



2016

MTCF
Michigan Traffic
Crash Facts

Michigan Traffic Crash Facts

Reporting Criteria

Please pay particular attention to the wording when interpreting the three levels of data gathered for this report.

Crash

The Crash Level analyzes data related to crash events and returns one result per crash.

Examples: Time, weather, and location.

Units

The Units Level analyzes the experience of the units in the crash and returns one result per vehicle, driver, pedestrian, bicyclist, or train.

Examples: Vehicle type, driver condition, and unit events.

People

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

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

KABCO Injury Indicator:

K = Killed

A = Suspected Serious Injury

B = Suspected Minor Injury

C = Possible Injury

O = No Injury

Property Damage Only (PDO)



Governor's Prosperity Region - East Michigan Prosperity Region

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

Prosperity Region - 6 is comprised of Genesee, Huron, Lapeer, St. Clair, Sanilac, Shiawassee, and Tuscola counties. Trend tables for this report are based on those counties.

6. East Michigan Prosperity Region



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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East Michigan Prosperity Region Experience

The 2016* comprehensive cost of traffic crashes was **\$3,765,000,000.** ** Fatalities cost **\$1,195,000,000**, injuries cost **\$1,645,000,000**, and 'Property Damage Only' crashes cost **\$925,000,000**.

In 2016:

There were 36,851 drivers involved in 24,058 motor vehicle crashes in East Michigan Prosperity Region. Of those crashes, 108 were classified as fatal, resulting in 116 fatalities. An additional 6,307 persons were injured.

East Michigan Prosperity Region experienced the highest number of motor vehicle crashes (2,715) in November, the highest number of fatal crashes (16) and the highest number of persons killed (18) in October.

Michigan driver statistics indicate 6.6 percent of licensed drivers in East Michigan Prosperity Region were age 16-20, and 11.9 percent of drivers in crashes were also in that age group.

* 2016 National Safety Council data for average costs of motor vehicle crashes were used for this report.

** Cost estimates derived from the National Safety Council are approximations and have been rounded to the nearest \$5,000,000. With rounding, the total cost may not equal the sum of all crash types.

2016 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	2,320	9	363	1,948	10	494
February	2,181	5	382	1,794	5	508
March	1,711	6	311	1,394	7	443
April	1,731	4	329	1,398	4	467
May	1,629	7	346	1,276	7	490
June	1,710	9	391	1,310	10	536
July	1,665	11	393	1,261	13	561
August	1,689	9	434	1,246	9	633
September	1,861	14	385	1,462	14	555
October	2,329	16	424	1,889	18	585
November	2,715	7	384	2,324	8	506
December	2,517	11	394	2,112	11	529
Total	24,058	108	4,536	19,414	116	6,307

2016 - Driver Statistics

Age Group	East Michigan Prosperity Region			Driver Rates	
	2016 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	163,970	4,473	78	4.8	174.4
16 - 20	53,197	41,669	4,369	821.3	1,048.5
21 - 24	42,216	39,646	3,472	822.4	875.8
25 - 64	442,969	412,035	22,366	504.9	542.8
65 +	148,972	135,199	4,102	275.4	303.4
Unknown	0	0	2,464	- -	- -
Total	851,324	633,022	36,851	432.9	582.1

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	27,849	75.6	93	57.1	6,034	21,722
Motor home	603	1.6	3	1.8	124	476
Pickup truck	6,329	17.2	34	20.9	1,192	5,103
Small truck under 10,000 lbs. GVWR	299	0.8	1	0.6	58	240
Motorcycle	310	0.8	12	7.4	237	61
Moped / goped	28	0.1	1	0.6	25	2
Go-cart / golf cart	2	0.0	0	0.0	2	0
Snowmobile	1	0.0	0	0.0	1	0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	38	0.1	3	1.8	31	4
Other	202	0.5	2	1.2	30	170
Truck/bus over 10,000 lbs.	754	2.0	13	8.0	170	571
Unknown	436	1.2	1	0.6	35	400
Total	36,851	100.0	163	100.0	7,939	28,749

East Michigan Prosperity Region (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	2,282	7	2,241	6	2,910	5	2,598	4	2,320	9
February	2,012	4	1,968	6	2,045	4	1,931	1	2,181	5
March	1,509	7	1,686	2	1,986	3	1,603	6	1,711	6
April	1,472	6	1,463	5	1,447	3	1,499	4	1,731	4
May	1,743	6	1,698	6	1,613	8	1,746	5	1,629	7
June	1,688	8	1,693	3	1,682	10	1,815	6	1,710	9
July	1,598	8	1,573	7	1,475	14	1,629	11	1,665	11
August	1,493	13	1,455	7	1,478	10	1,490	7	1,689	9
September	1,645	12	1,663	6	1,563	6	1,706	9	1,861	14
October	2,207	7	2,293	9	2,353	6	2,370	12	2,329	16
November	2,464	3	2,687	7	2,814	5	2,848	7	2,715	7
December	2,418	7	2,615	4	1,930	7	2,195	5	2,517	11
Total	22,531	88	23,035	68	23,296	81	23,430	77	24,058	108

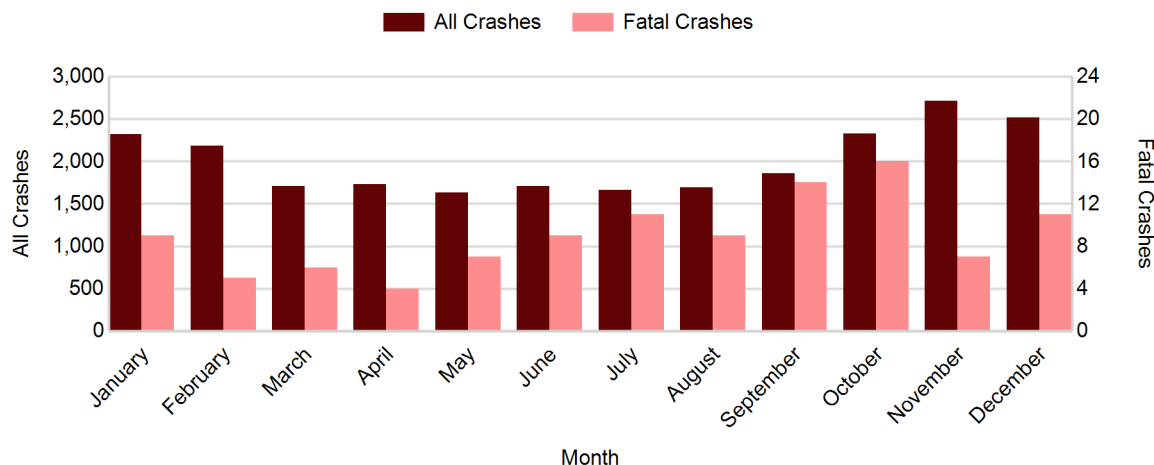
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

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	3,137	10	3,204	10	3,133	6	3,299	8	3,377	14
Tuesday	3,111	6	3,380	7	3,438	11	3,563	9	3,594	7
Wednesday	2,987	5	3,443	8	3,644	8	3,528	9	3,772	15
Thursday	3,166	9	3,541	9	4,010	13	3,513	10	3,583	14
Friday	4,317	22	3,748	9	3,753	10	3,667	12	3,906	18
Saturday	3,109	14	3,171	19	2,880	18	3,343	17	3,137	22
Sunday	2,704	22	2,548	6	2,438	15	2,517	12	2,689	18
Total	22,531	88	23,035	68	23,296	81	23,430	77	24,058	108

