



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

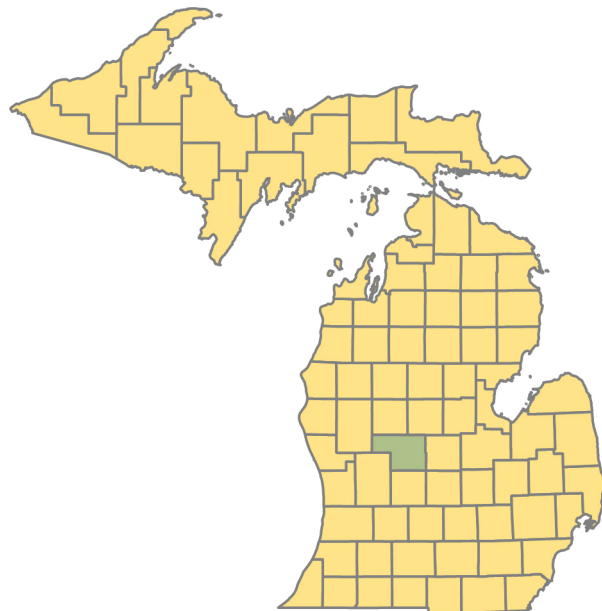
O = No Injury

Property Damage Only (PDO)



Montcalm County

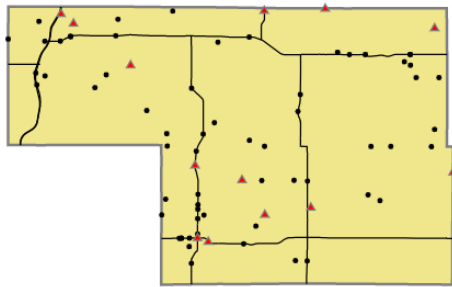
2018 Traffic Crash Data & 2014-2018 5-Year Trends



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 (13/13)
- A - Suspected Serious (63/63)

Montcalm County

In 2018:

There were 2,791 drivers involved in 2,163 motor vehicle crashes in Montcalm County. Of those crashes, 13 were classified as fatal, resulting in 14 fatalities. An additional 498 persons were injured.

Montcalm County experienced the highest number of motor vehicle crashes (259) in November, the highest number of fatal crashes (4) and the highest number of persons killed (4) in October.

Michigan driver statistics indicate 6.4 percent of licensed drivers in Montcalm County were age 16-20, and 12.0 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	227	0	26	201	0	42
February	152	1	18	133	2	33
March	146	0	28	118	0	34
April	144	2	25	117	2	35
May	146	0	33	113	0	40
June	166	1	33	132	1	47
July	165	0	39	126	0	54
August	124	1	28	95	1	46
September	163	1	30	132	1	40
October	249	4	29	216	4	53
November	259	2	30	227	2	41
December	222	1	24	197	1	33
Total	2,163	13	343	1,807	14	498

2018 - Driver Statistics

Age Group	Montcalm County			Driver Rates	
	2018 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	12,539	294	5	4.0	170.1
16 - 20	3,750	2,938	336	896.0	1,143.6
21 - 24	3,039	2,738	273	898.3	997.1
25 - 64	33,445	29,713	1,793	536.1	603.4
65 +	11,195	10,310	299	267.1	290.0
Unknown	0	0	85	- -	- -
Total	63,968	45,993	2,791	436.3	606.8

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	2,160	77.4	11	57.9	403	1,746
Motor home	6	0.2	0	0.0	0	6
Pickup truck	478	17.1	3	15.8	85	390
Small truck under 10,000 lbs. GVWR	15	0.5	0	0.0	4	11
Motorcycle	20	0.7	1	5.3	19	0
Moped / goped	2	0.1	0	0.0	2	0
Go-cart / golf cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.0	0	0.0	1	0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	4	0.1	0	0.0	3	1
Other	14	0.5	1	5.3	1	12
Truck/bus over 10,000 lbs.	65	2.3	3	15.8	13	49
Unknown	26	0.9	0	0.0	4	22
Total	2,791	100.0	19	100.0	535	2,237

Montcalm County (continued)

5-Year Trend - Crashes by Month

Month	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	231	0	214	1	215	0	208	1	227	0
February	192	1	167	0	182	0	130	1	152	1
March	153	4	134	1	138	0	164	2	146	0
April	121	0	125	0	125	0	125	1	144	2
May	156	0	152	1	155	1	163	2	146	0
June	150	0	170	0	160	0	194	2	166	1
July	135	0	157	1	141	3	162	4	165	0
August	112	1	124	0	121	0	131	0	124	1
September	126	0	154	1	151	1	159	0	163	1
October	243	1	228	0	228	0	246	3	249	4
November	358	2	258	0	292	0	253	2	259	2
December	179	0	149	1	233	0	287	1	222	1
Total	2,156	9	2,032	6	2,141	5	2,222	19	2,163	13

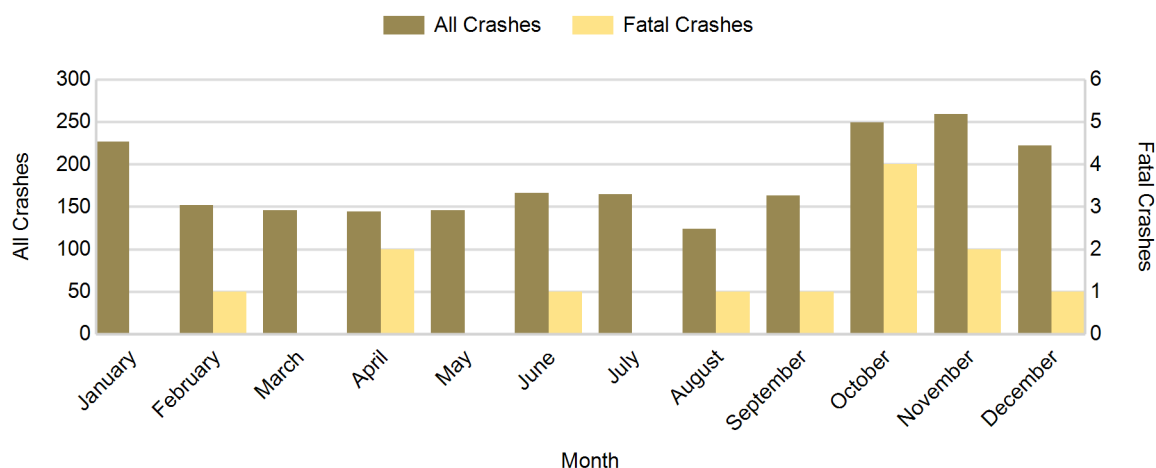
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

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	272	2	261	1	291	1	290	1	355	1
Tuesday	299	1	293	0	324	0	365	3	297	2
Wednesday	313	1	310	0	356	0	337	6	301	1
Thursday	316	0	275	1	302	0	311	2	302	1
Friday	376	2	303	2	311	2	361	1	382	4
Saturday	291	1	341	1	307	0	296	2	292	3
Sunday	289	2	249	1	250	2	262	4	234	1
Total	2,156	9	2,032	6	2,141	5	2,222	19	2,163	13

