



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

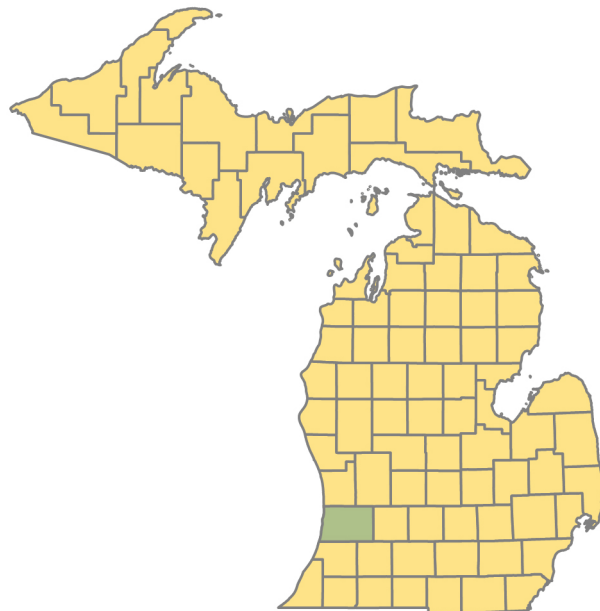
O = No Injury

Property Damage Only (PDO)



Allegan County

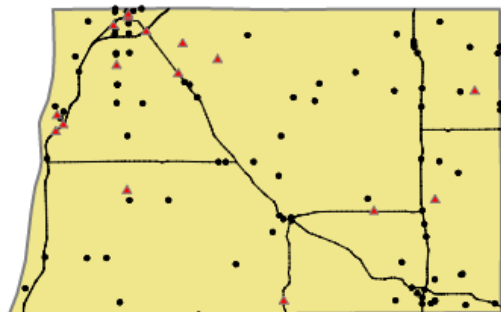
2016 Traffic Crash Data & 2012-2016 5-Year Trends



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 (16/16)
- A - Suspected Serious (91/91)

Allegan County

In 2016:

There were 5,202 drivers involved in 3,673 motor vehicle crashes in Allegan County. Of those crashes, 16 were classified as fatal, resulting in 16 fatalities. An additional 823 persons were injured.

Allegan County experienced the highest number of motor vehicle crashes (502) in December, the highest number of fatal crashes (3) and the highest number of persons killed (3) in April and July.

Michigan driver statistics indicate 5.8 percent of licensed drivers in Allegan County were age 16-20, and 12.9 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	473	1	45	427	1	56
February	324	0	41	283	0	53
March	222	1	33	188	1	34
April	253	3	53	197	3	85
May	271	1	56	214	1	81
June	249	2	43	204	2	58
July	212	3	54	155	3	104
August	223	0	49	174	0	78
September	234	1	40	193	1	58
October	339	1	43	295	1	60
November	371	2	49	320	2	67
December	502	1	68	433	1	89
Total	3,673	16	574	3,083	16	823

2016 - Driver Statistics

Age Group	Statewide			Driver Rates	
	2016 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	24,759	777	11	4.4	141.6
16 - 20	7,231	4,989	672	929.3	1,347.0
21 - 24	5,281	5,279	506	958.2	958.5
25 - 64	59,842	58,320	3,343	558.6	573.2
65 +	18,435	16,948	477	258.7	281.4
Unknown	0	0	193	-	-
Total	115,548	86,313	5,202	450.2	602.7

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	3,845	73.9	16	66.7	665	3,164
Motor home	114	2.2	0	0.0	20	94
Pickup truck	833	16.0	0	0.0	141	692
Small truck under 10,000 lbs. GVWR	65	1.2	0	0.0	15	50
Motorcycle	43	0.8	2	8.3	30	11
Moped / goped	10	0.2	1	4.2	7	2
Go-cart / golf cart	1	0.0	0	0.0	1	0
Snowmobile	1	0.0	0	0.0	1	0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	0	0.0	0	0.0	0	0
Other	23	0.4	1	4.2	6	16
Truck/bus over 10,000 lbs.	205	3.9	4	16.7	49	152
Unknown	62	1.2	0	0.0	11	51
Total	5,202	100.0	24	100.0	946	4,232

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	433	0	398	0	536	0	491	0	473	1
February	293	0	440	0	402	2	356	4	324	0
March	186	2	236	0	238	0	197	2	222	1
April	194	2	182	0	164	1	165	1	253	3
May	242	1	207	0	184	0	205	0	271	1
June	286	1	247	2	247	3	258	1	249	2
July	203	1	207	3	203	2	224	2	212	3
August	242	2	199	4	227	0	206	1	223	0
September	215	2	231	2	186	1	180	0	234	1
October	325	2	312	1	276	0	322	0	339	1
November	326	0	408	1	579	2	372	1	371	2
December	312	0	385	1	256	0	268	2	502	1
Total	3,257	13	3,452	14	3,498	11	3,244	14	3,673	16

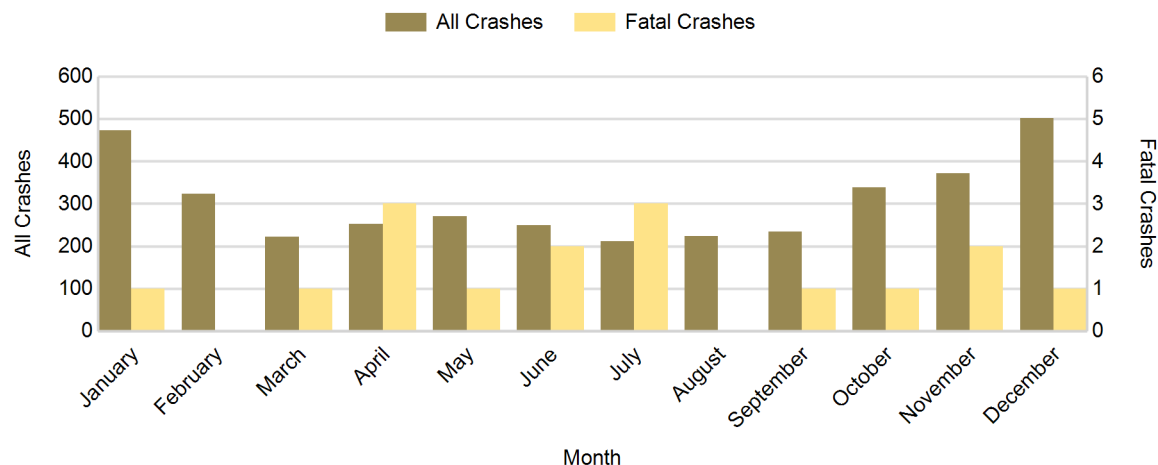
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

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	435	2	518	3	467	0	447	1	552	3
Tuesday	426	1	541	1	486	1	476	4	551	2
Wednesday	462	1	524	3	491	3	493	4	469	3
Thursday	476	2	538	2	611	0	491	2	543	1
Friday	599	2	450	2	638	1	490	0	565	3
Saturday	461	2	502	3	437	4	490	1	538	3
Sunday	398	3	379	0	368	2	357	2	455	1
Total	3,257	13	3,452	14	3,498	11	3,244	14	3,673	16

