



2016

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

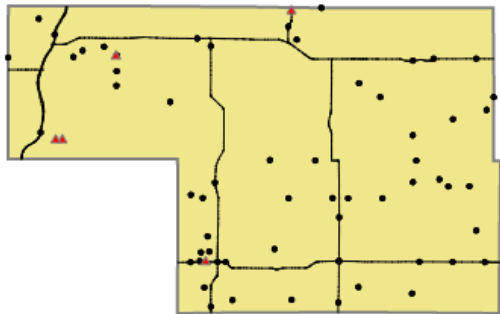
2016 Traffic Crash Data & 2012-2016 5-Year Trends



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 (5/5)
- A - Suspected Serious (61/61)

Montcalm County

In 2016:

There were 2,752 drivers involved in 2,141 motor vehicle crashes in Montcalm County. Of those crashes, 5 were classified as fatal, resulting in 6 fatalities. An additional 464 persons were injured.

Montcalm County experienced the highest number of motor vehicle crashes (292) in November, the highest number of fatal crashes (3) and the highest number of persons killed (3) in July.

Michigan driver statistics indicate 6.5 percent of licensed drivers in Montcalm County were age 16-20, and 11.7 percent of drivers in crashes were also in that age group.

2016 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	215	0	29	186	0	39
February	182	0	36	146	0	47
March	138	0	24	114	0	32
April	125	0	26	99	0	31
May	155	1	36	118	2	47
June	160	0	28	132	0	35
July	141	3	28	110	3	41
August	121	0	29	92	0	36
September	151	1	27	123	1	41
October	228	0	29	199	0	45
November	292	0	26	266	0	31
December	233	0	28	205	0	39
Total	2,141	5	346	1,790	6	464

2016 - Driver Statistics

Age Group	Statewide			Driver Rates	
	2016 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	12,502	314	4	3.2	127.4
16 - 20	3,788	2,950	321	847.4	1,088.1
21 - 24	2,998	2,714	270	900.6	994.8
25 - 64	33,161	29,655	1,799	542.5	606.6
65 +	10,525	9,678	287	272.7	296.5
Unknown	0	0	71	- -	- -
Total	62,974	45,311	2,752	437.0	607.4

2016 - 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	2,021	73.4	6	66.7	353	1,662
Motor home	18	0.7	0	0.0	5	13
Pickup truck	569	20.7	0	0.0	101	468
Small truck under 10,000 lbs. GVWR	13	0.5	0	0.0	1	12
Motorcycle	38	1.4	2	22.2	30	6
Moped / goped	4	0.1	0	0.0	4	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	12	0.4	0	0.0	10	2
Other	11	0.4	0	0.0	2	9
Truck/bus over 10,000 lbs.	47	1.7	1	11.1	11	35
Unknown	19	0.7	0	0.0	1	18
Total	2,752	100.0	9	100.0	518	2,225

5-Year Trend - Crashes by Month

Month	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	252	1	197	1	231	0	214	1	215	0
February	170	1	226	0	192	1	167	0	182	0
March	133	1	207	0	153	4	134	1	138	0
April	129	2	140	0	121	0	125	0	125	0
May	193	1	150	0	156	0	152	1	155	1
June	157	1	142	0	150	0	170	0	160	0
July	144	3	139	0	135	0	157	1	141	3
August	153	0	113	0	112	1	124	0	121	0
September	149	1	136	1	126	0	154	1	151	1
October	224	0	243	2	243	1	228	0	228	0
November	254 †	0	281 †	0	358 †	2	258 †	0	292 †	0
December	224	2	229	1	179	0	149	1	233	0
Total	2,182	13	2,203	5	2,156	9	2,032	6	2,141	5

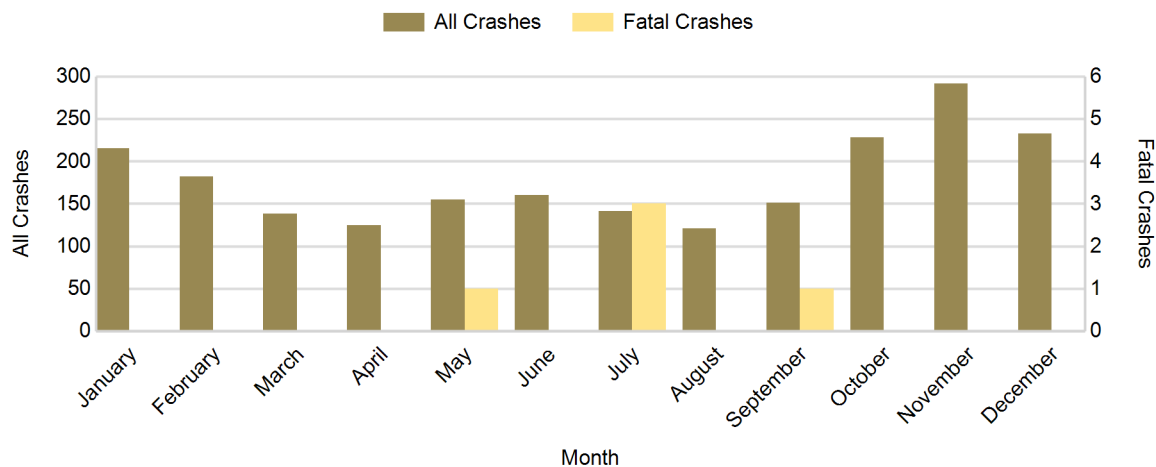
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

5-Year Trend - Crashes by Day of Week

Day	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	312	3	339	1	272	2	261	1	291	1
Tuesday	313	2	317	0	299	1	293	0	324	0
Wednesday	298	1	294	0	313	1	310	0	356	0
Thursday	317	0	334	2	316	0	275	1	302	0
Friday	395	2	364	0	376	2	303	2	311	2
Saturday	291	2	301	1	291	1	341	1	307	0
Sunday	256	3	254	1	289	2	249	1	250	2
Total	2,182	13	2,203	5	2,156	9	2,032	6	2,141	5

