



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 - Southeast Michigan Prosperity Region

2017 Traffic Crash Data & 2013-2017 5-Year Trends

Prosperity Region - 9 is comprised of Hillsdale, Jackson, Lenawee, Livingston, Monroe, and Washtenaw counties. Trend tables for this report are based on those counties.

9. Southeast 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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Southeast Michigan Prosperity Region Experience

The 2017* comprehensive cost of traffic crashes was **\$4,280,000,000**.** Fatalities cost **\$1,300,000,000**, injuries cost **\$1,835,000,000**, and 'Property Damage Only' crashes cost **\$1,145,000,000**.

In 2017:

There were 48,275 drivers involved in 29,005 motor vehicle crashes in Southeast Michigan Prosperity Region. Of those crashes, 108 were classified as fatal, resulting in 126 fatalities. An additional 6,559 persons were injured.

Southeast Michigan Prosperity Region experienced the highest number of motor vehicle crashes (3,669) in December, the highest number of fatal crashes (16) and the highest number of persons killed (21) in April.

Michigan driver statistics indicate 6.9 percent of licensed drivers in Southeast Michigan Prosperity Region were age 16-20, and 12.3 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	2,370	9	371	1,990	10	491
February	1,886	5	259	1,622	6	336
March	2,575	5	447	2,123	5	613
April	1,930	16	334	1,580	21	470
May	2,309	9	428	1,872	13	585
June	2,255	10	446	1,799	10	588
July	1,972	12	400	1,560	14	558
August	2,001	9	414	1,578	9	537
September	2,156	9	436	1,711	11	597
October	2,919	10	483	2,426	11	637
November	2,963	9	391	2,563	9	528
December	3,669	5	479	3,185	7	619
Total	29,005	108	4,888	24,009	126	6,559

2017 - Driver Statistics

Age Group	Southeast Michigan Prosperity Region			Driver Rates	
	2017 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	181,117	5,856	106	5.9	181.0
16 - 20	82,105	51,908	5,921	721.1	1,140.7
21 - 24	68,806	49,995	4,911	713.7	982.3
25 - 64	516,961	493,615	29,416	569.0	595.9
65 +	161,080	148,451	4,807	298.4	323.8
Unknown	0	0	3,114	- -	- -
Total	1,010,069	749,825	48,275	477.9	643.8

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	39,228	81.3	123	68.0	6,954	32,151
Motor home	187	0.4	1	0.6	31	155
Pickup truck	5,585	11.6	18	9.9	946	4,621
Small truck under 10,000 lbs. GVWR	313	0.6	0	0.0	49	264
Motorcycle	322	0.7	13	7.2	239	70
Moped / goped	29	0.1	1	0.6	22	6
Go-cart / golf cart	3	0.0	0	0.0	1	2
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	19	0.0	4	2.2	10	5
Other	187	0.4	1	0.6	23	163
Truck/bus over 10,000 lbs.	1,583	3.3	20	11.0	253	1,310
Unknown	819	1.7	0	0.0	60	759
Total	48,275	100.0	181	100.0	8,588	39,506

Southeast 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	2,672	2	4,008	6	3,337	4	2,610	4	2,370	9
February	2,582	6	2,752	8	2,529	2	2,534	5	1,886	5
March	1,883	11	2,382	5	1,958	3	2,417	3	2,575	5
April	1,752	8	1,698	11	1,731	4	2,111	7	1,930	16
May	2,141	7	2,014	12	2,082	7	2,258	8	2,309	9
June	2,102	9	2,017	15	2,212	10	2,231	8	2,255	10
July	2,015	10	1,911	11	2,063	10	2,206	12	1,972	12
August	1,953	13	1,808	6	1,963	7	2,128	8	2,001	9
September	2,124	10	2,130	9	2,256	8	2,349	12	2,156	9
October	2,817	10	2,733	5	2,790	13	2,764	12	2,919	10
November	2,895	13	3,350	9	3,286	3	2,974	10	2,963	9
December	3,114	6	2,240	6	2,452	7	3,117	5	3,669	5
Total	28,050	105	29,043	103	28,659	78	29,699	94	29,005	108

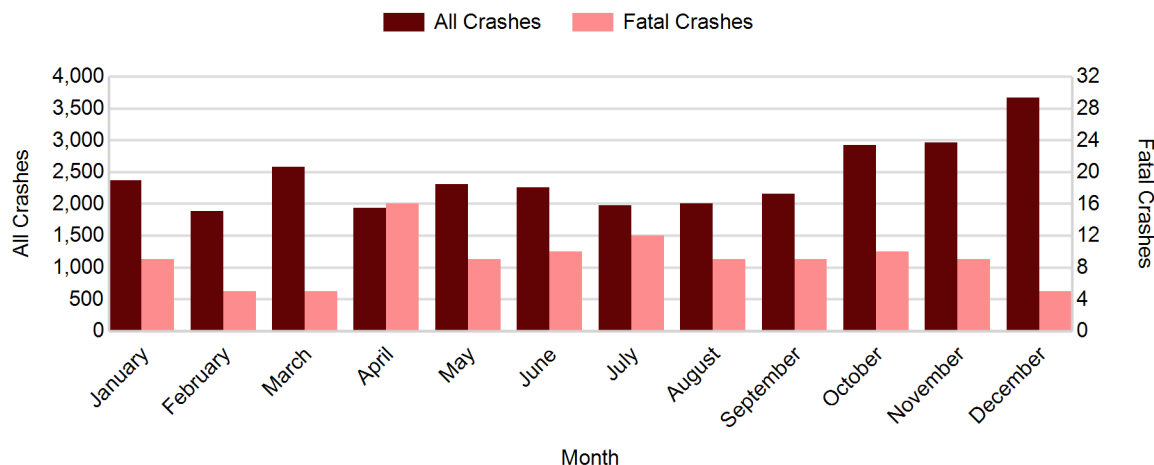
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

5-Year Trend - Crashes by Day of Week

Day	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	4,241	14	3,890	10	4,231	6	4,054	17	4,305	14
Tuesday	4,171	9	4,193	10	4,300	6	4,605	16	4,307	14
Wednesday	4,136	17	4,671	17	4,458	21	4,762	10	4,371	19
Thursday	4,170	13	4,918	12	4,115	12	4,708	9	4,566	14
Friday	4,616	24	4,764	20	4,635	14	5,082	16	4,921	20
Saturday	3,776	13	3,670	17	3,945	8	3,610	15	3,572	14
Sunday	2,940	15	2,937	17	2,975	11	2,878	11	2,963	13
Total	28,050	105	29,043	103	28,659	78	29,699	94	29,005	108

