MICHIGAN

OHSP

Office of Highway Safety Planning

2016

MTCF
Michigan Traffic
Crash Facts

Michigan Traffic Crash Facts

Monroe County

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

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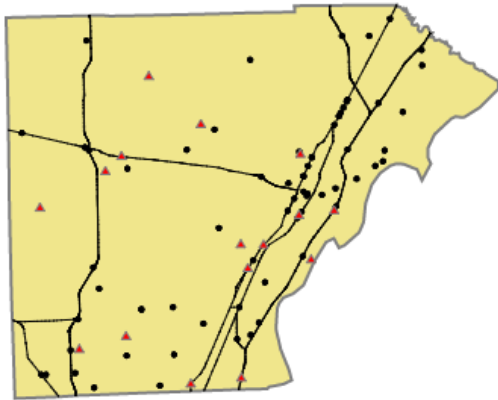
Monroe County

Crashes by most severe injury (mapped/actual)

▲ K - Fatal (16/16)

● A - Suspected Serious (67/67)

Monroe County

In 2016:

There were 6,227 drivers involved in 3,758 motor vehicle crashes in Monroe County. Of those crashes, 16 were classified as fatal, resulting in 18 fatalities. An additional 930 persons were injured.

Monroe County experienced the highest number of motor vehicle crashes (401) in December, the highest number of fatal crashes (4) and the highest number of persons killed (4) in October.

Michigan driver statistics indicate 7.0 percent of licensed drivers in Monroe County were age 16-20, and 13.2 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	310	0	47	263	0	66
February	340	2	46	292	2	68
March	315	0	51	264	0	64
April	272	1	42	229	1	61
May	316	0	60	256	0	76
June	320	3	73	244	3	106
July	297	2	64	231	3	87
August	276	2	60	214	3	75
September	250	1	66	183	1	96
October	327	4	52	271	4	90
November	334	1	47	286	1	64
December	401	0	57	344	0	77
Total	**3,758**	**16**	**665**	**3,077**	**18**	**930**

2016 - Driver Statistics

Age Group	Statewide			Driver Rates	
	2016 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	28,392	849	7	2.5	82.4
16 - 20	9,214	8,296	820	890.0	988.4
21 - 24	7,069	7,432	567	802.1	762.9
25 - 64	79,301	77,866	3,678	463.8	472.3
65 +	25,232	23,540	613	242.9	260.4
Unknown	0	0	542	- -	- -
Total	**149,208**	**117,983**	**6,227**	**417.3**	**527.8**

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	4,535	72.8	14	48.3	856	3,665
Motor home	112	1.8	0	0.0	22	90
Pickup truck	885	14.2	6	20.7	174	705
Small truck under 10,000 lbs. GVWR	91	1.5	0	0.0	20	71
Motorcycle	49	0.8	3	10.3	33	13
Moped / goped	3	0.0	0	0.0	3	0
Go-cart / golf cart	0	0.0	0	0.0	0	0
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	4	0.1	0	0.0	3	1
Other	38	0.6	0	0.0	7	31
Truck/bus over 10,000 lbs.	363	5.8	6	20.7	61	296
Unknown	147	2.4	0	0.0	2	145
Total	**6,227**	**100.0**	**29**	**100.0**	**1,181**	**5,017**

Monroe County (continued)

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	375	1	330	0	596	3	440	0	310	0
February	343	5	377	4	414	0	376	0	340	2
March	288	3	264	1	348	1	258	0	315	0
April	265	3	245	1	258	3	242	1	272	1
May	288	0	315	2	273	1	272	1	316	0
June	260	4	303	4	282	3	313	2	320	3
July	298	2	328	2	282	6	312	2	297	2
August	272	4	277	3	256	2	274	1	276	2
September	273	1	283	4	285	2	292	2	250	1
October	340	4	376	2	366	2	362	2	327	4
November	361	2	309	4	456	1	373	0	334	1
December	407	1	485	1	260	0	340	2	401	0
Total	**3,770**	**30**	**3,892**	**28**	**4,076**	**24**	**3,854**	**13**	**3,758**	**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	523	1	587	5	506	3	595	1	488	2
Tuesday	471	7	552	2	606	3	557	0	590	3
Wednesday	534	5	538	6	641	5	587	2	563	1
Thursday	504	2	524	3	667	2	540	2	565	0
Friday	717	4	623	7	629	5	583	4	624	3
Saturday	580	8	597	3	549	3	545	1	502	4
Sunday	441	3	471	2	478	3	447	3	426	3
Total	**3,770**	**30**	**3,892**	**28**	**4,076**	**24**	**3,854**	**13**	**3,758**	**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

Monroe County (continued)
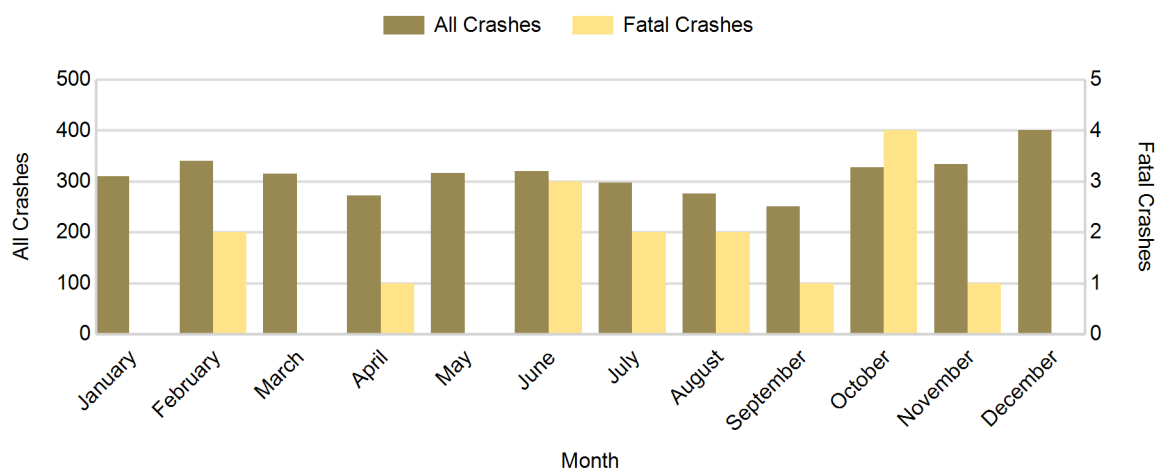
2016 - Crashes by Day of Week

Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Monday	488	13.0	2	12.5	13	19	55	399
Tuesday	590	15.7	3	18.8	8	27	76	476
Wednesday	563	15.0	1	6.3	12	23	57	470
Thursday	565	15.0	0	0.0	9	24	70	462
Friday	624	16.6	3	18.8	6	27	71	517
Saturday	502	13.4	4	25.0	10	29	49	410
Sunday	426	11.3	3	18.8	9	19	52	343
Total	**3,758**	**100.0**	**16**	**100.0**	**67**	**168**	**430**	**3,077**

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	2,749	19	2,824	23	3,049	18	2,862	9	2,830	9
Weekend	1,021	11	1,068	5	1,027	6	992	4	928	7
Total	**3,770**	**30**	**3,892**	**28**	**4,076**	**24**	**3,854**	**13**	**3,758**	**16**