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

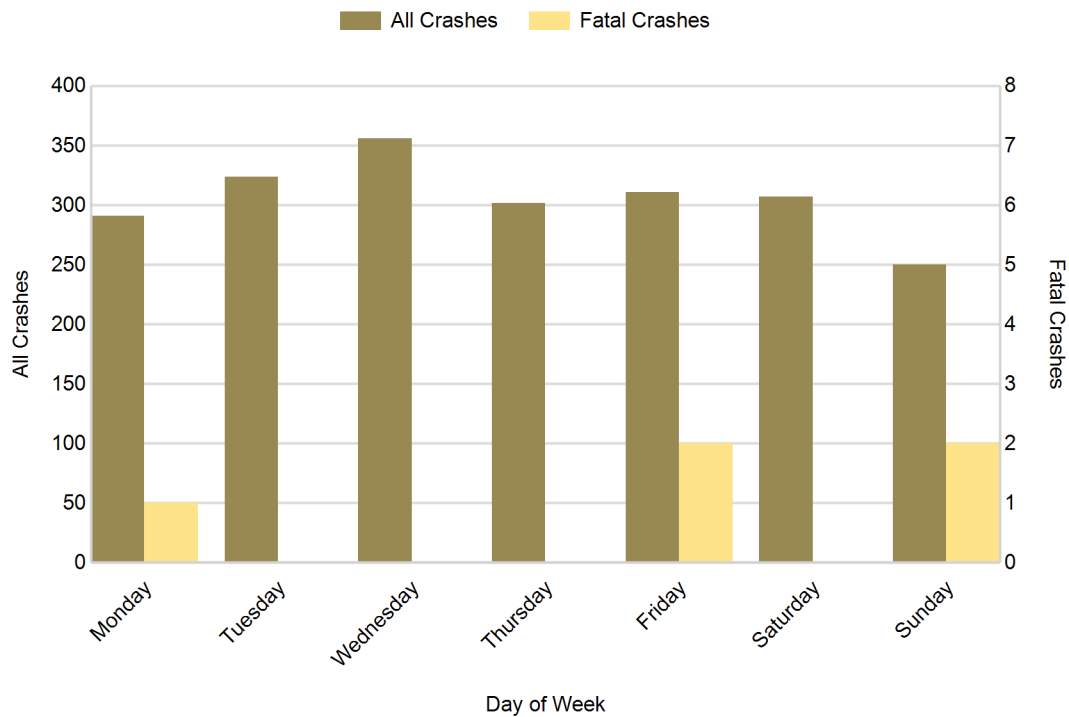
2016 Crashes by Month



2016 - 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	291	13.6	1	20.0	6	23	21	240
Tuesday	324	15.1	0	0.0	3	18	25	278
Wednesday	356	16.6	0	0.0	7	21	31	297
Thursday	302	14.1	0	0.0	5	15	20	262
Friday	311	14.5	2	40.0	12	18	20	259
Saturday	307	14.3	0	0.0	13	24	17	253
Sunday	250	11.7	2	40.0	15	15	17	201
Total	2,141	100.0	5	100.0	61	134	151	1,790

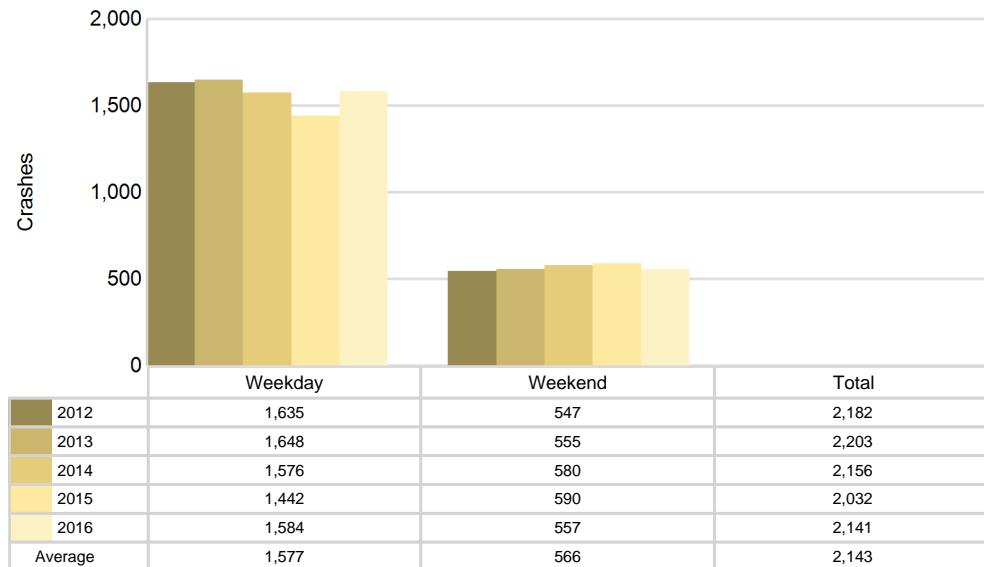
2016 Day of Week and Severity



5-Year Trend - Crashes by Weekday and Weekend

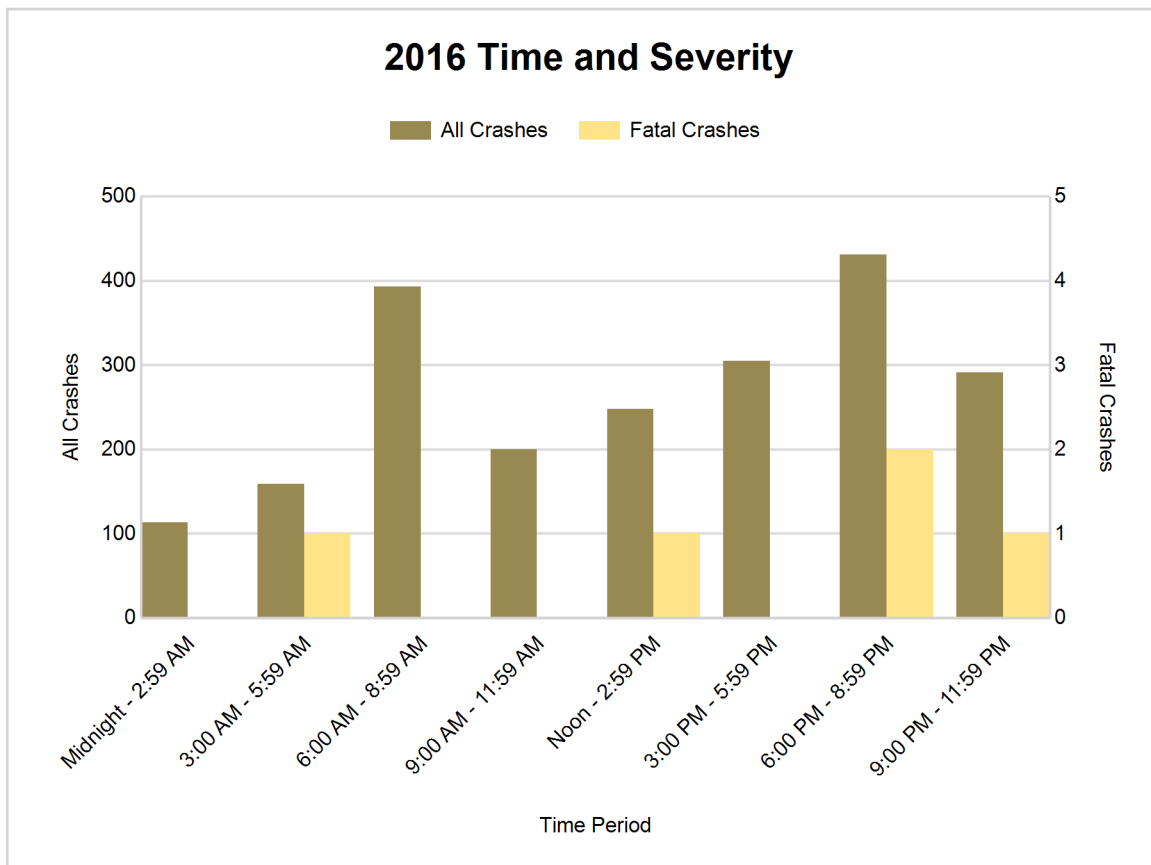
Portion of Week	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	1,635	8	1,648	3	1,576	6	1,442	4	1,584	3
Weekend	547	5	555	2	580	3	590	2	557	2
Total	2,182	13	2,203	5	2,156	9	2,032	6	2,141	5

