MICHIGAN

OHSP

Office of Highway Safety Planning

2014

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)

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TRANSPORTATION
RESEARCH INSTITUTE

Shiawassee County

2014 Traffic Crash Data
& 2010-2014 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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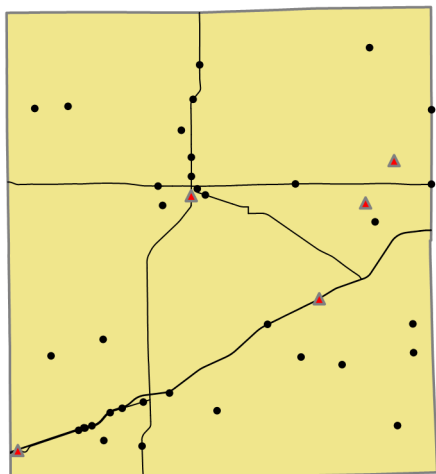
Shiawassee County

Crashes by most severe injury (mapped/actual)
▲ K - Fatal (5/5)
● A - Incapacitating (35/35)

Shiawassee County

In 2014:

There were 2,409 drivers involved in 1,772 motor vehicle crashes in Shiawassee County. Of those crashes, 5 were classified as fatal, resulting in 6 fatalities. An additional 348 persons were injured.

Shiawassee County experienced the highest number of motor vehicle crashes (249) in November, the highest number of fatal crashes (1) in February, May, June, September, and October, and the highest number of persons killed (2) in June.

Michigan driver statistics indicate 7.0 percent of licensed drivers in Shiawassee County were age 16-20, and 12.6 percent of drivers in crashes were also in that age group.

2014 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	187	0	20	167	0	20
February	147	1	16	130	1	24
March	173	0	14	159	0	16
April	119	0	24	95	0	34
May	131	1	20	110	1	27
June	147	1	27	119	2	33
July	100	0	20	80	0	23
August	99	0	20	79	0	31
September	104	1	29	74	1	38
October	183	1	24	158	1	25
November	249	0	31	218	0	40
December	133	0	25	108	0	37
Total	**1,772**	**5**	**270**	**1,497**	**6**	**348**

2014 - Driver Statistics

Age Group	Statewide			Driver Rates	
	2014 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	13,325	358	8	6.0	223.5
16 - 20	4,746	3,701	304	640.5	821.4
21 - 24	3,461	3,493	239	690.6	684.2
25 - 64	36,083	34,887	1,521	421.5	436.0
65 +	11,318	10,768	245	216.5	227.5
Unknown	- -	- -	92	- -	- -
Total	**68,933**	**53,207**	**2,409**	**349.5**	**452.8**

2014 - 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	1,659	68.9	3	33.3	297	1,359
Van & motorhome	106	4.4	1	11.1	16	89
Pickup truck	422	17.5	2	22.2	74	346
Small truck under 10,000 lbs. GVWR	99	4.1	0	0.0	19	80
Cycle	15	0.6	1	11.1	11	3
Moped	1	0.0	0	0.0	1	0
Go 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	16	0.7	2	22.2	3	11
Truck/bus over 10,000 lbs.	68	2.8	0	0.0	11	57
Unknown	21	0.9	0	0.0	3	18
Total	**2,409**	**100.0**	**9**	**100.0**	**437**	**1,963**

Shiawassee County (continued)

5-Year Trend - Crashes by Month

| Month	2010		2011		2012		2013		2014	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	227	0	232	0	177	0	178	0	187	0
February	207	0	139	0	146	0	139	0	147	1
March	144	0	137	0	105	2	130	0	173	0
April	124	1	115	0	106	1	117	0	119	0
May	162	0	141	0	137	0	131	2	131	1
June	135	0	165	1	143	1	155	0	147	1
July	103	1	142	0	118	1	114	0	100	0
August	99	0	103	0	103	1	112	0	99	0
September	149	1	133	0	118	0	139	0	104	1
October	261	1	229	1	214	0	214	1	183	1
November	251	0	299	3	233	1	249	0	249	0
December	286	0	206	1	202	0	220	0	133	0
Total	**2,148**	**4**	**2,041**	**6**	**1,802**	**7**	**1,898**	**3**	**1,772**	**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	2010		2011		2012		2013		2014	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	319	0	306	0	253	2	260	0	229	0
Tuesday	360	1	347	2	245	0	269	0	229	0
Wednesday	345	1	270	2	266	0	292	0	270	2
Thursday	319	0	282	0	251	2	288	0	302	0
Friday	292	1	329	1	344	0	314	2	292	0
Saturday	275	1	298	0	225	2	250	1	213	1
Sunday	238	0	209	1	218	1	225	0	237	2
Total	**2,148**	**4**	**2,041**	**6**	**1,802**	**7**	**1,898**	**3**	**1,772**	**5**

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

2014 Crashes by Month

■ All Crashes ■ Fatal Crashes
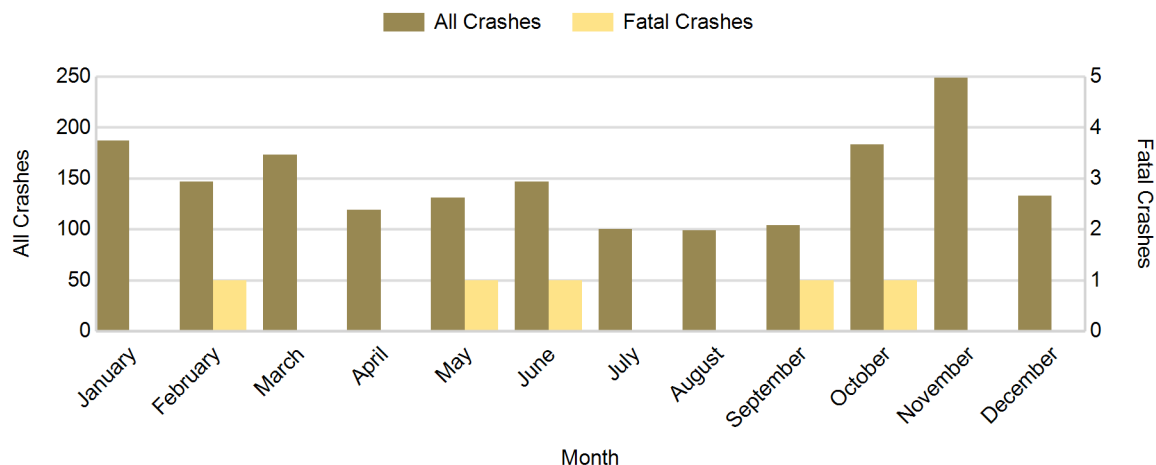
2014 - Crashes by Day of Week

Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Monday	229	12.9	0	0.0	7	8	18	196
Tuesday	229	12.9	0	0.0	2	18	23	186
Wednesday	270	15.2	2	40.0	3	8	23	234
Thursday	302	17.0	0	0.0	4	15	19	264
Friday	292	16.5	0	0.0	5	11	36	240
Saturday	213	12.0	1	20.0	6	10	16	180
Sunday	237	13.4	2	40.0	8	11	19	197
Total	**1,772**	**100.0**	**5**	**100.0**	**35**	**81**	**154**	**1,497**

2014 Day of Week and Severity
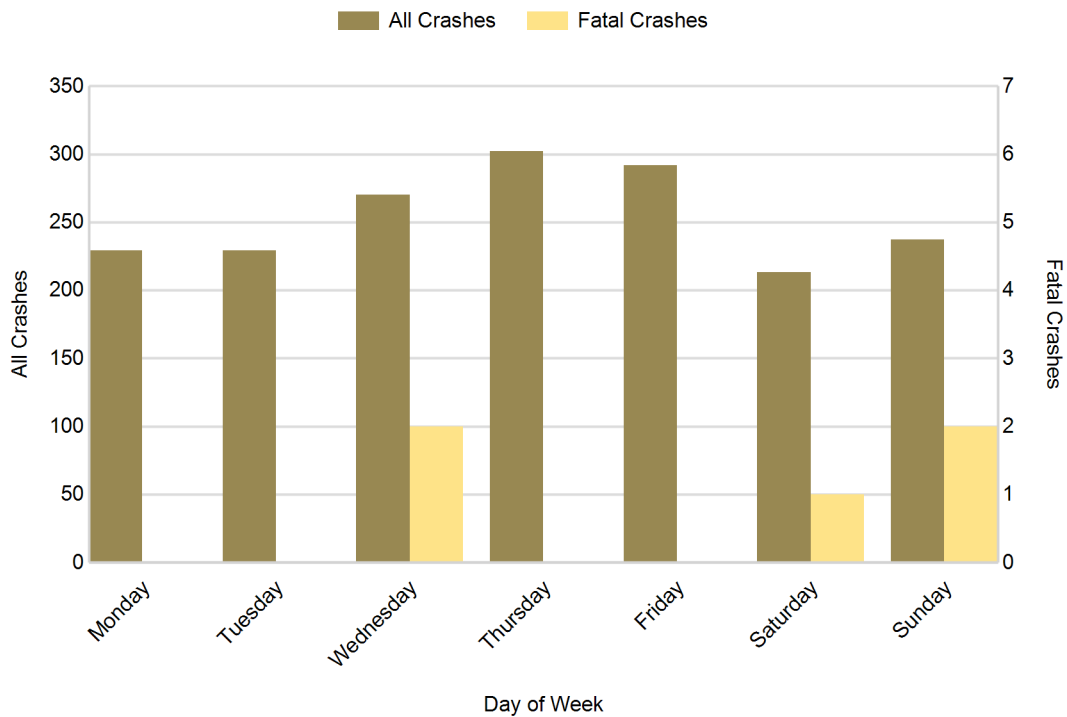
Shiawassee County (continued)

5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2010		2011		2012		2013		2014	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	1,635	3	1,534	5	1,359	4	1,423	2	1,322	2
Weekend	513	1	507	1	443	3	475	1	450	3
Total	**2,148**	**4**	**2,041**	**6**	**1,802**	**7**	**1,898**	**3**	**1,772**	**5**

5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)
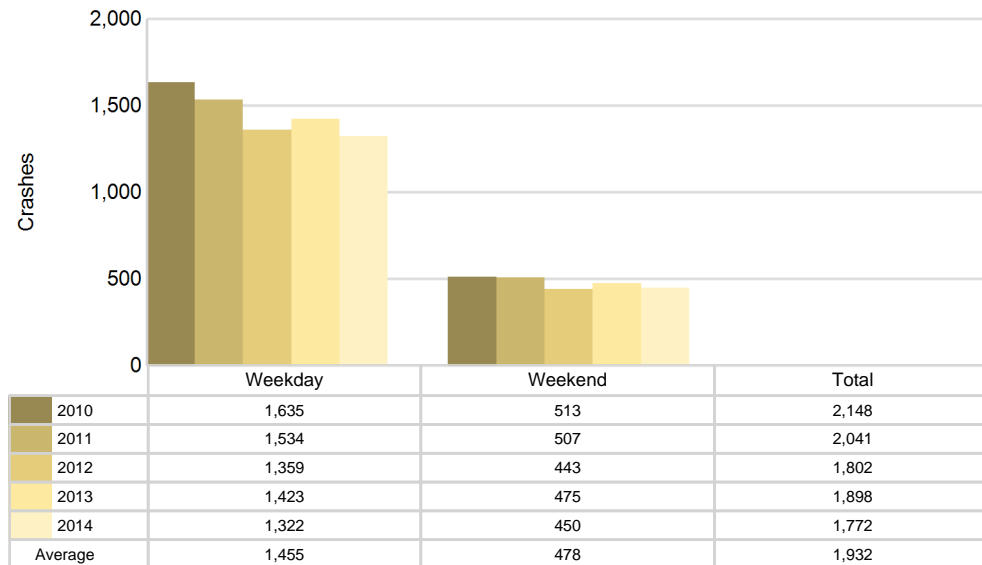
	Weekday	Weekend	Total
2010	1,635	513	2,148
2011	1,534	507	2,041
2012	1,359	443	1,802
2013	1,423	475	1,898
2014	1,322	450	1,772
Average	1,455	478	1,932

Shiawassee County (continued)

5-Year Trend - Crashes by Time of Day

Time of Day	2010		2011		2012		2013		2014	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	154	1	123	2	109	1	121	0	125	0
3:00 AM - 5:59 AM	155	0	137	0	142	0	153	0	128	1
6:00 AM - 8:59 AM	341	0	369	1	310	2	332	0	279	1
9:00 AM - 11:59 AM	149	0	158	0	154	0	165	0	167	1
Noon - 2:59 PM	256	1	257	0	215	2	219	0	215	1
3:00 PM - 5:59 PM	352	1	311	0	282	1	294	1	288	0
6:00 PM - 8:59 PM	428 †	1	394 †	1	353 †	0	380 †	1	323 †	1
9:00 PM - 11:59 PM	309	0	289	2	233	1	232	1	244	0
Unknown	4	0	3	0	4	0	2	0	3	0
Total	**2,148**	**4**	**2,041**	**6**	**1,802**	**7**	**1,898**	**3**	**1,772**	**5**