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

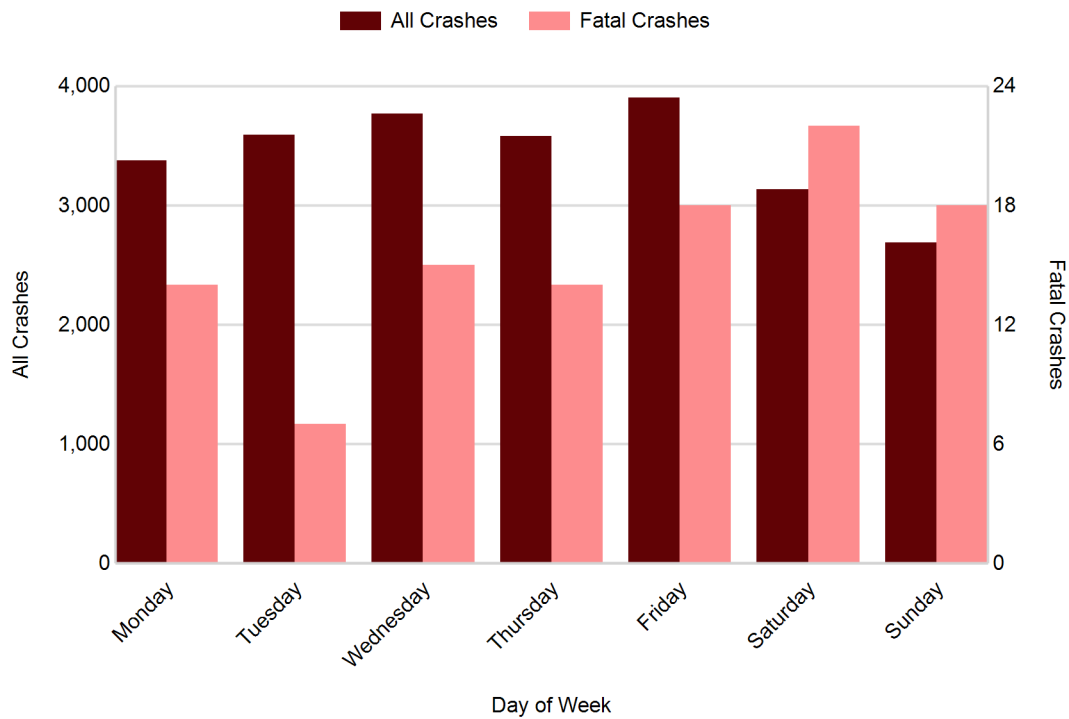
2016 Crashes by Month



2016 - Crashes by Day of Week

Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Monday	3,377	14.0	14	13.0	49	189	393	2,732
Tuesday	3,594	14.9	7	6.5	48	179	383	2,977
Wednesday	3,772	15.7	15	13.9	53	164	494	3,046
Thursday	3,583	14.9	14	13.0	56	208	440	2,865
Friday	3,906	16.2	18	16.7	58	200	497	3,133
Saturday	3,137	13.0	22	20.4	60	173	390	2,492
Sunday	2,689	11.2	18	16.7	47	151	304	2,169
Total	24,058	100.0	108	100.0	371	1,264	2,901	19,414

2016 Day of Week and Severity

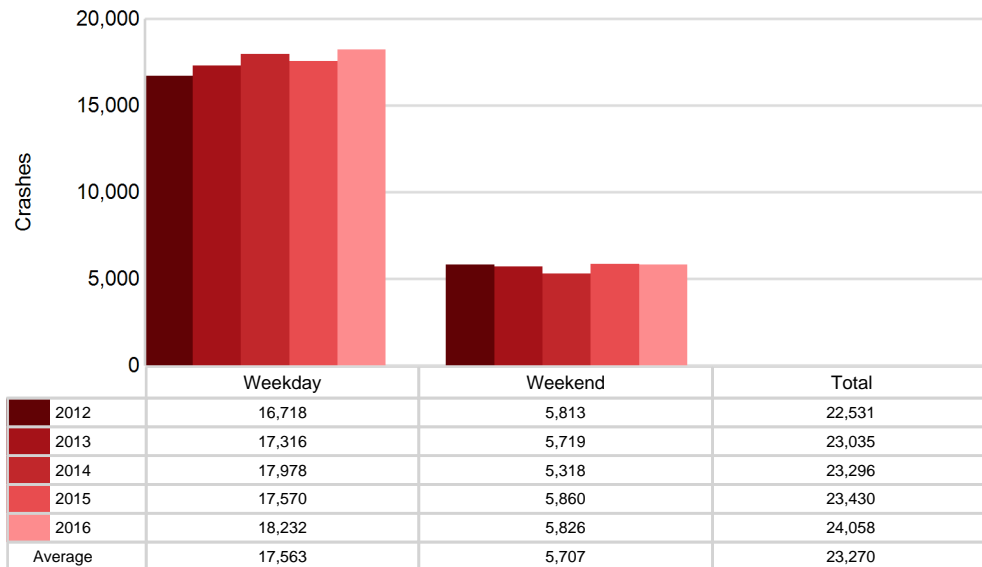


East Michigan Prosperity Region (continued)

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	16,718	52	17,316	43	17,978	48	17,570	48	18,232	68
Weekend	5,813	36	5,719	25	5,318	33	5,860	29	5,826	40
Total	22,531	88	23,035	68	23,296	81	23,430	77	24,058	108

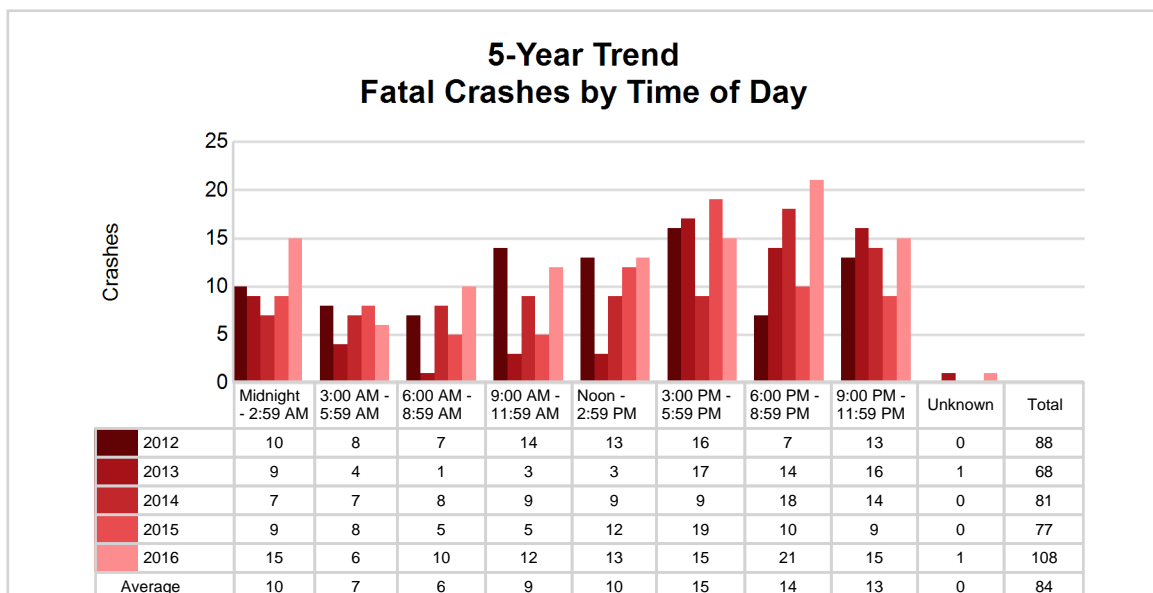
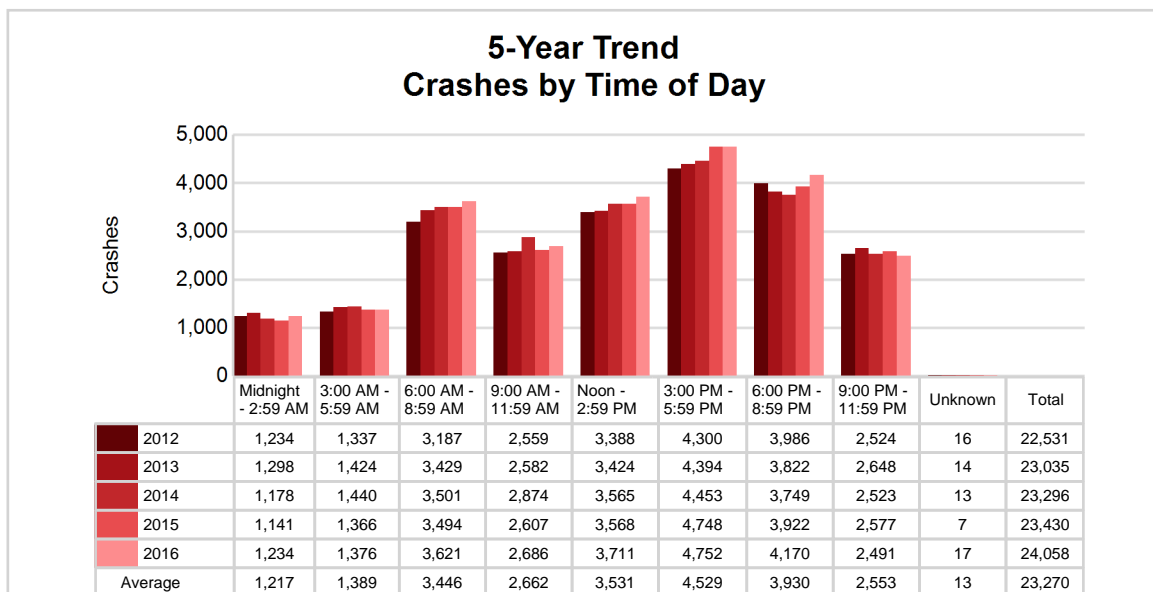
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