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



2016 - Time and Severity

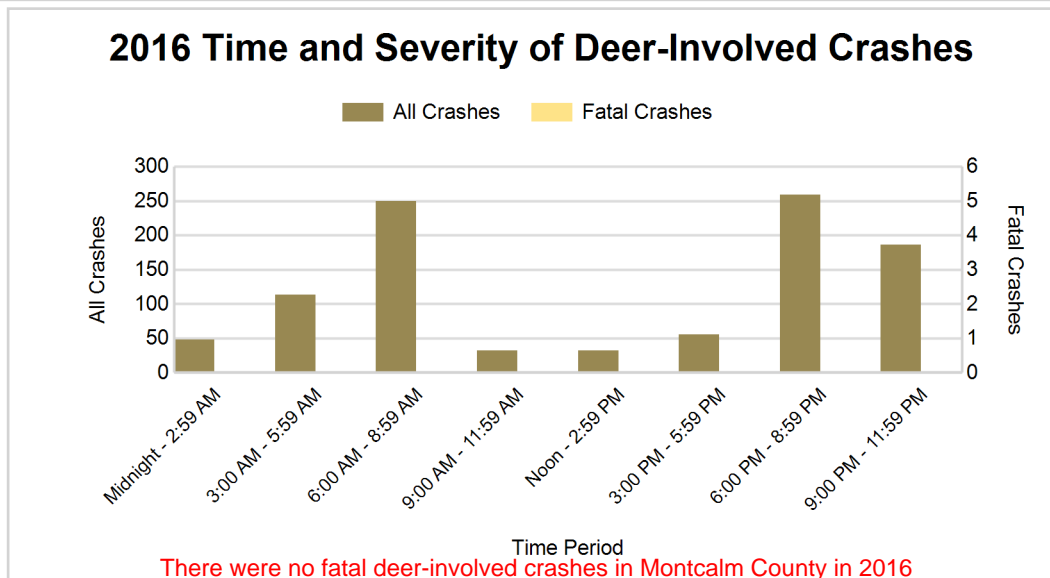
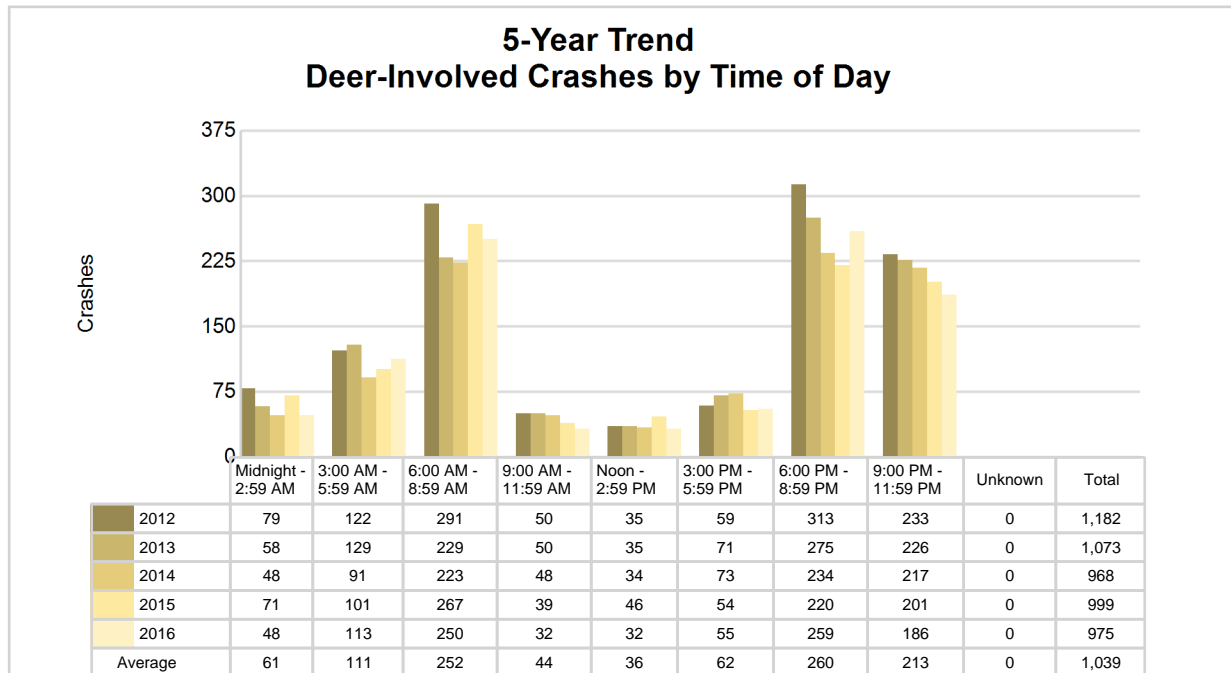
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	113	5.3	0	0.0	5	11	4	93
3:00 AM - 5:59 AM	159	7.4	1	20.0	4	5	4	145
6:00 AM - 8:59 AM	393	18.4	0	0.0	6	16	20	351
9:00 AM - 11:59 AM	200	9.3	0	0.0	6	10	28	156
Noon - 2:59 PM	248	11.6	1	20.0	10	34	30	173
3:00 PM - 5:59 PM	305	14.2	0	0.0	9	32	33	231
6:00 PM - 8:59 PM	431	20.1	2	40.0	11	19	20	379
9:00 PM - 11:59 PM	291	13.6	1	20.0	10	7	11	262
Unknown	1	0.0	0	0.0	0	0	1	0
Total	2,141	100.0	5	100.0	61	134	151	1,790



