MTCF
Michigan Traffic
Crash Facts

MICHIGAN

OHSP

Office of Highway Safety Planning

2018

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
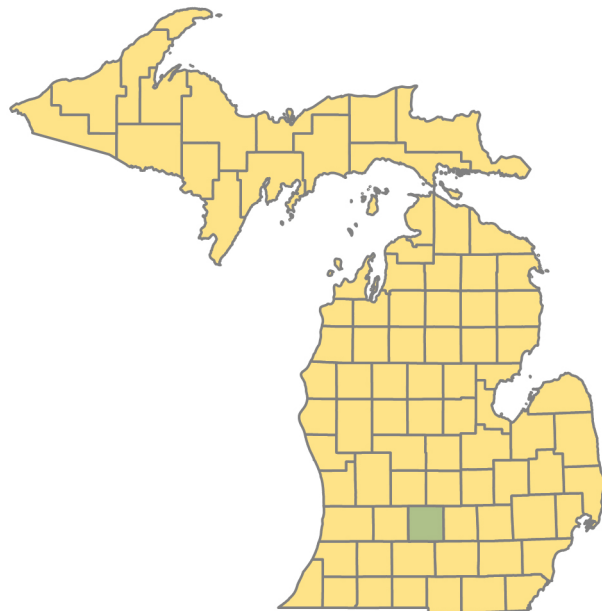B = Suspected Minor Injury
C = Possible Injury
O = No Injury
     Property Damage Only (PDO)

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Eaton 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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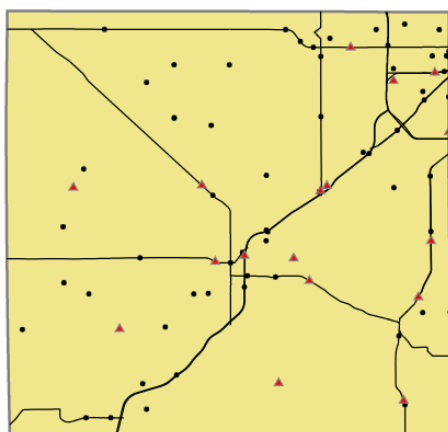
Crashes by most severe injury (mapped/actual)
▲ K - Fatal (17/17)
● A - Suspected Serious (62/62)

Eaton County

In 2018:

There were 4,947 drivers involved in 3,250 motor vehicle crashes in Eaton County. Of those crashes, 17 were classified as fatal, resulting in 22 fatalities. An additional 614 persons were injured.

Eaton County experienced the highest number of motor vehicle crashes (405) in November, the highest number of fatal crashes (5) and the highest number of persons killed (6) in August.

Michigan driver statistics indicate 6.1 percent of licensed drivers in Eaton County were age 16-20, and 10.6 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	346	2	40	304	2	53
February	268	0	33	235	0	43
March	256	1	32	223	3	50
April	221	0	31	190	0	42
May	230	2	30	198	2	40
June	255	0	35	220	0	54
July	203	1	40	162	2	57
August	191	5	39	147	6	50
September	239	3	46	190	4	69
October	342	3	47	292	3	64
November	405	0	45	360	0	60
December	294	0	25	269	0	32
Total	**3,250**	**17**	**443**	**2,790**	**22**	**614**

2018 - Driver Statistics

Age Group	Eaton County			Driver Rates	
	2018 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	19,809	563	14	7.1	248.7
16 - 20	6,922	5,032	525	758.5	1,043.3
21 - 24	5,589	4,927	452	808.7	917.4
25 - 64	57,102	53,245	3,173	555.7	595.9
65 +	20,404	18,700	593	290.6	317.1
Unknown	0	0	190	- -	- -
Total	**109,826**	**82,467**	**4,947**	**450.4**	**599.9**

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	4,028	81.4	17	58.6	642	3,369
Motor home	17	0.3	0	0.0	5	12
Pickup truck	613	12.4	6	20.7	74	533
Small truck under 10,000 lbs. GVWR	16	0.3	0	0.0	2	14
Motorcycle	19	0.4	3	10.3	13	3
Moped / goped	3	0.1	0	0.0	3	0
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	20	0.4	0	0.0	1	19
Truck/bus over 10,000 lbs.	160	3.2	3	10.3	21	136
Unknown	69	1.4	0	0.0	7	62
Total	**4,947**	**100.0**	**29**	**100.0**	**769**	**4,149**

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	500	1	361	1	382	0	339	1	346	2
February	289	1	276	1	307	0	218	1	268	0
March	263	0	216	2	227	2	292	2	256	1
April	201	1	190	1	193	2	217	0	221	0
May	234	1	229	0	243	0	252	0	230	2
June	222	2	222	0	256	2	245	0	255	0
July	182	0	239	3	201	0	188	2	203	1
August	169	1	168	2	219	0	209	2	191	5
September	204	2	211	0	259	1	230	0	239	3
October	332	0	369	3	320	2	372	3	342	3
November	438	0	444	0	360	1	378	1	405	0
December	349	0	341	0	401	0	424	0	294	0
Total	**3,383**	**9**	**3,266**	**13**	**3,368**	**10**	**3,364**	**12**	**3,250**	**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	457	0	460	2	443	1	490	3	486	2
Tuesday	490	3	508	2	502	0	498	2	500	2
Wednesday	492	0	486	2	532	2	522	1	505	3
Thursday	596	1	491	3	520	2	536	0	492	1
Friday	545	1	507	0	579	2	534	2	544	2
Saturday	452	2	455	1	437	2	452	4	375	4
Sunday	351	2	359	3	355	1	332	0	348	3
Total	**3,383**	**9**	**3,266**	**13**	**3,368**	**10**	**3,364**	**12**	**3,250**	**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
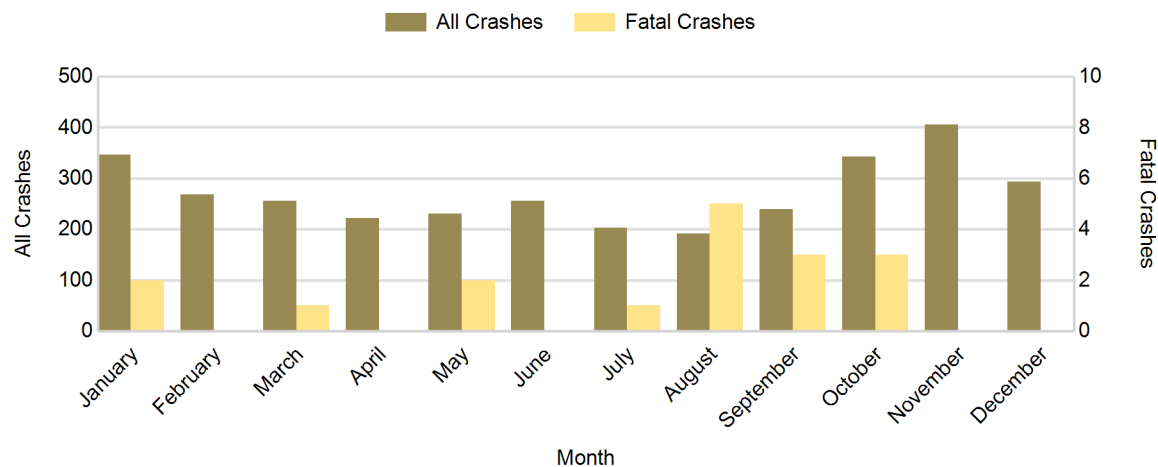
2018 - Crashes by Day of Week

Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Monday	486	15.0	2	11.8	9	19	31	425
Tuesday	500	15.4	2	11.8	4	32	35	427
Wednesday	505	15.5	3	17.6	8	21	37	436
Thursday	492	15.1	1	5.9	8	15	32	436
Friday	544	16.7	2	11.8	8	19	52	463
Saturday	375	11.5	4	23.5	12	13	32	314
Sunday	348	10.7	3	17.6	13	13	30	289
Total	**3,250**	**100.0**	**17**	**100.0**	**62**	**132**	**249**	**2,790**

