



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

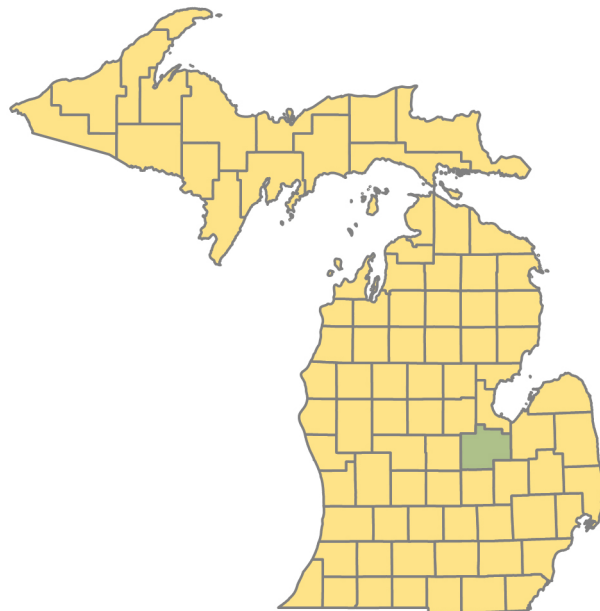
O = No Injury

Property Damage Only (PDO)



Saginaw County

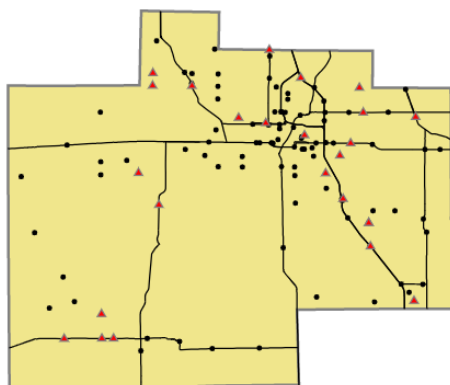
2018 Traffic Crash Data & 2014-2018 5-Year Trends



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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Crashes by most severe injury (mapped/actual)

- ▲ K - Fatal (25/25)
- A - Suspected Serious (90/90)

Saginaw County

In 2018:

There were 8,818 drivers involved in 5,374 motor vehicle crashes in Saginaw County. Of those crashes, 25 were classified as fatal, resulting in 26 fatalities. An additional 1,396 persons were injured.

Saginaw County experienced the highest number of motor vehicle crashes (586) in November, the highest number of fatal crashes (4) in September and November, and the highest number of persons killed (4) in September, October, and November.

Michigan driver statistics indicate 6.4 percent of licensed drivers in Saginaw County were age 16-20, and 10.8 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	557	2	89	466	2	115
February	458	2	70	386	2	110
March	445	0	82	363	0	100
April	425	2	68	355	2	101
May	391	2	92	297	2	127
June	446	0	97	349	0	124
July	347	3	66	278	3	110
August	379	3	86	290	3	130
September	373	4	85	284	4	117
October	530	3	88	439	4	128
November	586	4	85	497	4	118
December	437	0	81	356	0	116
Total	5,374	25	989	4,360	26	1,396

2018 - Driver Statistics

Age Group	Saginaw County			Driver Rates	
	2018 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	35,793	978	17	4.7	173.8
16 - 20	12,949	8,597	948	732.1	1,102.7
21 - 24	9,957	8,486	850	853.7	1,001.6
25 - 64	95,318	84,751	5,453	572.1	643.4
65 +	36,783	32,141	1,073	291.7	333.8
Unknown	0	0	477	- -	- -
Total	190,800	134,953	8,818	462.2	653.4

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	7,077	80.3	32	74.4	1,430	5,615
Motor home	31	0.4	0	0.0	11	20
Pickup truck	1,262	14.3	5	11.6	240	1,017
Small truck under 10,000 lbs. GVWR	42	0.5	0	0.0	8	34
Motorcycle	46	0.5	0	0.0	36	10
Moped / goped	6	0.1	0	0.0	5	1
Go-cart / golf cart	1	0.0	0	0.0	0	1
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	5	0.1	0	0.0	3	2
Other	62	0.7	0	0.0	10	52
Truck/bus over 10,000 lbs.	150	1.7	6	14.0	27	117
Unknown	136	1.5	0	0.0	16	120
Total	8,818	100.0	43	100.0	1,786	6,989

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	607	1	613	1	518	1	481	1	557	2
February	509	0	405	1	542	2	305	0	458	2
March	376	0	380	2	473	0	472	3	445	0
April	321	0	355	1	379	1	421	1	425	2
May	366	0	381	3	388	1	421	0	391	2
June	399	3	382	3	456	1	386	1	446	0
July	339	0	378	2	420	0	422	4	347	3
August	338	3	361	1	418	2	387	1	379	3
September	427	0	390	0	453	1	403	2	373	4
October	554	0	548	0	494	0	532	3	530	3
November	612	0	616	4	539	2	553	2	586	4
December	440	1	507	2	649	1	762	3	437	0
Total	5,288	8	5,316	20	5,729	12	5,545	21	5,374	25

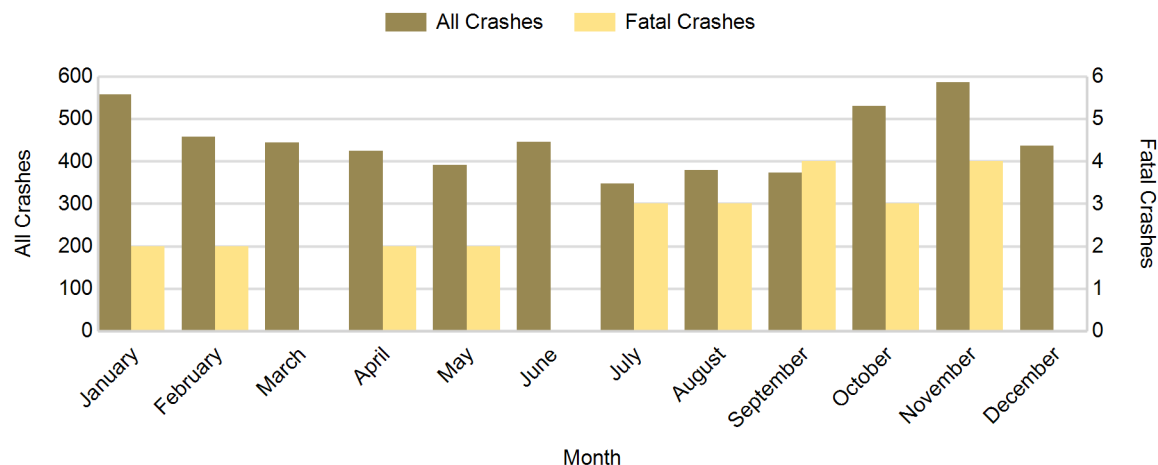
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

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	719	0	723	1	875	1	792	1	824	3
Tuesday	828	2	866	6	869	2	877	5	788	2
Wednesday	848	1	827	1	900	1	822	1	789	4
Thursday	776	0	791	3	790	1	882	2	757	3
Friday	873	1	792	4	915	5	832	4	921	3
Saturday	675	4	717	3	732	0	757	5	695	4
Sunday	569	0	600	2	648	2	583	3	600	6
Total	5,288	8	5,316	20	5,729	12	5,545	21	5,374	25

