July 2020
Revised 8/24/2020

MICHIGAN
Office of Highway Safety Planning
2019

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.

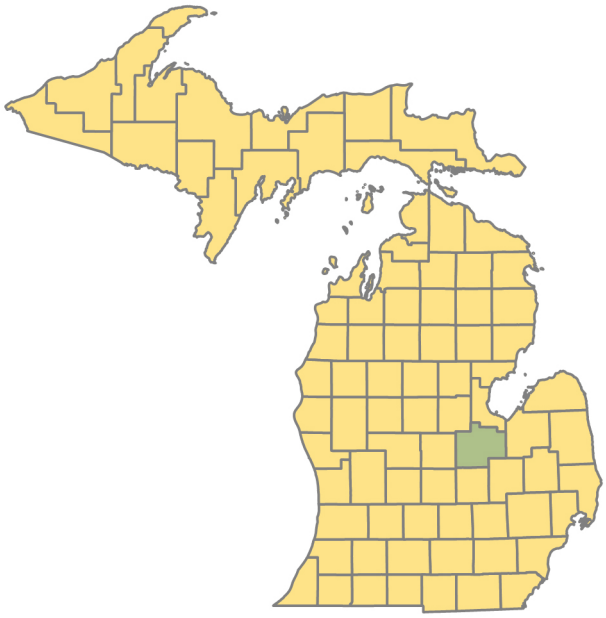
Examples: Age, injury severity, and seat belt or helmet use.

KABCO Injury Indicator:
K = Killed
A = Suspected Serious Injury
B = Suspected Minor Injury
C = Possible Injury
O = No Injury
Property Damage Only (PDO)

UMTRI
University of Michigan
Transportation Research Institute

Saginaw County

2019 Traffic Crash Data & 2015-2019 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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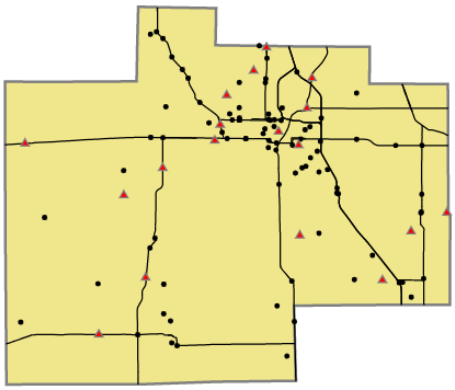
Saginaw County



Crashes by most severe injury (mapped/actual)
- K - Fatal (18/18)
- A - Suspected Serious (88/88)

2019 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	508	0	71	437	0	112
February	470	1	68	401	1	85
March	396	1	60	335	1	93
April	404	2	79	323	2	109
May	430	4	90	336	4	125
June	443	2	88	353	2	134
July	339	1	85	253	1	120
August	384	1	86	297	1	132
September	440	2	102	336	2	140
October	563	1	98	464	1	145
November	643	2	86	555	2	116
December	535	1	83	451	1	116
Total	**5,555**	**18**	**996**	**4,541**	**18**	**1,427**

Saginaw County

In 2019:

There were 9,007 drivers involved in 5,555 motor vehicle crashes in Saginaw County. Of those crashes, 18 were classified as fatal, resulting in 18 fatalities. An additional 1,427 persons were injured.

Saginaw County experienced the highest number of motor vehicle crashes (643) in November, the highest number of fatal crashes (4) and the highest number of persons killed (4) in May.

Michigan driver statistics indicate 6.2 percent of licensed drivers in Saginaw County were age 16-20, and 11.1 percent of drivers in crashes were also in that age group.

2019 - Driver Statistics

Age Group	Saginaw County			Driver Rates	
	2019 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	35,940	928	17	4.7	183.2
16 - 20	12,745	8,401	997	782.3	1,186.8
21 - 24	9,784	8,279	866	885.1	1,046.0
25 - 64	94,656	84,232	5,490	580.0	651.8
65 +	37,414	33,052	1,153	308.2	348.8
Unknown	0	0	484	- -	- -
Total	**190,539**	**134,892**	**9,007**	**472.7**	**667.7**

2019 - 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	7,128	79.1	17	58.6	1,449	5,662
Motor home	30	0.3	0	0.0	7	23
Pickup truck	1,393	15.5	7	24.1	250	1,136
Small truck under 10,000 lbs. GVWR	40	0.4	0	0.0	6	34
Motorcycle	57	0.6	3	10.3	38	16
Moped / goped	5	0.1	0	0.0	3	2
Go-cart / golf cart	0	0.0	0	0.0	0	0
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	2	0.0	0	0.0	1	1
Other	31	0.3	1	3.4	6	24
Truck/bus over 10,000 lbs.	170	1.9	1	3.4	29	140
Unknown	151	1.7	0	0.0	23	128
Total	**9,007**	**100.0**	**29**	**100.0**	**1,812**	**7,166**

Saginaw County (continued)

5-Year Trend - Crashes by Month

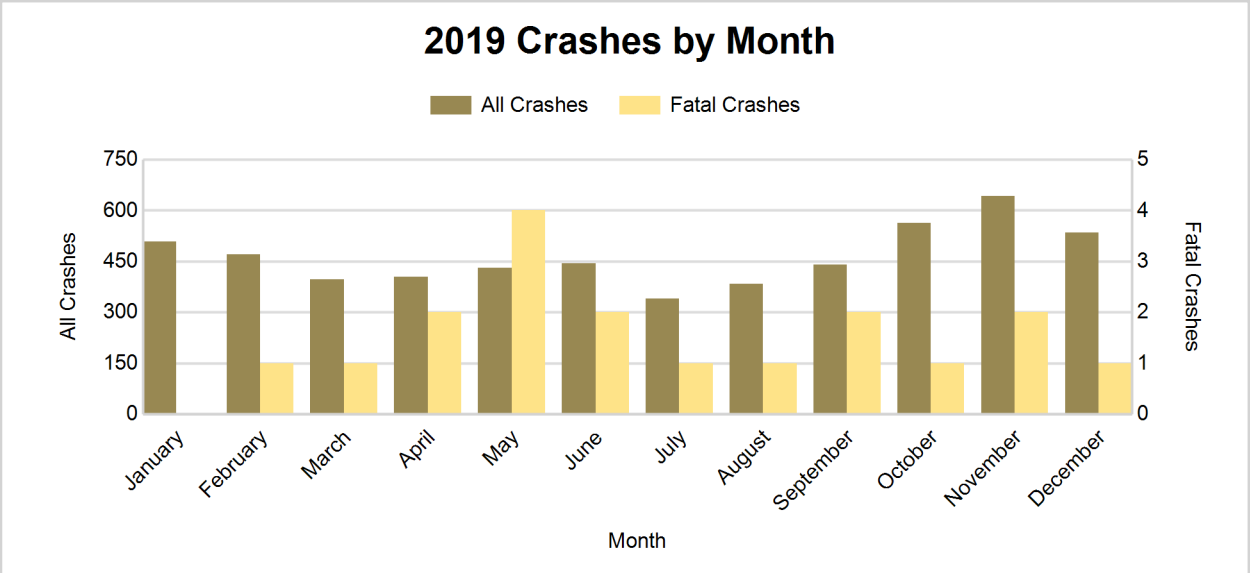
Month	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	613	1	518	1	481	1	557	2	508	0
February	405	1	542	2	305	0	458	2	470	1
March	380	2	473	0	472	3	445	0	396	1
April	355	1	379	1	421	1	425	2	404	2
May	381	3	388	1	421	0	391	2	430	4
June	382	3	456	1	386	1	446	0	443	2
July	378	2	420	0	422	4	347	3	339	1
August	361	1	418	2	387	1	379	3	384	1
September	390	0	453	1	403	2	373	4	440	2
October	548	0	494	0	532	3	530	3	563	1
November	616	4	539	2	553	2	586	4	643	2
December	507	2	649	1	762	3	437	0	535	1
Total	**5,316**	**20**	**5,729**	**12**	**5,545**	**21**	**5,374**	**25**	**5,555**	**18**

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	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	723	1	875	1	792	1	824	3	791	4
Tuesday	866	6	869	2	877	5	788	2	829	1
Wednesday	827	1	900	1	822	1	789	4	831	1
Thursday	791	3	790	1	882	2	757	3	833	3
Friday	792	4	915	5	832	4	921	3	888	3
Saturday	717	3	732	0	757	5	695	4	742	4
Sunday	600	2	648	2	583	3	600	6	641	2
Total	**5,316**	**20**	**5,729**	**12**	**5,545**	**21**	**5,374**	**25**	**5,555**	**18**