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

5-Year Trend Crashes by Time of Day

	Midnight - 2:59 AM	3:00 AM - 5:59 AM	6:00 AM - 8:59 AM	9:00 AM - 11:59 AM	Noon - 2:59 PM	3:00 PM - 5:59 PM	6:00 PM - 8:59 PM	9:00 PM - 11:59 PM	Unknown	Total
2010	154	155	341	149	256	352	428	309	4	2,148
2011	123	137	369	158	257	311	394	289	3	2,041
2012	109	142	310	154	215	282	353	233	4	1,802
2013	121	153	332	165	219	294	380	232	2	1,898
2014	125	128	279	167	215	288	323	244	3	1,772
Average	126	143	326	159	232	305	376	261	3	1,932

5-Year Trend Fatal Crashes by Time of Day

	Midnight - 2:59 AM	3:00 AM - 5:59 AM	6:00 AM - 8:59 AM	9:00 AM - 11:59 AM	Noon - 2:59 PM	3:00 PM - 5:59 PM	6:00 PM - 8:59 PM	9:00 PM - 11:59 PM	Unknown	Total
2010	1	0	0	0	1	1	1	0	0	4
2011	2	0	1	0	0	0	1	2	0	6
2012	1	0	2	0	2	1	0	1	0	7
2013	0	0	0	0	0	1	1	1	0	3
2014	0	1	1	1	1	0	1	0	0	5
Average	1	0	1	0	1	1	1	1	0	5

Shiawassee County (continued)

2014 - 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	125	7.1	0	0.0	5	9	5	106
3:00 AM	- 5:59 AM	128	7.2	1	20.0	2	4	7	114
6:00 AM	- 8:59 AM	279	15.7	1	20.0	6	15	17	240
9:00 AM	- 11:59 AM	167	9.4	1	20.0	6	8	17	135
Noon	- 2:59 PM	215	12.1	1	20.0	4	8	30	172
3:00 PM	- 5:59 PM	288	16.3	0	0.0	6	16	43	223
6:00 PM	- 8:59 PM	323	18.2	1	20.0	2	13	21	286
9:00 PM	- 11:59 PM	244	13.8	0	0.0	3	8	14	219
Unknown		3	0.2	0	0.0	1	0	0	2
Total		**1,772**	**100.0**	**5**	**100.0**	**35**	**81**	**154**	**1,497**
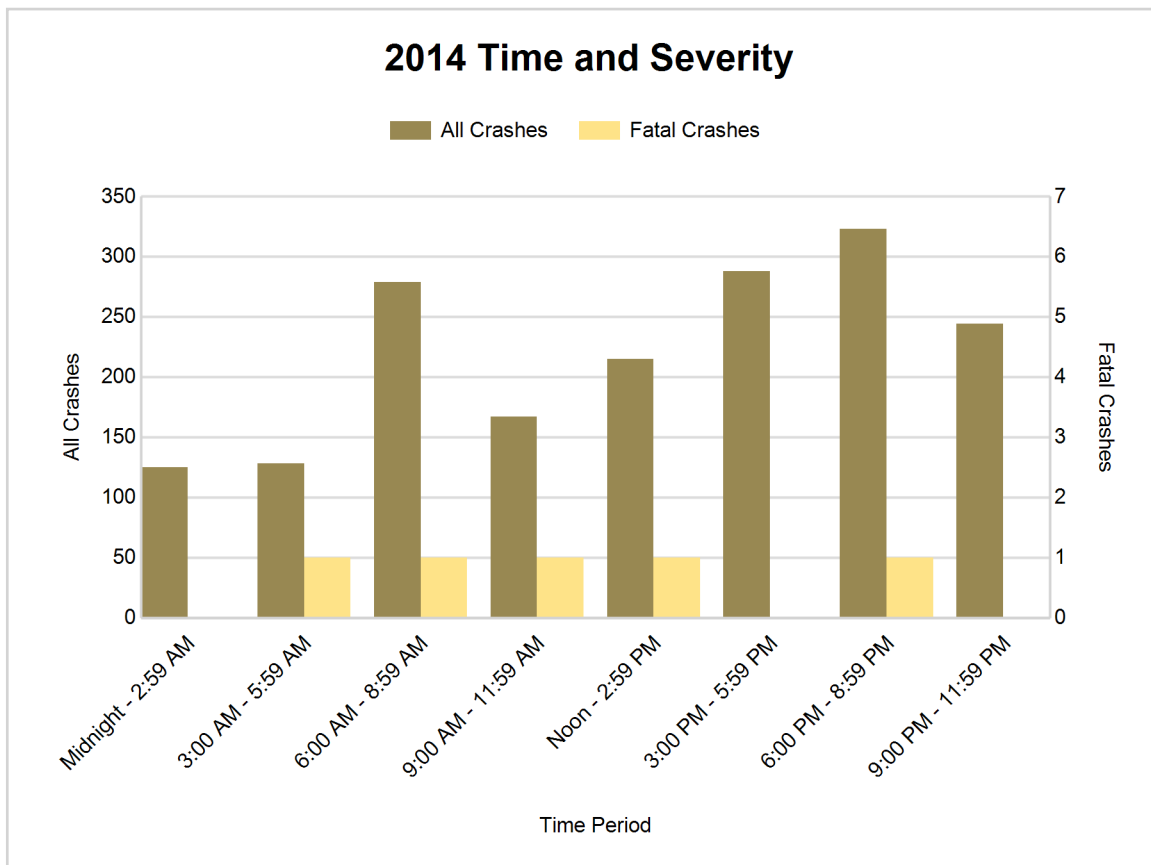
2014 Time and Severity

Shiawassee County (continued)

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

Time of Day	2010		2011		2012		2013		2014	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	86	0	62	0	62	1	79	0	72	0
3:00 AM - 5:59 AM	100	0	86	0	91	0	109	0	76	0
6:00 AM - 8:59 AM	194	0	205	0	176	0	191	0	149	0
9:00 AM - 11:59 AM	24	0	31	0	30	0	29	0	31	0
Noon - 2:59 PM	32	0	28	0	22	0	28	0	19	0
3:00 PM - 5:59 PM	70	0	50	0	59	1	53	0	42	0
6:00 PM - 8:59 PM	254 †	0	226 †	0	199 †	0	222 †	0	200 †	0
9:00 PM - 11:59 PM	210	0	197	0	130	0	170	0	171	0
Unknown	1	0	1	0	0	0	0	0	0	0
Total	**971**	**0**	**886**	**0**	**769**	**2**	**881**	**0**	**760**	**0**