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

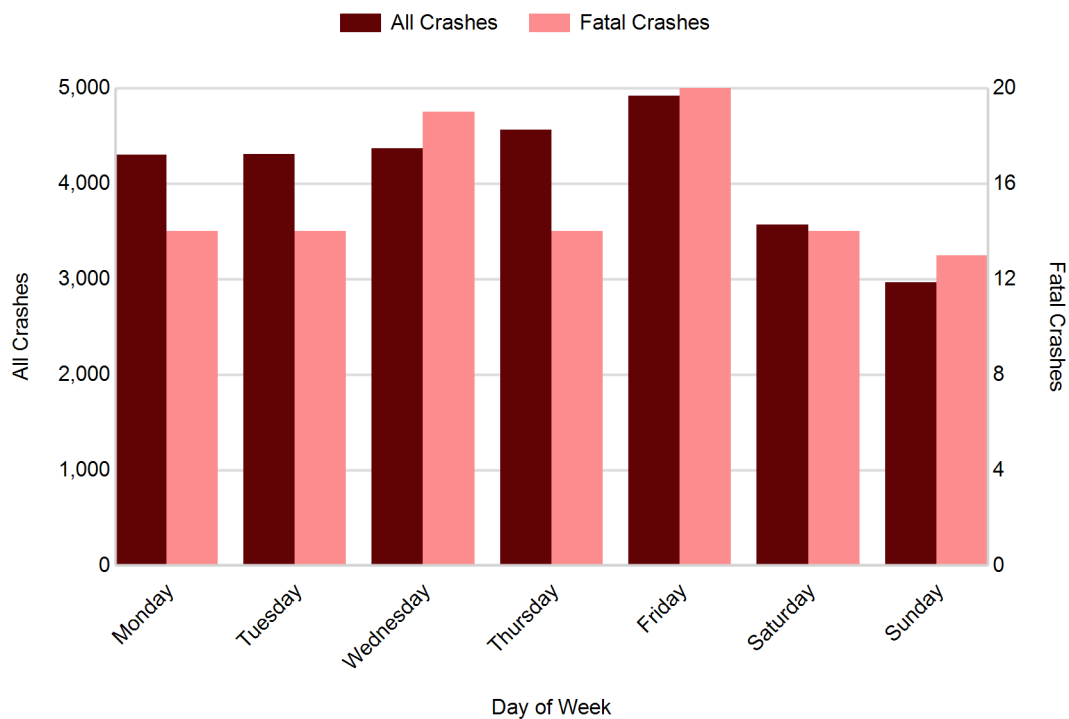
2017 Crashes by Month



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	4,305	14.8	14	13.0	49	220	421	3,601
Tuesday	4,307	14.8	14	13.0	63	247	459	3,524
Wednesday	4,371	15.1	19	17.6	68	221	415	3,648
Thursday	4,566	15.7	14	13.0	50	242	469	3,791
Friday	4,921	17.0	20	18.5	92	263	463	4,083
Saturday	3,572	12.3	14	13.0	80	213	299	2,966
Sunday	2,963	10.2	13	12.0	69	201	284	2,396
Total	29,005	100.0	108	100.0	471	1,607	2,810	24,009

2017 Day of Week and Severity

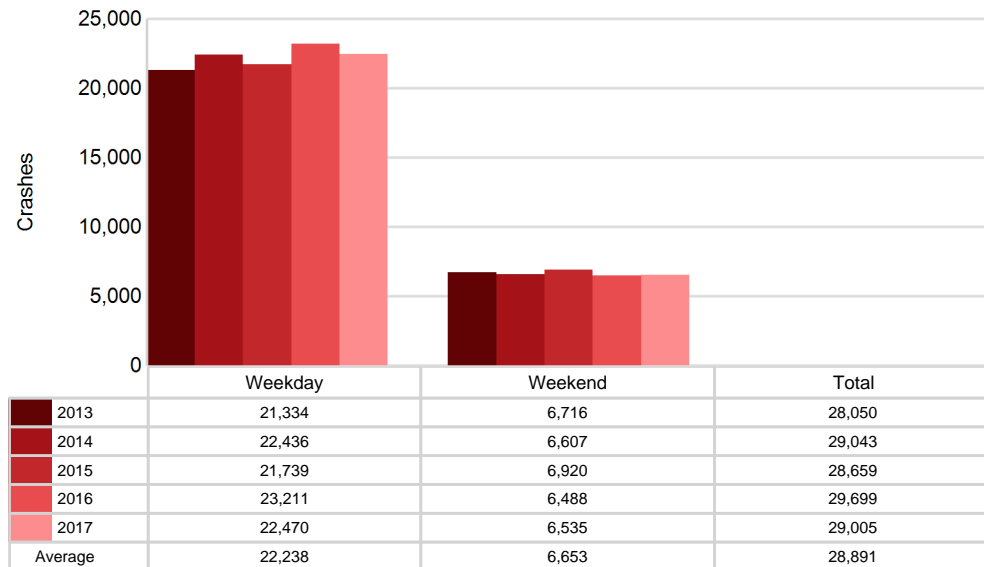


Southeast Michigan Prosperity Region (continued)

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	21,334	77	22,436	69	21,739	59	23,211	68	22,470	81
Weekend	6,716	28	6,607	34	6,920	19	6,488	26	6,535	27
Total	28,050	105	29,043	103	28,659	78	29,699	94	29,005	108

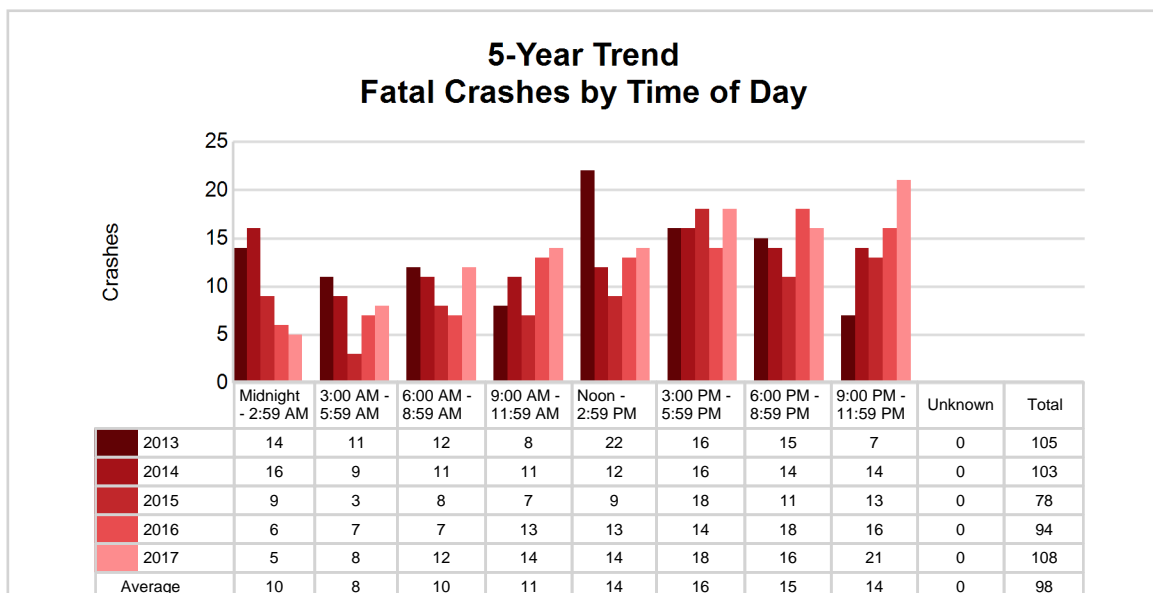
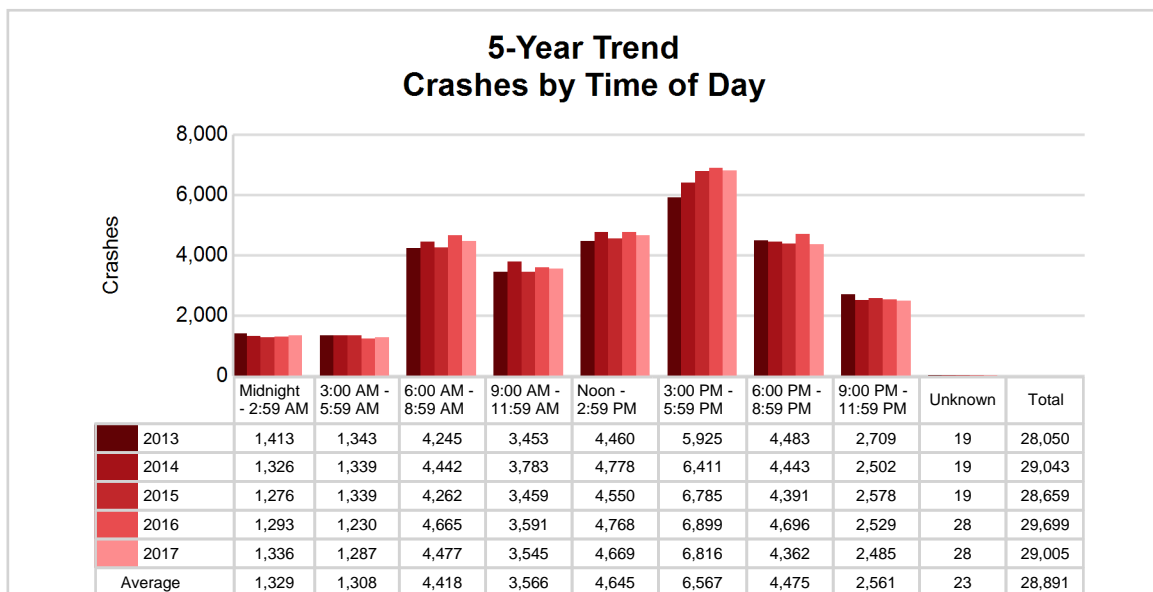
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