5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)
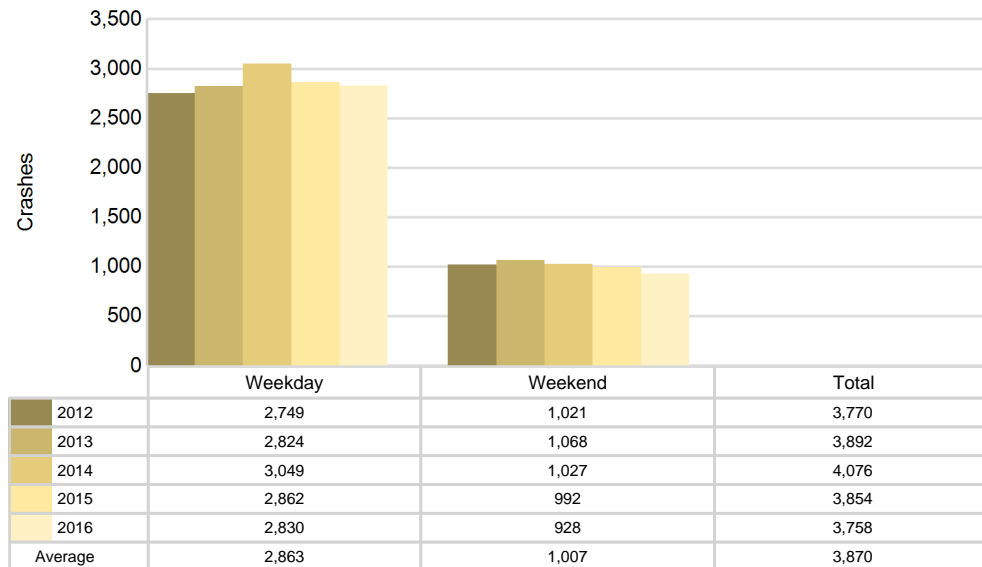
	Weekday	Weekend	Total
2012	2,749	1,021	3,770
2013	2,824	1,068	3,892
2014	3,049	1,027	4,076
2015	2,862	992	3,854
2016	2,830	928	3,758
Average	2,863	1,007	3,870

Monroe County (continued)

5-Year Trend - Crashes by Time of Day

Time of Day	2012 Total Crashes	2012 Fatal Crashes	2013 Total Crashes	2013 Fatal Crashes	2014 Total Crashes	2014 Fatal Crashes	2015 Total Crashes	2015 Fatal Crashes	2016 Total Crashes	2016 Fatal Crashes
Midnight - 2:59 AM	277	5	255	5	273	3	231	1	240	1
3:00 AM - 5:59 AM	207	1	245	2	268	3	252	0	208	1
6:00 AM - 8:59 AM	476	1	469	4	556	0	492	3	481	1
9:00 AM - 11:59 AM	451	3	482	1	493	2	426	4	419	0
Noon - 2:59 PM	686	6	694	7	691	4	644	0	657	3
3:00 PM - 5:59 PM	730 †	4	778 †	2	859 †	4	918 †	0	833 †	3
6:00 PM - 8:59 PM	549	4	552	6	570	4	546	1	567	5
9:00 PM - 11:59 PM	381	6	404	1	354	4	332	4	346	2
Unknown	13	0	13	0	12	0	13	0	7	0
Total	**3,770**	**30**	**3,892**	**28**	**4,076**	**24**	**3,854**	**13**	**3,758**	**16**

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

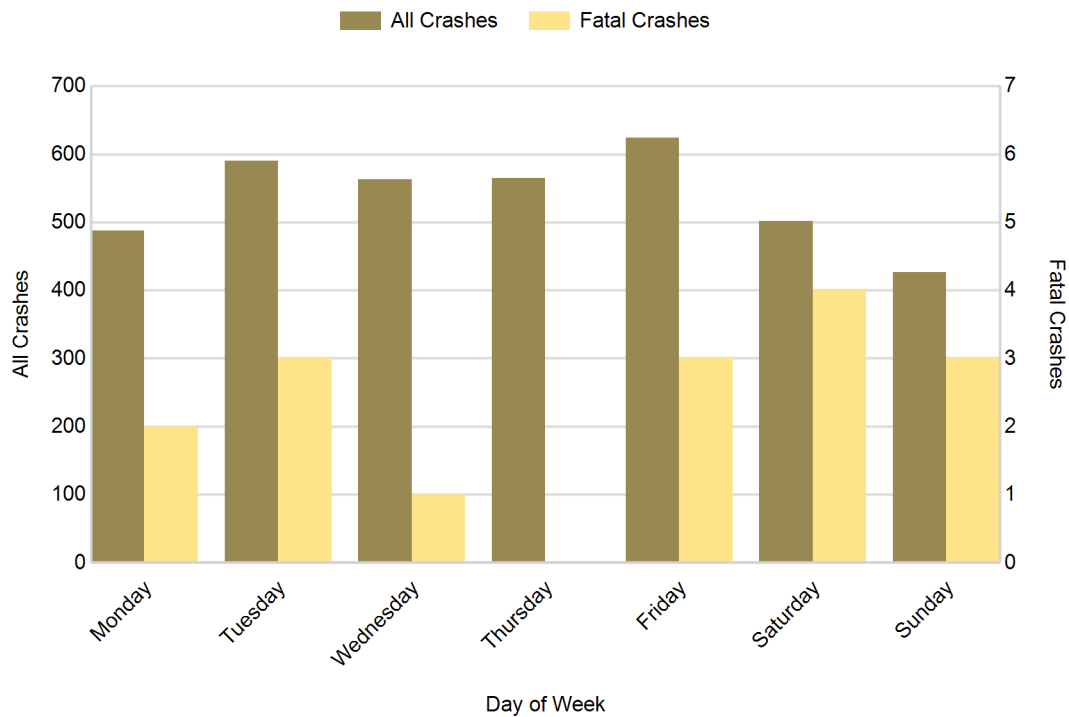## 5-Year Trend
Crashes by Time of Day

	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
2012	277	207	476	451	686	730	549	381	13	3,770
2013	255	245	469	482	694	778	552	404	13	3,892
2014	273	268	556	493	691	859	570	354	12	4,076
2015	231	252	492	426	644	918	546	332	13	3,854
2016	240	208	481	419	657	833	567	346	7	3,758
Average	255	236	495	454	674	824	557	363	12	3,870

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
2012	5	1	1	3	6	4	4	6	0	30
2013	5	2	4	1	7	2	6	1	0	28
2014	3	3	0	2	4	4	4	4	0	24
2015	1	0	3	4	0	0	1	4	0	13
2016	1	1	1	0	3	3	5	2	0	16
Average	3	1	2	2	4	3	4	3	0	22

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	240	6.4	1	6.3	7	19	23	190
3:00 AM	- 5:59 AM	208	5.5	1	6.3	4	5	14	184
6:00 AM	- 8:59 AM	481	12.8	1	6.3	7	13	53	407
9:00 AM	- 11:59 AM	419	11.1	0	0.0	5	16	44	354
Noon	- 2:59 PM	657	17.5	3	18.8	7	24	90	533
3:00 PM	- 5:59 PM	833	22.2	3	18.8	12	41	111	666
6:00 PM	- 8:59 PM	567	15.1	5	31.3	11	35	67	449
9:00 PM	- 11:59 PM	346	9.2	2	12.5	14	15	28	287
Unknown		7	0.2	0	0.0	0	0	0	7
Total		**3,758**	**100.0**	**16**	**100.0**	**67**	**168**	**430**	**3,077**