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

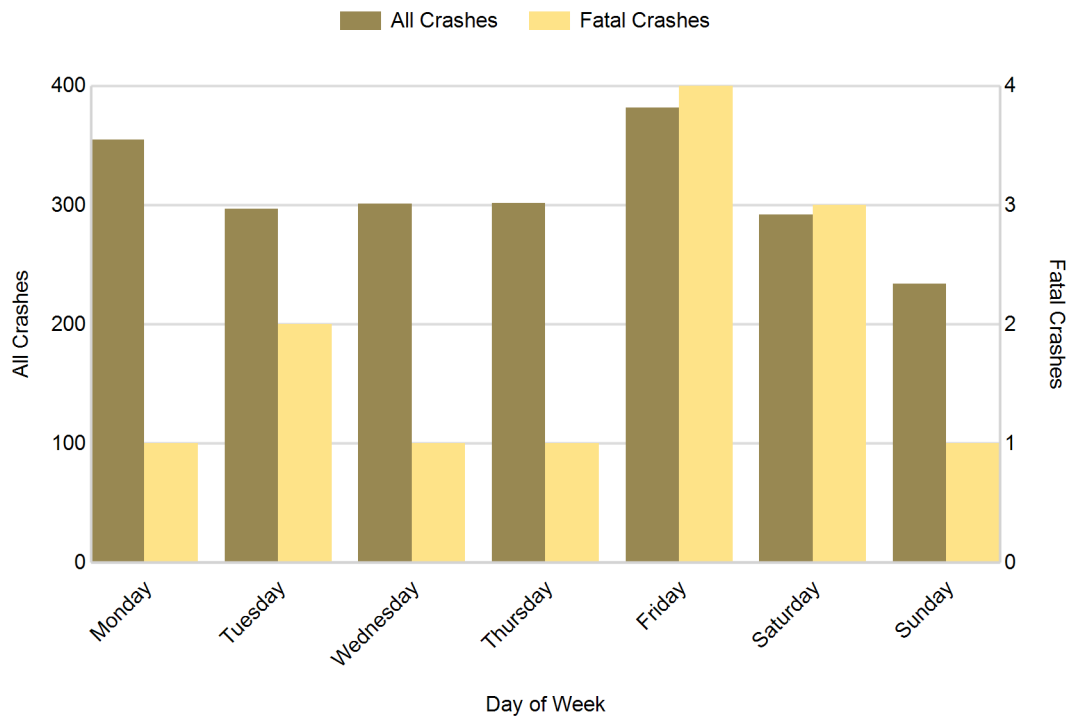
2018 Crashes by Month



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	355	16.4	1	7.7	10	18	33	293
Tuesday	297	13.7	2	15.4	13	11	23	248
Wednesday	301	13.9	1	7.7	5	10	25	260
Thursday	302	14.0	1	7.7	7	13	25	256
Friday	382	17.7	4	30.8	12	21	23	322
Saturday	292	13.5	3	23.1	9	16	27	237
Sunday	234	10.8	1	7.7	7	16	19	191
Total	2,163	100.0	13	100.0	63	105	175	1,807

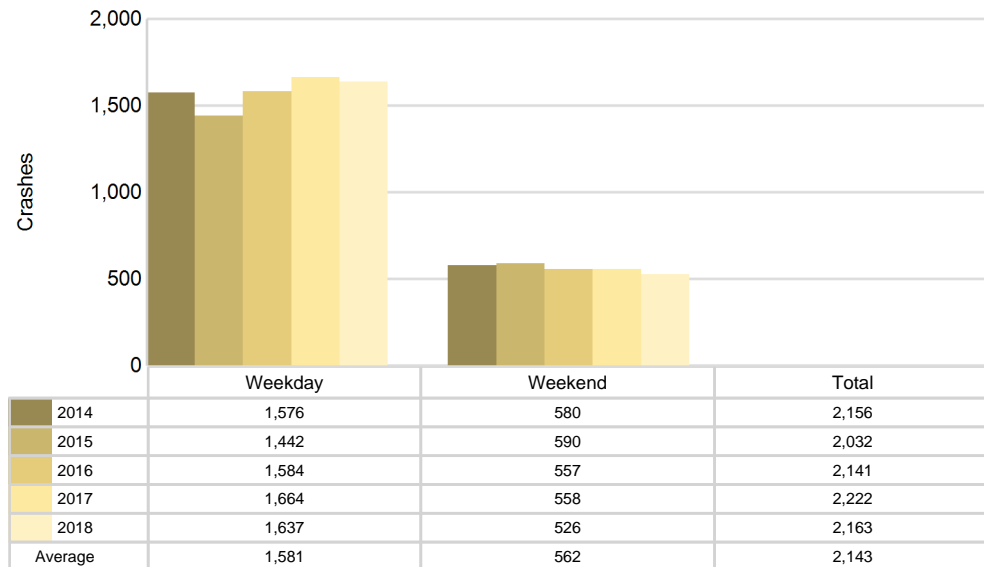
2018 Day of Week and Severity



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	1,576	6	1,442	4	1,584	3	1,664	13	1,637	9
Weekend	580	3	590	2	557	2	558	6	526	4
Total	2,156	9	2,032	6	2,141	5	2,222	19	2,163	13

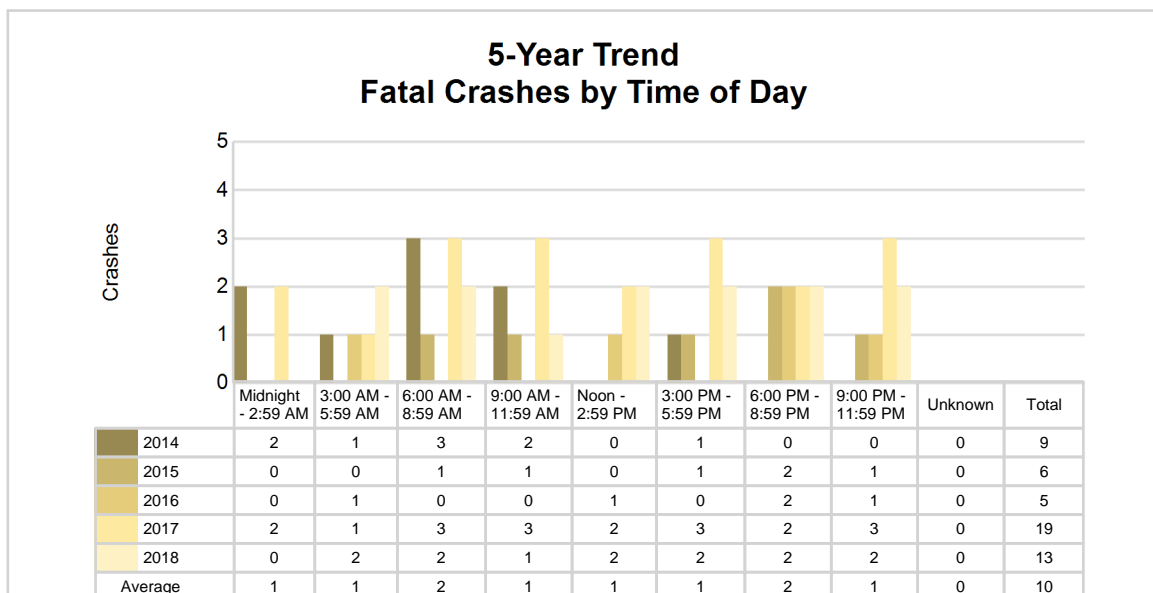
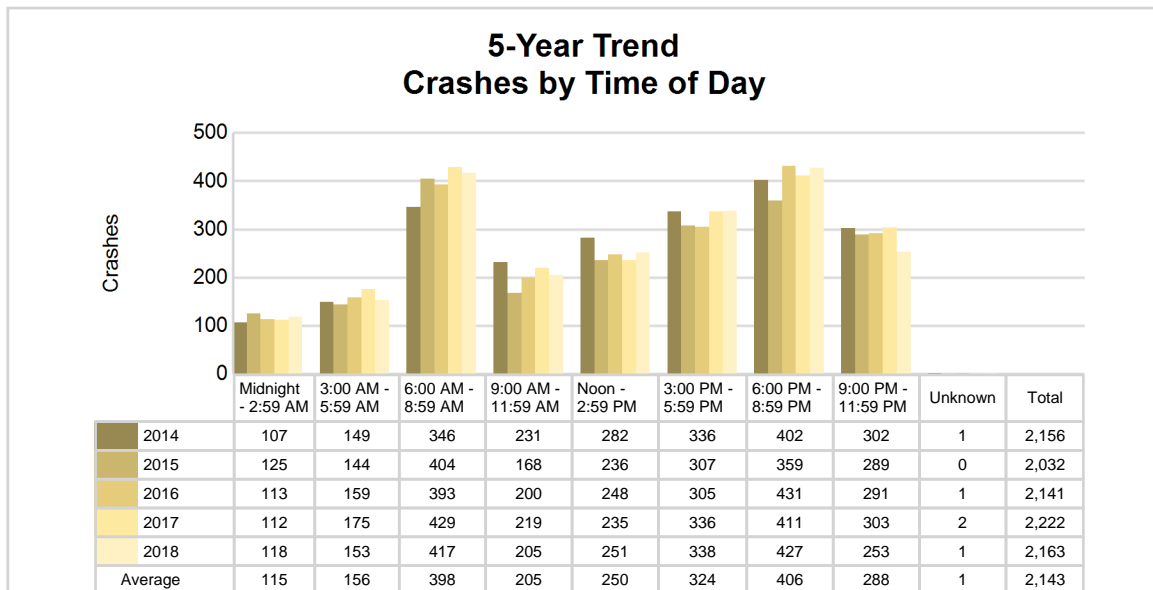
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

