



2017

**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

### 2017 Traffic Crash Data & 2013-2017 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 2017\* comprehensive cost of traffic crashes was \$3,560,000,000.\*\* Fatalities cost \$980,000,000, injuries cost \$1,645,000,000, and 'Property Damage Only' crashes cost \$935,000,000.

In 2017:

There were 37,361 drivers involved in 24,237 motor vehicle crashes in East Michigan Prosperity Region. Of those crashes, 91 were classified as fatal, resulting in 95 fatalities. An additional 6,312 persons were injured.

East Michigan Prosperity Region experienced the highest number of motor vehicle crashes (3,156) in December, the highest number of fatal crashes (11) in June and July, and the highest number of persons killed (12) in July.

Michigan driver statistics indicate 6.6 percent of licensed drivers in East Michigan Prosperity Region were age 16-20, and 11.7 percent of drivers in crashes were also in that age group.

\* 2017 National Safety Council data for average costs of motor vehicle crashes are not yet available. This report uses the previous year's National Safety Council data.

\*\* 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.

## 2017 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	2,079	10	382	1,687	10	511
February	1,504	4	267	1,233	6	383
March	1,943	6	338	1,599	6	479
April	1,571	4	334	1,233	4	457
May	1,812	6	363	1,443	6	525
June	1,921	11	407	1,503	11	585
July	1,679	11	389	1,279	12	567
August	1,614	10	414	1,190	11	572
September	1,821	7	375	1,439	7	539
October	2,605	7	418	2,180	7	604
November	2,532	9	360	2,163	9	484
December	3,156	6	471	2,679	6	606
<b>Total</b>	<b>24,237</b>	<b>91</b>	<b>4,518</b>	<b>19,628</b>	<b>95</b>	<b>6,312</b>

## 2017 - Driver Statistics

Age Group	East Michigan Prosperity Region			Driver Rates	
	2017 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	161,520	4,380	51	3.2	116.4
16 - 20	52,450	41,542	4,385	836.0	1,055.6
21 - 24	41,792	38,808	3,520	842.3	907.0
25 - 64	440,002	409,354	22,749	517.0	555.7
65 +	152,904	138,446	4,227	276.4	305.3
Unknown	0	0	2,429	- -	- -
<b>Total</b>	<b>848,668</b>	<b>632,530</b>	<b>37,361</b>	<b>440.2</b>	<b>590.7</b>

## 2017 - 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	29,235	78.3	81	60.9	6,289	22,865
Motor home	53	0.1	0	0.0	10	43
Pickup truck	6,029	16.1	24	18.0	1,147	4,858
Small truck under 10,000 lbs. GVWR	236	0.6	3	2.3	43	190
Motorcycle	241	0.6	13	9.8	179	49
Moped / goped	25	0.1	1	0.8	20	4
Go-cart / golf cart	7	0.0	0	0.0	2	5
Snowmobile	3	0.0	0	0.0	2	1
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	43	0.1	2	1.5	37	4
Other	180	0.5	1	0.8	43	136
Truck/bus over 10,000 lbs.	827	2.2	7	5.3	191	629
Unknown	482	1.3	1	0.8	48	433
<b>Total</b>	<b>37,361</b>	<b>100.0</b>	<b>133</b>	<b>100.0</b>	<b>8,011</b>	<b>29,217</b>

# East Michigan Prosperity Region (continued)

## 5-Year Trend - Crashes by Month

Month	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	2,241	6	2,910	5	2,598	4	2,320	9	2,079	10
February	1,968	6	2,045	4	1,931	1	2,181	5	1,504	4
March	1,686	2	1,986	3	1,603	6	1,711	6	1,943	6
April	1,463	5	1,447	3	1,499	4	1,731	4	1,571	4
May	1,698	6	1,613	8	1,746	5	1,629	7	1,812	6
June	1,693	3	1,682	10	1,815	6	1,710	9	1,921	11
July	1,573	7	1,475	14	1,629	11	1,665	11	1,679	11
August	1,455	7	1,478	10	1,490	7	1,689	9	1,614	10
September	1,663	6	1,563	6	1,706	9	1,861	14	1,821	7
October	2,293	9	2,353	6	2,370	12	2,329	16	2,605	7
November	2,687	7	2,814	5	2,848	7	2,715	7	2,532	9
December	2,615	4	1,930	7	2,195	5	2,517	11	3,156	6
<b>Total</b>	<b>23,035</b>	<b>68</b>	<b>23,296</b>	<b>81</b>	<b>23,430</b>	<b>77</b>	<b>24,058</b>	<b>108</b>	<b>24,237</b>	<b>91</b>

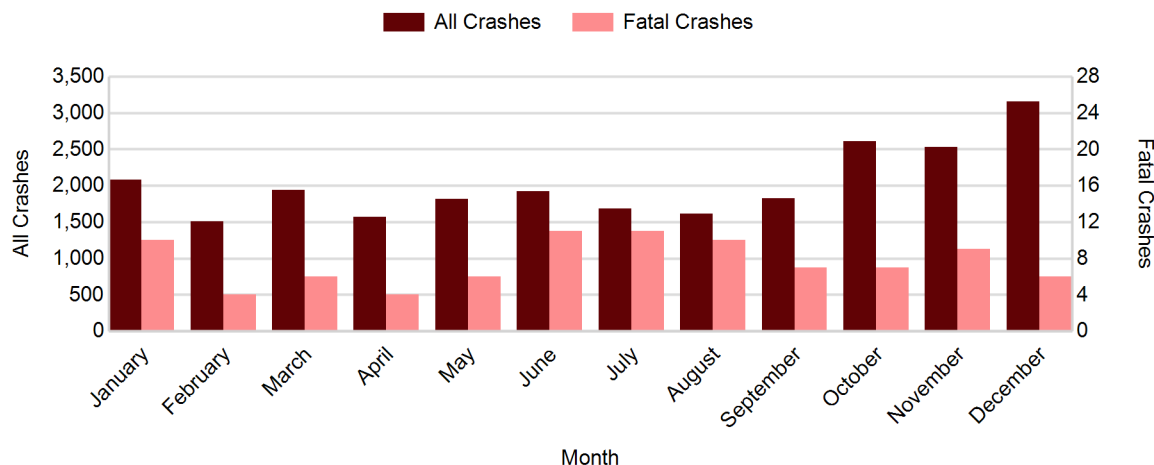
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

## 5-Year Trend - Crashes by Day of Week

Day	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	3,204	10	3,133	6	3,299	8	3,377	14	3,460	14
Tuesday	3,380	7	3,438	11	3,563	9	3,594	7	3,655	12
Wednesday	3,443	8	3,644	8	3,528	9	3,772	15	3,499	9
Thursday	3,541	9	4,010	13	3,513	10	3,583	14	3,707	16
Friday	3,748	9	3,753	10	3,667	12	3,906	18	4,063	12
Saturday	3,171	19	2,880	18	3,343	17	3,137	22	3,278	12
Sunday	2,548	6	2,438	15	2,517	12	2,689	18	2,575	16
<b>Total</b>	<b>23,035</b>	<b>68</b>	<b>23,296</b>	<b>81</b>	<b>23,430</b>	<b>77</b>	<b>24,058</b>	<b>108</b>	<b>24,237</b>	<b>91</b>