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	1,413	14	1,326	16	1,276	9	1,293	6	1,336	5
3:00 AM - 5:59 AM	1,343	11	1,339	9	1,339	3	1,230	7	1,287	8
6:00 AM - 8:59 AM	4,245	12	4,442	11	4,262	8	4,665	7	4,477	12
9:00 AM - 11:59 AM	3,453	8	3,783	11	3,459	7	3,591	13	3,545	14
Noon - 2:59 PM	4,460	22	4,778	12	4,550	9	4,768	13	4,669	14
3:00 PM - 5:59 PM	5,925 †	16	6,411 †	16	6,785 †	18	6,899 †	14	6,816 †	18
6:00 PM - 8:59 PM	4,483	15	4,443	14	4,391	11	4,696	18	4,362	16
9:00 PM - 11:59 PM	2,709	7	2,502	14	2,578	13	2,529	16	2,485	21
Unknown	19	0	19	0	19	0	28	0	28	0
Total	28,050	105	29,043	103	28,659	78	29,699	94	29,005	108

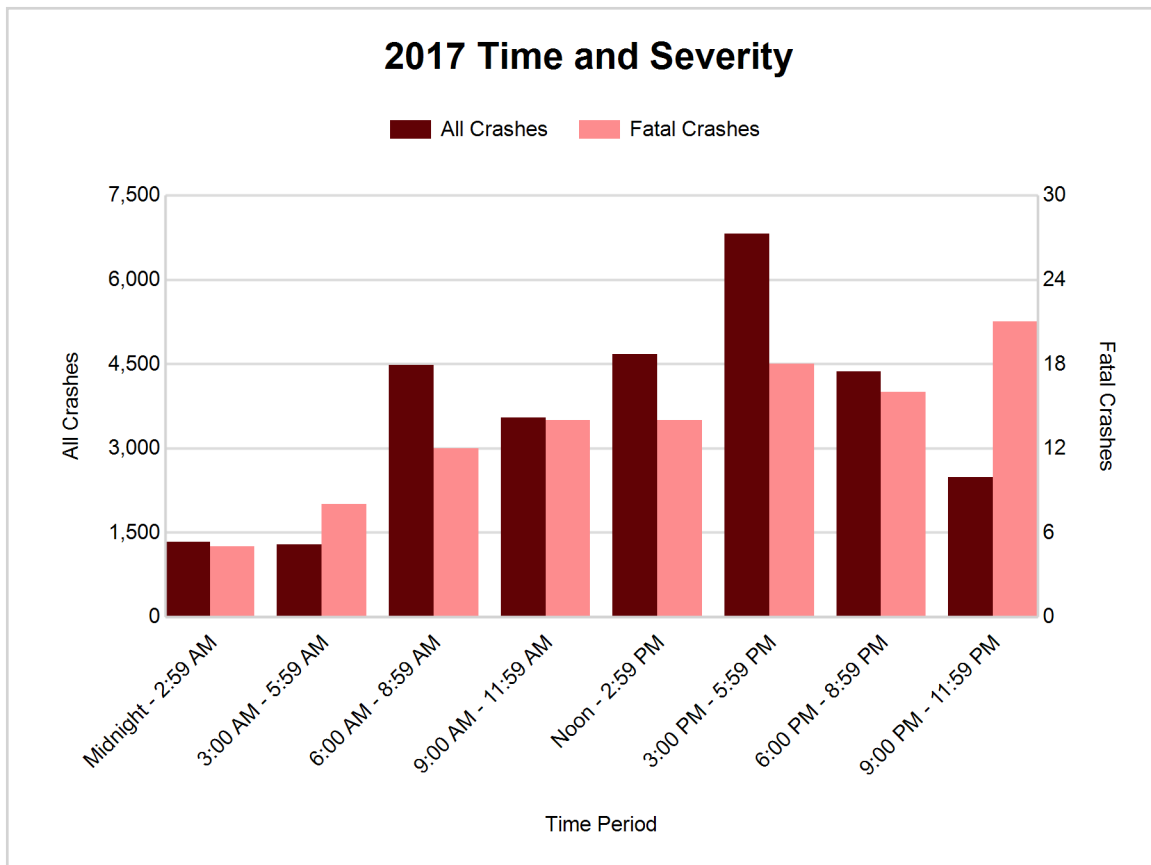
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period



Southeast Michigan Prosperity Region (continued)