Time of Day	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	1,234	10	1,298	9	1,178	7	1,141	9	1,234	15
3:00 AM - 5:59 AM	1,337	8	1,424	4	1,440	7	1,366	8	1,376	6
6:00 AM - 8:59 AM	3,187	7	3,429	1	3,501	8	3,494	5	3,621	10
9:00 AM - 11:59 AM	2,559	14	2,582	3	2,874	9	2,607	5	2,686	12
Noon - 2:59 PM	3,388	13	3,424	3	3,565	9	3,568	12	3,711	13
3:00 PM - 5:59 PM	4,300 †	16	4,394 †	17	4,453 †	9	4,748 †	19	4,752 †	15
6:00 PM - 8:59 PM	3,986	7	3,822	14	3,749	18	3,922	10	4,170	21
9:00 PM - 11:59 PM	2,524	13	2,648	16	2,523	14	2,577	9	2,491	15
Unknown	16	0	14	1	13	0	7	0	17	1
Total	22,531	88	23,035	68	23,296	81	23,430	77	24,058	108

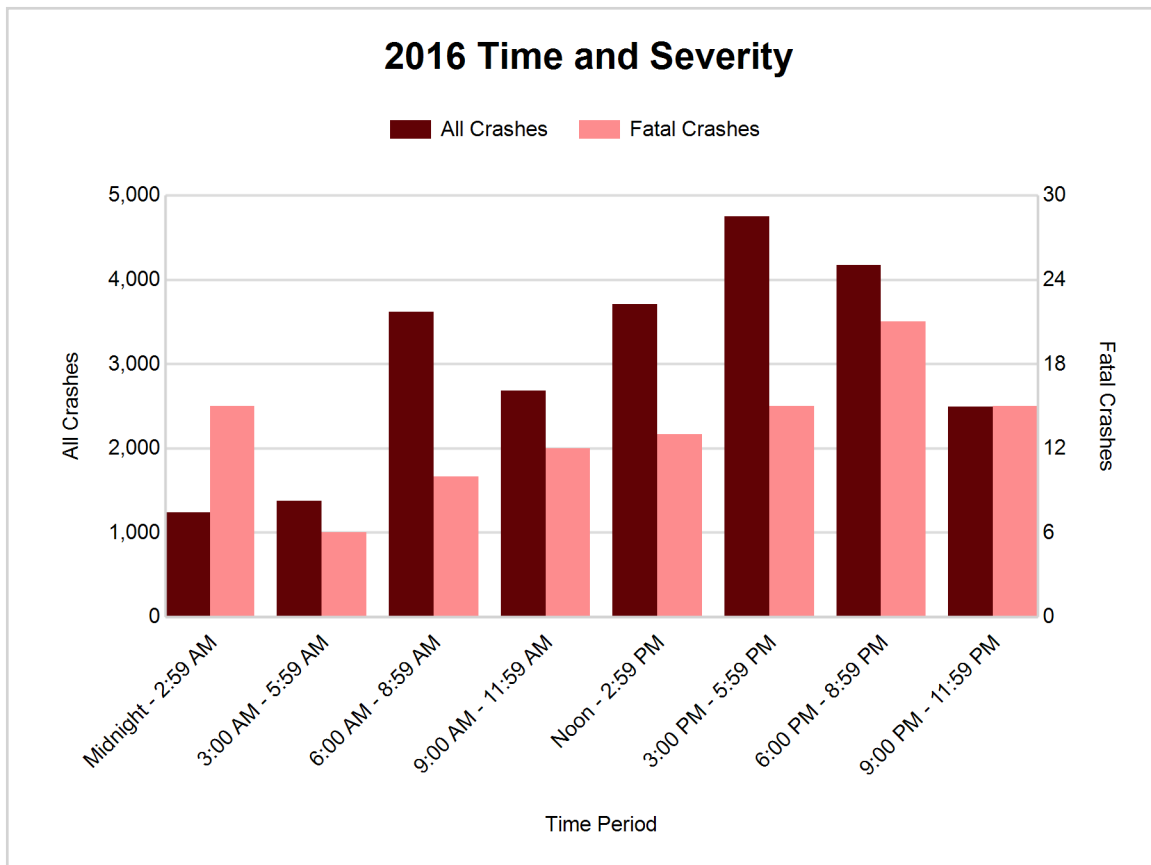
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period



East Michigan Prosperity Region (continued)

