



2015

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 = Incapacitating Injury

B = Non-incapacitating Injury

C = Possible Injury

O = No Injury

Property Damage Only (PDO)



Shiawassee County

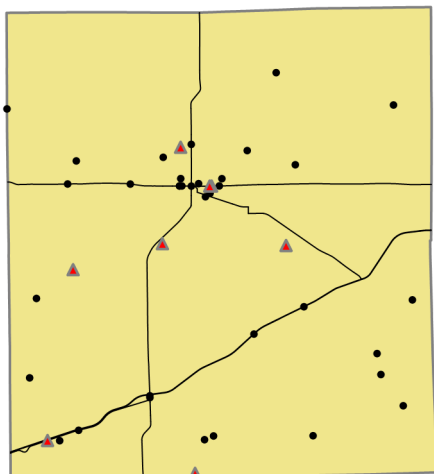
2015 Traffic Crash Data & 2011-2015 5-Year Trends



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 (8/8)
- A - Incapacitating (35/35)

Shiawassee County

In 2015:

There were 2,577 drivers involved in 1,897 motor vehicle crashes in Shiawassee County. Of those crashes, 8 were classified as fatal, resulting in 8 fatalities. An additional 433 persons were injured.

Shiawassee County experienced the highest number of motor vehicle crashes (281) in November, the highest number of fatal crashes (2) and the highest number of persons killed (2) in September and October.

Michigan driver statistics indicate 6.8 percent of licensed drivers in Shiawassee County were age 16-20, and 14.9 percent of drivers in crashes were also in that age group.

2015 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	211	1	27	183	1	41
February	169	0	16	153	0	19
March	130	0	17	113	0	20
April	126	1	21	104	1	28
May	130	0	32	98	0	45
June	149	1	35	113	1	46
July	99	0	22	77	0	27
August	107	0	31	76	0	36
September	125	2	28	95	2	40
October	218	2	37	179	2	53
November	281	1	33	247	1	52
December	152	0	19	133	0	26
Total	1,897	8	318	1,571	8	433

2015 - Driver Statistics

Age Group	Statewide			Driver Rates	
	2015 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	13,086	411	7	5.3	170.3
16 - 20	4,669	3,626	385	824.6	1,061.8
21 - 24	3,403	3,428	262	769.9	764.3
25 - 64	35,905	34,793	1,551	432.0	445.8
65 +	11,556	10,908	280	242.3	256.7
Unknown	--	--	92	--	--
Total	68,619	53,166	2,577	375.6	484.7

2015 - 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 & station wagon	1,833	71.1	9	64.3	344	1,480
Van & motorhome	114	4.4	0	0.0	20	94
Pickup truck	437	17.0	1	7.1	82	354
Small truck under 10,000 lbs. GVWR	55	2.1	1	7.1	14	40
Cycle	31	1.2	3	21.4	22	6
Moped	2	0.1	0	0.0	2	0
Go 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	0.1	0	0.0	2	0
Other	4	0.2	0	0.0	0	4
Truck/bus over 10,000 lbs.	62	2.4	0	0.0	15	47
Unknown	37	1.4	0	0.0	1	36
Total	2,577	100.0	14	100.0	502	2,061

Shiawassee County (continued)

5-Year Trend - Crashes by Month

Month	2011		2012		2013		2014		2015	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	232	0	177	0	178	0	187	0	211	1
February	139	0	146	0	139	0	147	1	169	0
March	137	0	105	2	130	0	173	0	130	0
April	115	0	106	1	117	0	119	0	126	1
May	141	0	137	0	131	2	131	1	130	0
June	165	1	143	1	155	0	147	1	149	1
July	142	0	118	1	114	0	100	0	99	0
August	103	0	103	1	112	0	99	0	107	0
September	133	0	118	0	139	0	104	1	125	2
October	229	1	214	0	214	1	183	1	218	2
November	299 †	3	233 †	1	249 †	0	249 †	0	281 †	1
December	206	1	202	0	220	0	133	0	152	0
Total	2,041	6	1,802	7	1,898	3	1,772	5	1,897	8

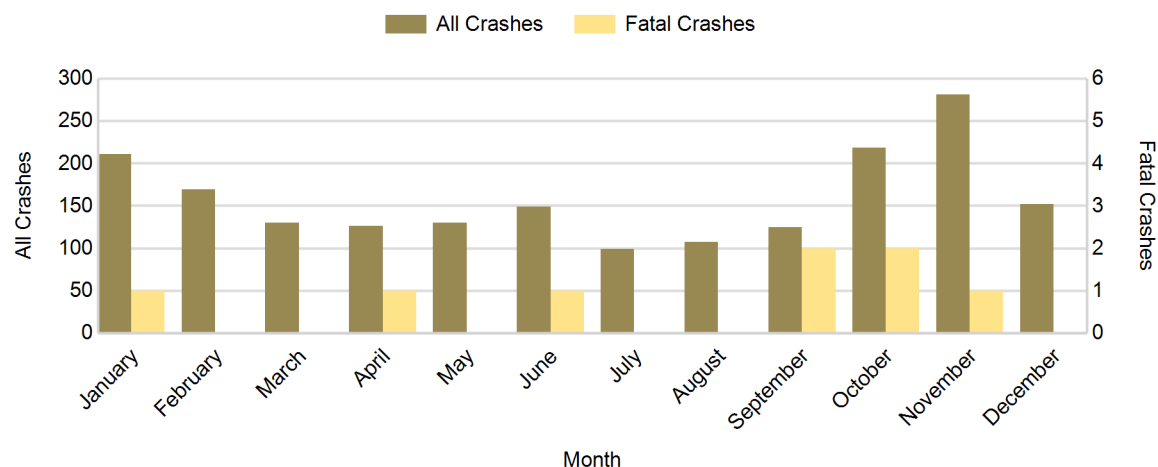
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

5-Year Trend - Crashes by Day of Week

Day	2011		2012		2013		2014		2015	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	306	0	253	2	260	0	229	0	285	1
Tuesday	347	2	245	0	269	0	229	0	276	1
Wednesday	270	2	266	0	292	0	270	2	239	1
Thursday	282	0	251	2	288	0	302	0	258	0
Friday	329	1	344	0	314	2	292	0	313	0
Saturday	298	0	225	2	250	1	213	1	327	3
Sunday	209	1	218	1	225	0	237	2	199	2
Total	2,041	6	1,802	7	1,898	3	1,772	5	1,897	8