2016 Time and Severity
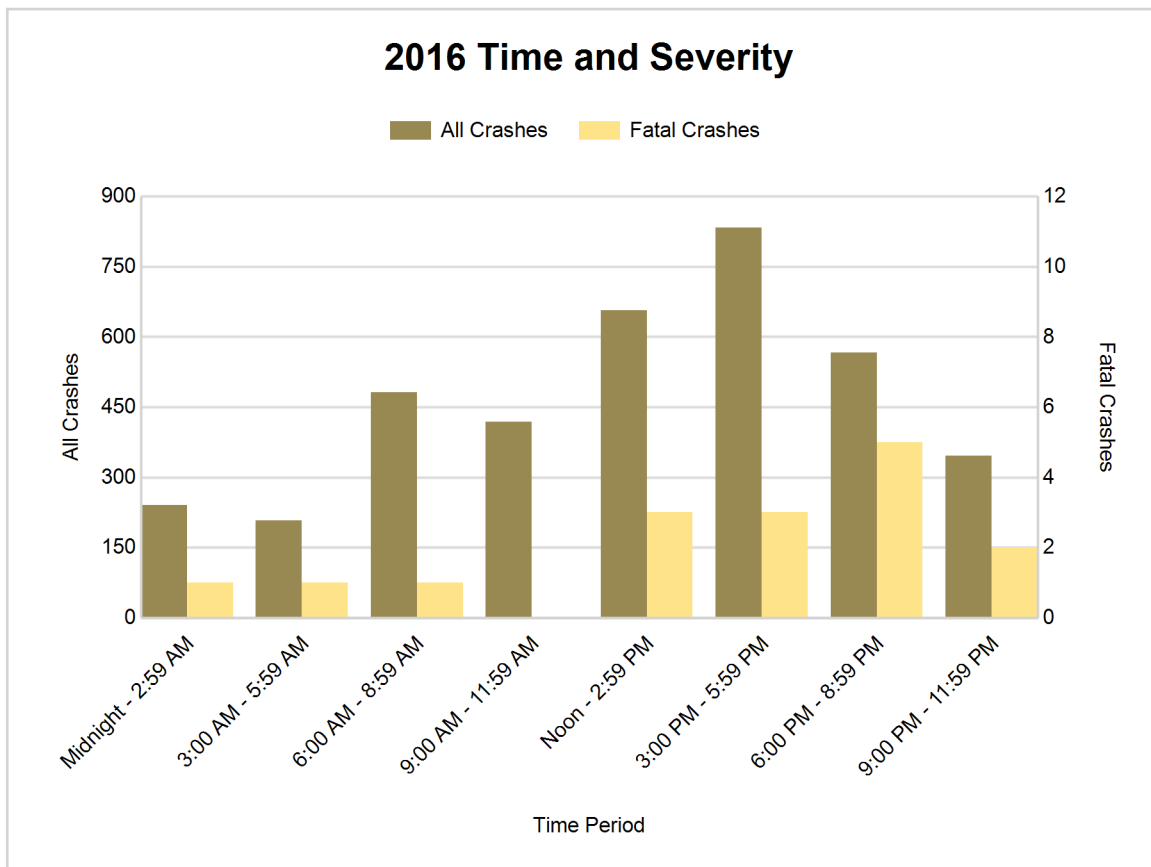
5-Year Trend - Deer-Involved Crashes by Time of Day

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	31	0	43	0	48	0	36	0	43	0
3:00 AM - 5:59 AM	42	0	59	0	59	0	62	0	54	0
6:00 AM - 8:59 AM	65	0	64	0	62	0	54	0	61	0
9:00 AM - 11:59 AM	18	0	17	0	14	0	7	0	16	0
Noon - 2:59 PM	13	0	13	0	14	0	13	0	9	0
3:00 PM - 5:59 PM	16	0	16	0	17	0	25	0	17	0
6:00 PM - 8:59 PM	90	0	62	1	81	0	86	0	80	0
9:00 PM - 11:59 PM	60	0	73	0	62	0	63	0	72	0
Unknown	1	0	1	0	0	0	3	0	0	0
Total	**336**	**0**	**348**	**1**	**357**	**0**	**349**	**0**	**352**	**0**

Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period
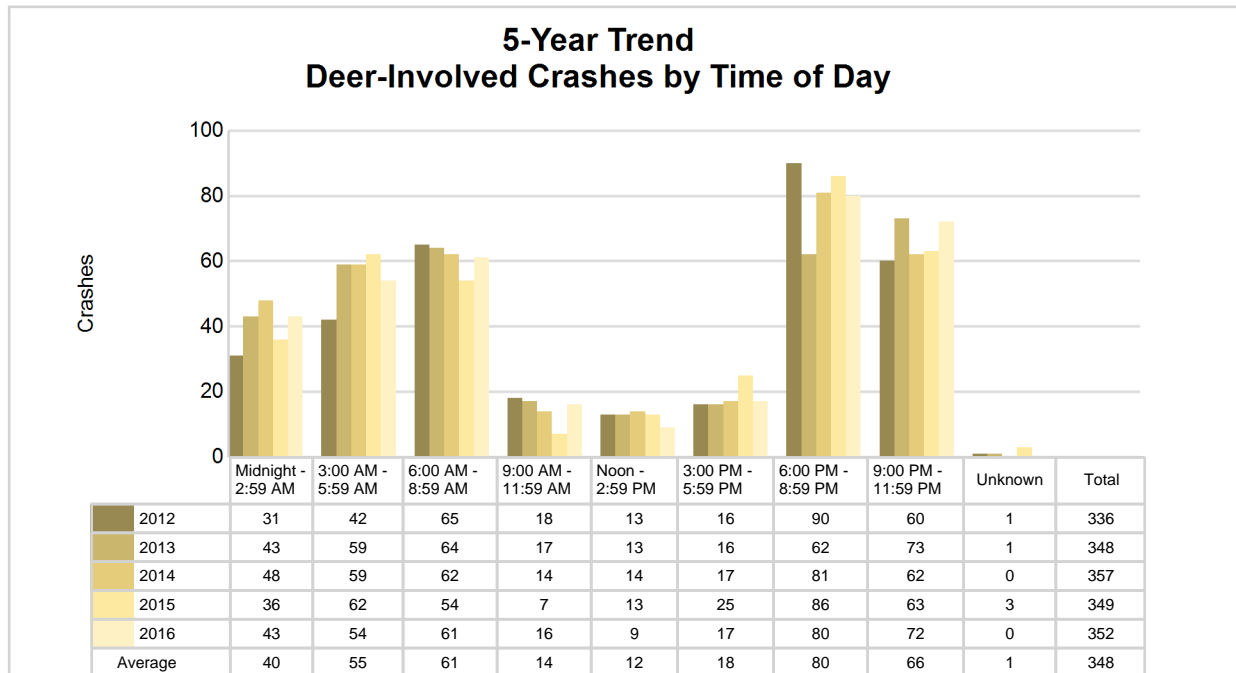
5-Year Trend
Deer-Involved Crashes by Time of Day