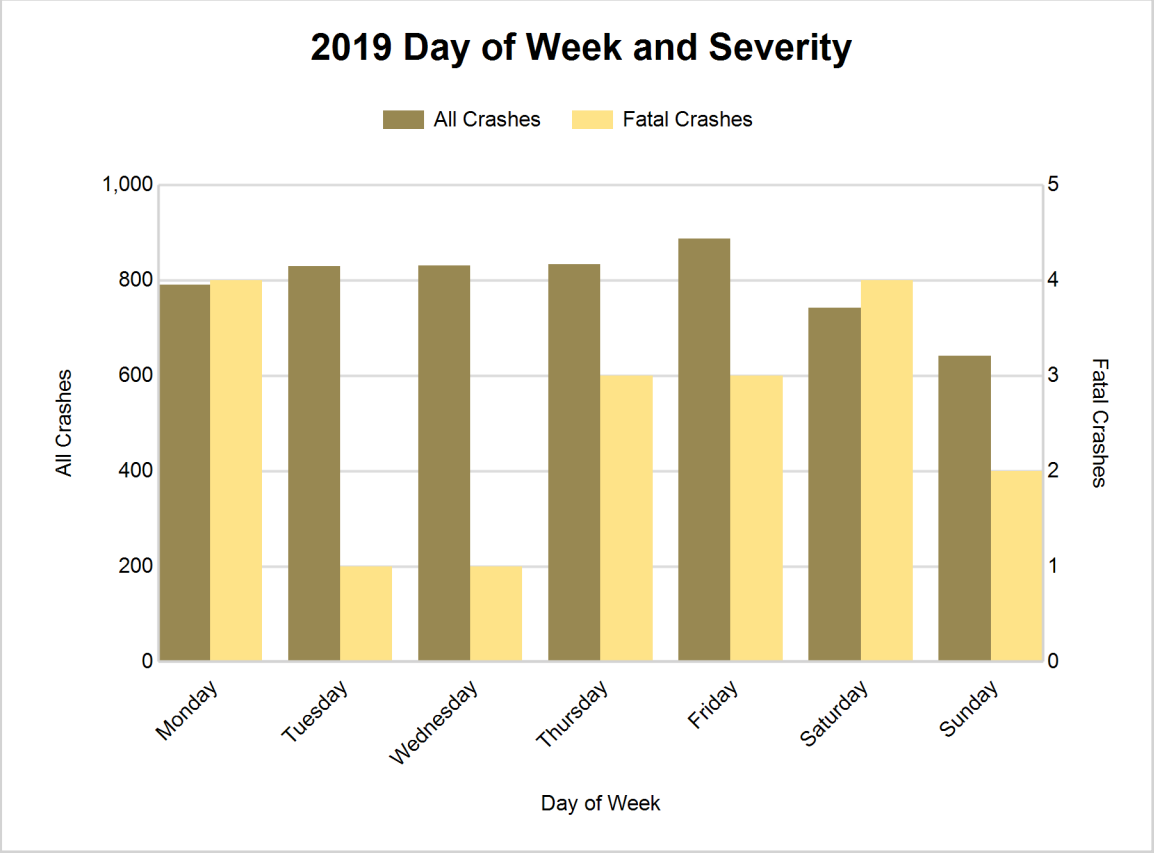
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred on the same day of the week



Saginaw County (continued)

2019 - Crashes by Day of Week

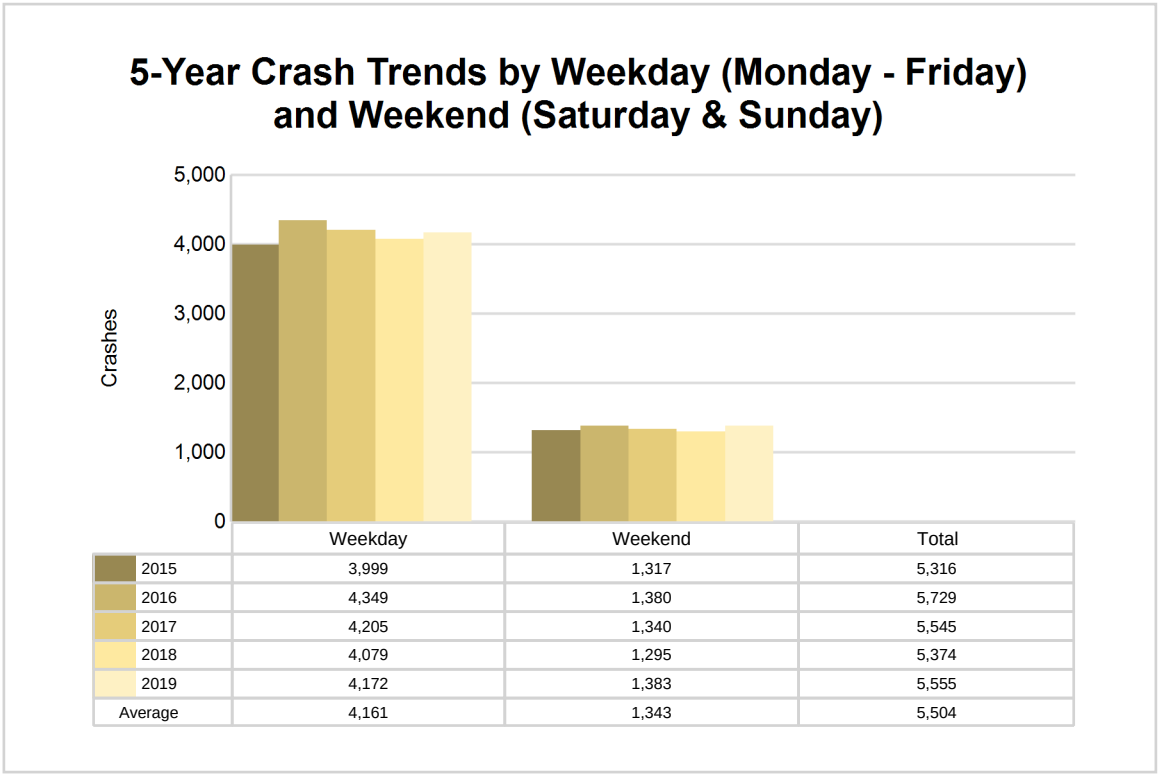
Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Monday	791	14.2	4	22.2	12	27	101	647
Tuesday	829	14.9	1	5.6	9	36	111	672
Wednesday	831	15.0	1	5.6	12	40	98	680
Thursday	833	15.0	3	16.7	14	32	101	683
Friday	888	16.0	3	16.7	6	41	103	735
Saturday	742	13.4	4	22.2	20	30	89	599
Sunday	641	11.5	2	11.1	15	35	64	525
Total	**5,555**	**100.0**	**18**	**100.0**	**88**	**241**	**667**	**4,541**



Saginaw County (continued)

5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	3,999	15	4,349	10	4,205	13	4,079	15	4,172	12
Weekend	1,317	5	1,380	2	1,340	8	1,295	10	1,383	6
Total	**5,316**	**20**	**5,729**	**12**	**5,545**	**21**	**5,374**	**25**	**5,555**	**18**



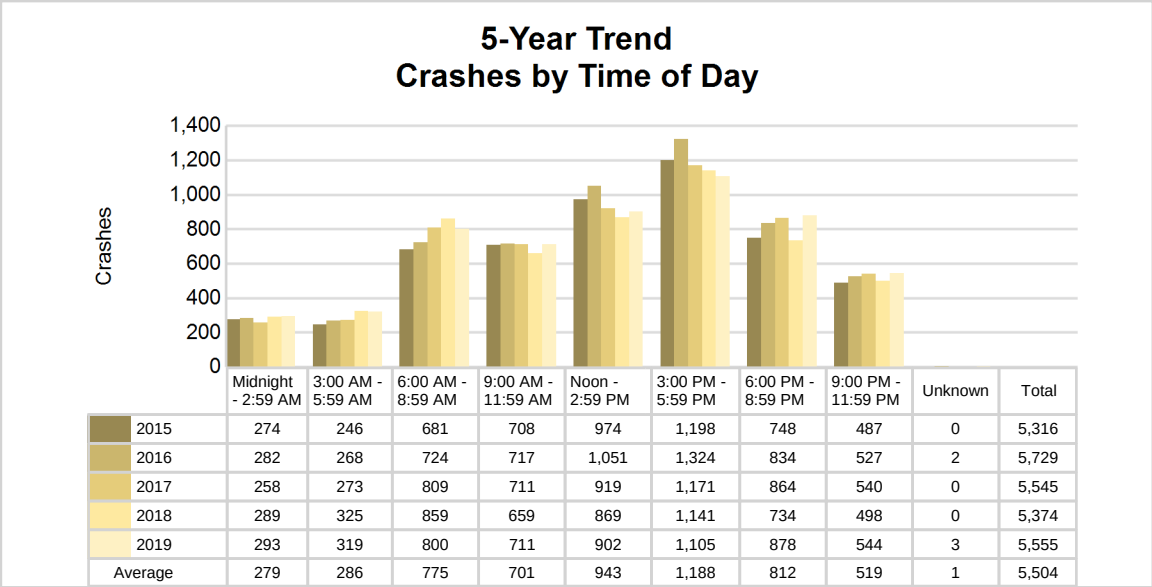
	Weekday	Weekend	Total
2015	3,999	1,317	5,316
2016	4,349	1,380	5,729
2017	4,205	1,340	5,545
2018	4,079	1,295	5,374
2019	4,172	1,383	5,555
Average	4,161	1,343	5,504

Saginaw County (continued)