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

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

	Midnight - 2:59 AM	3:00 AM - 5:59 AM	6:00 AM - 8:59 AM	9:00 AM - 11:59 AM	Noon - 2:59 PM	3:00 PM - 5:59 PM	6:00 PM - 8:59 PM	9:00 PM - 11:59 PM	Unknown	Total
2010	86	100	194	24	32	70	254	210	1	971
2011	62	86	205	31	28	50	226	197	1	886
2012	62	91	176	30	22	59	199	130	0	769
2013	79	109	191	29	28	53	222	170	0	881
2014	72	76	149	31	19	42	200	171	0	760
Average	72	92	183	29	26	55	220	176	0	853

2014 Time and Severity of Deer-Involved Crashes

■ All Crashes   ■ Fatal Crashes

There were no fatal deer-involved crashes in Shiawassee County in 2014

Shiawassee County (continued)

2014 - 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.	65	0	7	58	1	0	0	64	3	0	43	0	9
Bancroft	3	0	0	3	0	0	0	3	0	0	2	0	0
Bennington Twp.	119	0	12	107	0	0	69	50	1	1	75	0	17
Burns Twp.	83	0	12	71	0	0	0	83	4	2	47	0	17
Byron	1	0	0	1	0	0	0	1	0	0	1	0	0
Caledonia Twp.	134	0	29	105	0	0	85	49	4	1	35	0	37
Corunna	51	0	10	41	0	0	31	20	0	0	6	0	13
Durand	36	0	6	30	0	0	0	36	0	0	3	0	6
Fairfield Twp.	43	0	3	40	0	0	0	43	0	0	34	0	3
Hazelton Twp.	28	0	5	23	0	0	9	19	0	0	15	0	5
Laingsburg	6	0	0	6	0	0	0	6	0	0	1	0	0
Lennon	1	0	0	1	0	0	1	0	0	0	1	0	0
Middlebury Twp.	44	0	1	43	0	0	23	21	0	0	31	0	1
Morrice	4	0	0	4	0	0	0	4	0	0	2	0	0
New Haven Twp.	33	0	5	28	0	0	0	33	1	1	15	0	5
New Lothrop	4	0	1	3	0	0	0	4	0	0	1	0	2
Ovid	0	0	0	0	0	0	0	0	0	0	0	0	0
Owosso	212	1	55	156	0	0	123	89	13	4	2	1	67
Owosso Twp.	124	0	19	105	0	0	68	56	3	0	59	0	22
Perry	47	0	5	42	0	0	34	13	1	1	10	0	9
Perry Twp.	167	0	23	144	65	0	44	58	8	1	87	0	28
Rush Twp.	65	0	10	55	0	0	30	35	1	1	42	0	13
Sciota Twp.	57	0	2	55	0	0	0	57	1	0	43	0	2
Shiawassee Twp.	141	0	14	127	53	0	6	82	4	0	68	0	25
Venice Twp.	59	2	16	41	17	0	23	19	1	0	16	2	25
Vernon	5	0	0	5	0	0	3	2	0	0	2	0	0
Vernon Twp.	129	1	16	112	55	0	10	64	10	2	56	1	17
Woodhull Twp.	111	1	19	91	36	0	10	65	3	2	63	2	25
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**1,772**	**5**	**270**	**1,497**	**227**	**0**	**569**	**976**	**58**	**16**	**760**	**6**	**348**

Shiawassee County (continued)

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

Driver Age	2010		2011		2012		2013		2014	
	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	9	0	3	0	9	0	6	0	8	0
16 - 20	395	7	377	5	344	2	353	9	304	9
21 - 24	271	13	242	18	209	12	213	4	239	13
25 - 64	1,789	54	1,733	39	1,508	30	1,598	50	1,521	34
65 +	276	2	263	3	245	3	266	0	245	2
Unknown	96	1	79	0	83	0	74	0	92	0
Total	2,836	77	2,697	65	2,398	47	2,510	63	2,409	58

5-Year Trend
Total Drivers in Crashes by Age

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2010	9	395	271	1,789	276	96	2,836
2011	3	377	242	1,733	263	79	2,697
2012	9	344	209	1,508	245	83	2,398
2013	6	353	213	1,598	266	74	2,510
2014	8	304	239	1,521	245	92	2,409
Average	7	355	235	1,630	259	85	2,570

5-Year Trend
Total Drivers Coded Drinking by Age

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2010	0	7	13	54	2	1	77
2011	0	5	18	39	3	0	65
2012	0	2	12	30	3	0	47
2013	0	9	4	50	0	0	63
2014	0	9	13	34	2	0	58
Average	0	6	12	41	2	0	62

Shiawassee County (continued)
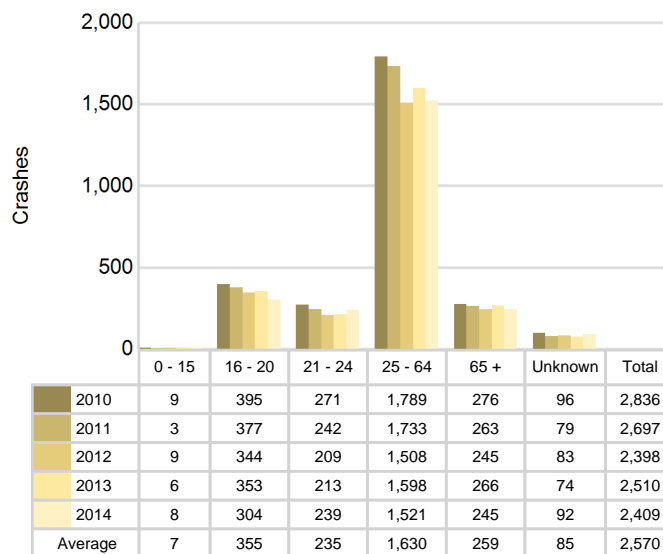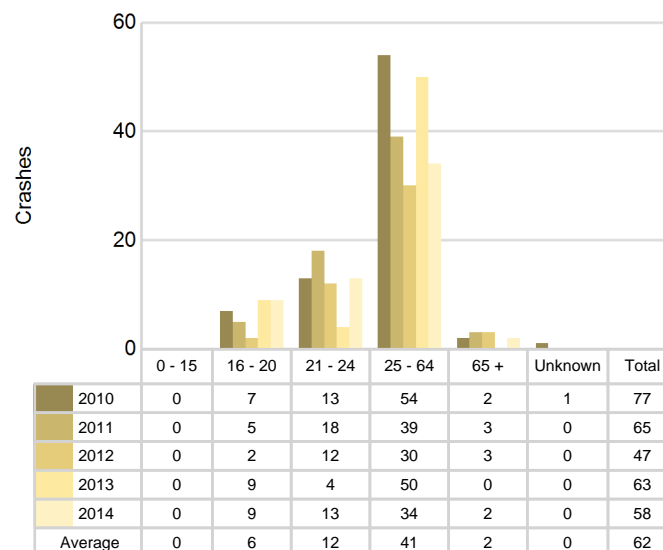
2014 - Bodily Alcohol Concentration (BAC) Results Among All Vehicle Drivers in Alcohol-Involved Crashes by Age