2016 - Time and Severity

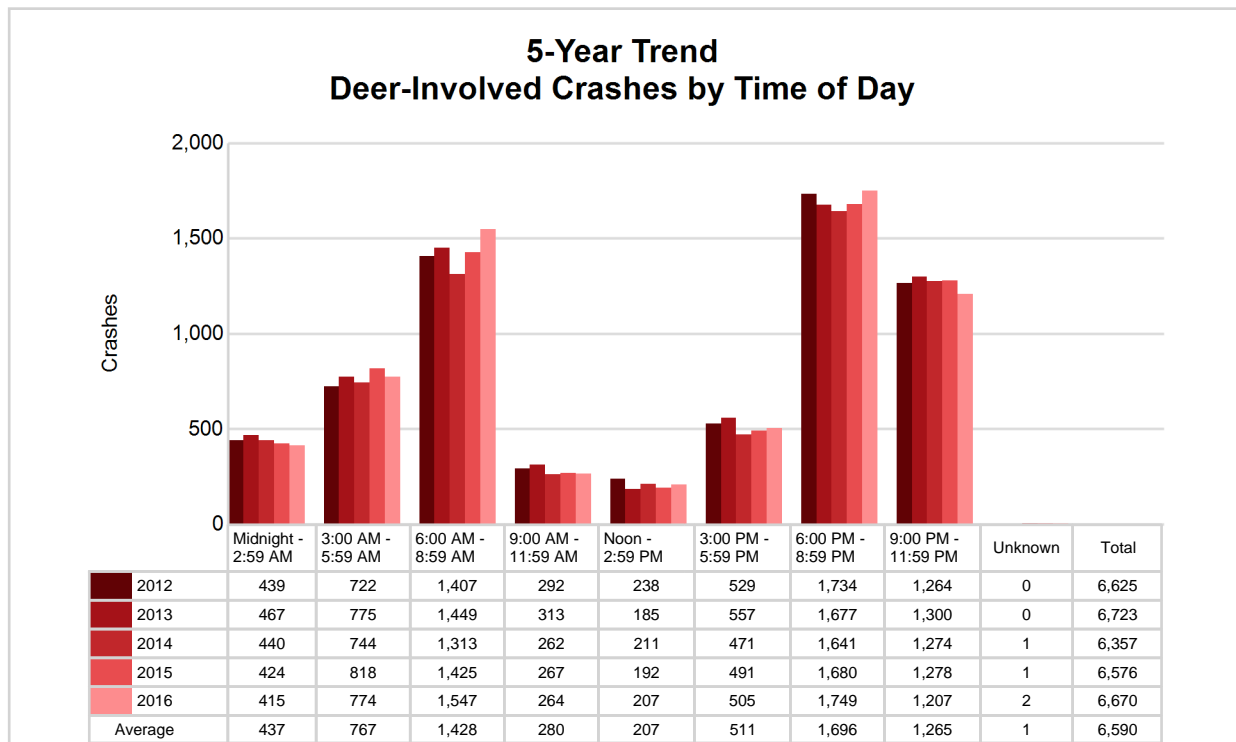
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	1,234	5.1	15	13.9	32	73	129	985
3:00 AM - 5:59 AM	1,376	5.7	6	5.6	17	62	101	1,190
6:00 AM - 8:59 AM	3,621	15.1	10	9.3	34	137	308	3,132
9:00 AM - 11:59 AM	2,686	11.2	12	11.1	45	156	430	2,043
Noon - 2:59 PM	3,711	15.4	13	12.0	63	240	572	2,823
3:00 PM - 5:59 PM	4,752	19.8	15	13.9	84	290	718	3,645
6:00 PM - 8:59 PM	4,170	17.3	21	19.4	63	177	426	3,483
9:00 PM - 11:59 PM	2,491	10.4	15	13.9	33	126	217	2,100
Unknown	17	0.1	1	0.9	0	3	0	13
Total	24,058	100.0	108	100.0	371	1,264	2,901	19,414



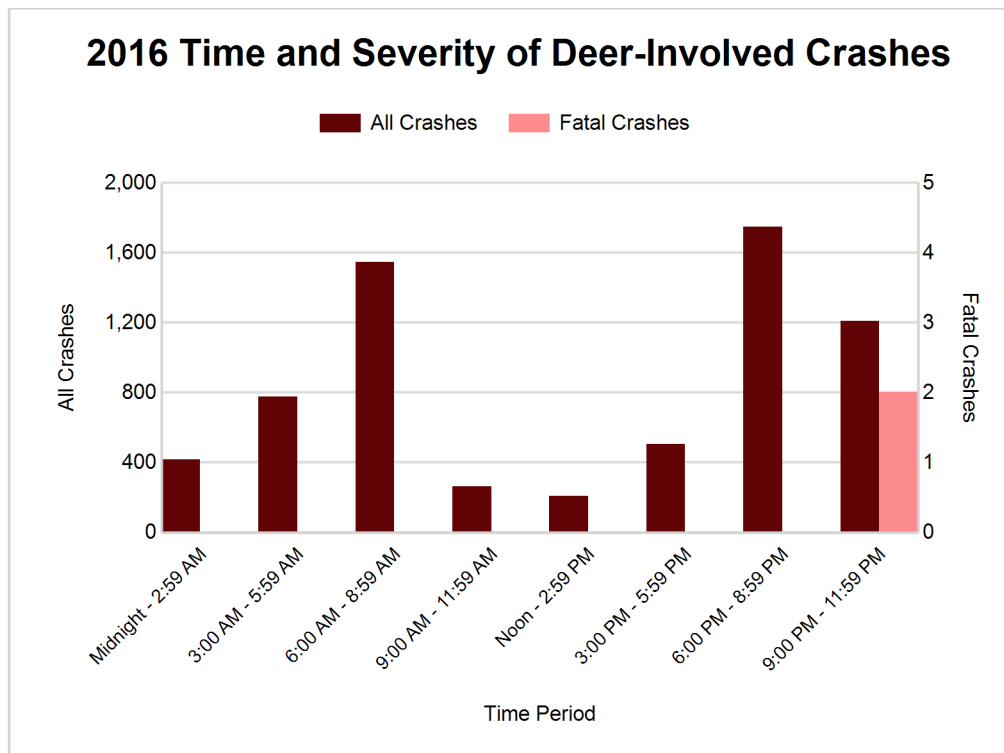
5-Year Trend - Deer-Involved Crashes by Time of Day

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	439	1	467	0	440	0	424	0	415	0
3:00 AM - 5:59 AM	722	0	775	0	744	0	818	0	774	0
6:00 AM - 8:59 AM	1,407	0	1,449	0	1,313	0	1,425	0	1,547	0
9:00 AM - 11:59 AM	292	0	313	0	262	0	267	0	264	0
Noon - 2:59 PM	238	0	185	0	211	0	192	0	207	0
3:00 PM - 5:59 PM	529	1	557	0	471	0	491	0	505	0
6:00 PM - 8:59 PM	1,734 †	0	1,677 †	0	1,641 †	0	1,680 †	0	1,749 †	0
9:00 PM - 11:59 PM	1,264	1	1,300	1	1,274	0	1,278	0	1,207	2
Unknown	0	0	0	0	1	0	1	0	2	0
Total	6,625	3	6,723	1	6,357	0	6,576	0	6,670	2

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



East Michigan Prosperity Region (continued)



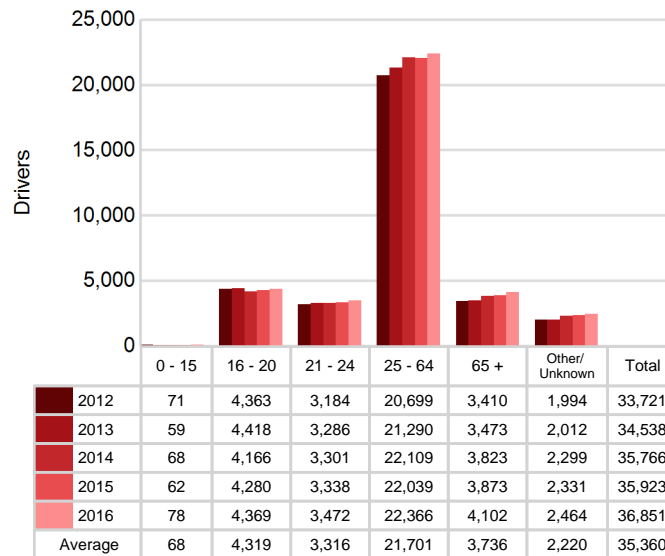
2016 - Reported Motor Vehicle Crashes by County

County	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Genesee	10,521	49	2,424	8,048	1,805	382	1,480	6,808	304	112	1,000	50	3,361
Huron	1,508	5	167	1,336	0	0	633	873	37	8	935	7	225
Lapeer	3,018	10	435	2,573	206	0	903	1,906	103	23	1,308	11	608
St. Clair	3,886	20	811	3,055	811	0	700	2,369	166	53	749	22	1,137
Sanilac	1,583	5	125	1,453	0	0	720	848	26	9	1,119	6	179
Shiawassee	1,827	13	295	1,519	224	0	532	1,069	71	19	753	14	411
Tuscola	1,715	6	279	1,430	0	0	638	1,075	63	18	806	6	386
Total	24,058	108	4,536	19,414	3,046	382	5,606	14,948	770	242	6,670	116	6,307