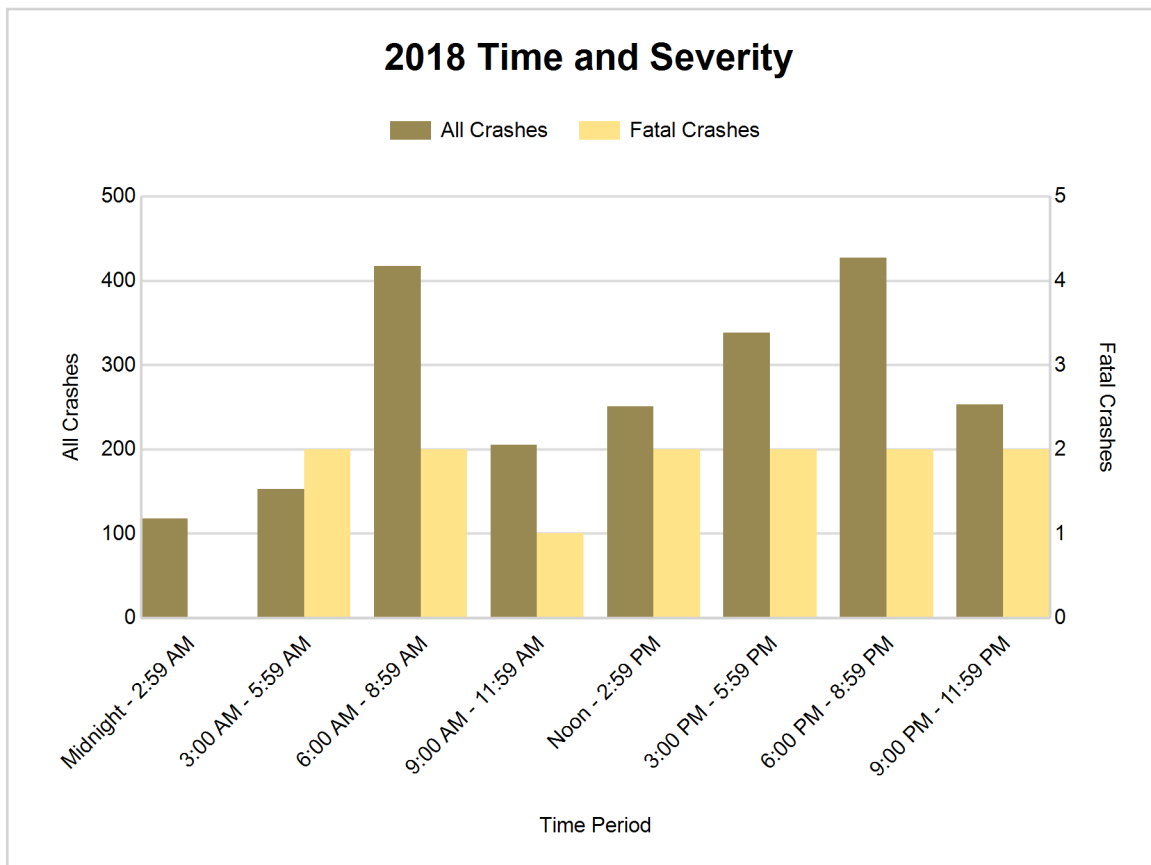
Time of Day	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	107	2	125	0	113	0	112	2	118	0
3:00 AM - 5:59 AM	149	1	144	0	159	1	175	1	153	2
6:00 AM - 8:59 AM	346	3	404	1	393	0	429	3	417	2
9:00 AM - 11:59 AM	231	2	168	1	200	0	219	3	205	1
Noon - 2:59 PM	282	0	236	0	248	1	235	2	251	2
3:00 PM - 5:59 PM	336	1	307	1	305	0	336	3	338	2
6:00 PM - 8:59 PM	402	0	359	2	431	2	411	2	427	2
9:00 PM - 11:59 PM	302	0	289	1	291	1	303	3	253	2
Unknown	1	0	0	0	1	0	2	0	1	0
Total	2,156	9	2,032	6	2,141	5	2,222	19	2,163	13