2017 - Time and Severity

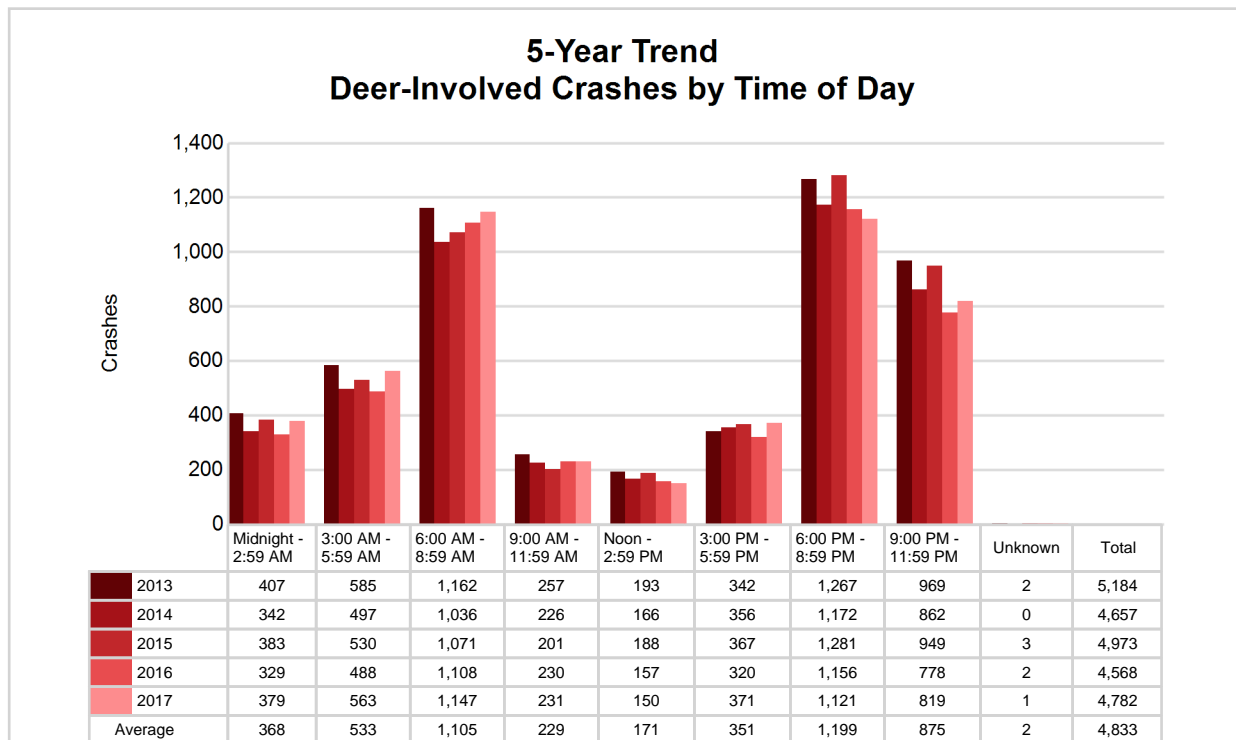
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	1,336	4.6	5	4.6	45	93	102	1,091
3:00 AM - 5:59 AM	1,287	4.4	8	7.4	30	73	93	1,083
6:00 AM - 8:59 AM	4,477	15.4	12	11.1	49	191	392	3,833
9:00 AM - 11:59 AM	3,545	12.2	14	13.0	46	176	347	2,962
Noon - 2:59 PM	4,669	16.1	14	13.0	80	272	537	3,766
3:00 PM - 5:59 PM	6,816	23.5	18	16.7	105	389	753	5,551
6:00 PM - 8:59 PM	4,362	15.0	16	14.8	65	247	367	3,667
9:00 PM - 11:59 PM	2,485	8.6	21	19.4	51	166	219	2,028
Unknown	28	0.1	0	0.0	0	0	0	28
Total	29,005	100.0	108	100.0	471	1,607	2,810	24,009



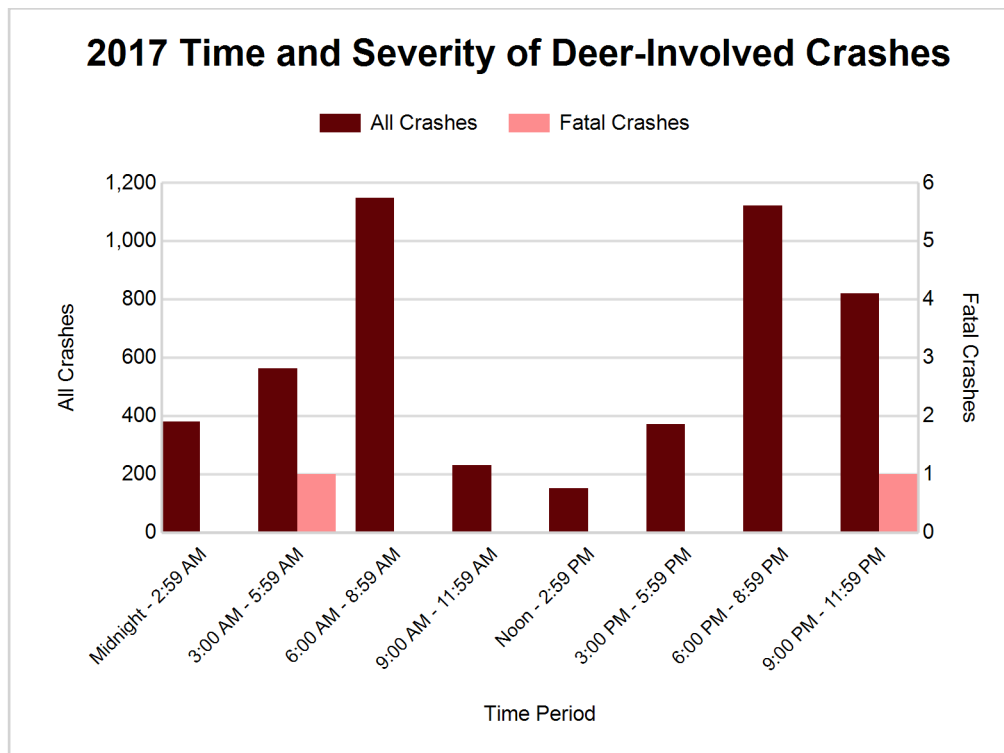
5-Year Trend - Deer-Involved Crashes by Time of Day

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	407	0	342	0	383	0	329	0	379	0
3:00 AM - 5:59 AM	585	0	497	0	530	0	488	0	563	1
6:00 AM - 8:59 AM	1,162	0	1,036	0	1,071	0	1,108	0	1,147	0
9:00 AM - 11:59 AM	257	0	226	0	201	0	230	0	231	0
Noon - 2:59 PM	193	0	166	1	188	0	157	0	150	0
3:00 PM - 5:59 PM	342	0	356	0	367	0	320	0	371	0
6:00 PM - 8:59 PM	1,267	1	1,172	1	1,281	2	1,156	0	1,121	0
9:00 PM - 11:59 PM	969	0	862	0	949	0	778	0	819	1
Unknown	2	0	0	0	3	0	2	0	1	0
Total	5,184	1	4,657	2	4,973	2	4,568	0	4,782	2

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



Southeast Michigan Prosperity Region (continued)



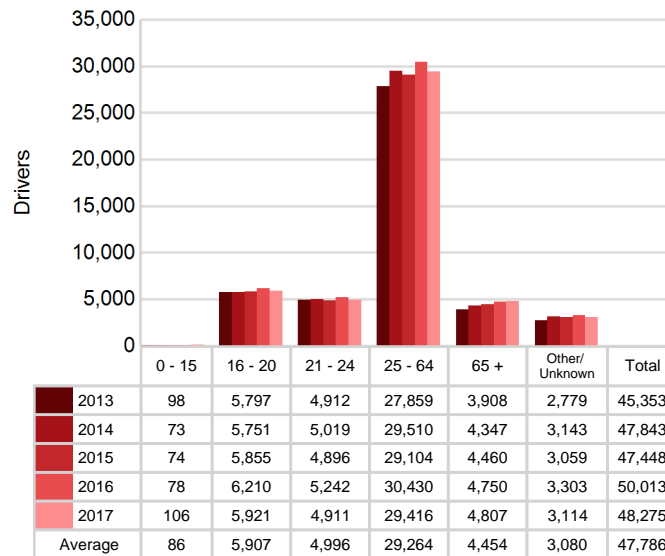
2017 - Reported Motor Vehicle Crashes by County