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

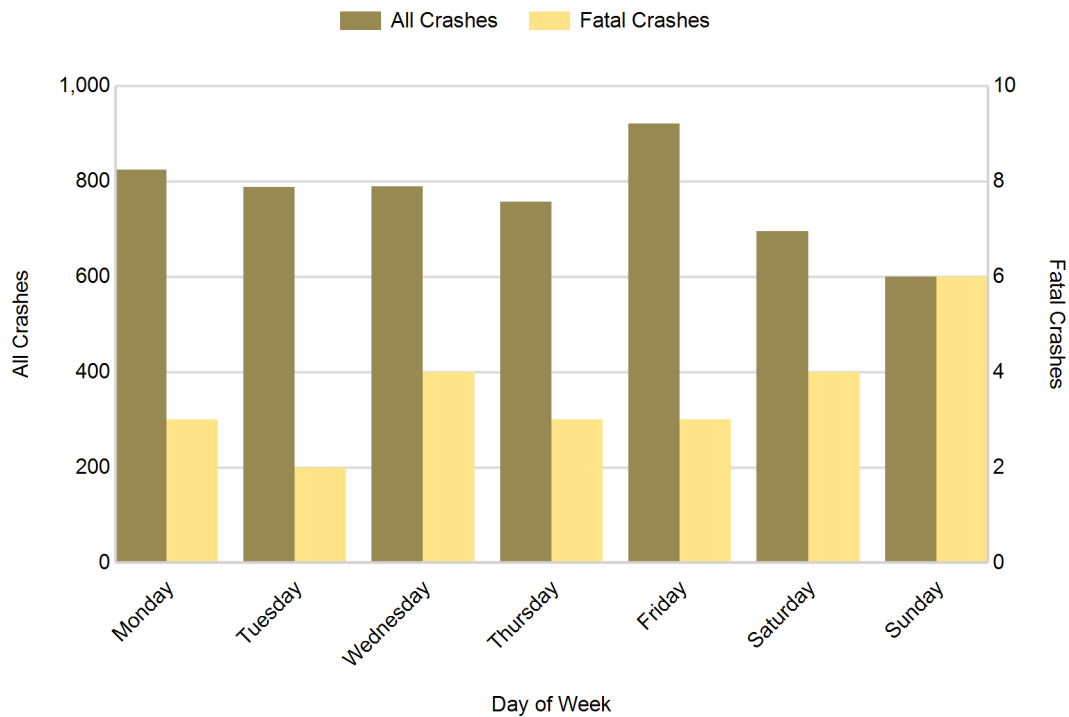
2018 Crashes by Month



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	824	15.3	3	12.0	18	25	105	673
Tuesday	788	14.7	2	8.0	14	31	97	644
Wednesday	789	14.7	4	16.0	12	35	93	645
Thursday	757	14.1	3	12.0	8	29	105	612
Friday	921	17.1	3	12.0	12	37	119	750
Saturday	695	12.9	4	16.0	12	40	96	543
Sunday	600	11.2	6	24.0	14	23	64	493
Total	5,374	100.0	25	100.0	90	220	679	4,360

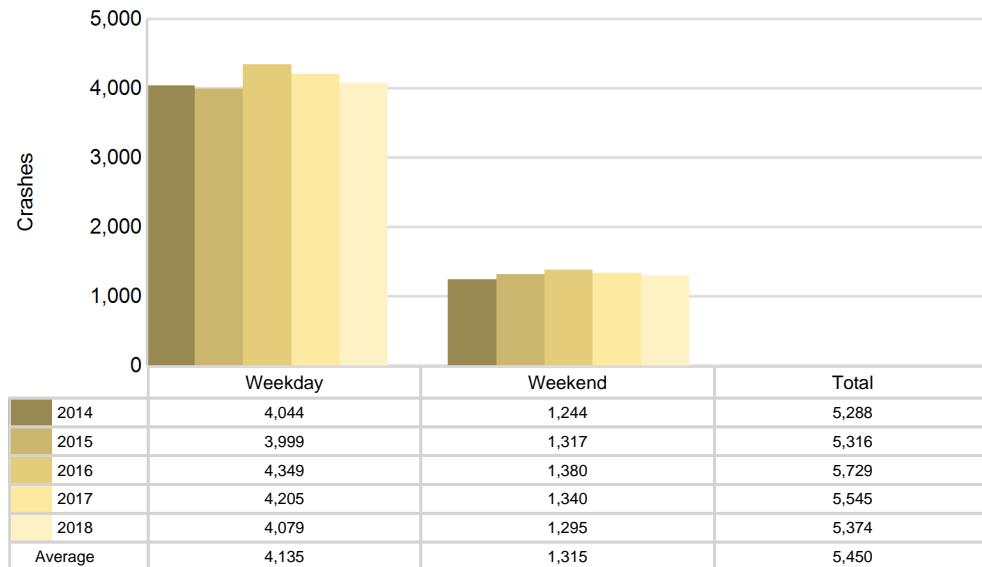
2018 Day of Week and Severity



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	4,044	4	3,999	15	4,349	10	4,205	13	4,079	15
Weekend	1,244	4	1,317	5	1,380	2	1,340	8	1,295	10
Total	5,288	8	5,316	20	5,729	12	5,545	21	5,374	25

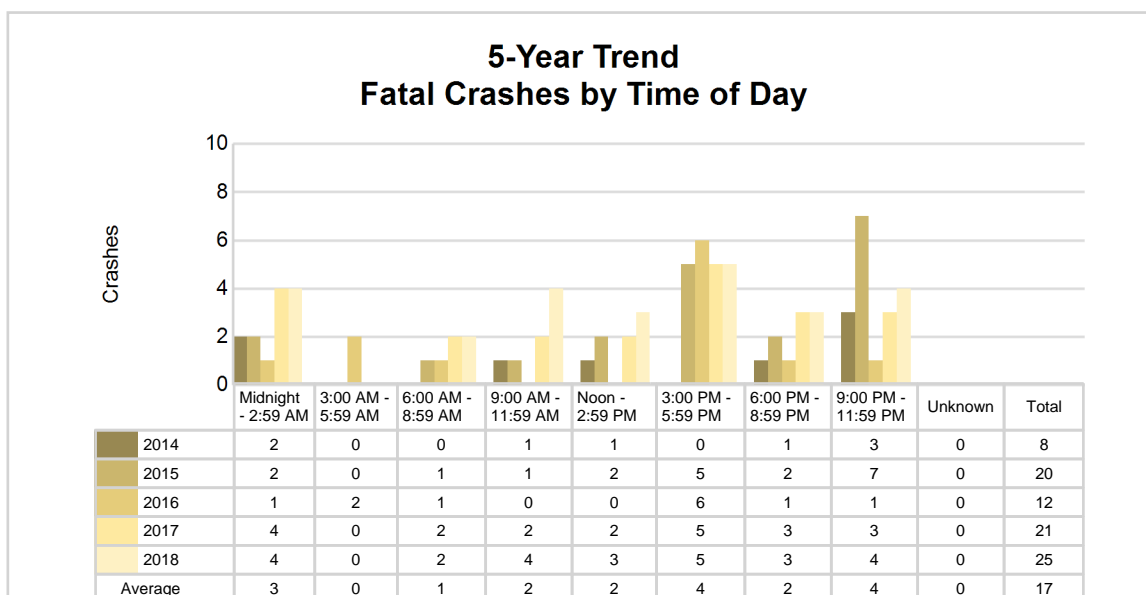
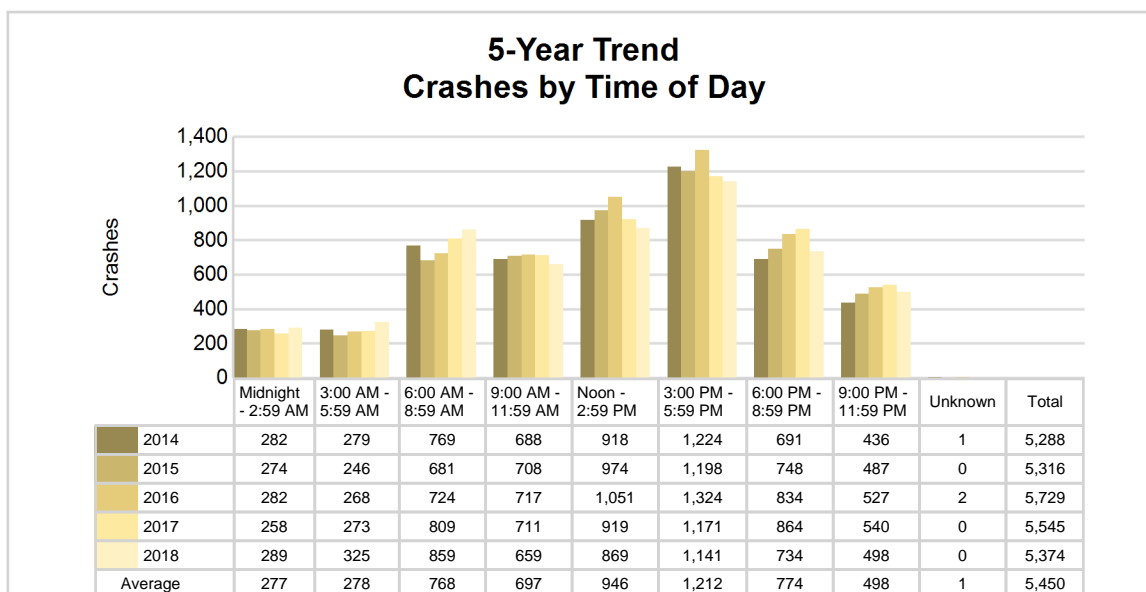
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