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

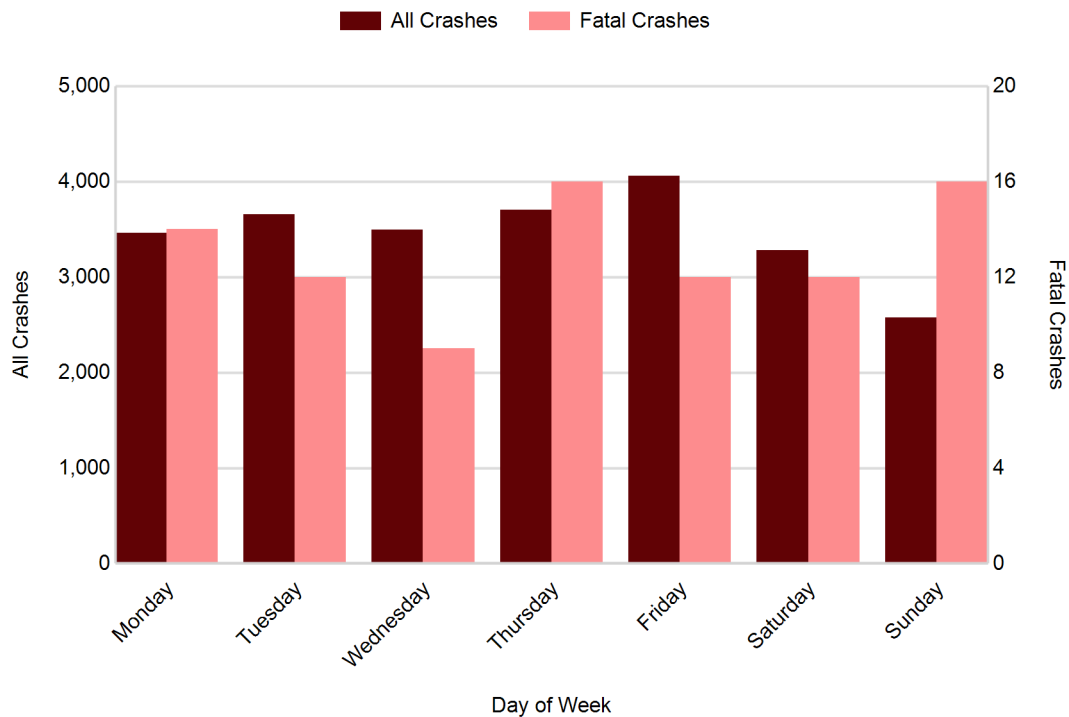
## 2017 Crashes by Month



2017 - 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	3,460	14.3	14	15.4	40	168	415	2,823
Tuesday	3,655	15.1	12	13.2	44	177	443	2,979
Wednesday	3,499	14.4	9	9.9	60	172	392	2,866
Thursday	3,707	15.3	16	17.6	51	181	456	3,003
Friday	4,063	16.8	12	13.2	69	193	506	3,283
Saturday	3,278	13.5	12	13.2	63	203	363	2,637
Sunday	2,575	10.6	16	17.6	69	175	278	2,037
<b>Total</b>	<b>24,237</b>	<b>100.0</b>	<b>91</b>	<b>100.0</b>	<b>396</b>	<b>1,269</b>	<b>2,853</b>	<b>19,628</b>

2017 Day of Week and Severity

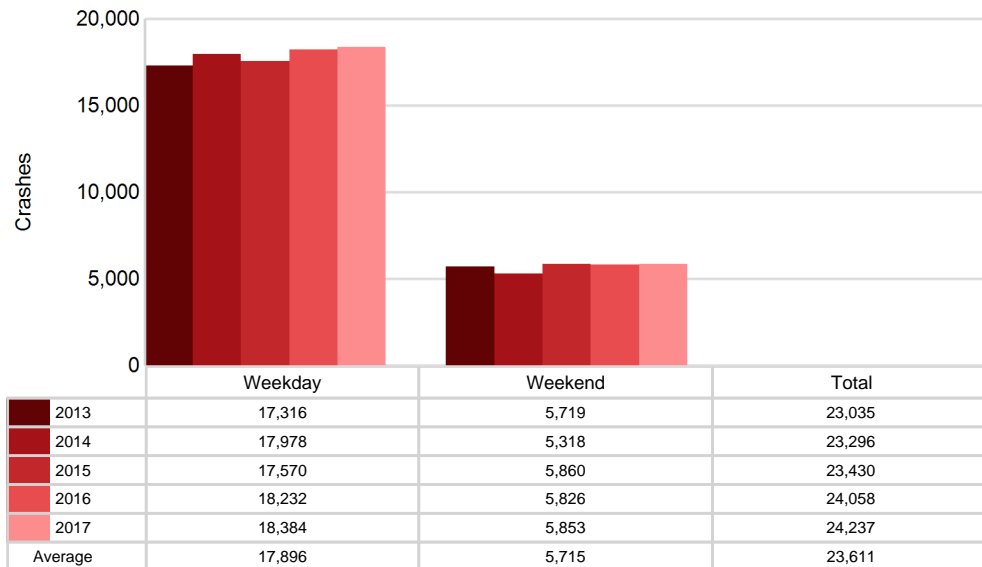


## East Michigan Prosperity Region (continued)

### 5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	17,316	43	17,978	48	17,570	48	18,232	68	18,384	63
Weekend	5,719	25	5,318	33	5,860	29	5,826	40	5,853	28
<b>Total</b>	<b>23,035</b>	<b>68</b>	<b>23,296</b>	<b>81</b>	<b>23,430</b>	<b>77</b>	<b>24,058</b>	<b>108</b>	<b>24,237</b>	<b>91</b>

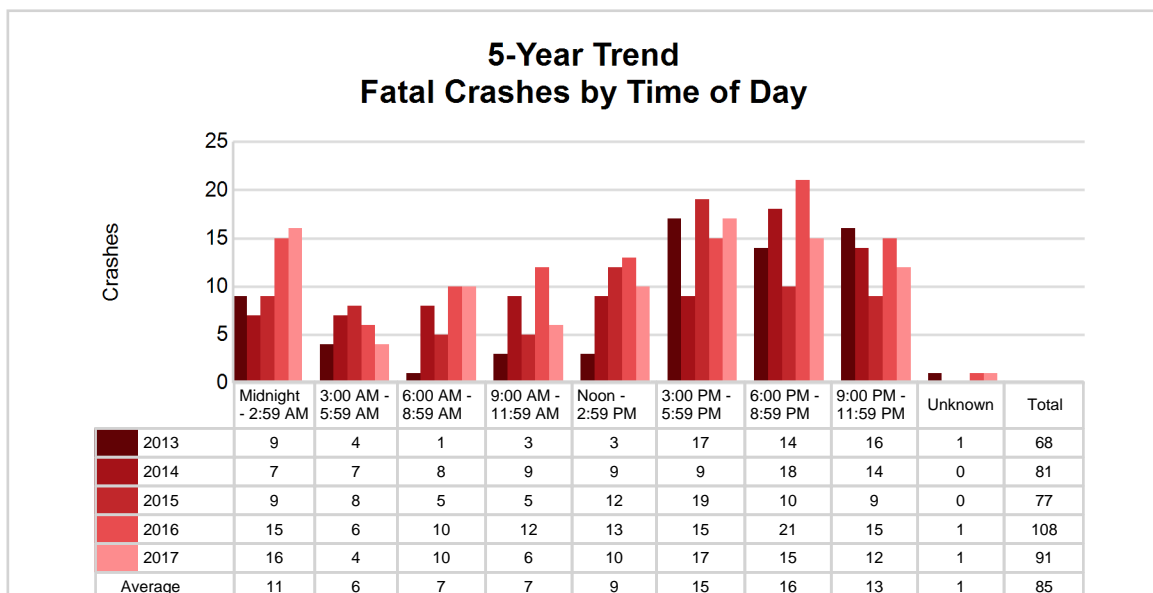
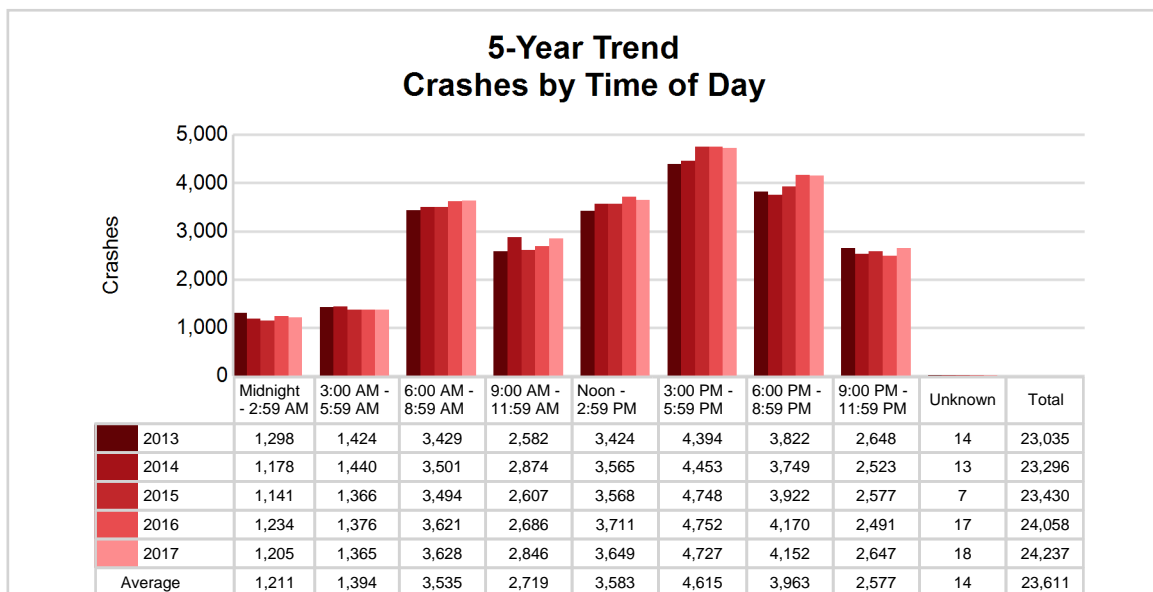
### 5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