2018 Day of Week and Severity

All Crashes   Fatal Crashes

Eaton County (continued)
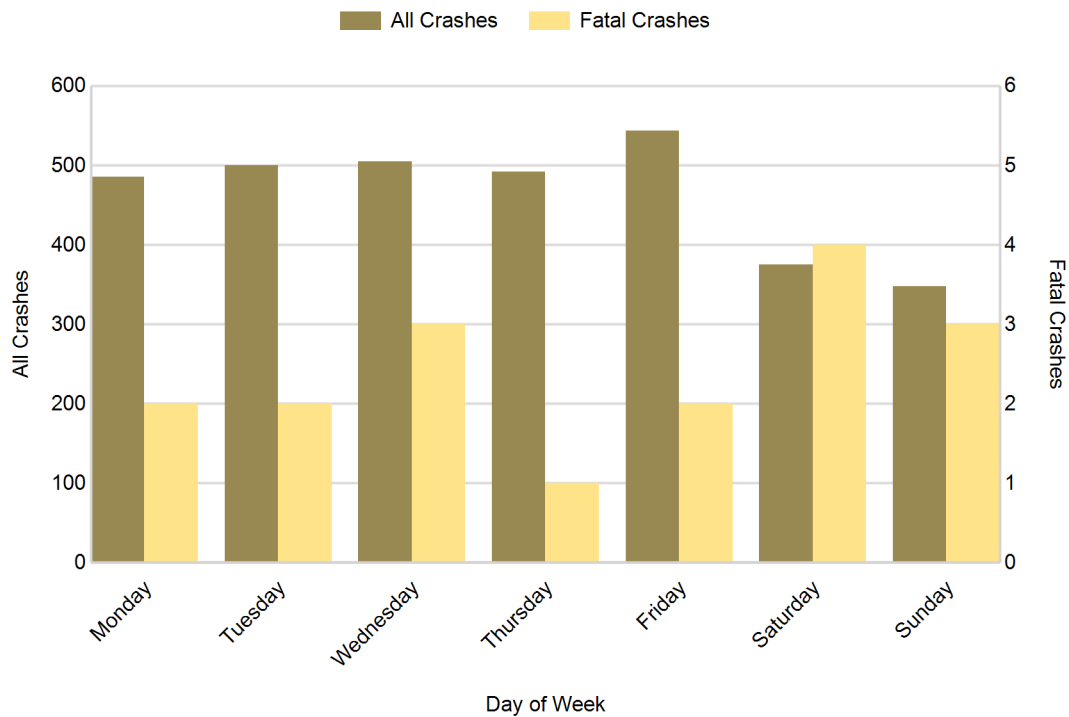
5-Year Trend - Crashes by Weekday and Weekend

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	2,580	5	2,452	9	2,576	7	2,580	8	2,527	10
Weekend	803	4	814	4	792	3	784	4	723	7
Total	**3,383**	**9**	**3,266**	**13**	**3,368**	**10**	**3,364**	**12**	**3,250**	**17**

5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)
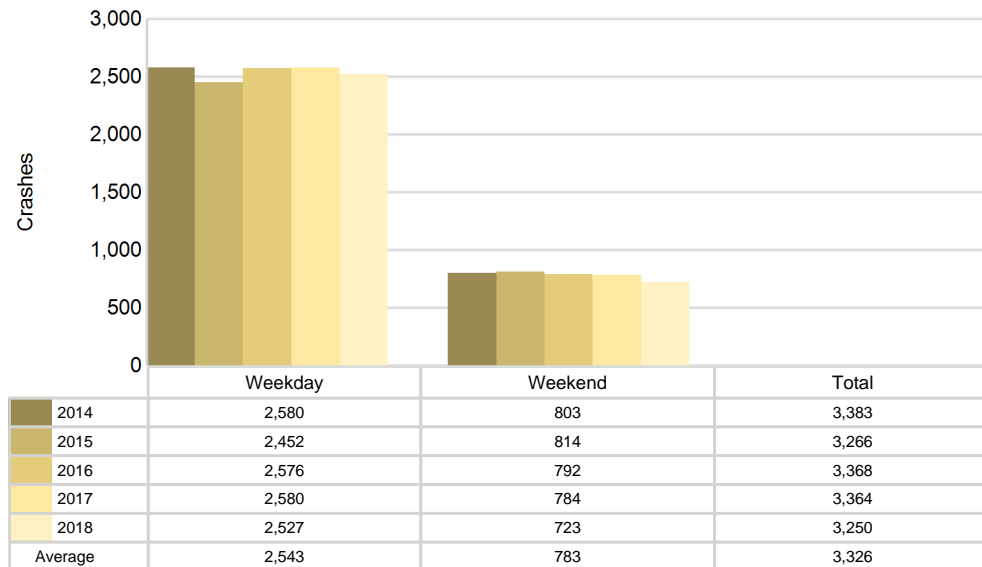
	Weekday	Weekend	Total
2014	2,580	803	3,383
2015	2,452	814	3,266
2016	2,576	792	3,368
2017	2,580	784	3,364
2018	2,527	723	3,250
Average	2,543	783	3,326

Eaton County (continued)

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	147	0	145	1	161	1	153	0	145	1
3:00 AM - 5:59 AM	184	0	163	1	192	0	197	1	225	1
6:00 AM - 8:59 AM	599	1	535	3	570	1	563	3	602	2
9:00 AM - 11:59 AM	387	2	338	1	330	1	342	2	345	0
Noon - 2:59 PM	485	1	497	1	535	2	487	2	444	2
3:00 PM - 5:59 PM	644 †	1	683 †	3	695 †	1	727 †	1	652 †	3
6:00 PM - 8:59 PM	581	3	563	2	549	1	568	2	521	5
9:00 PM - 11:59 PM	355	1	341	1	335	3	325	1	314	3
Unknown	1	0	1	0	1	0	2	0	2	0
Total	**3,383**	**9**	**3,266**	**13**	**3,368**	**10**	**3,364**	**12**	**3,250**	**17**

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 Time of Day**

	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
2014	147	184	599	387	485	644	581	355	1	3,383
2015	145	163	535	338	497	683	563	341	1	3,266
2016	161	192	570	330	535	695	549	335	1	3,368
2017	153	197	563	342	487	727	568	325	2	3,364
2018	145	225	602	345	444	652	521	314	2	3,250
Average	150	192	574	348	490	680	556	334	1	3,326

**5-Year Trend
Fatal Crashes by Time of Day**

	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
2014	0	0	1	2	1	1	3	1	0	9
2015	1	1	3	1	1	3	2	1	0	13
2016	1	0	1	1	2	1	1	3	0	10
2017	0	1	3	2	2	1	2	1	0	12
2018	1	1	2	0	2	3	5	3	0	17
Average	1	1	2	1	2	2	3	2	0	12