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

Time of Day	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	79	0	58	0	48	0	71	0	48	0
3:00 AM - 5:59 AM	122	0	129	0	91	0	101	0	113	0
6:00 AM - 8:59 AM	291	0	229	0	223	0	267	0	250	0
9:00 AM - 11:59 AM	50	0	50	0	48	0	39	0	32	0
Noon - 2:59 PM	35	0	35	0	34	0	46	0	32	0
3:00 PM - 5:59 PM	59	0	71	0	73	0	54	0	55	0
6:00 PM - 8:59 PM	313	0	275	0	234	0	220	0	259	0
9:00 PM - 11:59 PM	233	0	226	0	217	0	201	0	186	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	1,182	0	1,073	0	968	0	999	0	975	0

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



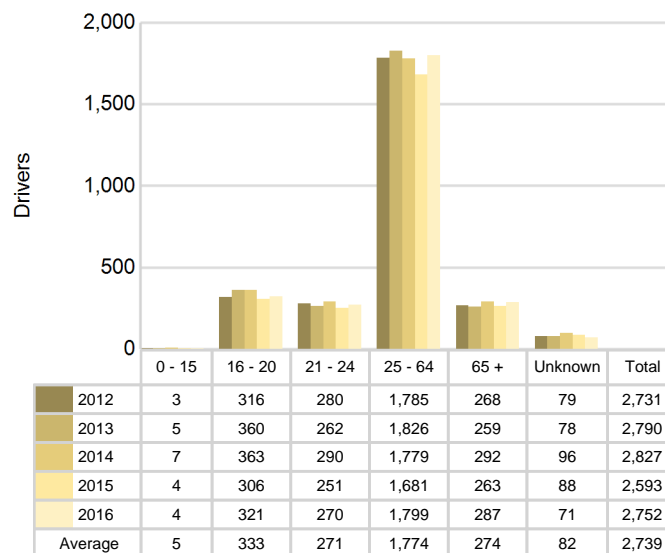
2016 - Reported Motor Vehicle Crashes by Municipality

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.	107	1	15	91	0	0	68	39	3	1	69	2	21
Bloomer Twp.	50	0	8	42	0	0	17	33	1	0	35	0	12
Bushnell Twp.	62	0	12	50	0	0	26	36	3	0	37	0	14
Carson City	9	0	0	9	0	0	3	6	0	0	0	0	0
Cato Twp.	104	0	9	95	0	0	68	36	1	1	72	0	13
Crystal Twp.	95	0	18	77	0	0	0	95	7	1	54	0	20
Day Twp.	33	0	3	30	0	0	0	33	1	1	23	0	7
Douglass Twp.	93	0	9	84	0	0	28	64	3	1	57	0	11
Edmore	19	0	1	18	0	0	13	6	0	0	4	0	1
Eureka Twp.	95	0	24	71	0	0	59	35	5	1	21	0	36
Evergreen Twp.	111	0	13	98	0	0	0	111	3	0	69	0	14
Fairplain Twp.	96	0	14	82	0	0	59	37	6	1	55	0	19
Ferris Twp.	81	0	10	71	0	0	0	81	2	0	52	0	15
Greenville	223	1	49	173	0	0	152	71	7	1	11	1	73
Home Twp.	90	0	11	79	0	0	37	52	1	0	58	0	13
Howard City	24	0	1	23	0	0	0	23	0	0	8	0	1
Lakeview	16	0	1	15	0	0	2	14	1	0	8	0	1
Maple Valley Twp.	34	0	7	27	0	0	0	34	2	0	18	0	9
McBride	3	0	0	3	0	0	0	3	0	0	2	0	0
Montcalm Twp.	116	0	30	86	0	0	33	82	5	0	32	0	37
Pierson	3	0	0	3	0	0	0	3	0	0	1	0	0
Pierson Twp.	132	2	21	109	0	76	0	56	7	2	46	2	31
Pine Twp.	68	0	11	57	0	0	25	43	1	2	36	0	15
Reynolds Twp.	130	0	24	106	0	60	26	44	6	0	40	0	30
Richland Twp.	92	0	19	73	0	0	40	52	4	0	45	0	28
Sheridan	11	0	2	9	0	0	7	4	2	0	3	0	3
Sidney Twp.	164	0	24	140	0	0	40	124	4	0	81	0	29
Stanton	19	0	0	19	0	0	15	4	0	0	9	0	0
Winfield Twp.	61	1	10	50	0	0	25	36	6	2	29	1	11
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,141	5	346	1,790	0	136	743	1,257	81	14	975	6	464

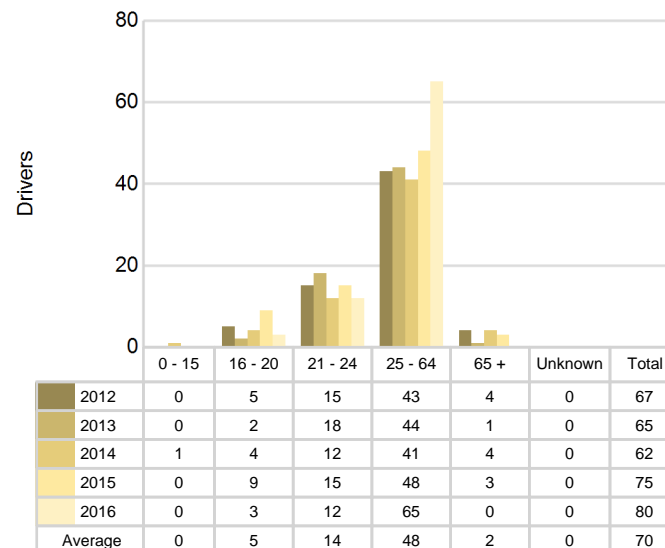
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2012		2013		2014		2015		2016	
	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	3	0	5	0	7	1	4	0	4	0
16 - 20	316	5	360	2	363	4	306	9	321	3
21 - 24	280	15	262	18	290	12	251	15	270	12
25 - 64	1,785	43	1,826	44	1,779	41	1,681	48	1,799	65
65 +	268	4	259	1	292	4	263	3	287	0
Unknown	79	0	78	0	96	0	88	0	71	0
Total	2,731	67	2,790	65	2,827	62	2,593	75	2,752	80