## 5-Year Trend - Crashes by Time of Day

Time of Day	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	1,298	9	1,178	7	1,141	9	1,234	15	1,205	16
3:00 AM - 5:59 AM	1,424	4	1,440	7	1,366	8	1,376	6	1,365	4
6:00 AM - 8:59 AM	3,429	1	3,501	8	3,494	5	3,621	10	3,628	10
9:00 AM - 11:59 AM	2,582	3	2,874	9	2,607	5	2,686	12	2,846	6
Noon - 2:59 PM	3,424	3	3,565	9	3,568	12	3,711	13	3,649	10
3:00 PM - 5:59 PM	4,394 †	17	4,453 †	9	4,748 †	19	4,752 †	15	4,727 †	17
6:00 PM - 8:59 PM	3,822	14	3,749	18	3,922	10	4,170	21	4,152	15
9:00 PM - 11:59 PM	2,648	16	2,523	14	2,577	9	2,491	15	2,647	12
Unknown	14	1	13	0	7	0	17	1	18	1
<b>Total</b>	<b>23,035</b>	<b>68</b>	<b>23,296</b>	<b>81</b>	<b>23,430</b>	<b>77</b>	<b>24,058</b>	<b>108</b>	<b>24,237</b>	<b>91</b>

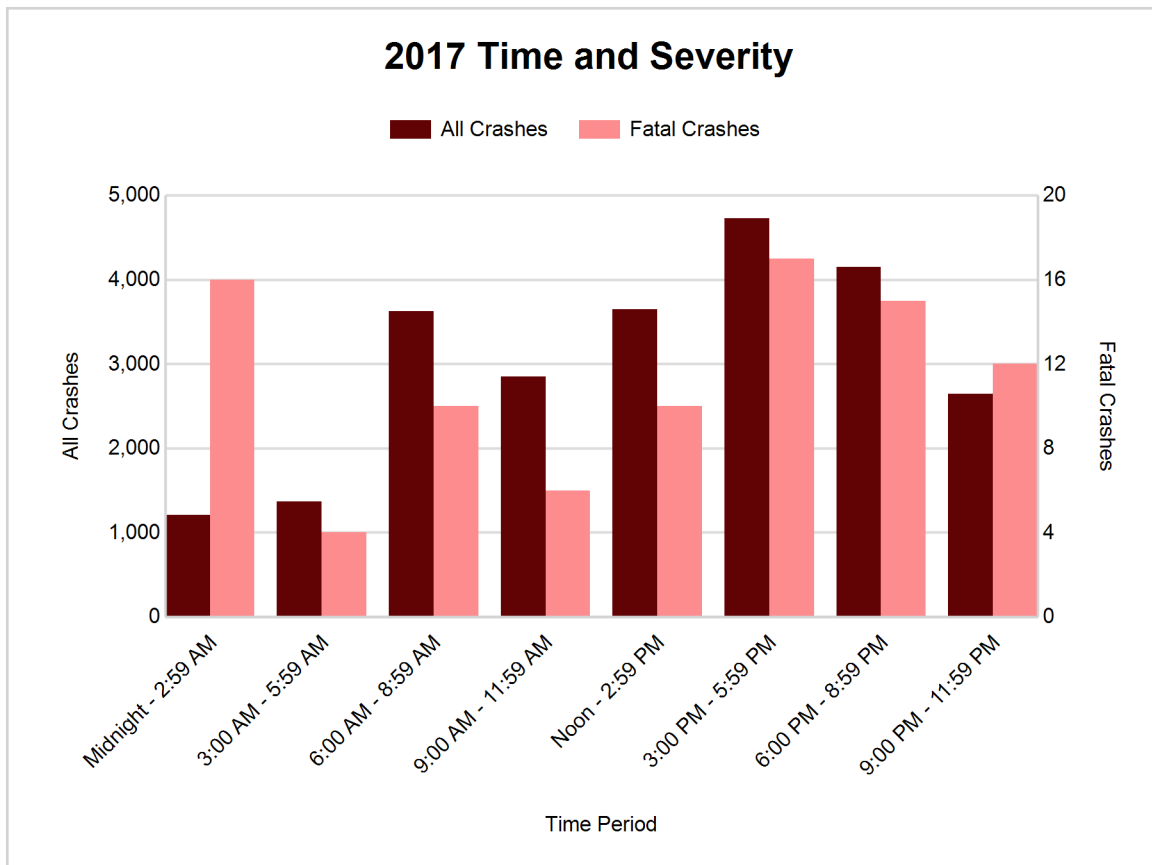
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period



# East Michigan Prosperity Region (continued)

## 2017 - 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	1,205	5.0	16	17.6	35	88	122	944
3:00 AM - 5:59 AM	1,365	5.6	4	4.4	20	41	87	1,213
6:00 AM - 8:59 AM	3,628	15.0	10	11.0	38	128	332	3,120
9:00 AM - 11:59 AM	2,846	11.7	6	6.6	35	162	403	2,240
Noon - 2:59 PM	3,649	15.1	10	11.0	75	252	578	2,734
3:00 PM - 5:59 PM	4,727	19.5	17	18.7	82	280	732	3,616
6:00 PM - 8:59 PM	4,152	17.1	15	16.5	64	189	377	3,507
9:00 PM - 11:59 PM	2,647	10.9	12	13.2	46	128	221	2,240
Unknown	18	0.1	1	1.1	1	1	1	14
<b>Total</b>	<b>24,237</b>	<b>100.0</b>	<b>91</b>	<b>100.0</b>	<b>396</b>	<b>1,269</b>	<b>2,853</b>	<b>19,628</b>