	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
2012	31	42	65	18	13	16	90	60	1	336
2013	43	59	64	17	13	16	62	73	1	348
2014	48	59	62	14	14	17	81	62	0	357
2015	36	62	54	7	13	25	86	63	3	349
2016	43	54	61	16	9	17	80	72	0	352
Average	40	55	61	14	12	18	80	66	1	348

2016 Time and Severity of Deer-Involved Crashes

All Crashes   Fatal Crashes
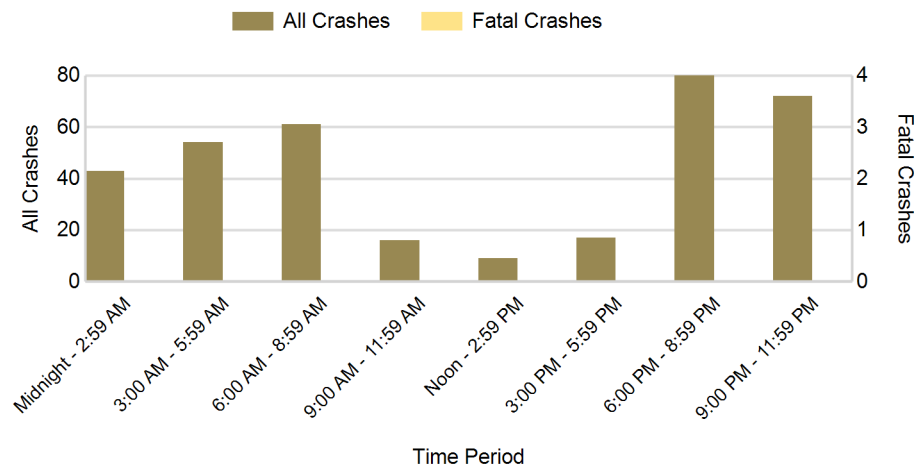
There were no fatal deer-involved crashes in Monroe County in 2016

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
Ash Twp.	165	0	34	131	62	46	0	57	5	2	30	0	46
Bedford Twp.	529	2	90	437	0	19	5	504	26	4	48	2	132
Berlin Twp.	170	0	30	140	57	18	0	94	19	5	17	0	34
Carleton	21	0	4	17	0	0	0	21	0	0	1	0	6
Dundee	110	0	14	96	0	43	47	19	1	0	3	0	17
Dundee Twp.	85	2	16	67	0	11	27	46	5	0	13	2	22
Erie Twp.	199	1	34	164	111	19	17	50	8	1	23	1	48
Estral Beach	0	0	0	0	0	0	0	0	0	0	0	0	0
Exeter Twp.	40	0	11	29	0	0	0	40	4	1	3	0	13
Frenchtown Twp.	602	1	148	453	145	160	64	230	38	10	29	1	218
Ida Twp.	59	0	7	52	0	0	0	59	5	1	20	0	9
LaSalle Twp.	144	4	20	120	47	35	22	37	10	2	20	4	29
London Twp.	57	1	6	50	0	0	0	57	1	0	15	1	10
Luna Pier	7	0	1	6	4	0	0	3	0	1	0	0	2
Maybee	3	0	1	2	0	0	0	3	0	0	0	0	1
Milan	26	0	3	23	0	6	0	20	1	0	1	0	4
Milan Twp.	77	0	16	61	0	48	0	29	3	0	7	0	22
Monroe	680	1	114	565	81	123	131	344	23	12	9	1	155
Monroe Twp.	251	1	43	207	49	50	60	92	9	5	17	1	62
Petersburg	6	0	0	6	0	0	0	6	0	0	0	0	0
Raisinville Twp.	134	1	21	112	0	0	31	103	6	3	25	1	30
South Rockwood	39	0	8	31	26	0	0	13	2	1	2	0	10
Summerfield Twp.	134	1	13	120	0	66	0	66	8	0	29	2	18
Whiteford Twp.	220	1	31	188	0	77	16	127	9	5	40	2	42
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**3,758**	**16**	**665**	**3,077**	**582**	**721**	**420**	**2,020**	**183**	**53**	**352**	**18**	**930**

Monroe County (continued)

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	8	0	19	0	12	1	7	0	7	0
16 - 20	870	18	841	17	791	14	835	15	820	11
21 - 24	564	28	605	34	650	38	564	35	567	31
25 - 64	3,562	148	3,727	139	4,003	143	3,779	108	3,678	131
65 +	510	6	576	5	600	8	578	3	613	4
Unknown	535	2	526	1	494	0	545	2	542	0
Total	**6,049**	**202**	**6,294**	**196**	**6,550**	**204**	**6,308**	**163**	**6,227**	**177**

5-Year Trend
Total Drivers in Crashes by Age

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2012	8	870	564	3,562	510	535	6,049
2013	19	841	605	3,727	576	526	6,294
2014	12	791	650	4,003	600	494	6,550
2015	7	835	564	3,779	578	545	6,308
2016	7	820	567	3,678	613	542	6,227
Average	11	831	590	3,750	575	528	6,286

5-Year Trend
Total Drivers Coded Drinking by Age

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2012	0	18	28	148	6	2	202
2013	0	17	34	139	5	1	196
2014	1	14	38	143	8	0	204
2015	0	15	35	108	3	2	163
2016	0	11	31	131	4	0	177
Average	0	15	33	134	5	1	188
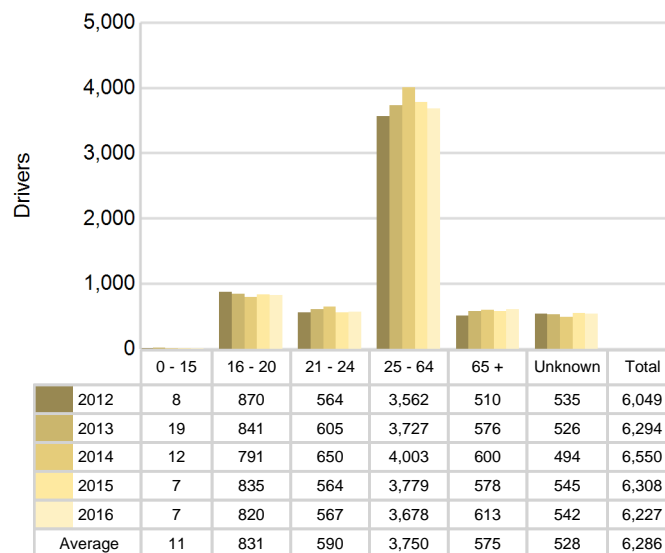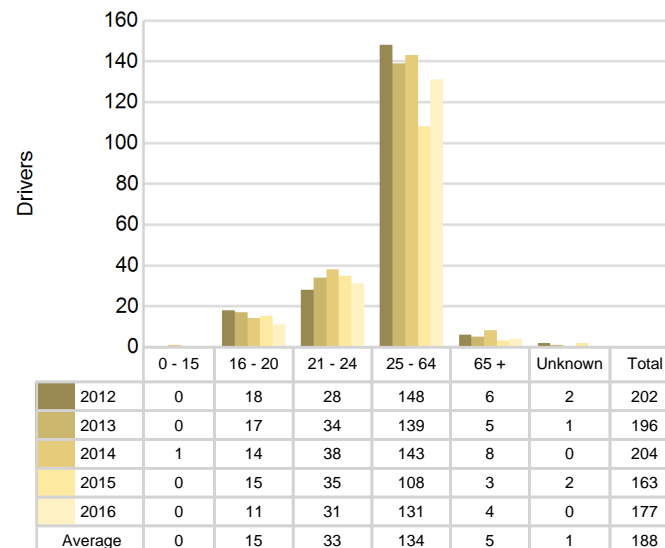
**2016 - Bodily Alcohol Concentration (BAC) Results Among
All Vehicle Drivers in Alcohol-Involved Crashes by Age**