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

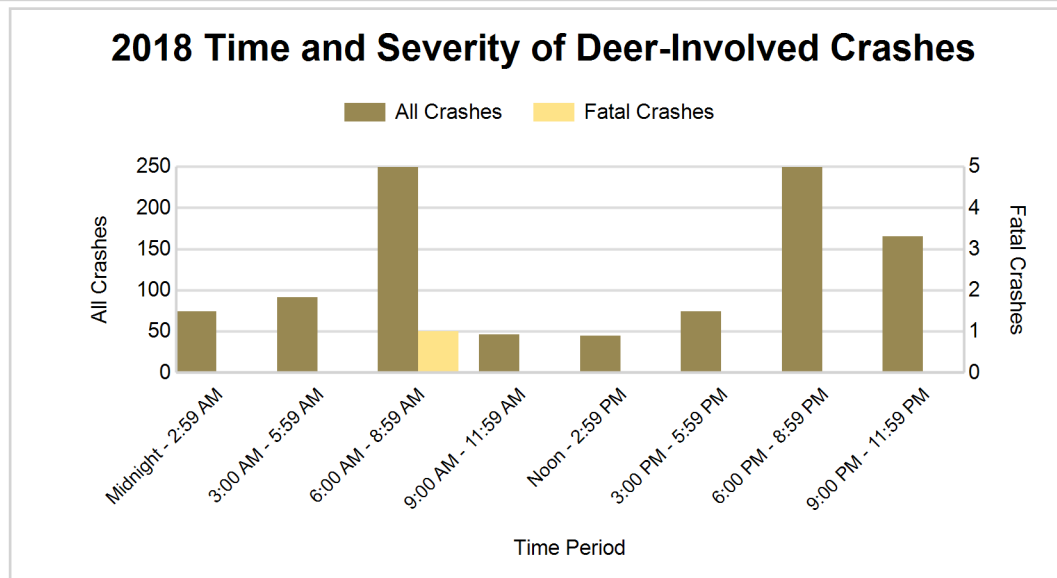
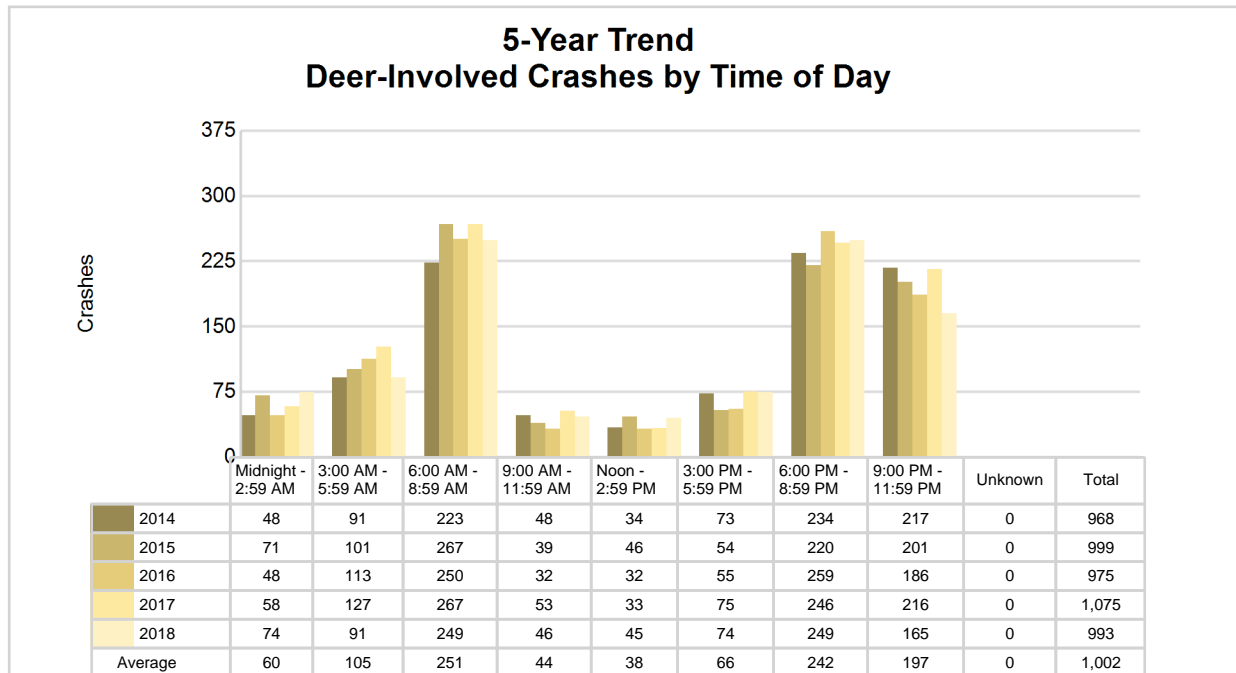
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	118	5.5	0	0.0	2	6	7	103
3:00 AM - 5:59 AM	153	7.1	2	15.4	3	6	6	136
6:00 AM - 8:59 AM	417	19.3	2	15.4	8	13	21	373
9:00 AM - 11:59 AM	205	9.5	1	7.7	5	12	30	157
Noon - 2:59 PM	251	11.6	2	15.4	10	20	42	177
3:00 PM - 5:59 PM	338	15.6	2	15.4	11	20	40	265
6:00 PM - 8:59 PM	427	19.7	2	15.4	17	17	21	370
9:00 PM - 11:59 PM	253	11.7	2	15.4	7	11	8	225
Unknown	1	0.0	0	0.0	0	0	0	1
Total	2,163	100.0	13	100.0	63	105	175	1,807



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

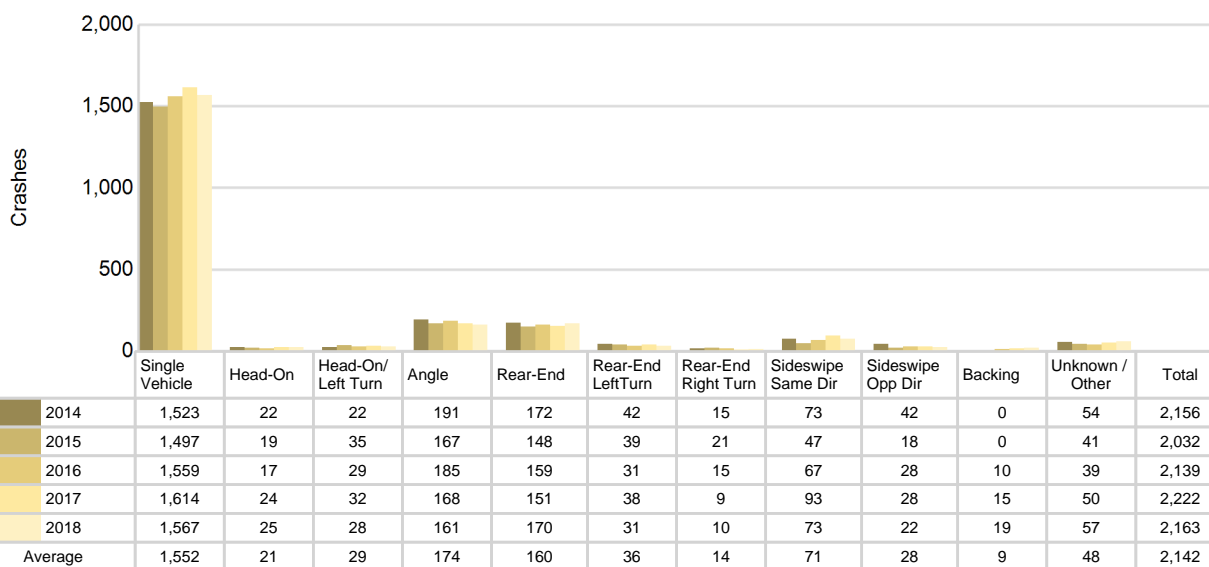
Time of Day	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	48	0	71	0	48	0	58	0	74	0
3:00 AM - 5:59 AM	91	0	101	0	113	0	127	0	91	0
6:00 AM - 8:59 AM	223	0	267	0	250	0	267	0	249	1
9:00 AM - 11:59 AM	48	0	39	0	32	0	53	0	46	0
Noon - 2:59 PM	34	0	46	0	32	0	33	0	45	0
3:00 PM - 5:59 PM	73	0	54	0	55	0	75	0	74	0
6:00 PM - 8:59 PM	234	0	220	0	259	0	246	0	249	0
9:00 PM - 11:59 PM	217	0	201	0	186	0	216	0	165	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	968	0	999	0	975	0	1,075	0	993	1

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	1,523	2	1,497	3	1,559	2	1,614	10	1,567	7
Head-on	22	2	19	0	17	1	24	1	25	5
Head-on / left turn	22	0	35	1	29	1	32	2	28	0
Angle	191	3	167	1	185	1	168	4	161	1
Rear-end	172	0	148	0	159	0	151	0	170	0
Rear-end left turn	42	0	39	0	31	0	38	1	31	0
Rear-end right turn	15	0	21	0	15	0	9	0	10	0
Sideswipe same direction	73	0	47	0	67	0	93	0	73	0
Sideswipe opposite direction	42	1	18	0	28	0	28	0	22	0
Backing	0	0	0	0	10	0	15	0	19	0
Other / Unknown	54	1	41	1	39	0	50	1	57	0
Uncoded and Errors	0	0	0	0	2	0	0	0	0	0
Total	2,156	9	2,032	6	2,141	5	2,222	19	2,163	13

5-Year Trend
Crashes by Crash Type

Montcalm County (continued)