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

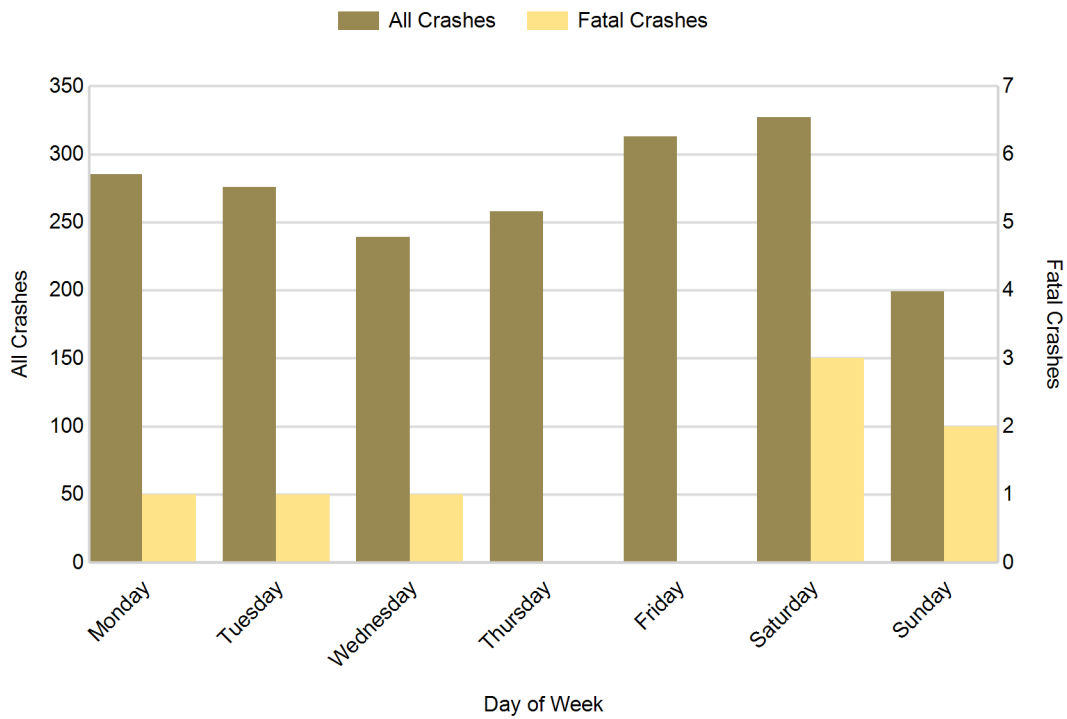
2015 Crashes by Month



2015 - 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	285	15.0	1	12.5	5	14	34	231
Tuesday	276	14.5	1	12.5	2	16	26	231
Wednesday	239	12.6	1	12.5	4	9	24	201
Thursday	258	13.6	0	0.0	8	8	21	221
Friday	313	16.5	0	0.0	5	10	33	265
Saturday	327	17.2	3	37.5	7	22	34	261
Sunday	199	10.5	2	25.0	4	20	12	161
Total	1,897	100.0	8	100.0	35	99	184	1,571

2015 Day of Week and Severity

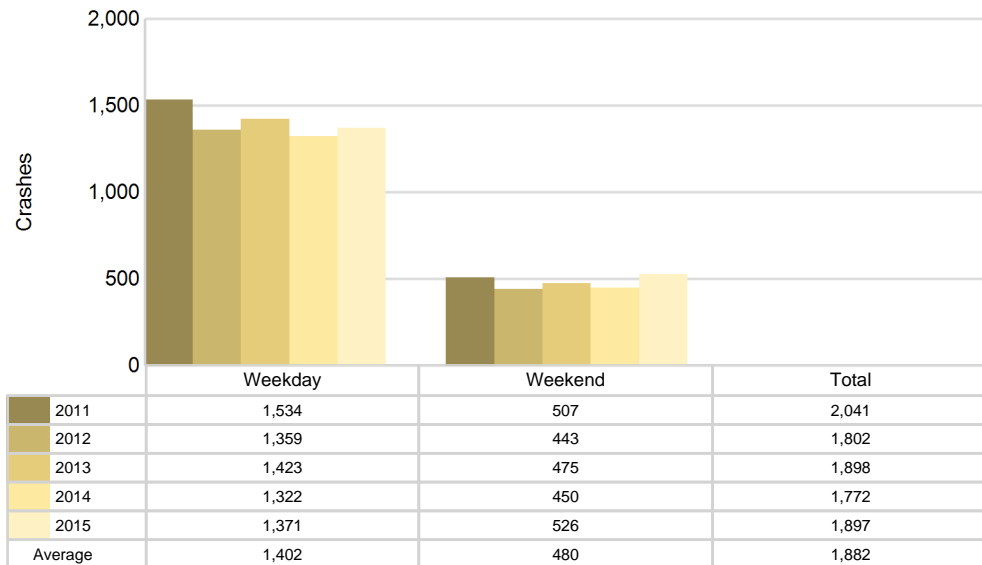


Shiawassee County (continued)

5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2011		2012		2013		2014		2015	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	1,534	5	1,359	4	1,423	2	1,322	2	1,371	3
Weekend	507	1	443	3	475	1	450	3	526	5
Total	2,041	6	1,802	7	1,898	3	1,772	5	1,897	8