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

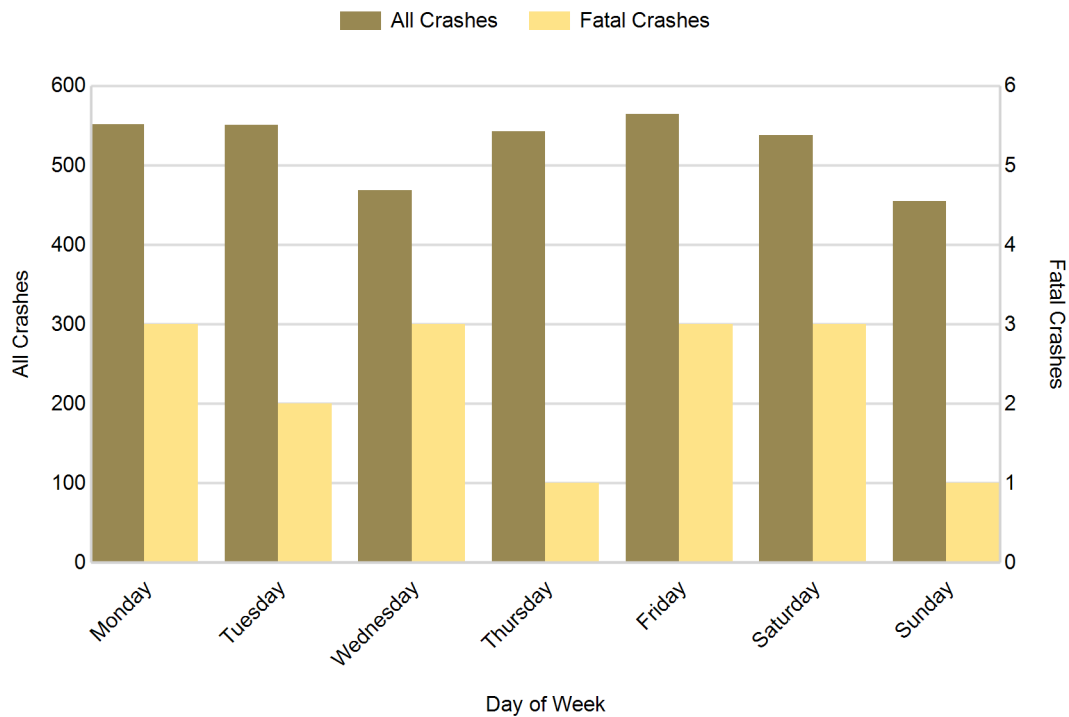
2016 Crashes by Month



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	552	15.0	3	18.8	11	22	35	481
Tuesday	551	15.0	2	12.5	15	27	50	457
Wednesday	469	12.8	3	18.8	11	15	32	408
Thursday	543	14.8	1	6.3	12	23	48	459
Friday	565	15.4	3	18.8	16	34	45	467
Saturday	538	14.6	3	18.8	17	36	44	438
Sunday	455	12.4	1	6.3	9	34	38	373
Total	3,673	100.0	16	100.0	91	191	292	3,083

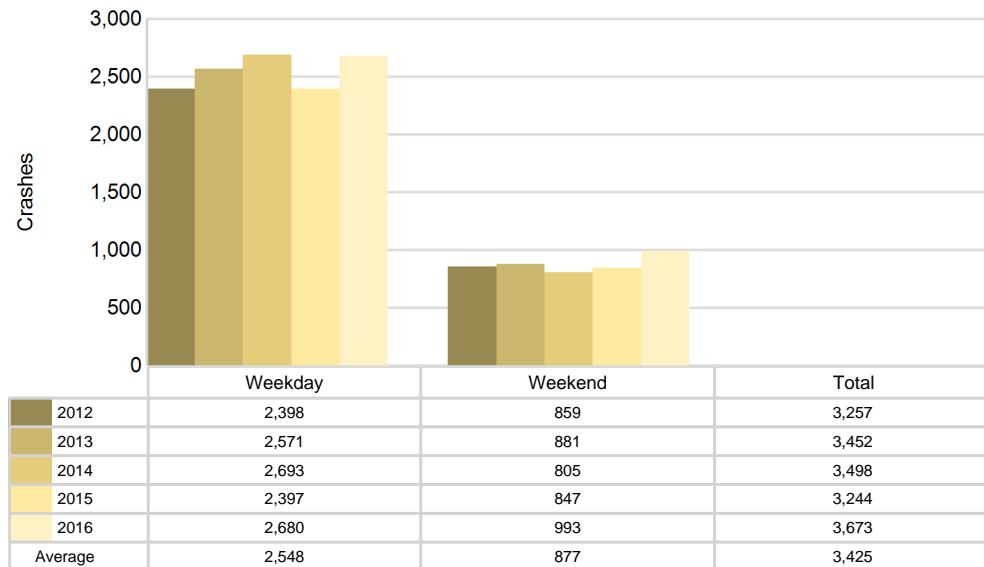
2016 Day of Week and Severity



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	2,398	8	2,571	11	2,693	5	2,397	11	2,680	12
Weekend	859	5	881	3	805	6	847	3	993	4
Total	3,257	13	3,452	14	3,498	11	3,244	14	3,673	16

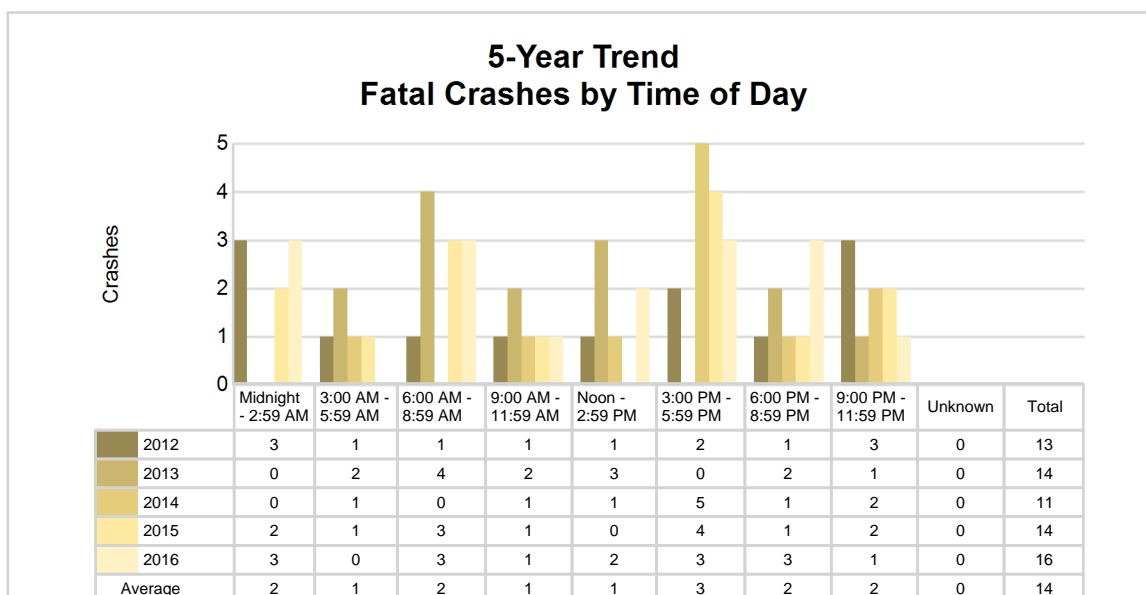
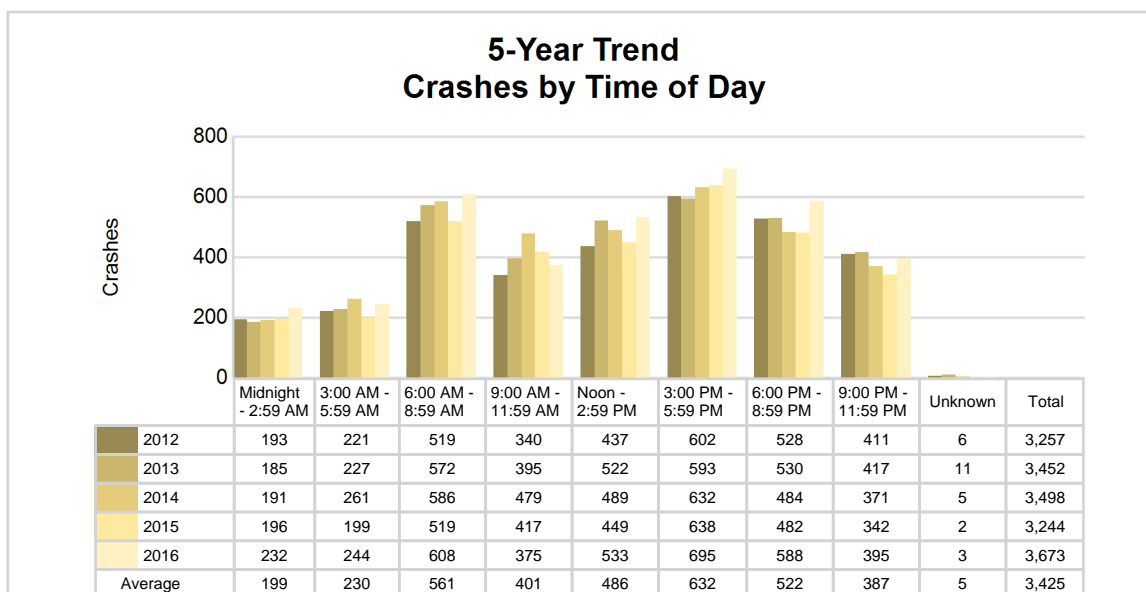
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