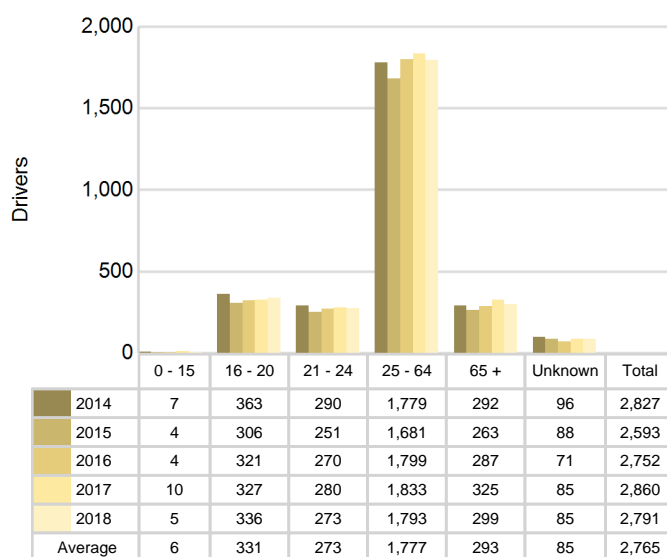
2018 - Reported Motor Vehicle Crashes by Municipality

Municipality	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Belvidere Twp.	98	1	13	84	0	0	52	46	1	0	63	1	20
Bloomer Twp.	37	0	3	34	0	0	16	21	3	0	26	0	4
Bushnell Twp.	62	0	2	60	0	0	35	27	2	0	43	0	3
Carson City	7	0	1	6	0	0	2	5	0	0	0	0	1
Cato Twp.	113	0	19	94	0	0	77	36	0	0	70	0	26
Crystal Twp.	73	1	7	65	0	0	0	73	2	0	50	2	9
Day Twp.	42	0	4	38	0	0	0	42	0	1	32	0	4
Douglass Twp.	90	0	9	81	0	0	33	57	3	0	67	0	16
Edmore	25	0	3	22	0	0	16	9	2	0	5	0	3
Eureka Twp.	98	0	20	78	0	0	66	32	5	0	26	0	33
Evergreen Twp.	103	0	11	92	0	0	1	102	3	0	69	0	20
Fairplain Twp.	106	0	15	91	0	0	62	44	4	0	49	0	20
Ferris Twp.	104	0	9	95	0	0	0	104	3	1	67	0	10
Greenville	223	2	59	162	0	0	165	56	7	5	12	2	77
Home Twp.	75	1	6	68	0	0	28	47	1	0	56	1	7
Howard City	24	0	6	18	0	0	0	24	0	0	2	0	10
Lakeview	17	0	0	17	0	0	0	17	1	0	5	0	0
Maple Valley Twp.	28	0	5	23	0	0	0	28	2	1	10	0	5
McBride	3	0	0	3	0	0	0	3	0	0	2	0	0
Montcalm Twp.	137	1	33	103	0	0	51	86	7	1	52	1	52
Pierson	5	0	2	3	0	0	0	5	0	0	0	0	3
Pierson Twp.	133	0	25	108	0	61	0	72	2	2	37	0	35
Pine Twp.	73	0	13	60	0	0	26	47	4	0	31	0	18
Reynolds Twp.	141	2	30	109	0	64	31	46	6	0	39	2	47
Richland Twp.	104	1	22	81	0	0	44	60	2	1	53	1	34
Sheridan	16	1	2	13	0	0	10	6	1	0	0	1	2
Sidney Twp.	139	2	14	123	0	0	27	112	2	0	78	2	25
Stanton	14	0	0	14	0	0	6	8	0	0	8	0	0
Winfield Twp.	73	1	10	62	0	0	35	38	5	0	41	1	14
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,163	13	343	1,807	0	125	783	1,253	68	12	993	14	498

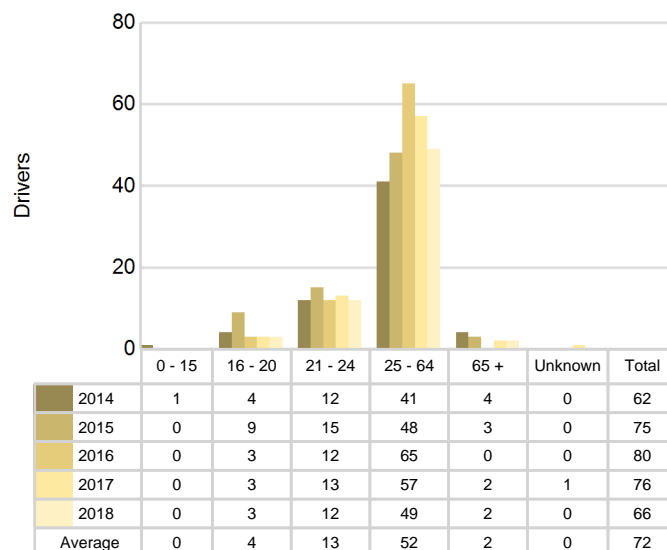
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	7	1	4	0	4	0	10	0	5	0
16 - 20	363	4	306	9	321	3	327	3	336	3
21 - 24	290	12	251	15	270	12	280	13	273	12
25 - 64	1,779	41	1,681	48	1,799	65	1,833	57	1,793	49
65 +	292	4	263	3	287	0	325	2	299	2
Unknown	96	0	88	0	71	0	85	1	85	0
Total	2,827	62	2,593	75	2,752	80	2,860	76	2,791	66

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	0	0	0	0	0	0	0	0	0
16 - 20	5	4	2	3	0	0	2	0	1
21 - 24	13	8	8	12	0	1	4	2	5
25 - 64	60	43	32	49	0	2	12	11	24
65 +	5	3	2	2	0	0	2	0	0
Unknown	0	0	0	0	0	0	0	0	0
Total	83	58	44	66	0	3	20	13	30

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 83 drivers in alcohol-involved crashes; 66 (79.5%) of those drivers were coded as had-been-drinking by the officer on the crash form.

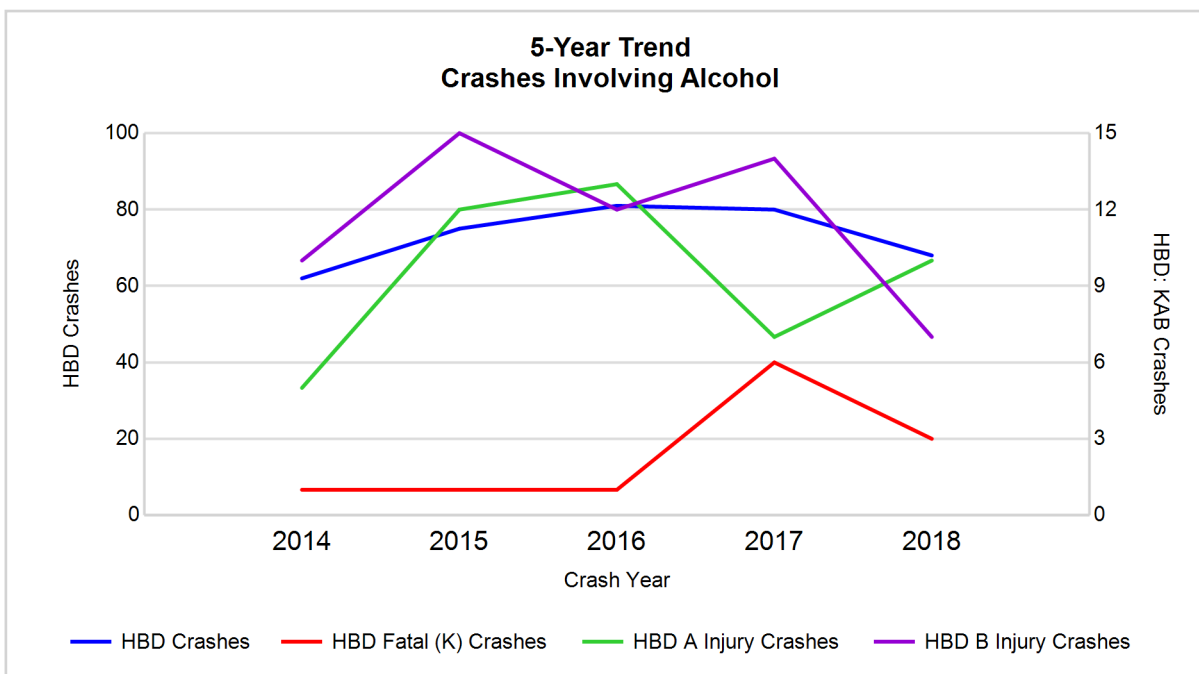
- 33 (50.0%) of the 66 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 13 (39.4%) of the 33 drivers had a BAC at or above 0.17 g/dL.
- 44 (66.7%) of the 66 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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	2,156	62	2.9	9	1	11.1	53	5	9.4	103	10	9.7
2015	2,032	75	3.7	6	1	16.7	60	12	20.0	113	15	13.3
2016	2,141	81	3.8	5	1	20.0	61	13	21.3	134	12	9.0
2017	2,222	80	3.6	19	6	31.6	53	7	13.2	111	14	12.6
2018	2,163	68	3.1	13	3	23.1	63**	10	15.9	105	7*	6.7*