5-Year Trend Total Drivers in Crashes by Age



5-Year Trend Total Drivers Coded Drinking by Age



2016 - 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	3	3	3	3	0	1	2	0	0
21 - 24	13	13	9	12	0	1	2	3	6
25 - 64	73	60	49	65	3	4	16	14	28
65 +	1	2	0	0	0	0	0	0	0
Unknown	3	0	0	0	0	0	0	0	0
Total	93	78	61	80	3	6	20	17	34

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 2016, there were 93 drivers in alcohol-involved crashes; 80 (86.0%) of those drivers were coded as had-been-drinking by the officer on the crash form.

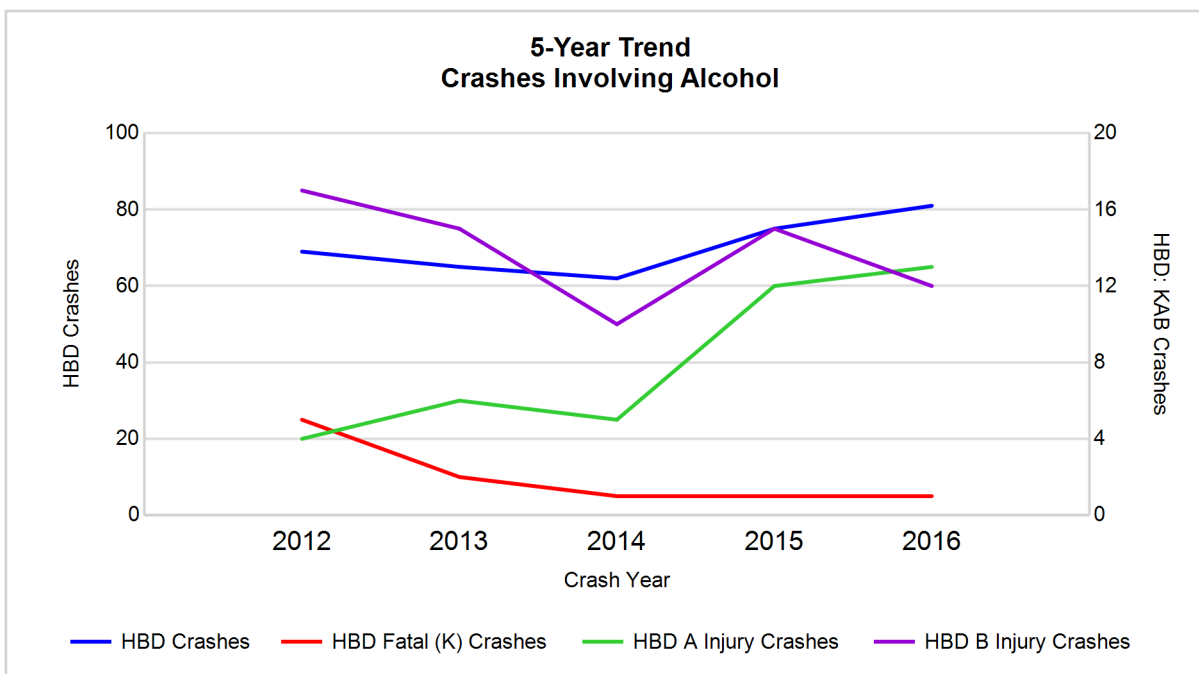
- 37 (46.3%) of the 80 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 17 (45.9%) of the 37 drivers had a BAC at or above 0.17 g/dL.
- 61 (76.3%) of the 80 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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
2012	2,182	69	3.2	13	5	38.5	48	4	8.3	91	17	18.7
2013	2,203	65	3.0	5	2	40.0	35	6	17.1	97	15	15.5
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*

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



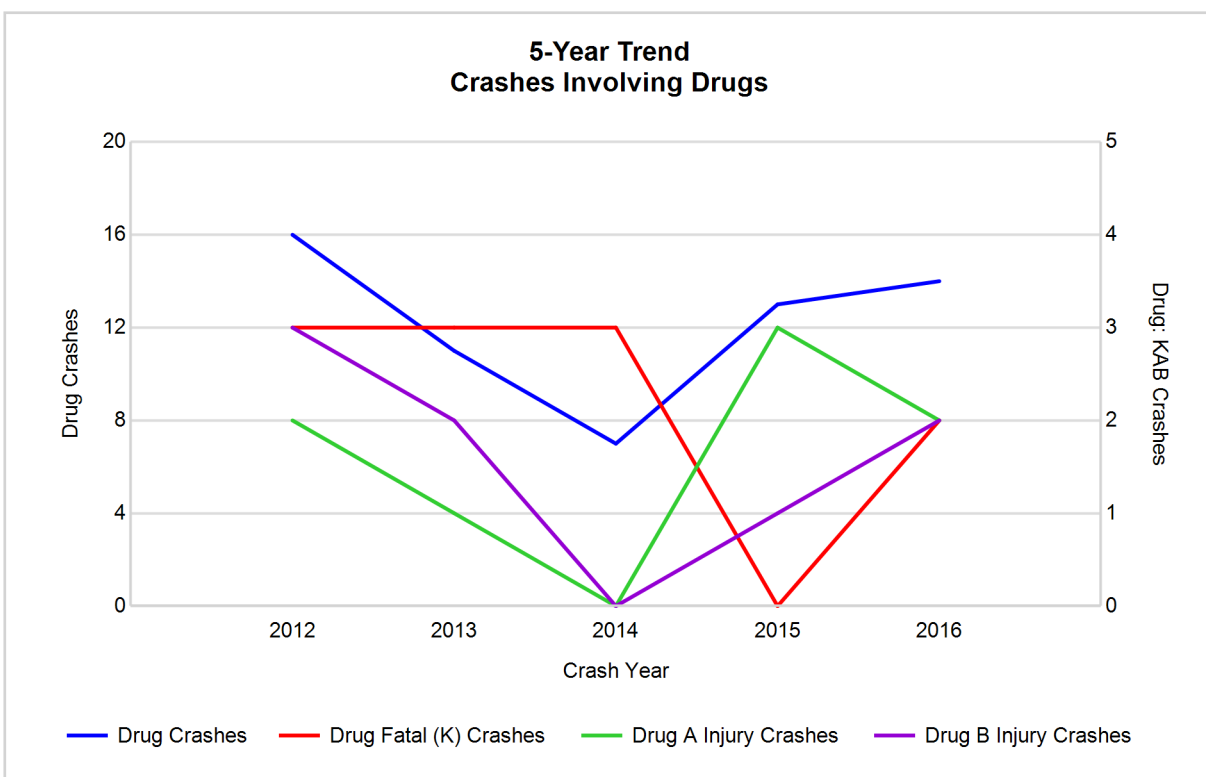
Note: Had-Been-Drinking (HBD)