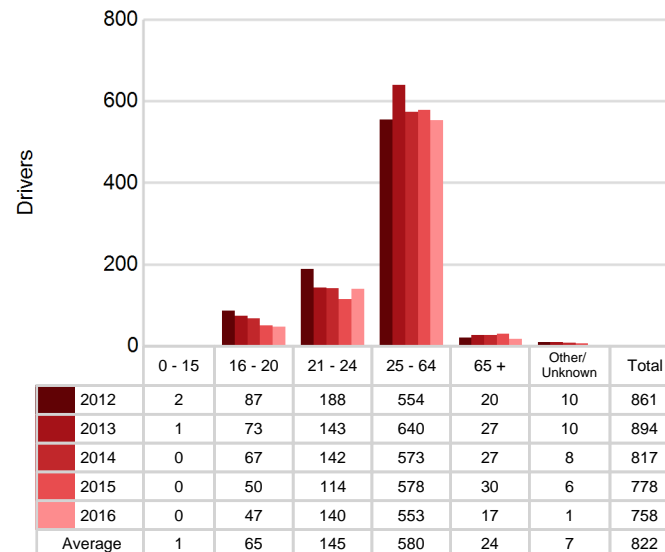
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	71	2	59	1	68	0	62	0	78	0
16 - 20	4,363	87	4,418	73	4,166	67	4,280	50	4,369	47
21 - 24	3,184	188	3,286	143	3,301	142	3,338	114	3,472	140
25 - 64	20,699	554	21,290	640	22,109	573	22,039	578	22,366	553
65 +	3,410	20	3,473	27	3,823	27	3,873	30	4,102	17
Unknown	1,994	10	2,012	10	2,299	8	2,331	6	2,464	1
Total	33,721	861	34,538	894	35,766	817	35,923	778	36,851	758

**5-Year Trend
Total Drivers in Crashes by Age**



**5-Year Trend
Total Drivers Coded Drinking by Age**



East Michigan Prosperity Region (continued)

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	70	71	39	47	1	9	15	7	15
21 - 24	166	130	102	140	4	9	34	34	59
25 - 64	703	547	427	553	10	32	113	133	265
65 +	47	31	11	17	0	1	3	2	11
Unknown	47	1	0	1	0	0	0	0	1
Total	1,033	780	579	758	15	51	165	176	351

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 1,033 drivers in alcohol-involved crashes; 758 (73.4%) of those drivers were coded as had-been-drinking by the officer on the crash form.

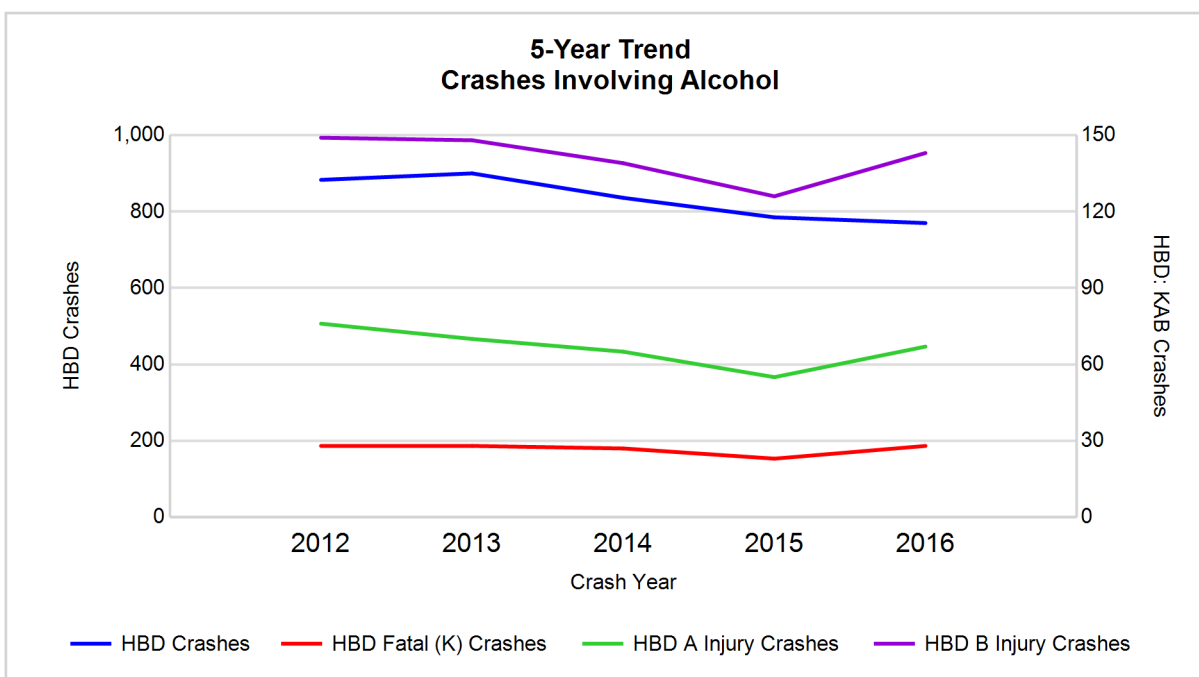
- 341 (45.0%) of the 758 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 176 (51.6%) of the 341 drivers had a BAC at or above 0.17 g/dL.
- 579 (76.4%) of the 758 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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	22,531	883	3.9	88	28	31.8	364	76	20.9	1,042	149	14.3
2013	23,035	900	3.9	68	28	41.2	337	70	20.8	1,032	148	14.3
2014	23,296	836	3.6	81	27	33.3	303	65	21.5	956	139	14.5
2015	23,430	785	3.4	77	23	29.9	292	55	18.8	1,044	126	12.1
2016	24,058**	770*	3.2*	108**	28	25.9*	371**	67	18.1*	1,264**	143	11.3*

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

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



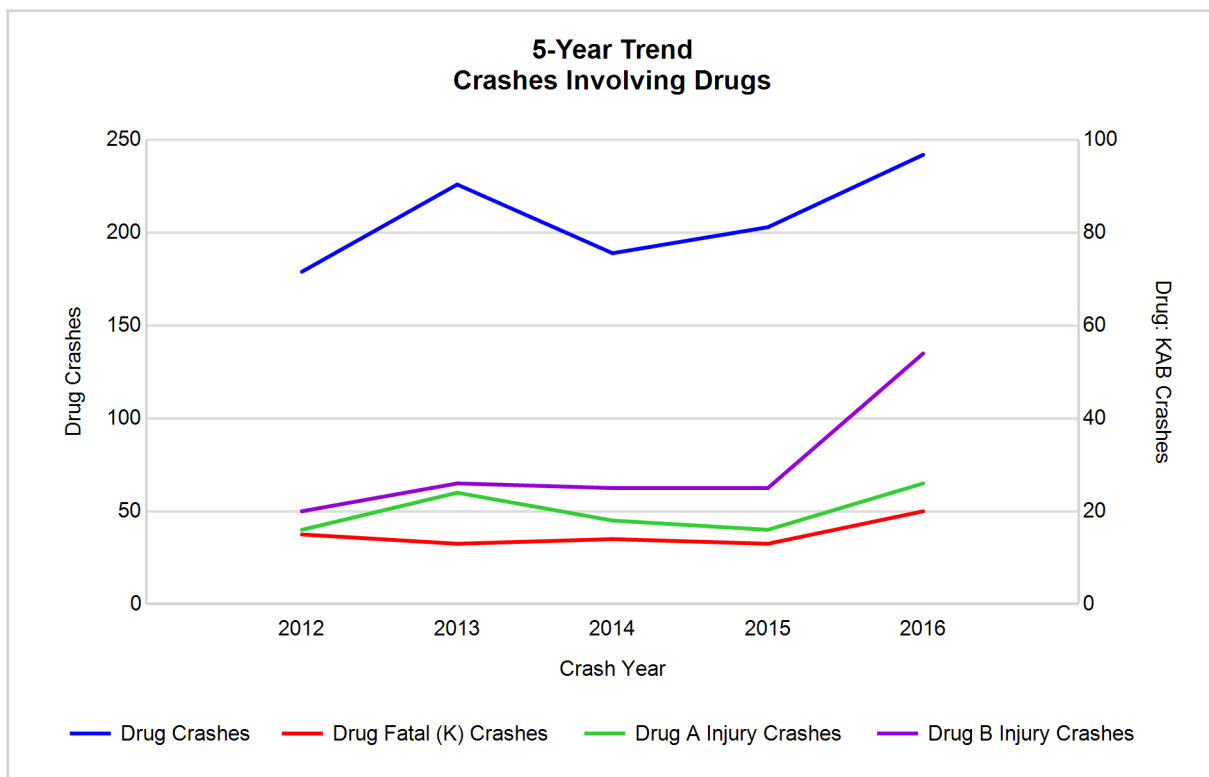
Note: Had-Been-Drinking (HBD)