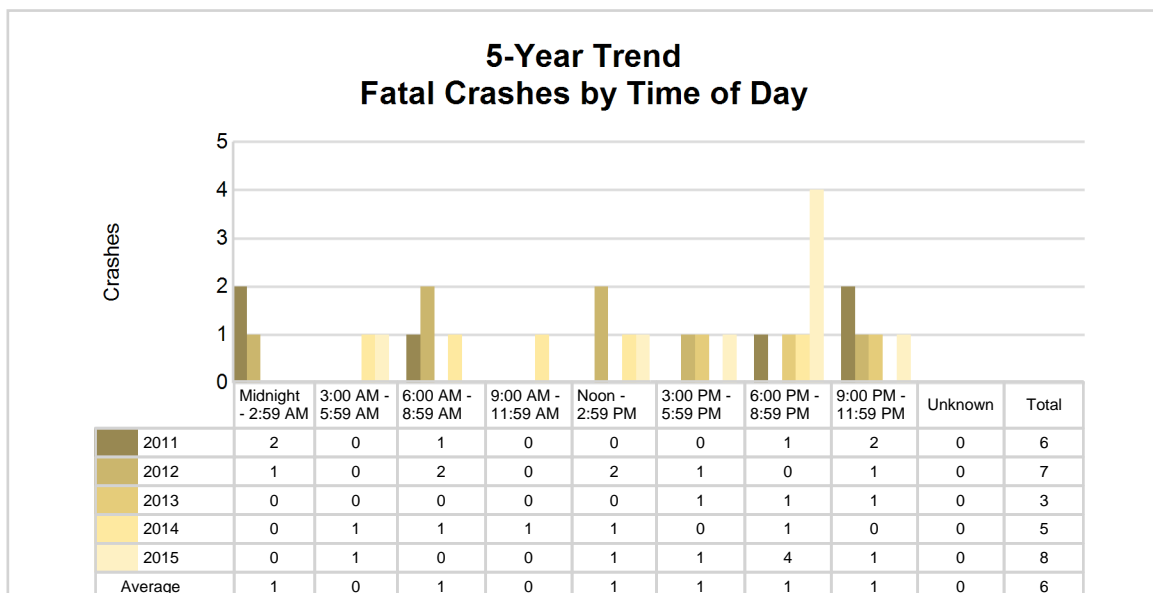
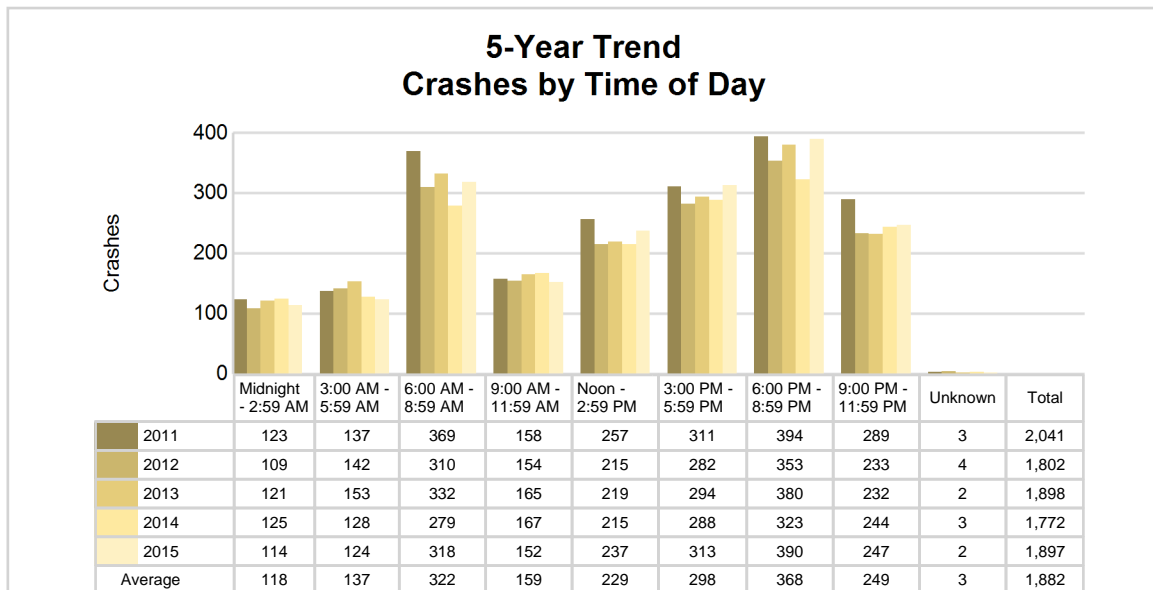
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

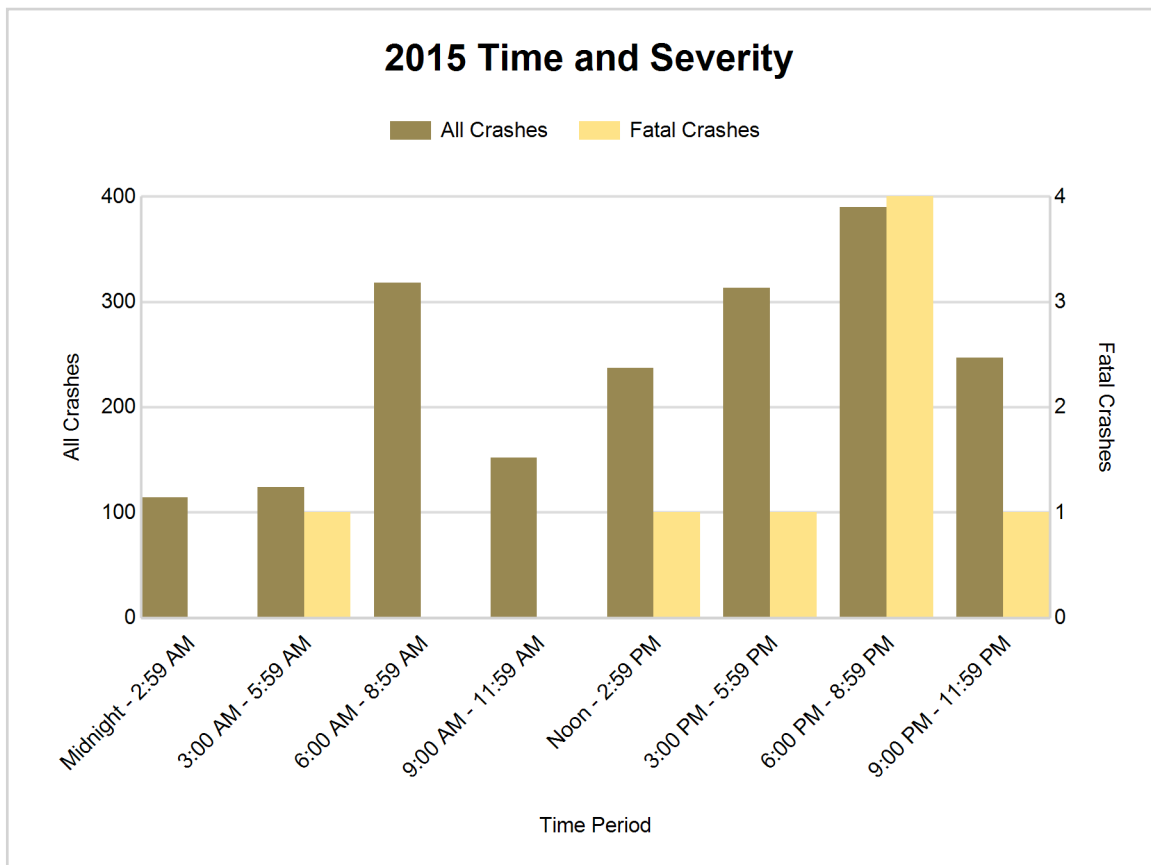
Time of Day	2011		2012		2013		2014		2015	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	123	2	109	1	121	0	125	0	114	0
3:00 AM - 5:59 AM	137	0	142	0	153	0	128	1	124	1
6:00 AM - 8:59 AM	369	1	310	2	332	0	279	1	318	0
9:00 AM - 11:59 AM	158	0	154	0	165	0	167	1	152	0
Noon - 2:59 PM	257	0	215	2	219	0	215	1	237	1
3:00 PM - 5:59 PM	311	0	282	1	294	1	288	0	313	1
6:00 PM - 8:59 PM	394 †	1	353 †	0	380 †	1	323 †	1	390 †	4
9:00 PM - 11:59 PM	289	2	233	1	232	1	244	0	247	1
Unknown	3	0	4	0	2	0	3	0	2	0
Total	2,041	6	1,802	7	1,898	3	1,772	5	1,897	8