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	19	15	7	11	0	1	4	2	4
21 - 24	42	25	21	31	0	2	4	13	12
25 - 64	174	144	116	131	1	12	27	63	28
65 +	11	6	3	4	0	0	0	3	1
Unknown	15	0	0	0	0	0	0	0	0
Total	**261**	**190**	**147**	**177**	**1**	**15**	**35**	**81**	**45**

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 261 drivers in alcohol-involved crashes; 177 (67.8%) of those drivers were coded as had-been-drinking by the officer on the crash form.
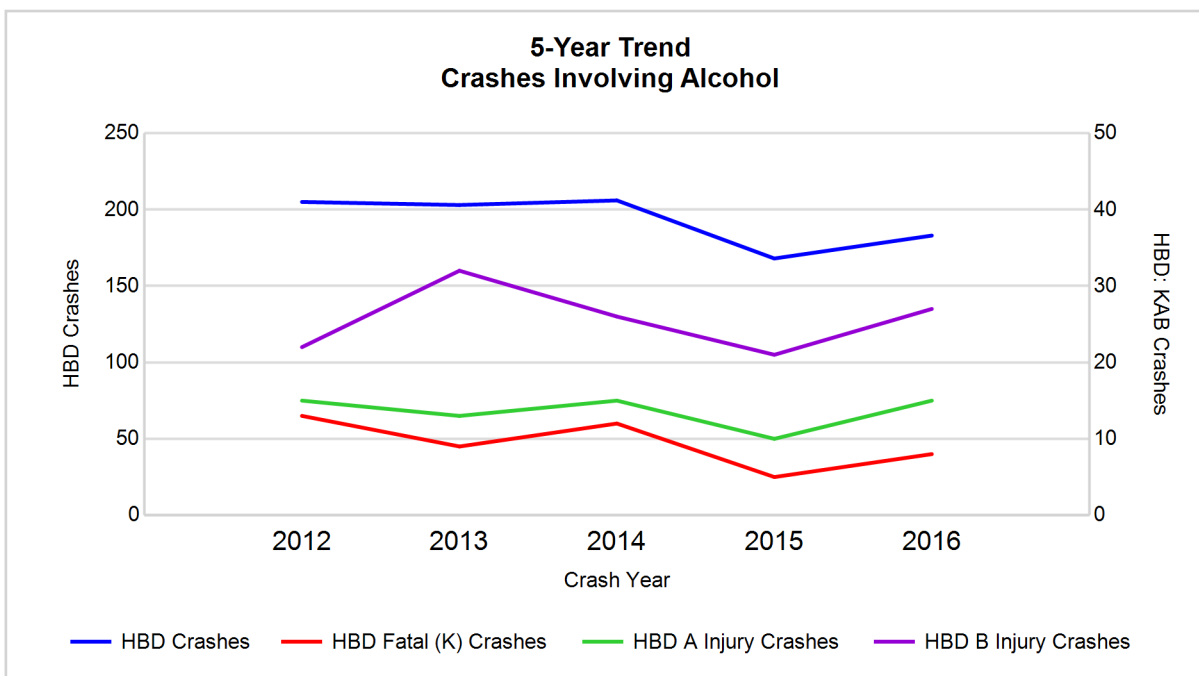
- 116 (65.5%) of the 177 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 81 (69.8%) of the 116 drivers had a BAC at or above 0.17 g/dL.

- 147 (83.1%) of the 177 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	3,770	205	5.4	30	13	43.3	85	15	17.6	161	22	13.7
2013	3,892	203	5.2	28	9	32.1	86	13	15.1	166	32	19.3
2014	4,076	206	5.1	24	12	50.0	71	15	21.1	187	26	13.9
2015	3,854	168	4.4	13	5	38.5	48	10	20.8	161	21	13.0
2016	3,758*	183	4.9	16	8	50.0	67	15	22.4**	168	27	16.1

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**

Note: Had-Been-Drinking (HBD)

Monroe 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
2012	3,770	57	1.5	30	4	13.3	85	5	5.9	161	7	4.3
2013	3,892	44	1.1	28	6	21.4	86	1	1.2	166	6	3.6
2014	4,076	61	1.5	24	5	20.8	71	5	7.0	187	8	4.3
2015	3,854	42	1.1	13	2	15.4	48	5	10.4	161	5	3.1
2016	3,758*	53	1.4	16	4	25.0**	67	6**	9.0	168	10**	6.0**

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
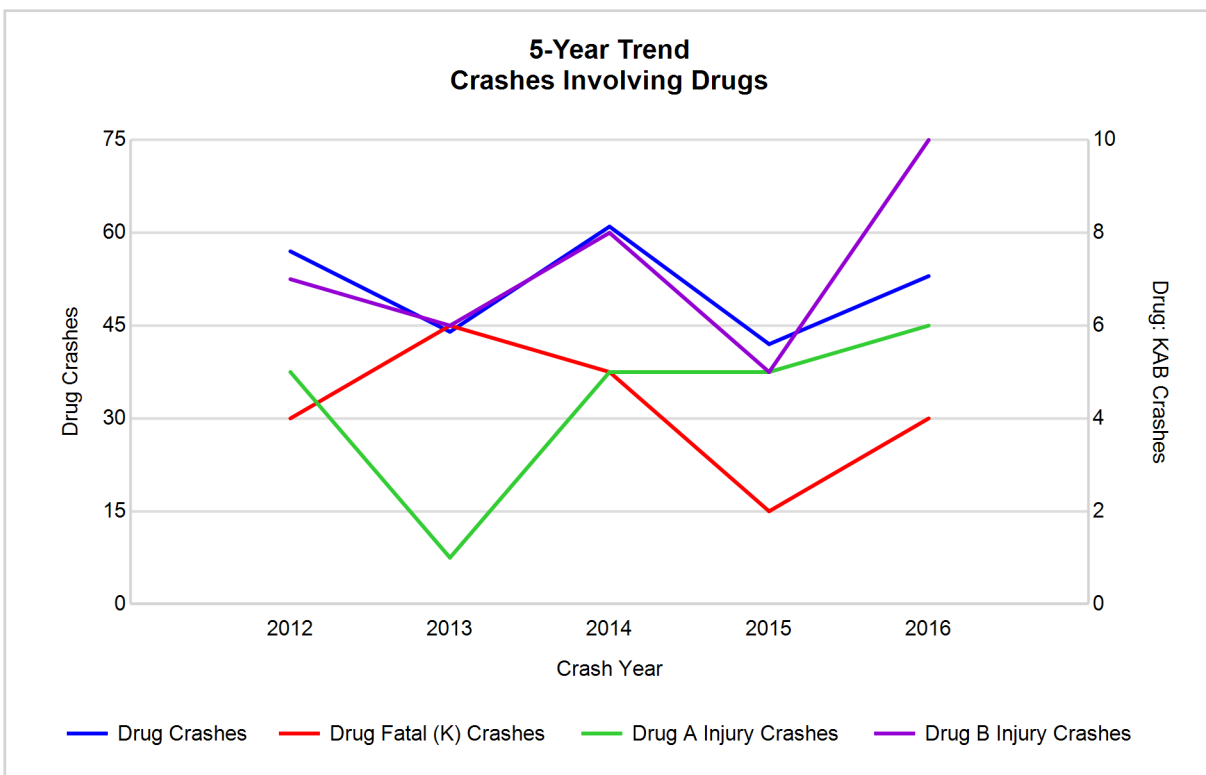