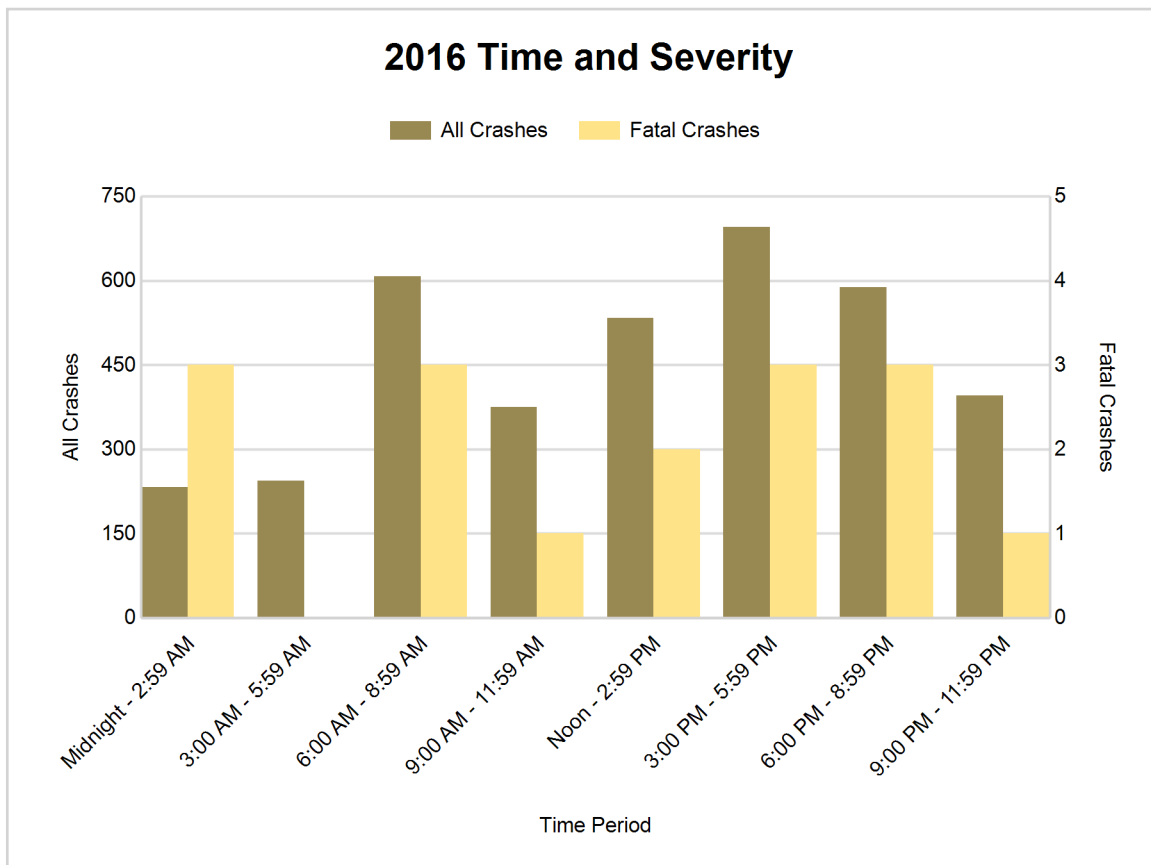
Time of Day	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	193	3	185	0	191	0	196	2	232	3
3:00 AM - 5:59 AM	221	1	227	2	261	1	199	1	244	0
6:00 AM - 8:59 AM	519	1	572	4	586	0	519	3	608	3
9:00 AM - 11:59 AM	340	1	395	2	479	1	417	1	375	1
Noon - 2:59 PM	437	1	522	3	489	1	449	0	533	2
3:00 PM - 5:59 PM	602 †	2	593 †	0	632 †	5	638 †	4	695 †	3
6:00 PM - 8:59 PM	528	1	530	2	484	1	482	1	588	3
9:00 PM - 11:59 PM	411	3	417	1	371	2	342	2	395	1
Unknown	6	0	11	0	5	0	2	0	3	0
Total	3,257	13	3,452	14	3,498	11	3,244	14	3,673	16