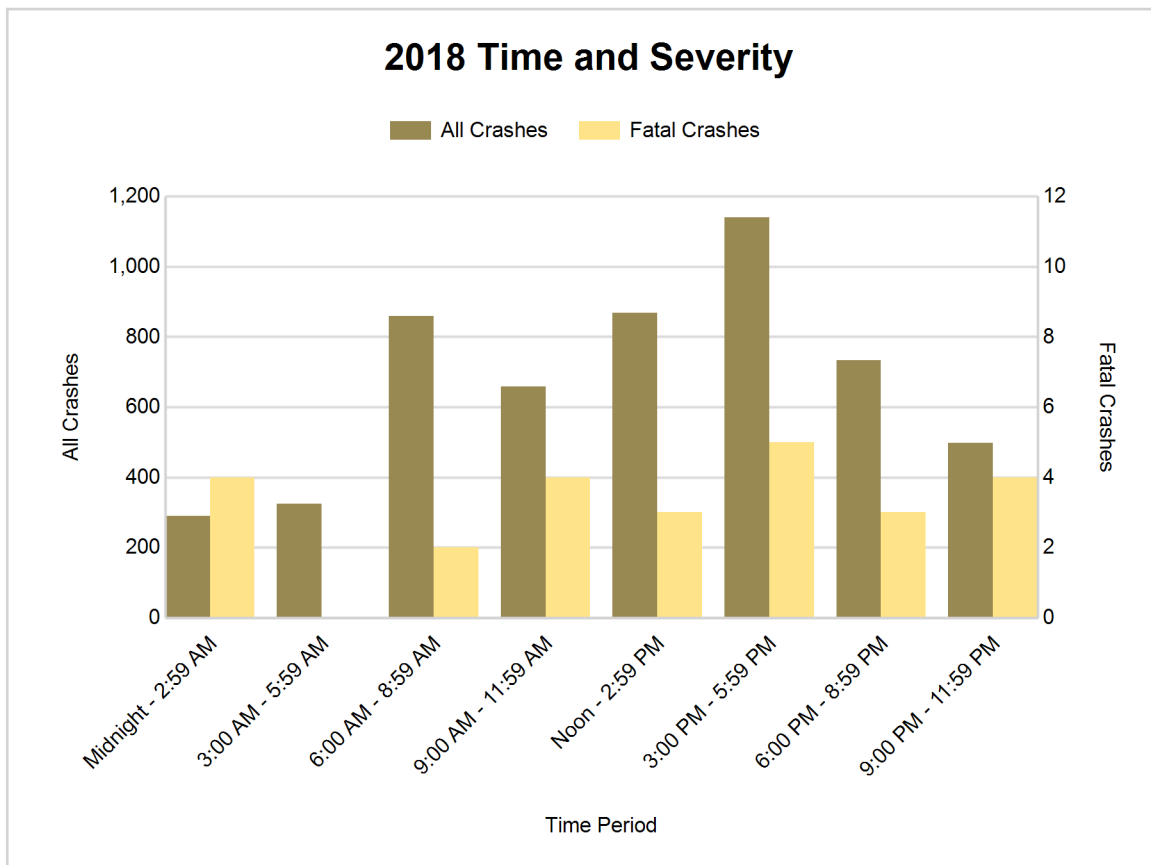
Time of Day	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	282	2	274	2	282	1	258	4	289	4
3:00 AM - 5:59 AM	279	0	246	0	268	2	273	0	325	0
6:00 AM - 8:59 AM	769	0	681	1	724	1	809	2	859	2
9:00 AM - 11:59 AM	688	1	708	1	717	0	711	2	659	4
Noon - 2:59 PM	918	1	974	2	1,051	0	919	2	869	3
3:00 PM - 5:59 PM	1,224 †	0	1,198 †	5	1,324 †	6	1,171 †	5	1,141 †	5
6:00 PM - 8:59 PM	691	1	748	2	834	1	864	3	734	3
9:00 PM - 11:59 PM	436	3	487	7	527	1	540	3	498	4
Unknown	1	0	0	0	2	0	0	0	0	0
Total	5,288	8	5,316	20	5,729	12	5,545	21	5,374	25

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

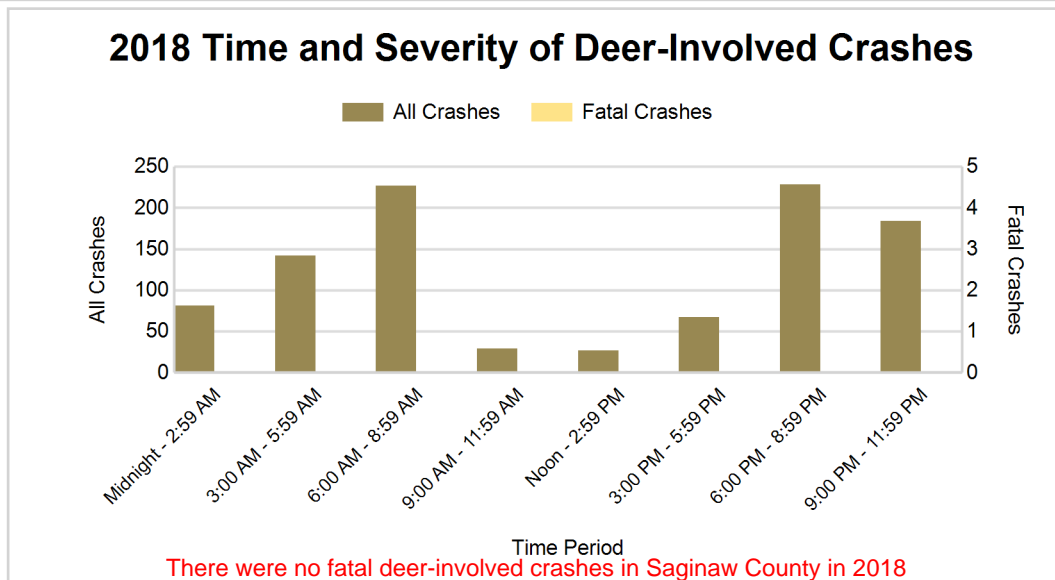
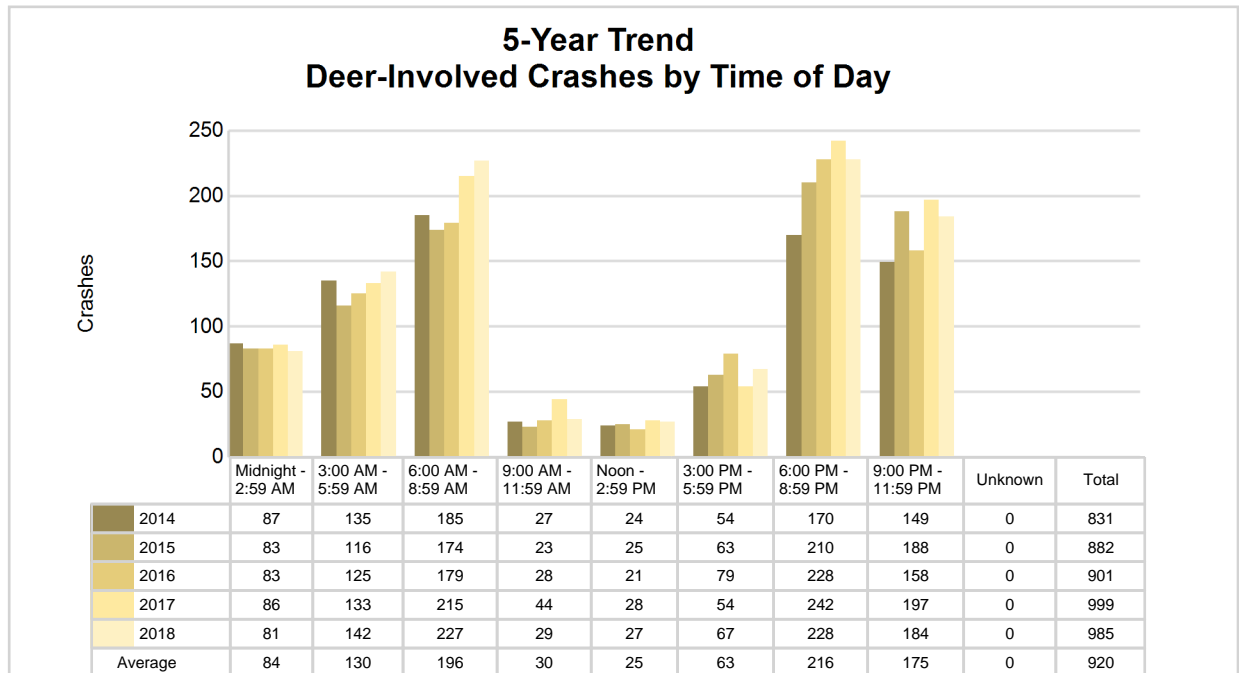
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	289	5.4	4	16.0	11	18	34	222
3:00 AM - 5:59 AM	325	6.0	0	0.0	5	7	24	289
6:00 AM - 8:59 AM	859	16.0	2	8.0	9	23	106	719
9:00 AM - 11:59 AM	659	12.3	4	16.0	10	28	92	525
Noon - 2:59 PM	869	16.2	3	12.0	14	32	134	686
3:00 PM - 5:59 PM	1,141	21.2	5	20.0	18	54	150	914
6:00 PM - 8:59 PM	734	13.7	3	12.0	9	32	80	610
9:00 PM - 11:59 PM	498	9.3	4	16.0	14	26	59	395
Unknown	0	0.0	0	0.0	0	0	0	0
Total	5,374	100.0	25	100.0	90	220	679	4,360