5-Year Trend Crashes Involving Drugs

Monroe 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
2012	3,770	239	6.3	30	15	50.0	85	18	21.2	161	27	16.8
2013	3,892	230	5.9	28	13	46.4	86	13	15.1	166	36	21.7
2014	4,076	235	5.8	24	13	54.2	71	17	23.9	187	31	16.6
2015	3,854	194	5.0	13	6	46.2	48	14	29.2	161	23	14.3
2016	3,758*	211	5.6	16	9	56.3**	67	19**	28.4	168	32	19.0

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

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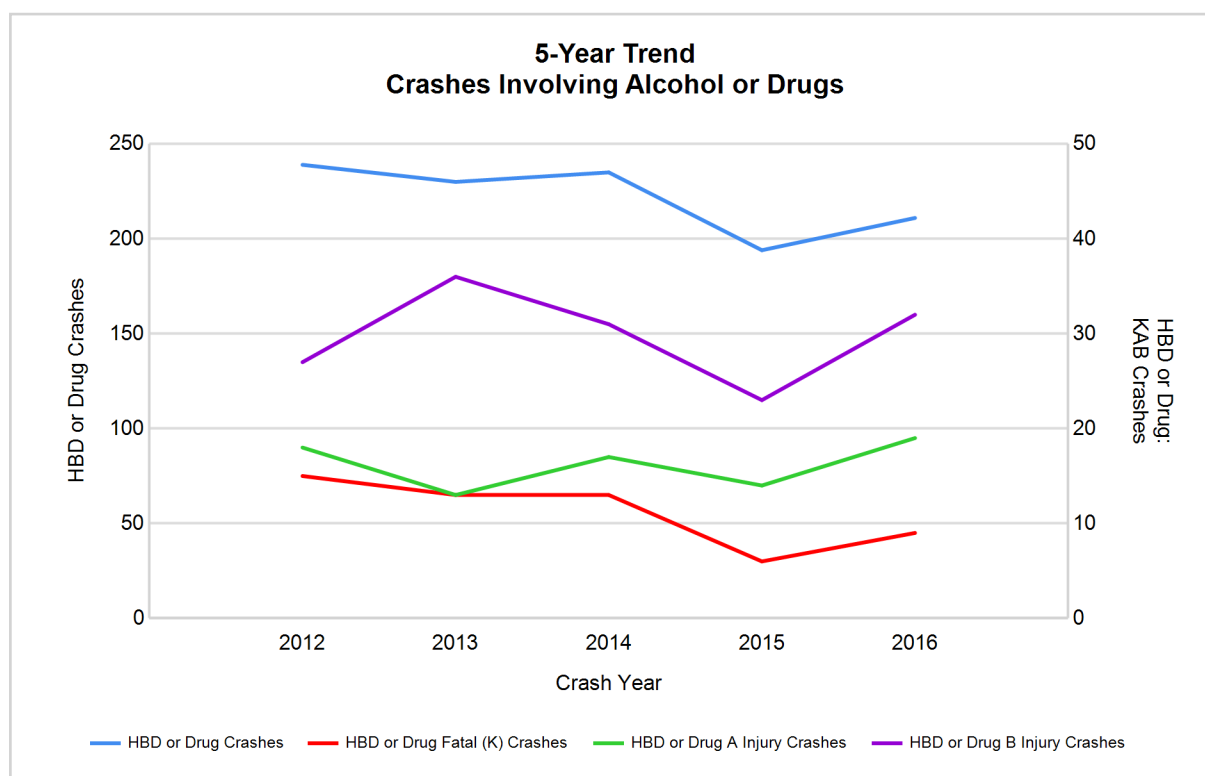

Note: Had-Been-Drinking (HBD)

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	4,701	4,301	91.5	6	6	100.0	44	35	79.5	141	124	87.9	490	469	95.7	3,747	3,667	97.9
Motor home	118	111	94.1	0	0	0.0	1	0	0.0	2	2	100.0	17	17	100.0	92	92	100.0
Pickup truck	919	826	89.9	4	2	50.0	11	7	63.6	30	28	93.3	84	76	90.5	739	713	96.5
Small truck under 10,000 lbs. GVWR	91	83	91.2	0	0	0.0	1	1	100.0	3	2	66.7	7	7	100.0	73	73	100.0
Motorcycle	56	25	44.6	4	2	50.0	13	2	15.4	11	6	54.5	12	8	66.7	14	7	50.0
Moped / goped	3	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0	1	0	0.0	0	0	0.0
Go-cart / golf cart	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Snowmobile	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	5	0	0.0	0	0	0.0	1	0	0.0	3	0	0.0	0	0	0.0	1	0	0.0
Other	39	11	28.2	0	0	0.0	1	0	0.0	0	0	0.0	1	0	0.0	16	11	68.8
Truck/bus over 10,000 lbs.	371	337	90.8	1	0	0.0	3	3	100.0	2	2	100.0	16	10	62.5	325	322	99.1
Unknown	147	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	6,450	5,694	88.3	15	10	0.0	76	48	63.2	193	164	85.0	628	587	93.5	5,007	4,885	97.6

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	64	52	81.3	0	0	0.0	1	1	100.0	8	6	75.0	50	41	82.0	5	4	80.0
16 - 20	852	827	97.1	2	1	50.0	11	9	81.8	32	26	81.3	86	84	97.7	721	707	98.1
21 - 24	584	565	96.7	0	0	0.0	8	5	62.5	26	23	88.5	50	48	96.0	499	489	98.0
25 - 64	3,760	3,613	96.1	11	7	63.6	47	25	53.2	98	83	84.7	354	328	92.7	3,248	3,170	97.6
65 +	648	634	97.8	2	2	100.0	9	8	88.9	29	26	89.7	88	86	97.7	520	512	98.5
Unknown	542	3	0.6	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	14	3	21.4
Total	6,450	5,694	88.3	15	10	0.0	76	48	63.2	193	164	85.0	628	587	93.5	5,007	4,885	97.6

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.