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	145	4.5	1	5.9	6	7	8	123
3:00 AM	- 5:59 AM	225	6.9	1	5.9	3	5	5	211
6:00 AM	- 8:59 AM	602	18.5	2	11.8	9	14	36	541
9:00 AM	- 11:59 AM	345	10.6	0	0.0	6	11	36	292
Noon	- 2:59 PM	444	13.7	2	11.8	10	26	32	374
3:00 PM	- 5:59 PM	652	20.1	3	17.6	13	30	67	539
6:00 PM	- 8:59 PM	521	16.0	5	29.4	8	26	42	440
9:00 PM	- 11:59 PM	314	9.7	3	17.6	7	13	23	268
Unknown		2	0.1	0	0.0	0	0	0	2
Total		**3,250**	**100.0**	**17**	**100.0**	**62**	**132**	**249**	**2,790**
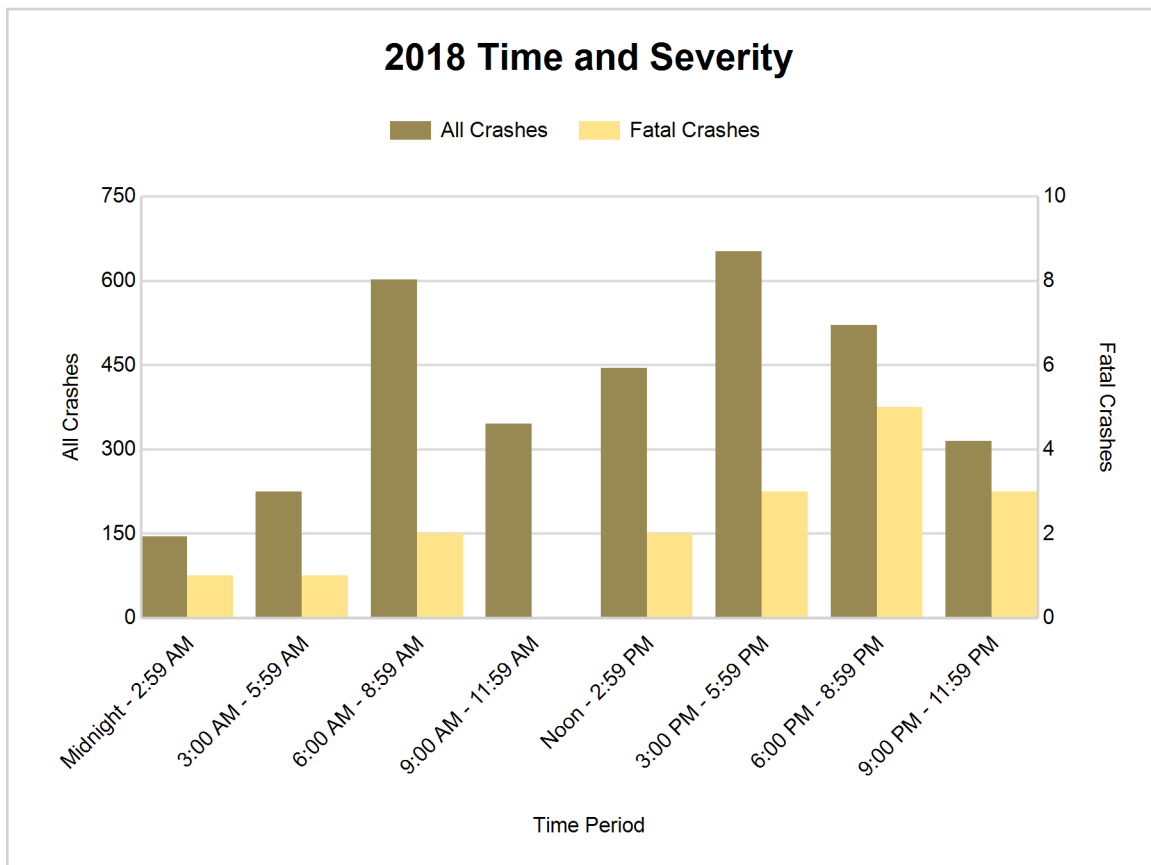
Eaton County (continued)

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	81	0	85	1	82	0	70	0	70	0
3:00 AM - 5:59 AM	108	0	103	0	114	0	117	0	143	0
6:00 AM - 8:59 AM	246	0	227	0	260	0	212	0	228	0
9:00 AM - 11:59 AM	50	0	55	0	40	0	39	0	39	0
Noon - 2:59 PM	33	0	30	0	30	0	28	0	30	0
3:00 PM - 5:59 PM	76	0	79	0	56	0	61	0	58	0
6:00 PM - 8:59 PM	280	0	291	0	234	0	240	0	237	0
9:00 PM - 11:59 PM	203	0	201	0	182	1	169	0	184	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	**1,077**	**0**	**1,071**	**1**	**998**	**1**	**936**	**0**	**989**	**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
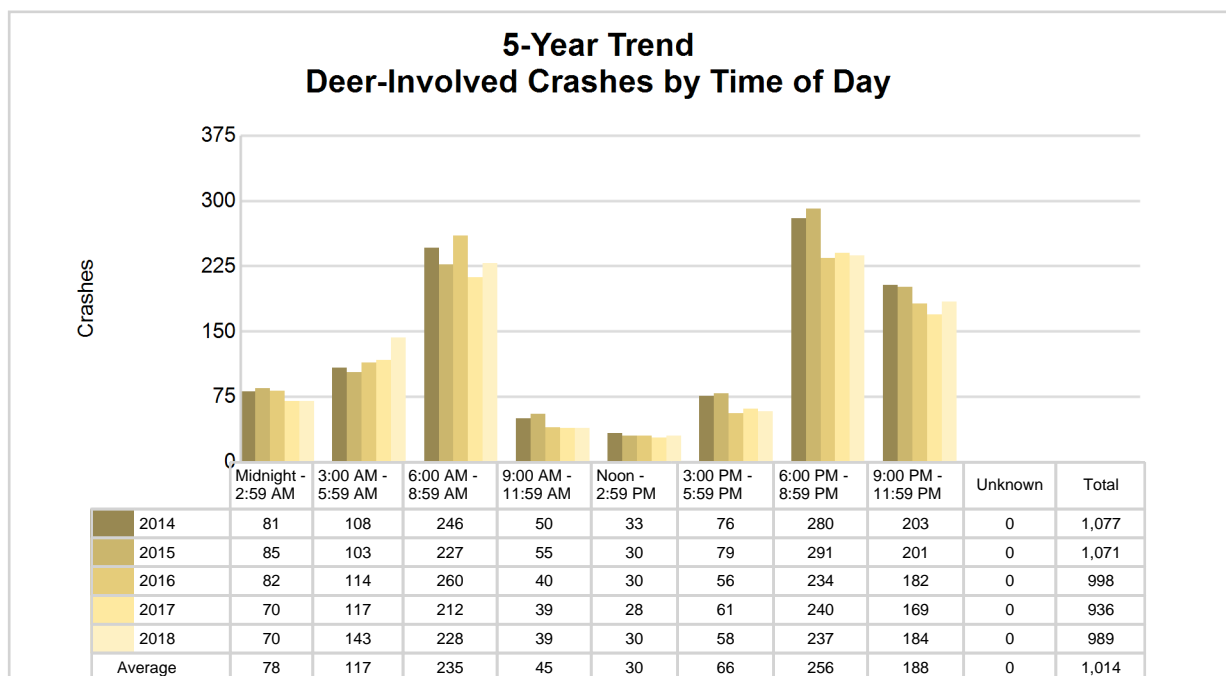## Deer-Involved Crashes by Time of Day

