashes, 119 were classified as fatal, resulting in 124 fatalities. An additional 8,116 persons were injured.

Traffic Safety Network Saginaw Valley experienced the highest number of motor vehicle crashes (4,127) in December, the highest number of fatal crashes (18) and the highest number of persons killed (18) in July.

Michigan driver statistics indicate 6.5 percent of licensed drivers in Traffic Safety Network Saginaw Valley were age 16-20, and 11.8 percent of drivers in crashes were also in that age group.

2017 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	2,753	10	484	2,259	10	655
February	1,906	3	362	1,541	3	509
March	2,570	10	446	2,114	10	649
April	2,070	7	420	1,643	7	573
May	2,361	7	488	1,866	8	684
June	2,435	14	521	1,900	15	739
July	2,252	18	506	1,728	18	728
August	2,181	9	501	1,671	10	690
September	2,354	8	493	1,853	9	690
October	3,320	9	550	2,761	10	792
November	3,246	13	478	2,755	13	670
December	4,127	11	568	3,548	11	737
Total	31,575	119	5,817	25,639	124	8,116

2017 - Driver Statistics

Age Group	Saginaw Valley			Driver Rates	
	2017 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	201,118	5,529	74	3.7	133.8
16 - 20	67,639	51,022	5,837	863.0	1,144.0
21 - 24	53,592	47,990	4,807	897.0	1,001.7
25 - 64	550,133	505,156	29,770	541.1	589.3
65 +	198,547	179,094	5,848	294.5	326.5
Unknown	0	0	3,023	--	--
Total	1,071,029	788,791	49,359	460.9	625.8

2017 - 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	39,091	79.2	121	66.5	8,210	30,760
Motor home	107	0.2	0	0.0	20	87
Pickup truck	7,615	15.4	28	15.4	1,443	6,144
Small truck under 10,000 lbs. GVWR	304	0.6	5	2.7	47	252
Motorcycle	307	0.6	17	9.3	225	65
Moped / goped	26	0.1	1	0.5	21	4
Go-cart / golf cart	6	0.0	0	0.0	0	6
Snowmobile	6	0.0	1	0.5	4	1
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	34	0.1	0	0.0	32	2
Other	241	0.5	1	0.5	53	187
Truck/bus over 10,000 lbs.	964	2.0	6	3.3	233	725
Unknown	658	1.3	2	1.1	60	596
Total	49,359	100.0	182	100.0	10,348	38,829

Traffic Safety Network Saginaw Valley (continued)

5-Year Trend - Crashes by Month

Month	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	2,886	8	3,599	5	3,195	6	2,947	8	2,753	10
February	2,628	8	2,623	8	2,397	2	2,805	7	1,906	3
March	2,231	6	2,407	5	2,082	5	2,330	5	2,570	10
April	2,000	6	1,824	4	1,882	7	2,192	3	2,070	7
May	2,280	11	2,134	5	2,315	13	2,117	7	2,361	7
June	2,177	5	2,252	13	2,349	10	2,316	8	2,435	14
July	1,999	9	1,926	6	2,065	14	2,213	9	2,252	18
August	1,961	8	1,895	10	1,957	8	2,218	9	2,181	9
September	2,200	12	2,142	6	2,245	13	2,410	12	2,354	8
October	2,844	9	3,021	5	3,136	11	2,878	16	3,320	9
November	3,485	7	3,578	7	3,651	11	3,262	10	3,246	13
December	3,519	6	2,380	6	2,706	9	3,277	11	4,127	11
Total	30,210	95	29,781	80	29,980	109	30,965	105	31,575	119

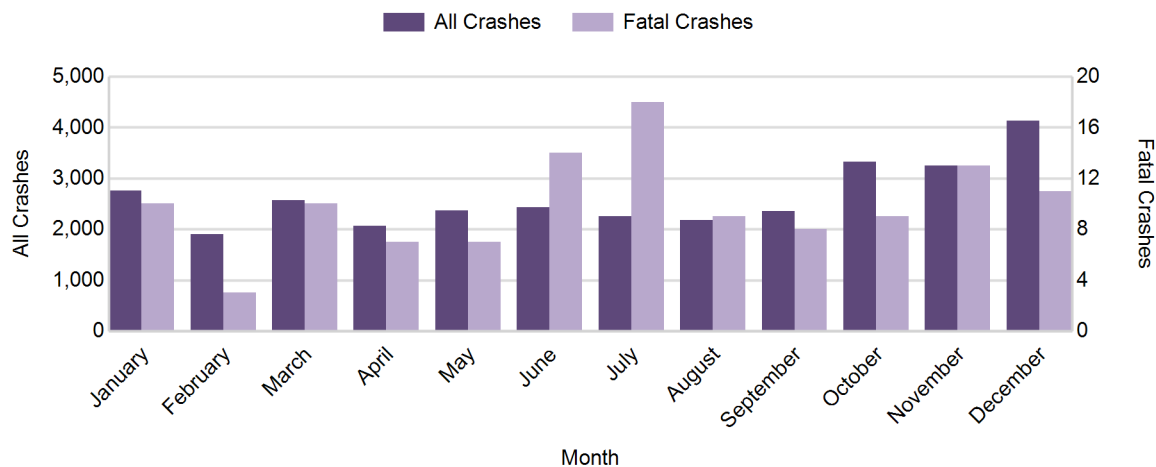
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

5-Year Trend - Crashes by Day of Week

Day	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	4,451	13	4,042	7	4,303	15	4,396	14	4,488	17
Tuesday	4,472	9	4,404	10	4,525	17	4,689	11	4,781	19
Wednesday	4,436	10	4,740	10	4,522	11	4,946	14	4,699	14
Thursday	4,674	11	4,899	9	4,410	8	4,505	12	4,902	16
Friday	4,808 †	15	4,914 †	9	4,752 †	24	5,016 †	21	5,023 †	18
Saturday	4,000	24	3,589	19	4,172	22	3,916	18	4,262	19
Sunday	3,369	13	3,193	16	3,296	12	3,497	15	3,420	16
Total	30,210	95	29,781	80	29,980	109	30,965	105	31,575	119