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



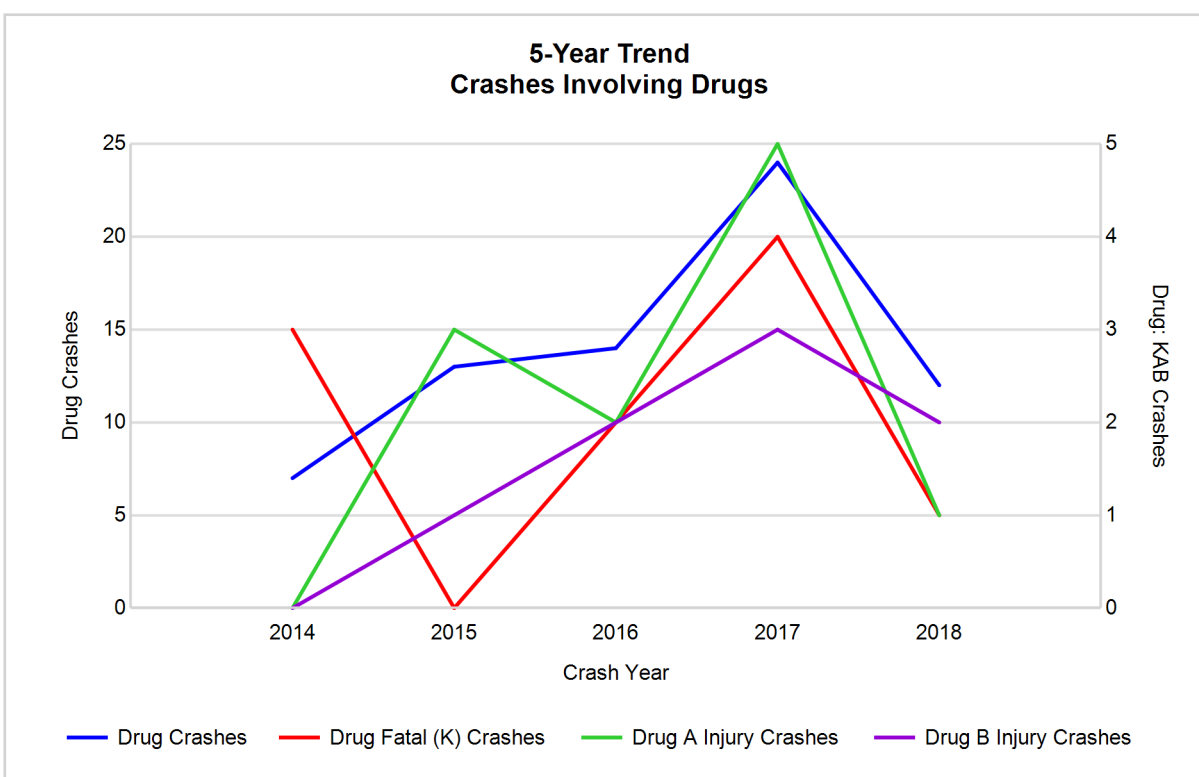
Note: Had-Been-Drinking (HBD)

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	2,156	7	0.3	9	3	33.3	53	0	0.0	103	0	0.0
2015	2,032	13	0.6	6	0	0.0	60	3	5.0	113	1	0.9
2016	2,141	14	0.7	5	2	40.0	61	2	3.3	134	2	1.5
2017	2,222	24	1.1	19	4	21.1	53	5	9.4	111	3	2.7
2018	2,163	12	0.6	13	1	7.7	63**	1	1.6	105	2	1.9

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

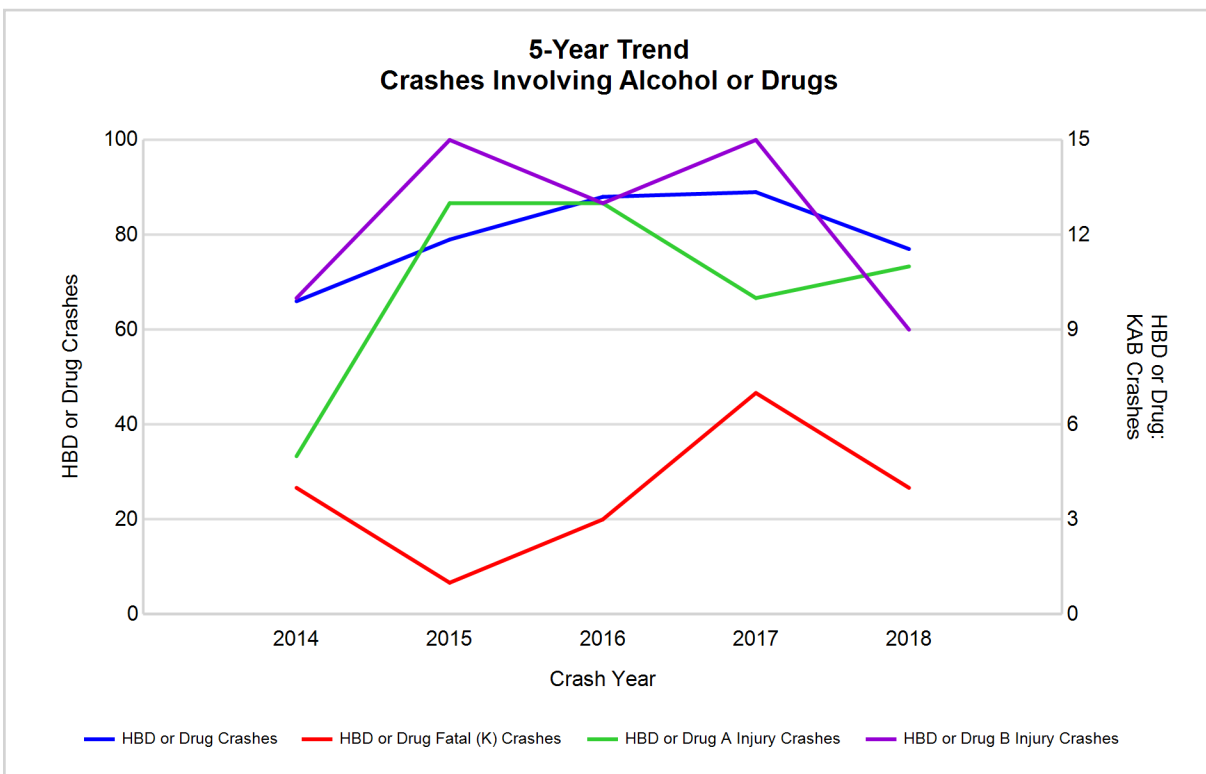


5-Year Trend - Crashes Involving Alcohol or Drugs

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	2,156	66	3.1	9	4	44.4	53	5	9.4	103	10	9.7
2015	2,032	79	3.9	6	1	16.7	60	13	21.7	113	15	13.3
2016	2,141	88	4.1	5	3	60.0	61	13	21.3	134	13	9.7
2017	2,222	89	4.0	19	7	36.8	53	10	18.9	111	15	13.5
2018	2,163	77	3.6	13	4	30.8	63**	11	17.5	105	9*	8.6*