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



2016 - Time and Severity

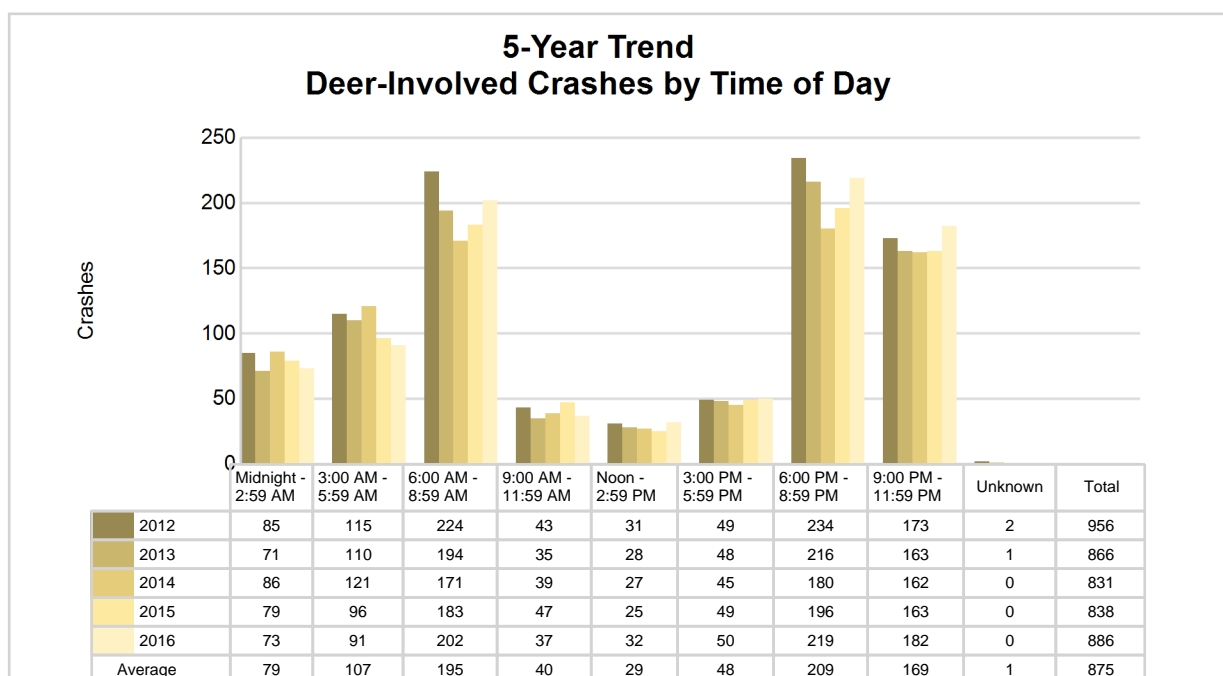
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	232	6.3	3	18.8	6	14	12	197
3:00 AM - 5:59 AM	244	6.6	0	0.0	6	7	12	219
6:00 AM - 8:59 AM	608	16.6	3	18.8	6	31	48	520
9:00 AM - 11:59 AM	375	10.2	1	6.3	12	18	32	312
Noon - 2:59 PM	533	14.5	2	12.5	22	35	50	424
3:00 PM - 5:59 PM	695	18.9	3	18.8	17	44	77	554
6:00 PM - 8:59 PM	588	16.0	3	18.8	13	31	35	506
9:00 PM - 11:59 PM	395	10.8	1	6.3	9	11	26	348
Unknown	3	0.1	0	0.0	0	0	0	3
Total	3,673	100.0	16	100.0	91	191	292	3,083



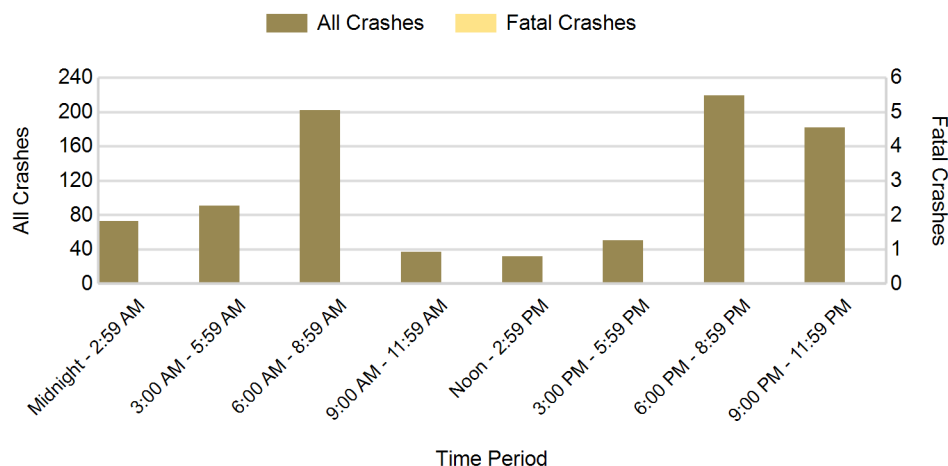
5-Year Trend - Deer-Involved Crashes by Time of Day

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	85	0	71	0	86	0	79	1	73	0
3:00 AM - 5:59 AM	115	0	110	0	121	0	96	0	91	0
6:00 AM - 8:59 AM	224	0	194	0	171	0	183	0	202	0
9:00 AM - 11:59 AM	43	0	35	0	39	0	47	0	37	0
Noon - 2:59 PM	31	0	28	0	27	0	25	0	32	0
3:00 PM - 5:59 PM	49	0	48	0	45	0	49	0	50	0
6:00 PM - 8:59 PM	234 †	0	216 †	0	180 †	0	196 †	0	219 †	0
9:00 PM - 11:59 PM	173	0	163	0	162	0	163	0	182	0
Unknown	2	0	1	0	0	0	0	0	0	0
Total	956	0	866	0	831	0	838	1	886	0

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



2016 Time and Severity of Deer-Involved Crashes



There were no fatal deer-involved crashes in Allegan County in 2016

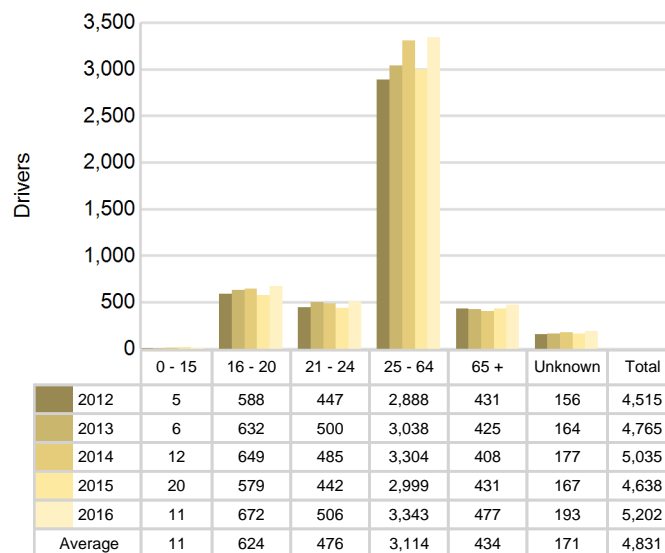
2016 - Reported Motor Vehicle Crashes by Municipality