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

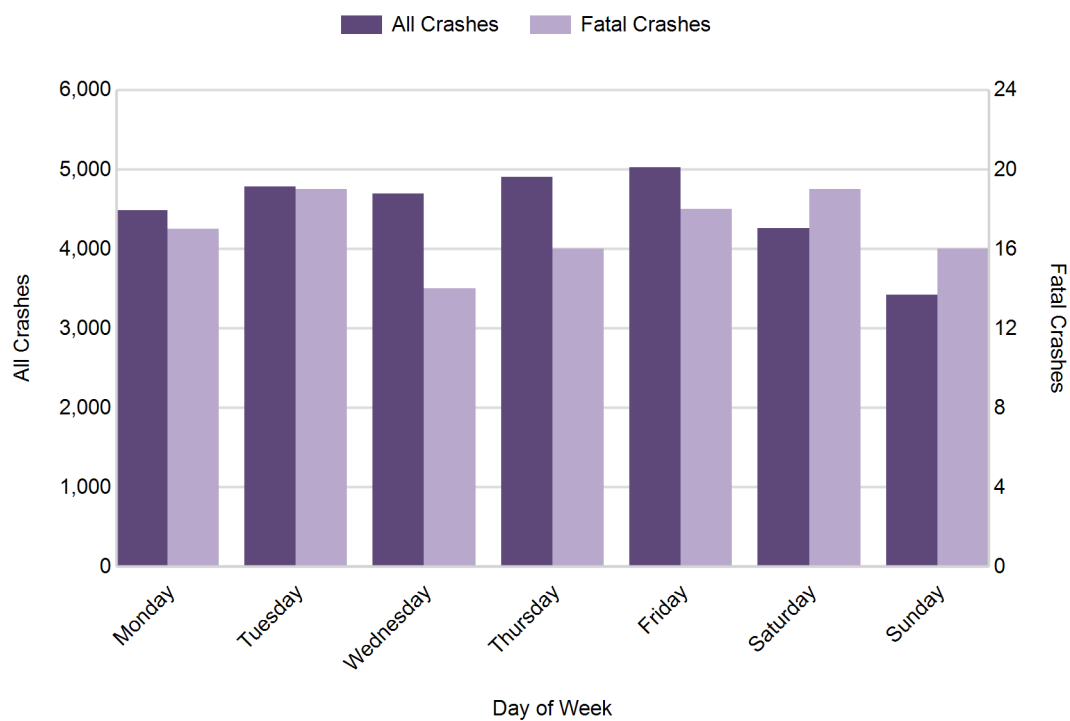
2017 Crashes by Month



2017 - 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	4,488	14.2	17	14.3	71	220	558	3,622
Tuesday	4,781	15.1	19	16.0	59	244	567	3,892
Wednesday	4,699	14.9	14	11.8	71	206	571	3,837
Thursday	4,902	15.5	16	13.4	79	224	609	3,974
Friday	5,023	15.9	18	15.1	69	235	590	4,111
Saturday	4,262	13.5	19	16.0	97	223	460	3,463
Sunday	3,420	10.8	16	13.4	81	200	383	2,740
Total	31,575	100.0	119	100.0	527	1,552	3,738	25,639

2017 Day of Week and Severity

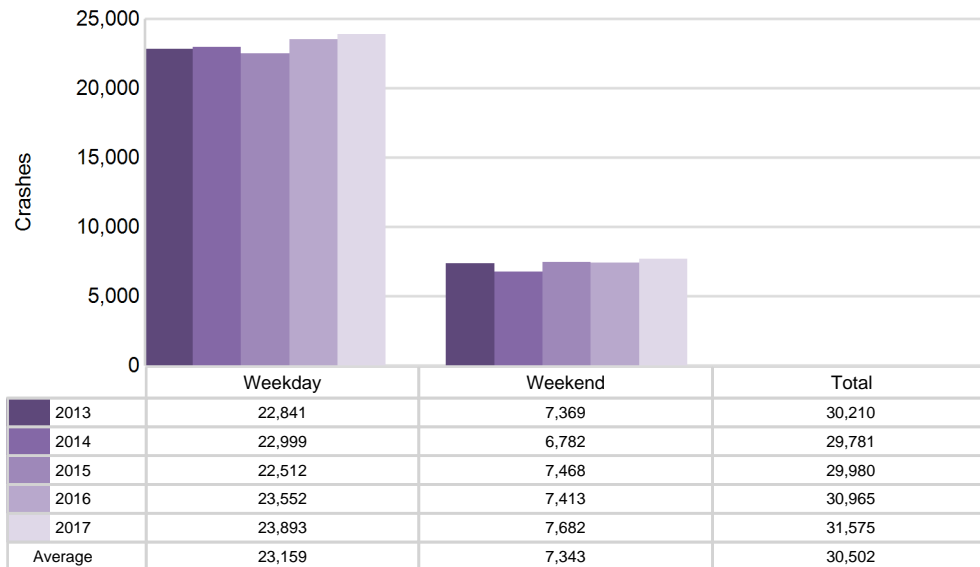


Traffic Safety Network Saginaw Valley (continued)

5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	22,841	58	22,999	45	22,512	75	23,552	72	23,893	84
Weekend	7,369	37	6,782	35	7,468	34	7,413	33	7,682	35
Total	30,210	95	29,781	80	29,980	109	30,965	105	31,575	119

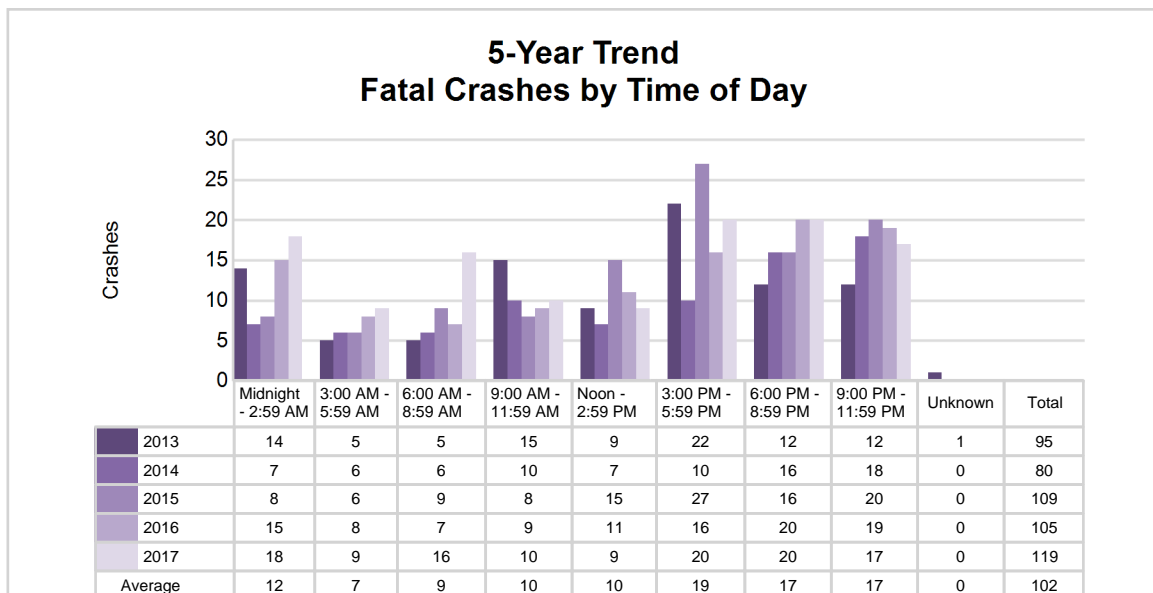
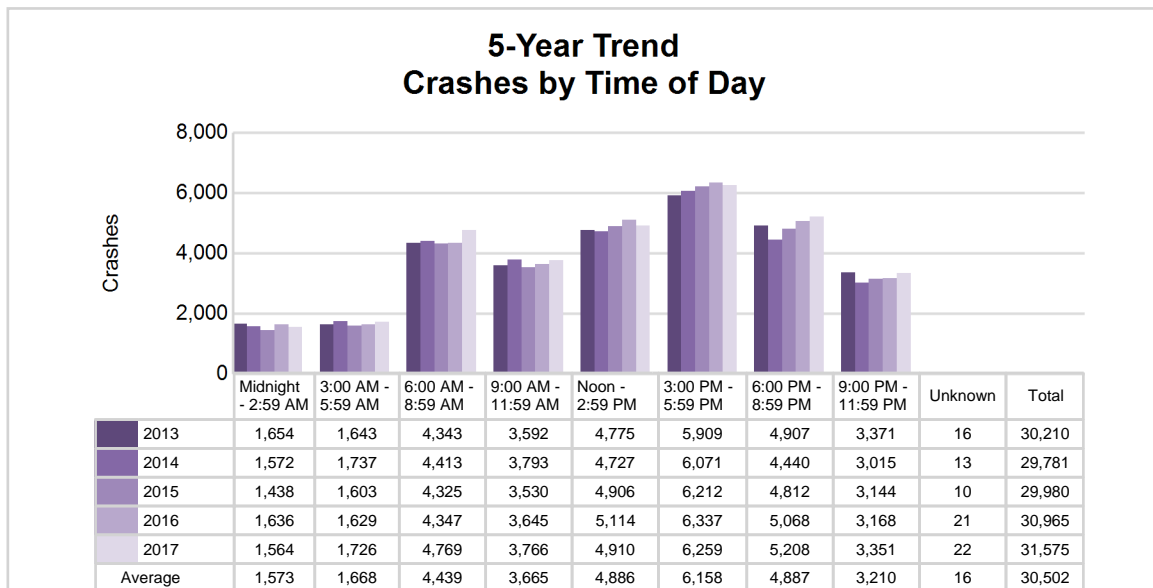
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