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	8	6	9	0	0	4	0	5
21 - 24	14	12	10	13	0	0	5	2	6
25 - 64	42	37	24	34	0	3	6	8	17
65 +	2	2	2	2	0	2	0	0	0
Unknown	3	0	0	0	0	0	0	0	0
Total	**73**	**59**	**42**	**58**	**0**	**5**	**15**	**10**	**28**

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 2014, there were 73 drivers in alcohol-involved crashes; 58 (79.5%) of those drivers were coded as had-been-drinking by the officer on the crash form.

- 25 (43.1%) of the 58 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 10 (40.0%) of the 25 drivers had a BAC at or above 0.17 g/dL.

- 42 (72.4%) of the 58 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
2010	2,148	77	3.6	4	0	0.0	45	7	15.6	96	14	14.6
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**

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

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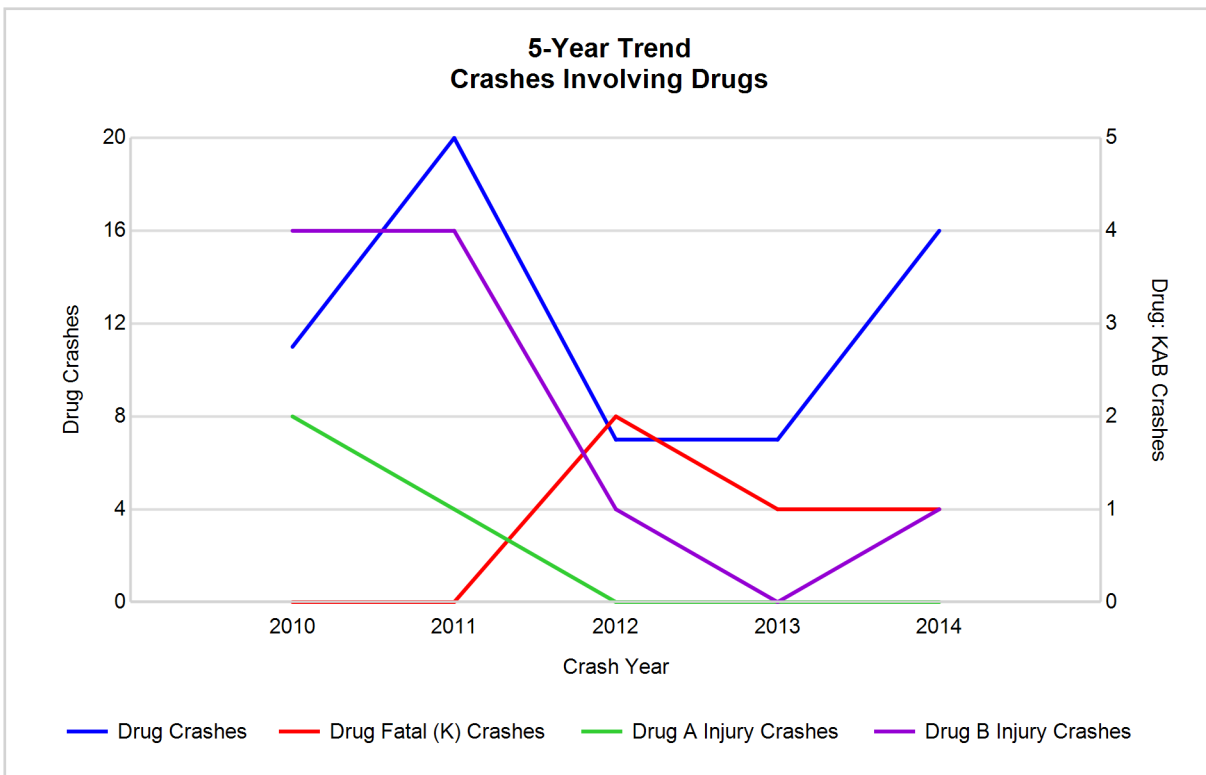

5-Year Trend Crashes Involving Alcohol
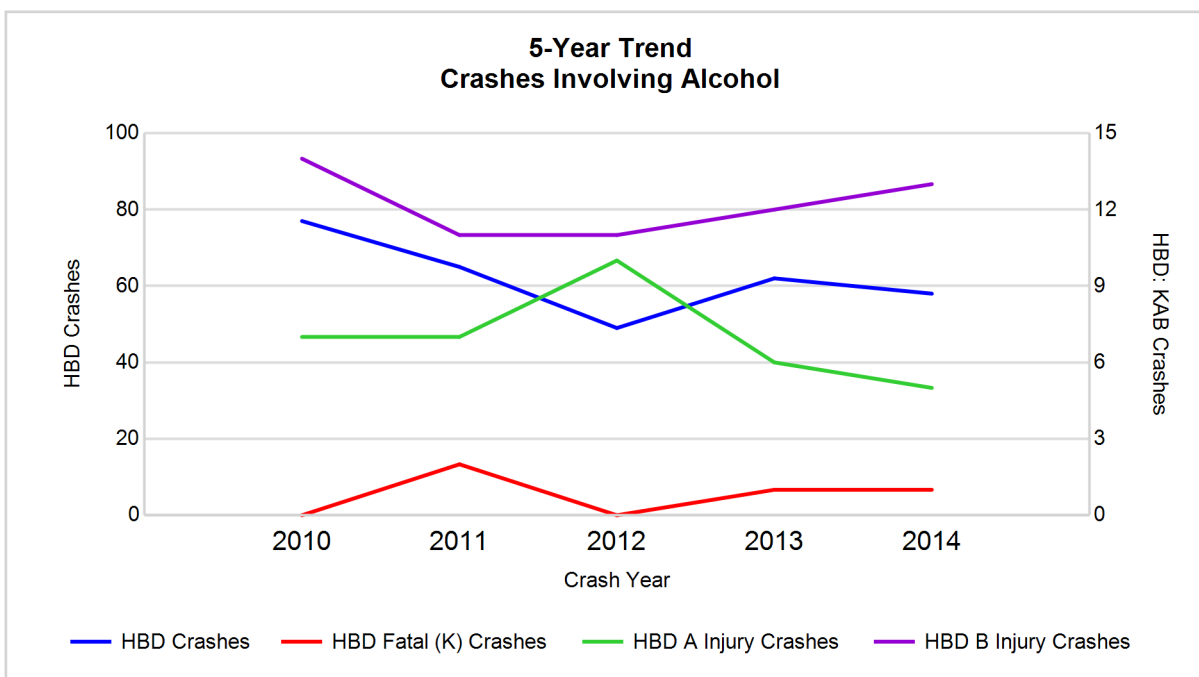
Note: Had-Been-Drinking (HBD)