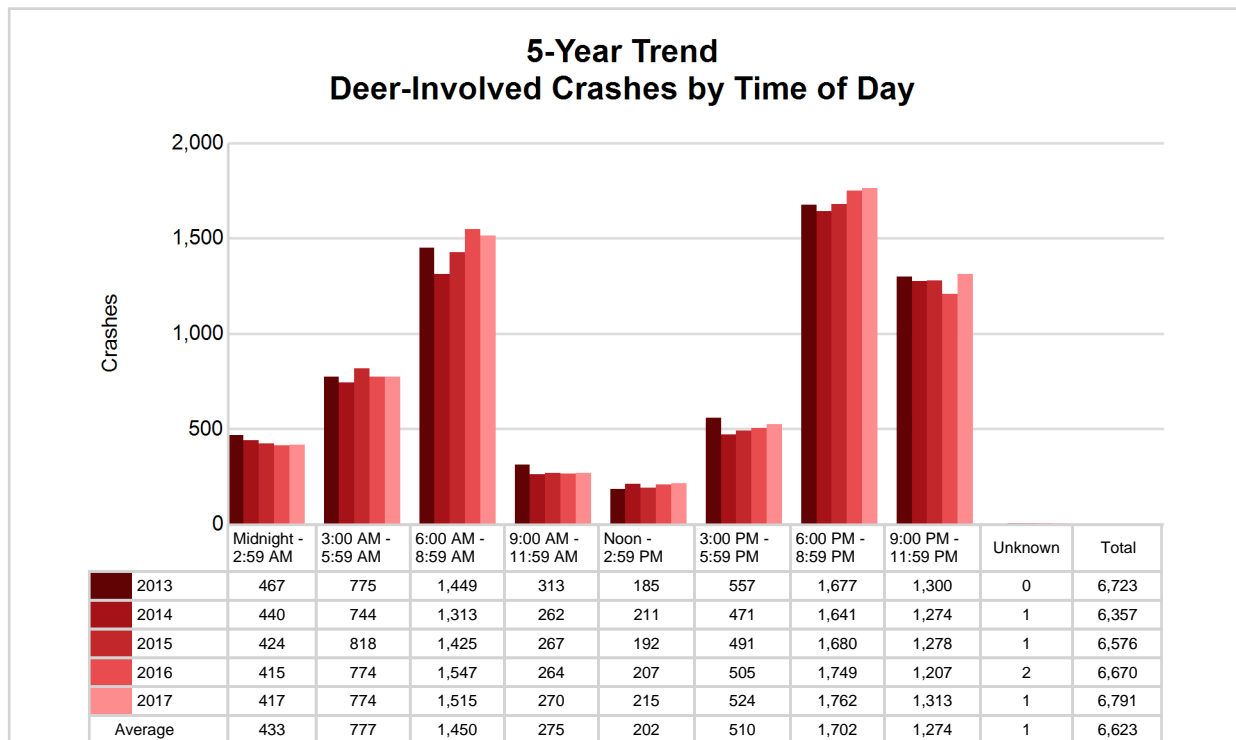




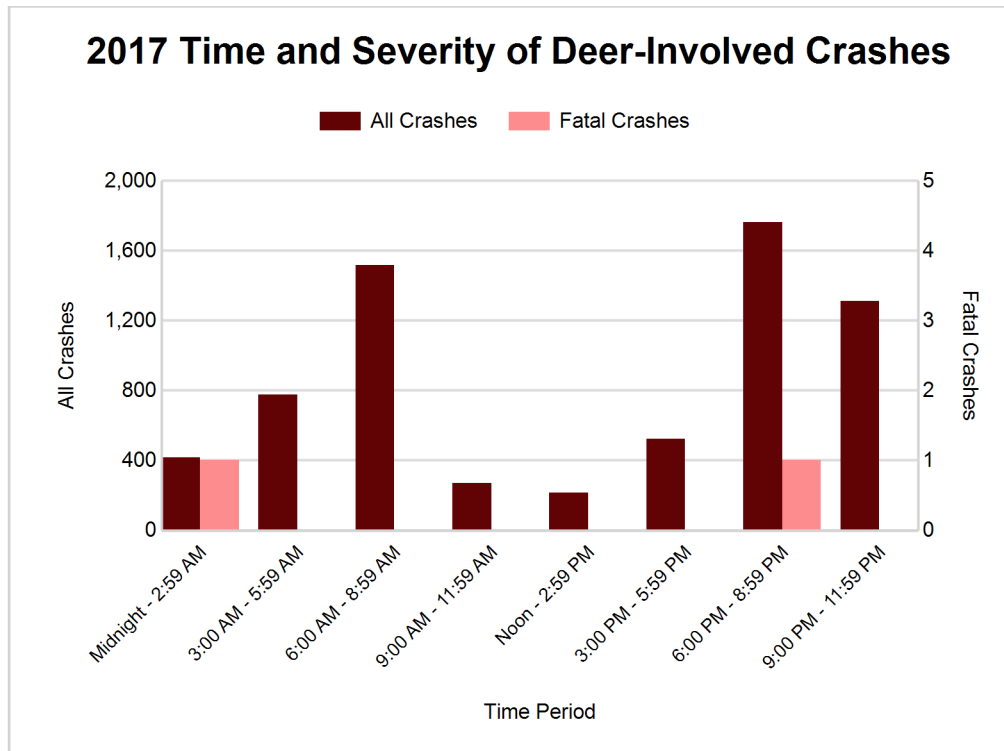
## 5-Year Trend - Deer-Involved Crashes by Time of Day

Time of Day	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	467	0	440	0	424	0	415	0	417	1
3:00 AM - 5:59 AM	775	0	744	0	818	0	774	0	774	0
6:00 AM - 8:59 AM	1,449	0	1,313	0	1,425	0	1,547	0	1,515	0
9:00 AM - 11:59 AM	313	0	262	0	267	0	264	0	270	0
Noon - 2:59 PM	185	0	211	0	192	0	207	0	215	0
3:00 PM - 5:59 PM	557	0	471	0	491	0	505	0	524	0
6:00 PM - 8:59 PM	1,677 †	0	1,641 †	0	1,680 †	0	1,749 †	0	1,762 †	1
9:00 PM - 11:59 PM	1,300	1	1,274	0	1,278	0	1,207	2	1,313	0
Unknown	0	0	1	0	1	0	2	0	1	0
<b>Total</b>	<b>6,723</b>	<b>1</b>	<b>6,357</b>	<b>0</b>	<b>6,576</b>	<b>0</b>	<b>6,670</b>	<b>2</b>	<b>6,791</b>	<b>2</b>

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)



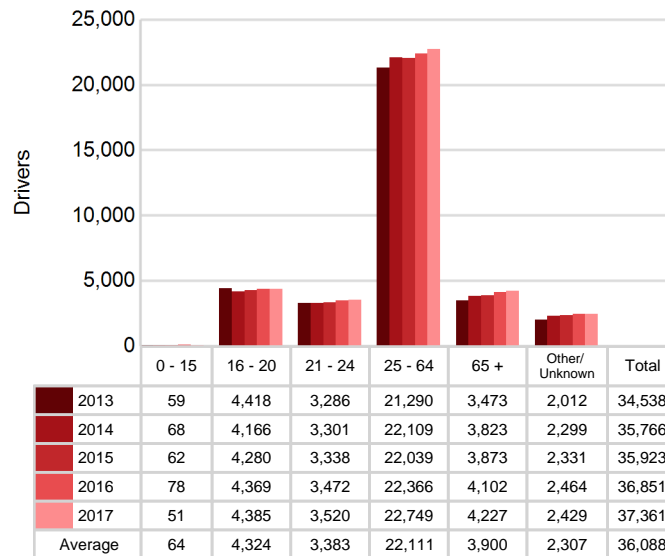
### 2017 - Reported Motor Vehicle Crashes by County

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	10,762	38	2,504	8,220	1,902	457	1,568	6,825	327	95	1,049	39	3,504
Huron	1,569	5	157	1,407	0	0	636	932	43	10	1,055	6	223
Lapeer	2,875	11	423	2,441	192	0	839	1,841	100	39	1,185	11	594
St. Clair	3,705	13	723	2,969	797	0	680	2,218	164	46	727	14	1,002
Sanilac	1,474	5	152	1,317	0	0	659	811	40	16	1,034	5	217
Shiawassee	2,114	6	300	1,808	271	0	654	1,187	74	16	877	6	414
Tuscola	1,738	13	259	1,466	0	0	594	1,141	77	41	864	14	358
<b>Total</b>	<b>24,237</b>	<b>91</b>	<b>4,518</b>	<b>19,628</b>	<b>3,162</b>	<b>457</b>	<b>5,630</b>	<b>14,955</b>	<b>825</b>	<b>263</b>	<b>6,791</b>	<b>95</b>	<b>6,312</b>

