May 2015

MICHIGAN

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.

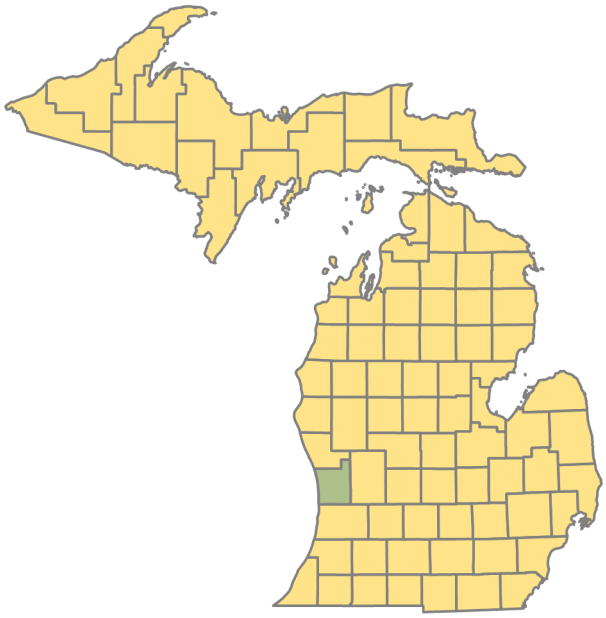
People
The People Level analyzes the experience of the people involved in the crash and returns one result per occupant/person/party.

Examples: Age, injury severity, and seat belt or helmet use.

UMTRI
University of Michigan
Transportation Research Institute

Ottawa 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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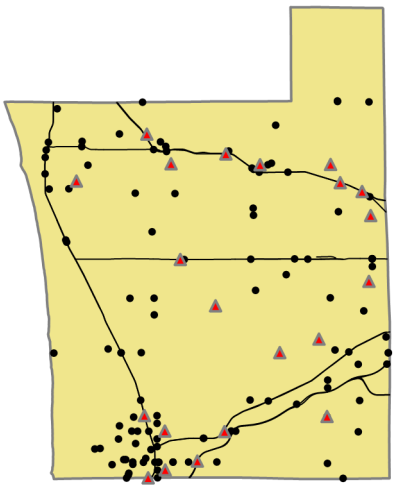
Ottawa County



Crashes by most severe injury (mapped/actual)
K - Fatal (21/21)
A - Incapacitating (113/116)

2014 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	1,063	1	132	930	2	154
February	1,001	2	148	851	3	189
March	535	0	77	458	0	121
April	376	0	64	312	0	87
May	479	0	92	387	0	133
June	505	2	98	405	2	136
July	496	4	115	377	4	151
August	482	5	124	353	5	167
September	565	3	117	445	4	151
October	725	2	134	589	2	174
November	1,130	0	133	997	0	163
December	530	2	78	450	2	98
Total	**7,887**	**21**	**1,312**	**6,554**	**24**	**1,724**

Ottawa County

In 2014:

There were 13,503 drivers involved in 7,887 motor vehicle crashes in Ottawa County. Of those crashes, 21 were classified as fatal, resulting in 24 fatalities. An additional 1,724 persons were injured.

Ottawa County experienced the highest number of motor vehicle crashes (1,130) in November, the highest number of fatal crashes (5) and the highest number of persons killed (5) in August.

Michigan driver statistics indicate 8.0 percent of licensed drivers in Ottawa County were age 16-20, and 14.3 percent of drivers in crashes were also in that age group.

2014 - Driver Statistics

Age Group	Statewide			Driver Rates	
	2013 Population*	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	60,449	2,046	22	3.6	107.5
16 - 20	25,832	15,988	1,927	746.0	1,205.3
21 - 24	19,366	14,354	1,511	780.2	1,052.7
25 - 64	132,022	131,602	8,115	614.7	616.6
65 +	35,032	34,645	1,123	320.6	324.1
Unknown	- -	- -	805	- -	- -
Total	**272,701**	**198,635**	**13,503**	**495.2**	**679.8**

*2014 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

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	10,187	75.4	27	71.1	1,810	8,350
Van & motorhome	768	5.7	1	2.6	121	646
Pickup truck	1,539	11.4	5	13.2	251	1,283
Small truck under 10,000 lbs. GVWR	239	1.8	0	0.0	38	201
Cycle	92	0.7	3	7.9	68	21
Moped	21	0.2	0	0.0	19	2
Go Cart	2	0.0	0	0.0	1	1
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle (ORV) & All-Terrain Vehicle (ATV)	1	0.0	0	0.0	1	0
Other	37	0.3	0	0.0	7	30
Truck/bus over 10,000 lbs.	463	3.4	2	5.3	68	393
Unknown	154	1.1	0	0.0	6	148
Total	**13,503**	**100.0**	**38**	**100.0**	**2,390**	**11,075**

Ottawa County (continued)

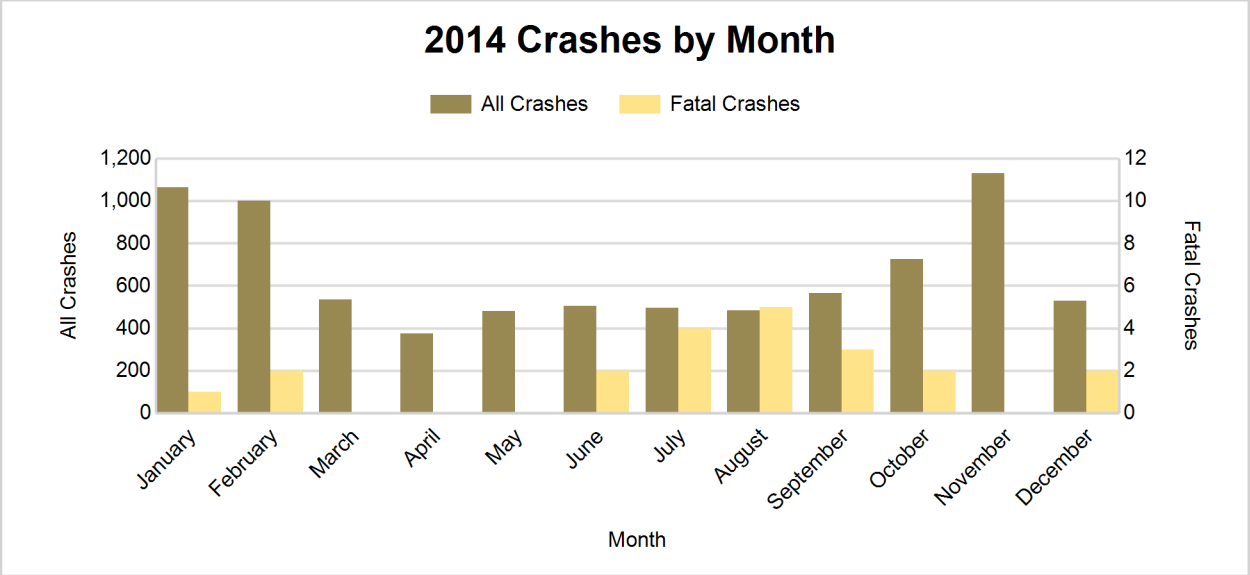
5-Year Trend - Crashes by Month

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	551	2	772	1	739	0	825	0	1,063	1
February	583	0	635	0	599	2	896	0	1,001	2
March	360	0	438	0	440	1	456	2	535	0
April	392	1	407	1	387	2	465	2	376	0
May	511	0	518	1	561	2	530	3	479	0
June	476	3	514	0	505	0	469	1	505	2
July	533	1	523	1	489	1	512	4	496	4
August	450	2	503	1	495	0	537	5	482	5
September	490	2	510	1	452	2	492	0	565	3
October	639	2	645	1	666	1	629	1	725	2
November	628	3	702	3	587	2	796	1	1,130	0
December	702	0	572	1	551	3	830	0	530	2
Total	**6,315**	**16**	**6,739**	**11**	**6,471**	**16**	**7,437**	**19**	**7,887**	**21**

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	943	1	979	2	883	2	1,160	1	1,121	2
Tuesday	983	2	1,033	2	947	3	1,225	4	1,167	3
Wednesday	995	5	1,004	2	874	2	1,115	4	1,296	2
Thursday	958	2	1,027	2	978	2	1,182	2	1,329	3
Friday	1,106 †	2	1,130 †	1	1,335 †	1	1,230 †	2	1,471 †	4
Saturday	761	2	921	1	873	4	913	4	850	4
Sunday	569	2	645	1	581	2	612	2	653	3
Total	**6,315**	**16**	**6,739**	**11**	**6,471**	**16**	**7,437**	**19**	**7,887**	**21**