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
2010	2,148	11	0.5	4	0	0.0	45	2	4.4	96	4	4.2
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

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

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


5-Year Trend
Crashes Involving Drugs

Shiawassee County (continued)

5-Year Trend - Crashes Involving Alcohol or Drugs

Year	All Crashes	HBD or Drug Crashes	% HBD or Drug	Fatal Crashes	HBD or Drug Fatal Crashes	% HBD or Drug	A Injury Crashes	HBD or Drug A Injury Crashes	% HBD or Drug	B Injury Crashes	HBD or Drug B Injury Crashes	% HBD or Drug
2010	2,148	83	3.9	4	0	0.0	45	8	17.8	96	16	16.7
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**

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
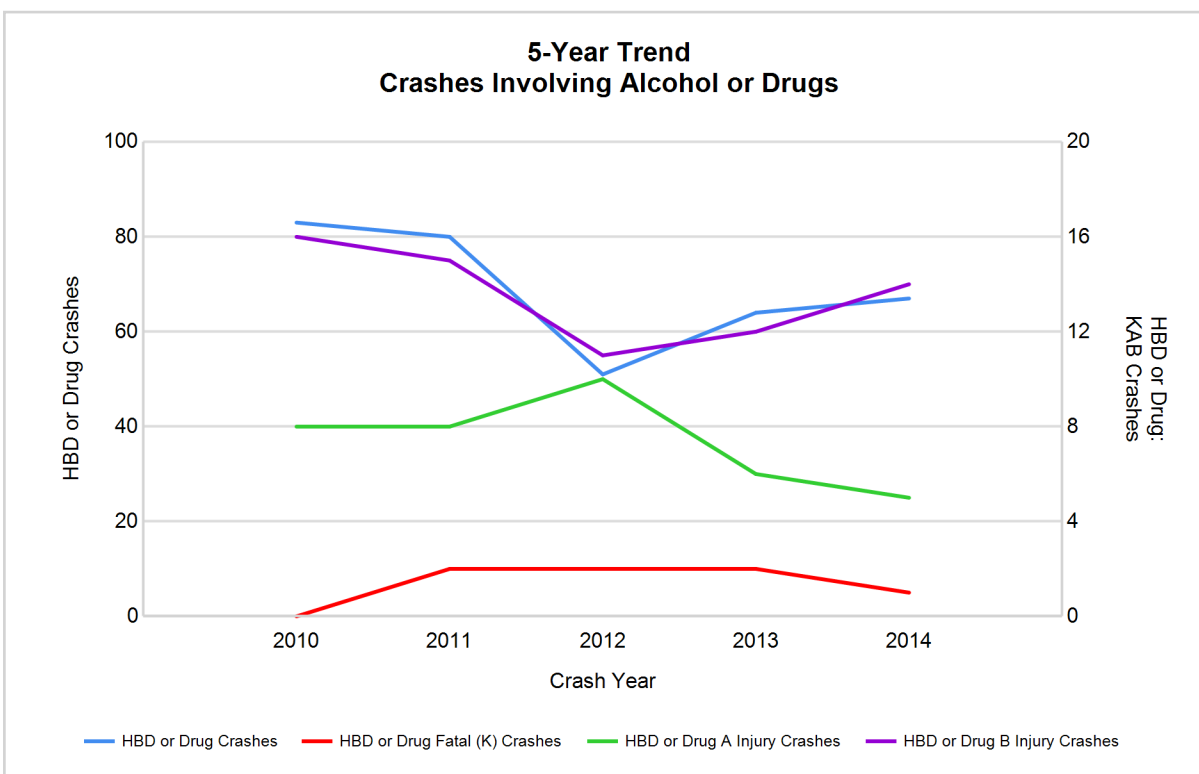
Note: Had-Been-Drinking (HBD)

2014 - 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	1,716	1,625	94.7	2	2	100.0	26	20	76.9	67	61	91.0	143	135	94.4	1,431	1,404	98.1
Van & motorhome	110	103	93.6	0	0	0.0	0	0	0.0	3	2	66.7	6	6	100.0	97	95	97.9
Pickup truck	433	406	93.8	2	1	50.0	5	4	80.0	10	9	90.0	32	29	90.6	369	361	97.8
Small truck under 10,000 lbs. GVWR	104	97	93.3	0	0	0.0	2	1	50.0	5	5	100.0	9	9	100.0	83	82	98.8
Cycle	17	6	35.3	1	1	100.0	3	2	66.7	6	1	16.7	4	1	25.0	2	1	50.0
Moped	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0
Go Cart	1	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0
Snowmobile	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	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	16	4	25.0	1	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0	12	4	33.3
Truck/bus over 10,000 lbs.	71	69	97.2	0	0	0.0	0	0	0.0	4	4	100.0	2	2	100.0	64	63	98.4
Unknown	21	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	2,491	2,311	92.8	6	4	0.0	36	27	75.0	97	82	84.5	199	183	92.0	2,058	2,010	97.7

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.