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

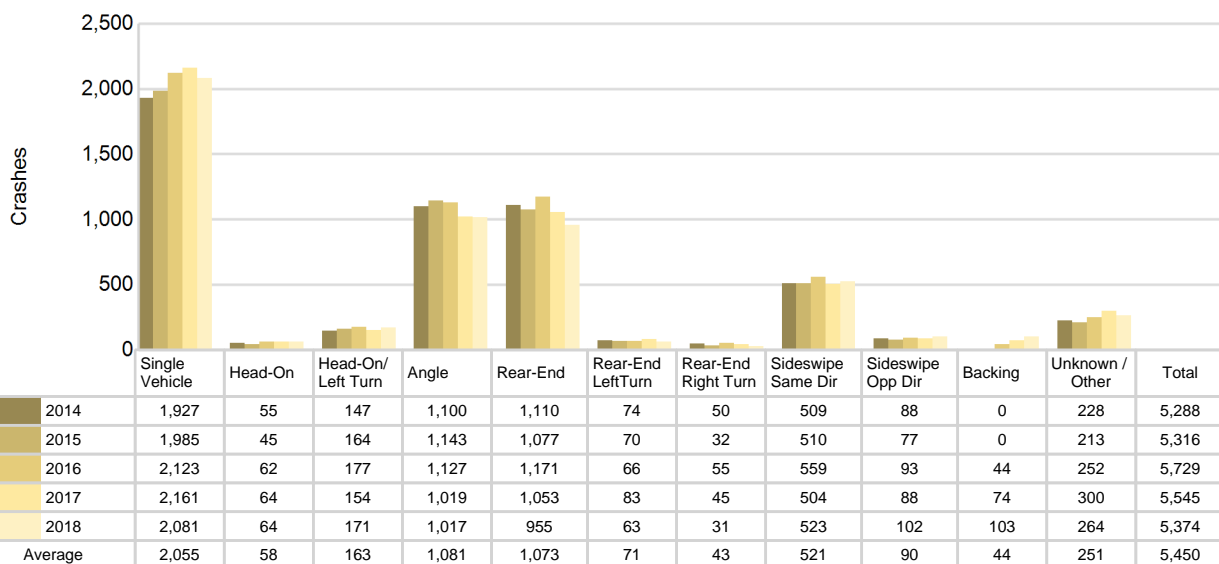
Time of Day	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	87	1	83	0	83	0	86	1	81	0
3:00 AM - 5:59 AM	135	0	116	0	125	0	133	0	142	0
6:00 AM - 8:59 AM	185	0	174	0	179	0	215	0	227	0
9:00 AM - 11:59 AM	27	0	23	0	28	0	44	0	29	0
Noon - 2:59 PM	24	0	25	0	21	0	28	0	27	0
3:00 PM - 5:59 PM	54	0	63	0	79	0	54	0	67	0
6:00 PM - 8:59 PM	170	0	210	0	228	0	242	0	228	0
9:00 PM - 11:59 PM	149	0	188	0	158	0	197	0	184	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	831	1	882	0	901	0	999	1	985	0

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



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	1,927	5	1,985	14	2,123	5	2,161	8	2,081	9
Head-on	55	2	45	0	62	6	64	2	64	5
Head-on / left turn	147	1	164	0	177	0	154	1	171	0
Angle	1,100	0	1,143	4	1,127	1	1,019	8	1,017	9
Rear-end	1,110	0	1,077	0	1,171	0	1,053	0	955	1
Rear-end left turn	74	0	70	0	66	0	83	1	63	0
Rear-end right turn	50	0	32	0	55	0	45	0	31	0
Sideswipe same direction	509	0	510	0	559	0	504	0	523	0
Sideswipe opposite direction	88	0	77	1	93	0	88	0	102	0
Backing	0	0	0	0	44	0	74	0	103	0
Other / Unknown	228	0	213	1	252	0	300	1	264	1
Uncoded and Errors	0	0	0	0	0	0	0	0	0	0
Total	5,288	8	5,316	20	5,729	12	5,545	21	5,374	25

5-Year Trend
Crashes by Crash Type

Saginaw County (continued)

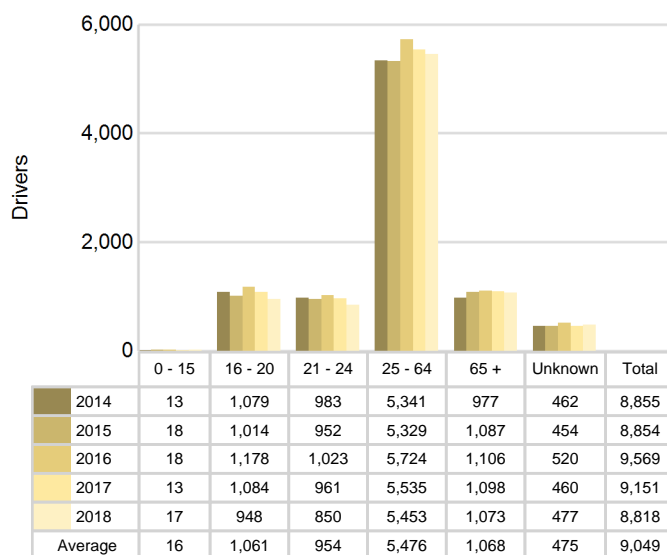
2018 - Reported Motor Vehicle Crashes by Municipality