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
2012	2,182	16	0.7	13	3	23.1	48	2	4.2	91	3	3.3
2013	2,203	11	0.5	5	3	60.0	35	1	2.9	97	2	2.1
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

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

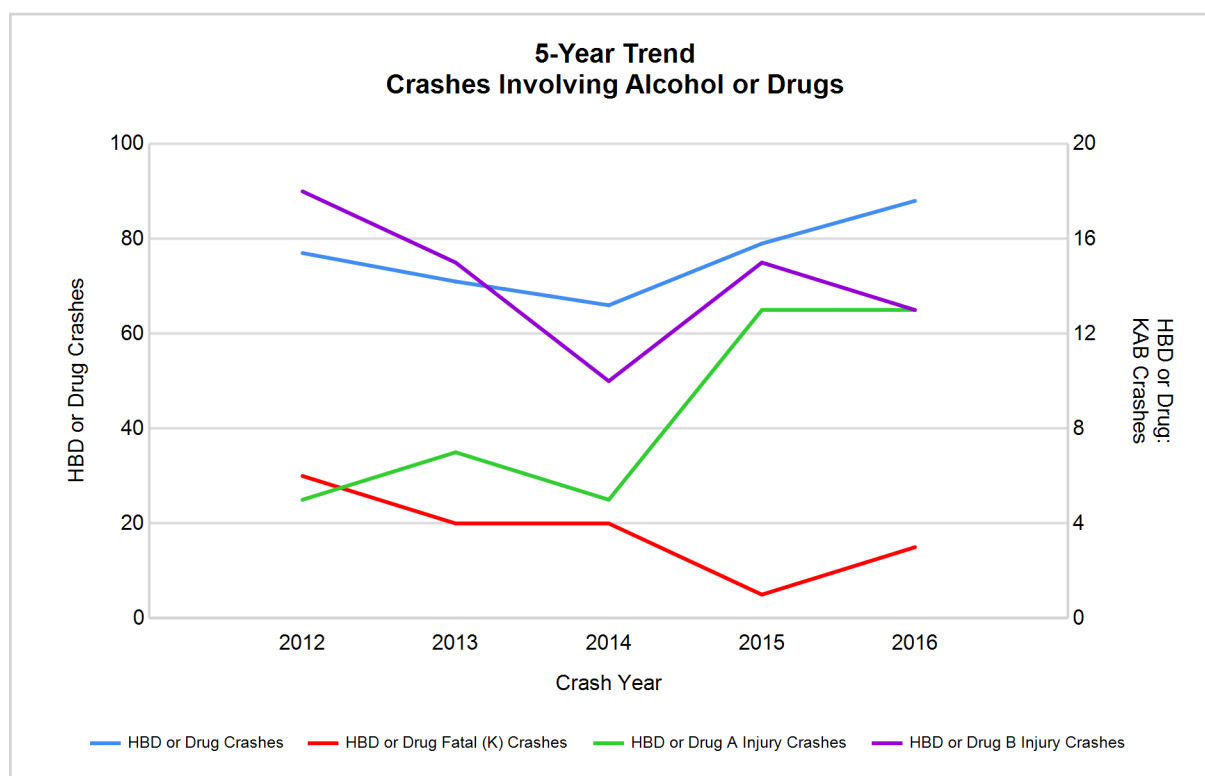


5-Year Trend - Crashes Involving Alcohol or Drugs

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
2012	2,182	77	3.5	13	6	46.2	48	5	10.4	91	18	19.8
2013	2,203	71	3.2	5	4	80.0	35	7	20.0	97	15	15.5
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

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)

2016 - 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	2,106	2,008	95.3	4	3	75.0	40	27	67.5	108	95	88.0	170	161	94.7	1,751	1,719	98.2
Motor home	18	18	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	17	17	100.0
Pickup truck	589	550	93.4	0	0	0.0	14	9	64.3	30	27	90.0	36	31	86.1	496	483	97.4
Small truck under 10,000 lbs. GVWR	14	13	92.9	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	13	12	92.3
Motorcycle	42	21	50.0	1	0	0.0	8	3	37.5	20	9	45.0	7	6	85.7	6	3	50.0
Moped / goped	4	1	25.0	0	0	0.0	1	1	100.0	2	0	0.0	1	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	13	3	23.1	0	0	0.0	7	2	28.6	3	1	33.3	0	0	0.0	3	0	0.0
Other	12	7	58.3	0	0	0.0	0	0	0.0	1	1	100.0	1	0	0.0	10	6	60.0
Truck/bus over 10,000 lbs.	47	42	89.4	0	0	0.0	0	0	0.0	3	2	66.7	1	1	100.0	40	39	97.5
Unknown	19	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0
Total	2,864	2,663	93.0	5	3	0.0	70	42	60.0	167	135	80.8	218	201	92.2	2,338	2,279	97.5

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

2016 - 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	26	26	100.0	0	0	0.0	2	2	100.0	5	5	100.0	17	17	100.0	2	2	100.0
16 - 20	340	326	95.9	0	0	0.0	6	3	50.0	25	23	92.0	45	41	91.1	264	259	98.1
21 - 24	281	265	94.3	0	0	0.0	8	5	62.5	19	14	73.7	29	28	96.6	225	218	96.9
25 - 64	1,847	1,754	95.0	2	1	50.0	44	25	56.8	105	81	77.1	106	95	89.6	1,585	1,550	97.8
65 +	299	292	97.7	3	2	66.7	10	7	70.0	13	12	92.3	21	20	95.2	251	250	99.6
Unknown	71	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	11	0	0.0
Total	2,864	2,663	93.0	5	3	0.0	70	42	60.0	167	135	80.8	218	201	92.2	2,338	2,279	97.5