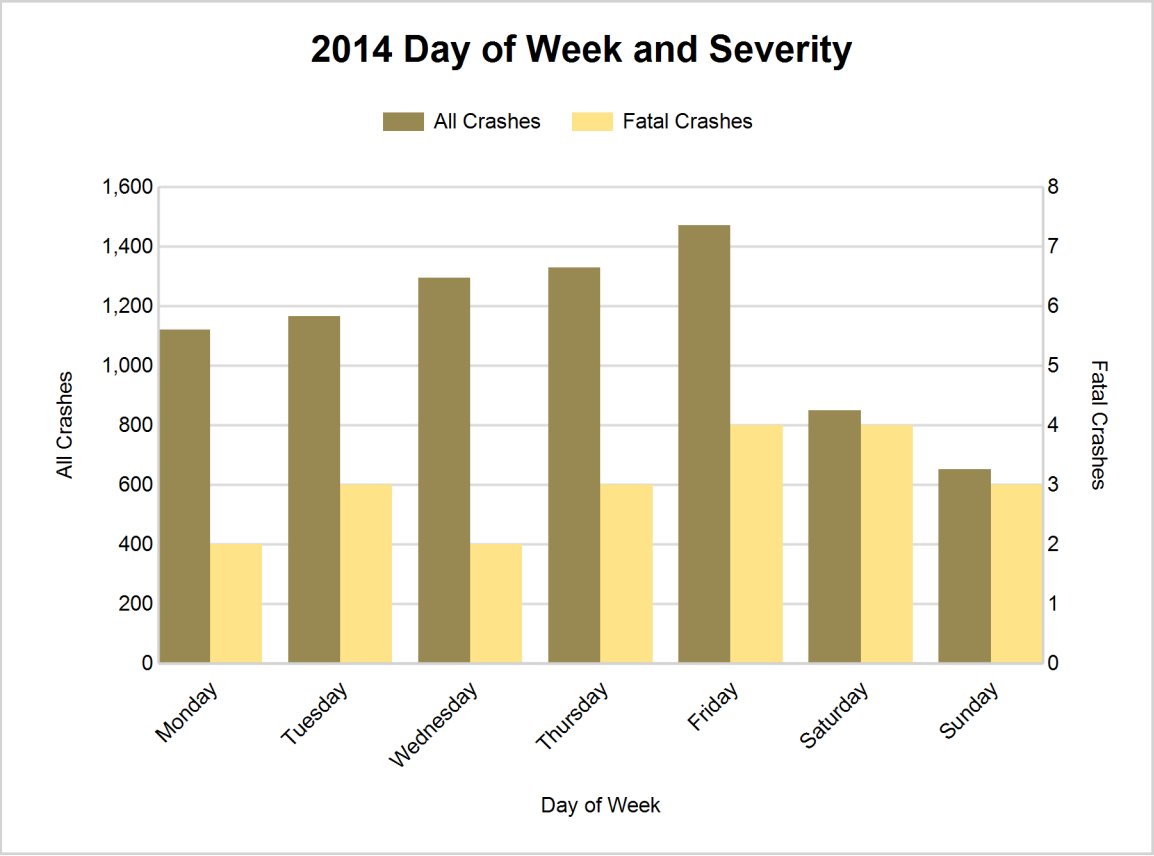
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred on the same day of the week



Ottawa County (continued)

2014 - Crashes by Day of Week

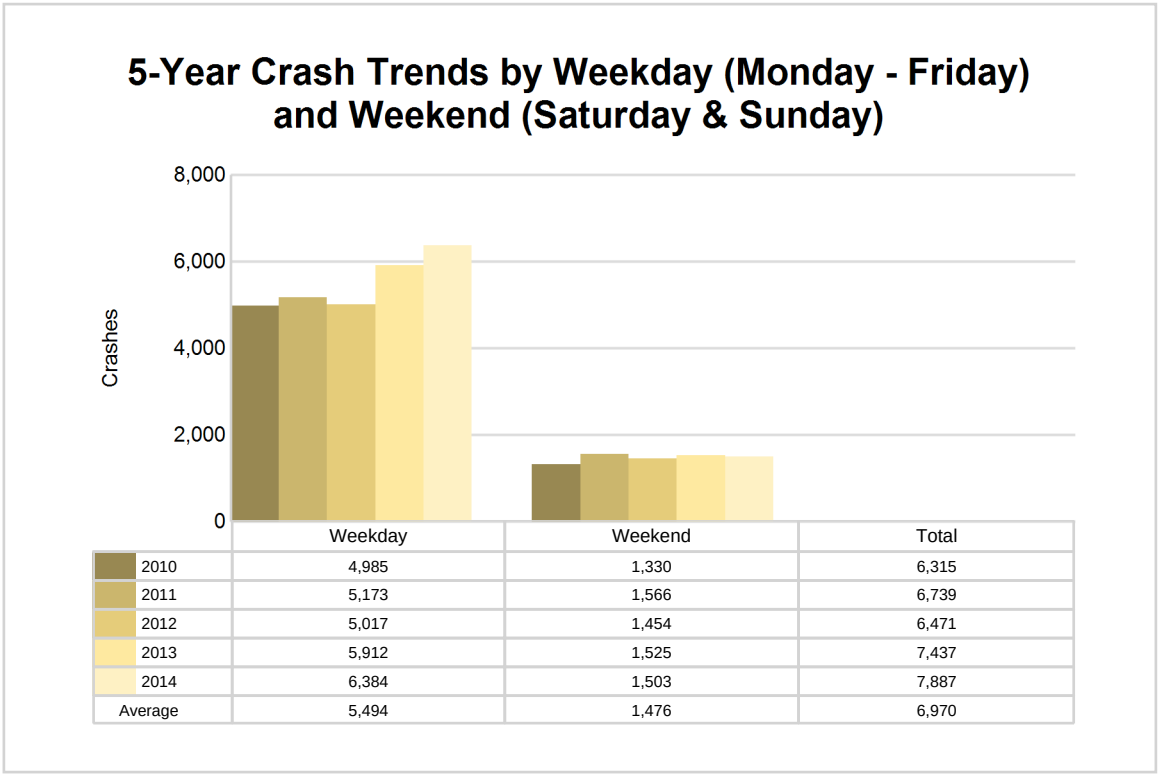
Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Monday	1,121	14.2	2	9.5	19	40	118	942
Tuesday	1,167	14.8	3	14.3	20	38	138	968
Wednesday	1,296	16.4	2	9.5	10	42	136	1,106
Thursday	1,329	16.9	3	14.3	21	50	151	1,104
Friday	1,471	18.7	4	19.0	14	60	174	1,219
Saturday	850	10.8	4	19.0	22	36	103	685
Sunday	653	8.3	3	14.3	10	33	77	530
Total	**7,887**	**100.0**	**21**	**100.0**	**116**	**299**	**897**	**6,554**



Ottawa 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	4,985	12	5,173	9	5,017	10	5,912	13	6,384	14
Weekend	1,330	4	1,566	2	1,454	6	1,525	6	1,503	7
Total	**6,315**	**16**	**6,739**	**11**	**6,471**	**16**	**7,437**	**19**	**7,887**	**21**



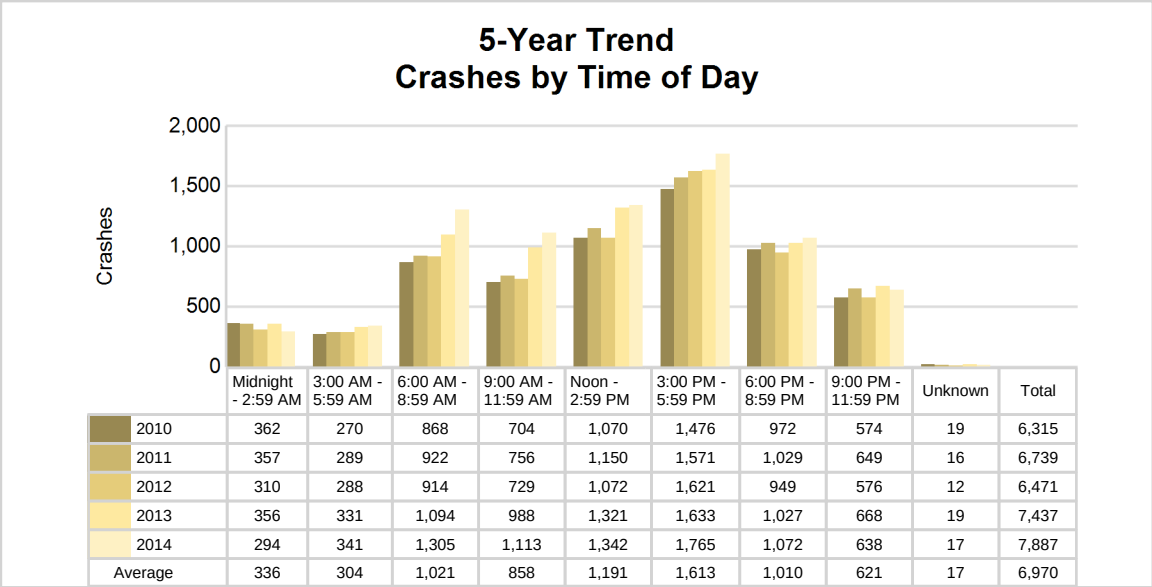
	Weekday	Weekend	Total
2010	4,985	1,330	6,315
2011	5,173	1,566	6,739
2012	5,017	1,454	6,471
2013	5,912	1,525	7,437
2014	6,384	1,503	7,887
Average	5,494	1,476	6,970