Municipality	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Albee Twp.	40	0	9	31	0	0	18	22	6	3	11	0	13
Birch Run	87	0	17	70	18	0	31	38	1	0	6	0	28
Birch Run Twp.	220	1	53	166	67	0	71	82	4	2	39	1	71
Blumfield Twp.	64	1	11	52	0	0	58	6	3	0	15	1	17
Brady Twp.	45	3	3	39	0	0	25	20	5	2	28	4	6
Brant Twp.	65	1	7	57	0	0	0	65	3	1	44	1	10
Bridgeport Twp.	297	4	54	239	136	0	0	160	14	4	40	4	79
Buena Vista Twp.	324	4	64	256	158	0	80	85	10	6	23	4	79
Carrollton Twp.	59	0	12	47	15	0	0	44	3	0	1	0	16
Chapin Twp.	38	0	0	38	0	0	19	19	1	1	26	0	0
Chesaning	38	0	5	33	0	0	27	11	2	0	5	0	8
Chesaning Twp.	75	0	10	65	0	0	36	39	2	1	40	0	16
Frankenmuth	82	0	18	64	0	0	51	31	5	2	2	0	27
Frankenmuth Twp.	67	0	10	57	0	0	13	54	3	0	30	0	14
Fremont Twp.	86	1	10	75	0	0	0	86	2	1	61	1	17
James Twp.	58	0	7	51	0	0	0	58	6	2	31	0	9
Jonesfield Twp.	51	0	5	46	0	0	14	37	2	1	31	0	6
Kochville Twp.	231	1	39	191	43	0	102	86	7	3	29	1	55
Lakefield Twp.	40	0	4	36	0	0	0	40	1	0	27	0	5
Maple Grove Twp.	88	0	10	78	0	0	32	56	2	0	46	0	13
Marion Twp.	27	0	3	24	0	0	0	27	1	1	14	0	4
Merrill	5	0	0	5	0	0	2	3	0	0	0	0	0
Oakley	2	0	1	1	0	0	0	2	0	0	1	0	1
Reese	0	0	0	0	0	0	0	0	0	0	0	0	0
Richland Twp.	109	0	15	94	0	0	34	75	3	1	43	0	23
Saginaw	1,321	2	274	1,045	34	0	492	794	39	11	11	2	388
Saginaw Twp.	961	1	204	756	29	0	433	499	19	1	57	1	289
St. Charles	29	0	3	26	0	0	17	12	3	2	5	0	4
St. Charles Twp.	61	0	9	52	0	0	23	38	4	1	33	0	12
Spaulding Twp.	58	0	14	44	0	0	30	28	3	2	23	0	17
Swan Creek Twp.	83	1	10	72	0	0	50	33	5	1	51	1	14
Taymouth Twp.	115	1	17	97	22	0	9	84	8	3	37	1	26
Thomas Twp.	260	1	44	215	0	0	87	173	17	2	91	1	55
Tittabawassee Twp.	222	2	38	182	0	0	114	107	7	2	77	2	62
Zilwaukee	33	1	4	28	27	0	0	6	1	1	4	1	5
Zilwaukee Twp.	33	0	5	28	25	0	5	2	1	0	3	0	7
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5,374	25	989	4,360	574	0	1,873	2,922	193	57	985	26	1,396

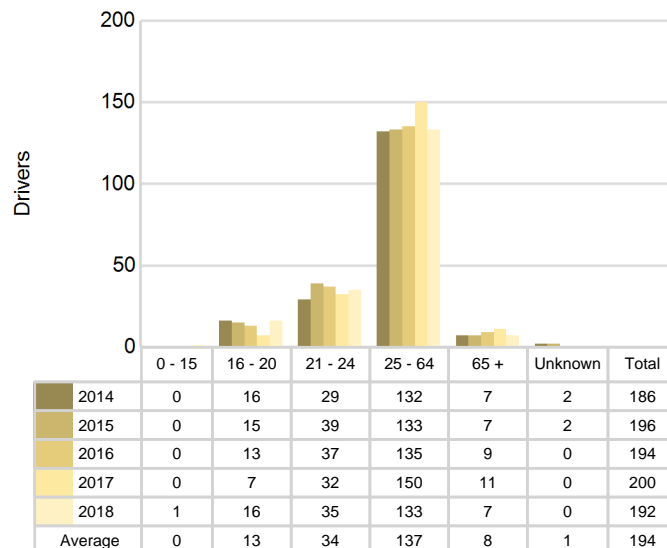
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	13	0	18	0	18	0	13	0	17	1
16 - 20	1,079	16	1,014	15	1,178	13	1,084	7	948	16
21 - 24	983	29	952	39	1,023	37	961	32	850	35
25 - 64	5,341	132	5,329	133	5,724	135	5,535	150	5,453	133
65 +	977	7	1,087	7	1,106	9	1,098	11	1,073	7
Unknown	462	2	454	2	520	0	460	0	477	0
Total	8,855	186	8,854	196	9,569	194	9,151	200	8,818	192

5-Year Trend
Total Drivers in Crashes by Age



5-Year Trend
Total Drivers Coded Drinking by Age



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	1	1	1	1	0	0	1	0	0
16 - 20	20	18	14	16	0	1	5	5	5
21 - 24	49	34	29	35	0	3	9	9	14
25 - 64	176	133	107	133	0	5	22	36	70
65 +	13	11	7	7	0	0	1	2	4
Unknown	11	0	0	0	0	0	0	0	0
Total	270	197	158	192	0	9	38	52	93

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 270 drivers in alcohol-involved crashes; 192 (71.1%) of those drivers were coded as had-been-drinking by the officer on the crash form.

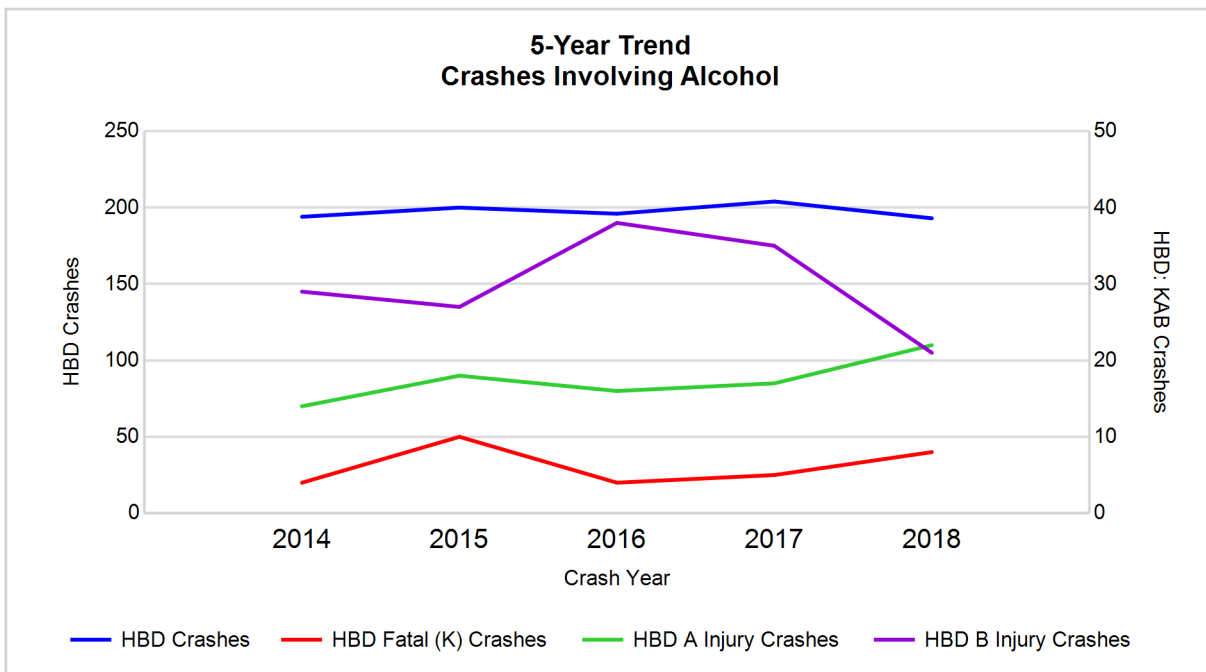
- 90 (46.9%) of the 192 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 52 (57.8%) of the 90 drivers had a BAC at or above 0.17 g/dL.
- 158 (82.3%) of the 192 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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	5,288	194	3.7	8	4	50.0	67	14	20.9	217	29	13.4
2015	5,316	200	3.8	20	10	50.0	78	18	23.1	233	27	11.6
2016	5,729	196	3.4	12	4	33.3	89	16	18.0	255	38	14.9
2017	5,545	204	3.7	21	5	23.8	86	17	19.8	268	35	13.1
2018	5,374	193*	3.6	25**	8	32.0	90**	22**	24.4**	220	21*	9.5*