Municipality	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Allegan	106	0	15	91	0	0	73	33	1	0	5	0	17
Allegan Twp.	133	0	22	111	0	0	43	90	3	0	70	0	27
Casco Twp.	146	0	19	127	65	0	0	81	6	3	40	0	28
Cheshire Twp.	73	0	10	63	0	0	0	73	2	0	44	0	17
Clyde Twp.	42	1	6	35	0	0	1	41	2	3	16	1	11
Dorr Twp.	243	0	38	205	0	143	0	99	10	1	36	0	49
Douglas	38	2	4	32	12	0	0	26	1	0	10	2	5
Fennville	18	0	3	15	0	0	14	4	0	0	0	0	4
Fillmore Twp.	137	2	25	110	31	3	18	85	7	3	24	2	38
Ganges Twp.	85	0	9	76	46	0	1	38	8	2	36	0	11
Gun Plain Twp.	219	0	31	188	0	102	31	86	12	7	57	0	42
Heath Twp.	73	0	14	59	0	0	46	27	2	1	26	0	19
Holland	331	4	62	265	36	46	86	163	3	2	17	4	83
Hopkins	3	0	0	3	0	0	0	3	0	0	1	0	0
Hopkins Twp.	70	0	10	60	0	0	0	70	1	0	25	0	11
Laketown Twp.	115	0	22	93	54	4	0	57	6	2	27	0	26
Lee Twp.	65	0	10	55	0	0	0	64	1	0	17	0	15
Leighton Twp.	151	0	25	126	0	49	0	102	5	2	21	0	29
Manlius Twp.	75	0	11	64	0	0	6	69	4	1	18	0	20
Martin	3	0	0	3	0	0	0	3	0	0	0	0	0
Martin Twp.	88	1	17	70	0	51	1	36	8	3	11	1	27
Monterey Twp.	66	0	12	54	0	0	0	65	4	1	21	0	18
Otsego	71	0	6	65	0	0	39	32	2	1	0	0	18
Otsego Twp.	240	0	40	200	0	0	128	112	9	3	45	0	57
Overisel Twp.	88	2	13	73	0	0	5	83	6	0	29	2	19
Plainwell	122	0	20	102	0	28	58	36	5	1	1	0	27
Salem Twp.	93	0	12	81	0	0	0	93	1	0	50	0	19
Saugatuck	23	0	3	20	5	0	0	18	3	0	1	0	3
Saugatuck Twp.	149	1	29	119	79	0	8	62	9	2	39	1	62
South Haven	0	0	0	0	0	0	0	0	0	0	0	0	0
Trowbridge Twp.	116	1	16	99	0	0	60	56	2	4	49	1	22
Valley Twp.	73	0	14	59	0	0	32	41	5	0	32	0	26
Watson Twp.	129	1	15	113	0	32	37	60	5	5	59	1	21
Wayland	62	0	12	50	0	20	0	41	4	1	3	0	17
Wayland Twp.	227	1	29	197	0	98	34	95	23	2	56	1	35
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3,673	16	574	3,083	328	576	721	2,044	160	50	886	16	823

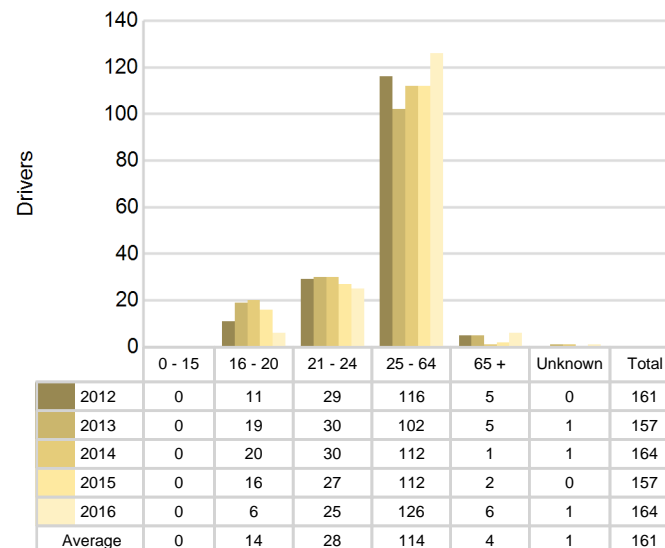
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	5	0	6	0	12	0	20	0	11	0
16 - 20	588	11	632	19	649	20	579	16	672	6
21 - 24	447	29	500	30	485	30	442	27	506	25
25 - 64	2,888	116	3,038	102	3,304	112	2,999	112	3,343	126
65 +	431	5	425	5	408	1	431	2	477	6
Unknown	156	0	164	1	177	1	167	0	193	1
Total	4,515	161	4,765	157	5,035	164	4,638	157	5,202	164

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	9	10	5	6	0	0	4	1	1
21 - 24	29	24	22	25	0	4	11	4	6
25 - 64	160	135	105	126	1	14	38	28	45
65 +	11	10	6	6	0	1	1	0	4
Unknown	4	1	0	1	0	0	0	0	1
Total	213	180	138	164	1	19	54	33	57

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 213 drivers in alcohol-involved crashes; 164 (77.0%) of those drivers were coded as had-been-drinking by the officer on the crash form.

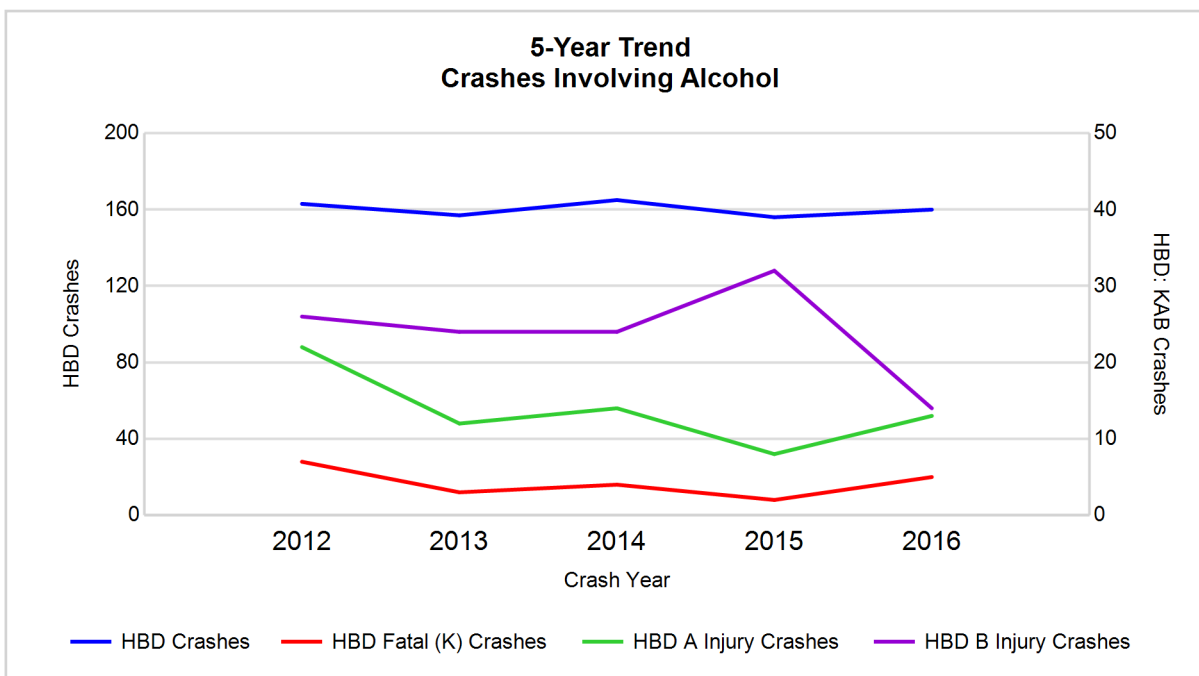
- 87 (53.0%) of the 164 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 33 (37.9%) of the 87 drivers had a BAC at or above 0.17 g/dL.
- 138 (84.1%) of the 164 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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	3,257	163	5.0	13	7	53.8	73	22	30.1	190	26	13.7
2013	3,452	157	4.5	14	3	21.4	75	12	16.0	171	24	14.0
2014	3,498	165	4.7	11	4	36.4	63	14	22.2	183	24	13.1
2015	3,244	156	4.8	14	2	14.3	62	8	12.9	167	32	19.2
2016	3,673**	160	4.4*	16**	5	31.3	91**	13	14.3	191**	14*	7.3*