2014 - 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	32	29	90.6	0	0	0.0	1	1	100.0	13	12	92.3	12	11	91.7	6	5	83.3
16 - 20	319	310	97.2	0	0	0.0	5	3	60.0	22	20	90.9	26	24	92.3	265	262	98.9
21 - 24	246	235	95.5	1	1	100.0	4	2	50.0	10	9	90.0	18	15	83.3	212	207	97.6
25 - 64	1,550	1,492	96.3	2	2	100.0	20	16	80.0	44	33	75.0	126	118	93.7	1,352	1,321	97.7
65 +	251	242	96.4	3	1	33.3	6	5	83.3	8	8	100.0	16	14	87.5	216	213	98.6
Unknown	93	3	3.2	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	7	2	28.6
Total	2,491	2,311	92.8	6	4	0.0	36	27	75.0	97	82	84.5	199	183	92.0	2,058	2,010	97.7

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	2010			2011			2012			2013			2014		
	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	12	0	6	18	0	5	13	0	2	14	0	5	16	1	8
Shoulder belt only used	1	0	0	3	0	0	0	0	0	70	1	6	29	0	2
Lap belt only used	1	0	0	9	0	1	6	0	2	7	0	0	5	0	0
Both lap & shoulder belts used	2,636	1	251	2,513	1	282	2,232	2	255	2,278	0	233	2,200	3	215
No belts used	7	0	5	17	4	4	11	0	6	9	1	8	23	1	9
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	1	0	0	0	0	0	0	0	0
Restraint failure	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0
Restraint use unknown	40	1	5	29	0	8	17	1	5	32	0	9	24	0	7
Helmet worn	27	0	21	19	1	15	18	0	13	17	0	11	7	1	5
Helmet not worn	5	1	4	2	0	2	12	1	10	5	0	5	5	0	4
Helmet use unknown	0	0	0	1	0	1	2	1	0	0	0	0	0	0	0
Uncoded & errors	106	0	1	85	0	2	85	0	0	78	0	2	100	0	0
Total	**2,836**	**3**	**293**	**2,697**	**6**	**320**	**2,398**	**5**	**293**	**2,510**	**2**	**279**	**2,409**	**6**	**250**

5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2010			2011			2012			2013			2014		
	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	2	0	2	1	0	1	0	0	0	2	0	1
Shoulder belt only used	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Lap belt only used	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Both lap & shoulder belts used	58	0	14	51	1	17	35	0	13	44	0	12	43	1	9
No belts used	4	0	4	5	1	1	4	0	3	5	1	4	5	0	3
Child restraint used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child restraint not used, unavailable or improper use	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint failure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint use unknown	9	0	2	6	0	3	5	0	3	9	0	2	6	0	3
Helmet worn	3	0	2	0	0	0	0	0	0	2	0	2	0	0	0
Helmet not worn	1	0	1	1	0	1	1	0	1	2	0	2	1	0	1
Helmet use unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Uncoded & errors	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Total	**77**	**0**	**23**	**65**	**2**	**24**	**47**	**0**	**22**	**63**	**1**	**22**	**58**	**1**	**17**

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

Age Group	2010			2011			2012			2013			2014		
	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	2	0	0	2	0	1
16 - 20	2	0	1	5	0	3	5	0	1	2	0	2	3	0	3
21 - 24	5	0	2	2	0	0	4	0	3	1	0	0	6	0	2
25 - 64	10	0	6	25	4	6	12	0	3	18	1	11	22	0	10
65 +	2	0	2	2	0	0	3	0	1	0	0	0	6	2	1
Unknown	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Total	19	0	11	35	4	9	24	0	8	23	1	13	39	2	17

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

**5-Year Trend
Driver Seatbelt Not Used**

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2010	0	2	5	10	2	0	19
2011	0	5	2	25	2	1	35
2012	0	5	4	12	3	0	24
2013	2	2	1	18	0	0	23
2014	2	3	6	22	6	0	39
Average	1	3	4	17	3	0	28

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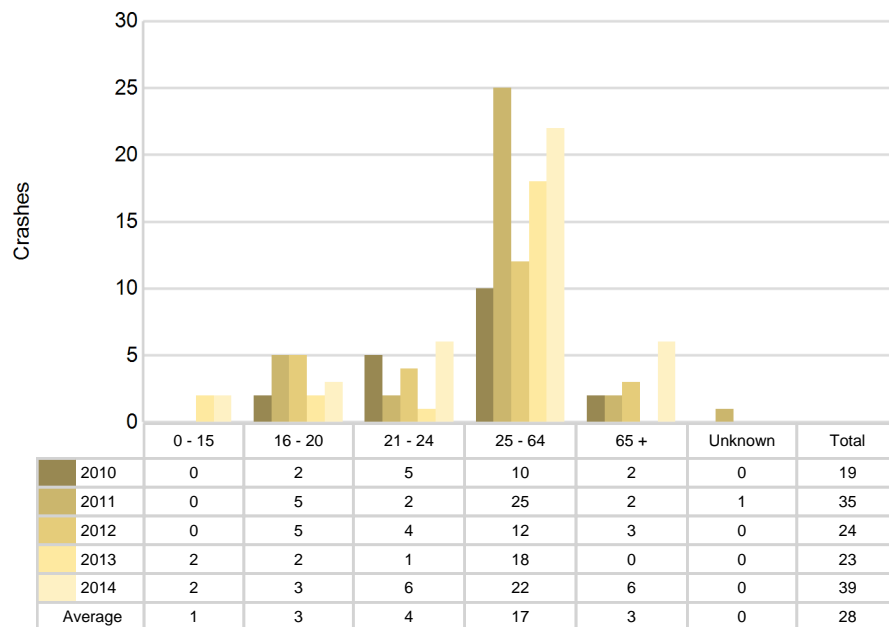
5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2010			2011			2012			2013			2014		
	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	7	0	3	3	0	0	9	0	2	4	0	0	6	0	1
16 - 20	383	0	47	368	0	49	335	0	44	345	0	39	297	0	34
21 - 24	259	0	16	236	0	25	201	0	28	205	0	25	229	1	20
25 - 64	1,719	1	155	1,663	1	184	1,458	2	151	1,542	1	140	1,463	1	140
65 +	271	0	30	255	0	25	236	0	32	256	0	34	237	1	22
Unknown	0	0	0	1	0	0	0	0	0	3	0	1	2	0	0
Total	**2,639**	**1**	**251**	**2,526**	**1**	**283**	**2,239**	**2**	**257**	**2,355**	**1**	**239**	**2,234**	**3**	**217**