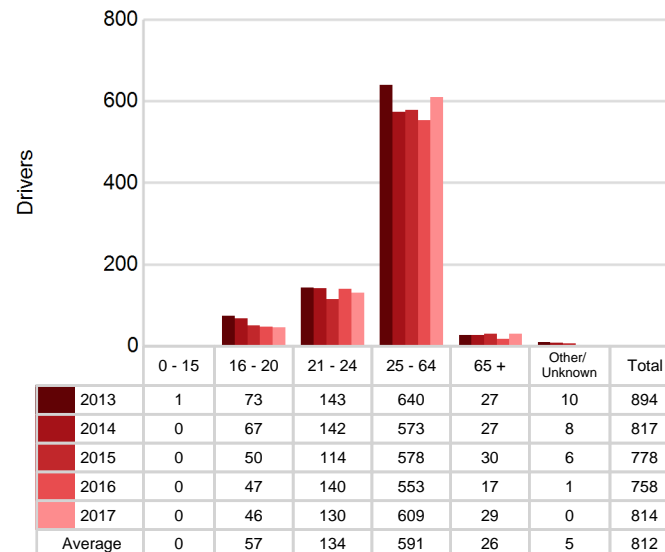
## 5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2013		2014		2015		2016		2017	
	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	59	1	68	0	62	0	78	0	51	0
16 - 20	4,418	73	4,166	67	4,280	50	4,369	47	4,385	46
21 - 24	3,286	143	3,301	142	3,338	114	3,472	140	3,520	130
25 - 64	21,290	640	22,109	573	22,039	578	22,366	553	22,749	609
65 +	3,473	27	3,823	27	3,873	30	4,102	17	4,227	29
Unknown	2,012	10	2,299	8	2,331	6	2,464	1	2,429	0
<b>Total</b>	<b>34,538</b>	<b>894</b>	<b>35,766</b>	<b>817</b>	<b>35,923</b>	<b>778</b>	<b>36,851</b>	<b>758</b>	<b>37,361</b>	<b>814</b>

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



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



# East Michigan Prosperity Region (continued)

## 2017 - 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	1	0	0	0	0	0	0	0	0
16 - 20	72	66	39	46	0	4	16	7	19
21 - 24	157	125	99	130	1	7	28	25	69
25 - 64	797	583	467	609	4	32	120	127	326
65 +	55	38	20	29	0	3	1	3	22
Unknown	45	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1,127</b>	<b>812</b>	<b>625</b>	<b>814</b>	<b>5</b>	<b>46</b>	<b>165</b>	<b>162</b>	<b>436</b>

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 2017, there were 1,127 drivers in alcohol-involved crashes; 814 (72.2%) of those drivers were coded as had-been-drinking by the officer on the crash form.

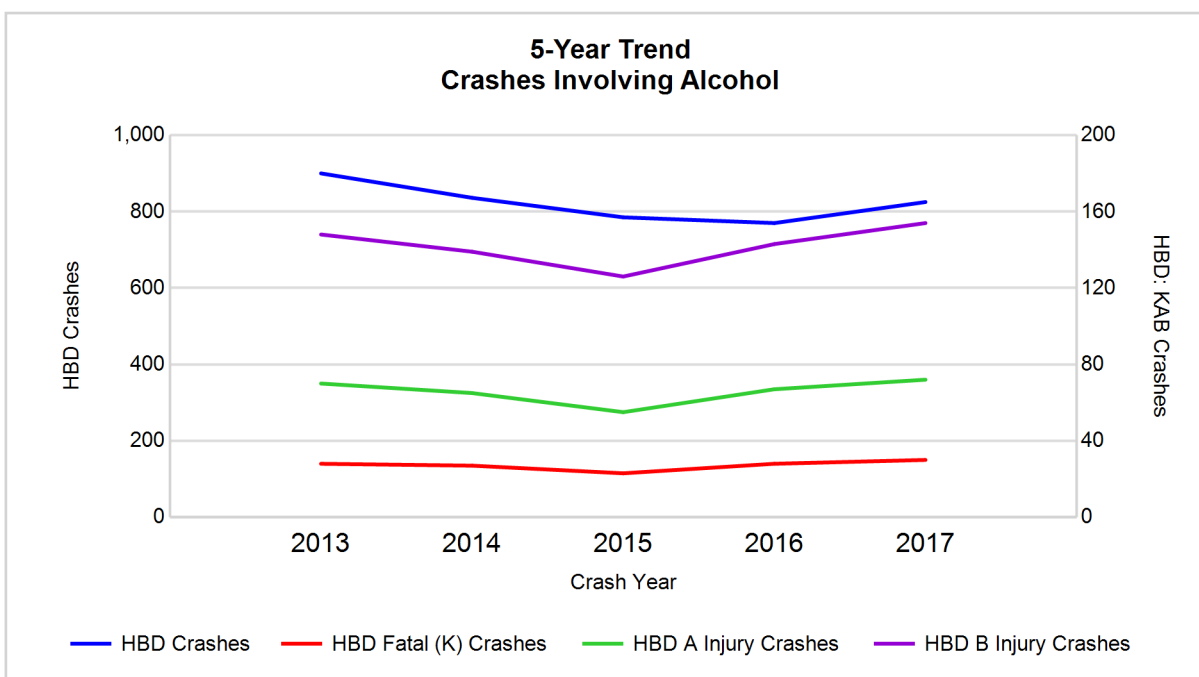
- 327 (40.2%) of the 814 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 162 (49.5%) of the 327 drivers had a BAC at or above 0.17 g/dL.
- 625 (76.8%) of the 814 drivers were coded as had-been-drinking and were tested for alcohol consumption.

## 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
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
2017	24,237**	825	3.4	91	30**	33.0	396**	72**	18.2	1,269**	154**	12.1

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



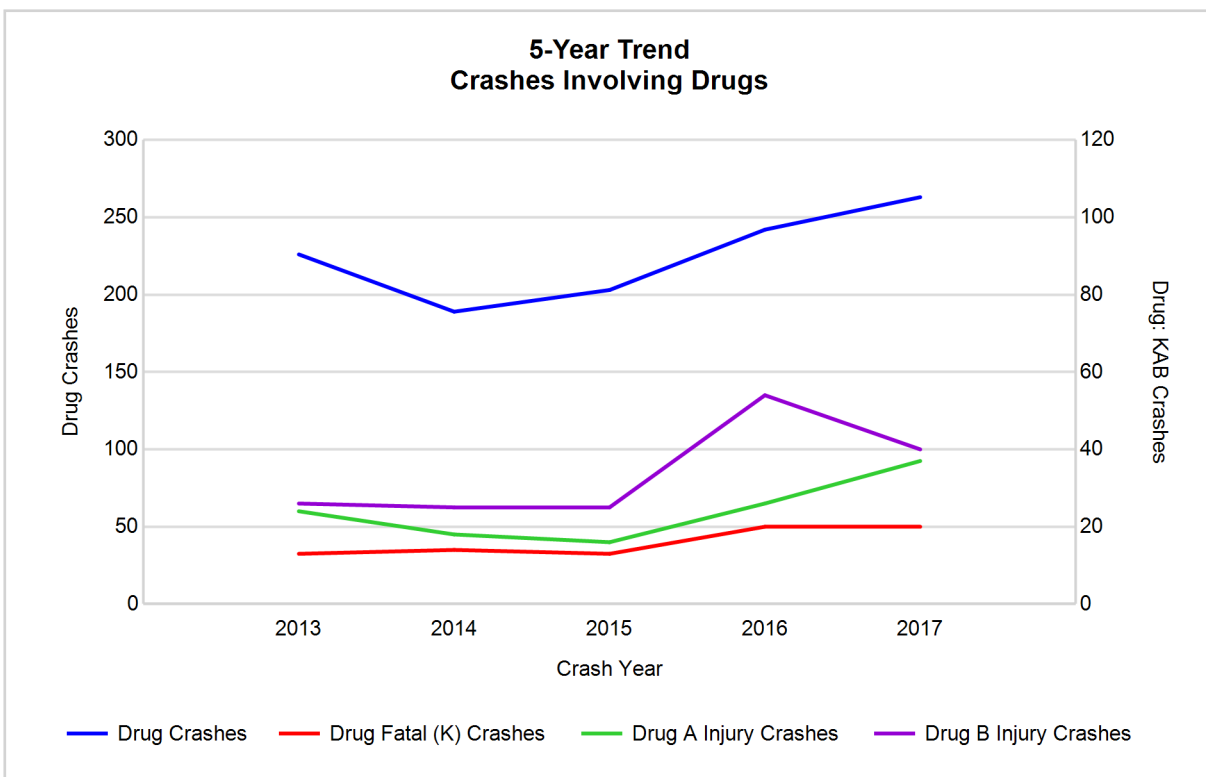
Note: Had-Been-Drinking (HBD)