5-Year Trend - Crashes Involving Drugs

Year	All Crashes	Drug Crashes	% Drug	Fatal Crashes	Drug Fatal Crashes	% Drug	A Injury Crashes	Drug A Injury Crashes	% Drug	B Injury Crashes	Drug B Injury Crashes	% Drug
2012	22,531	179	0.8	88	15	17.0	364	16	4.4	1,042	20	1.9
2013	23,035	226	1.0	68	13	19.1	337	24	7.1	1,032	26	2.5
2014	23,296	189	0.8	81	14	17.3	303	18	5.9	956	25	2.6
2015	23,430	203	0.9	77	13	16.9	292	16	5.5	1,044	25	2.4
2016	24,058**	242**	1.0	108**	20**	18.5	371**	26**	7.0	1,264**	54**	4.3**

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



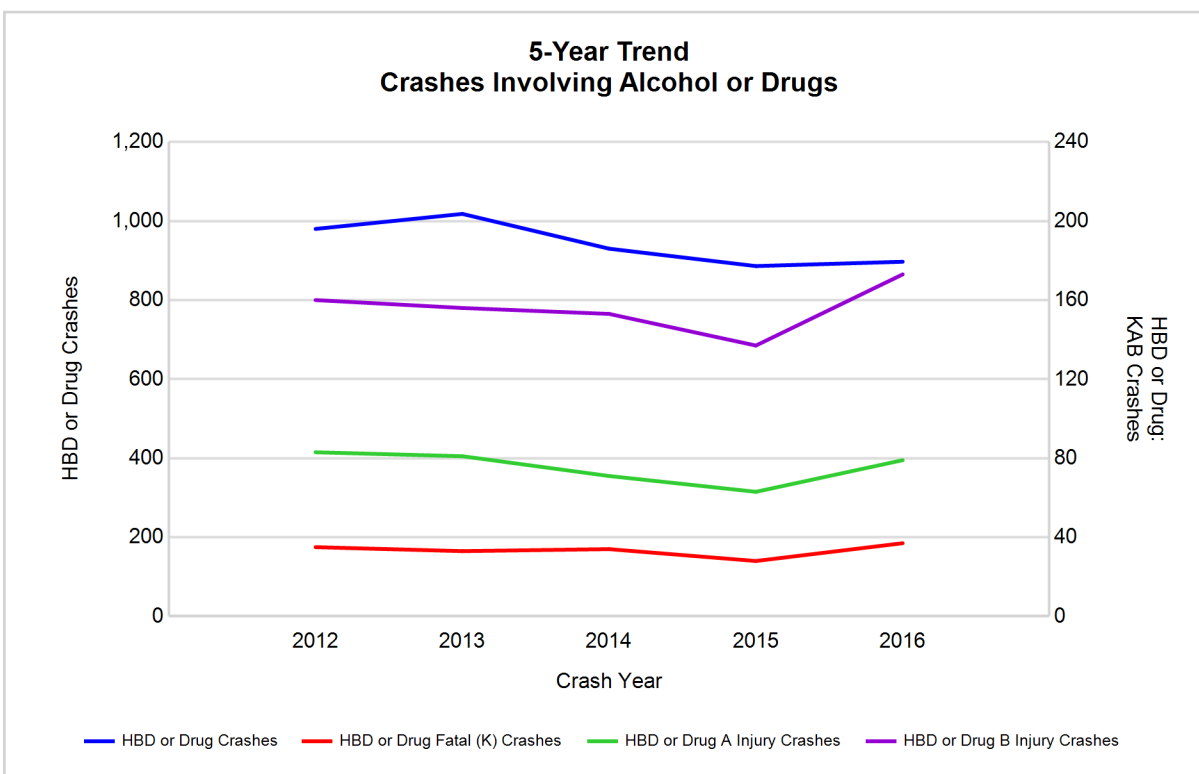
East Michigan Prosperity Region (continued)

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	22,531	980	4.3	88	35	39.8	364	83	22.8	1,042	160	15.4
2013	23,035	1,018	4.4	68	33	48.5	337	81	24.0	1,032	156	15.1
2014	23,296	930	4.0	81	34	42.0	303	71	23.4	956	153	16.0
2015	23,430	886	3.8	77	28	36.4	292	63	21.6	1,044	137	13.1
2016	24,058**	897	3.7*	108**	37**	34.3*	371**	79	21.3*	1,264**	173**	13.7

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)

East Michigan Prosperity Region (continued)

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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	29,097	26,555	91.3	53	28	52.8	295	225	76.3	1,139	1,009	88.6	3,385	3,201	94.6	22,693	22,074	97.3
Motor home	634	575	90.7	3	2	66.7	5	5	100.0	26	22	84.6	63	60	95.2	497	486	97.8
Pickup truck	6,514	5,925	91.0	20	7	35.0	53	37	69.8	237	194	81.9	498	463	93.0	5,372	5,221	97.2
Small truck under 10,000 lbs. GVWR	304	281	92.4	1	1	100.0	0	0	0.0	8	7	87.5	25	24	96.0	253	249	98.4
Motorcycle	344	222	64.5	11	4	36.4	66	39	59.1	112	75	67.0	82	59	72.0	66	45	68.2
Moped / goped	29	7	24.1	1	0	0.0	4	1	25.0	14	4	28.6	7	2	28.6	2	0	0.0
Go-cart / golf cart	3	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0	0	0	0.0	1	0	0.0
Snowmobile	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	0	0	0.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	51	15	29.4	3	0	0.0	12	2	16.7	18	9	50.0	10	1	10.0	8	3	37.5
Other	204	130	63.7	1	0	0.0	1	1	100.0	4	2	50.0	10	6	60.0	156	121	77.6
Truck/bus over 10,000 lbs.	775	711	91.7	1	1	100.0	3	1	33.3	10	10	100.0	45	31	68.9	684	667	97.5
Unknown	436	12	2.8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	15	11	73.3
Total	38,393	34,435	89.7	94	43	45.7	439	311	70.8	1,570	1,332	84.8	4,127	3,849	93.3	29,747	28,877	97.1

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	470	403	85.7	3	1	33.3	21	12	57.1	92	79	85.9	290	256	88.3	61	54	88.5
16 - 20	4,624	4,415	95.5	9	2	22.2	57	40	70.2	252	203	80.6	536	500	93.3	3,764	3,667	97.4
21 - 24	3,601	3,410	94.7	9	3	33.3	48	30	62.5	191	155	81.2	378	348	92.1	2,968	2,873	96.8
25 - 64	22,964	22,037	96.0	50	25	50.0	251	175	69.7	822	698	84.9	2,424	2,265	93.4	19,371	18,868	97.4
65 +	4,266	4,147	97.2	23	12	52.2	61	54	88.5	211	196	92.9	495	478	96.6	3,464	3,406	98.3
Unknown	2,468	23	0.9	0	0	0.0	1	0	0.0	2	1	50.0	4	2	50.0	119	9	7.6
Total	38,393	34,435	89.7	94	43	45.7	439	311	70.8	1,570	1,332	84.8	4,127	3,849	93.3	29,747	28,877	97.1

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.