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



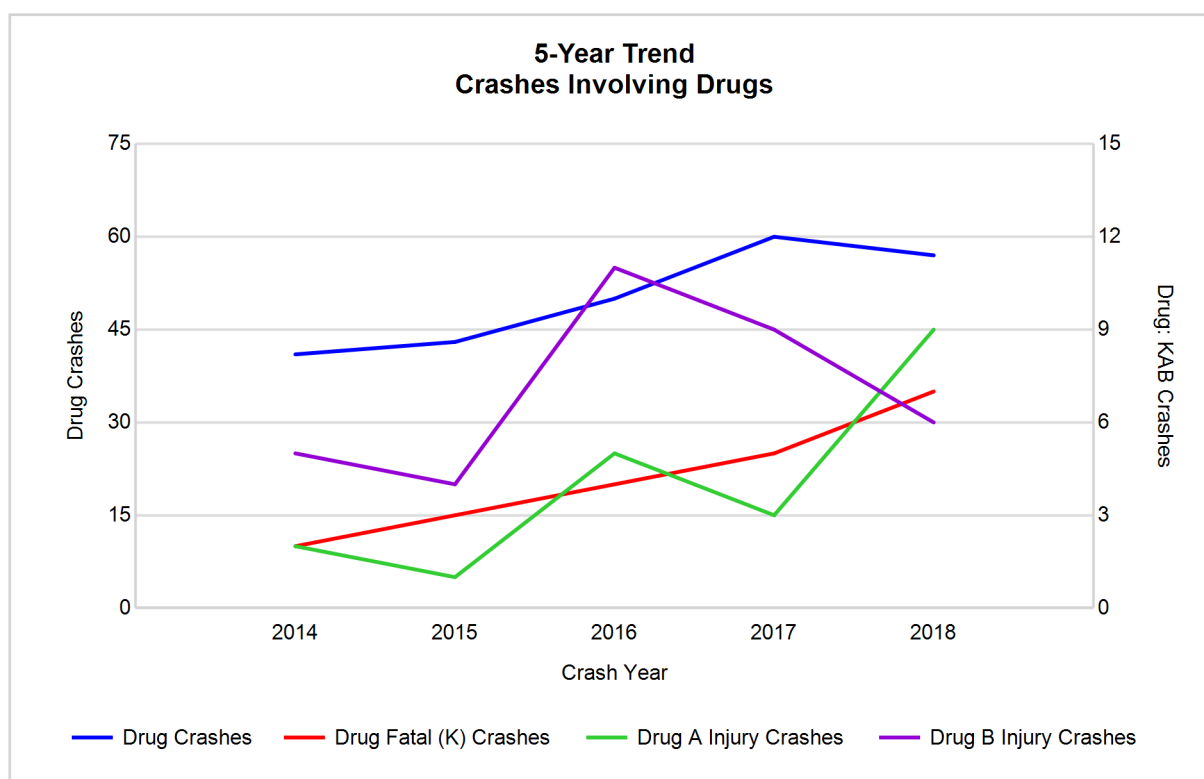
Note: Had-Been-Drinking (HBD)

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	5,288	41	0.8	8	2	25.0	67	2	3.0	217	5	2.3
2015	5,316	43	0.8	20	3	15.0	78	1	1.3	233	4	1.7
2016	5,729	50	0.9	12	4	33.3	89	5	5.6	255	11	4.3
2017	5,545	60	1.1	21	5	23.8	86	3	3.5	268	9	3.4
2018	5,374	57	1.1	25**	7**	28.0	90**	9**	10.0**	220	6	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

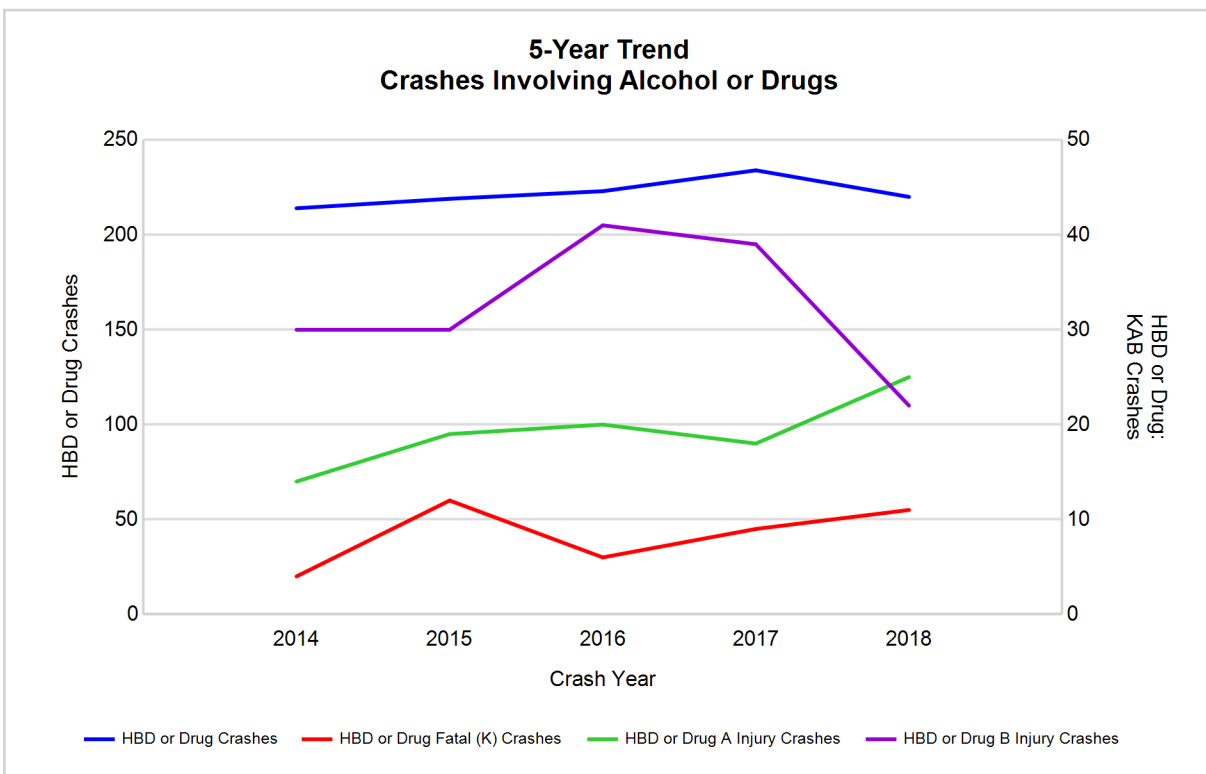


5-Year Trend - Crashes Involving Alcohol or Drugs

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	5,288	214	4.0	8	4	50.0	67	14	20.9	217	30	13.8
2015	5,316	219	4.1	20	12	60.0	78	19	24.4	233	30	12.9
2016	5,729	223	3.9	12	6	50.0	89	20	22.5	255	41	16.1
2017	5,545	234	4.2	21	9	42.9	86	18	20.9	268	39	14.6
2018	5,374	220	4.1	25**	11	44.0	90**	25**	27.8**	220	22*	10.0*