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



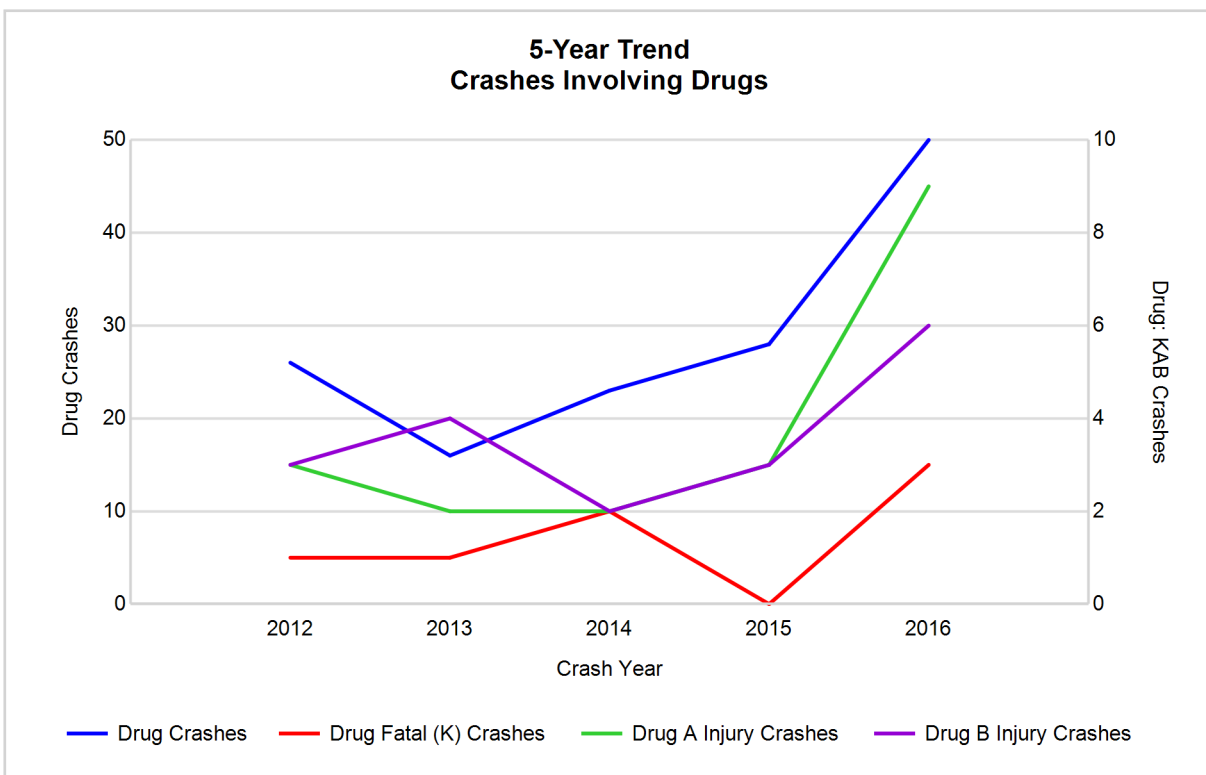
Note: Had-Been-Drinking (HBD)

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	3,257	26	0.8	13	1	7.7	73	3	4.1	190	3	1.6
2013	3,452	16	0.5	14	1	7.1	75	2	2.7	171	4	2.3
2014	3,498	23	0.7	11	2	18.2	63	2	3.2	183	2	1.1
2015	3,244	28	0.9	14	0	0.0	62	3	4.8	167	3	1.8
2016	3,673**	50**	1.4**	16**	3**	18.8**	91**	9**	9.9**	191**	6**	3.1**

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

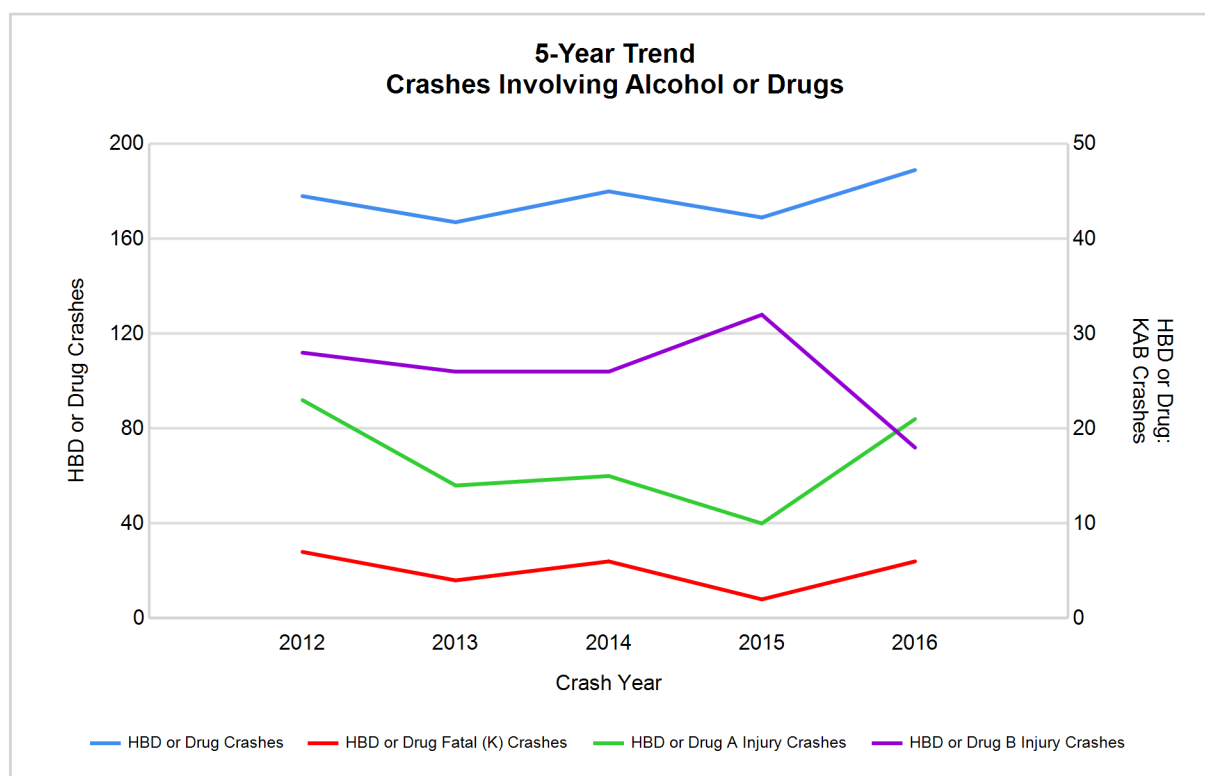


5-Year Trend - Crashes Involving Alcohol or Drugs

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	3,257	178	5.5	13	7	53.8	73	23	31.5	190	28	14.7
2013	3,452	167	4.8	14	4	28.6	75	14	18.7	171	26	15.2
2014	3,498	180	5.1	11	6	54.5	63	15	23.8	183	26	14.2
2015	3,244	169	5.2	14	2	14.3	62	10	16.1	167	32	19.2
2016	3,673**	189**	5.1	16**	6	37.5	91**	21	23.1	191**	18*	9.4*