Monroe County (continued)

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	37	0	4	23	0	4	28	0	5	33	1	7	15	0	1
Shoulder belt only used	0	0	0	5	0	2	2	1	0	1	0	0	18	0	3
Lap belt only used	21	0	4	16	0	0	15	0	0	17	0	2	13	0	2
Both lap & shoulder belts used	5,230	8	570	5,455	7	556	5,717	6	635	5,519	1	581	5,450	6	592
No belts used	52	5	24	65	6	28	55	4	29	30	2	11	42	1	27
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	2	0	0	1	0	1	2	0	1	1	0	0	0	0	0
Restraint use unknown	187	2	23	186	1	30	218	3	22	172	0	19	408	1	17
Helmet worn	44	2	29	40	3	25	48	3	34	23	1	10	20	1	12
Helmet not worn	26	2	19	34	3	20	22	2	14	28	2	21	28	1	19
Helmet use unknown	1	0	1	4	0	1	3	0	1	4	0	1	8	0	6
Uncoded & errors	449	0	0	464	0	1	440	0	0	480	0	0	225	0	0
Total	**6,049**	**19**	**674**	**6,294**	**20**	**668**	**6,550**	**19**	**741**	**6,308**	**7**	**652**	**6,227**	**10**	**679**

5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2012			2013			2014			2015			2016		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	0	0	0	1	0	1	0	0	0	3	0	2	0	0	0
Shoulder belt only used	0	0	0	0	0	0	1	1	0	0	0	0	4	0	0
Lap belt only used	1	0	1	0	0	0	0	0	0	2	0	1	0	0	0
Both lap & shoulder belts used	143	4	36	151	1	39	144	0	36	127	0	30	125	1	42
No belts used	24	3	12	10	2	5	21	2	16	7	0	5	14	1	10
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	28	0	9	27	0	10	33	1	9	17	0	7	25	0	7
Helmet worn	2	1	1	0	0	0	1	1	0	2	0	2	4	0	4
Helmet not worn	3	1	2	7	2	5	4	2	1	5	2	3	4	0	4
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	**202**	**9**	**61**	**196**	**5**	**60**	**204**	**7**	**62**	**163**	**2**	**50**	**177**	**2**	**67**

Monroe County (continued)

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

Age Group	2012			2013			2014			2015			2016		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0
16 - 20	18	1	5	16	0	6	7	1	2	7	1	2	5	0	2
21 - 24	14	1	7	9	2	2	12	1	6	8	0	5	7	0	4
25 - 64	49	2	14	56	3	22	59	2	25	40	2	10	39	1	20
65 +	6	1	2	6	1	2	2	0	0	6	0	0	5	0	2
Unknown	2	0	0	1	0	0	2	0	0	2	0	1	0	0	0
Total	**89**	**5**	**28**	**88**	**6**	**32**	**83**	**4**	**34**	**63**	**3**	**18**	**57**	**1**	**28**

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
2012	0	18	14	49	6	2	89
2013	0	16	9	56	6	1	88
2014	1	7	12	59	2	2	83
2015	0	7	8	40	6	2	63
2016	1	5	7	39	5	0	57
Average	0	11	10	49	5	1	76
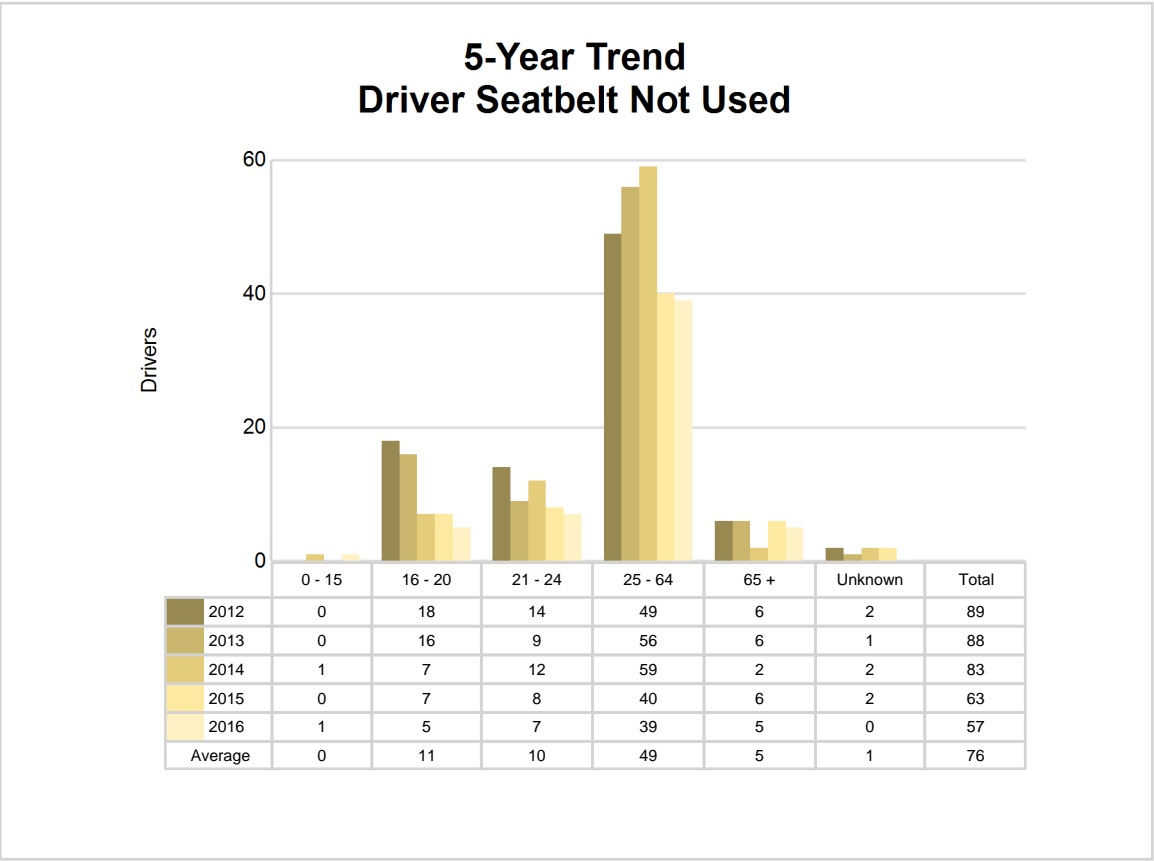
5-Year Trend - Seatbelt Used Among Drivers by Age

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	7	0	0	16	0	2	10	0	1	5	0	0	4	0	0
16 - 20	829	0	88	806	1	74	754	1	77	812	1	100	801	0	94
21 - 24	529	2	58	569	0	61	608	1	86	537	0	53	550	0	61
25 - 64	3,392	4	370	3,525	3	358	3,778	2	391	3,617	0	363	3,524	5	355
65 +	495	2	58	557	3	64	579	3	81	562	0	67	599	1	87
Unknown	1	0	0	4	0	0	7	0	0	5	0	0	3	0	0
Total	**5,253**	**8**	**574**	**5,477**	**7**	**559**	**5,736**	**7**	**636**	**5,538**	**1**	**583**	**5,481**	**6**	**597**

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
2012	7	829	529	3,392	495	1	5,253
2013	16	806	569	3,525	557	4	5,477
2014	10	754	608	3,778	579	7	5,736
2015	5	812	537	3,617	562	5	5,538
2016	4	801	550	3,524	599	3	5,481
Average	8	800	559	3,567	558	4	5,497