Time of Day	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	1,654	14	1,572	7	1,438	8	1,636	15	1,564	18
3:00 AM - 5:59 AM	1,643	5	1,737	6	1,603	6	1,629	8	1,726	9
6:00 AM - 8:59 AM	4,343	5	4,413	6	4,325	9	4,347	7	4,769	16
9:00 AM - 11:59 AM	3,592	15	3,793	10	3,530	8	3,645	9	3,766	10
Noon - 2:59 PM	4,775	9	4,727	7	4,906	15	5,114	11	4,910	9
3:00 PM - 5:59 PM	5,909 †	22	6,071 †	10	6,212 †	27	6,337 †	16	6,259 †	20
6:00 PM - 8:59 PM	4,907	12	4,440	16	4,812	16	5,068	20	5,208	20
9:00 PM - 11:59 PM	3,371	12	3,015	18	3,144	20	3,168	19	3,351	17
Unknown	16	1	13	0	10	0	21	0	22	0
Total	30,210	95	29,781	80	29,980	109	30,965	105	31,575	119

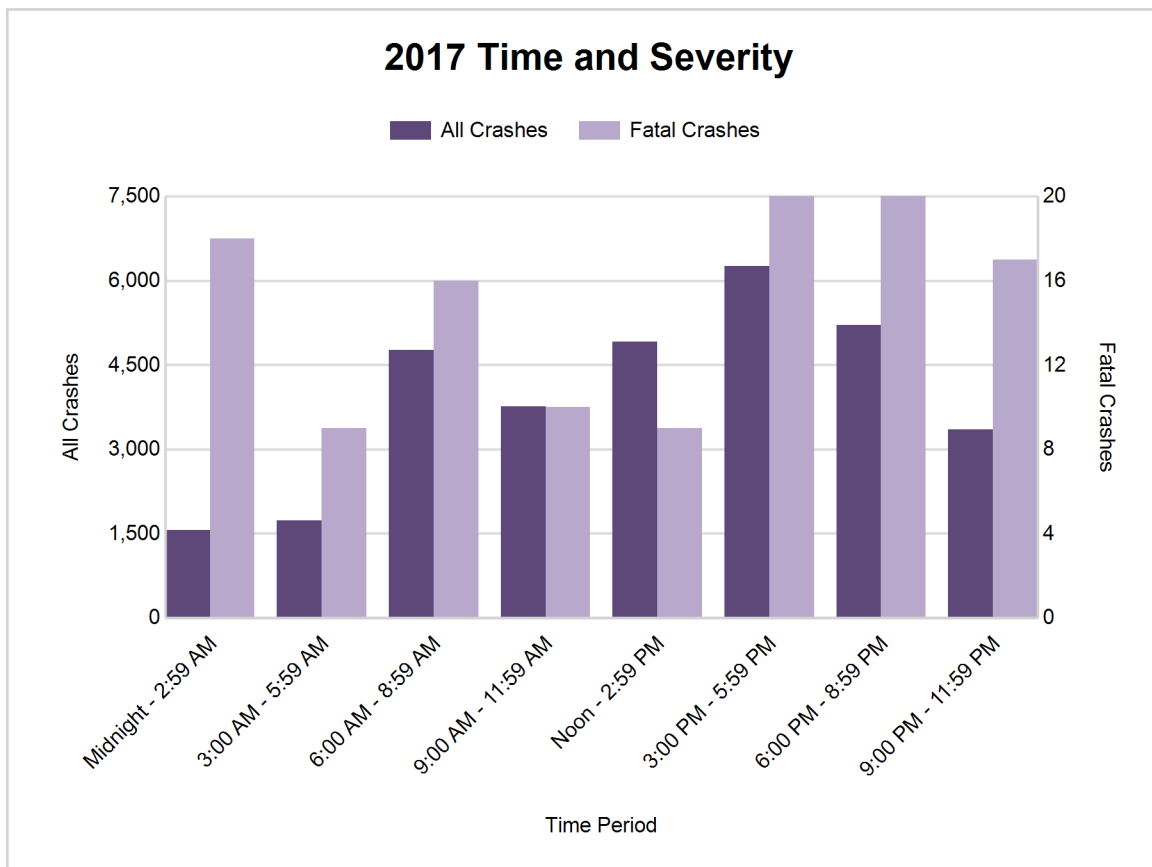
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period



Traffic Safety Network Saginaw Valley (continued)

2017 - Time and Severity

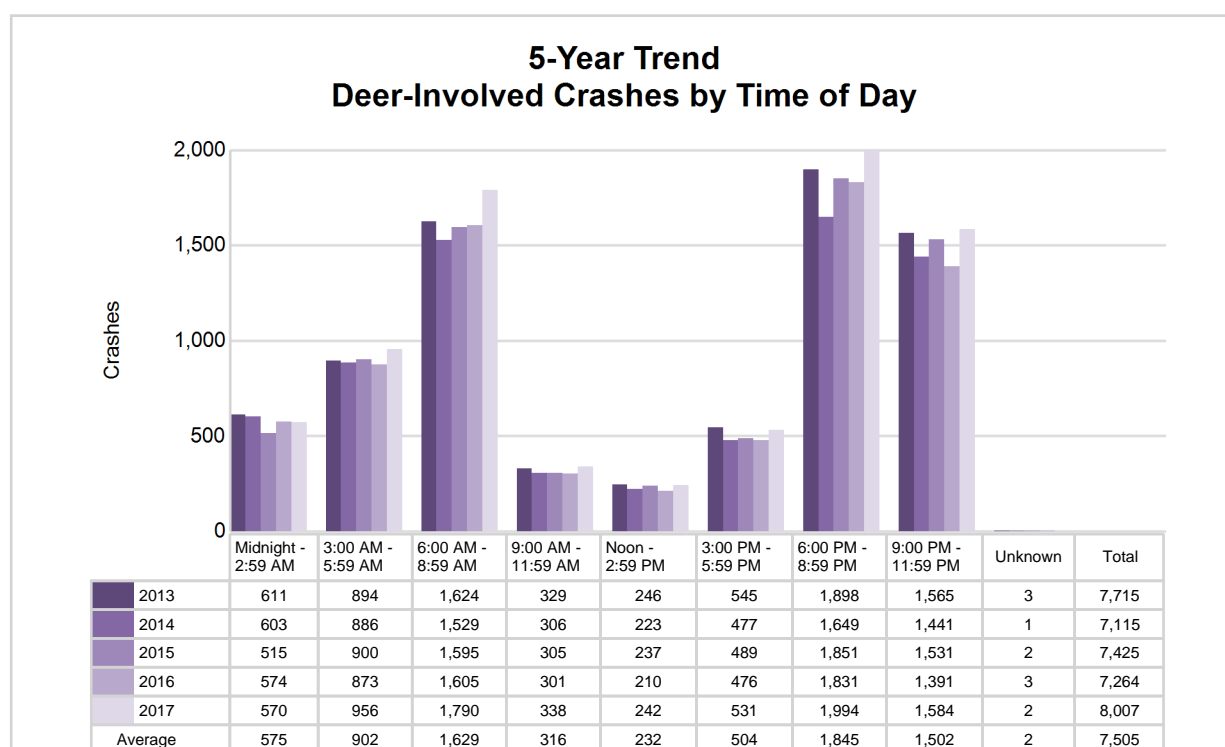
Time of Day		All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
		Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM		1,564	5.0	18	15.1	44	102	172	1,228
3:00 AM - 5:59 AM		1,726	5.5	9	7.6	24	60	107	1,526
6:00 AM - 8:59 AM		4,769	15.1	16	13.4	46	196	456	4,055
9:00 AM - 11:59 AM		3,766	11.9	10	8.4	63	194	499	3,000
Noon - 2:59 PM		4,910	15.6	9	7.6	94	299	757	3,751
3:00 PM - 5:59 PM		6,259	19.8	20	16.8	114	332	959	4,834
6:00 PM - 8:59 PM		5,208	16.5	20	16.8	80	222	522	4,364
9:00 PM - 11:59 PM		3,351	10.6	17	14.3	62	147	265	2,860
Unknown		22	0.1	0	0.0	0	0	1	21
Total		31,575	100.0	119	100.0	527	1,552	3,738	25,639