County	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Hillsdale	1,591	4	230	1,357	0	213	368	1,008	58	15	794	5	303
Jackson	5,398	16	848	4,534	966	339	851	3,238	214	57	1,310	20	1,147
Lenawee	2,382	15	451	1,916	0	499	599	1,284	109	31	612	16	634
Livingston	4,610	16	724	3,870	919	623	608	2,452	212	71	739	23	941
Monroe	3,693	20	657	3,016	528	786	392	1,985	200	43	365	23	920
Washtenaw	11,331	37	1,978	9,316	1,632	2,019	1,083	6,593	341	114	962	39	2,614
Total	29,005	108	4,888	24,009	4,045	4,479	3,901	16,560	1,134	331	4,782	126	6,559

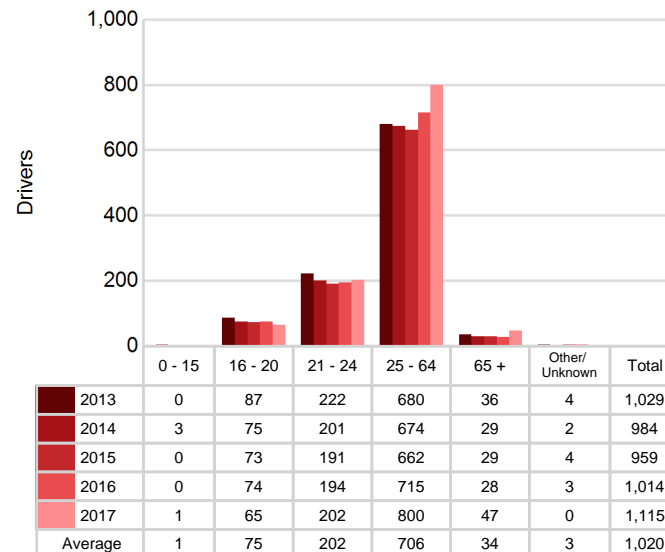
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	98	0	73	3	74	0	78	0	106	1
16 - 20	5,797	87	5,751	75	5,855	73	6,210	74	5,921	65
21 - 24	4,912	222	5,019	201	4,896	191	5,242	194	4,911	202
25 - 64	27,859	680	29,510	674	29,104	662	30,430	715	29,416	800
65 +	3,908	36	4,347	29	4,460	29	4,750	28	4,807	47
Unknown	2,779	4	3,143	2	3,059	4	3,303	3	3,114	0
Total	45,353	1,029	47,843	984	47,448	959	50,013	1,014	48,275	1,115

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



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



Southeast 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	2	0	0	1	0	0	0	0	1
16 - 20	94	80	53	65	0	8	16	10	31
21 - 24	254	182	161	202	5	17	46	40	94
25 - 64	1,059	784	637	800	12	55	169	191	373
65 +	80	60	42	47	1	3	11	16	16
Unknown	96	0	0	0	0	0	0	0	0
Total	1,585	1,106	893	1,115	18	83	242	257	515

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 1,585 drivers in alcohol-involved crashes; 1,115 (70.3%) of those drivers were coded as had-been-drinking by the officer on the crash form.

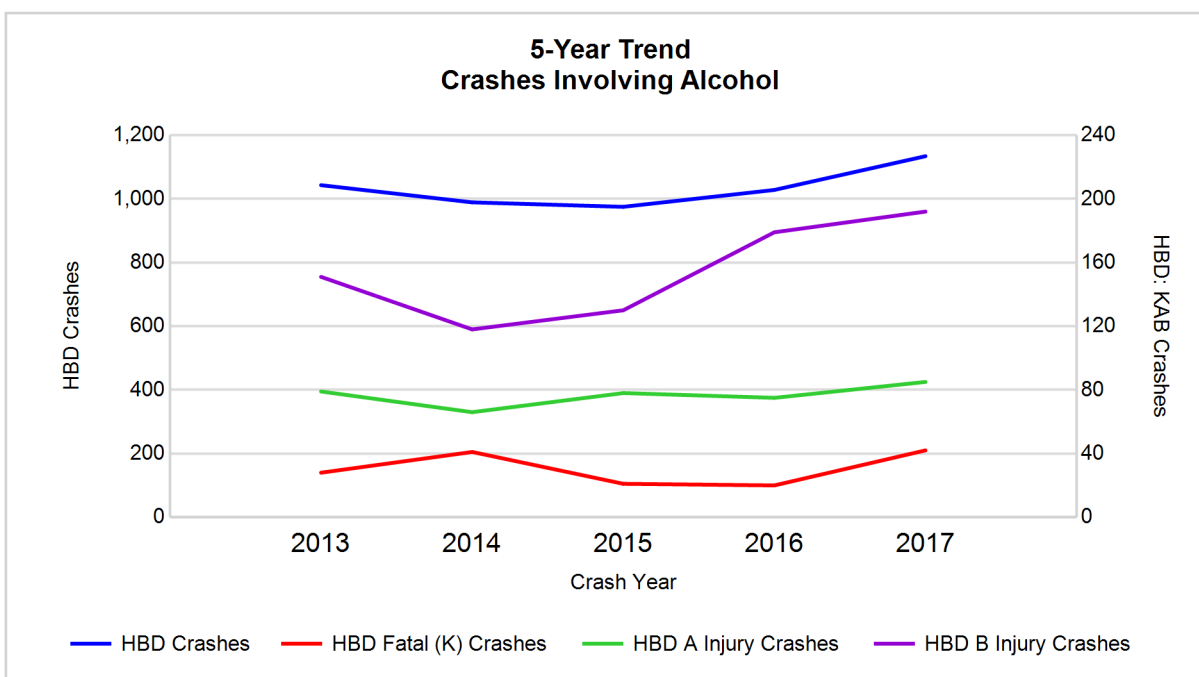
- 499 (44.8%) of the 1,115 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 257 (51.5%) of the 499 drivers had a BAC at or above 0.17 g/dL.
- 893 (80.1%) of the 1,115 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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	28,050	1,043	3.7	105	28	26.7	446	79	17.7	1,366	151	11.1
2014	29,043	989	3.4	103	41	39.8	386	66	17.1	1,274	118	9.3
2015	28,659	975	3.4	78	21	26.9	361	78	21.6	1,328	130	9.8
2016	29,699	1,028	3.5	94	20	21.3	414	75	18.1	1,536	179	11.7
2017	29,005	1,134**	3.9**	108**	42**	38.9	471**	85**	18.0	1,607**	192**	11.9**