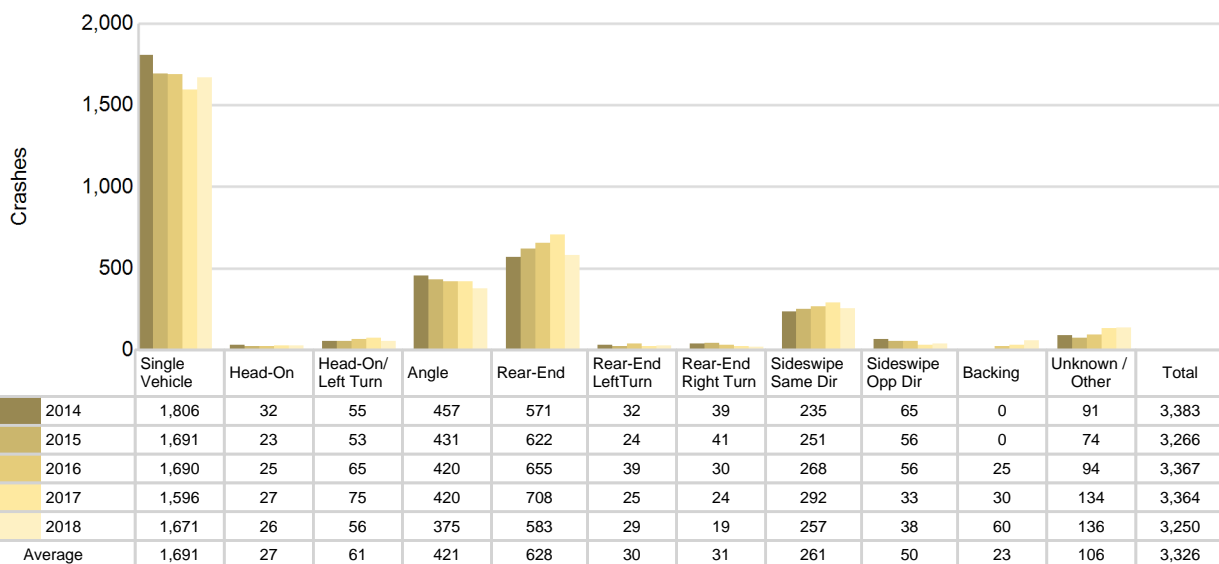|	Midnight - 2:59 AM	3:00 AM - 5:59 AM	6:00 AM - 8:59 AM	9:00 AM - 11:59 AM	Noon - 2:59 PM	3:00 PM - 5:59 PM	6:00 PM - 8:59 PM	9:00 PM - 11:59 PM	Unknown	Total
2014	81	108	246	50	33	76	280	203	0	1,077
2015	85	103	227	55	30	79	291	201	0	1,071
2016	82	114	260	40	30	56	234	182	0	998
2017	70	117	212	39	28	61	240	169	0	936
2018	70	143	228	39	30	58	237	184	0	989
Average	78	117	235	45	30	66	256	188	0	1,014

2018 Time and Severity of Deer-Involved Crashes
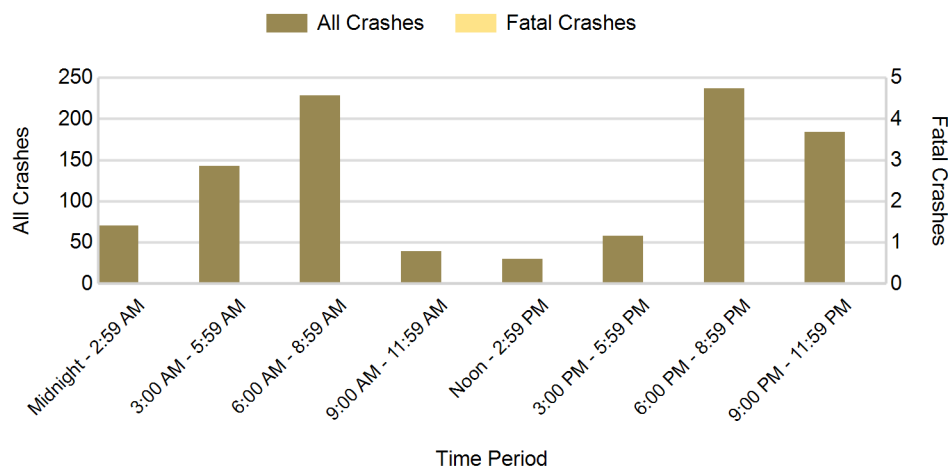
There were no fatal deer-involved crashes in Eaton County in 2018

Eaton County (continued)

5-Year Trend - Crashes by Crash Type

Crash Type	2014 Total Crashes	2014 Fatal Crashes	2015 Total Crashes	2015 Fatal Crashes	2016 Total Crashes	2016 Fatal Crashes	2017 Total Crashes	2017 Fatal Crashes	2018 Total Crashes	2018 Fatal Crashes
Single motor vehicle	1,806	3	1,691	6	1,690	9	1,596	7	1,671	7
Head-on	32	3	23	3	25	1	27	0	26	0
Head-on / left turn	55	0	53	1	65	0	75	1	56	1
Angle	457	3	431	2	420	0	420	2	375	5
Rear-end	571	0	622	1	655	0	708	1	583	0
Rear-end left turn	32	0	24	0	39	0	25	0	29	1
Rear-end right turn	39	0	41	0	30	0	24	0	19	0
Sideswipe same direction	235	0	251	0	268	0	292	0	257	0
Sideswipe opposite direction	65	0	56	0	56	0	33	0	38	0
Backing	0	0	0	0	25	0	30	0	60	1
Other / Unknown	91	0	74	0	94	0	134	1	136	2
Uncoded and Errors	0	0	0	0	1	0	0	0	0	0
Total	**3,383**	**9**	**3,266**	**13**	**3,368**	**10**	**3,364**	**12**	**3,250**	**17**

5-Year Trend
Crashes by Crash Type

	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
2014	1,806	32	55	457	571	32	39	235	65	0	91	3,383
2015	1,691	23	53	431	622	24	41	251	56	0	74	3,266
2016	1,690	25	65	420	655	39	30	268	56	25	94	3,367
2017	1,596	27	75	420	708	25	24	292	33	30	134	3,364
2018	1,671	26	56	375	583	29	19	257	38	60	136	3,250
Average	1,691	27	61	421	628	30	31	261	50	23	106	3,326

Eaton 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
Bellevue	9	0	1	8	0	0	6	3	0	0	0	0	1
Bellevue Twp.	64	0	10	54	6	0	22	36	1	0	38	0	13
Benton Twp.	121	0	13	108	30	0	25	66	4	0	72	0	15
Brookfield Twp.	33	1	2	30	0	0	0	33	1	0	26	1	4
Carmel Twp.	60	0	7	53	5	0	22	33	2	0	40	0	9
Charlotte	227	1	35	191	95	0	56	76	5	3	16	1	44
Chester Twp.	77	1	10	66	0	0	40	37	3	0	50	1	19
Delta Twp.	1,216	3	187	1,026	309	0	412	492	41	13	128	5	255
Dimondale	3	0	0	3	0	0	0	3	1	0	0	0	0
Eaton Rapids	71	0	5	66	0	0	42	28	3	1	8	0	7
Eaton Rapids Twp.	141	2	16	123	0	0	75	66	2	3	91	2	26
Eaton Twp.	162	3	24	135	43	0	34	85	8	3	66	3	39
Grand Ledge	121	0	13	108	0	0	83	37	7	1	9	0	18
Hamlin Twp.	122	1	11	110	0	0	49	73	7	1	76	2	15
Kalamo Twp.	72	0	9	63	0	0	32	40	2	2	53	0	11
Lansing	17	1	1	15	0	0	0	17	1	0	0	2	2
Mulliken	3	0	2	1	0	0	1	2	1	0	1	0	2
Olivet	18	0	6	12	0	0	0	18	1	0	0	0	7
Oneida Twp.	107	0	10	97	0	0	54	53	6	0	56	0	12
Potterville	53	2	15	36	8	0	24	21	2	5	12	2	26
Roxand Twp.	48	0	7	41	0	0	11	37	1	0	36	0	8
Sunfield	3	0	0	3	0	0	2	1	0	0	1	0	0
Sunfield Twp.	51	0	5	46	0	0	27	24	1	0	29	0	5
Vermontville	3	0	1	2	0	0	0	3	1	1	1	0	1
Vermontville Twp.	41	1	2	38	0	0	0	41	3	1	29	1	2
Walton Twp.	142	1	16	125	58	0	3	81	6	1	68	2	25
Windsor Twp.	265	0	35	230	116	0	48	101	8	3	83	0	48
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**3,250**	**17**	**443**	**2,790**	**670**	**0**	**1,068**	**1,507**	**118**	**38**	**989**	**22**	**614**

Eaton County (continued)

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	5	0	8	0	14	0
16 - 20	564	4	592	6	578	6	605	7	525	6
21 - 24	492	20	466	15	488	11	461	13	452	20
25 - 64	3,261	49	3,172	64	3,294	66	3,386	83	3,173	88
65 +	514	3	510	0	537	1	548	1	593	4
Unknown	199	0	201	0	248	1	241	0	190	0
Total	**5,047**	**76**	**4,950**	**85**	**5,150**	**85**	**5,249**	**104**	**4,947**	**118**