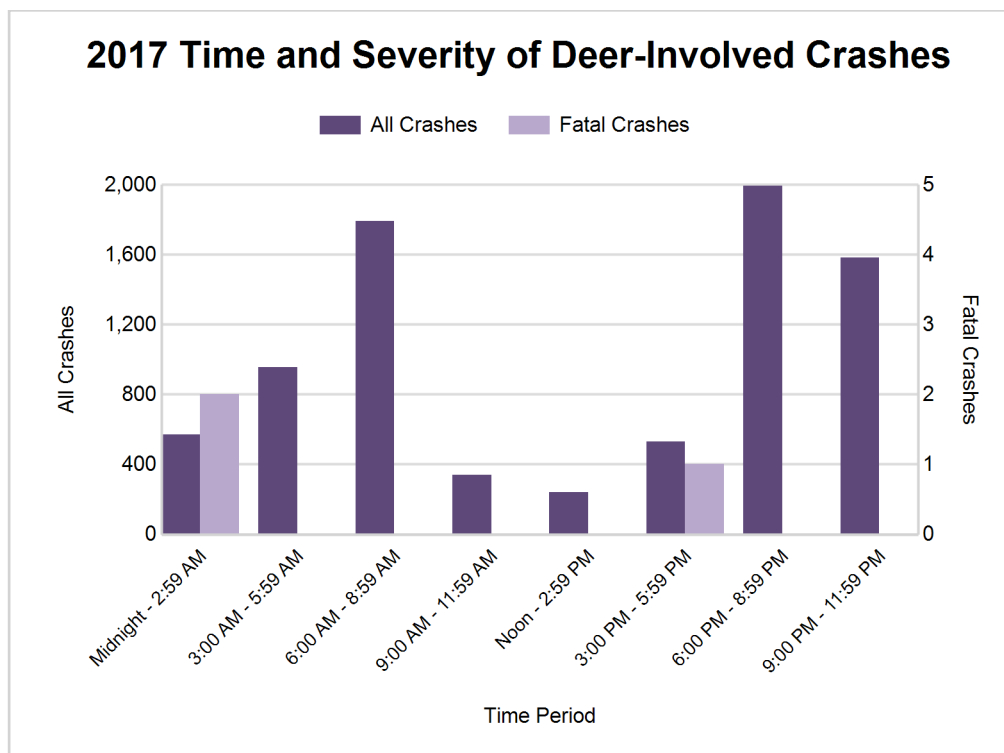
5-Year Trend - Deer-Involved Crashes by Time of Day

Time of Day	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	611	0	603	1	515	0	574	0	570	2
3:00 AM - 5:59 AM	894	0	886	0	900	0	873	0	956	0
6:00 AM - 8:59 AM	1,624	0	1,529	0	1,595	1	1,605	1	1,790	0
9:00 AM - 11:59 AM	329	0	306	0	305	0	301	0	338	0
Noon - 2:59 PM	246	0	223	0	237	0	210	0	242	0
3:00 PM - 5:59 PM	545	0	477	0	489	0	476	0	531	1
6:00 PM - 8:59 PM	1,898 †	0	1,649 †	0	1,851 †	0	1,831 †	0	1,994 †	0
9:00 PM - 11:59 PM	1,565	0	1,441	1	1,531	0	1,391	2	1,584	0
Unknown	3	0	1	0	2	0	3	0	2	0
Total	7,715	0	7,115	2	7,425	1	7,264	3	8,007	3

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



Traffic Safety Network Saginaw Valley (continued)



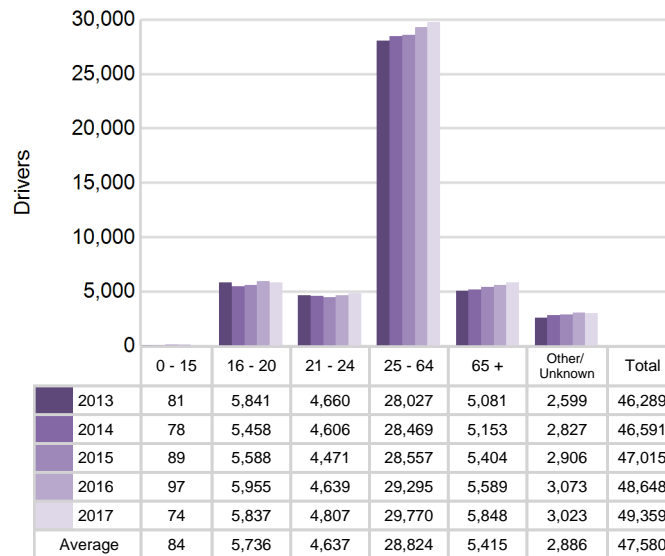
2017 - Reported Motor Vehicle Crashes by County

County	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Arenac	737	6	101	630	120	194	84	338	33	6	387	7	131
Bay	3,052	5	564	2,483	358	174	932	1,585	149	38	563	5	765
Genesee	10,762	38	2,504	8,220	1,902	457	1,568	6,825	327	95	1,049	39	3,504
Gladwin	767	3	90	674	0	0	287	477	40	4	425	3	122
Gratiot	1,585	5	166	1,414	0	395	267	922	47	13	908	5	236
Iosco	574	3	102	469	0	162	136	276	31	5	220	3	151
Lapeer	2,875	11	423	2,441	192	0	839	1,841	100	39	1,185	11	594
Midland	2,714	16	435	2,263	0	397	495	1,820	79	23	952	18	605
Ogemaw	850	5	112	733	161	0	256	430	30	8	442	5	147
Saginaw	5,545	21	1,020	4,504	551	0	1,988	2,999	204	60	999	22	1,447
Shiawassee	2,114	6	300	1,808	271	0	654	1,187	74	16	877	6	414
Total	31,575	119	5,817	25,639	3,555	1,779	7,506	18,700	1,114	307	8,007	124	8,116