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



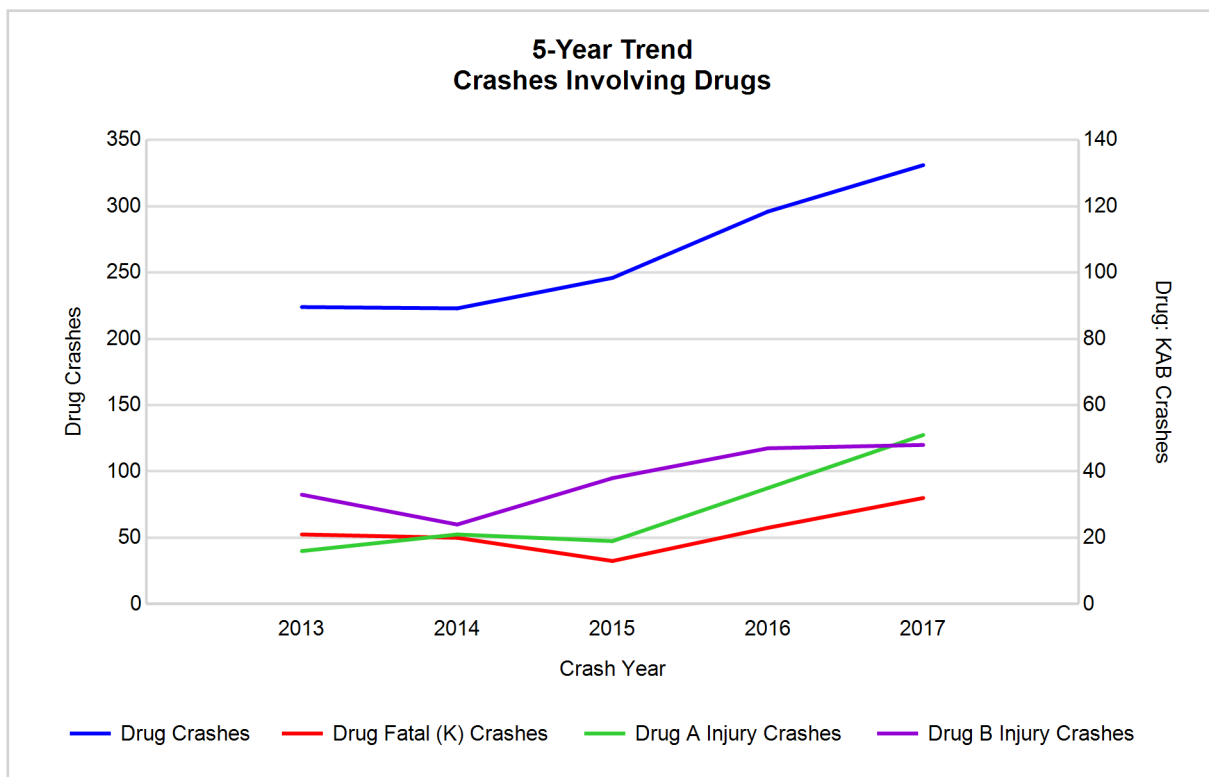
Note: Had-Been-Drinking (HBD)

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	28,050	224	0.8	105	21	20.0	446	16	3.6	1,366	33	2.4
2014	29,043	223	0.8	103	20	19.4	386	21	5.4	1,274	24	1.9
2015	28,659	246	0.9	78	13	16.7	361	19	5.3	1,328	38	2.9
2016	29,699	296	1.0	94	23	24.5	414	35	8.5	1,536	47	3.1
2017	29,005	331**	1.1**	108**	32**	29.6**	471**	51**	10.8**	1,607**	48**	3.0

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



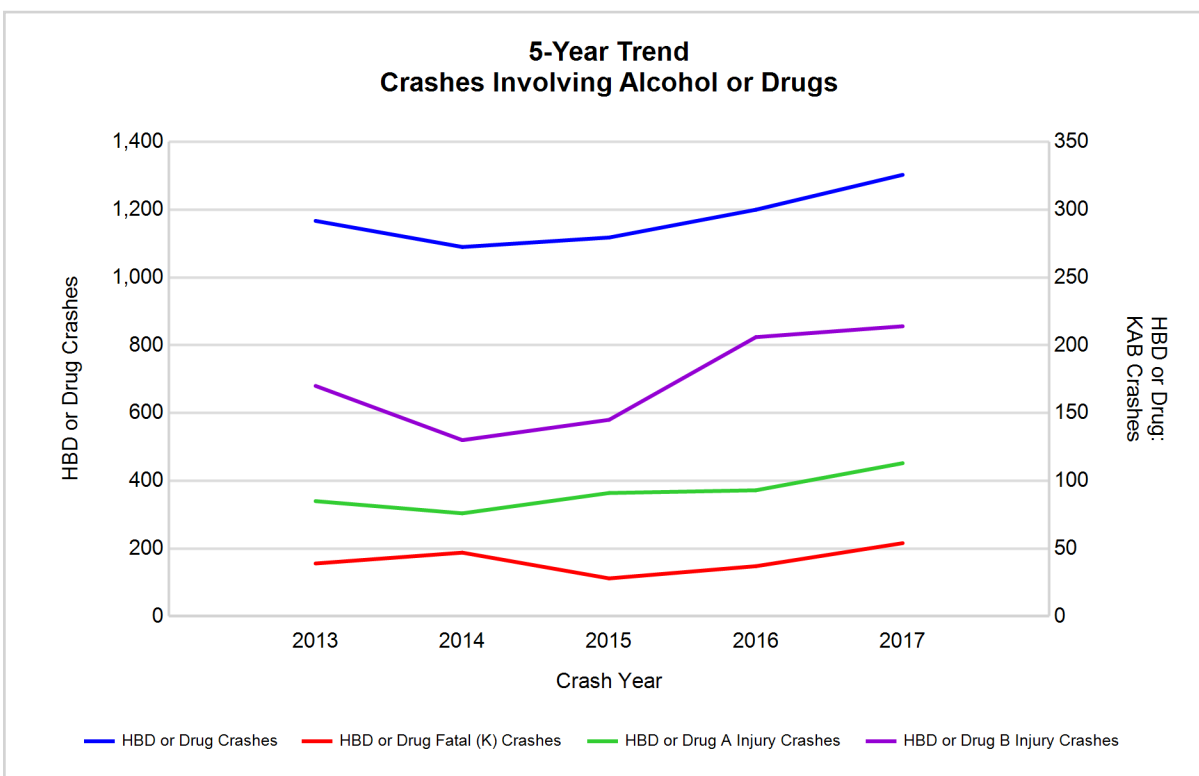
Southeast Michigan Prosperity Region (continued)

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	28,050	1,167	4.2	105	39	37.1	446	85	19.1	1,366	170	12.4
2014	29,043	1,090	3.8	103	47	45.6	386	76	19.7	1,274	130	10.2
2015	28,659	1,118	3.9	78	28	35.9	361	91	25.2	1,328	145	10.9
2016	29,699	1,200	4.0	94	37	39.4	414	93	22.5	1,536	206	13.4
2017	29,005	1,303**	4.5**	108**	54**	50.0**	471**	113**	24.0	1,607**	214**	13.3

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)

Southeast 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	40,451	37,360	92.4	82	51	62.2	364	293	80.5	1,456	1,352	92.9	3,393	3,251	95.8	33,236	32,413	97.5
Motor home	200	190	95.0	2	2	100.0	2	2	100.0	9	5	55.6	18	18	100.0	168	163	97.0
Pickup truck	5,703	5,190	91.0	3	1	33.3	49	38	77.6	210	170	81.0	319	302	94.7	4,830	4,679	96.9
Small truck under 10,000 lbs. GVWR	316	288	91.1	0	0	0.0	1	1	100.0	3	3	100.0	10	8	80.0	287	276	96.2
Motorcycle	348	221	63.5	13	5	38.5	68	37	54.4	133	88	66.2	59	42	71.2	69	49	71.0
Moped / goped	29	12	41.4	1	0	0.0	8	2	25.0	9	3	33.3	5	4	80.0	6	3	50.0
Go-cart / golf cart	4	1	25.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	3	1	33.3
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	23	3	13.0	4	1	25.0	7	0	0.0	5	1	20.0	2	0	0.0	3	1	33.3
Other	188	107	56.9	0	0	0.0	0	0	0.0	5	2	40.0	6	4	66.7	137	101	73.7
Truck/bus over 10,000 lbs.	1,606	1,475	91.8	3	3	100.0	11	4	36.4	34	25	73.5	56	43	76.8	1,436	1,400	97.5
Unknown	820	8	1.0	0	0	0.0	0	0	0.0	1	1	100.0	6	1	16.7	16	6	37.5
Total	49,688	44,855	90.3	108	63	58.3	510	377	73.9	1,866	1,650	88.4	3,874	3,673	94.8	40,191	39,092	97.3