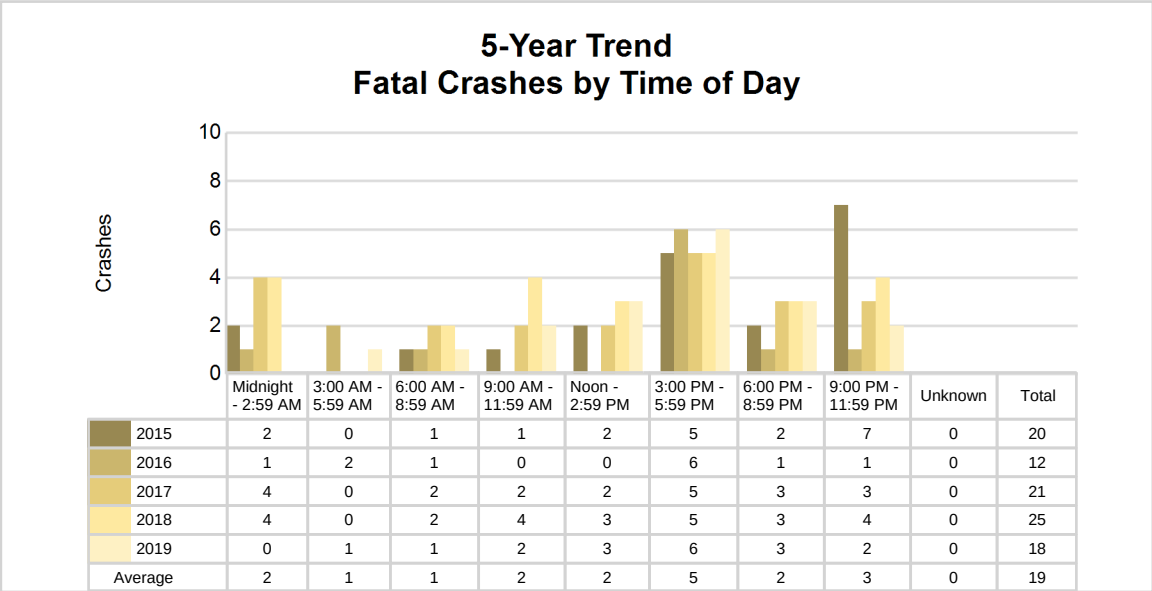
5-Year Trend - Crashes by Time of Day

Time of Day	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	274	2	282	1	258	4	289	4	293	0
3:00 AM - 5:59 AM	246	0	268	2	273	0	325	0	319	1
6:00 AM - 8:59 AM	681	1	724	1	809	2	859	2	800	1
9:00 AM - 11:59 AM	708	1	717	0	711	2	659	4	711	2
Noon - 2:59 PM	974	2	1,051	0	919	2	869	3	902	3
3:00 PM - 5:59 PM	1,198 †	5	1,324 †	6	1,171 †	5	1,141 †	5	1,105 †	6
6:00 PM - 8:59 PM	748	2	834	1	864	3	734	3	878	3
9:00 PM - 11:59 PM	487	7	527	1	540	3	498	4	544	2
Unknown	0	0	2	0	0	0	0	0	3	0
Total	**5,316**	**20**	**5,729**	**12**	**5,545**	**21**	**5,374**	**25**	**5,555**	**18**

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



	Midnight - 2:59 AM	3:00 AM - 5:59 AM	6:00 AM - 8:59 AM	9:00 AM - 11:59 AM	Noon - 2:59 PM	3:00 PM - 5:59 PM	6:00 PM - 8:59 PM	9:00 PM - 11:59 PM	Unknown	Total
2015	274	246	681	708	974	1,198	748	487	0	5,316
2016	282	268	724	717	1,051	1,324	834	527	2	5,729
2017	258	273	809	711	919	1,171	864	540	0	5,545
2018	289	325	859	659	869	1,141	734	498	0	5,374
2019	293	319	800	711	902	1,105	878	544	3	5,555
Average	279	286	775	701	943	1,188	812	519	1	5,504

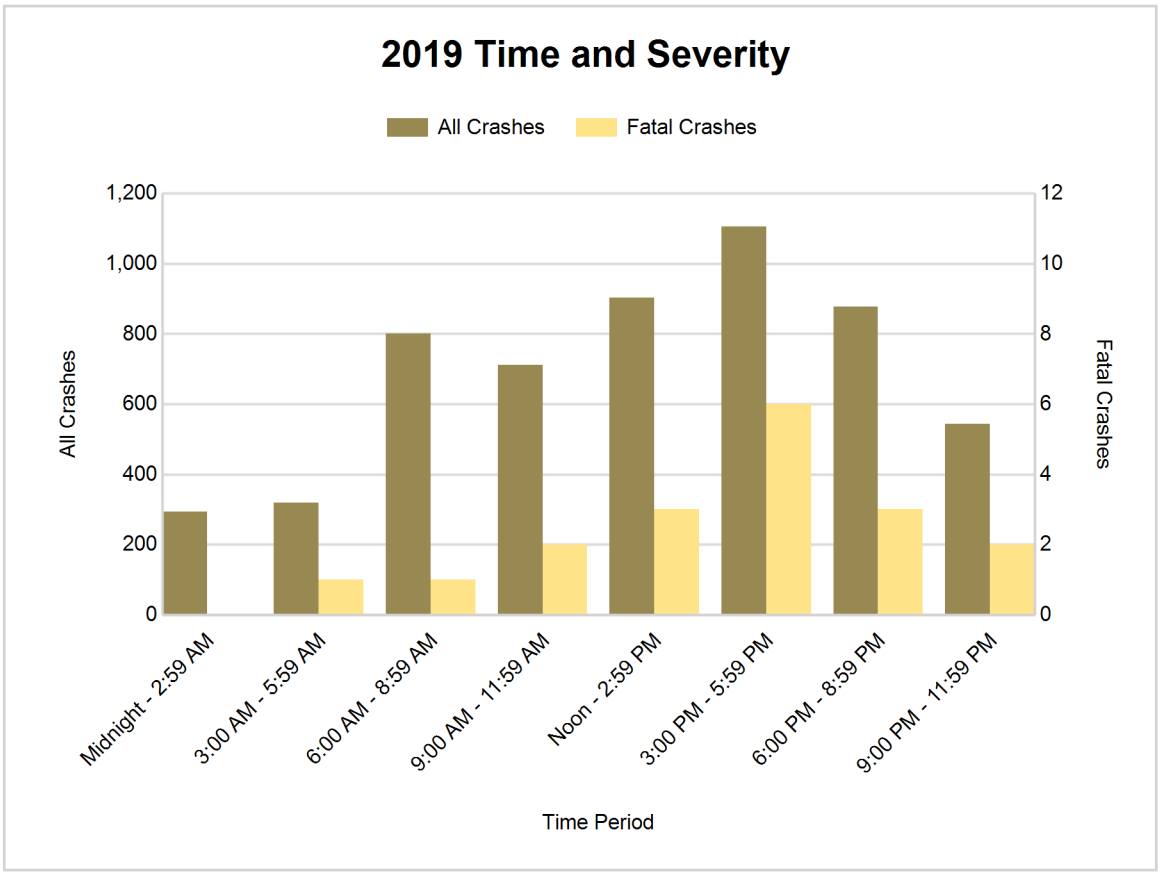


	Midnight - 2:59 AM	3:00 AM - 5:59 AM	6:00 AM - 8:59 AM	9:00 AM - 11:59 AM	Noon - 2:59 PM	3:00 PM - 5:59 PM	6:00 PM - 8:59 PM	9:00 PM - 11:59 PM	Unknown	Total
2015	2	0	1	1	2	5	2	7	0	20
2016	1	2	1	0	0	6	1	1	0	12
2017	4	0	2	2	2	5	3	3	0	21
2018	4	0	2	4	3	5	3	4	0	25
2019	0	1	1	2	3	6	3	2	0	18
Average	2	1	1	2	2	5	2	3	0	19

Saginaw County (continued)

2019 - 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	293	5.3	0	0.0	10	15	25	243
3:00 AM - 5:59 AM	319	5.7	1	5.6	4	11	30	273
6:00 AM - 8:59 AM	800	14.4	1	5.6	8	24	94	673
9:00 AM - 11:59 AM	711	12.8	2	11.1	9	29	91	580
Noon - 2:59 PM	902	16.2	3	16.7	14	41	132	712
3:00 PM - 5:59 PM	1,105	19.9	6	33.3	18	60	156	865
6:00 PM - 8:59 PM	878	15.8	3	16.7	18	34	88	735
9:00 PM - 11:59 PM	544	9.8	2	11.1	7	27	51	457
Unknown	3	0.1	0	0.0	0	0	0	3
Total	**5,555**	**100.0**	**18**	**100.0**	**88**	**241**	**667**	**4,541**