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



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	4,010	3,800	94.8	11	6	54.5	71	60	84.5	166	146	88.0	339	327	96.5	3,323	3,260	98.1
Motor home	116	109	94.0	0	0	0.0	0	0	0.0	4	3	75.0	7	7	100.0	101	99	98.0
Pickup truck	869	825	94.9	0	0	0.0	10	9	90.0	37	30	81.1	62	59	95.2	745	727	97.6
Small truck under 10,000 lbs. GVWR	66	62	93.9	0	0	0.0	2	1	50.0	5	5	100.0	3	3	100.0	56	53	94.6
Motorcycle	45	25	55.6	2	0	0.0	6	5	83.3	15	6	40.0	11	6	54.5	10	8	80.0
Moped / goped	10	3	30.0	1	0	0.0	5	1	20.0	1	1	100.0	1	1	100.0	2	0	0.0
Go-cart / golf cart	2	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	1	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	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	35	11	31.4	0	0	0.0	0	0	0.0	7	1	14.3	9	1	11.1	16	9	56.3
Truck/bus over 10,000 lbs.	221	213	96.4	1	0	0.0	1	0	0.0	4	4	100.0	20	20	100.0	192	189	98.4
Unknown	62	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	5,437	5,049	92.9	15	6	0.0	96	77	80.2	240	196	81.7	453	424	93.6	4,445	4,345	97.8

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	82	68	82.9	0	0	0.0	4	2	50.0	17	11	64.7	52	47	90.4	9	8	88.9
16 - 20	712	688	96.6	2	1	50.0	6	3	50.0	44	38	86.4	56	51	91.1	604	595	98.5
21 - 24	522	496	95.0	1	1	100.0	12	8	66.7	23	18	78.3	37	34	91.9	449	435	96.9
25 - 64	3,430	3,309	96.5	9	2	22.2	61	51	83.6	140	115	82.1	263	248	94.3	2,955	2,892	97.9
65 +	498	487	97.8	3	2	66.7	13	13	100.0	16	14	87.5	45	44	97.8	421	414	98.3
Unknown	193	1	0.5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	7	1	14.3
Total	5,437	5,049	92.9	15	6	0.0	96	77	80.2	240	196	81.7	453	424	93.6	4,445	4,345	97.8

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	40	1	12	28	0	4	37	0	5	46	0	8	21	0	1
Shoulder belt only used	2	0	1	2	0	0	0	0	0	70	0	5	113	0	4
Lap belt only used	9	1	2	5	0	0	22	0	2	13	0	1	17	0	2
Both lap & shoulder belts used	4,113	1	448	4,369	4	431	4,618	9	485	4,190	6	429	4,701	4	483
No belts used	41	5	15	33	1	12	35	1	21	25	3	6	31	3	15
Child restraint used	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Child restraint not used, unavailable or improper use	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Restraint failure	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0
Restraint use unknown	101	0	11	102	0	9	106	0	19	80	0	11	191	2	15
Helmet worn	50	0	39	35	1	20	24	2	20	27	0	21	27	0	19
Helmet not worn	17	3	10	14	1	12	10	0	9	17	0	14	23	2	17
Helmet use unknown	2	1	1	2	0	1	3	0	3	5	1	2	2	1	1
Uncoded & errors	137	0	2	173	0	4	179	0	1	165	0	2	76	0	0
Total	4,515	12	542	4,765	7	494	5,035	12	566	4,638	10	499	5,202	12	557

5-Year Trend - Restraint Use Among Drivers Coded Drinking

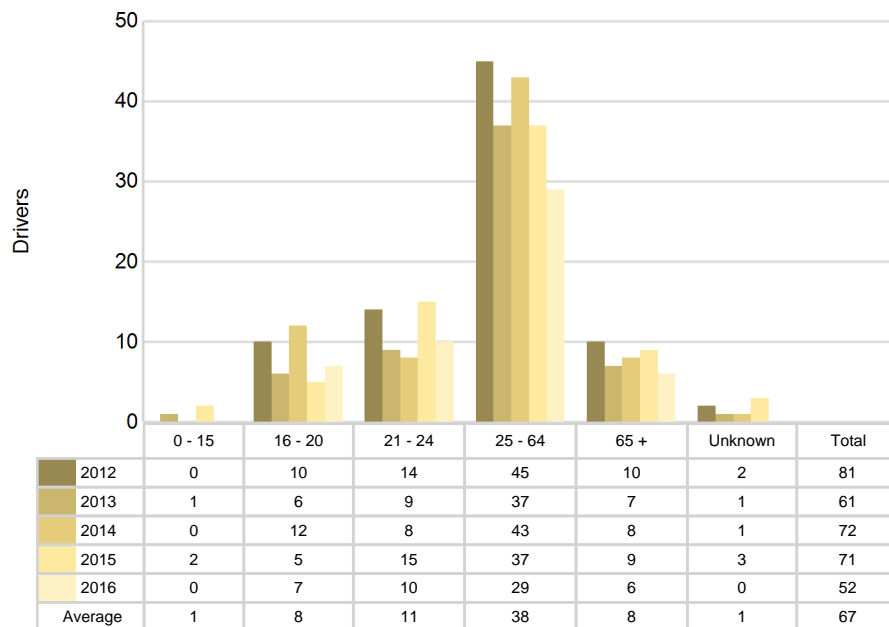
Restraint Use	2012			2013			2014			2015			2016		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	5	0	3	1	0	0	3	0	1	0	0	0	1	0	0
Shoulder belt only used	1	0	1	0	0	0	0	0	0	5	0	1	7	0	0
Lap belt only used	2	1	0	0	0	0	1	0	1	0	0	0	0	0	0
Both lap & shoulder belts used	115	0	42	124	1	35	127	2	35	115	0	37	121	1	33
No belts used	11	3	7	10	0	5	8	0	8	6	0	3	7	2	4
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	1	0	1	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	18	0	4	18	0	2	20	0	5	23	0	5	24	0	7
Helmet worn	4	0	3	2	0	2	1	0	1	0	0	0	2	0	0
Helmet not worn	5	2	1	1	0	1	1	0	1	5	0	4	2	1	1
Helmet use unknown	0	0	0	0	0	0	2	0	2	3	1	1	0	0	0
Uncoded & errors	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Total	161	6	61	157	1	46	164	2	55	157	1	51	164	4	45

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	1	0	1	0	0	0	2	0	1	0	0	0
16 - 20	10	0	3	6	0	2	12	0	5	5	0	1	7	1	2
21 - 24	14	2	7	9	0	3	8	0	2	15	0	1	10	0	3
25 - 64	45	4	14	37	1	10	43	0	16	37	3	8	29	1	9
65 +	10	0	3	7	0	0	8	1	3	9	0	3	6	1	2
Unknown	2	0	0	1	0	0	1	0	0	3	0	0	0	0	0
Total	81	6	27	61	1	16	72	1	26	71	3	14	52	3	16