Ottawa County (continued)

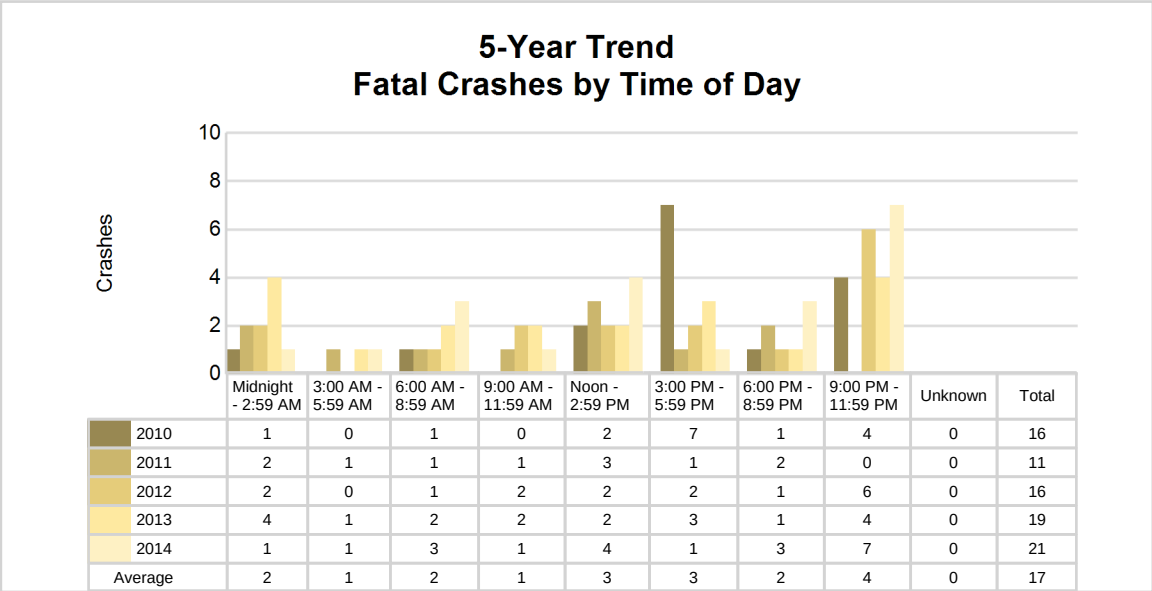
5-Year Trend - Crashes by Time of Day

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	362	1	357	2	310	2	356	4	294	1
3:00 AM - 5:59 AM	270	0	289	1	288	0	331	1	341	1
6:00 AM - 8:59 AM	868	1	922	1	914	1	1,094	2	1,305	3
9:00 AM - 11:59 AM	704	0	756	1	729	2	988	2	1,113	1
Noon - 2:59 PM	1,070	2	1,150	3	1,072	2	1,321	2	1,342	4
3:00 PM - 5:59 PM	1,476 †	7	1,571 †	1	1,621 †	2	1,633 †	3	1,765 †	1
6:00 PM - 8:59 PM	972	1	1,029	2	949	1	1,027	1	1,072	3
9:00 PM - 11:59 PM	574	4	649	0	576	6	668	4	638	7
Unknown	19	0	16	0	12	0	19	0	17	0
Total	**6,315**	**16**	**6,739**	**11**	**6,471**	**16**	**7,437**	**19**	**7,887**	**21**

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



	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	362	270	868	704	1,070	1,476	972	574	19	6,315
2011	357	289	922	756	1,150	1,571	1,029	649	16	6,739
2012	310	288	914	729	1,072	1,621	949	576	12	6,471
2013	356	331	1,094	988	1,321	1,633	1,027	668	19	7,437
2014	294	341	1,305	1,113	1,342	1,765	1,072	638	17	7,887
Average	336	304	1,021	858	1,191	1,613	1,010	621	17	6,970

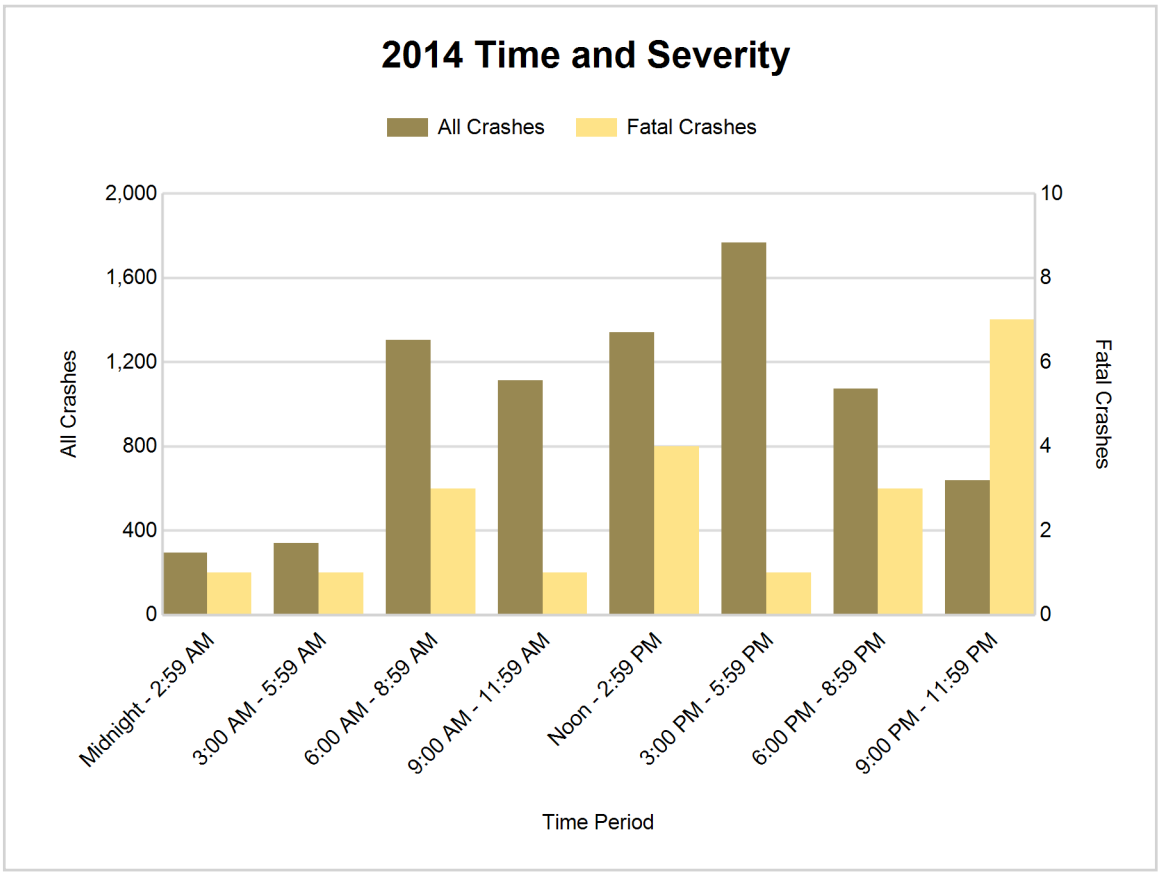


	Midnight - 2:59 AM	3:00 AM - 5:59 AM	6:00 AM - 8:59 AM	9:00 AM - 11:59 AM	Noon - 2:59 PM	3:00 PM - 5:59 PM	6:00 PM - 8:59 PM	9:00 PM - 11:59 PM	Unknown	Total
2010	1	0	1	0	2	7	1	4	0	16
2011	2	1	1	1	3	1	2	0	0	11
2012	2	0	1	2	2	2	1	6	0	16
2013	4	1	2	2	2	3	1	4	0	19
2014	1	1	3	1	4	1	3	7	0	21
Average	2	1	2	1	3	3	2	4	0	17