## 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
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
2017	24,237**	263**	1.1**	91	20	22.0**	396**	37**	9.3**	1,269**	40	3.2

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



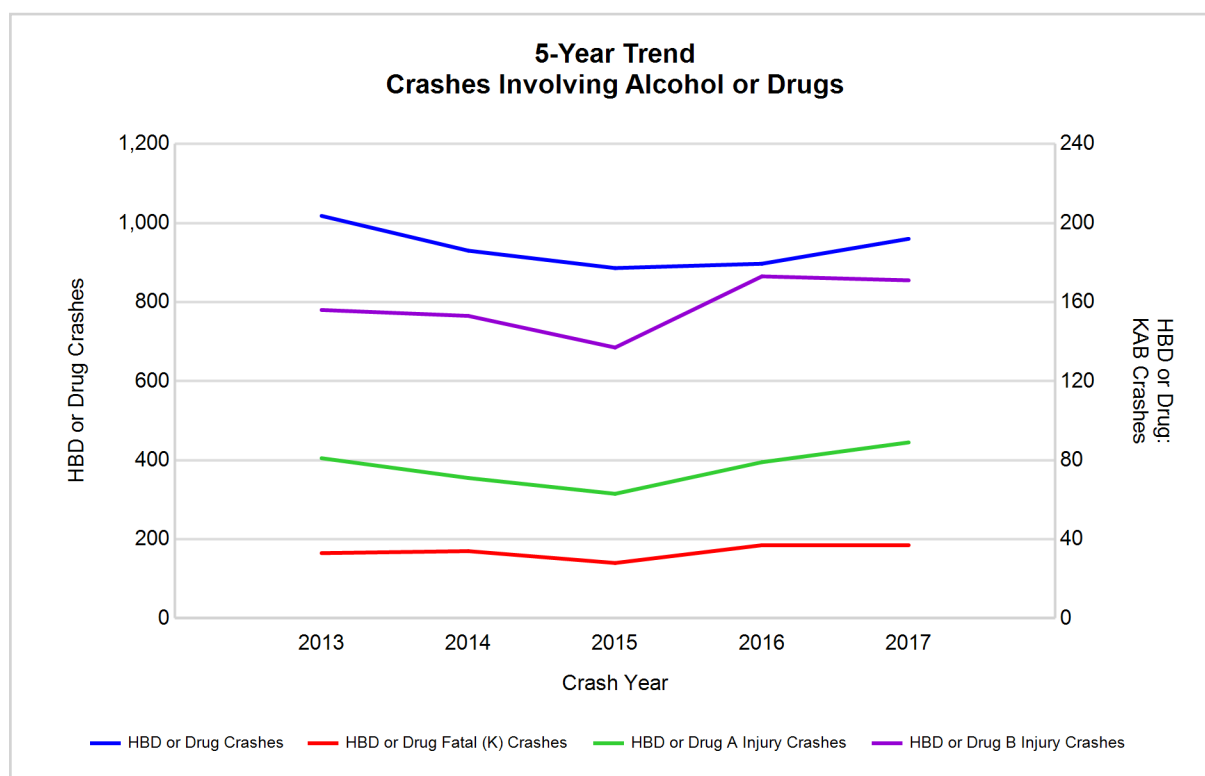
# East Michigan Prosperity Region (continued)

## 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
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
2017	24,237**	960	4.0	91	37	40.7	396**	89**	22.5	1,269**	171	13.5

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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## 2017 - 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	30,555	28,056	91.8	48	28	58.3	272	209	76.8	1,175	1,048	89.2	3,558	3,375	94.9	23,855	23,379	98.0
Motor home	54	52	96.3	0	0	0.0	1	1	100.0	2	2	100.0	6	6	100.0	44	43	97.7
Pickup truck	6,210	5,687	91.6	11	3	27.3	65	45	69.2	213	188	88.3	452	431	95.4	5,143	5,016	97.5
Small truck under 10,000 lbs. GVWR	241	219	90.9	0	0	0.0	3	2	66.7	6	6	100.0	15	11	73.3	204	200	98.0
Motorcycle	260	155	59.6	14	5	35.7	64	37	57.8	73	40	54.8	54	37	68.5	48	36	75.0
Moped / goped	26	12	46.2	1	1	100.0	8	2	25.0	8	4	50.0	4	2	50.0	4	3	75.0
Go-cart / golf cart	9	3	33.3	0	0	0.0	3	0	0.0	1	0	0.0	0	0	0.0	4	3	75.0
Snowmobile	3	1	33.3	0	0	0.0	1	0	0.0	1	1	100.0	0	0	0.0	1	0	0.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	53	8	15.1	2	0	0.0	16	4	25.0	21	1	4.8	8	1	12.5	6	2	33.3
Other	182	111	61.0	1	0	0.0	4	0	0.0	9	0	0.0	7	4	57.1	132	107	81.1
Truck/bus over 10,000 lbs.	849	777	91.5	1	0	0.0	6	4	66.7	14	11	78.6	44	33	75.0	751	729	97.1
Unknown	482	5	1.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	4	80.0
<b>Total</b>	<b>38,924</b>	<b>35,086</b>	<b>90.1</b>	<b>78</b>	<b>37</b>	<b>47.4</b>	<b>443</b>	<b>304</b>	<b>68.6</b>	<b>1,523</b>	<b>1,301</b>	<b>85.4</b>	<b>4,148</b>	<b>3,900</b>	<b>94.0</b>	<b>30,197</b>	<b>29,522</b>	<b>97.8</b>

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.

## 2017 - 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	474	420	88.6	2	1	50.0	18	10	55.6	98	81	82.7	316	292	92.4	40	36	90.0
16 - 20	4,652	4,476	96.2	6	3	50.0	52	35	67.3	264	220	83.3	529	493	93.2	3,790	3,721	98.2
21 - 24	3,655	3,477	95.1	8	2	25.0	52	36	69.2	172	143	83.1	430	393	91.4	2,985	2,902	97.2
25 - 64	23,324	22,434	96.2	45	21	46.7	258	169	65.5	803	688	85.7	2,373	2,238	94.3	19,766	19,304	97.7
65 +	4,390	4,279	97.5	17	10	58.8	63	54	85.7	186	169	90.9	500	484	96.8	3,612	3,559	98.5
Unknown	2,429	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	0	0.0
<b>Total</b>	<b>38,924</b>	<b>35,086</b>	<b>90.1</b>	<b>78</b>	<b>37</b>	<b>47.4</b>	<b>443</b>	<b>304</b>	<b>68.6</b>	<b>1,523</b>	<b>1,301</b>	<b>85.4</b>	<b>4,148</b>	<b>3,900</b>	<b>94.0</b>	<b>30,197</b>	<b>29,522</b>	<b>97.8</b>