5-Year Trend
Total Drivers in Crashes by Age

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2014	17	564	492	3,261	514	199	5,047
2015	9	592	466	3,172	510	201	4,950
2016	5	578	488	3,294	537	248	5,150
2017	8	605	461	3,386	548	241	5,249
2018	14	525	452	3,173	593	190	4,947
Average	11	573	472	3,257	540	216	5,069

5-Year Trend
Total Drivers Coded Drinking by Age

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2014	0	4	20	49	3	0	76
2015	0	6	15	64	0	0	85
2016	0	6	11	66	1	1	85
2017	0	7	13	83	1	0	104
2018	0	6	20	88	4	0	118
Average	0	6	16	70	2	0	94
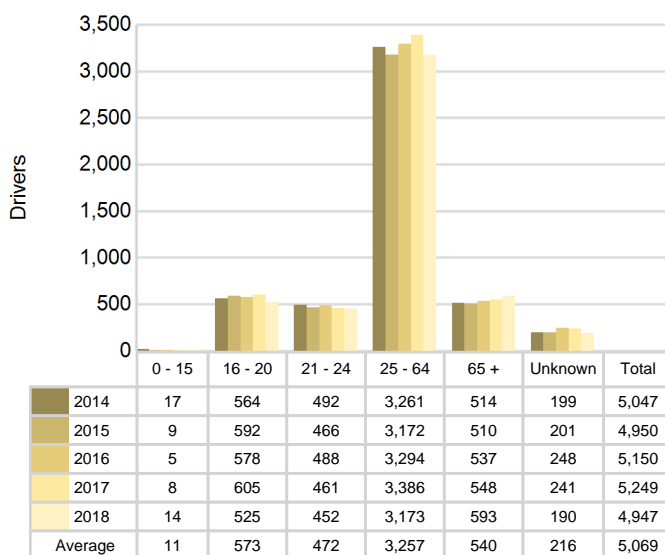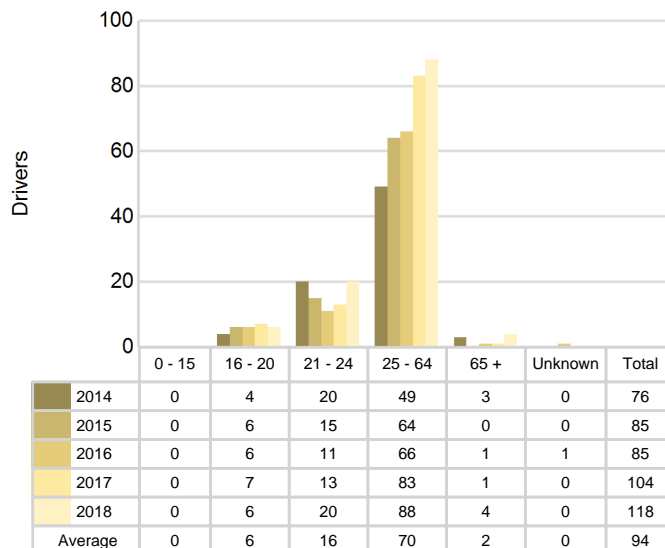
2018 - Bodily Alcohol Concentration (BAC) Results Among All Vehicle Drivers in Alcohol-Involved Crashes by Age

| 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	9	10	6	6	0	1	2	0	3
21 - 24	20	19	17	20	0	2	6	2	10
25 - 64	118	104	76	88	0	10	22	24	32
65 +	8	4	3	4	0	1	1	0	2
Unknown	3	0	0	0	0	0	0	0	0
Total	158	137	102	118	0	14	31	26	47

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 158 drivers in alcohol-involved crashes; 118 (74.7%) of those drivers were coded as had-been-drinking by the officer on the crash form.

- 57 (48.3%) of the 118 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 26 (45.6%) of the 57 drivers had a BAC at or above 0.17 g/dL.

- 102 (86.4%) of the 118 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	3,383	76	2.2	9	2	22.2	48	1	2.1	136	11	8.1
2015	3,266	85	2.6	13	3	23.1	33	2	6.1	137	12	8.8
2016	3,368	85	2.5	10	1	10.0	51	11	21.6	124	13	10.5
2017	3,364	102	3.0	12	4	33.3	56	6	10.7	150	20	13.3
2018	3,250*	118**	3.6**	17**	5**	29.4	62**	10	16.1	132	19	14.4**

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
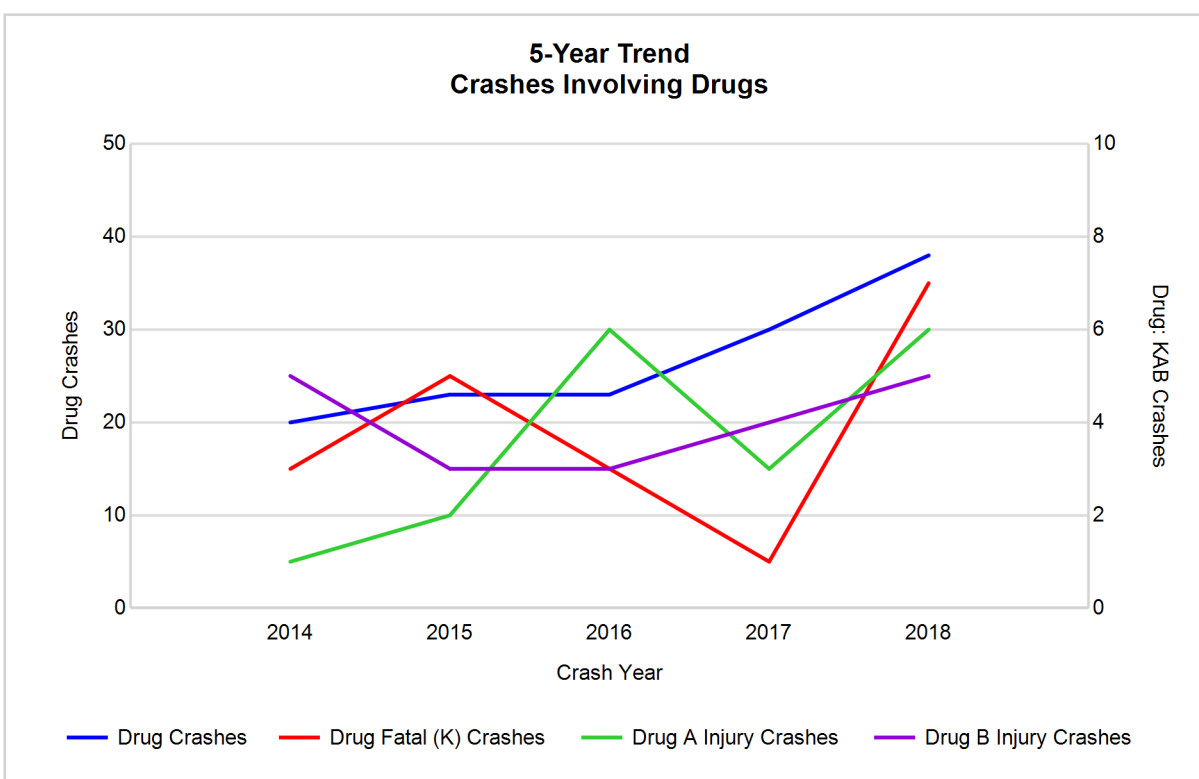

5-Year Trend
Crashes Involving Alcohol

Note: Had-Been-Drinking (HBD)