Ottawa County (continued)

2014 - Time and Severity

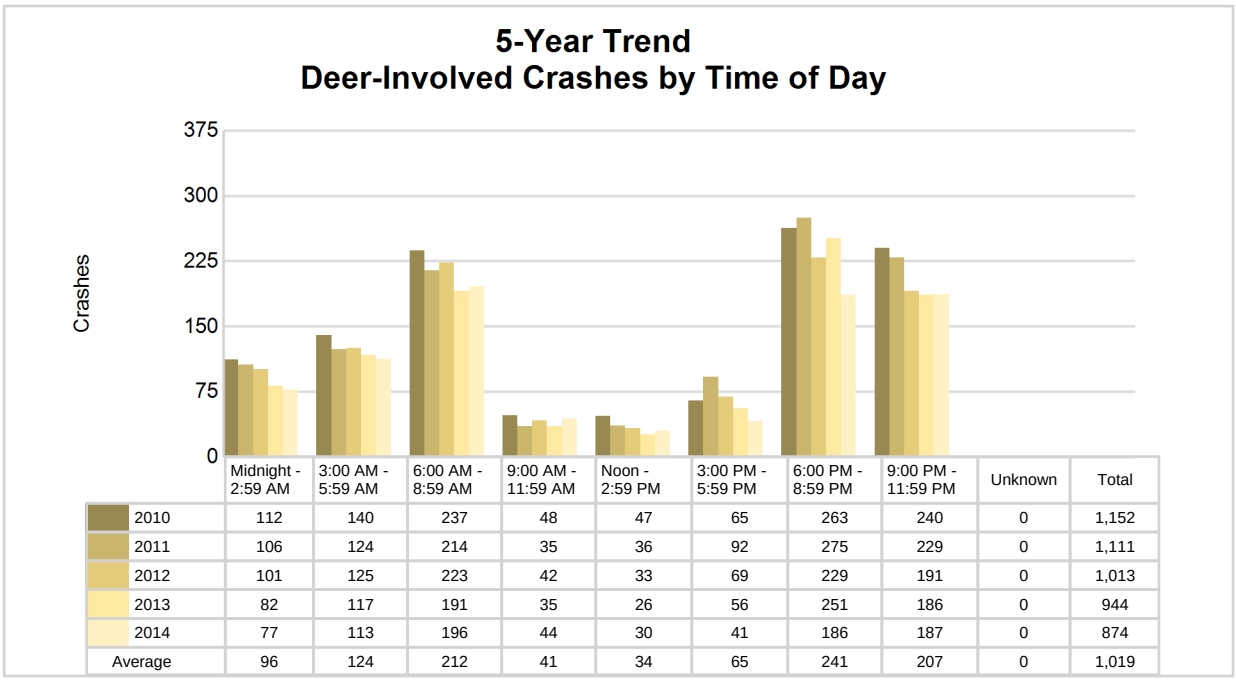
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	294	3.7	1	4.8	6	9	23	255
3:00 AM - 5:59 AM	341	4.3	1	4.8	13	11	20	296
6:00 AM - 8:59 AM	1,305	16.5	3	14.3	9	27	139	1,127
9:00 AM - 11:59 AM	1,113	14.1	1	4.8	13	44	135	920
Noon - 2:59 PM	1,342	17.0	4	19.0	18	58	180	1,082
3:00 PM - 5:59 PM	1,765	22.4	1	4.8	26	76	219	1,443
6:00 PM - 8:59 PM	1,072	13.6	3	14.3	20	52	130	867
9:00 PM - 11:59 PM	638	8.1	7	33.3	11	22	50	548
Unknown	17	0.2	0	0.0	0	0	1	16
Total	**7,887**	**100.0**	**21**	**100.0**	**116**	**299**	**897**	**6,554**



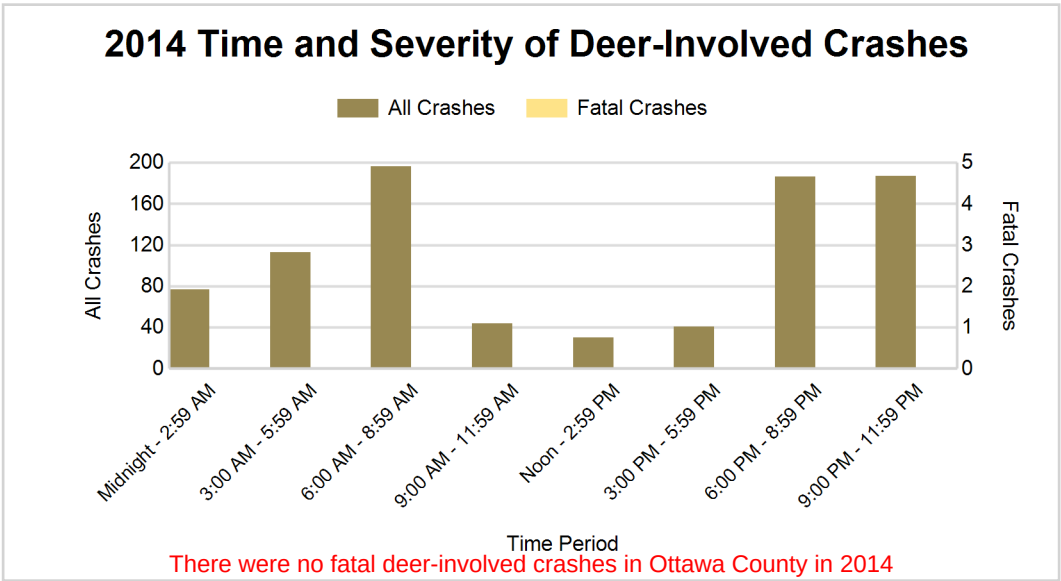
Ottawa County (continued)

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	112	0	106	0	101	0	82	0	77	0
3:00 AM - 5:59 AM	140	0	124	0	125	0	117	0	113	0
6:00 AM - 8:59 AM	237	0	214	0	223	0	191	0	196	0
9:00 AM - 11:59 AM	48	0	35	0	42	0	35	0	44	0
Noon - 2:59 PM	47	0	36	0	33	0	26	0	30	0
3:00 PM - 5:59 PM	65	0	92	0	69	0	56	0	41	0
6:00 PM - 8:59 PM	263	0	275	0	229	0	251	0	186	0
9:00 PM - 11:59 PM	240	0	229	0	191	0	186	0	187	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	**1,152**	**0**	**1,111**	**0**	**1,013**	**0**	**944**	**0**	**874**	**0**



	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	112	140	237	48	47	65	263	240	0	1,152
2011	106	124	214	35	36	92	275	229	0	1,111
2012	101	125	223	42	33	69	229	191	0	1,013
2013	82	117	191	35	26	56	251	186	0	944
2014	77	113	196	44	30	41	186	187	0	874
Average	96	124	212	41	34	65	241	207	0	1,019



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

Ottawa County (continued)

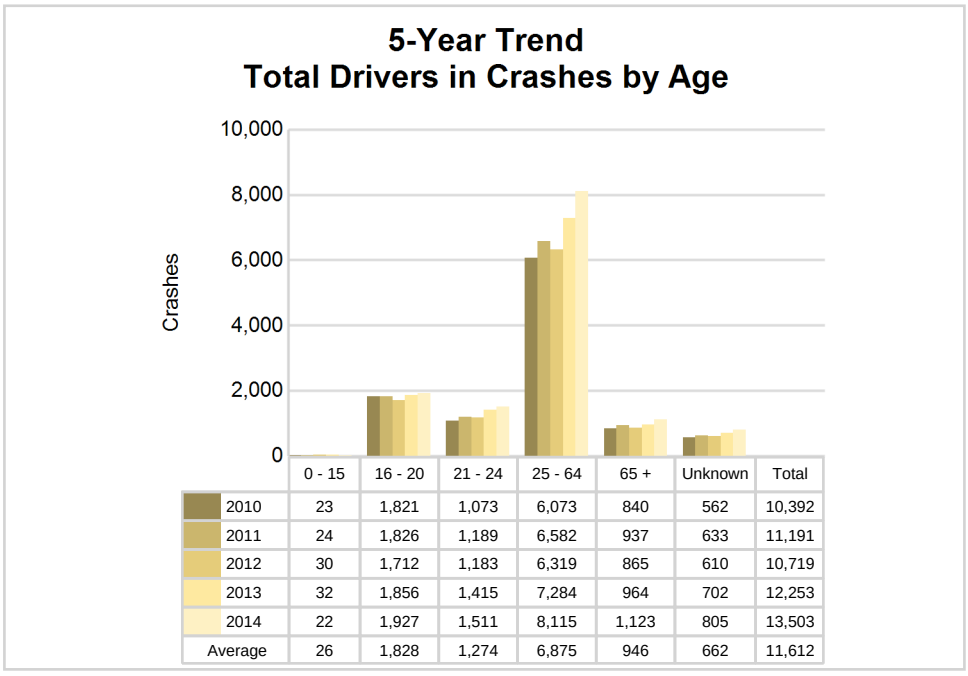
2014 - Reported Motor Vehicle Crashes by Municipality