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



2015 - Time and Severity

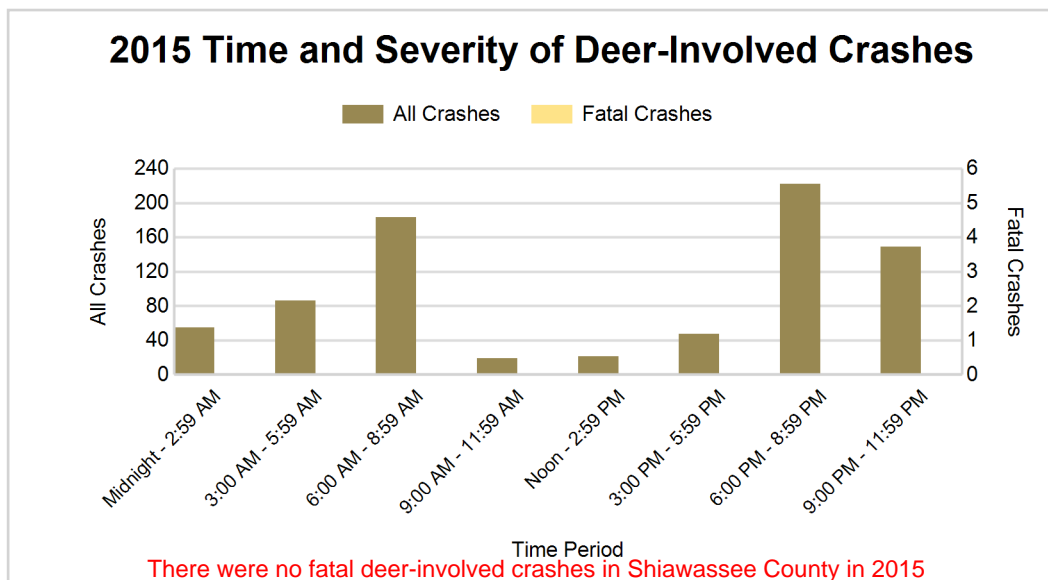
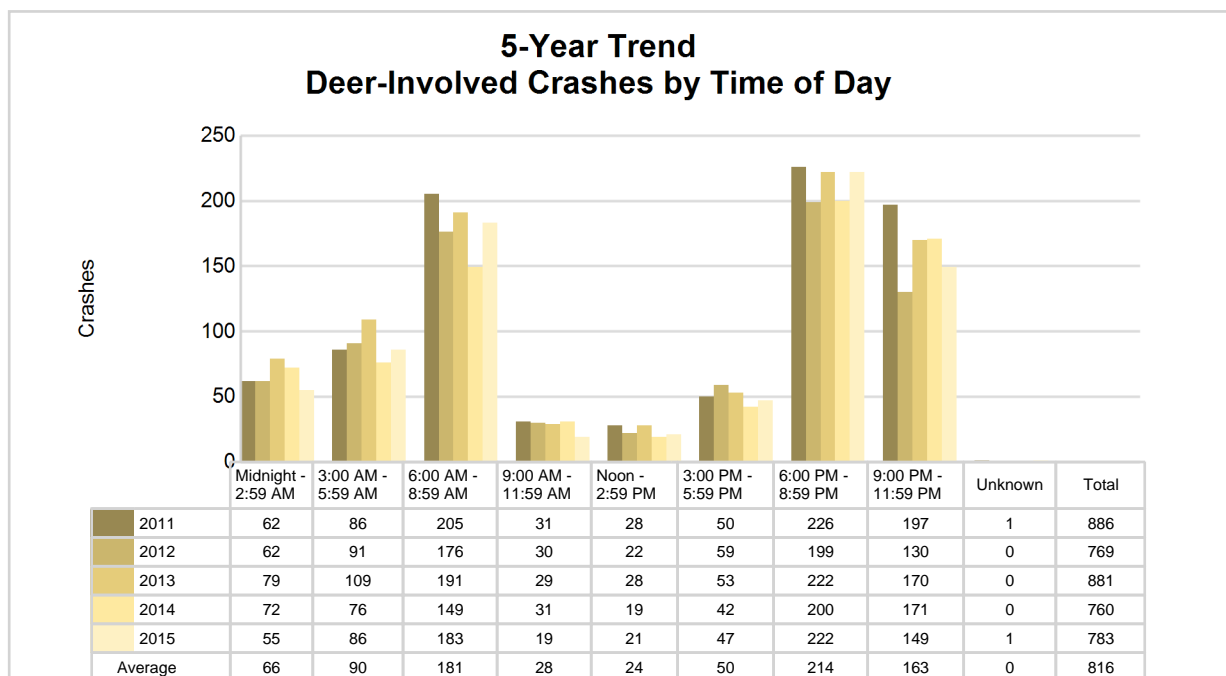
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	114	6.0	0	0.0	3	7	5	99
3:00 AM - 5:59 AM	124	6.5	1	12.5	1	5	6	111
6:00 AM - 8:59 AM	318	16.8	0	0.0	4	11	27	276
9:00 AM - 11:59 AM	152	8.0	0	0.0	3	13	26	110
Noon - 2:59 PM	237	12.5	1	12.5	6	16	41	173
3:00 PM - 5:59 PM	313	16.5	1	12.5	11	21	43	237
6:00 PM - 8:59 PM	390	20.6	4	50.0	3	21	18	344
9:00 PM - 11:59 PM	247	13.0	1	12.5	4	5	18	219
Unknown	2	0.1	0	0.0	0	0	0	2
Total	1,897	100.0	8	100.0	35	99	184	1,571



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

Time of Day	2011		2012		2013		2014		2015	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	62	0	62	1	79	0	72	0	55	0
3:00 AM - 5:59 AM	86	0	91	0	109	0	76	0	86	0
6:00 AM - 8:59 AM	205	0	176	0	191	0	149	0	183	0
9:00 AM - 11:59 AM	31	0	30	0	29	0	31	0	19	0
Noon - 2:59 PM	28	0	22	0	28	0	19	0	21	0
3:00 PM - 5:59 PM	50	0	59	1	53	0	42	0	47	0
6:00 PM - 8:59 PM	226 †	0	199 †	0	222 †	0	200 †	0	222 †	0
9:00 PM - 11:59 PM	197	0	130	0	170	0	171	0	149	0
Unknown	1	0	0	0	0	0	0	0	1	0
Total	886	0	769	2	881	0	760	0	783	0

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



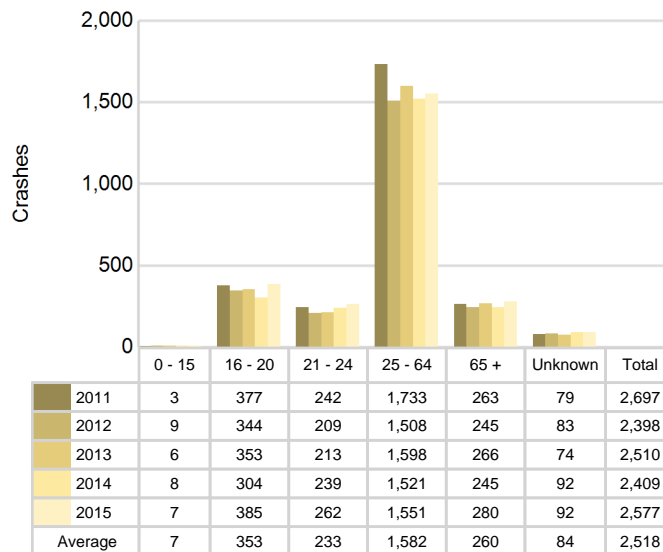
2015 - Reported Motor Vehicle Crashes by Municipality