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	7,380	6,845	92.8	18	10	55.6	74	52	70.3	216	192	88.9	853	810	95.0	5,937	5,781	97.4
Motor home	34	33	97.1	0	0	0.0	1	1	100.0	1	1	100.0	8	8	100.0	23	23	100.0
Pickup truck	1,289	1,176	91.2	4	3	75.0	14	12	85.7	22	19	86.4	109	100	91.7	1,081	1,042	96.4
Small truck under 10,000 lbs. GVWR	43	41	95.3	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	39	38	97.4
Motorcycle	50	28	56.0	0	0	0.0	11	4	36.4	18	10	55.6	9	8	88.9	12	6	50.0
Moped / goped	6	2	33.3	0	0	0.0	2	1	50.0	2	0	0.0	1	1	100.0	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	1	0	0.0
Snowmobile	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	6	2	33.3	0	0	0.0	1	0	0.0	1	0	0.0	1	0	0.0	3	2	66.7
Other	63	45	71.4	0	0	0.0	0	0	0.0	1	1	100.0	2	0	0.0	51	44	86.3
Truck/bus over 10,000 lbs.	152	145	95.4	0	0	0.0	2	2	100.0	4	4	100.0	8	7	87.5	135	132	97.8
Unknown	136	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	9,160	8,317	90.8	22	13	0.0	105	72	68.6	266	228	85.7	993	936	94.3	7,283	7,068	97.0

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	108	98	90.7	2	2	100.0	2	1	50.0	18	14	77.8	72	69	95.8	13	12	92.3
16 - 20	1,010	969	95.9	2	2	100.0	4	3	75.0	40	31	77.5	125	116	92.8	837	817	97.6
21 - 24	872	831	95.3	2	1	50.0	9	5	55.6	23	20	87.0	104	93	89.4	734	712	97.0
25 - 64	5,583	5,335	95.6	12	5	41.7	75	50	66.7	151	130	86.1	565	535	94.7	4,766	4,615	96.8
65 +	1,110	1,079	97.2	4	3	75.0	15	13	86.7	34	33	97.1	127	123	96.9	926	907	97.9
Unknown	477	5	1.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	7	5	71.4
Total	9,160	8,317	90.8	22	13	0.0	105	72	68.6	266	228	85.7	993	936	94.3	7,283	7,068	97.0

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	43	0	4	61	1	8	39	0	8	19	0	1	14	0	4
Shoulder belt only used	14	0	1	14	0	2	31	0	6	73	0	7	46	0	7
Lap belt only used	95	0	6	137	0	11	87	0	10	61	0	5	52	0	8
Both lap & shoulder belts used	7,929	3	753	7,787	4	861	8,522	5	938	8,131	6	863	7,887	8	905
No belts used	72	1	27	104	4	38	117	1	37	119	7	39	90	5	34
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	5	0	1	10	0	0	8	0	1	8	0	3	4	0	1
Restraint use unknown	456	0	26	310	1	35	428	0	13	679	0	43	668	3	28
Helmet worn	42	0	27	40	1	30	40	1	34	36	1	28	30	0	22
Helmet not worn	13	1	10	36	4	25	33	1	20	25	2	17	23	0	17
Helmet use unknown	4	0	2	4	1	3	9	0	6	0	0	0	4	0	2
Uncoded & errors	182	0	1	351	0	0	255	0	0	0	0	0	0	0	0
Total	8,855	5	858	8,854	16	1,013	9,569	8	1,073	9,151	16	1,006	8,818	16	1,028

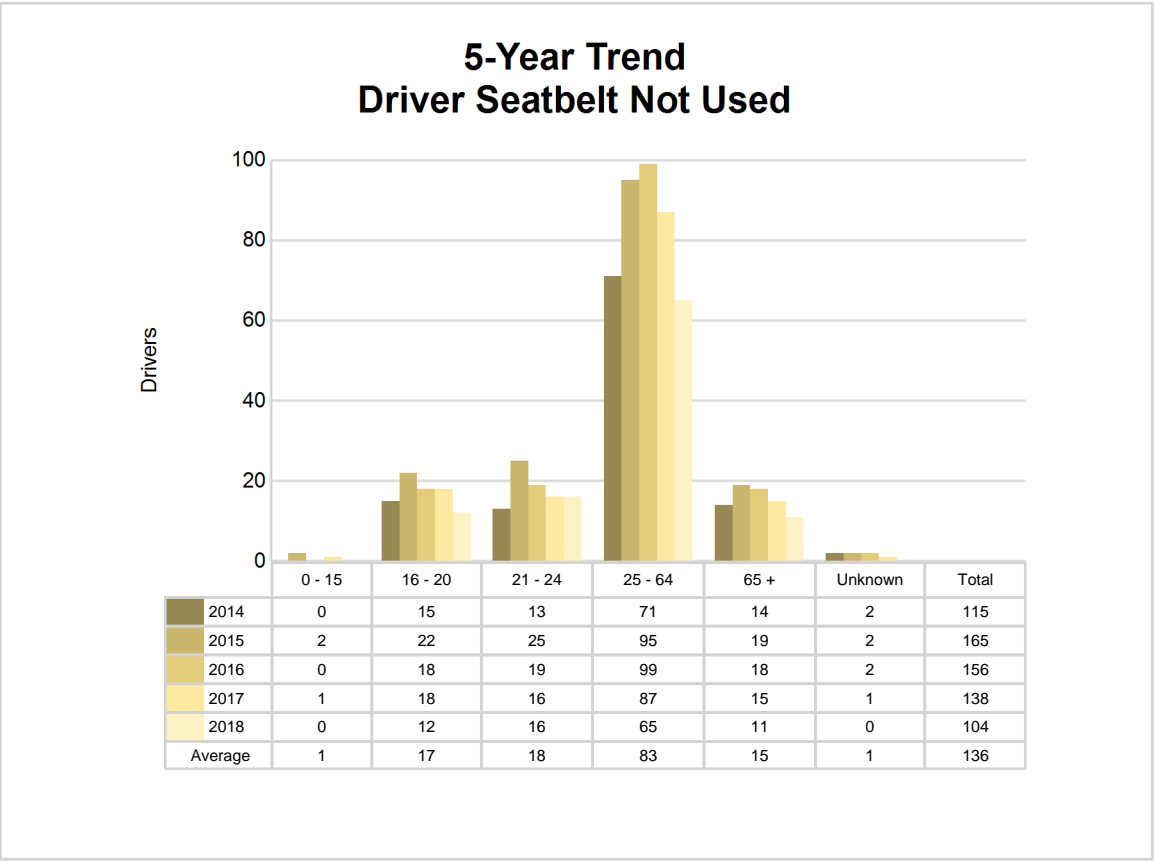
5-Year Trend - Restraint Use Among Drivers Coded Drinking

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	3	0	1	1	0	1	1	0	1	0	0	0	0	0	0
Shoulder belt only used	0	0	0	0	0	0	3	0	1	4	0	2	2	0	0
Lap belt only used	3	0	2	3	0	2	1	0	1	0	0	0	1	0	1
Both lap & shoulder belts used	125	0	28	122	1	29	142	1	44	131	0	43	138	2	49
No belts used	13	0	11	20	3	14	13	1	8	18	3	13	11	2	7
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	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Restraint use unknown	36	0	11	37	1	10	25	0	3	41	0	15	37	0	10
Helmet worn	0	0	0	2	0	2	4	0	4	2	0	2	1	0	1
Helmet not worn	3	1	2	9	3	6	4	0	2	4	0	3	1	0	1
Helmet use unknown	1	0	1	2	0	2	1	0	1	0	0	0	1	0	1
Uncoded & errors	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	186	1	57	196	8	66	194	2	65	200	3	78	192	4	70

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	2	0	2	0	0	0	1	0	0	0	0	0
16 - 20	15	1	3	22	0	5	18	0	5	18	0	7	12	0	4
21 - 24	13	0	6	25	1	9	19	0	7	16	1	6	16	1	9
25 - 64	71	0	20	95	4	23	99	1	25	87	5	26	65	3	23
65 +	14	0	2	19	0	6	18	0	8	15	1	1	11	1	2
Unknown	2	0	0	2	0	1	2	0	0	1	0	0	0	0	0
Total	115	1	31	165	5	46	156	1	45	138	7	40	104	5	38