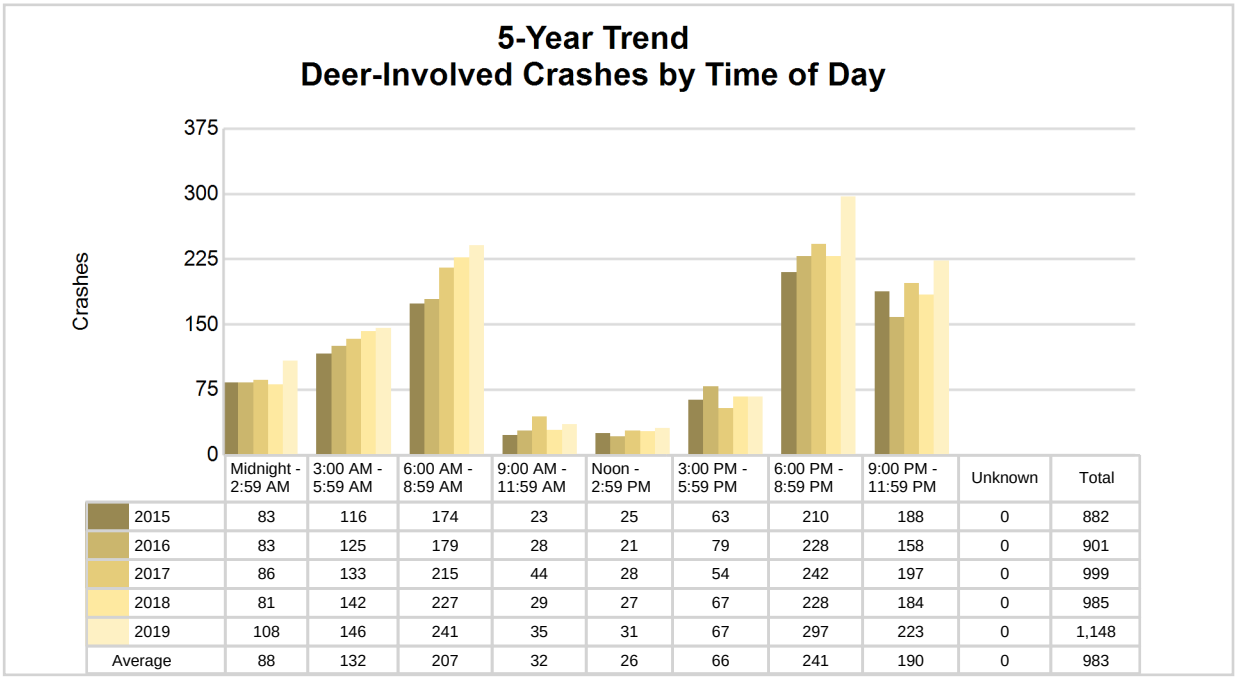


Saginaw County (continued)

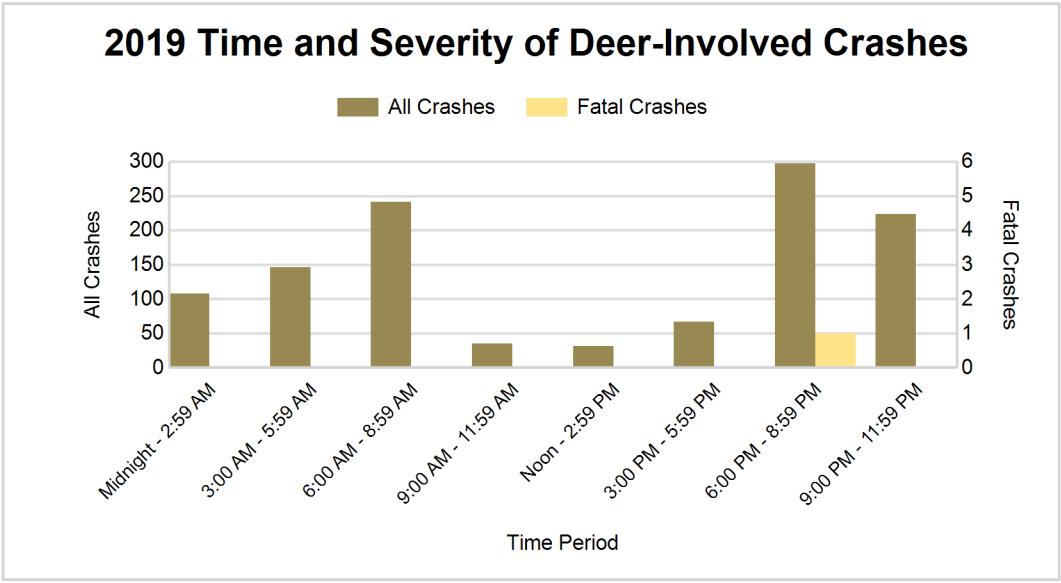
5-Year Trend - Deer-Involved Crashes by Time of Day

Time of Day	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	83	0	83	0	86	1	81	0	108	0
3:00 AM - 5:59 AM	116	0	125	0	133	0	142	0	146	0
6:00 AM - 8:59 AM	174	0	179	0	215	0	227	0	241	0
9:00 AM - 11:59 AM	23	0	28	0	44	0	29	0	35	0
Noon - 2:59 PM	25	0	21	0	28	0	27	0	31	0
3:00 PM - 5:59 PM	63	0	79	0	54	0	67	0	67	0
6:00 PM - 8:59 PM	210 †	0	228 †	0	242 †	0	228 †	0	297 †	1
9:00 PM - 11:59 PM	188	0	158	0	197	0	184	0	223	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	**882**	**0**	**901**	**0**	**999**	**1**	**985**	**0**	**1,148**	**1**

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



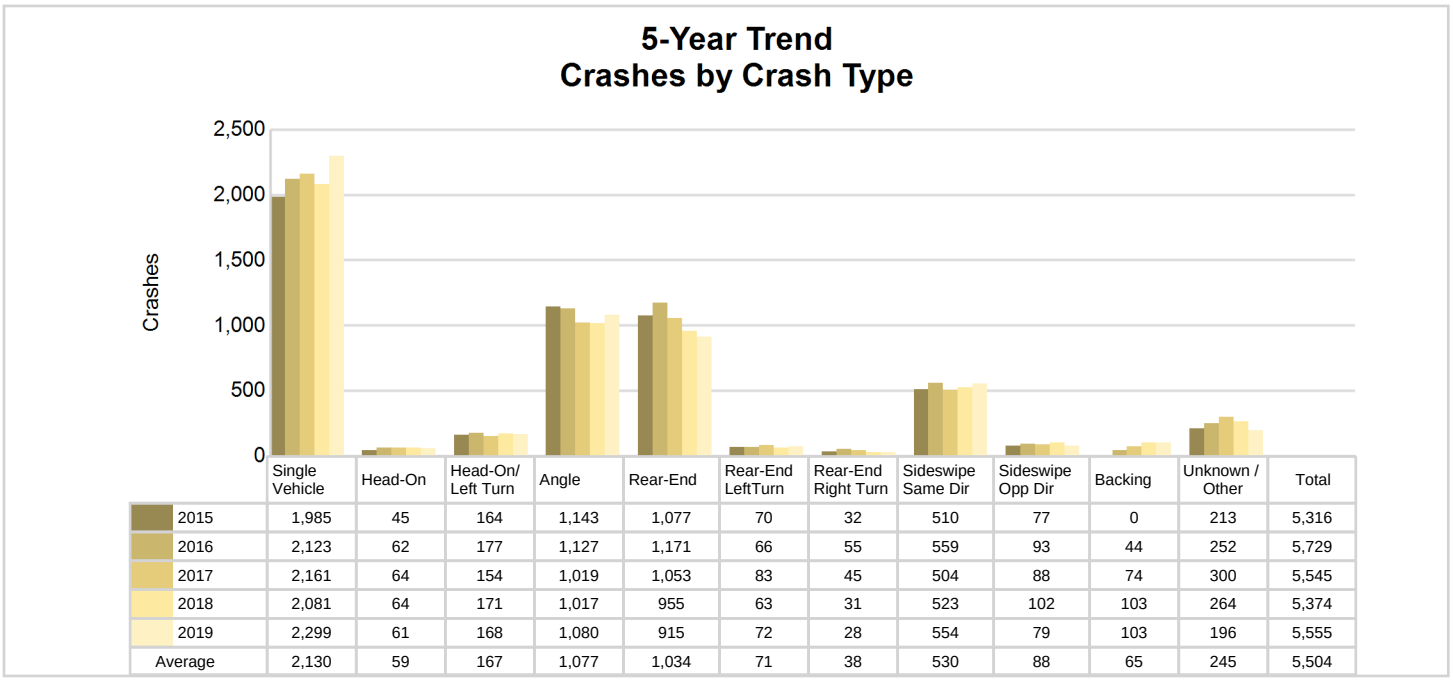
	Midnight - 2:59 AM	3:00 AM - 5:59 AM	6:00 AM - 8:59 AM	9:00 AM - 11:59 AM	Noon - 2:59 PM	3:00 PM - 5:59 PM	6:00 PM - 8:59 PM	9:00 PM - 11:59 PM	Unknown	Total
2015	83	116	174	23	25	63	210	188	0	882
2016	83	125	179	28	21	79	228	158	0	901
2017	86	133	215	44	28	54	242	197	0	999
2018	81	142	227	29	27	67	228	184	0	985
2019	108	146	241	35	31	67	297	223	0	1,148
Average	88	132	207	32	26	66	241	190	0	983



Saginaw County (continued)

5-Year Trend - Crashes by Crash Type

Crash Type	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Single motor vehicle	1,985	14	2,123	5	2,161	8	2,081	9	2,299	7
Head-on	45	0	62	6	64	2	64	5	61	3
Head-on / left turn	164	0	177	0	154	1	171	0	168	0
Angle	1,143	4	1,127	1	1,019	8	1,017	9	1,080	8
Rear-end	1,077	0	1,171	0	1,053	0	955	1	915	0
Rear-end left turn	70	0	66	0	83	1	63	0	72	0
Rear-end right turn	32	0	55	0	45	0	31	0	28	0
Sideswipe same direction	510	0	559	0	504	0	523	0	554	0
Sideswipe opposite direction	77	1	93	0	88	0	102	0	79	0
Backing	0	0	44	0	74	0	103	0	103	0
Other / Unknown	213	1	252	0	300	1	264	1	196	0
Uncoded and Errors	0	0	0	0	0	0	0	0	0	0
Total	**5,316**	**20**	**5,729**	**12**	**5,545**	**21**	**5,374**	**25**	**5,555**	**18**