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

5-Year Trend
Driver Seatbelt Used

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2010	7	383	259	1,719	271	0	2,639
2011	3	368	236	1,663	255	1	2,526
2012	9	335	201	1,458	236	0	2,239
2013	4	345	205	1,542	256	3	2,355
2014	6	297	229	1,463	237	2	2,234
Average	6	346	226	1,569	251	1	2,399
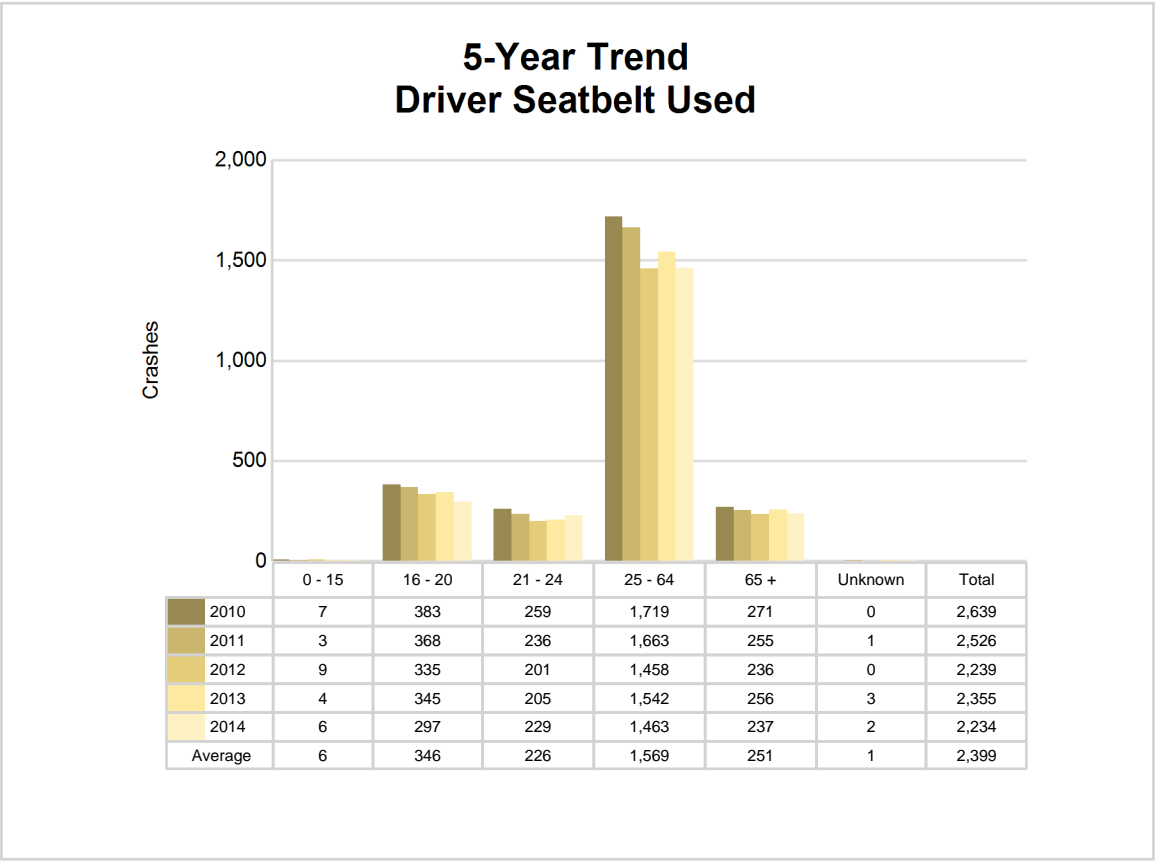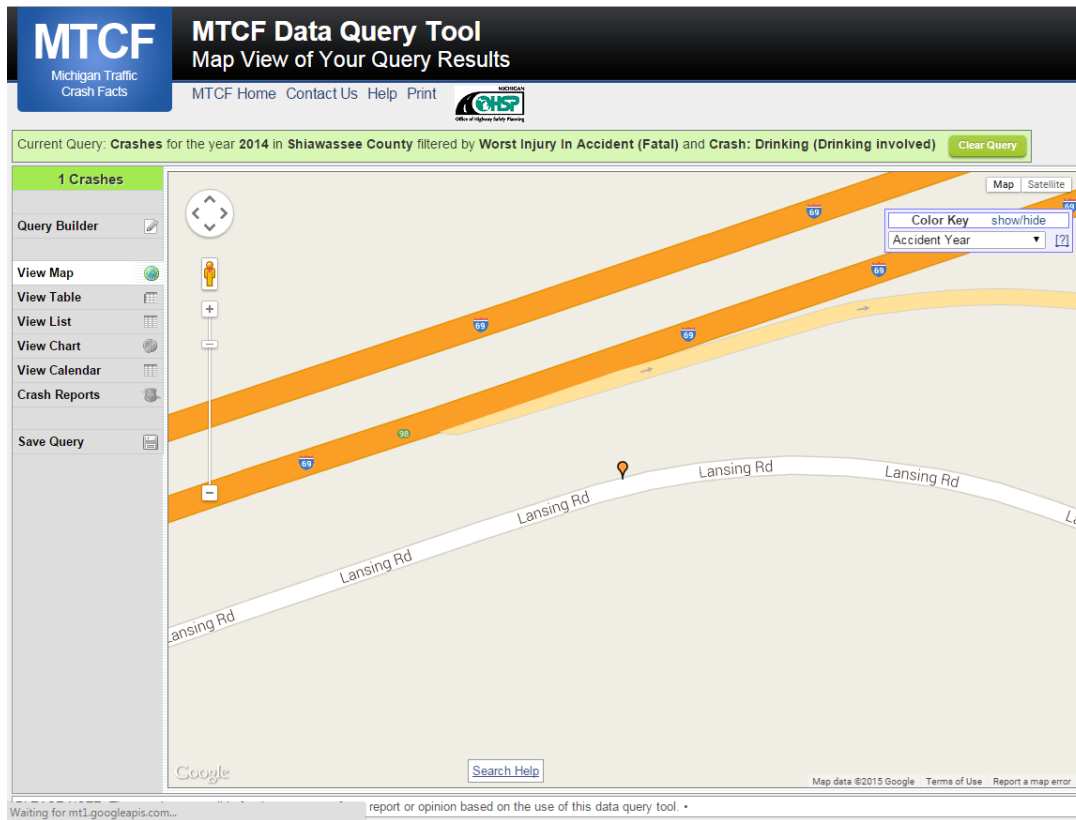
The picture above represents all 2014 alcohol-involved fatal crashes in Shiawassee County.

In 2014, there were 58 alcohol-involved crashes in Shiawassee County:

1	K - Fatal Crashes
5	A - Incapacitating Injury Crashes
13	B - Non-incapacitating Injury Crashes
5	C - Possible Injury Crashes
34	O - Property Damage Only/No Injury Crashes

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