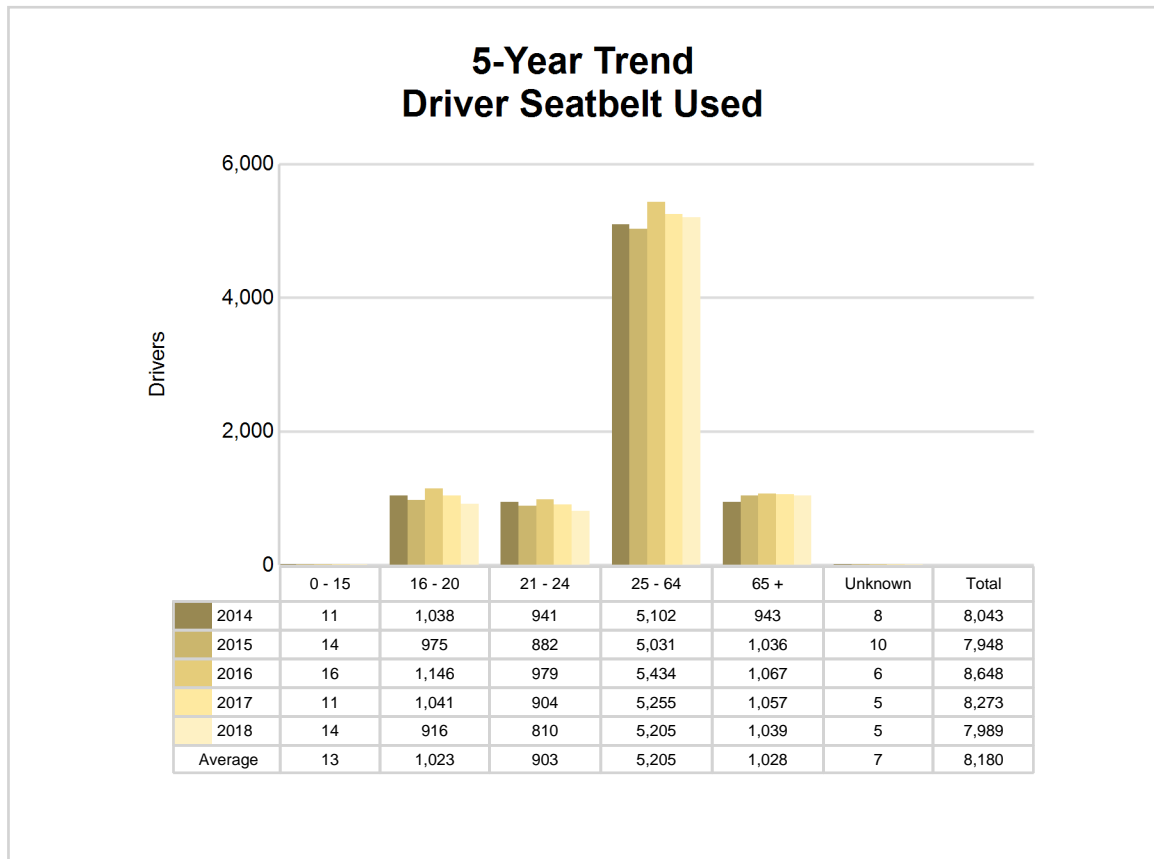
Note: Seatbelt Not Used includes no belts available or no belts used.



5-Year Trend - Seatbelt Used Among Drivers by Age

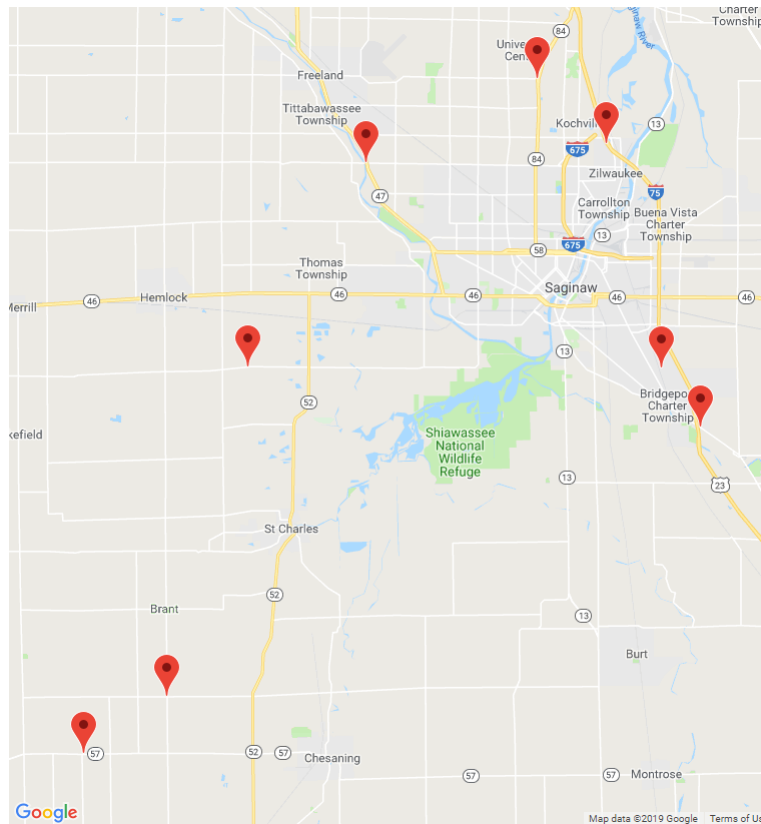
Age Group	2014			2015			2016			2017			2018		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	11	0	1	14	0	1	16	0	3	11	0	3	14	0	2
16 - 20	1,038	1	99	975	0	126	1,146	0	114	1,041	0	106	916	2	97
21 - 24	941	1	99	882	0	104	979	1	96	904	0	86	810	1	98
25 - 64	5,102	0	464	5,031	1	510	5,434	3	598	5,255	2	553	5,205	4	593
65 +	943	1	98	1,036	3	132	1,067	1	144	1,057	4	130	1,039	1	131
Unknown	8	0	0	10	0	1	6	0	0	5	0	0	5	0	0
Total	8,043	3	761	7,948	4	874	8,648	5	955	8,273	6	878	7,989	8	921

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



5-Year Trend - Drivers in Crashes by Hazardous Action

Hazardous Action	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	4,458	5	4,503	10	4,891	6	4,722	16	4,536	18
Speed too fast	665	1	686	8	727	3	617	2	702	1
Speed too slow	17	0	23	0	14	0	14	0	19	0
Failed to yield	857	0	886	1	906	1	873	4	864	3
Disregard traffic control	283	1	339	3	329	0	272	4	287	6
Drove wrong way	17	0	13	0	11	0	7	0	8	1
Drove left of center	51	2	52	1	43	1	50	3	52	3
Improper passing	39	0	37	0	54	1	53	0	51	1
Improper lane use	132	0	146	0	166	1	148	0	154	0
Improper turn	109	0	127	0	156	0	161	0	119	0
Improper/no signal	18	0	16	0	13	0	12	0	6	0
Improper backing	151	0	163	0	168	0	106	0	108	0
Unable to stop in assured clear distance	1,079	0	1,020	0	1,134	0	1,044	1	887	3
Other	378	0	365	2	385	1	388	2	323	2
Unknown	276	1	170	3	215	3	317	1	334	2
Reckless driving	45	0	59	0	57	1	46	2	55	0
Careless/negligent driving	277	1	246	0	291	1	321	1	313	3
Uncoded & errors	3	0	3	0	9	0	0	0	0	0
Total	8,855	11	8,854	28	9,569	19	9,151	36	8,818	43



The picture above represents all 2018 alcohol-involved fatal crashes in Saginaw County.

In 2018, there were 193 alcohol-involved crashes in Saginaw County:

8	K - Fatal Crashes
22	A - Suspected Serious Injury Crashes
21	B - Suspected Minor Injury Crashes
40	C - Possible Injury Crashes
102	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