Eaton County (continued)
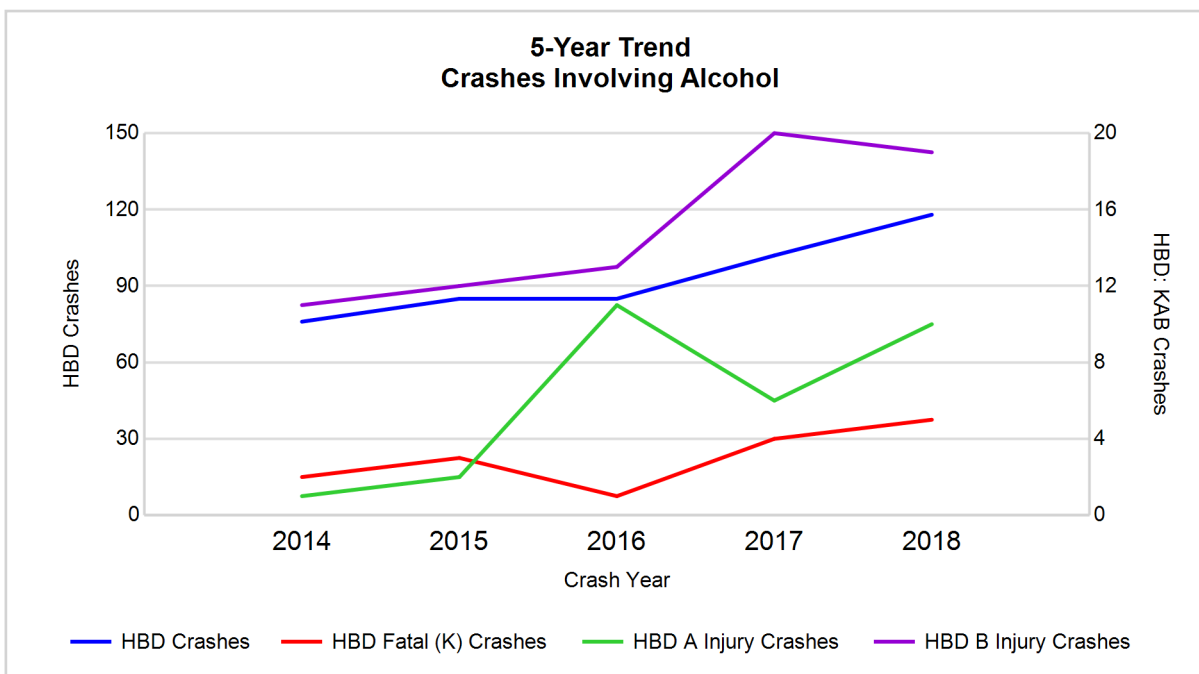
5-Year Trend - Crashes Involving Drugs

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
2014	3,383	20	0.6	9	3	33.3	48	1	2.1	136	5	3.7
2015	3,266	23	0.7	13	5	38.5	33	2	6.1	137	3	2.2
2016	3,368	23	0.7	10	3	30.0	51	6	11.8	124	3	2.4
2017	3,364	30	0.9	12	1	8.3	56	3	5.4	150	4	2.7
2018	3,250*	38**	1.2**	17**	7**	41.2**	62**	6	9.7	132	5	3.8**

Note: * Indicates that the most recent year is the lowest number or percentage reported in the 5-year period in that column

** Indicates that the most recent year is the highest number or percentage reported in the 5-year period in that column


5-Year Trend
Crashes Involving Drugs

Eaton 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
2014	3,383	87	2.6	9	4	44.4	48	2	4.2	136	14	10.3
2015	3,266	98	3.0	13	6	46.2	33	2	6.1	137	14	10.2
2016	3,368	95	2.8	10	4	40.0	51	12	23.5	124	15	12.1
2017	3,364	120	3.6	12	5	41.7	56	8	14.3	150	24	16.0
2018	3,250*	139**	4.3**	17**	10**	58.8**	62**	14**	22.6	132	23	17.4**

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

Note: Had-Been-Drinking (HBD)
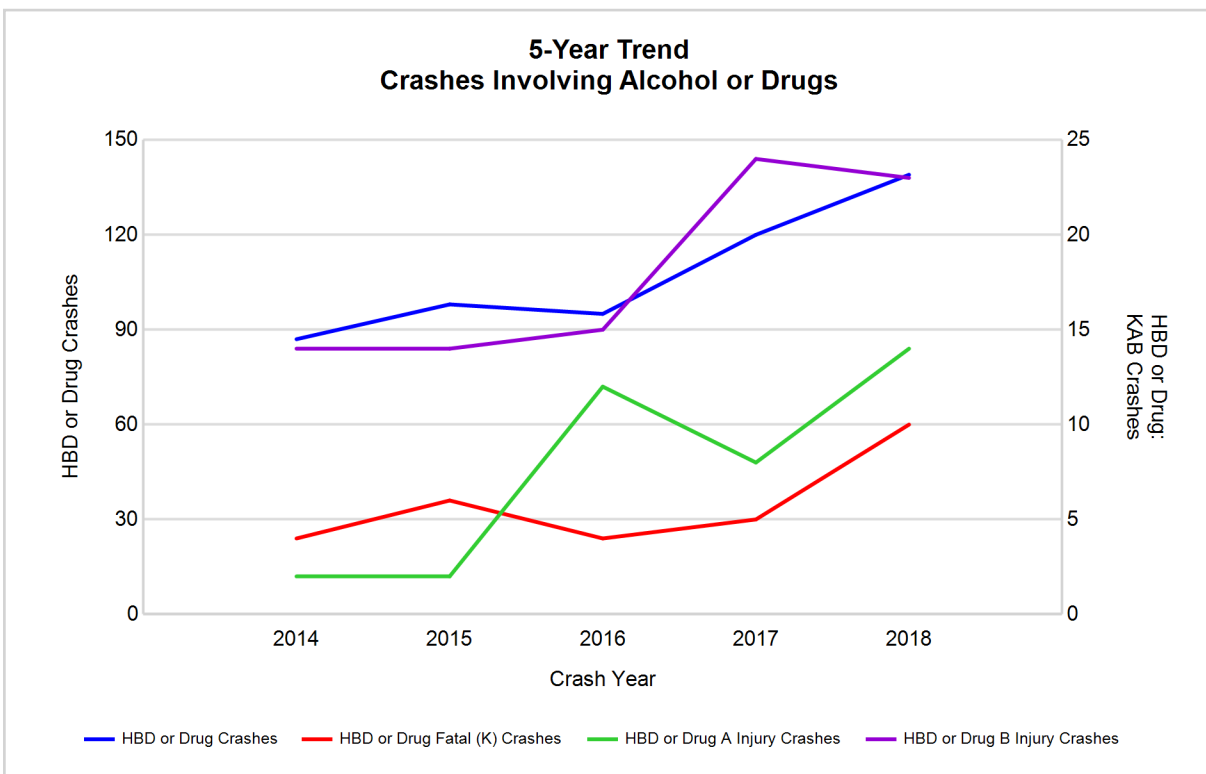
Eaton County (continued)

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	4,162	3,953	95.0	15	11	73.3	64	51	79.7	123	112	91.1	324	310	95.7	3,525	3,469	98.4
Motor home	17	17	100.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	15	15	100.0
Pickup truck	620	583	94.0	3	0	0.0	3	2	66.7	11	8	72.7	22	20	90.9	570	553	97.0
Small truck under 10,000 lbs. GVWR	17	15	88.2	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0	12	12	100.0
Motorcycle	21	13	61.9	3	2	66.7	6	2	33.3	8	5	62.5	1	1	100.0	3	3	100.0
Moped / goped	3	0	0.0	0	0	0.0	2	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0
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	3	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	2	0	0.0
Other	20	14	70.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	18	14	77.8
Truck/bus over 10,000 lbs.	161	155	96.3	0	0	0.0	0	0	0.0	2	2	100.0	4	4	100.0	152	149	98.0
Unknown	74	5	6.8	0	0	0.0	0	0	0.0	5	5	100.0	0	0	0.0	0	0	0.0
Total	**5,098**	**4,755**	**93.3**	**21**	**13**	**0.0**	**75**	**55**	**73.3**	**151**	**132**	**87.4**	**357**	**340**	**95.2**	**4,297**	**4,215**	**98.1**

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	50	42	84.0	0	0	0.0	2	1	50.0	11	8	72.7	23	22	95.7	14	11	78.6
16 - 20	548	530	96.7	0	0	0.0	15	11	73.3	21	19	90.5	40	37	92.5	471	463	98.3
21 - 24	466	448	96.1	1	0	0.0	3	1	33.3	19	17	89.5	33	30	90.9	410	400	97.6
25 - 64	3,229	3,131	97.0	13	9	69.2	46	33	71.7	78	68	87.2	212	203	95.8	2,875	2,818	98.0
65 +	615	604	98.2	7	4	57.1	9	9	100.0	22	20	90.9	49	48	98.0	527	523	99.2
Unknown	190	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	**5,098**	**4,755**	**93.3**	**21**	**13**	**0.0**	**75**	**55**	**73.3**	**151**	**132**	**87.4**	**357**	**340**	**95.2**	**4,297**	**4,215**	**98.1**

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.