Municipality	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Antrim Twp.	64	0	12	52	2	0	0	62	3	0	39	0	14
Bancroft	4	0	1	3	0	0	0	4	2	0	1	0	1
Bennington Twp.	119	0	14	105	0	0	64	55	4	0	79	0	19
Burns Twp.	97	0	14	83	0	0	0	97	3	1	61	0	18
Byron	7	0	0	7	0	0	0	7	0	0	0	0	0
Caledonia Twp.	144	1	29	114	0	0	85	59	3	0	37	1	33
Corunna	65	0	11	54	0	0	43	22	4	1	12	0	15
Durand	32	0	3	29	0	0	0	32	2	0	0	0	4
Fairfield Twp.	32	0	6	26	0	0	0	32	0	0	24	0	7
Hazelton Twp.	29	0	6	23	0	0	3	26	0	0	19	0	8
Laingsburg	9	0	0	9	0	0	0	9	0	0	2	0	0
Lennon	6	0	1	5	0	0	4	2	0	0	1	0	1
Middlebury Twp.	49	0	6	43	0	0	29	20	4	1	29	0	9
Morrice	5	0	0	5	0	0	0	5	0	0	3	0	0
New Haven Twp.	30	0	10	20	0	0	0	30	2	0	9	0	16
New Lothrop	5	0	1	4	0	0	0	5	0	0	2	0	1
Ovid	0	0	0	0	0	0	0	0	0	0	0	0	0
Owosso	222	1	65	156	0	0	118	104	12	3	8	1	89
Owosso Twp.	127	2	26	99	0	0	64	63	10	2	61	2	38
Perry	44	0	5	39	0	0	33	11	2	0	16	0	5
Perry Twp.	147	1	24	122	45	0	44	58	5	1	66	1	34
Rush Twp.	65	0	11	54	0	0	31	34	5	1	36	0	13
Sciota Twp.	56	1	2	53	0	0	0	56	1	0	45	1	5
Shiawassee Twp.	154	1	16	137	65	0	4	85	5	1	79	1	23
Venice Twp.	85	0	13	72	20	0	31	34	6	1	20	0	19
Vernon	6	0	1	5	0	0	3	3	0	0	2	0	1
Vernon Twp.	140	0	16	124	36	0	5	99	4	0	58	0	22
Woodhull Twp.	154	1	25	128	52	0	15	87	2	0	74	1	38
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,897	8	318	1,571	220	0	576	1,101	79	12	783	8	433

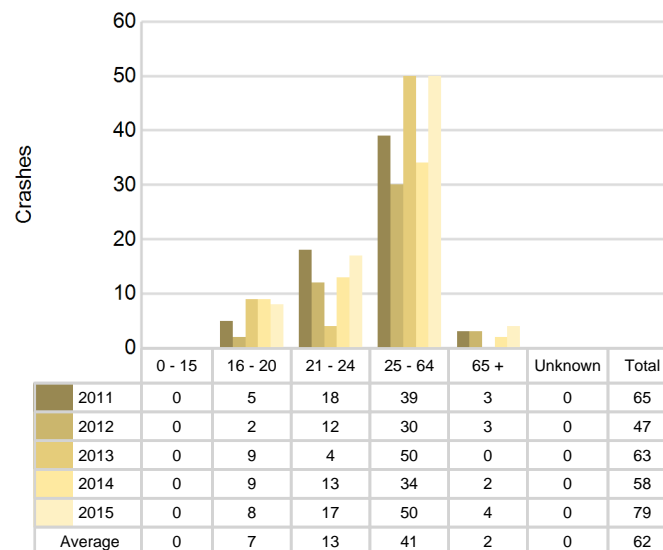
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2011		2012		2013		2014		2015	
	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	9	0	6	0	8	0	7	0
16 - 20	377	5	344	2	353	9	304	9	385	8
21 - 24	242	18	209	12	213	4	239	13	262	17
25 - 64	1,733	39	1,508	30	1,598	50	1,521	34	1,551	50
65 +	263	3	245	3	266	0	245	2	280	4
Unknown	79	0	83	0	74	0	92	0	92	0
Total	2,697	65	2,398	47	2,510	63	2,409	58	2,577	79

5-Year Trend Total Drivers in Crashes by Age



5-Year Trend Total Drivers Coded Drinking by Age



2015 - 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	12	12	8	8	0	0	3	2	3
21 - 24	18	13	11	17	0	1	2	3	11
25 - 64	59	48	39	50	0	3	12	14	21
65 +	4	5	2	4	0	0	2	0	2
Unknown	6	0	0	0	0	0	0	0	0
Total	99	78	60	79	0	4	19	19	37

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 2015, there were 99 drivers in alcohol-involved crashes; 79 (79.8%) of those drivers were coded as had-been-drinking by the officer on the crash form.

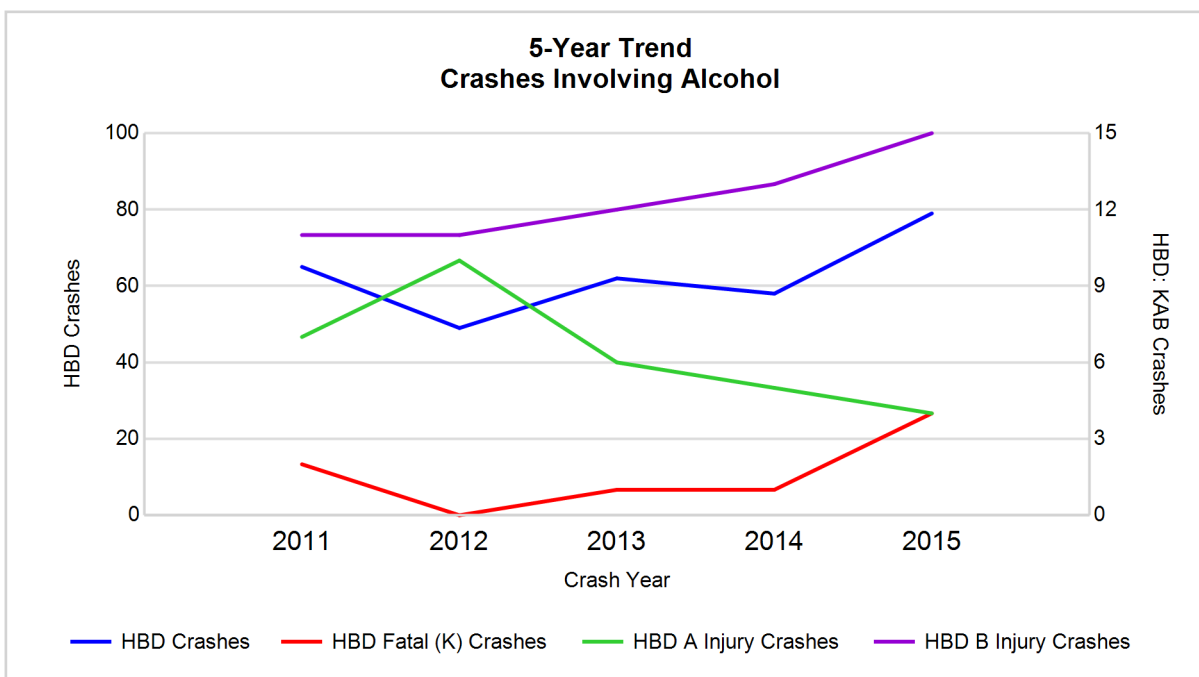
- 38 (48.1%) of the 79 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 19 (50.0%) of the 38 drivers had a BAC at or above 0.17 g/dL.
- 60 (75.9%) of the 79 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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
2011	2,041	65	3.2	6	2	33.3	52	7	13.5	110	11	10.0
2012	1,802	49	2.7	7	0	0.0	42	10	23.8	99	11	11.1
2013	1,898	62	3.3	3	1	33.3	53	6	11.3	96	12	12.5
2014	1,772	58	3.3	5	1	20.0	35	5	14.3	81	13	16.0
2015	1,897	79**	4.2**	8**	4**	50.0**	35	4*	11.4	99	15**	15.2