East Michigan Prosperity Region (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	299	0	53	251	0	40	265	2	41	209	1	36	90	1	12
Shoulder belt only used	80	0	31	122	1	9	73	0	6	43	0	3	96	0	13
Lap belt only used	91	0	9	128	0	20	125	0	16	147	0	14	106	1	9
Both lap & shoulder belts used	29,879	25	3,502	30,841	14	3,647	31,805	26	3,505	31,937	21	3,590	32,717	31	4,029
No belts used	353	18	146	279	12	127	293	18	121	326	11	153	297	20	144
Child restraint used	1	0	0	1	0	0	0	0	0	2	0	0	7	0	0
Child restraint not used, unavailable or improper use	3	0	1	0	0	0	1	0	0	1	0	0	0	0	0
Restraint failure	12	0	1	11	0	4	15	0	3	12	0	0	8	0	1
Restraint use unknown	1,117	7	161	1,075	7	144	1,213	5	109	1,397	3	119	2,567	7	128
Helmet worn	245	7	181	183	3	118	179	6	122	209	6	150	222	2	170
Helmet not worn	110	4	95	107	7	84	119	6	84	112	8	82	127	9	94
Helmet use unknown	25	1	18	19	0	8	22	2	11	37	1	15	30	1	16
Uncoded & errors	1,506	0	7	1,521	0	6	1,656	0	2	1,491	0	4	584	0	0
Total	33,721	62	4,205	34,538	44	4,207	35,766	65	4,020	35,923	51	4,166	36,851	72	4,616

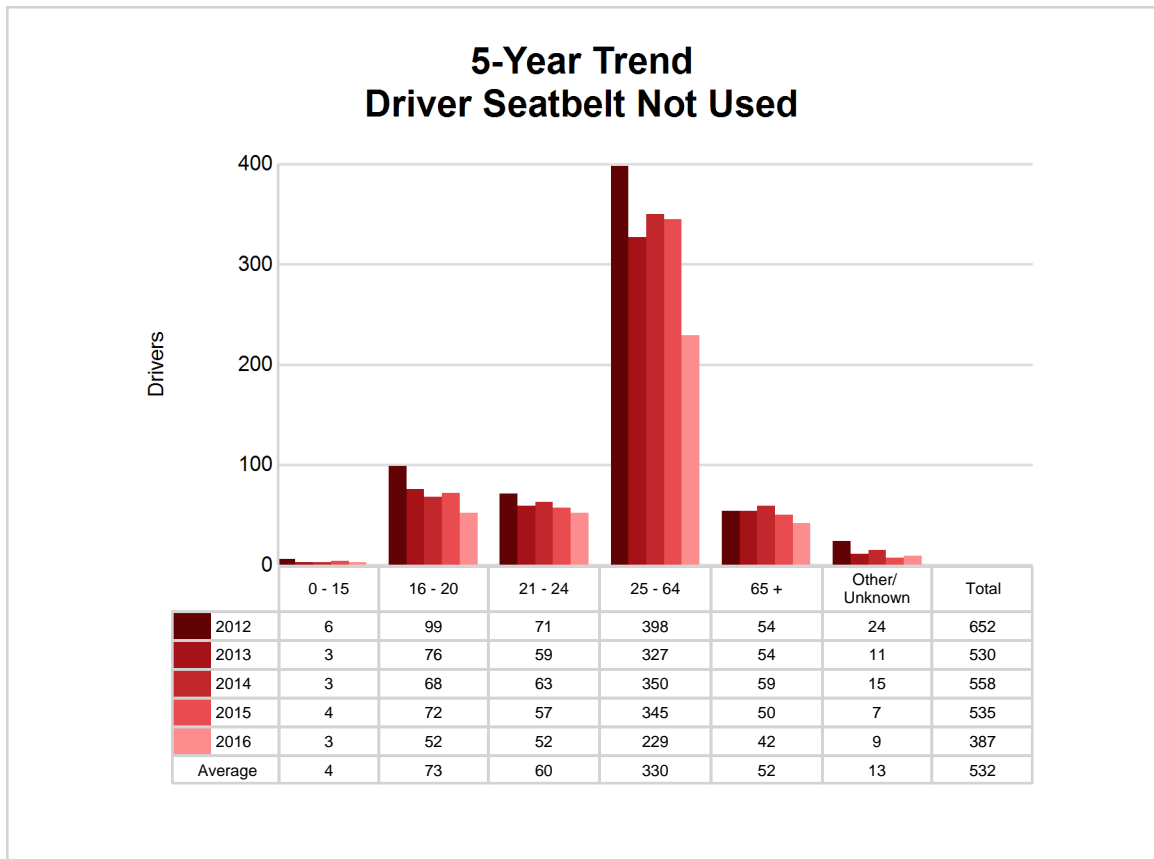
5-Year Trend - Restraint Use Among Drivers Coded Drinking

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	8	0	5	9	0	4	7	0	3	6	0	6	0	0	0
Shoulder belt only used	1	0	1	9	0	1	0	0	0	2	0	0	1	0	0
Lap belt only used	3	0	2	1	0	0	3	0	2	6	0	3	3	0	0
Both lap & shoulder belts used	601	4	172	645	1	205	567	3	185	534	4	149	530	4	178
No belts used	82	7	49	64	8	39	71	9	39	71	6	47	69	6	45
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	1	0	0	2	0	1
Restraint use unknown	121	1	42	142	3	39	135	2	36	115	0	37	124	3	35
Helmet worn	12	2	8	9	1	8	6	1	3	11	2	7	9	0	8
Helmet not worn	22	1	20	10	1	8	22	2	18	24	5	15	19	3	15
Helmet use unknown	4	0	4	2	0	2	0	0	0	3	0	3	1	1	0
Uncoded & errors	7	0	0	3	0	0	6	0	0	5	0	1	0	0	0
Total	861	15	303	894	14	306	817	17	286	778	17	268	758	17	282

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	6	0	2	3	0	0	3	0	1	4	0	2	3	0	1
16 - 20	99	4	36	76	0	30	68	3	22	72	1	31	52	2	24
21 - 24	71	2	31	59	1	14	63	0	24	57	0	21	52	2	26
25 - 64	398	8	120	327	11	111	350	12	100	345	7	121	229	9	92
65 +	54	4	8	54	0	12	59	5	13	50	4	12	42	8	13
Unknown	24	0	2	11	0	0	15	0	2	7	0	2	9	0	0
Total	652	18	199	530	12	167	558	20	162	535	12	189	387	21	156