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	2,280	2,195	96.3	10	7	70.0	59	46	78.0	113	105	92.9	221	216	97.7	1,842	1,820	98.8
Motor home	6	6	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	6	100.0
Pickup truck	495	465	93.9	1	0	0.0	10	9	90.0	19	17	89.5	33	31	93.9	419	408	97.4
Small truck under 10,000 lbs. GVWR	15	13	86.7	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	13	11	84.6
Motorcycle	20	10	50.0	1	0	0.0	8	3	37.5	5	4	80.0	4	3	75.0	0	0	0.0
Moped / goped	2	0	0.0	0	0	0.0	1	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	1	1	100.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	5	0	0.0	0	0	0.0	2	0	0.0	1	0	0.0	0	0	0.0	2	0	0.0
Other	15	6	40.0	1	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	12	6	50.0
Truck/bus over 10,000 lbs.	66	56	84.8	0	0	0.0	2	2	100.0	1	0	0.0	2	1	50.0	57	53	93.0
Unknown	26	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0
Total	2,931	2,752	93.9	13	7	0.0	83	61	73.5	142	127	89.4	261	252	96.6	2,353	2,304	97.9

Note: Restraint Use includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, child restraint used, restraint failure, and helmet worn.

2018 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Age

Age Group	Total Occupants			Fatalities			A - Suspected Serious			B - Suspected Minor			C - Possible Injury			No Injury		
	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%
0 - 15	44	39	88.6	1	0	0.0	5	3	60.0	10	9	90.0	23	23	100.0	5	4	80.0
16 - 20	362	353	97.5	1	1	100.0	13	9	69.2	20	18	90.0	53	52	98.1	274	273	99.6
21 - 24	281	272	96.8	3	2	66.7	5	3	60.0	18	18	100.0	28	28	100.0	226	221	97.8
25 - 64	1,840	1,779	96.7	8	4	50.0	52	39	75.0	72	62	86.1	129	124	96.1	1,575	1,550	98.4
65 +	319	309	96.9	0	0	0.0	8	7	87.5	22	20	90.9	25	25	100.0	263	256	97.3
Unknown	85	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	0	0.0	10	0	0.0
Total	2,931	2,752	93.9	13	7	0.0	83	61	73.5	142	127	89.4	261	252	96.6	2,353	2,304	97.9

Note: Restraint Use includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, child restraint used, restraint failure, and helmet worn.

5-Year Trend - Restraint Use Among Drivers

Restraint Use	2014			2015			2016			2017			2018		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	10	0	1	7	0	1	5	0	2	4	0	0	5	0	1
Shoulder belt only used	1	0	1	0	0	0	12	0	1	11	0	0	17	0	2
Lap belt only used	4	0	2	4	0	1	3	0	1	4	0	0	2	0	0
Both lap & shoulder belts used	2,617	3	284	2,406	1	254	2,534	2	267	2,653	5	288	2,596	7	301
No belts used	25	3	13	30	0	19	30	1	22	18	3	7	25	2	15
Child restraint used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child restraint not used, unavailable or improper use	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint failure	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Restraint use unknown	46	0	4	43	0	2	99	0	7	139	3	11	121	1	8
Helmet worn	24	0	19	16	1	11	24	0	21	14	0	10	11	0	11
Helmet not worn	14	0	12	11	1	9	28	1	22	14	3	9	13	1	10
Helmet use unknown	4	0	3	1	0	1	2	0	1	2	0	1	0	0	0
Uncoded & errors	82	0	0	75	0	0	14	0	0	0	0	0	1	0	0
Total	2,827	6	339	2,593	3	298	2,752	4	344	2,860	14	326	2,791	11	348

5-Year Trend - Restraint Use Among Drivers Coded Drinking

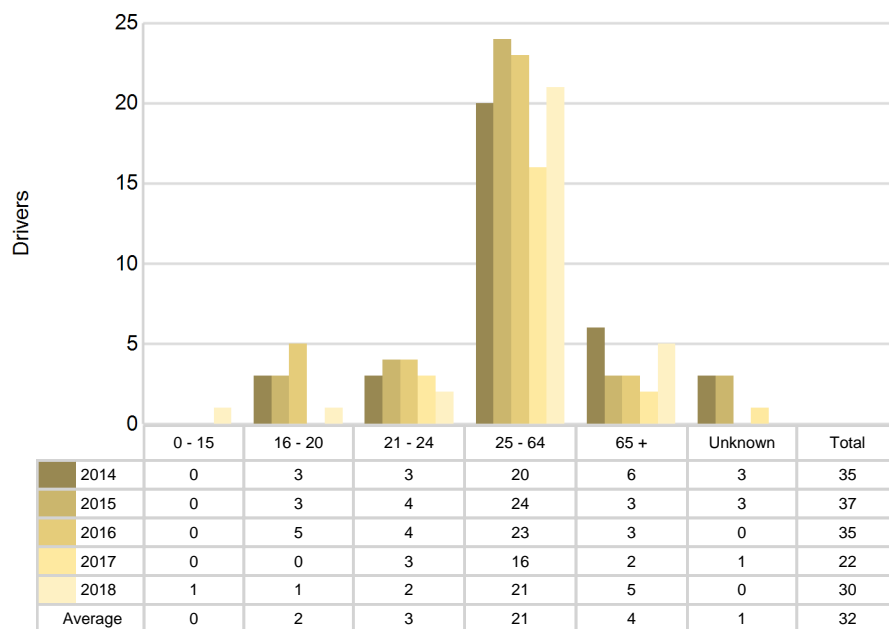
Restraint Use	2014			2015			2016			2017			2018		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Shoulder belt only used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lap belt only used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Both lap & shoulder belts used	41	1	12	58	1	20	50	0	11	56	1	16	52	0	15
No belts used	4	0	3	9	0	6	9	0	8	5	2	2	3	1	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	11	0	3	6	0	1	7	0	4	14	1	3	7	0	1
Helmet worn	1	0	1	0	0	0	3	0	3	0	0	0	0	0	0
Helmet not worn	4	0	3	1	0	0	10	1	8	1	0	1	4	0	4
Helmet use unknown	0	0	0	1	0	1	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	62	1	22	75	1	28	80	1	35	76	4	22	66	1	22

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	0	0	0	0	0	0	0	0	0	1	0	0
16 - 20	3	0	3	3	0	2	5	0	3	0	0	0	1	0	1
21 - 24	3	0	3	4	0	2	4	0	4	3	0	1	2	1	0
25 - 64	20	2	7	24	0	14	23	0	15	16	3	5	21	1	14
65 +	6	1	1	3	0	2	3	1	2	2	0	1	5	0	1
Unknown	3	0	0	3	0	0	0	0	0	1	0	0	0	0	0
Total	35	3	14	37	0	20	35	1	24	22	3	7	30	2	16