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

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



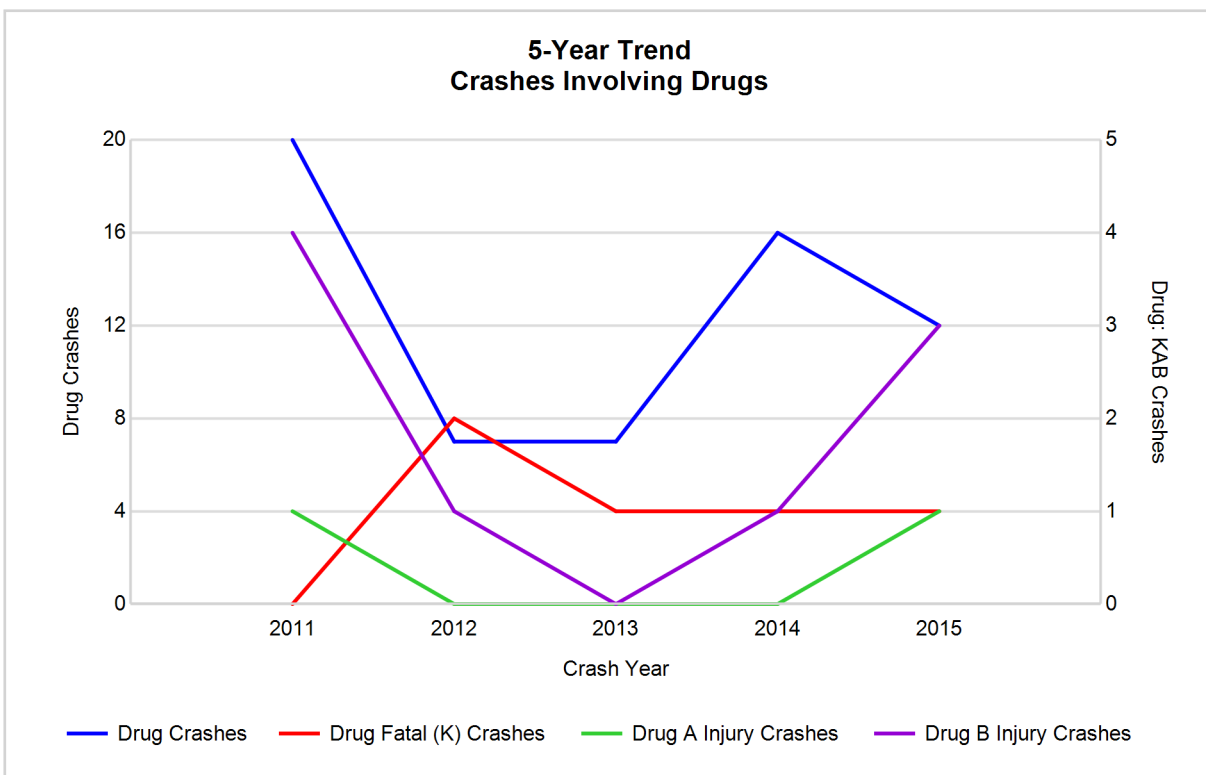
Note: Had-Been-Drinking (HBD)

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
2011	2,041	20	1.0	6	0	0.0	52	1	1.9	110	4	3.6
2012	1,802	7	0.4	7	2	28.6	42	0	0.0	99	1	1.0
2013	1,898	7	0.4	3	1	33.3	53	0	0.0	96	0	0.0
2014	1,772	16	0.9	5	1	20.0	35	0	0.0	81	1	1.2
2015	1,897	12	0.6	8**	1	12.5	35	1	2.9**	99	3	3.0