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

5-Year Trend - Restraint Use Among Drivers

Restraint Use	2012			2013			2014			2015			2016		
	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	20	0	2	15	0	1	10	0	1	7	0	1	5	0	2
Shoulder belt only used	2	0	0	3	0	1	1	0	1	0	0	0	12	0	1
Lap belt only used	5	0	1	4	0	2	4	0	2	4	0	1	3	0	1
Both lap & shoulder belts used	2,477	4	223	2,571	2	247	2,617	3	284	2,406	1	254	2,534	2	267
No belts used	45	6	22	20	1	11	25	3	13	30	0	19	30	1	22
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	3	0	0	0	0	0	0	0	0	1	0	0
Restraint use unknown	85	0	14	77	0	6	46	0	4	43	0	2	99	0	7
Helmet worn	20	0	18	18	1	11	24	0	19	16	1	11	24	0	21
Helmet not worn	9	0	7	10	1	9	14	0	12	11	1	9	28	1	22
Helmet use unknown	4	0	3	0	0	0	4	0	3	1	0	1	2	0	1
Uncoded & errors	64	0	0	69	0	0	82	0	0	75	0	0	14	0	0
Total	2,731	10	290	2,790	5	288	2,827	6	339	2,593	3	298	2,752	4	344

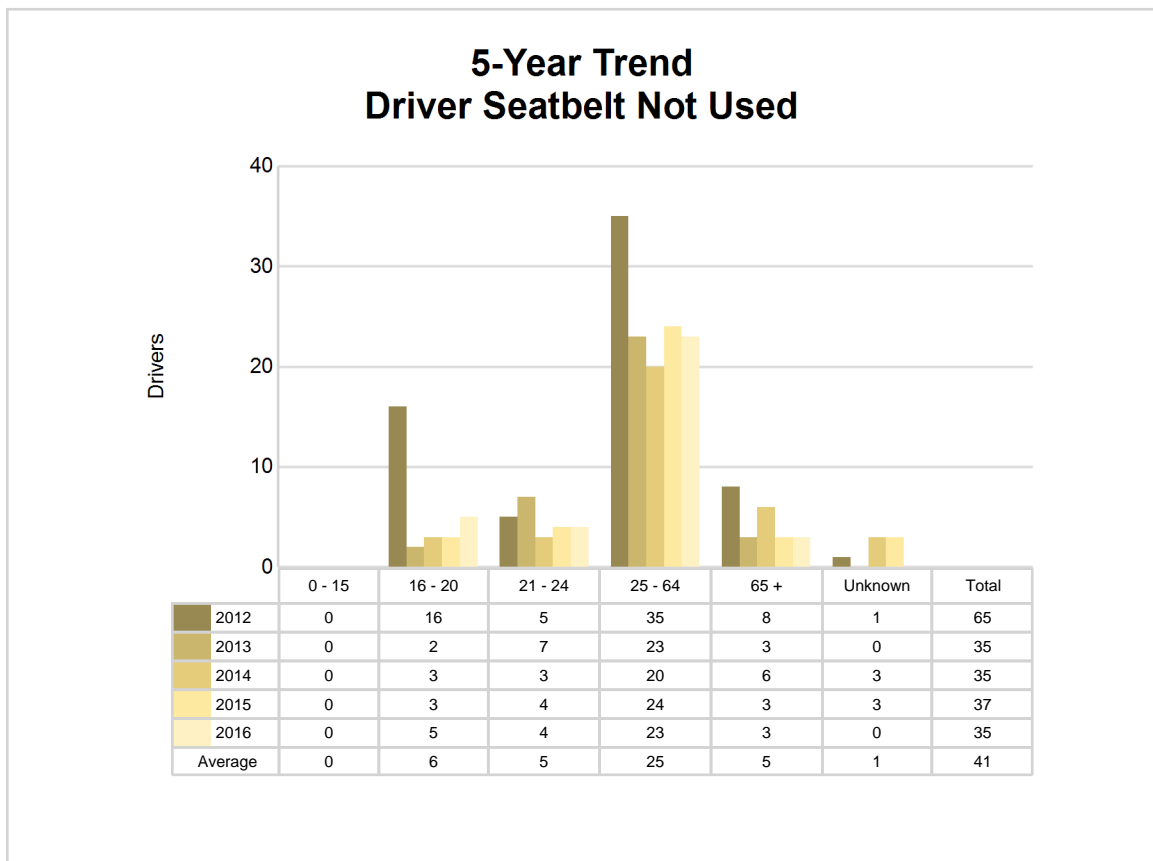
5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2012			2013			2014			2015			2016		
	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	1	0	0	0	0	0	1	0	1
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	32	0	9	33	1	18	41	1	12	58	1	20	50	0	11
No belts used	14	1	10	6	0	5	4	0	3	9	0	6	9	0	8
Child restraint used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child restraint not used, unavailable or improper use	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint failure	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Restraint use unknown	19	0	7	21	0	5	11	0	3	6	0	1	7	0	4
Helmet worn	1	0	1	1	0	1	1	0	1	0	0	0	3	0	3
Helmet not worn	1	0	0	3	1	2	4	0	3	1	0	0	10	1	8
Helmet use unknown	0	0	0	0	0	0	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	67	1	27	65	2	31	62	1	22	75	1	28	80	1	35

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

Age Group	2012			2013			2014			2015			2016		
	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	0	0	0
16 - 20	16	0	10	2	0	0	3	0	3	3	0	2	5	0	3
21 - 24	5	0	3	7	0	3	3	0	3	4	0	2	4	0	4
25 - 64	35	4	10	23	1	9	20	2	7	24	0	14	23	0	15
65 +	8	2	1	3	0	0	6	1	1	3	0	2	3	1	2
Unknown	1	0	0	0	0	0	3	0	0	3	0	0	0	0	0
Total	65	6	24	35	1	12	35	3	14	37	0	20	35	1	24