	Single Vehicle	Head-On	Head-On/ Left Turn	Angle	Rear-End	Rear-End LeftTurn	Rear-End Right Turn	Sideswipe Same Dir	Sideswipe Opp Dir	Backing	Unknown / Other	Total
2015	1,985	45	164	1,143	1,077	70	32	510	77	0	213	5,316
2016	2,123	62	177	1,127	1,171	66	55	559	93	44	252	5,729
2017	2,161	64	154	1,019	1,053	83	45	504	88	74	300	5,545
2018	2,081	64	171	1,017	955	63	31	523	102	103	264	5,374
2019	2,299	61	168	1,080	915	72	28	554	79	103	196	5,555
Average	2,130	59	167	1,077	1,034	71	38	530	88	65	245	5,504

Saginaw County (continued)

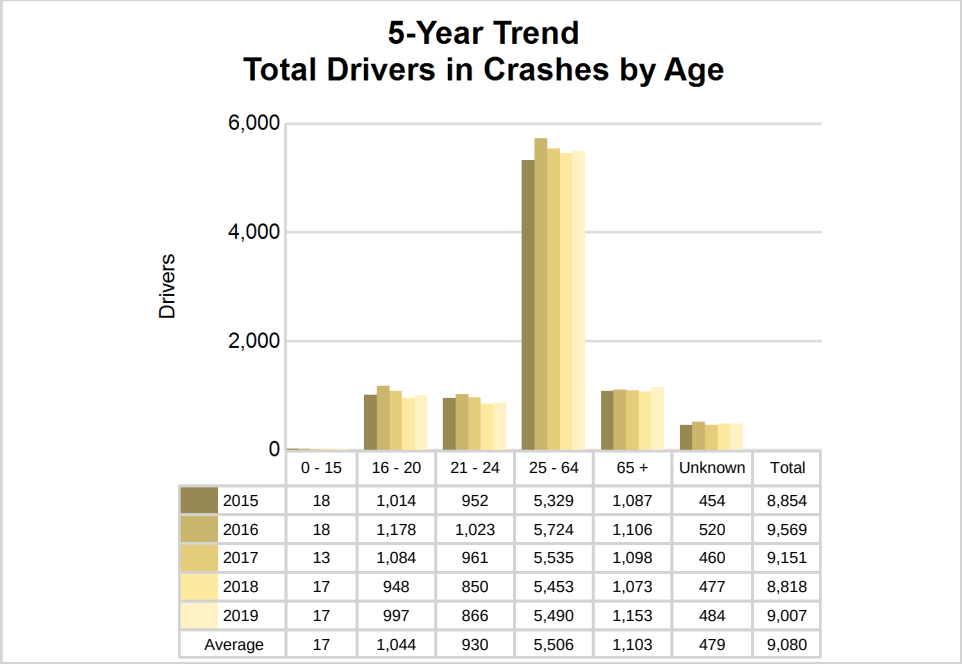
2019 - Reported Motor Vehicle Crashes by Municipality

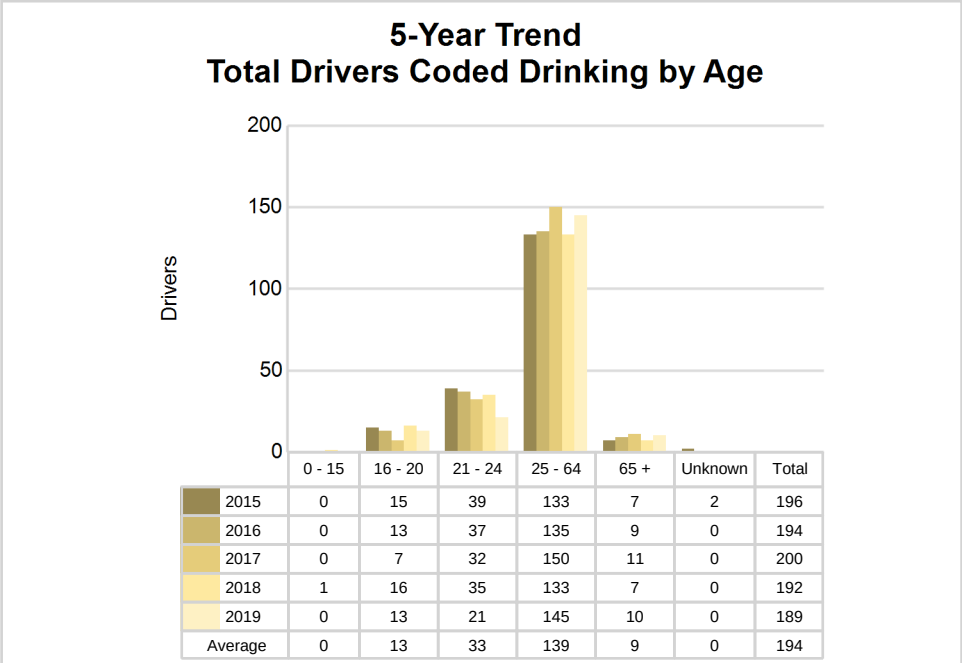
Municipality	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Albee Twp.	52	0	10	42	0	0	19	33	4	0	24	0	13
Birch Run	105	1	15	89	24	0	32	49	1	1	7	1	18
Birch Run Twp.	249	0	46	203	92	0	72	84	4	1	54	0	62
Blumfield Twp.	65	0	17	48	0	0	50	15	3	0	13	0	26
Brady Twp.	55	1	4	50	0	0	25	30	3	1	33	1	6
Brant Twp.	63	0	7	56	0	0	0	63	2	1	46	0	8
Bridgeport Twp.	286	0	50	236	121	0	0	160	9	1	53	0	78
Buena Vista Twp.	322	0	54	268	160	0	75	84	12	2	23	0	77
Carrollton Twp.	72	0	18	54	18	0	0	53	12	3	3	0	22
Chapin Twp.	36	0	2	34	0	0	21	15	0	0	22	0	2
Chesaning	28	0	6	22	0	0	22	6	0	0	6	0	7
Chesaning Twp.	80	0	9	71	0	0	35	45	3	1	49	0	12
Frankenmuth	79	0	15	64	0	0	55	24	1	0	3	0	17
Frankenmuth Twp.	73	2	10	61	0	0	14	59	2	0	29	2	18
Fremont Twp.	97	1	7	89	0	0	0	97	2	0	72	1	13
James Twp.	67	0	6	61	0	0	0	67	3	1	40	0	6
Jonesfield Twp.	35	0	6	29	0	0	10	25	1	0	23	0	7
Kochville Twp.	265	2	41	222	43	0	111	109	4	2	40	2	59
Lakefield Twp.	47	0	3	44	0	0	0	47	3	0	38	0	4
Maple Grove Twp.	70	0	9	61	0	0	19	51	1	0	40	0	14
Marion Twp.	35	0	2	33	0	0	0	35	2	1	22	0	2
Merrill	7	1	0	6	0	0	3	4	0	1	0	1	0
Oakley	3	0	0	3	0	0	2	1	0	0	0	0	0
Reese	0	0	0	0	0	0	0	0	0	0	0	0	0
Richland Twp.	134	0	14	120	0	0	35	99	3	0	81	0	20
Saginaw	1,328	3	274	1,051	60	0	489	777	46	5	8	3	379
Saginaw Twp.	963	2	217	744	33	0	424	506	23	9	75	2	326
St. Charles	24	0	4	20	0	0	16	8	1	0	5	0	4
St. Charles Twp.	68	1	12	55	0	0	21	47	6	1	33	1	19
Spaulding Twp.	64	0	8	56	0	0	39	25	4	0	32	0	12
Swan Creek Twp.	67	1	3	63	0	0	44	23	2	1	46	1	6
Taymouth Twp.	114	1	18	95	28	0	6	80	9	3	35	1	27
Thomas Twp.	274	1	51	222	0	0	102	172	14	2	104	1	68
Tittabawassee Twp.	234	0	39	195	0	0	116	117	8	1	82	0	64
Zilwaukee	43	0	7	36	32	0	0	11	0	1	3	0	7
Zilwaukee Twp.	51	1	12	38	40	0	10	0	4	2	4	1	24
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**5,555**	**18**	**996**	**4,541**	**651**	**0**	**1,867**	**3,021**	**192**	**41**	**1,148**	**18**	**1,427**

Saginaw County (continued)

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

Driver Age	2015		2016		2017		2018		2019	
	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	18	0	18	0	13	0	17	1	17	0
16 - 20	1,014	15	1,178	13	1,084	7	948	16	997	13
21 - 24	952	39	1,023	37	961	32	850	35	866	21
25 - 64	5,329	133	5,724	135	5,535	150	5,453	133	5,490	145
65 +	1,087	7	1,106	9	1,098	11	1,073	7	1,153	10
Unknown	454	2	520	0	460	0	477	0	484	0
Total	**8,854**	**196**	**9,569**	**194**	**9,151**	**200**	**8,818**	**192**	**9,007**	**189**