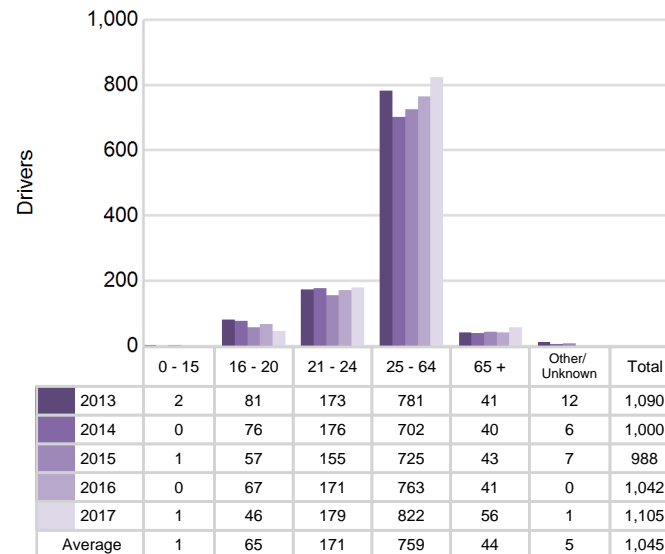
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2013		2014		2015		2016		2017	
	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	81	2	78	0	89	1	97	0	74	1
16 - 20	5,841	81	5,458	76	5,588	57	5,955	67	5,837	46
21 - 24	4,660	173	4,606	176	4,471	155	4,639	171	4,807	179
25 - 64	28,027	781	28,469	702	28,557	725	29,295	763	29,770	822
65 +	5,081	41	5,153	40	5,404	43	5,589	41	5,848	56
Unknown	2,599	12	2,827	6	2,906	7	3,073	0	3,023	1
Total	46,289	1,090	46,591	1,000	47,015	988	48,648	1,042	49,359	1,105

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



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



Traffic Safety Network Saginaw Valley (continued)

2017 - 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	3	2	1	1	0	0	0	1	0
16 - 20	85	65	38	46	0	2	16	9	19
21 - 24	221	179	149	179	2	9	47	36	85
25 - 64	1,051	786	654	822	7	41	164	201	409
65 +	99	71	46	56	0	10	11	10	25
Unknown	59	0	0	1	0	0	0	0	1
Total	1,518	1,103	888	1,105	9	62	238	257	539

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 2017, there were 1,518 drivers in alcohol-involved crashes; 1,105 (72.8%) of those drivers were coded as had-been-drinking by the officer on the crash form.

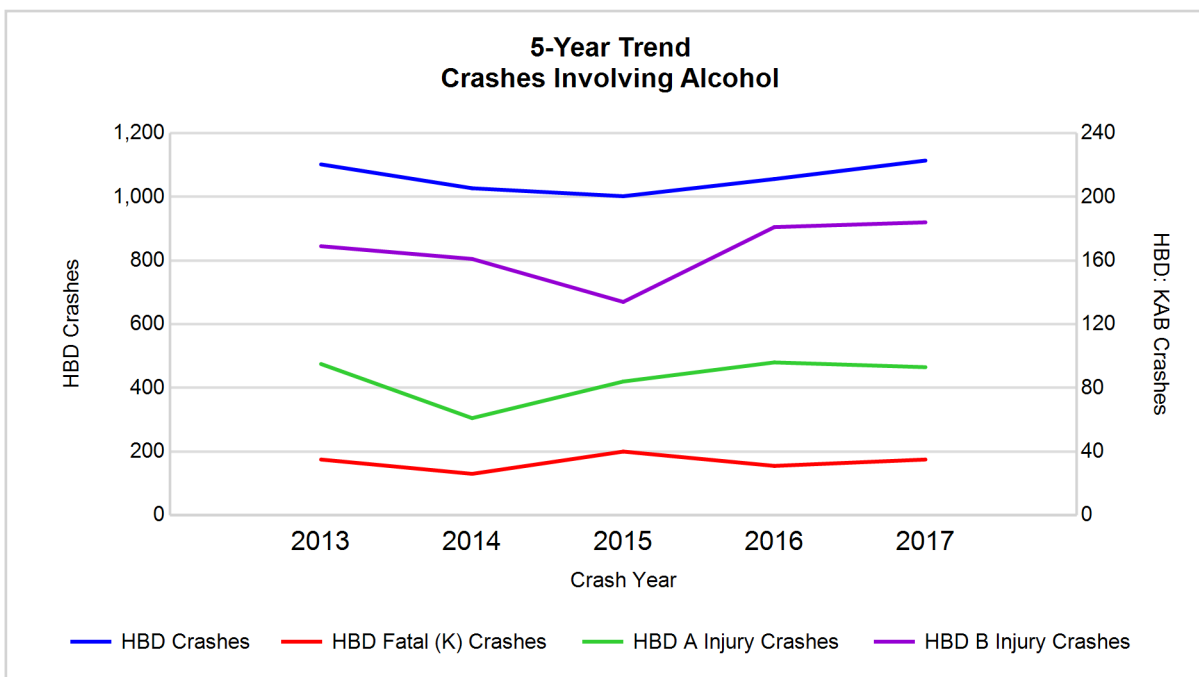
- 495 (44.8%) of the 1,105 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 257 (51.9%) of the 495 drivers had a BAC at or above 0.17 g/dL.
- 888 (80.4%) of the 1,105 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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
2013	30,210	1,102	3.6	95	35	36.8	475	95	20.0	1,298	169	13.0
2014	29,781	1,027	3.4	80	26	32.5	381	61	16.0	1,185	161	13.6
2015	29,980	1,002	3.3	109	40	36.7	407	84	20.6	1,336	134	10.0
2016	30,965	1,056	3.4	105	31	29.5	526	96	18.3	1,533	181	11.8
2017	31,575**	1,114**	3.5	119**	35	29.4*	527**	93	17.6	1,552**	184**	11.9