Municipality	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Allendale Twp.	371	0	60	311	0	0	173	198	11	2	43	0	65
Blendon Twp.	146	2	22	122	0	0	0	146	7	1	46	2	32
Chester Twp.	54	0	4	50	0	0	0	54	5	0	28	0	4
Coopersville	113	1	16	96	13	0	0	100	3	2	15	1	18
Crockery Twp.	180	2	28	150	101	0	14	65	9	0	62	3	40
Ferrysburg	107	0	17	90	0	56	8	43	5	0	10	0	19
Georgetown Twp.	903	1	154	748	67	0	109	727	22	1	51	1	205
Grand Haven	613	0	92	521	0	296	0	317	17	1	13	0	111
Grand Haven Twp.	332	1	61	270	0	147	9	176	3	0	47	2	88
Holland	959	2	167	790	32	80	0	847	35	2	17	2	203
Holland Twp.	1,503	3	269	1,231	127	301	0	1,075	49	5	58	3	365
Hudsonville	199	0	36	163	45	0	41	113	7	0	5	0	40
Jamestown Twp.	206	1	37	168	33	0	28	145	9	0	45	1	53
Olive Twp.	191	0	33	158	0	39	0	152	3	1	54	0	46
Park Twp.	204	0	37	167	0	0	0	204	14	0	23	0	56
Polkton Twp.	241	1	38	202	150	0	0	91	5	1	62	1	46
Port Sheldon Twp.	111	0	13	98	0	36	0	75	4	0	33	0	14
Robinson Twp.	173	1	26	146	0	0	34	139	7	0	50	1	34
Spring Lake	114	0	23	91	0	0	88	26	5	1	4	0	36
Spring Lake Twp.	190	0	26	164	0	39	25	126	8	0	32	0	33
Tallmadge Twp.	222	2	30	190	4	0	125	93	7	0	53	2	48
Wright Twp.	204	3	29	172	109	0	4	91	10	2	59	4	44
Zeeland	180	0	39	141	26	0	0	154	1	1	4	0	49
Zeeland Twp.	371	1	55	315	130	0	70	171	10	2	60	1	75
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**7,887**	**21**	**1,312**	**6,554**	**837**	**994**	**728**	**5,328**	**256**	**22**	**874**	**24**	**1,724**

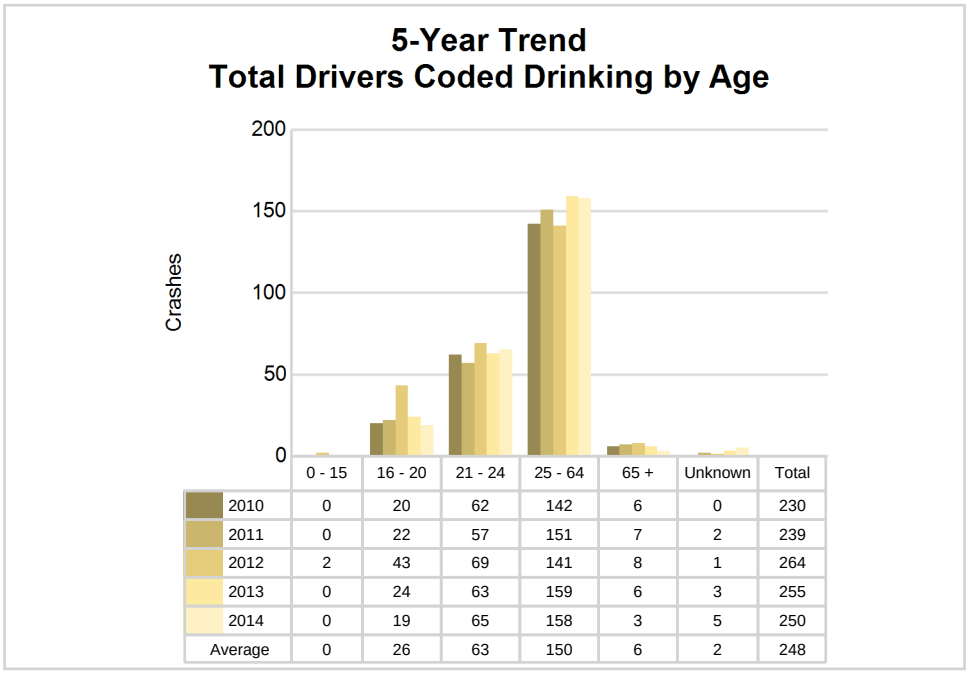
Ottawa County (continued)

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	23	0	24	0	30	2	32	0	22	0
16 - 20	1,821	20	1,826	22	1,712	43	1,856	24	1,927	19
21 - 24	1,073	62	1,189	57	1,183	69	1,415	63	1,511	65
25 - 64	6,073	142	6,582	151	6,319	141	7,284	159	8,115	158
65 +	840	6	937	7	865	8	964	6	1,123	3
Unknown	562	0	633	2	610	1	702	3	805	5
Total	**10,392**	**230**	**11,191**	**239**	**10,719**	**264**	**12,253**	**255**	**13,503**	**250**



	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2010	23	1,821	1,073	6,073	840	562	10,392
2011	24	1,826	1,189	6,582	937	633	11,191
2012	30	1,712	1,183	6,319	865	610	10,719
2013	32	1,856	1,415	7,284	964	702	12,253
2014	22	1,927	1,511	8,115	1,123	805	13,503
Average	26	1,828	1,274	6,875	946	662	11,612



	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2010	0	20	62	142	6	0	230
2011	0	22	57	151	7	2	239
2012	2	43	69	141	8	1	264
2013	0	24	63	159	6	3	255
2014	0	19	65	158	3	5	250
Average	0	26	63	150	6	2	248

Ottawa 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	36	31	16	19	0	6	7	2	4
21 - 24	70	67	57	65	0	12	26	18	9
25 - 64	218	193	131	158	1	23	42	39	53
65 +	10	14	2	3	0	0	2	0	1
Unknown	26	1	0	5	0	0	0	0	5
Total	**360**	**306**	**206**	**250**	**1**	**41**	**77**	**59**	**72**

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

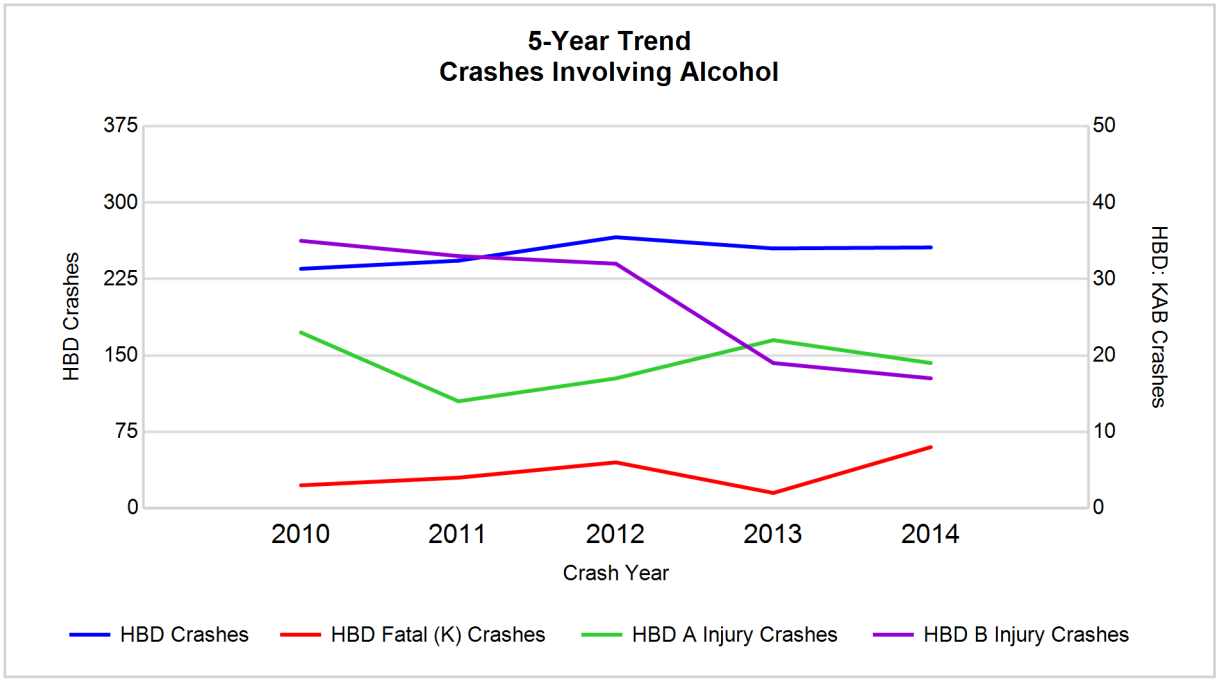
In 2014, there were 360 drivers in alcohol-involved crashes; 250 (69.4%) of those drivers were coded as had-been-drinking by the officer on the crash form.