Saginaw County (continued)

2019 - 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	0	0	0	0	0	0	0
16 - 20	17	16	12	13	0	0	4	4	5
21 - 24	25	20	16	21	0	0	9	5	7
25 - 64	196	158	127	145	0	6	23	45	71
65 +	18	15	9	10	0	0	1	2	7
Unknown	18	0	0	0	0	0	0	0	0
Total	**275**	**210**	**164**	**189**	**0**	**6**	**37**	**56**	**90**

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

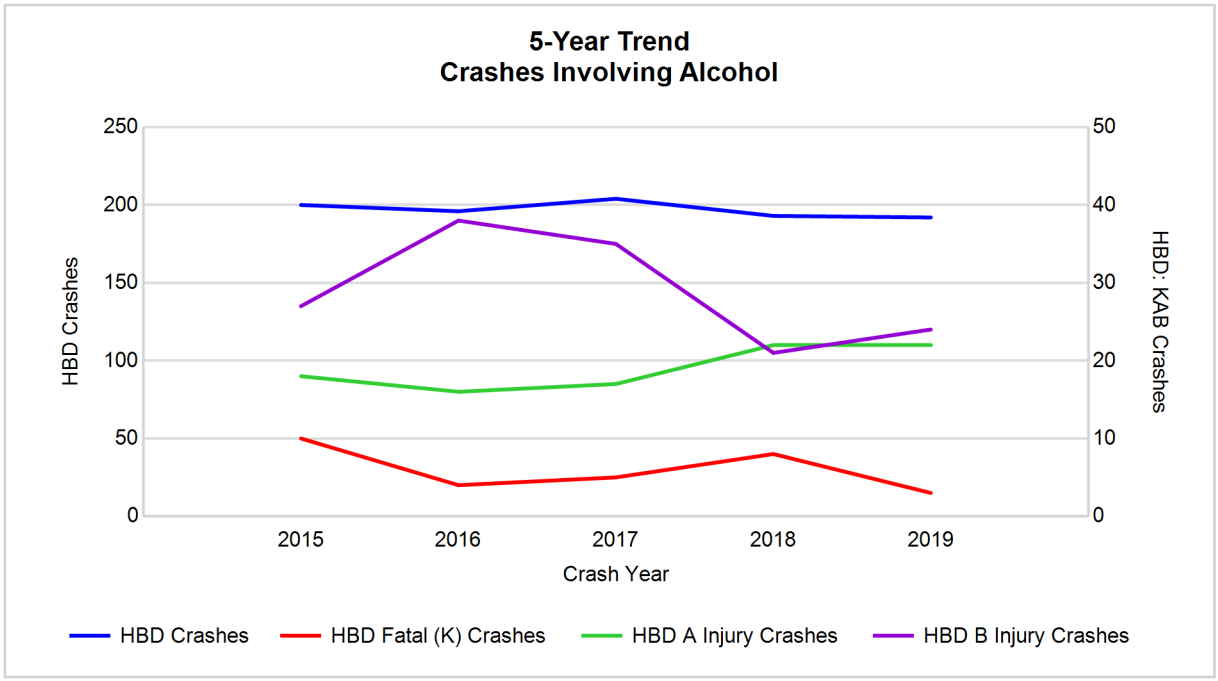
In 2019, there were 275 drivers in alcohol-involved crashes; 189 (68.7%) of those drivers were coded as had-been-drinking by the officer on the crash form.

- 93 (49.2%) of the 189 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 56 (60.2%) of the 93 drivers had a BAC at or above 0.17 g/dL.
- 164 (86.8%) of the 189 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
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
2019	5,555	192*	3.5	18	3*	16.7*	88	22	25.0**	241	24	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



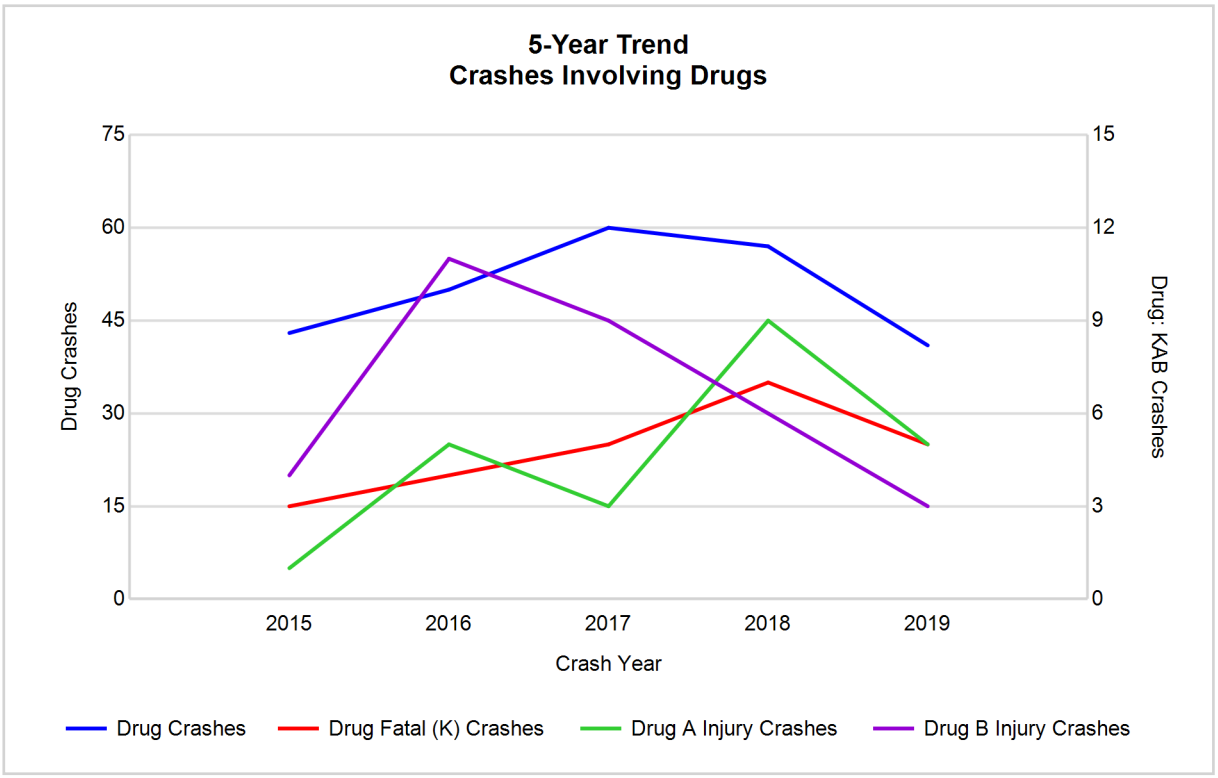
Note: Had-Been-Drinking (HBD)

Saginaw County (continued)

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
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
2019	5,555	41*	0.7*	18	5	27.8	88	5	5.7	241	3*	1.2*

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

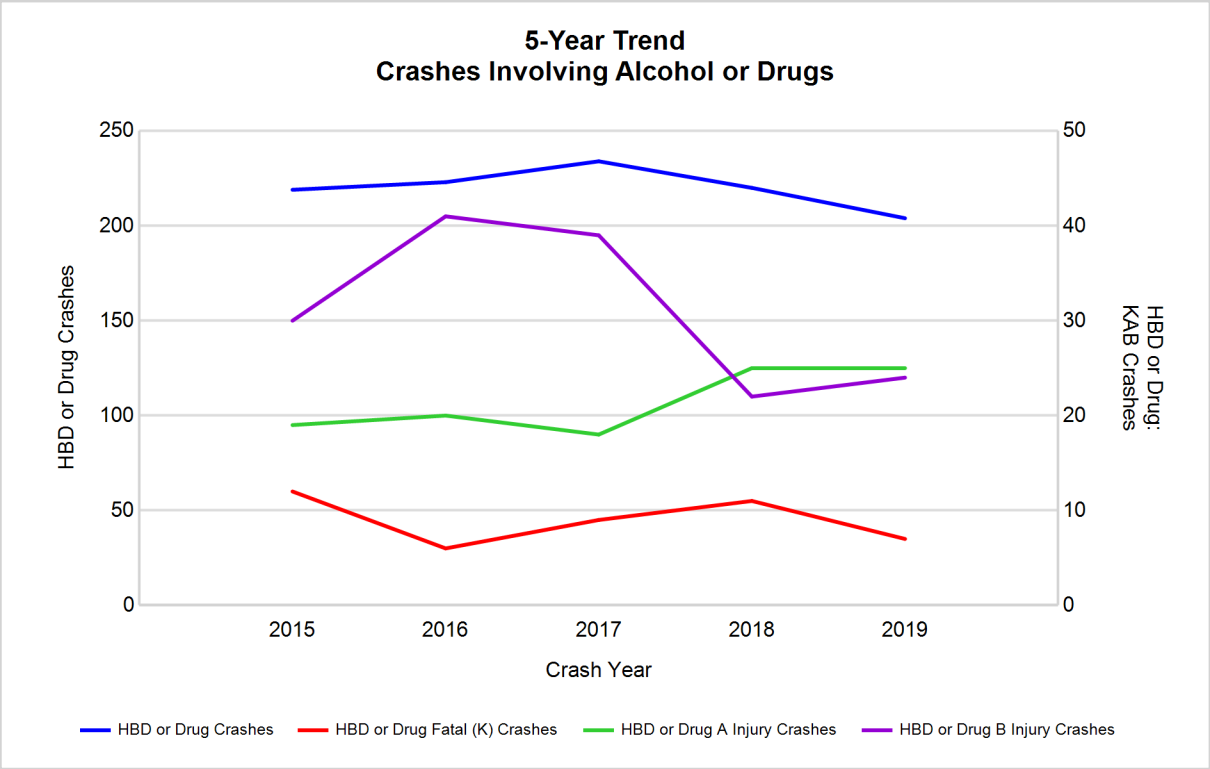


Saginaw County (continued)