Eaton County (continued)

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	18	0	2	28	0	1	30	0	1	4	0	1	7	0	1
Shoulder belt only used	4	0	2	2	0	0	11	0	2	19	0	3	25	0	2
Lap belt only used	9	0	3	5	1	1	9	0	1	7	0	2	4	1	0
Both lap & shoulder belts used	4,705	4	411	4,591	6	392	4,707	3	397	4,833	2	490	4,580	6	390
No belts used	29	1	11	31	1	14	25	1	11	18	4	4	23	4	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	1	0	0	1	0	0	3	0	0	1	0	0	2	0	0
Restraint use unknown	100	1	12	85	0	9	264	0	12	324	1	16	282	0	18
Helmet worn	15	0	13	27	3	16	26	0	21	24	1	17	12	2	7
Helmet not worn	9	0	6	10	0	8	11	1	7	17	0	13	11	0	9
Helmet use unknown	3	0	0	0	0	0	1	0	1	1	0	0	1	1	0
Uncoded & errors	154	0	0	170	0	0	63	0	0	1	0	0	0	0	0
Total	**5,047**	**6**	**460**	**4,950**	**11**	**441**	**5,150**	**5**	**453**	**5,249**	**8**	**546**	**4,947**	**14**	**439**

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	0	0	0
Shoulder belt only used	1	0	1	0	0	0	1	0	0	0	0	0	2	0	1
Lap belt only used	1	0	1	1	1	0	0	0	0	1	0	1	0	0	0
Both lap & shoulder belts used	58	1	9	69	2	15	59	1	20	69	0	21	85	1	30
No belts used	4	0	3	3	0	2	3	0	1	5	1	2	7	3	2
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	0	0	0
Restraint use unknown	9	0	6	12	0	3	20	0	3	27	1	10	23	0	9
Helmet worn	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Helmet not worn	2	0	2	0	0	0	2	0	2	2	0	2	0	0	0
Helmet use unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Uncoded & errors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**76**	**1**	**22**	**85**	**3**	**20**	**85**	**1**	**26**	**104**	**2**	**36**	**118**	**4**	**43**

Eaton County (continued)

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	4	0	1	1	0	0	0	0	0	0	0	0	0	0	0
16 - 20	7	1	1	4	0	0	5	0	2	1	1	0	3	0	1
21 - 24	4	0	3	4	0	2	6	0	2	1	0	0	4	1	1
25 - 64	24	0	7	43	1	13	34	1	5	17	3	5	19	2	9
65 +	6	0	1	4	0	0	8	0	3	3	0	0	4	1	2
Unknown	2	0	0	3	0	0	2	0	0	0	0	0	0	0	0
Total	**47**	**1**	**13**	**59**	**1**	**15**	**55**	**1**	**12**	**22**	**4**	**5**	**30**	**4**	**13**

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

5-Year Trend
Driver Seatbelt Not Used

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2014	4	7	4	24	6	2	47
2015	1	4	4	43	4	3	59
2016	0	5	6	34	8	2	55
2017	0	1	1	17	3	0	22
2018	0	3	4	19	4	0	30
Average	1	4	4	27	5	1	43

Eaton County (continued)
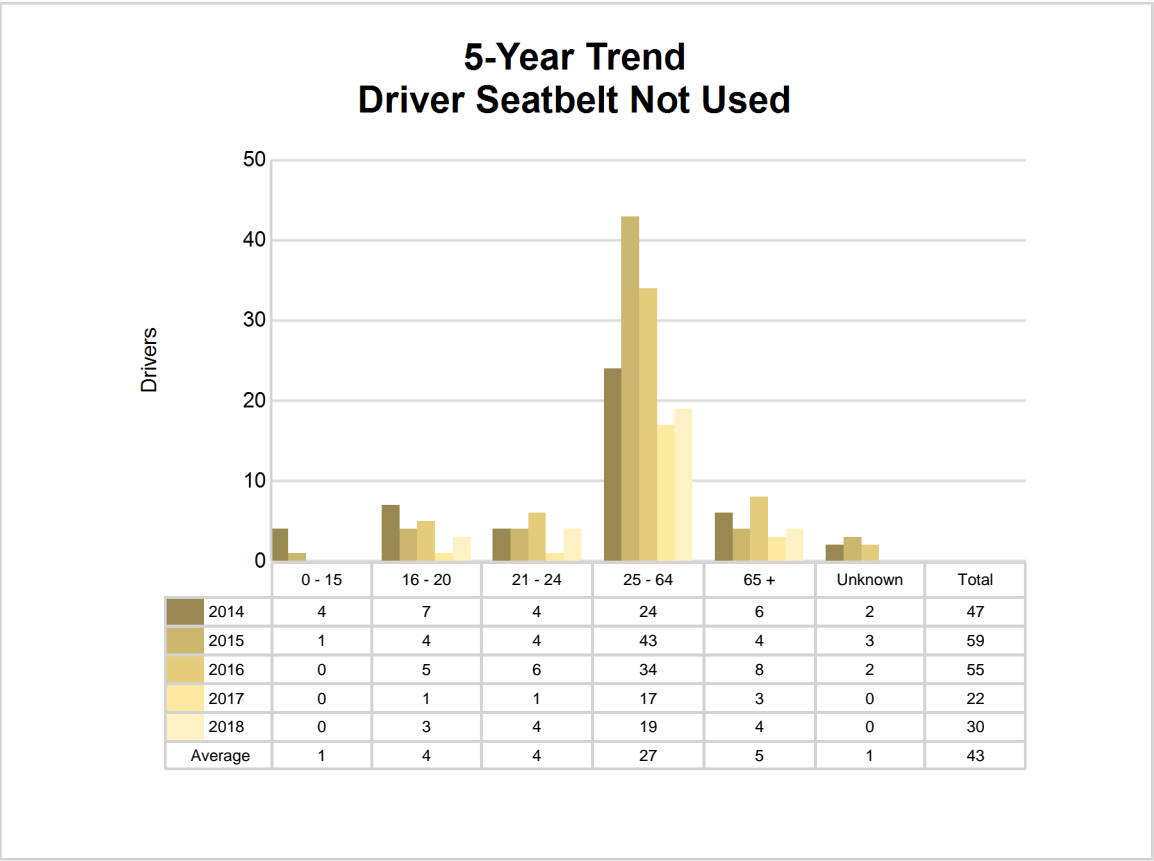
5-Year Trend - Seatbelt Used Among Drivers by Age