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	468	417	89.1	7	6	85.7	12	10	83.3	57	51	89.5	297	280	94.3	90	70	77.8
16 - 20	6,124	5,911	96.5	6	4	66.7	64	46	71.9	291	261	89.7	496	474	95.6	5,247	5,126	97.7
21 - 24	5,034	4,816	95.7	12	3	25.0	70	53	75.7	233	199	85.4	388	358	92.3	4,320	4,203	97.3
25 - 64	29,986	28,889	96.3	62	37	59.7	299	215	71.9	1,047	910	86.9	2,273	2,166	95.3	26,236	25,561	97.4
65 +	4,961	4,813	97.0	21	13	61.9	65	53	81.5	236	228	96.6	415	395	95.2	4,208	4,124	98.0
Unknown	3,115	9	0.3	0	0	0.0	0	0	0.0	2	1	50.0	5	0	0.0	90	8	8.9
Total	49,688	44,855	90.3	108	63	58.3	510	377	73.9	1,866	1,650	88.4	3,874	3,673	94.8	40,191	39,092	97.3

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.

Southeast Michigan Prosperity Region (continued)

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	156	1	26	160	1	28	122	1	27	97	0	16	77	0	12
Shoulder belt only used	244	1	21	174	1	13	57	0	6	234	0	34	143	0	24
Lap belt only used	71	1	4	108	0	11	106	0	13	115	0	15	85	0	9
Both lap & shoulder belts used	40,636	37	4,007	42,758	36	4,027	42,604	21	4,167	44,497	32	4,414	43,158	44	4,281
No belts used	357	24	135	345	15	132	329	9	106	308	11	122	263	20	118
Child restraint used	1	0	0	0	0	0	3	0	0	1	0	0	6	0	0
Child restraint not used, unavailable or improper use	2	0	0	2	0	0	0	0	0	1	0	0	0	0	0
Restraint failure	10	0	3	7	0	1	7	0	1	6	0	1	9	0	4
Restraint use unknown	1,963	7	111	2,290	9	105	2,112	3	121	3,128	9	156	3,120	4	153
Helmet worn	299	8	212	261	11	180	261	8	175	224	6	160	220	6	161
Helmet not worn	111	3	83	117	9	82	147	8	102	147	11	102	119	10	89
Helmet use unknown	21	0	13	25	0	15	29	2	16	25	0	17	14	0	10
Uncoded & errors	1,482	0	2	1,596	0	1	1,671	0	1	1,230	0	0	1,061	0	0
Total	45,353	82	4,617	47,843	82	4,595	47,448	52	4,735	50,013	69	5,037	48,275	84	4,861

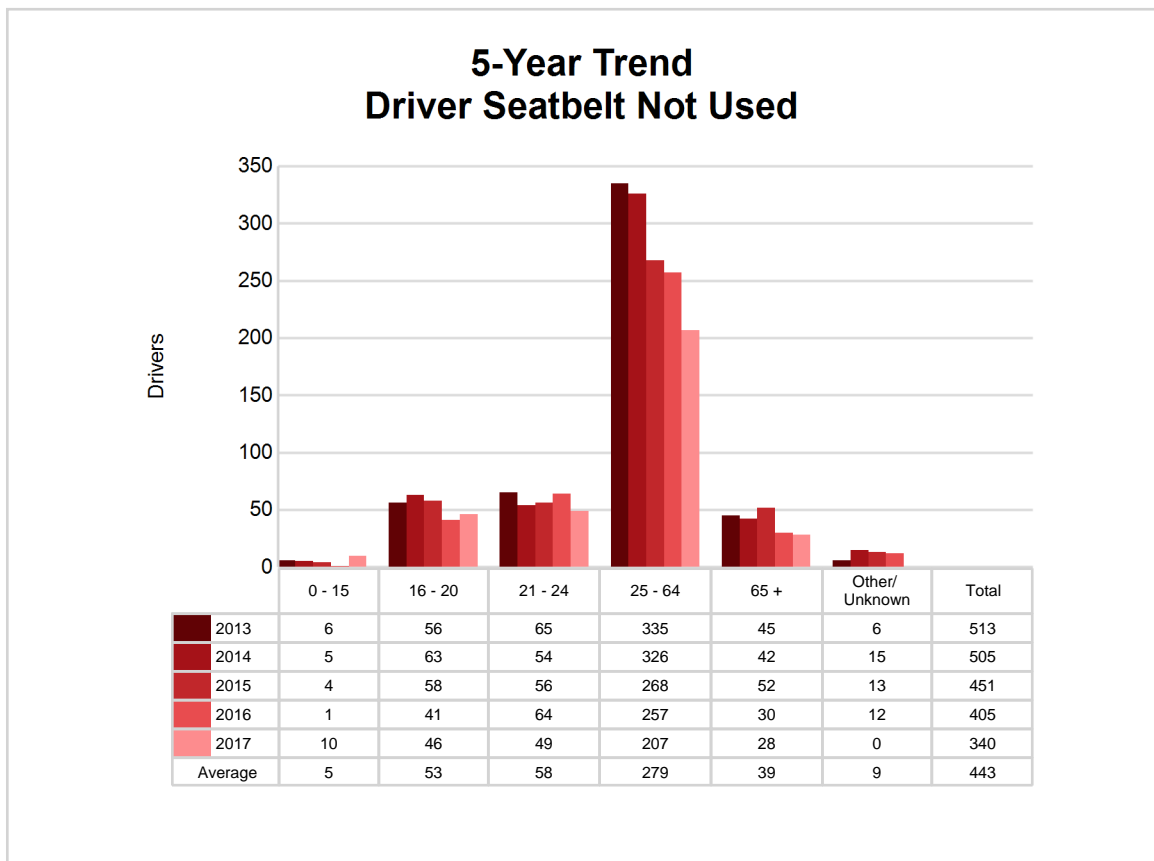
5-Year Trend - Restraint Use Among Drivers Coded Drinking

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	5	7	1	1	8	0	4	3	0	1	1	0	0
Shoulder belt only used	5	0	2	4	1	2	0	0	0	8	0	1	2	0	1
Lap belt only used	1	0	1	2	0	0	4	0	2	3	0	0	1	0	1
Both lap & shoulder belts used	763	6	210	721	9	187	727	2	206	738	2	252	815	7	267
No belts used	72	9	41	72	8	48	53	5	30	61	5	38	71	11	37
Child restraint used	0	0	0	0	0	0	0	0	0	0	0	0	1	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	1	0	1	3	0	0	1	0	1	0	0	0	0	0	0
Restraint use unknown	142	0	39	148	5	39	135	1	50	162	1	64	197	3	60
Helmet worn	14	1	9	11	2	7	10	0	10	12	0	11	9	2	7
Helmet not worn	20	2	16	15	4	8	19	4	14	25	1	23	17	3	14
Helmet use unknown	2	0	1	1	0	1	2	0	1	1	0	1	1	0	1
Uncoded & errors	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Total	1,029	18	325	984	30	293	959	12	318	1,014	9	391	1,115	26	388