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
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
2019	5,555	204*	3.7*	18	7	38.9*	88	25	28.4**	241	24	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)

Saginaw County (continued)

2019 - 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	7,452	6,930	93.0	8	5	62.5	77	61	79.2	233	211	90.6	846	808	95.5	5,992	5,845	97.5
Motor home	32	30	93.8	0	0	0.0	1	1	100.0	4	4	100.0	3	3	100.0	23	22	95.7
Pickup truck	1,429	1,333	93.3	5	4	80.0	17	12	70.6	42	35	83.3	95	92	96.8	1,223	1,190	97.3
Small truck under 10,000 lbs. GVWR	40	35	87.5	0	0	0.0	0	0	0.0	0	0	0.0	4	3	75.0	34	32	94.1
Motorcycle	61	33	54.1	3	0	0.0	16	7	43.8	15	11	73.3	10	6	60.0	17	9	52.9
Moped / goped	5	3	60.0	0	0	0.0	1	0	0.0	1	1	100.0	1	1	100.0	1	1	100.0
Go-cart / golf cart	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	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	2	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0
Other	32	26	81.3	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	26	23	88.5
Truck/bus over 10,000 lbs.	173	165	95.4	0	0	0.0	1	1	100.0	2	2	100.0	4	2	50.0	162	160	98.8
Unknown	151	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	**9,377**	**8,555**	**91.2**	**16**	**9**	**0.0**	**113**	**82**	**72.6**	**298**	**265**	**88.9**	**966**	**917**	**94.9**	**7,479**	**7,282**	**97.4**

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.

2019 - 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	119	107	89.9	0	0	0.0	8	6	75.0	22	21	95.5	74	68	91.9	15	12	80.0
16 - 20	1,046	1,018	97.3	0	0	0.0	7	5	71.4	38	33	86.8	112	106	94.6	886	874	98.6
21 - 24	892	861	96.5	1	1	100.0	11	6	54.5	33	29	87.9	91	88	96.7	754	737	97.7
25 - 64	5,637	5,392	95.7	10	4	40.0	72	51	70.8	155	136	87.7	564	530	94.0	4,820	4,671	96.9
65 +	1,199	1,174	97.9	5	4	80.0	15	14	93.3	49	45	91.8	125	125	100.0	1,001	986	98.5
Unknown	484	3	0.6	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	3	2	66.7
Total	**9,377**	**8,555**	**91.2**	**16**	**9**	**0.0**	**113**	**82**	**72.6**	**298**	**265**	**88.9**	**966**	**917**	**94.9**	**7,479**	**7,282**	**97.4**

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.

Saginaw County (continued)

5-Year Trend - Restraint Use Among Drivers

Restraint Use	2015			2016			2017			2018			2019		
	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	61	1	8	39	0	8	19	0	1	14	0	4	19	0	0
Shoulder belt only used	14	0	2	31	0	6	73	0	7	46	0	7	79	0	9
Lap belt only used	137	0	11	87	0	10	61	0	5	52	0	8	43	0	6
Both lap & shoulder belts used	7,787	4	861	8,522	5	938	8,131	6	863	7,887	8	905	8,065	6	900
No belts used	104	4	38	117	1	37	119	7	39	90	5	34	83	1	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	10	0	0	8	0	1	8	0	3	4	0	1	6	0	0
Restraint use unknown	310	1	35	428	0	13	679	0	43	668	3	28	649	0	23
Helmet worn	40	1	30	40	1	34	36	1	28	30	0	22	33	0	23
Helmet not worn	36	4	25	33	1	20	25	2	17	23	0	17	27	1	18
Helmet use unknown	4	1	3	9	0	6	0	0	0	4	0	2	3	1	1
Uncoded & errors	351	0	0	255	0	0	0	0	0	0	0	0	0	0	0
Total	**8,854**	**16**	**1,013**	**9,569**	**8**	**1,073**	**9,151**	**16**	**1,006**	**8,818**	**16**	**1,028**	**9,007**	**9**	**1,014**

5-Year Trend - Restraint Use Among Drivers Coded Drinking

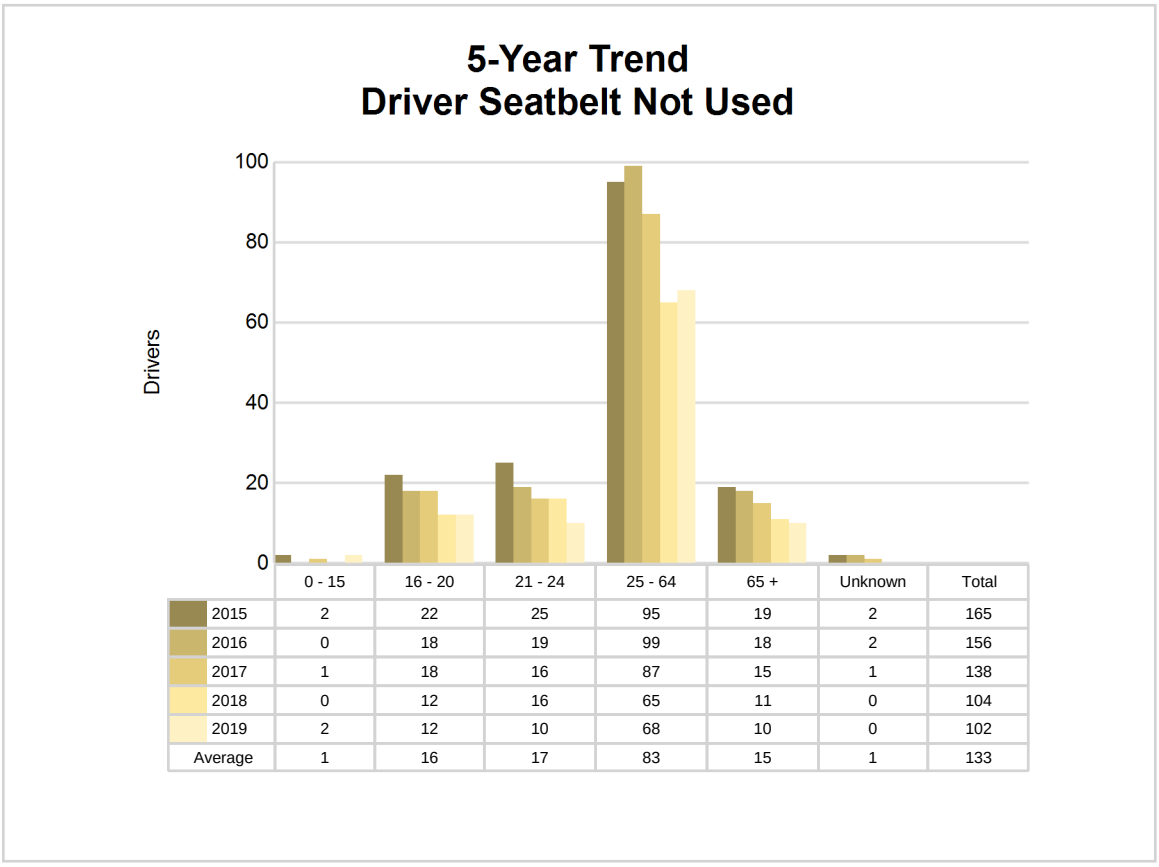
Restraint Use	2015			2016			2017			2018			2019		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0
Shoulder belt only used	0	0	0	3	0	1	4	0	2	2	0	0	3	0	0
Lap belt only used	3	0	2	1	0	1	0	0	0	1	0	1	3	0	2
Both lap & shoulder belts used	122	1	29	142	1	44	131	0	43	138	2	49	132	1	39
No belts used	20	3	14	13	1	8	18	3	13	11	2	7	13	0	12
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	10	25	0	3	41	0	15	37	0	10	34	0	9
Helmet worn	2	0	2	4	0	4	2	0	2	1	0	1	0	0	0
Helmet not worn	9	3	6	4	0	2	4	0	3	1	0	1	3	0	3
Helmet use unknown	2	0	2	1	0	1	0	0	0	1	0	1	0	0	0
Uncoded & errors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**196**	**8**	**66**	**194**	**2**	**65**	**200**	**3**	**78**	**192**	**4**	**70**	**189**	**1**	**65**

Saginaw County (continued)