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

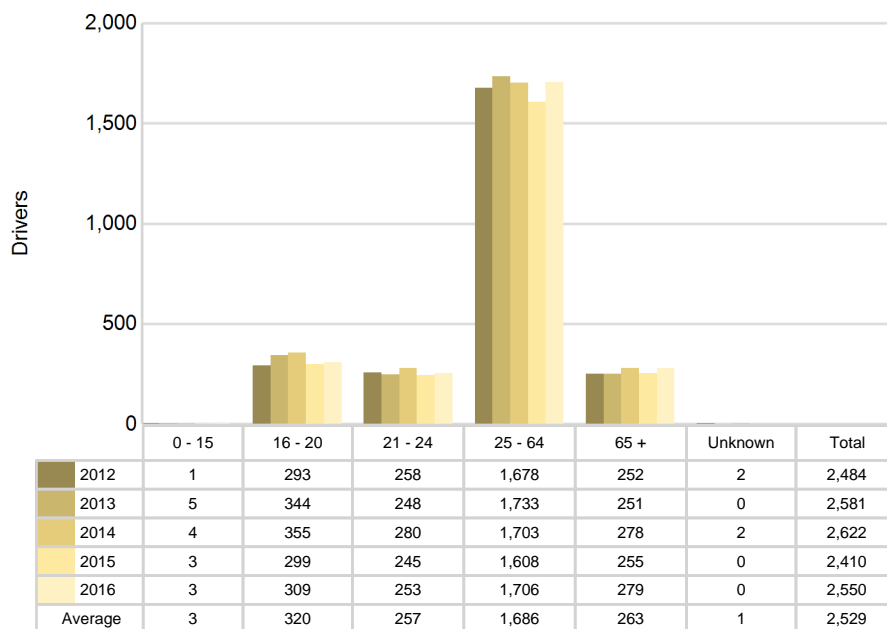


5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2012			2013			2014			2015			2016		
	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	1	0	0	5	0	2	4	0	0	3	0	1	3	0	1
16 - 20	293	0	42	344	0	42	355	0	49	299	0	52	309	0	50
21 - 24	258	1	26	248	0	29	280	1	30	245	1	25	253	0	35
25 - 64	1,678	1	130	1,733	1	149	1,703	1	171	1,608	0	148	1,706	1	156
65 +	252	2	26	251	1	28	278	1	37	255	0	29	279	1	27
Unknown	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Total	2,484	4	224	2,581	2	250	2,622	3	287	2,410	1	255	2,550	2	269

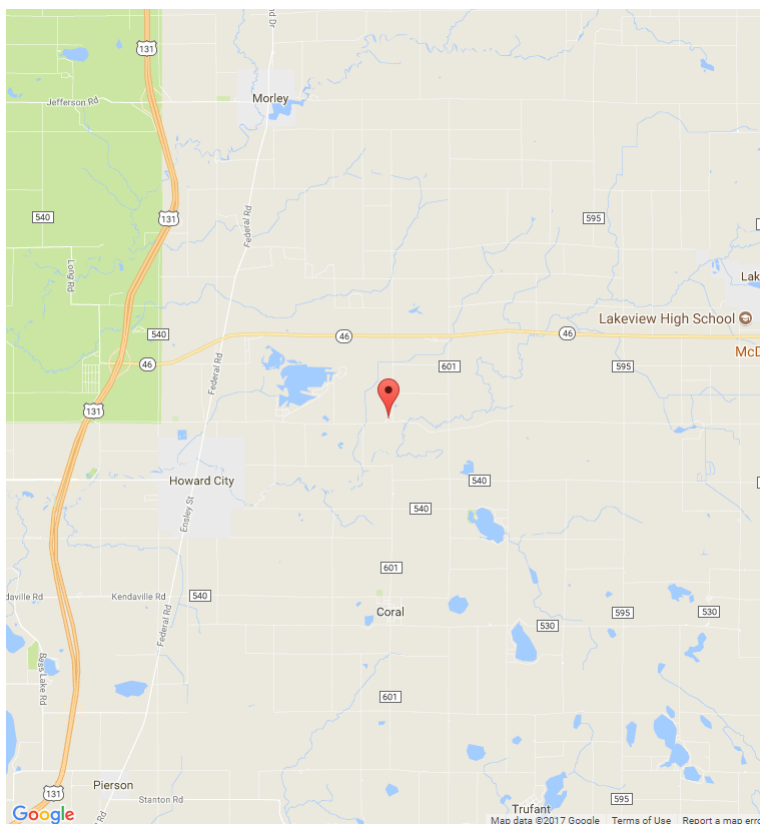
Note: Seatbelt Used includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, and restraint failure.

5-Year Trend Driver Seatbelt Used



5-Year Trend - Drivers in Crashes by Hazardous Action

Hazardous Action	2012		2013		2014		2015		2016	
	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	1,835	11	1,784	4	1,763	9	1,662	4	1,700	4
Speed too fast	291	1	373	0	358	1	231	0	324	1
Speed too slow	5	0	4	0	0	0	3	0	1	0
Failed to yield	133	0	164	1	193	0	165	2	190	1
Disregard traffic control	46	2	23	1	32	3	26	0	16	0
Drove wrong way	1	0	1	0	2	0	1	0	0	0
Drove left of center	20	2	16	1	16	3	14	0	13	0
Improper passing	8	0	11	0	15	0	11	0	22	1
Improper lane use	15	0	13	0	14	0	23	0	30	0
Improper turn	17	0	11	0	13	0	19	0	13	0
Improper/no signal	4	0	9	0	2	0	5	0	2	0
Improper backing	22	0	29	0	28	0	24	0	20	0
Unable to stop in assured clear distance	155	2	182	0	194	0	177	0	189	0
Other	54	1	60	0	77	0	71	0	79	0
Unknown	18	0	15	0	14	0	17	0	45	1
Reckless driving	8	1	10	0	4	0	12	0	8	1
Careless/negligent driving	96	2	85	1	102	0	130	2	96	0
Uncoded & errors	3	0	0	0	0	0	2	0	4	0
Total	2,731	22	2,790	8	2,827	16	2,593	8	2,752	9



The picture above represents all 2016 alcohol-involved fatal crashes in Montcalm County.

In 2016, there were 81 alcohol-involved crashes in Montcalm County:

- 1 K - Fatal Crashes
- 13 A - Suspected Serious Injury Crashes
- 12 B - Suspected Minor Injury Crashes
- 14 C - Possible Injury Crashes
- 41 O - Property Damage Only/No Injury Crashes

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