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



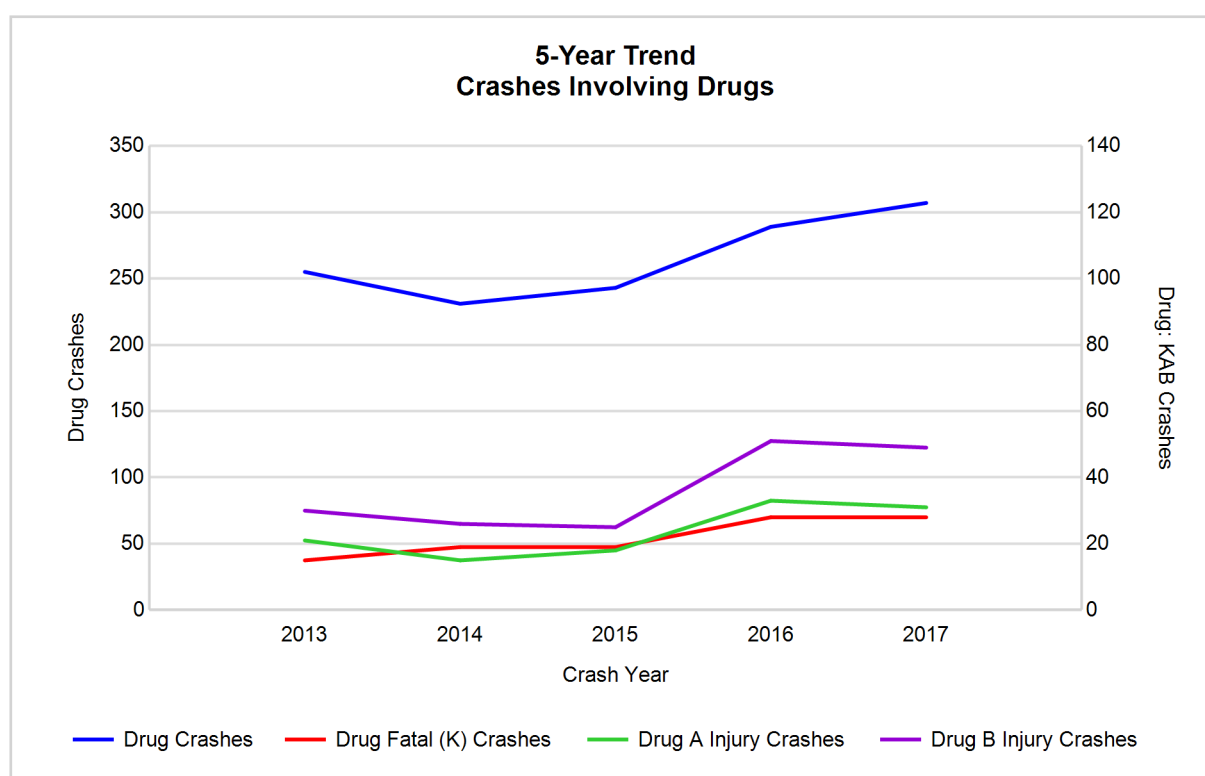
Note: Had-Been-Drinking (HBD)

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
2013	30,210	255	0.8	95	15	15.8	475	21	4.4	1,298	30	2.3
2014	29,781	231	0.8	80	19	23.8	381	15	3.9	1,185	26	2.2
2015	29,980	243	0.8	109	19	17.4	407	18	4.4	1,336	25	1.9
2016	30,965	289	0.9	105	28	26.7	526	33	6.3	1,533	51	3.3
2017	31,575**	307**	1.0**	119**	28	23.5	527**	31	5.9	1,552**	49	3.2

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



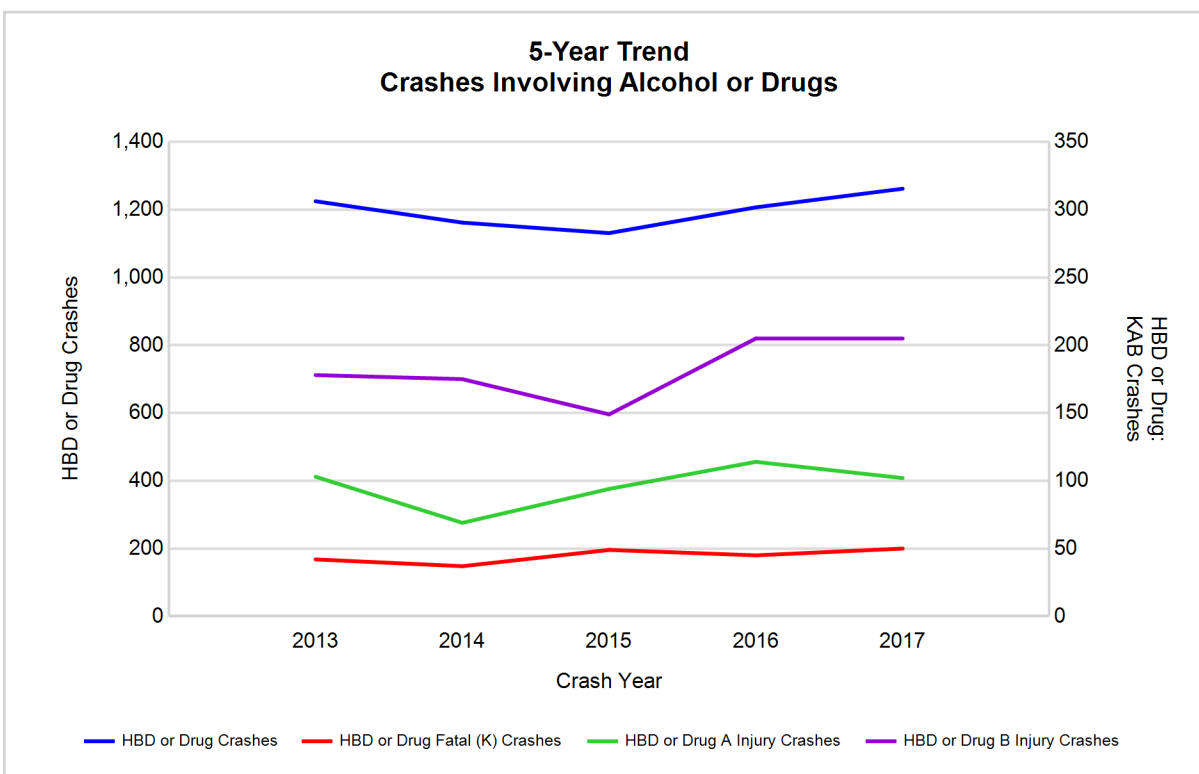
Traffic Safety Network Saginaw Valley (continued)

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
2013	30,210	1,225	4.1	95	42	44.2	475	103	21.7	1,298	178	13.7
2014	29,781	1,162	3.9	80	37	46.3	381	69	18.1	1,185	175	14.8
2015	29,980	1,131	3.8	109	49	45.0	407	94	23.1	1,336	149	11.2
2016	30,965	1,207	3.9	105	45	42.9	526	114	21.7	1,533	205	13.4
2017	31,575**	1,262**	4.0	119**	50**	42.0*	527**	102	19.4	1,552**	205	13.2

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)

Traffic Safety Network Saginaw Valley (continued)

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2017 - 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	40,866	37,599	92.0	73	37	50.7	388	298	76.8	1,444	1,292	89.5	4,689	4,446	94.8	32,214	31,473	97.7
Motor home	109	103	94.5	0	0	0.0	1	1	100.0	6	6	100.0	11	11	100.0	87	85	97.7
Pickup truck	7,830	7,215	92.1	10	4	40.0	89	61	68.5	238	207	87.0	535	511	95.5	6,577	6,418	97.6
Small truck under 10,000 lbs. GVWR	313	279	89.1	1	0	0.0	3	2	66.7	7	7	100.0	19	16	84.2	264	254	96.2
Motorcycle	329	207	62.9	16	7	43.8	84	52	61.9	100	63	63.0	54	36	66.7	68	49	72.1
Moped / goped	27	11	40.7	1	0	0.0	6	4	66.7	9	3	33.3	7	2	28.6	3	2	66.7
Go-cart / golf cart	6	3	50.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	3	50.0
Snowmobile	6	2	33.3	1	0	0.0	1	0	0.0	2	2	100.0	1	0	0.0	1	0	0.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	42	20	47.6	0	0	0.0	15	5	33.3	15	6	40.0	7	4	57.1	5	5	100.0
Other	247	180	72.9	0	0	0.0	4	0	0.0	8	2	25.0	11	8	72.7	200	170	85.0
Truck/bus over 10,000 lbs.	996	912	91.6	0	0	0.0	10	9	90.0	22	15	68.2	52	34	65.4	876	852	97.3
Unknown	660	3	0.5	1	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	3	2	66.7
Total	51,431	46,534	90.5	103	48	46.6	602	432	71.8	1,851	1,603	86.6	5,386	5,068	94.1	40,304	39,313	97.5

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.