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	5	0	1	7	0	0	5	0	1	6	0	1	11	0	0
16 - 20	546	0	51	578	0	63	558	0	58	595	0	69	512	0	49
21 - 24	473	0	38	453	1	24	467	0	39	446	0	50	435	0	36
25 - 64	3,185	2	273	3,056	5	250	3,174	3	250	3,278	1	310	3,072	6	250
65 +	502	2	53	500	1	56	524	0	52	535	1	65	581	1	57
Unknown	8	0	0	5	0	0	2	0	0	0	0	0	0	0	0
Total	**4,719**	**4**	**416**	**4,599**	**7**	**393**	**4,730**	**3**	**400**	**4,860**	**2**	**495**	**4,611**	**7**	**392**

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

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2014	5	546	473	3,185	502	8	4,719
2015	7	578	453	3,056	500	5	4,599
2016	5	558	467	3,174	524	2	4,730
2017	6	595	446	3,278	535	0	4,860
2018	11	512	435	3,072	581	0	4,611
Average	7	558	455	3,153	528	3	4,704

Eaton County (continued)
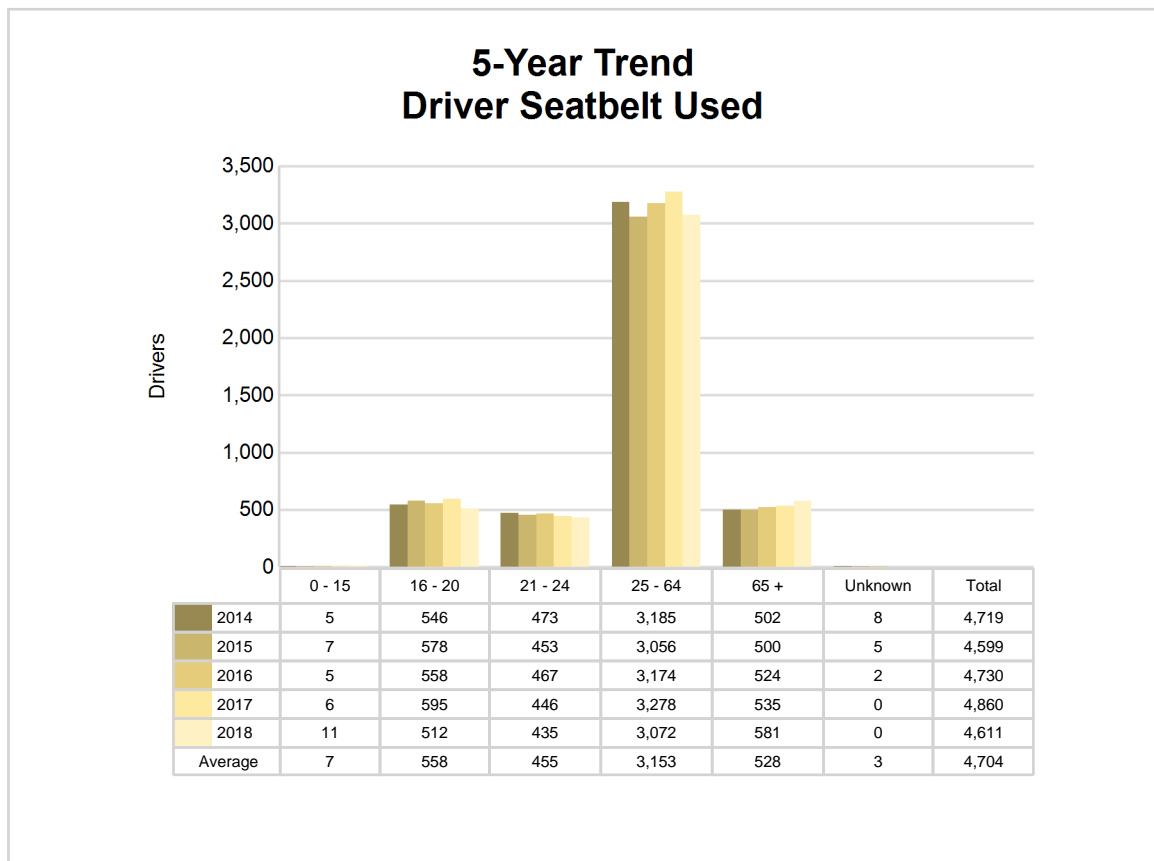
5-Year Trend - Drivers in Crashes by Hazardous Action

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	2,878	7	2,896	13	2,919	6	2,943	8	2,796	13
Speed too fast	599	2	430	4	454	5	454	3	446	3
Speed too slow	4	0	1	0	6	0	2	0	9	0
Failed to yield	517	1	488	2	485	0	494	3	489	4
Disregard traffic control	54	2	51	0	52	0	78	1	59	2
Drove wrong way	2	1	3	0	3	0	2	0	2	0
Drove left of center	24	2	15	1	27	0	14	0	23	0
Improper passing	17	0	28	0	22	0	23	0	24	0
Improper lane use	63	0	72	0	104	0	90	0	77	0
Improper turn	33	0	36	0	17	0	31	0	23	0
Improper/no signal	3	0	1	0	6	0	1	0	5	0
Improper backing	52	0	62	0	72	0	46	0	55	0
Unable to stop in assured clear distance	508	0	570	1	603	0	648	1	550	2
Other	117	0	125	1	123	0	133	1	153	0
Unknown	40	1	35	3	102	0	128	1	110	1
Reckless driving	22	0	15	0	8	0	31	0	18	2
Careless/negligent driving	111	0	120	1	144	0	130	0	108	2
Uncoded & errors	3	0	2	0	3	0	1	0	0	0
Total	**5,047**	**16**	**4,950**	**26**	**5,150**	**11**	**5,249**	**18**	**4,947**	**29**

Eaton County (continued)
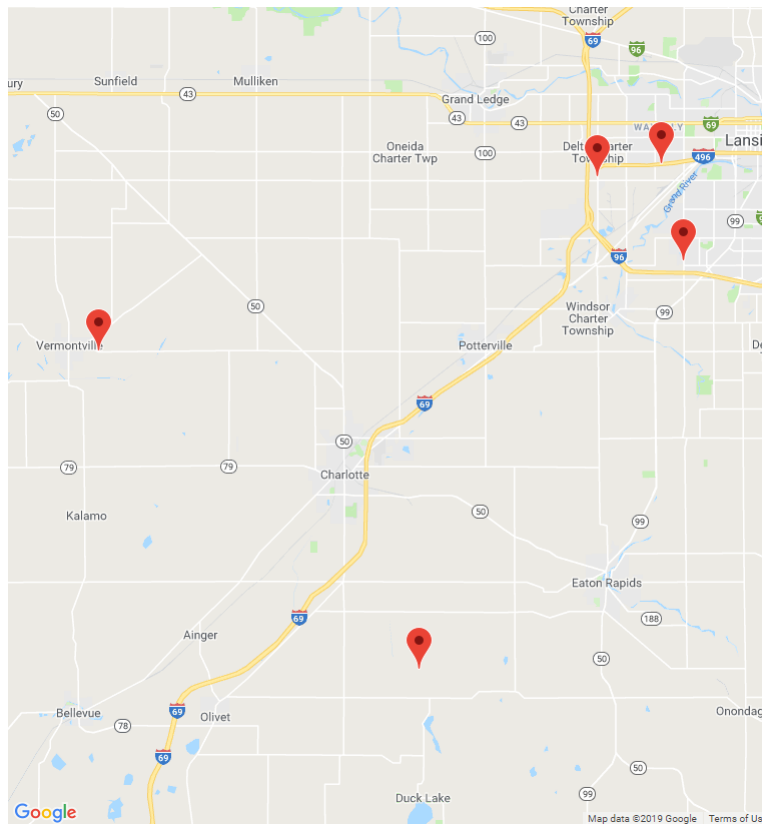
The picture above represents all 2018 alcohol-involved fatal crashes in Eaton County.

In 2018, there were 118 alcohol-involved crashes in Eaton County:

5   K - Fatal Crashes

10   A - Suspected Serious Injury Crashes

19   B - Suspected Minor Injury Crashes

19   C - Possible Injury Crashes

65   O - Property Damage Only/No Injury Crashes