- 136 (54.4%) of the 250 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 59 (43.4%) of the 136 drivers had a BAC at or above 0.17 g/dL.
- 206 (82.4%) of the 250 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	6,315	235	3.7	16	3	18.8	122	23	18.9	345	35	10.1
2011	6,739	243	3.6	11	4	36.4	132	14	10.6	361	33	9.1
2012	6,471	266	4.1	16	6	37.5	116	17	14.7	322	32	9.9
2013	7,437	255	3.4	19	2	10.5	98	22	22.4	294	19	6.5
2014	7,887**	256	3.2*	21**	8**	38.1**	116	19	16.4	299	17*	5.7*

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



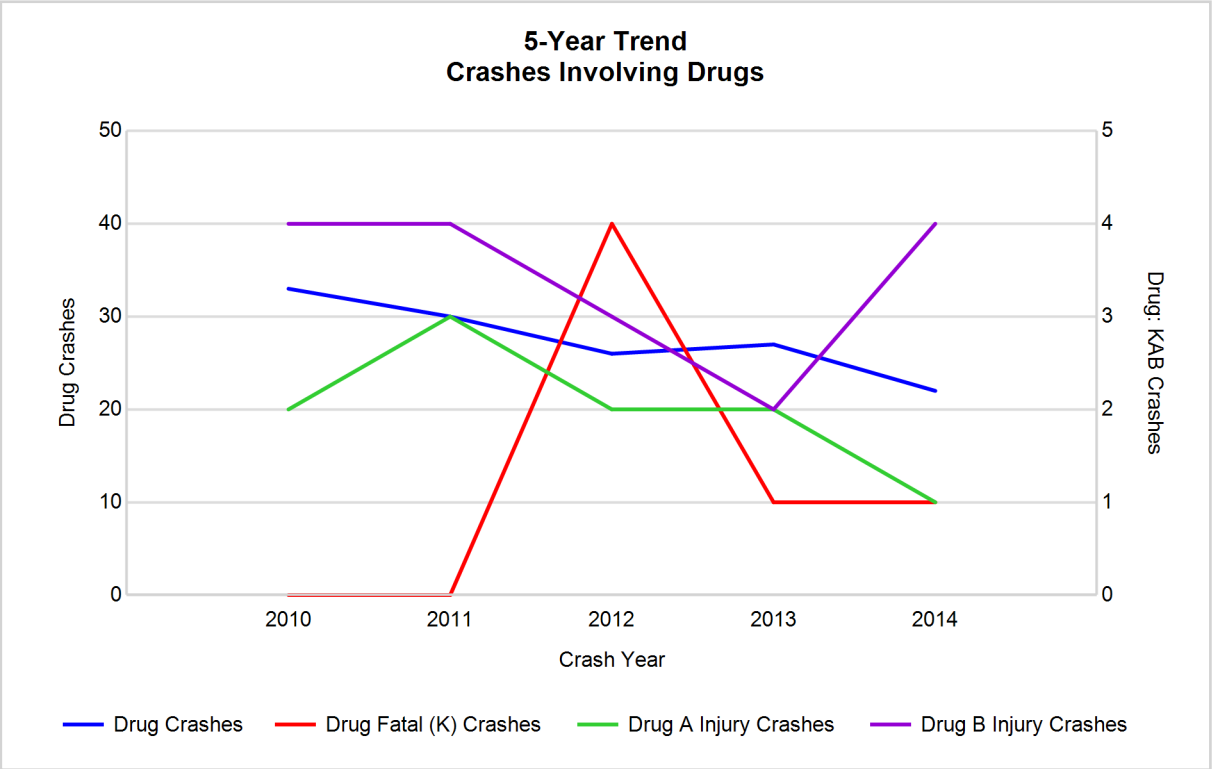
Note: Had-Been-Drinking (HBD)

Ottawa County (continued)

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	6,315	33	0.5	16	0	0.0	122	2	1.6	345	4	1.2
2011	6,739	30	0.4	11	0	0.0	132	3	2.3	361	4	1.1
2012	6,471	26	0.4	16	4	25.0	116	2	1.7	322	3	0.9
2013	7,437	27	0.4	19	1	5.3	98	2	2.0	294	2	0.7
2014	7,887**	22*	0.3*	21**	1	4.8	116	1*	0.9*	299	4	1.3**

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

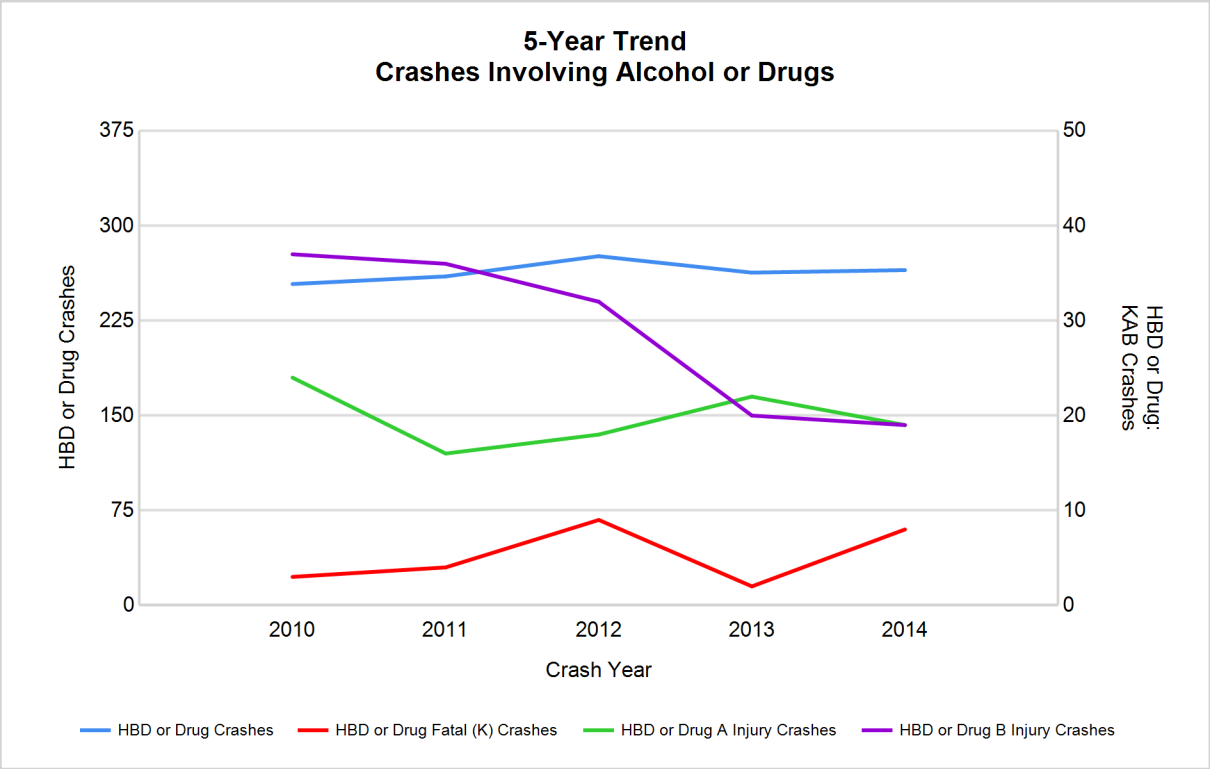


Ottawa County (continued)