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

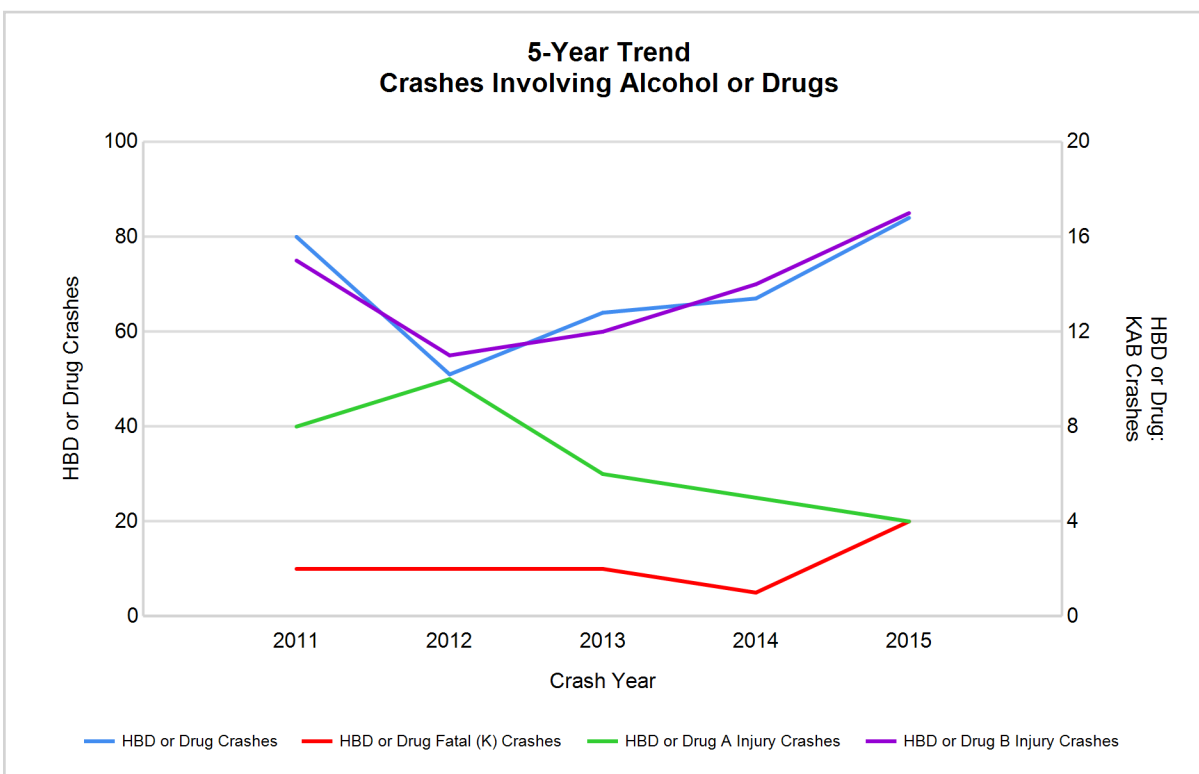


5-Year Trend - Crashes Involving Alcohol or Drugs

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
2011	2,041	80	3.9	6	2	33.3	52	8	15.4	110	15	13.6
2012	1,802	51	2.8	7	2	28.6	42	10	23.8	99	11	11.1
2013	1,898	64	3.4	3	2	66.7	53	6	11.3	96	12	12.5
2014	1,772	67	3.8	5	1	20.0	35	5	14.3	81	14	17.3
2015	1,897	84**	4.4**	8**	4**	50.0	35	4*	11.4	99	17**	17.2

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

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



Note: Had-Been-Drinking (HBD)

Shiawassee County (continued)

13

2015 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Vehicle Type

Vehicle Type	Total Occupants			Fatalities			A - Incapacitating			B - Non-incapacitating			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 & station wagon	1,910	1,819	95.2	3	2	66.7	21	19	90.5	78	64	82.1	206	200	97.1	1,563	1,532	98.0
Van & motorhome	122	115	94.3	0	0	0.0	2	2	100.0	8	8	100.0	13	13	100.0	95	92	96.8
Pickup truck	449	421	93.8	1	0	0.0	6	5	83.3	11	8	72.7	27	27	100.0	393	381	96.9
Small truck under 10,000 lbs. GVWR	56	52	92.9	1	0	0.0	0	0	0.0	3	3	100.0	7	7	100.0	44	42	95.5
Cycle	34	15	44.1	3	0	0.0	7	4	57.1	11	4	36.4	5	3	60.0	8	4	50.0
Moped	2	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0	0	0	0.0
Go 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	1	33.3	0	0	0.0	0	0	0.0	3	1	33.3	0	0	0.0	0	0	0.0
Other	4	1	25.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	1	25.0
Truck/bus over 10,000 lbs.	65	57	87.7	0	0	0.0	0	0	0.0	4	1	25.0	5	5	100.0	54	51	94.4
Unknown	37	1	2.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Total	2,682	2,482	92.5	8	2	0.0	36	30	83.3	119	89	74.8	264	255	96.6	2,162	2,104	97.3

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.

2015 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Age

Age Group	Total Occupants			Fatalities			A - Incapacitating			B - Non-incapacitating			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	39	38	97.4	0	0	0.0	2	2	100.0	9	8	88.9	24	24	100.0	4	4	100.0
16 - 20	405	390	96.3	1	0	0.0	7	6	85.7	23	17	73.9	62	60	96.8	308	306	99.4
21 - 24	267	258	96.6	0	0	0.0	3	3	100.0	13	12	92.3	28	28	100.0	221	215	97.3
25 - 64	1,582	1,508	95.3	5	2	40.0	21	16	76.2	57	36	63.2	120	114	95.0	1,377	1,339	97.2
65 +	297	285	96.0	2	0	0.0	3	3	100.0	17	16	94.1	30	29	96.7	245	237	96.7
Unknown	92	3	3.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	7	3	42.9
Total	2,682	2,482	92.5	8	2	0.0	36	30	83.3	119	89	74.8	264	255	96.6	2,162	2,104	97.3

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	2011			2012			2013			2014			2015		
	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	5	13	0	2	14	0	5	16	1	8	10	0	3
Shoulder belt only used	3	0	0	0	0	0	70	1	6	29	0	2	1	0	0
Lap belt only used	9	0	1	6	0	2	7	0	0	5	0	0	9	0	0
Both lap & shoulder belts used	2,513	1	282	2,232	2	255	2,278	0	233	2,200	3	215	2,362	2	268
No belts used	17	4	4	11	0	6	9	1	8	23	1	9	26	3	14
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	0	0	0	0	0	0	0	0	0	0
Restraint failure	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Restraint use unknown	29	0	8	17	1	5	32	0	9	24	0	7	38	0	6
Helmet worn	19	1	15	18	0	13	17	0	11	7	1	5	16	0	12
Helmet not worn	2	0	2	12	1	10	5	0	5	5	0	4	15	3	10
Helmet use unknown	1	0	1	2	1	0	0	0	0	0	0	0	3	0	1
Uncoded & errors	85	0	2	85	0	0	78	0	2	100	0	0	97	0	0
Total	2,697	6	320	2,398	5	293	2,510	2	279	2,409	6	250	2,577	8	314

5-Year Trend - Restraint Use Among Drivers Coded Drinking

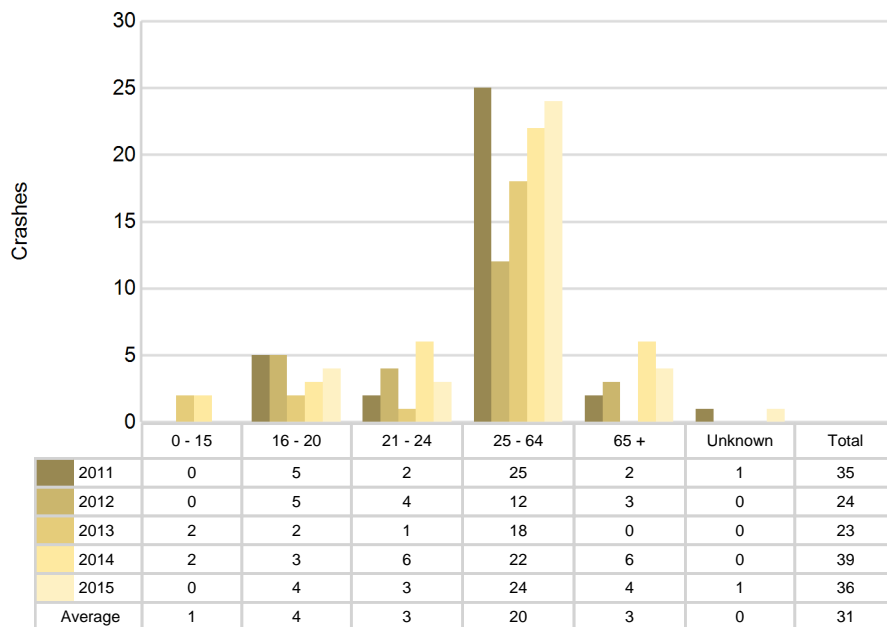
Restraint Use	2011			2012			2013			2014			2015		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	2	0	2	1	0	1	0	0	0	2	0	1	0	0	0
Shoulder belt only used	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Lap belt only used	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0
Both lap & shoulder belts used	51	1	17	35	0	13	44	0	12	43	1	9	52	1	15
No belts used	5	1	1	4	0	3	5	1	4	5	0	3	10	1	5
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	6	0	3	5	0	3	9	0	2	6	0	3	12	0	4
Helmet worn	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0
Helmet not worn	1	0	1	1	0	1	2	0	2	1	0	1	4	2	2
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	1	0	0	0	0	0
Total	65	2	24	47	0	22	63	1	22	58	1	17	79	4	26