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	2013			2014			2015			2016			2017		
	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	251	0	40	265	2	41	209	1	36	90	1	12	80	1	30
Shoulder belt only used	122	1	9	73	0	6	43	0	3	96	0	13	155	0	26
Lap belt only used	128	0	20	125	0	16	147	0	14	106	1	9	78	0	9
Both lap & shoulder belts used	30,841	14	3,647	31,805	26	3,505	31,937	21	3,590	32,717	31	4,029	33,331	24	4,013
No belts used	279	12	127	293	18	121	326	11	153	297	20	144	272	18	149
Child restraint used	1	0	0	0	0	0	2	0	0	7	0	0	4	0	0
Child restraint not used, unavailable or improper use	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
Restraint failure	11	0	4	15	0	3	12	0	0	8	0	1	10	0	2
Restraint use unknown	1,075	7	144	1,213	5	109	1,397	3	119	2,567	7	128	2,894	4	125
Helmet worn	183	3	118	179	6	122	209	6	150	222	2	170	164	5	119
Helmet not worn	107	7	84	119	6	84	112	8	82	127	9	94	107	9	88
Helmet use unknown	19	0	8	22	2	11	37	1	15	30	1	16	13	1	6
Uncoded & errors	1,521	0	6	1,656	0	2	1,491	0	4	584	0	0	253	0	0
<b>Total</b>	<b>34,538</b>	<b>44</b>	<b>4,207</b>	<b>35,766</b>	<b>65</b>	<b>4,020</b>	<b>35,923</b>	<b>51</b>	<b>4,166</b>	<b>36,851</b>	<b>72</b>	<b>4,616</b>	<b>37,361</b>	<b>62</b>	<b>4,567</b>

## 5-Year Trend - Restraint Use Among Drivers Coded Drinking

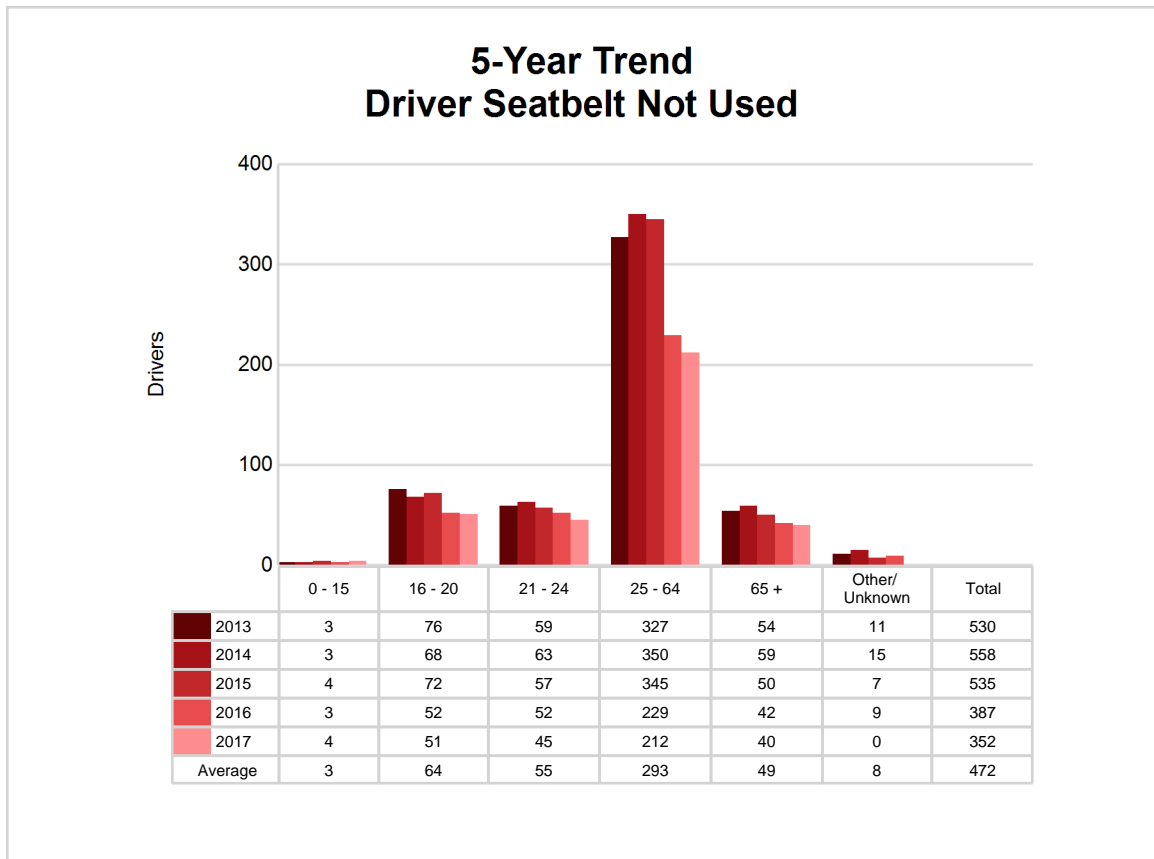
Restraint Use	2013			2014			2015			2016			2017		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	9	0	4	7	0	3	6	0	6	0	0	0	1	0	1
Shoulder belt only used	9	0	1	0	0	0	2	0	0	1	0	0	4	0	1
Lap belt only used	1	0	0	3	0	2	6	0	3	3	0	0	1	0	1
Both lap & shoulder belts used	645	1	205	567	3	185	534	4	149	530	4	178	571	5	181
No belts used	64	8	39	71	9	39	71	6	47	69	6	45	73	7	52
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	1	0	0	2	0	1	0	0	0
Restraint use unknown	142	3	39	135	2	36	115	0	37	124	3	35	126	1	32
Helmet worn	9	1	8	6	1	3	11	2	7	9	0	8	9	0	8
Helmet not worn	10	1	8	22	2	18	24	5	15	19	3	15	27	7	19
Helmet use unknown	2	0	2	0	0	0	3	0	3	1	1	0	1	1	0
Uncoded & errors	3	0	0	6	0	0	5	0	1	0	0	0	1	0	0
<b>Total</b>	<b>894</b>	<b>14</b>	<b>306</b>	<b>817</b>	<b>17</b>	<b>286</b>	<b>778</b>	<b>17</b>	<b>268</b>	<b>758</b>	<b>17</b>	<b>282</b>	<b>814</b>	<b>21</b>	<b>295</b>



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

Age Group	2013			2014			2015			2016			2017		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	3	0	0	3	0	1	4	0	2	3	0	1	4	0	2
16 - 20	76	0	30	68	3	22	72	1	31	52	2	24	51	0	34
21 - 24	59	1	14	63	0	24	57	0	21	52	2	26	45	3	28
25 - 64	327	11	111	350	12	100	345	7	121	229	9	92	212	13	98
65 +	54	0	12	59	5	13	50	4	12	42	8	13	40	3	17
Unknown	11	0	0	15	0	2	7	0	2	9	0	0	0	0	0
<b>Total</b>	<b>530</b>	<b>12</b>	<b>167</b>	<b>558</b>	<b>20</b>	<b>162</b>	<b>535</b>	<b>12</b>	<b>189</b>	<b>387</b>	<b>21</b>	<b>156</b>	<b>352</b>	<b>19</b>	<b>179</b>