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	6,315	254	4.0	16	3	18.8	122	24	19.7	345	37	10.7
2011	6,739	260	3.9	11	4	36.4	132	16	12.1	361	36	10.0
2012	6,471	276	4.3	16	9	56.3	116	18	15.5	322	32	9.9
2013	7,437	263	3.5	19	2	10.5	98	22	22.4	294	20	6.8
2014	7,887**	265	3.4*	21**	8	38.1	116	19	16.4	299	19*	6.4*

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)

Ottawa County (continued)

2014 - Restraint Use 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	10,493	9,832	93.7	14	8	57.1	84	69	82.1	253	232	91.7	928	902	97.2	8,777	8,619	98.2
Van & motorhome	800	749	93.6	0	0	0.0	2	2	100.0	15	15	100.0	78	70	89.7	679	662	97.5
Pickup truck	1,566	1,436	91.7	2	0	0.0	18	16	88.9	26	25	96.2	84	82	97.6	1,344	1,312	97.6
Small truck under 10,000 lbs. GVWR	243	226	93.0	0	0	0.0	3	3	100.0	5	4	80.0	13	12	92.3	212	207	97.6
Cycle	102	79	77.5	3	3	100.0	17	13	76.5	36	29	80.6	24	19	79.2	18	14	77.8
Moped	23	13	56.5	0	0	0.0	1	0	0.0	10	5	50.0	9	6	66.7	3	2	66.7
Go Cart	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
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)	1	1	100.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0
Other	40	26	65.0	0	0	0.0	0	0	0.0	1	1	100.0	5	3	60.0	29	22	75.9
Truck/bus over 10,000 lbs.	467	443	94.9	0	0	0.0	1	1	100.0	4	3	75.0	12	10	83.3	438	429	97.9
Unknown	154	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0
Total	**13,891**	**12,807**	**92.2**	**19**	**11**	**0.0**	**126**	**104**	**82.5**	**351**	**315**	**89.7**	**1,153**	**1,104**	**95.8**	**11,504**	**11,269**	**98.0**

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

2014 - Restraint Use 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	126	119	94.4	0	0	0.0	4	4	100.0	30	26	86.7	73	71	97.3	19	18	94.7
16 - 20	1,985	1,943	97.9	1	1	100.0	22	14	63.6	55	49	89.1	131	121	92.4	1,774	1,758	99.1
21 - 24	1,548	1,499	96.8	2	0	0.0	13	11	84.6	38	30	78.9	127	118	92.9	1,366	1,339	98.0
25 - 64	8,257	8,080	97.9	9	5	55.6	74	63	85.1	182	165	90.7	691	667	96.5	7,292	7,179	98.5
65 +	1,170	1,153	98.5	7	5	71.4	13	12	92.3	46	45	97.8	130	127	97.7	974	964	99.0
Unknown	805	13	1.6	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	79	11	13.9
Total	**13,891**	**12,807**	**92.2**	**19**	**11**	**0.0**	**126**	**104**	**82.5**	**351**	**315**	**89.7**	**1,153**	**1,104**	**95.8**	**11,504**	**11,269**	**98.0**

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

Ottawa County (continued)

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	29	0	6	60	0	9	74	0	16	126	0	14	47	0	3
Shoulder belt only used	2	0	0	5	0	0	4	1	2	4	0	0	7	0	0
Lap belt only used	7	0	0	9	0	3	14	0	0	29	0	2	34	0	7
Both lap & shoulder belts used	9,576	8	1,001	10,263	7	1,077	9,748	6	1,019	11,104	7	1,026	12,338	5	1,112
No belts used	41	1	20	43	1	19	51	4	17	55	1	19	60	4	21
Child restraint used	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0
Child restraint not used, unavailable or improper use	3	0	0	2	0	0	4	0	0	0	0	0	0	0	0
Restraint failure	3	0	0	1	0	0	4	0	2	0	0	0	3	0	2
Restraint use unknown	226	1	17	260	1	15	254	0	14	154	0	27	133	3	14
Helmet worn	89	4	68	85	1	66	93	3	64	84	1	62	82	3	62
Helmet not worn	6	0	5	10	0	7	33	0	22	37	1	24	25	0	20
Helmet use unknown	3	0	1	1	0	0	4	0	4	3	0	0	6	0	4
Uncoded & errors	406	0	1	452	0	1	435	0	2	657	0	0	768	0	1
Total	**10,392**	**14**	**1,120**	**11,191**	**10**	**1,197**	**10,719**	**14**	**1,162**	**12,253**	**10**	**1,174**	**13,503**	**15**	**1,246**

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

5-Year Trend - Restraint Use Among Drivers Coded Drinking

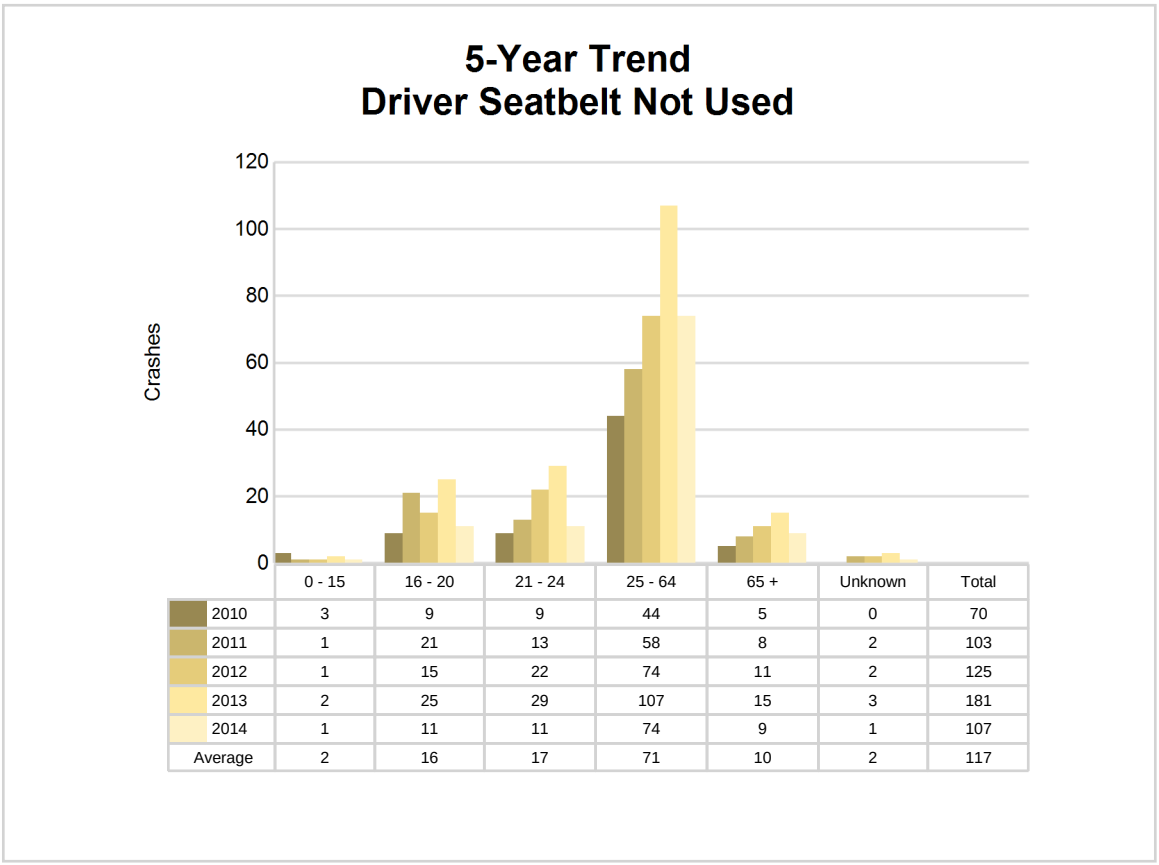
Restraint Use	2010			2011			2012			2013			2014		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	3	0	2	2	0	1	2	0	1	2	0	0	2	0	0
Shoulder belt only used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lap belt only used	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0
Both lap & shoulder belts used	180	1	37	190	2	38	196	0	43	197	1	38	192	1	28
No belts used	12	0	11	6	0	5	12	3	7	7	0	6	15	2	6
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	1	0	1	0	0	0	0	0	0
Restraint use unknown	27	0	8	31	1	8	41	0	8	37	0	11	31	1	7
Helmet worn	6	0	6	3	1	2	5	1	4	2	0	1	1	0	1
Helmet not worn	1	0	1	3	0	3	6	0	5	7	0	6	2	0	2
Helmet use unknown	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Uncoded & errors	1	0	1	2	0	0	1	0	0	3	0	0	4	0	0
Total	**230**	**1**	**66**	**239**	**4**	**58**	**264**	**4**	**69**	**255**	**1**	**62**	**250**	**4**	**46**