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

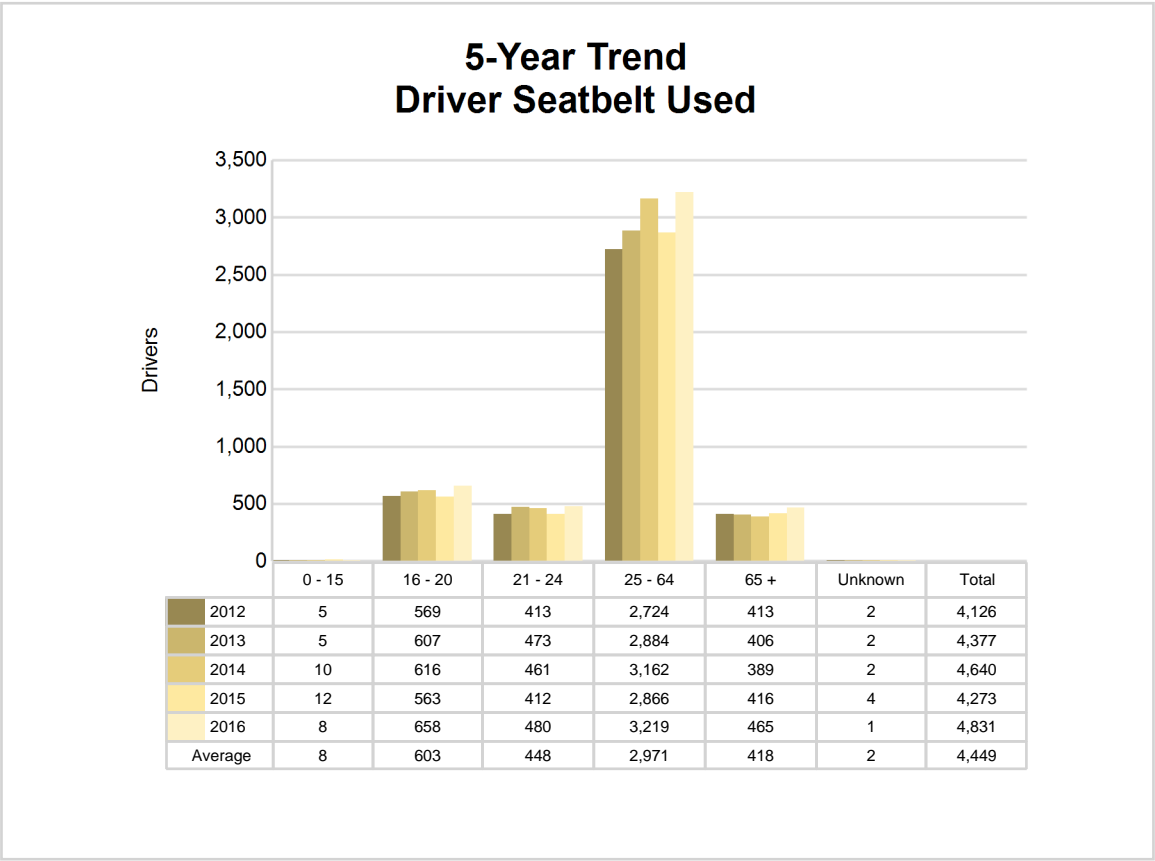
5-Year Trend Driver Seatbelt Not Used



5-Year Trend - Seatbelt Used Among Drivers by Age

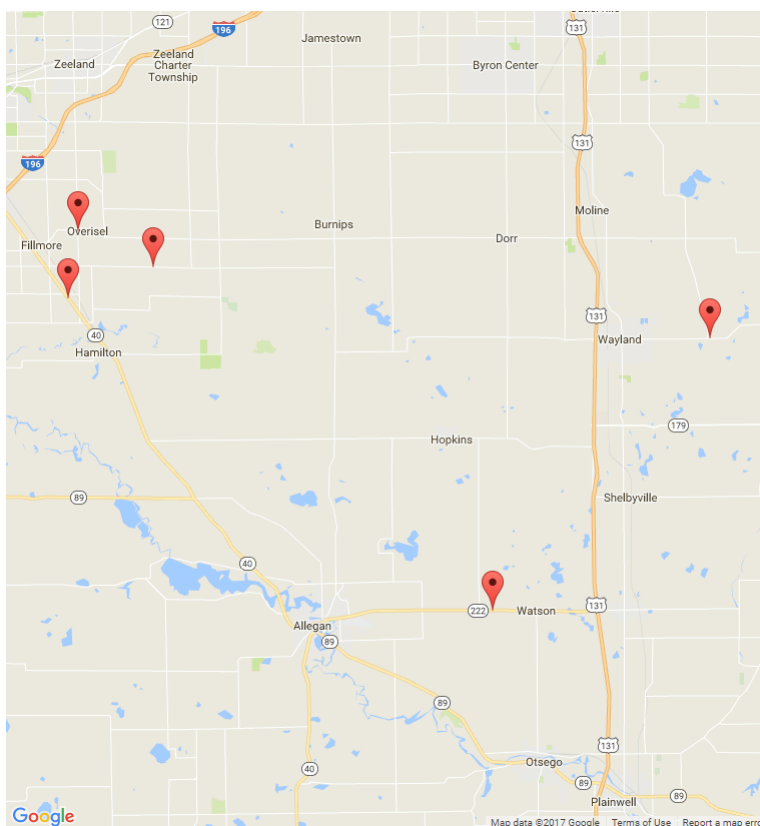
Age Group	2012			2013			2014			2015			2016		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	5	0	1	5	0	0	10	0	1	12	0	1	8	0	0
16 - 20	569	0	83	607	0	90	616	0	74	563	2	66	658	1	62
21 - 24	413	0	55	473	0	48	461	3	68	412	1	44	480	1	45
25 - 64	2,724	1	270	2,884	4	261	3,162	3	294	2,866	3	275	3,219	2	330
65 +	413	1	43	406	0	32	389	3	50	416	0	49	465	0	52
Unknown	2	0	0	2	0	0	2	0	0	4	0	0	1	0	0
Total	4,126	2	452	4,377	4	431	4,640	9	487	4,273	6	435	4,831	4	489

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	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	2,339	10	2,351	10	2,500	9	2,440	7	2,635	10
Speed too fast	512	1	789	1	724	0	569	4	787	3
Speed too slow	3	0	6	0	4	0	6	0	8	0
Failed to yield	316	2	331	2	374	1	337	2	375	1
Disregard traffic control	58	0	48	2	56	0	54	1	63	1
Drove wrong way	5	0	4	1	3	1	2	0	0	0
Drove left of center	25	0	32	1	52	2	34	1	37	0
Improper passing	28	1	24	0	21	0	31	0	34	0
Improper lane use	51	0	47	0	37	0	45	0	50	0
Improper turn	26	0	33	0	33	0	30	0	28	0
Improper/no signal	9	0	7	0	12	1	20	0	10	0
Improper backing	46	0	45	0	68	0	47	0	50	0
Unable to stop in assured clear distance	431	0	398	0	501	0	469	0	538	0
Other	275	1	295	1	313	4	252	4	244	3
Unknown	93	3	83	1	69	1	81	2	114	3
Reckless driving	38	1	30	1	34	1	39	0	35	2
Careless/negligent driving	189	3	163	4	161	1	162	1	178	1
Uncoded & errors	71	0	79	0	73	0	20	0	16	0
Total	4,515	22	4,765	24	5,035	21	4,638	22	5,202	24



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

In 2016, there were 160 alcohol-involved crashes in Allegan County:

5	K - Fatal Crashes
13	A - Suspected Serious Injury Crashes
14	B - Suspected Minor Injury Crashes
24	C - Possible Injury Crashes
104	O - Property Damage Only/No Injury Crashes

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