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

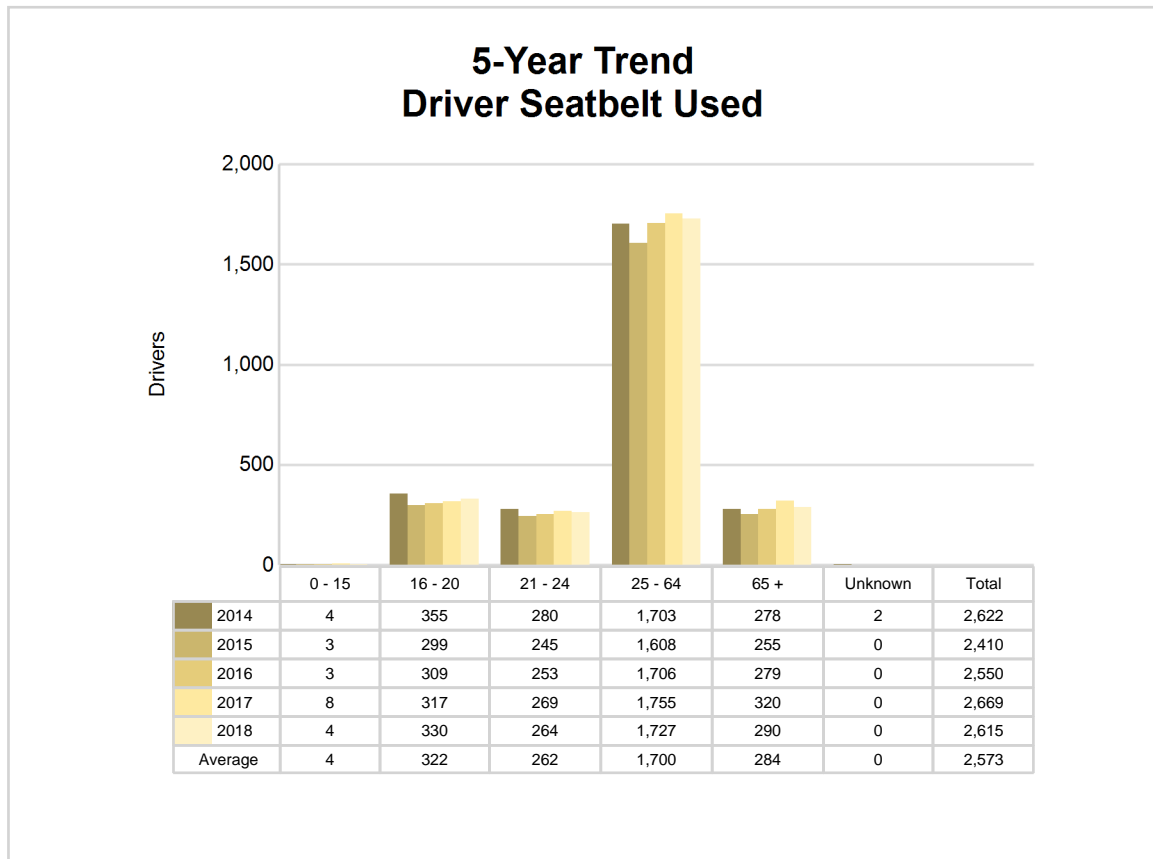
5-Year Trend Driver Seatbelt Not Used



5-Year Trend - Seatbelt Used Among Drivers by Age

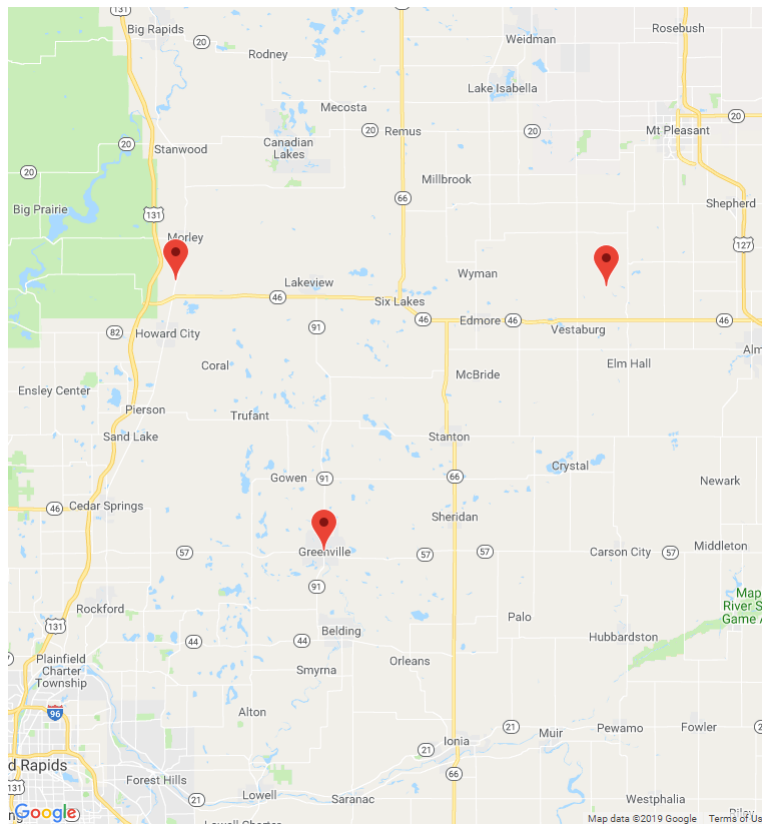
Age Group	2014			2015			2016			2017			2018		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	4	0	0	3	0	1	3	0	1	8	0	1	4	0	0
16 - 20	355	0	49	299	0	52	309	0	50	317	0	51	330	1	56
21 - 24	280	1	30	245	1	25	253	0	35	269	1	32	264	2	41
25 - 64	1,703	1	171	1,608	0	148	1,706	1	156	1,755	3	168	1,727	4	173
65 +	278	1	37	255	0	29	279	1	27	320	1	36	290	0	33
Unknown	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,622	3	287	2,410	1	255	2,550	2	269	2,669	5	288	2,615	7	303

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	1,763	9	1,662	4	1,700	4	1,820	14	1,728	8
Speed too fast	358	1	231	0	324	1	306	0	328	1
Speed too slow	0	0	3	0	1	0	2	1	0	0
Failed to yield	193	0	165	2	190	1	182	2	183	0
Disregard traffic control	32	3	26	0	16	0	33	2	27	0
Drove wrong way	2	0	1	0	0	0	3	0	1	0
Drove left of center	16	3	14	0	13	0	13	0	15	1
Improper passing	15	0	11	0	22	1	19	0	14	1
Improper lane use	14	0	23	0	30	0	36	1	30	1
Improper turn	13	0	19	0	13	0	11	0	14	0
Improper/no signal	2	0	5	0	2	0	7	0	0	0
Improper backing	28	0	24	0	20	0	17	0	19	0
Unable to stop in assured clear distance	194	0	177	0	189	0	186	2	194	0
Other	77	0	71	0	79	0	60	0	67	2
Unknown	14	0	17	0	45	1	61	3	58	4
Reckless driving	4	0	12	0	8	1	15	0	4	0
Careless/negligent driving	102	0	130	2	96	0	89	4	109	1
Uncoded & errors	0	0	2	0	4	0	0	0	0	0
Total	2,827	16	2,593	8	2,752	9	2,860	29	2,791	19



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

In 2018, there were 68 alcohol-involved crashes in Montcalm County:

- 3 K - Fatal Crashes
- 10 A - Suspected Serious Injury Crashes
- 7 B - Suspected Minor Injury Crashes
- 10 C - Possible Injury Crashes
- 38 O - Property Damage Only/No Injury Crashes

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