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

Ottawa County (continued)

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	3	0	1	1	0	0	1	0	0	2	0	0	1	0	0
16 - 20	9	1	3	21	0	7	15	0	4	25	0	3	11	0	6
21 - 24	9	0	3	13	0	5	22	0	11	29	0	7	11	1	2
25 - 64	44	0	19	58	1	14	74	3	16	107	1	19	74	2	14
65 +	5	0	0	8	0	2	11	1	2	15	0	4	9	1	2
Unknown	0	0	0	2	0	0	2	0	0	3	0	0	1	0	0
Total	**70**	**1**	**26**	**103**	**1**	**28**	**125**	**4**	**33**	**181**	**1**	**33**	**107**	**4**	**24**

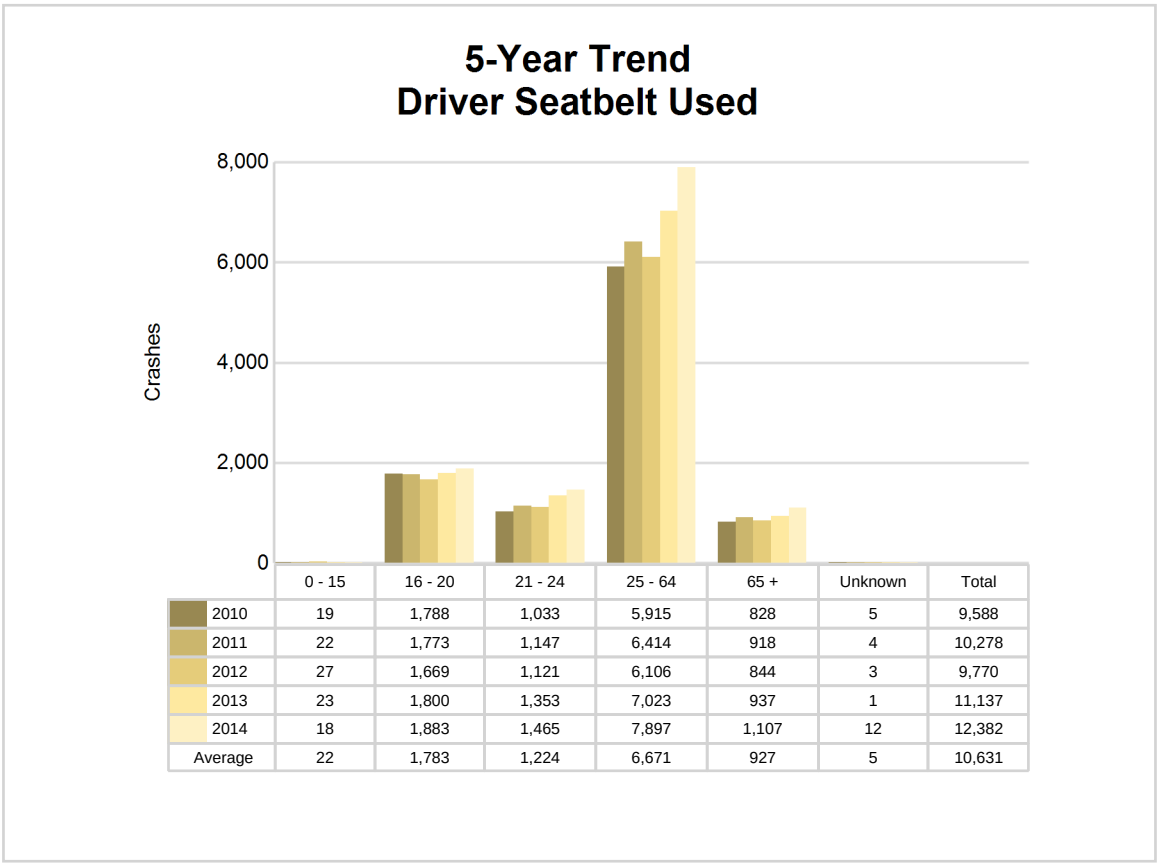


	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2010	3	9	9	44	5	0	70
2011	1	21	13	58	8	2	103
2012	1	15	22	74	11	2	125
2013	2	25	29	107	15	3	181
2014	1	11	11	74	9	1	107
Average	2	16	17	71	10	2	117

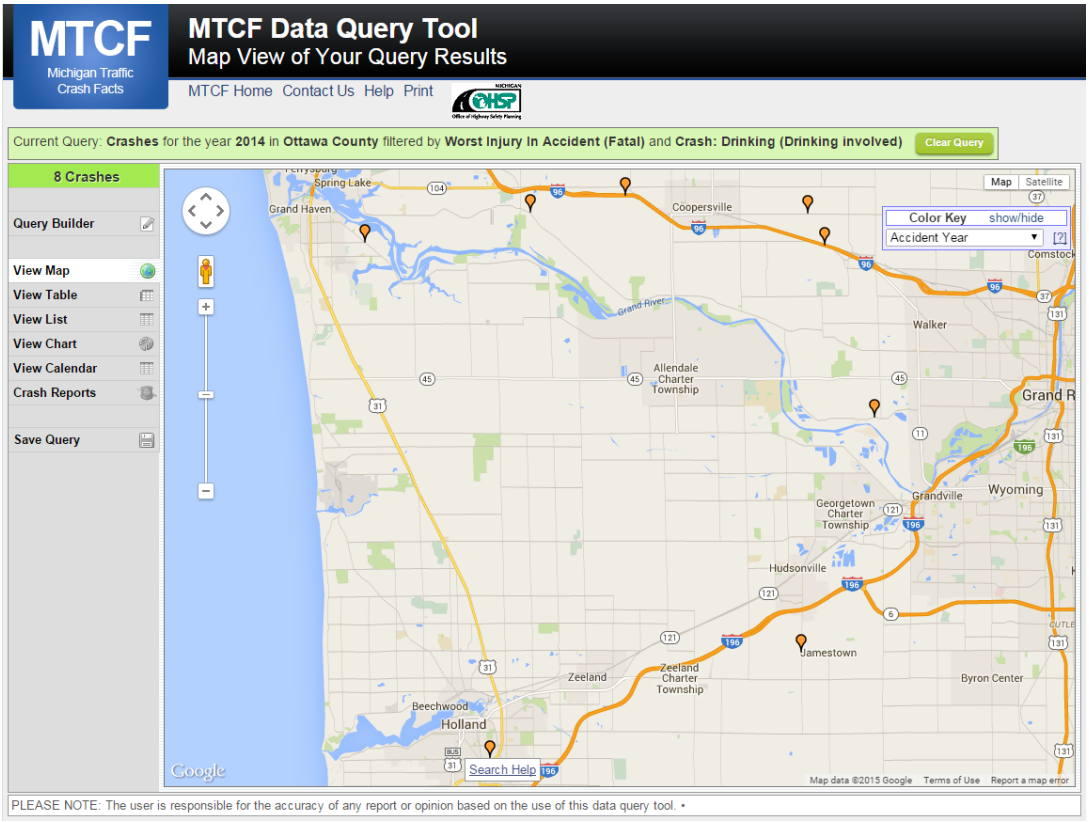
Ottawa County (continued)

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	19	0	1	22	0	2	27	0	4	23	0	3	18	0	1
16 - 20	1,788	3	185	1,773	4	192	1,669	3	154	1,800	2	155	1,883	1	127
21 - 24	1,033	1	120	1,147	1	118	1,121	0	134	1,353	0	149	1,465	0	127
25 - 64	5,915	3	599	6,414	2	648	6,106	3	635	7,023	0	620	7,897	1	726
65 +	828	1	96	918	0	120	844	1	95	937	5	101	1,107	3	140
Unknown	5	0	0	4	0	0	3	0	1	1	0	0	12	0	0
Total	**9,588**	**8**	**1,001**	**10,278**	**7**	**1,080**	**9,770**	**7**	**1,023**	**11,137**	**7**	**1,028**	**12,382**	**5**	**1,121**



Ottawa County (continued)



The picture above represents all 2014 alcohol-involved fatal crashes in Ottawa County.

In 2014, there were 256 alcohol-involved crashes in Ottawa County:

8	K - Fatal Crashes
19	A - Incapacitating Injury Crashes
17	B - Non-incapacitating Injury Crashes
36	C - Possible Injury Crashes
176	O - Property Damage Only/No Injury Crashes

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