Monroe County (continued)
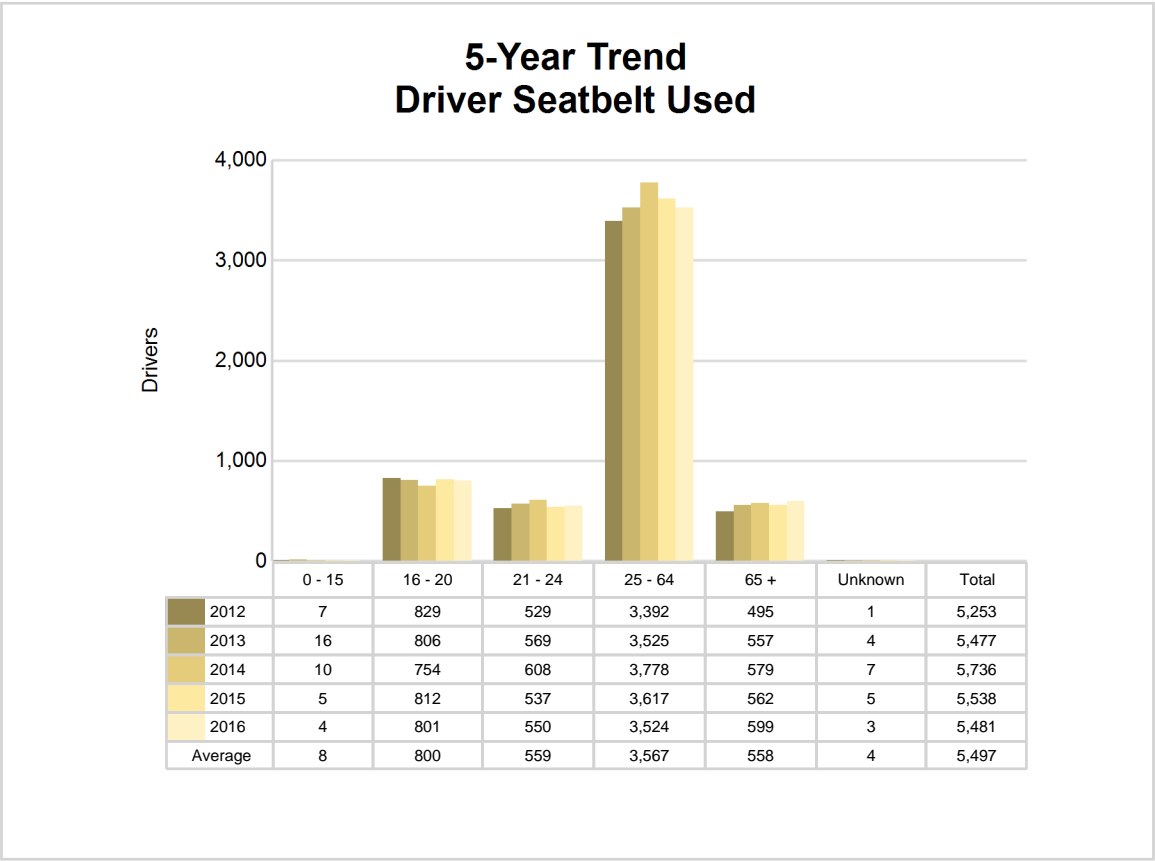
5-Year Trend - Drivers in Crashes by Hazardous Action

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	2,870	19	3,015	21	3,118	14	3,135	11	3,071	16
Speed too fast	530	7	569	3	707	2	480	1	420	1
Speed too slow	2	0	4	0	3	0	4	0	0	0
Failed to yield	468	3	510	6	462	6	456	1	533	0
Disregard traffic control	86	1	86	2	104	0	101	1	96	2
Drove wrong way	6	0	3	0	4	0	1	0	3	0
Drove left of center	46	2	38	4	44	2	48	0	35	2
Improper passing	35	1	24	0	36	0	32	0	39	2
Improper lane use	119	0	121	0	135	0	151	0	148	0
Improper turn	40	0	41	0	51	0	55	0	51	0
Improper/no signal	13	0	13	0	13	0	10	0	10	0
Improper backing	112	0	118	0	113	0	90	0	100	0
Unable to stop in assured clear distance	683	4	684	1	690	1	731	1	730	1
Other	223	2	287	5	244	2	220	1	214	1
Unknown	169	4	182	2	130	2	143	3	181	1
Reckless driving	77	0	56	1	50	2	45	1	49	1
Careless/negligent driving	565	5	542	0	644	6	603	3	541	2
Uncoded & errors	5	0	1	0	2	0	3	0	6	0
Total	**6,049**	**48**	**6,294**	**45**	**6,550**	**37**	**6,308**	**23**	**6,227**	**29**
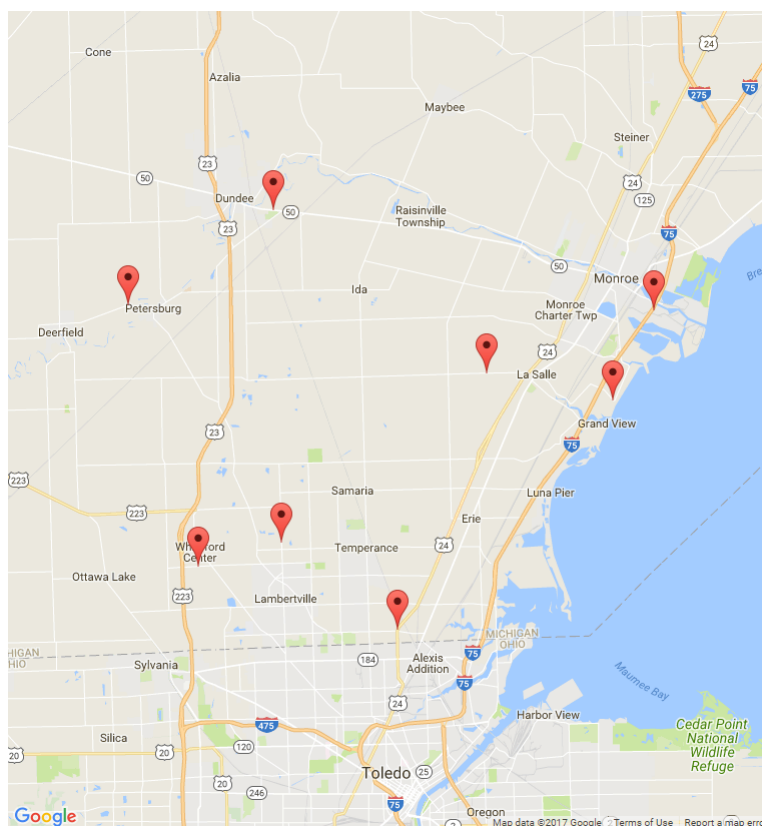
The picture above represents all 2016 alcohol-involved fatal crashes in Monroe County.

In 2016, there were 183 alcohol-involved crashes in Monroe County:

8   K - Fatal Crashes

15   A - Suspected Serious Injury Crashes

27   B - Suspected Minor Injury Crashes

40   C - Possible Injury Crashes

93   O - Property Damage Only/No Injury Crashes

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