2017 - 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	628	567	90.3	2	1	50.0	23	18	78.3	126	111	88.1	419	385	91.9	56	51	91.1
16 - 20	6,167	5,948	96.4	8	3	37.5	69	49	71.0	283	235	83.0	687	646	94.0	5,102	5,007	98.1
21 - 24	4,983	4,732	95.0	14	5	35.7	71	46	64.8	208	172	82.7	550	500	90.9	4,124	4,005	97.1
25 - 64	30,558	29,353	96.1	52	23	44.2	348	241	69.3	997	866	86.9	3,048	2,871	94.2	25,993	25,302	97.3
65 +	6,071	5,926	97.6	27	16	59.3	91	78	85.7	237	219	92.4	681	665	97.7	5,019	4,941	98.4
Unknown	3,024	8	0.3	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	10	7	70.0
Total	51,431	46,534	90.5	103	48	46.6	602	432	71.8	1,851	1,603	86.6	5,386	5,068	94.1	40,304	39,313	97.5

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.

Traffic Safety Network Saginaw Valley (continued)

5-Year Trend - Restraint Use Among Drivers

Restraint Use	2013			2014			2015			2016			2017		
	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	314	0	65	414	2	52	294	3	52	153	1	25	106	0	24
Shoulder belt only used	113	1	10	80	0	7	42	0	5	123	0	21	246	0	35
Lap belt only used	148	0	15	225	1	20	297	0	32	218	1	24	165	0	17
Both lap & shoulder belts used	41,550	21	4,563	41,450	25	4,331	41,834	27	4,617	43,336	30	5,155	44,095	35	5,108
No belts used	317	18	156	357	18	135	410	23	176	399	11	176	403	24	175
Child restraint used	2	0	0	0	0	0	1	0	0	10	0	0	5	0	0
Child restraint not used, unavailable or improper use	1	0	0	2	0	0	1	0	0	0	0	0	0	0	0
Restraint failure	10	0	4	20	0	5	23	0	1	20	0	2	20	0	5
Restraint use unknown	1,864	6	162	1,718	2	143	1,588	5	139	2,988	8	138	3,853	7	170
Helmet worn	262	9	177	231	3	164	234	6	165	276	6	212	215	7	156
Helmet not worn	138	8	108	137	6	103	150	13	107	174	11	126	118	10	92
Helmet use unknown	16	0	7	18	3	8	33	2	12	36	0	22	10	0	5
Uncoded & errors	1,554	0	7	1,939	0	3	2,108	0	4	915	0	0	123	0	0
Total	46,289	63	5,274	46,591	60	4,971	47,015	79	5,310	48,648	68	5,901	49,359	83	5,787

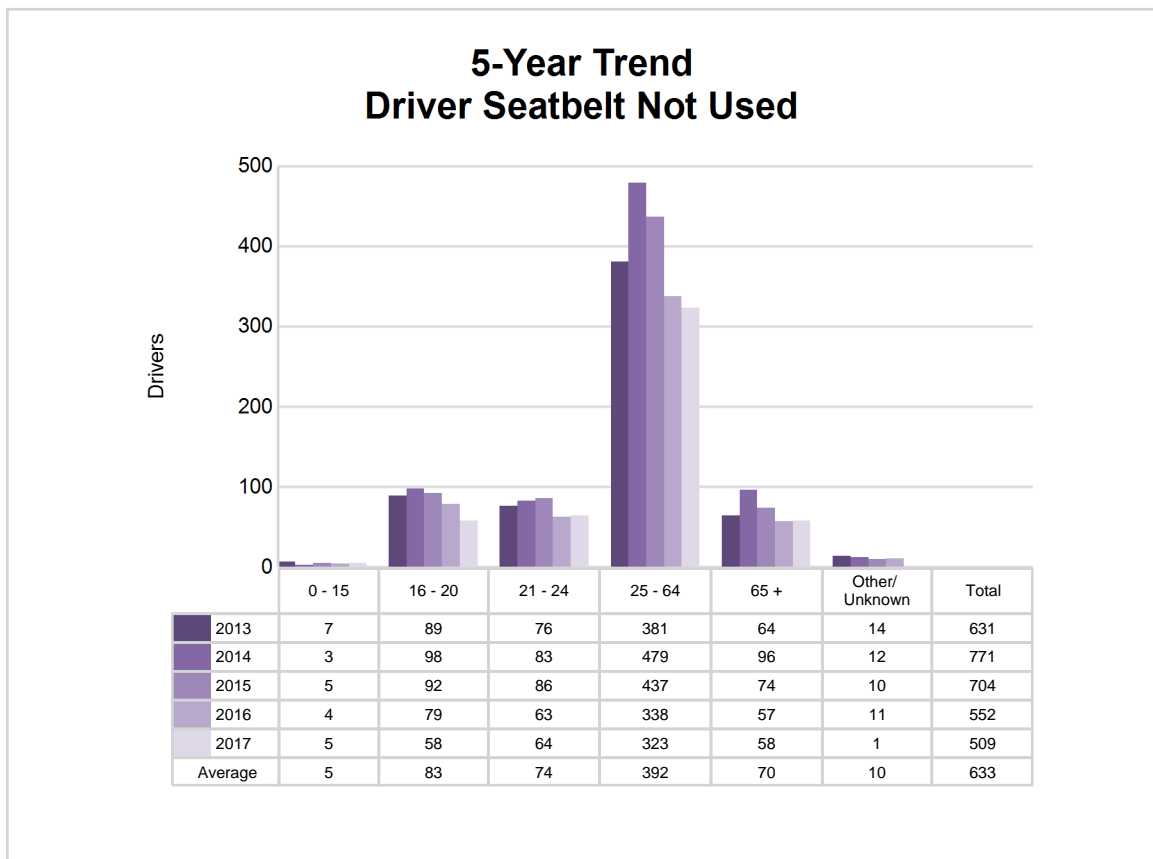
5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2013			2014			2015			2016			2017		
	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	17	0	10	12	0	5	9	1	7	3	0	2	4	0	2
Shoulder belt only used	8	0	1	0	0	0	0	0	0	4	0	1	7	0	3
Lap belt only used	2	0	0	5	0	3	7	0	3	4	0	1	5	0	2
Both lap & shoulder belts used	775	1	219	705	3	184	712	6	178	768	4	236	767	4	232
No belts used	69	11	41	70	7	40	78	9	53	84	6	55	88	10	56
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	1	0	1	1	0	0	1	0	0	0	0	0
Restraint use unknown	165	2	43	174	1	51	134	3	38	137	4	34	194	3	52
Helmet worn	19	3	16	8	0	4	13	2	10	11	1	9	11	0	10
Helmet not worn	29	4	22	21	3	15	27	7	19	29	2	22	28	6	20
Helmet use unknown	2	0	2	1	0	1	3	0	3	1	0	1	0	0	0
Uncoded & errors	4	0	0	3	0	0	4	0	1	0	0	0	1	0	0
Total	1,090	21	354	1,000	14	304	988	28	312	1,042	17	361	1,105	23	377

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

Age Group	2013			2014			2015			2016			2017		
	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	7	0	2	3	1	1	5	1	4	4	0	1	5	0	2
16 - 20	89	1	37	98	3	26	92	3	30	79	1	34	58	0	29
21 - 24	76	1	28	83	1	25	86	2	34	63	1	28	64	4	36
25 - 64	381	13	133	479	10	116	437	15	138	338	8	117	323	14	115
65 +	64	3	19	96	5	19	74	5	19	57	2	21	58	6	17
Unknown	14	0	2	12	0	0	10	0	3	11	0	0	1	0	0
Total	631	18	221	771	20	187	704	26	228	552	12	201	509	24	199