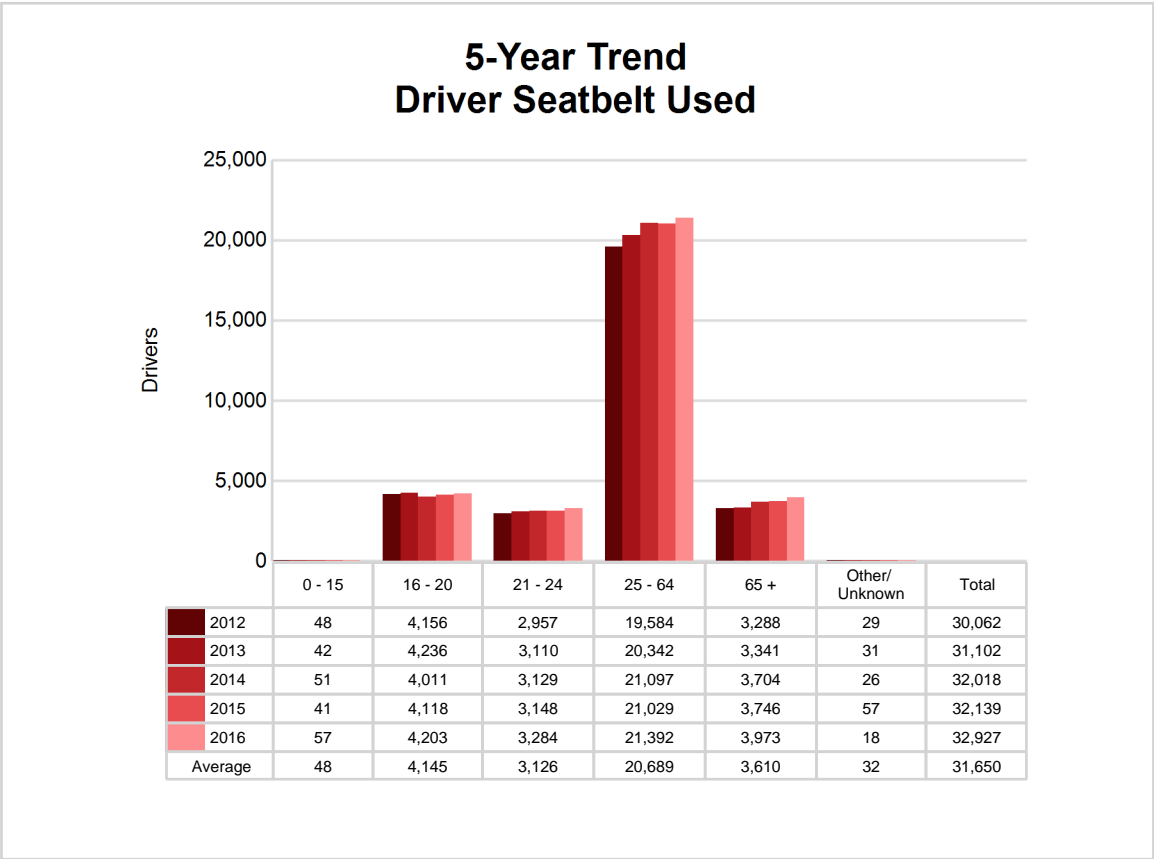
Note: Seatbelt Not Used includes no belts available or no belts used.



5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2012			2013			2014			2015			2016		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	48	0	9	42	0	8	51	1	5	41	0	4	57	0	3
16 - 20	4,156	1	503	4,236	3	561	4,011	1	475	4,118	2	511	4,203	2	536
21 - 24	2,957	4	389	3,110	0	380	3,129	3	363	3,148	1	365	3,284	2	417
25 - 64	19,584	10	2,251	20,342	10	2,287	21,097	14	2,240	21,029	13	2,271	21,392	20	2,534
65 +	3,288	10	391	3,341	2	442	3,704	7	447	3,746	5	456	3,973	8	562
Unknown	29	0	0	31	0	2	26	0	0	57	0	0	18	0	0
Total	30,062	25	3,543	31,102	15	3,680	32,018	26	3,530	32,139	21	3,607	32,927	32	4,052

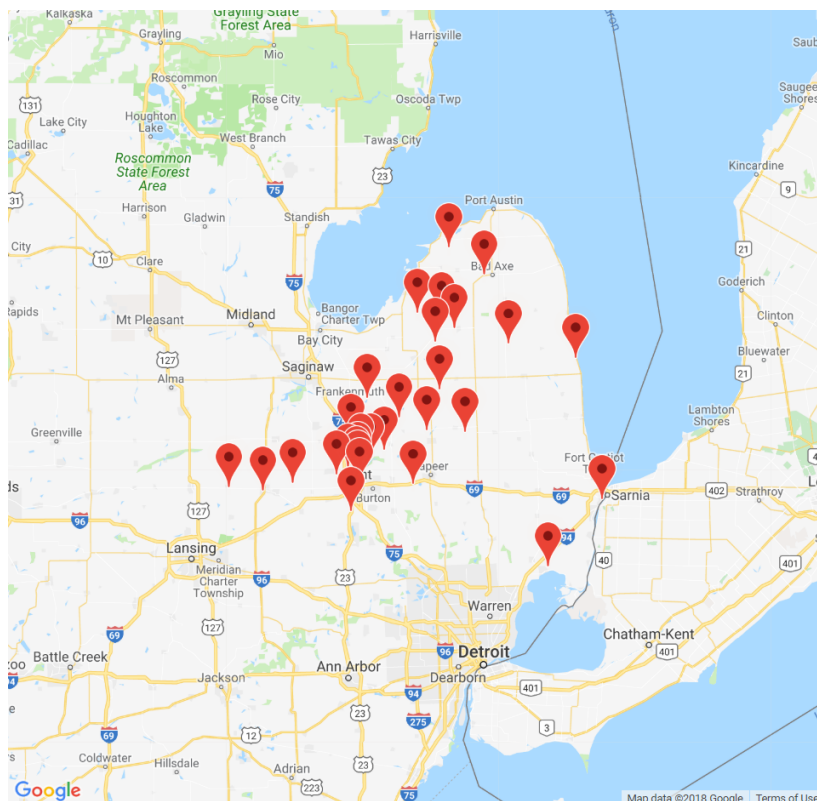
Note: Seatbelt Used includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, and restraint failure.



5-Year Trend - Drivers in Crashes by Hazardous Action

Hazardous Action	2012		2013		2014		2015		2016	
	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes
None	18,787	52	19,267	46	19,750	58	19,988	59	20,087	66
Speed too fast	2,560	17	2,779	10	2,969	18	2,544	15	2,573	18
Speed too slow	38	0	38	0	28	0	27	1	24	0
Failed to yield	2,902	8	2,949	9	2,931	11	3,115	14	3,184	13
Disregard traffic control	806	8	801	3	835	7	871	6	846	10
Drove wrong way	35	0	27	2	38	2	28	0	28	3
Drove left of center	212	5	215	5	211	6	218	5	281	9
Improper passing	160	1	166	0	189	0	172	0	183	0
Improper lane use	505	1	543	1	585	2	579	2	618	0
Improper turn	322	0	362	0	336	1	425	0	372	1
Improper/no signal	58	0	69	0	70	0	44	0	41	0
Improper backing	525	0	510	0	556	0	580	1	580	1
Unable to stop in assured clear distance	3,538	5	3,464	4	3,917	4	3,877	5	4,021	3
Other	1,241	10	1,288	3	1,312	11	1,177	7	1,249	11
Unknown	667	10	660	13	707	13	793	11	1,323	18
Reckless driving	229	6	300	5	246	8	221	3	181	2
Careless/negligent driving	1,000	9	1,004	4	989	2	1,100	3	949	7
Uncoded & errors	136	0	96	0	97	0	164	0	311	1
Total	33,721	132	34,538	105	35,766	143	35,923	132	36,851	163

East Michigan Prosperity Region (continued)



The picture above represents all 2016 alcohol-involved fatal crashes in East Michigan Prosperity Region.

In 2016, there were 770 alcohol-involved crashes in East Michigan Prosperity Region:

- 28 K - Fatal Crashes
- 67 A - Suspected Serious Injury Crashes
- 143 B - Suspected Minor Injury Crashes
- 128 C - Possible Injury Crashes
- 404 O - Property Damage Only/No Injury Crashes

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