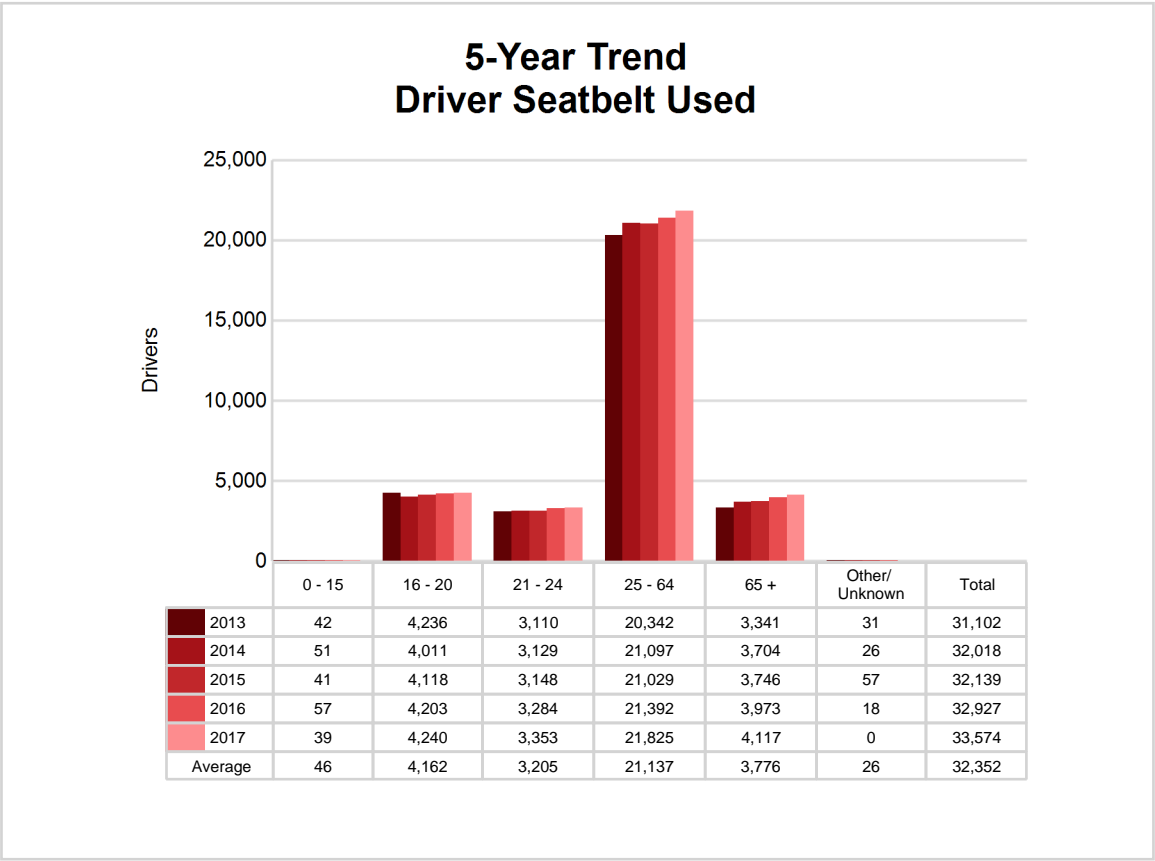
Note: Seatbelt Not Used includes no belts available or no belts used.



5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2013			2014			2015			2016			2017		
	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	42	0	8	51	1	5	41	0	4	57	0	3	39	0	4
16 - 20	4,236	3	561	4,011	1	475	4,118	2	511	4,203	2	536	4,240	1	521
21 - 24	3,110	0	380	3,129	3	363	3,148	1	365	3,284	2	417	3,353	1	452
25 - 64	20,342	10	2,287	21,097	14	2,240	21,029	13	2,271	21,392	20	2,534	21,825	13	2,526
65 +	3,341	2	442	3,704	7	447	3,746	5	456	3,973	8	562	4,117	9	547
Unknown	31	0	2	26	0	0	57	0	0	18	0	0	0	0	0
Total	31,102	15	3,680	32,018	26	3,530	32,139	21	3,607	32,927	32	4,052	33,574	24	4,050

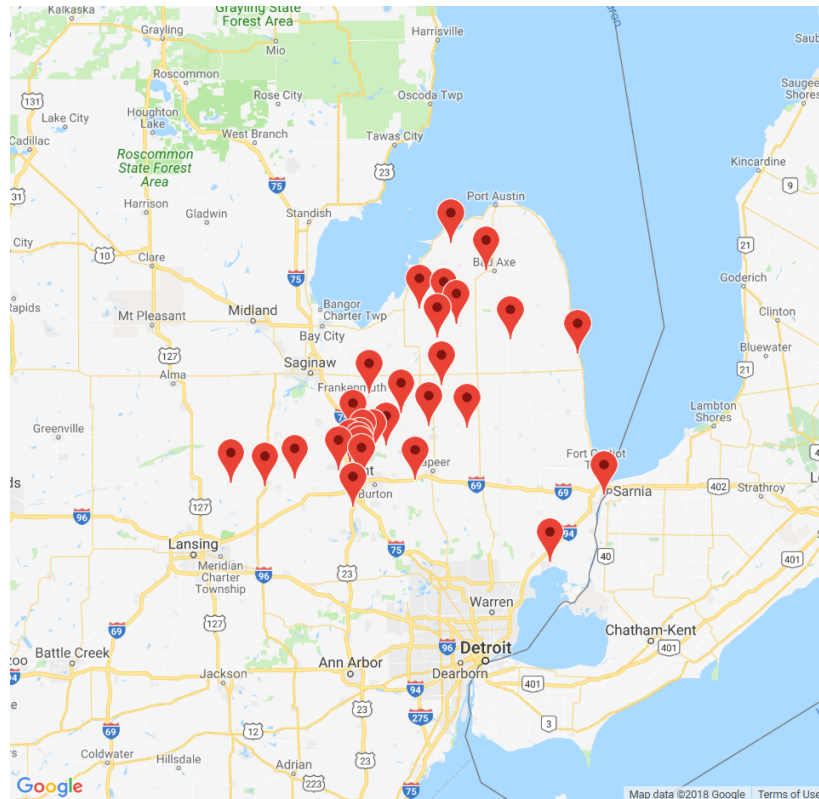
Note: Seatbelt Used includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, and restraint failure.



## 5-Year Trend - Drivers in Crashes by Hazardous Action

Hazardous Action	2013		2014		2015		2016		2017	
	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	19,267	46	19,750	58	19,988	59	20,087	66	20,333	52
Speed too fast	2,779	10	2,969	18	2,544	15	2,573	18	2,482	10
Speed too slow	38	0	28	0	27	1	24	0	22	0
Failed to yield	2,949	9	2,931	11	3,115	14	3,184	13	3,366	11
Disregard traffic control	801	3	835	7	871	6	846	10	784	7
Drove wrong way	27	2	38	2	28	0	28	3	22	0
Drove left of center	215	5	211	6	218	5	281	9	247	5
Improper passing	166	0	189	0	172	0	183	0	192	1
Improper lane use	543	1	585	2	579	2	618	0	719	2
Improper turn	362	0	336	1	425	0	372	1	384	2
Improper/no signal	69	0	70	0	44	0	41	0	35	0
Improper backing	510	0	556	0	580	1	580	1	500	0
Unable to stop in assured clear distance	3,464	4	3,917	4	3,877	5	4,021	3	4,047	1
Other	1,288	3	1,312	11	1,177	7	1,249	11	1,179	7
Unknown	660	13	707	13	793	11	1,323	18	1,574	17
Reckless driving	300	5	246	8	221	3	181	2	205	6
Careless/negligent driving	1,004	4	989	2	1,100	3	949	7	989	11
Uncoded & errors	96	0	97	0	164	0	311	1	281	1
<b>Total</b>	<b>34,538</b>	<b>105</b>	<b>35,766</b>	<b>143</b>	<b>35,923</b>	<b>132</b>	<b>36,851</b>	<b>163</b>	<b>37,361</b>	<b>133</b>

## East Michigan Prosperity Region (continued)



The picture above represents all 2017 alcohol-involved fatal crashes in East Michigan Prosperity Region.

In 2017, there were 825 alcohol-involved crashes in East Michigan Prosperity Region:

- 30 K - Fatal Crashes
- 72 A - Suspected Serious Injury Crashes
- 154 B - Suspected Minor Injury Crashes
- 140 C - Possible Injury Crashes
- 429 O - Property Damage Only/No Injury Crashes

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