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



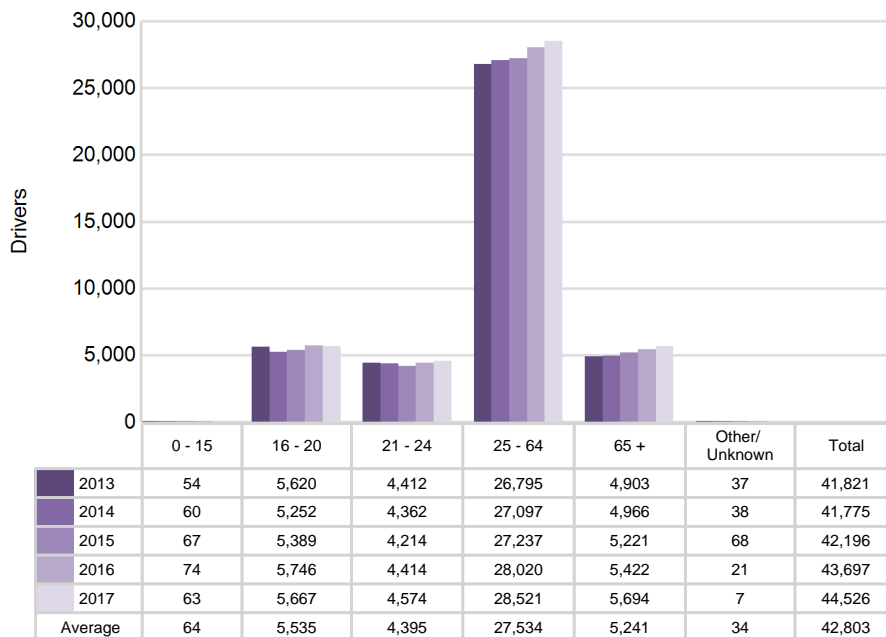
Traffic Safety Network Saginaw Valley (continued)

5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2013			2014			2015			2016			2017		
	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	54	0	8	60	0	7	67	0	7	74	0	6	63	0	11
16 - 20	5,620	0	647	5,252	1	564	5,389	2	634	5,746	2	694	5,667	2	655
21 - 24	4,412	1	502	4,362	2	481	4,214	0	482	4,414	3	512	4,574	4	568
25 - 64	26,795	13	2,855	27,097	15	2,725	27,237	17	2,872	28,020	21	3,243	28,521	16	3,196
65 +	4,903	8	578	4,966	8	586	5,221	8	659	5,422	5	747	5,694	13	735
Unknown	37	0	2	38	0	0	68	0	1	21	0	0	7	0	0
Total	41,821	22	4,592	41,775	26	4,363	42,196	27	4,655	43,697	31	5,202	44,526	35	5,165

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

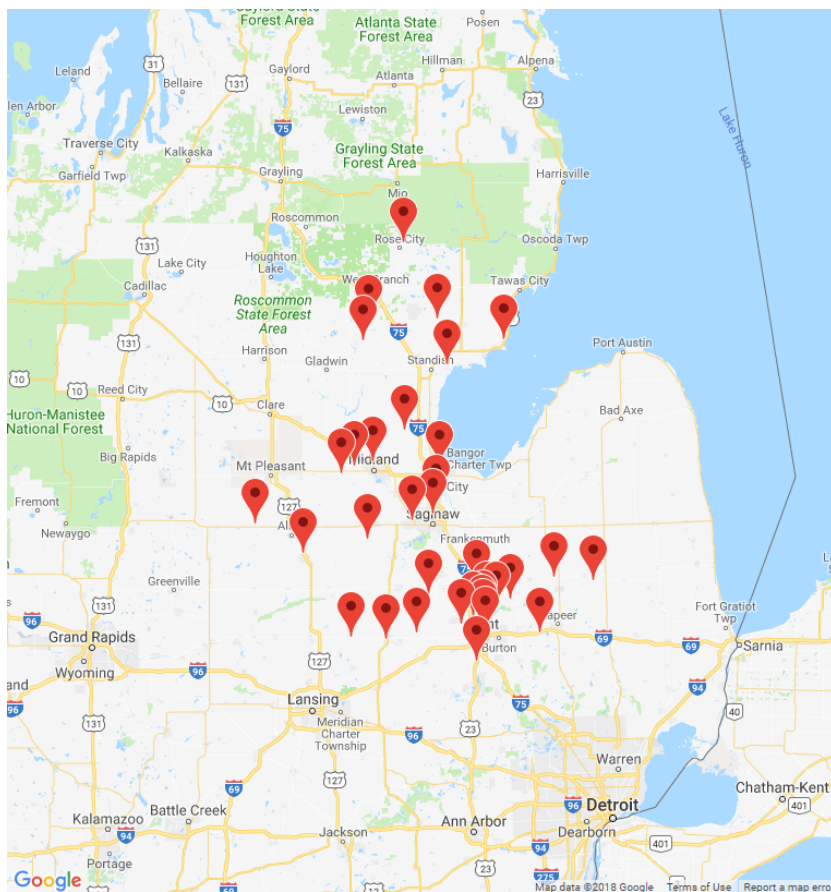
5-Year Trend Driver Seatbelt Used



5-Year Trend - Drivers in Crashes by Hazardous Action

Hazardous Action	2013		2014		2015		2016		2017	
	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	24,713	51	24,949	58	25,571	71	25,909	66	26,490	78
Speed too fast	4,368	19	4,077	18	3,501	27	3,777	17	3,577	16
Speed too slow	46	0	51	0	53	1	44	0	43	0
Failed to yield	4,043	14	3,982	5	4,169	14	4,379	10	4,551	17
Disregard traffic control	1,191	5	1,174	6	1,287	8	1,219	5	1,116	11
Drove wrong way	27	1	46	2	47	1	43	3	32	1
Drove left of center	229	6	234	7	243	5	306	8	265	7
Improper passing	202	0	227	0	187	0	235	1	266	1
Improper lane use	726	1	747	0	795	0	827	2	904	1
Improper turn	454	0	447	1	552	0	512	1	554	1
Improper/no signal	84	0	98	0	73	0	59	0	50	0
Improper backing	732	0	778	0	786	0	802	1	653	0
Unable to stop in assured clear distance	4,856	5	5,210	5	5,251	6	5,475	2	5,373	3
Other	1,660	9	1,739	15	1,625	12	1,755	10	1,675	10
Unknown	1,122	15	989	11	971	14	1,443	16	1,884	15
Reckless driving	330	6	311	6	293	2	252	3	260	9
Careless/negligent driving	1,364	6	1,410	2	1,496	10	1,441	11	1,511	10
Uncoded & errors	142	1	122	0	115	0	170	0	155	2
Total	46,289	139	46,591	136	47,015	171	48,648	156	49,359	182

Traffic Safety Network Saginaw Valley (continued)



The picture above represents all 2017 alcohol-involved fatal crashes in TSN Saginaw Valley.

In 2017, there were 1,114 alcohol-involved crashes in TSN Saginaw Valley:

35	K - Fatal Crashes
93	A - Suspected Serious Injury Crashes
184	B - Suspected Minor Injury Crashes
200	C - Possible Injury Crashes
602	O - Property Damage Only/No Injury Crashes

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