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

Age Group	2015			2016			2017			2018			2019		
	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	2	0	0	0	1	0	0	0	0	0	2	0	0
16 - 20	22	0	5	18	0	5	18	0	7	12	0	4	12	0	6
21 - 24	25	1	9	19	0	7	16	1	6	16	1	9	10	0	5
25 - 64	95	4	23	99	1	25	87	5	26	65	3	23	68	1	20
65 +	19	0	6	18	0	8	15	1	1	11	1	2	10	0	3
Unknown	2	0	1	2	0	0	1	0	0	0	0	0	0	0	0
Total	**165**	**5**	**46**	**156**	**1**	**45**	**138**	**7**	**40**	**104**	**5**	**38**	**102**	**1**	**34**

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



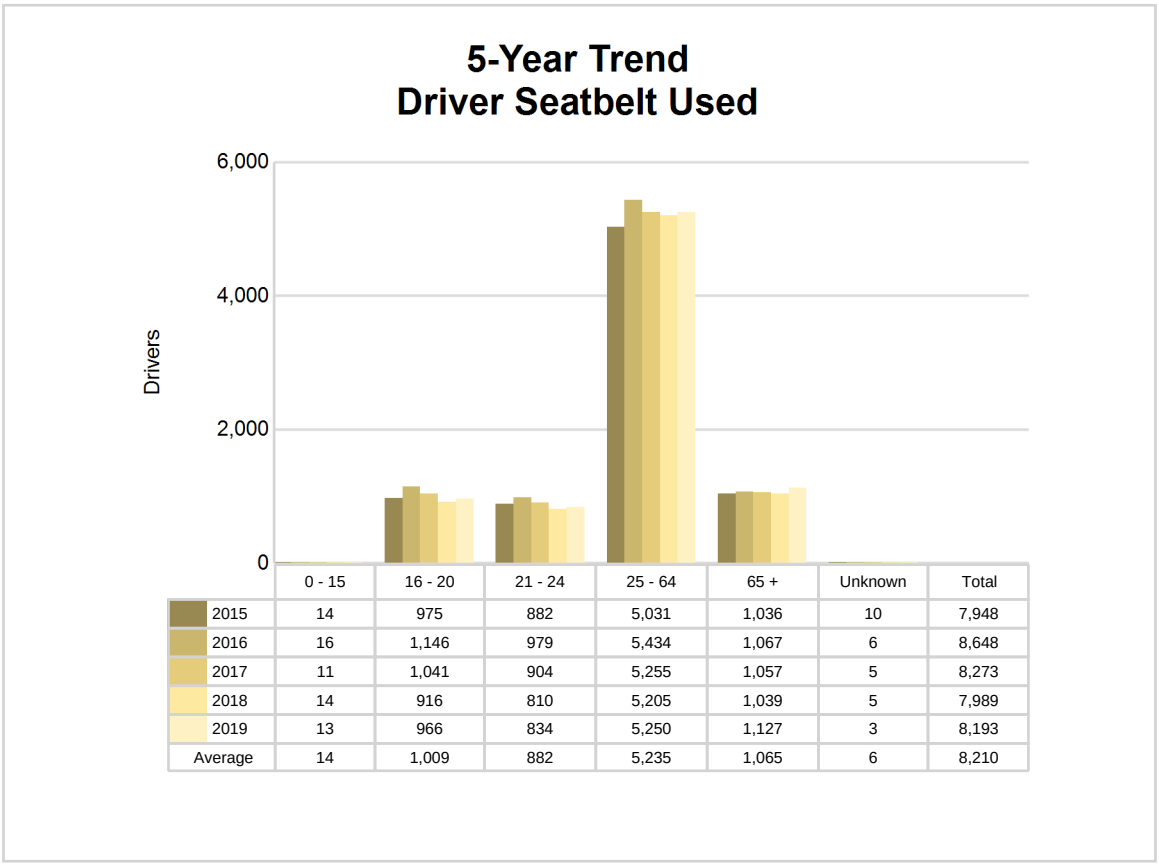
	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2015	2	22	25	95	19	2	165
2016	0	18	19	99	18	2	156
2017	1	18	16	87	15	1	138
2018	0	12	16	65	11	0	104
2019	2	12	10	68	10	0	102
Average	1	16	17	83	15	1	133

Saginaw County (continued)

5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2015			2016			2017			2018			2019		
	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	14	0	1	16	0	3	11	0	3	14	0	2	13	0	1
16 - 20	975	0	126	1,146	0	114	1,041	0	106	916	2	97	966	0	95
21 - 24	882	0	104	979	1	96	904	0	86	810	1	98	834	0	98
25 - 64	5,031	1	510	5,434	3	598	5,255	2	553	5,205	4	593	5,250	3	582
65 +	1,036	3	132	1,067	1	144	1,057	4	130	1,039	1	131	1,127	3	138
Unknown	10	0	1	6	0	0	5	0	0	5	0	0	3	0	1
Total	**7,948**	**4**	**874**	**8,648**	**5**	**955**	**8,273**	**6**	**878**	**7,989**	**8**	**921**	**8,193**	**6**	**915**

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



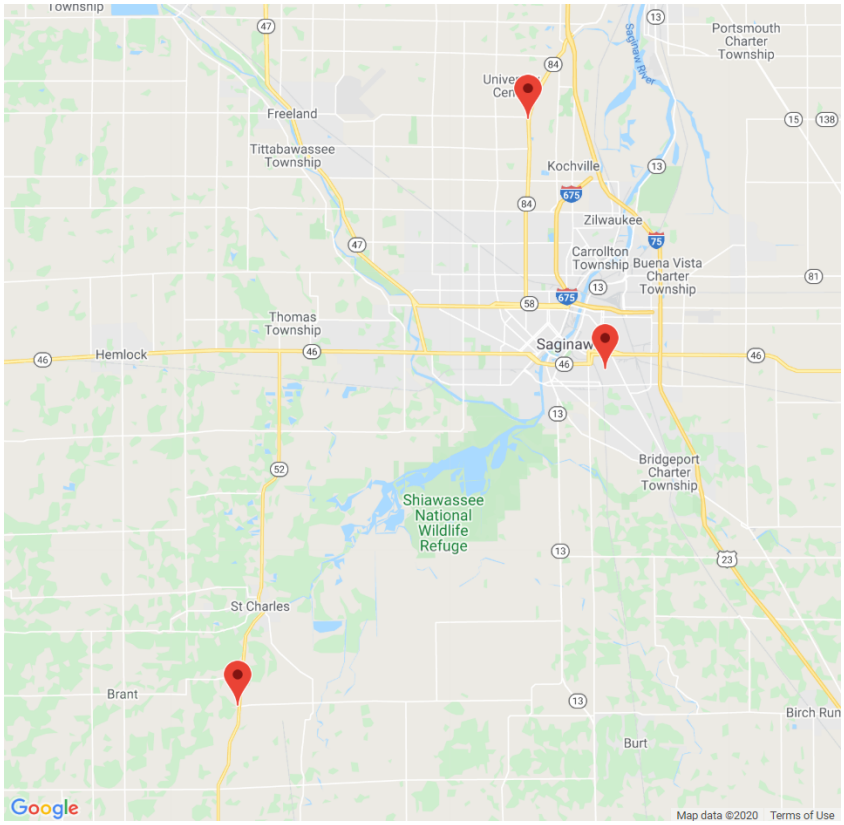
	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2015	14	975	882	5,031	1,036	10	7,948
2016	16	1,146	979	5,434	1,067	6	8,648
2017	11	1,041	904	5,255	1,057	5	8,273
2018	14	916	810	5,205	1,039	5	7,989
2019	13	966	834	5,250	1,127	3	8,193
Average	14	1,009	882	5,235	1,065	6	8,210

Saginaw County (continued)

5-Year Trend - Drivers in Crashes by Hazardous Action

Hazardous Action	2015		2016		2017		2018		2019	
	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	4,503	10	4,891	6	4,722	16	4,536	18	4,746	12
Speed too fast	686	8	727	3	617	2	702	1	700	3
Speed too slow	23	0	14	0	14	0	19	0	3	0
Failed to yield	886	1	906	1	873	4	864	3	861	3
Disregard traffic control	339	3	329	0	272	4	287	6	320	4
Drove wrong way	13	0	11	0	7	0	8	1	12	0
Drove left of center	52	1	43	1	50	3	52	3	51	3
Improper passing	37	0	54	1	53	0	51	1	44	0
Improper lane use	146	0	166	1	148	0	154	0	180	0
Improper turn	127	0	156	0	161	0	119	0	131	0
Improper/no signal	16	0	13	0	12	0	6	0	11	0
Improper backing	163	0	168	0	106	0	108	0	111	0
Unable to stop in assured clear distance	1,020	0	1,134	0	1,044	1	887	3	966	0
Other	365	2	385	1	388	2	323	2	300	1
Unknown	170	3	215	3	317	1	334	2	297	2
Reckless driving	59	0	57	1	46	2	55	0	46	0
Careless/negligent driving	246	0	291	1	321	1	313	3	228	1
Uncoded & errors	3	0	9	0	0	0	0	0	0	0
Total	**8,854**	**28**	**9,569**	**19**	**9,151**	**36**	**8,818**	**43**	**9,007**	**29**

Saginaw County (continued)



The picture above represents all 2019 alcohol-involved fatal crashes in Saginaw County.

In 2019, there were 192 alcohol-involved crashes in Saginaw County:

3	K - Fatal Crashes
22	A - Suspected Serious Injury Crashes
24	B - Suspected Minor Injury Crashes
31	C - Possible Injury Crashes
112	O - Property Damage Only/No Injury Crashes

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