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	6	0	3	5	0	3	4	0	3	1	0	0	10	0	4
16 - 20	56	2	19	63	1	22	58	1	17	41	1	15	46	0	21
21 - 24	65	4	17	54	4	18	56	2	24	64	2	25	49	5	23
25 - 64	335	14	112	326	10	105	268	7	76	257	7	83	207	13	76
65 +	45	5	10	42	1	11	52	0	12	30	1	15	28	2	6
Unknown	6	0	0	15	0	1	13	0	1	12	0	0	0	0	0
Total	513	25	161	505	16	160	451	10	133	405	11	138	340	20	130

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



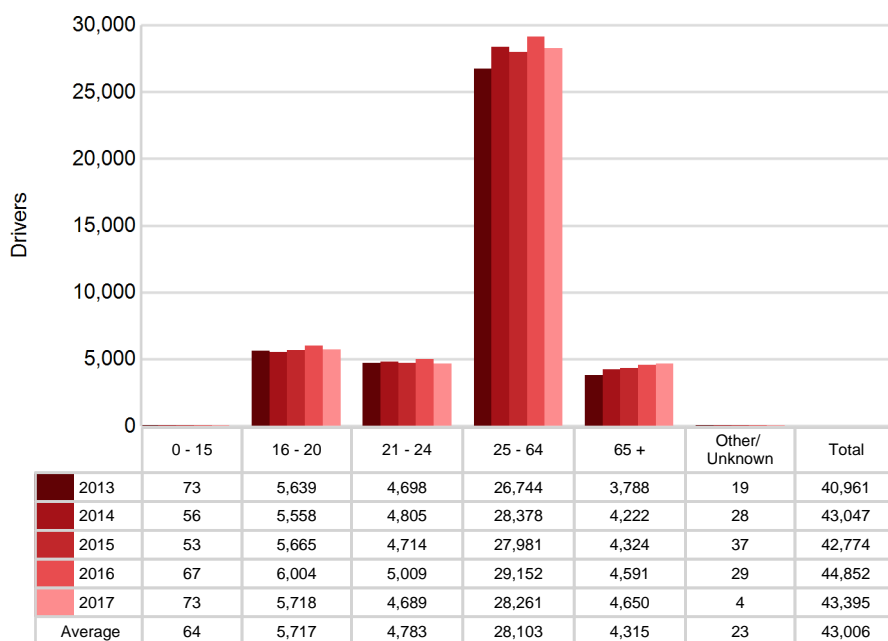
Southeast Michigan Prosperity Region (continued)

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	73	0	9	56	0	8	53	0	6	67	0	7	73	0	6
16 - 20	5,639	2	593	5,558	6	530	5,665	5	583	6,004	3	602	5,718	2	595
21 - 24	4,698	2	480	4,805	5	459	4,714	3	431	5,009	2	506	4,689	3	490
25 - 64	26,744	26	2,537	28,378	15	2,589	27,981	9	2,687	29,152	19	2,814	28,261	28	2,707
65 +	3,788	9	416	4,222	11	464	4,324	4	480	4,591	8	535	4,650	11	520
Unknown	19	0	0	28	0	2	37	0	0	29	0	0	4	0	0
Total	40,961	39	4,035	43,047	37	4,052	42,774	21	4,187	44,852	32	4,464	43,395	44	4,318

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

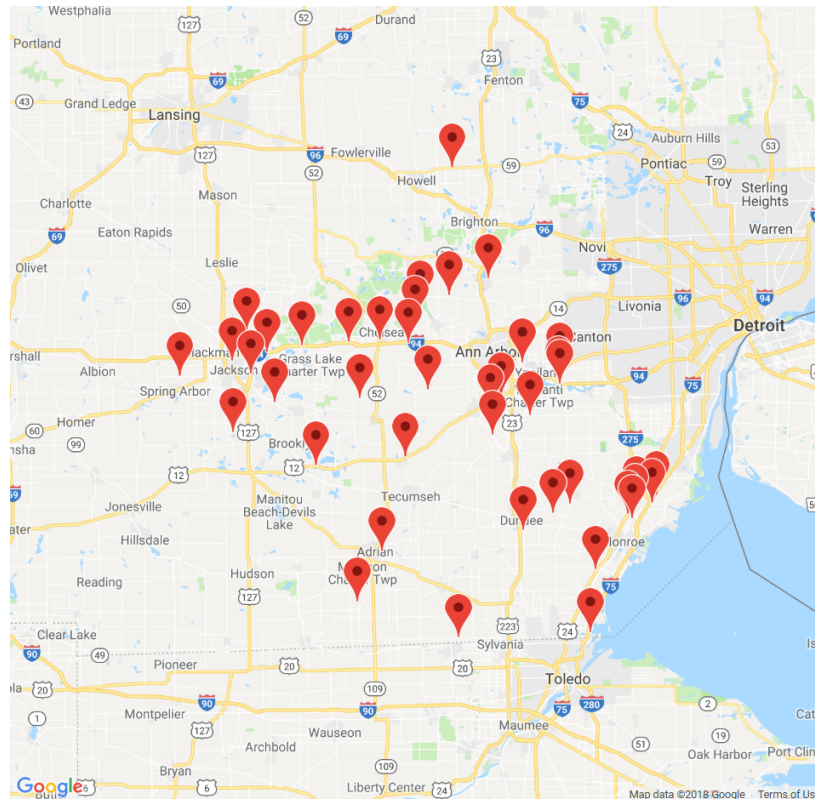
5-Year Trend Driver Seatbelt Used



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	22,921	59	23,883	60	24,205	56	25,061	62	24,085	85
Speed too fast	3,668	16	4,306	22	3,372	19	3,145	21	3,287	16
Speed too slow	35	1	29	0	20	0	16	0	18	0
Failed to yield	3,796	15	4,054	16	4,047	3	4,565	6	4,373	12
Disregard traffic control	556	5	569	6	634	4	684	5	636	5
Drove wrong way	32	0	28	1	20	0	16	0	20	2
Drove left of center	247	14	244	7	274	7	232	5	227	7
Improper passing	235	1	245	0	239	0	236	3	258	3
Improper lane use	912	1	981	1	954	1	1,103	1	1,070	2
Improper turn	379	0	399	1	382	0	438	0	338	1
Improper/no signal	73	1	79	1	83	0	69	0	72	0
Improper backing	719	0	752	0	679	0	654	0	667	0
Unable to stop in assured clear distance	6,232	4	6,435	6	6,699	5	7,499	8	6,949	7
Other	1,442	13	1,437	9	1,326	6	1,345	5	1,347	6
Unknown	1,620	11	1,729	10	1,693	9	1,753	11	1,815	11
Reckless driving	271	9	224	5	264	3	294	5	278	13
Careless/negligent driving	1,628	7	1,805	16	1,982	13	1,892	14	1,696	11
Uncoded & errors	587	4	644	1	575	0	1,011	2	1,139	0
Total	45,353	161	47,843	162	47,448	126	50,013	148	48,275	181

Southeast Michigan Prosperity Region (continued)



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

In 2017, there were 1,134 alcohol-involved crashes in Southeast Michigan Prosperity Region:

- | | |
|-----|--|
| 42 | K - Fatal Crashes |
| 85 | A - Suspected Serious Injury Crashes |
| 192 | B - Suspected Minor Injury Crashes |
| 172 | C - Possible Injury Crashes |
| 643 | O - Property Damage Only/No Injury Crashes |

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