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

Age Group	2011			2012			2013			2014			2015		
	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	2	0	0	2	0	1	0	0	0
16 - 20	5	0	3	5	0	1	2	0	2	3	0	3	4	1	3
21 - 24	2	0	0	4	0	3	1	0	0	6	0	2	3	0	1
25 - 64	25	4	6	12	0	3	18	1	11	22	0	10	24	0	13
65 +	2	0	0	3	0	1	0	0	0	6	2	1	4	2	0
Unknown	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Total	35	4	9	24	0	8	23	1	13	39	2	17	36	3	17

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

5-Year Trend Driver Seatbelt Not Used

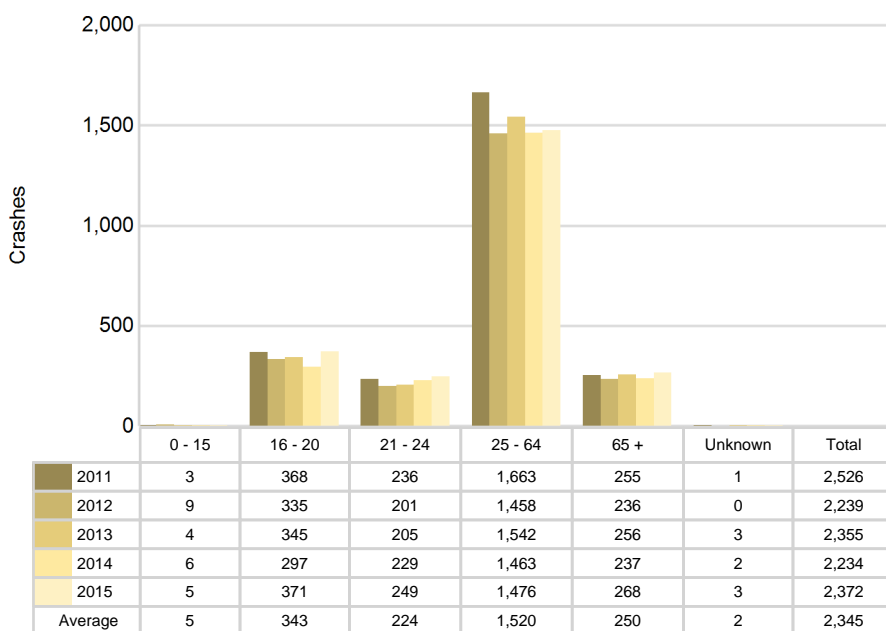


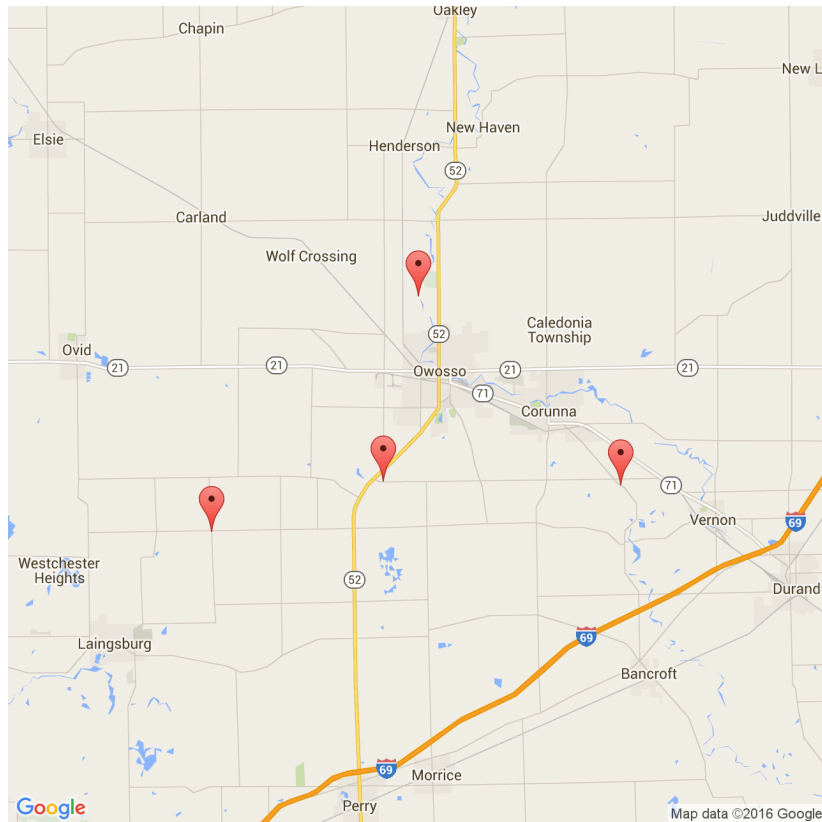
5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2011			2012			2013			2014			2015		
	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	3	0	0	9	0	2	4	0	0	6	0	1	5	0	1
16 - 20	368	0	49	335	0	44	345	0	39	297	0	34	371	0	64
21 - 24	236	0	25	201	0	28	205	0	25	229	1	20	249	0	36
25 - 64	1,663	1	184	1,458	2	151	1,542	1	140	1,463	1	140	1,476	2	136
65 +	255	0	25	236	0	32	256	0	34	237	1	22	268	0	31
Unknown	1	0	0	0	0	0	3	0	1	2	0	0	3	0	0
Total	2,526	1	283	2,239	2	257	2,355	1	239	2,234	3	217	2,372	2	268

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





The picture above represents all 2015 alcohol-involved fatal crashes in Shiawassee County.

In 2015, there were 79 alcohol-involved crashes in Shiawassee County:

- 4 K - Fatal Crashes
- 4 A - Incapacitating Injury Crashes
- 15 B - Non-incapacitating Injury Crashes
- 11 C - Possible Injury Crashes
- 45 O - Property Damage Only/No Injury Crashes

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