



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 - Southeast Michigan Prosperity Region

2016 Traffic Crash Data & 2012-2016 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 2016* comprehensive cost of traffic crashes was **\$4,020,000,000.**** Fatalities cost **\$1,075,000,000**, injuries cost **\$1,780,000,000**, and 'Property Damage Only' crashes cost **\$1,165,000,000**.

In 2016:

There were 50,013 drivers involved in 29,699 motor vehicle crashes in Southeast Michigan Prosperity Region. Of those crashes, 94 were classified as fatal, resulting in 104 fatalities. An additional 6,793 persons were injured.

Southeast Michigan Prosperity Region experienced the highest number of motor vehicle crashes (3,117) in December, the highest number of fatal crashes (12) in July, September, and October, and the highest number of persons killed (13) in July and October.

Michigan driver statistics indicate 7.1 percent of licensed drivers in Southeast Michigan Prosperity Region were age 16-20, and 12.4 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	2,610	4	356	2,250	4	456
February	2,534	5	398	2,131	6	512
March	2,417	3	396	2,018	3	515
April	2,111	7	366	1,738	8	493
May	2,258	8	463	1,787	8	606
June	2,231	8	430	1,793	9	602
July	2,206	12	479	1,715	13	631
August	2,128	8	439	1,681	9	590
September	2,349	12	504	1,833	12	707
October	2,764	12	444	2,308	13	617
November	2,974	10	403	2,561	12	550
December	3,117	5	403	2,709	7	514
Total	29,699	94	5,081	24,524	104	6,793

2016 - Driver Statistics

Age Group	Southeast Michigan Prosperity Region			Driver Rates	
	2016 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	182,614	5,848	78	4.3	133.4
16 - 20	82,190	53,123	6,210	755.6	1,169.0
21 - 24	68,694	50,991	5,242	763.1	1,028.0
25 - 64	516,551	496,097	30,430	589.1	613.4
65 +	155,230	143,248	4,750	306.0	331.6
Unknown	0	0	3,303	- -	- -
Total	1,005,279	749,307	50,013	497.5	667.5

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	39,835	79.6	85	57.4	7,200	32,550
Motor home	890	1.8	0	0.0	158	732
Pickup truck	5,768	11.5	24	16.2	1,025	4,719
Small truck under 10,000 lbs. GVWR	529	1.1	2	1.4	84	443
Motorcycle	352	0.7	17	11.5	247	88
Moped / goped	42	0.1	1	0.7	31	10
Go-cart / golf cart	7	0.0	0	0.0	4	3
Snowmobile	2	0.0	0	0.0	1	1
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	15	0.0	0	0.0	12	3
Other	226	0.5	1	0.7	39	186
Truck/bus over 10,000 lbs.	1,523	3.0	18	12.2	258	1,247
Unknown	824	1.6	0	0.0	48	776
Total	50,013	100.0	148	100.0	9,107	40,758

Southeast 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	2,897	4	2,672	2	4,008	6	3,337	4	2,610	4
February	2,275	6	2,582	6	2,752	8	2,529	2	2,534	5
March	1,900	9	1,883	11	2,382	5	1,958	3	2,417	3
April	1,737	10	1,752	8	1,698	11	1,731	4	2,111	7
May	2,000	7	2,141	7	2,014	12	2,082	7	2,258	8
June	2,092	17	2,102	9	2,017	15	2,212	10	2,231	8
July	1,805	5	2,015	10	1,911	11	2,063	10	2,206	12
August	1,708	14	1,953	13	1,808	6	1,963	7	2,128	8
September	1,965	8	2,124	10	2,130	9	2,256	8	2,349	12
October	2,692	9	2,817	10	2,733	5	2,790	13	2,764	12
November	2,692	9	2,895	13	3,350	9	3,286	3	2,974	10
December	2,877	10	3,114	6	2,240	6	2,452	7	3,117	5
Total	26,640	108	28,050	105	29,043	103	28,659	78	29,699	94

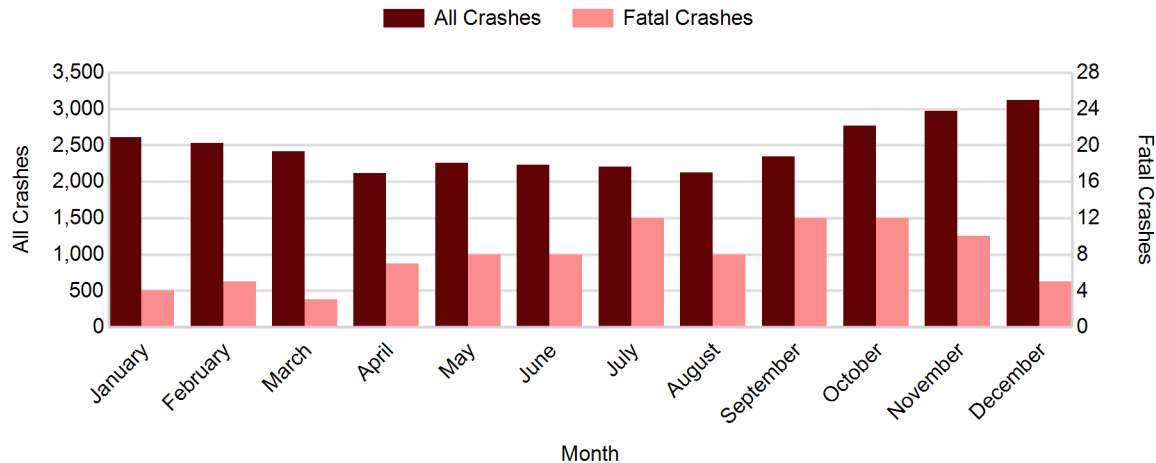
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

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	3,868	11	4,241	14	3,890	10	4,231	6	4,054	17
Tuesday	3,738	20	4,171	9	4,193	10	4,300	6	4,605	16
Wednesday	3,813	11	4,136	17	4,671	17	4,458	21	4,762	10
Thursday	3,845	14	4,170	13	4,918	12	4,115	12	4,708	9
Friday	4,901	19	4,616	24	4,764	20	4,635	14	5,082	16
Saturday	3,636	20	3,776	13	3,670	17	3,945	8	3,610	15
Sunday	2,839	13	2,940	15	2,937	17	2,975	11	2,878	11
Total	26,640	108	28,050	105	29,043	103	28,659	78	29,699	94

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

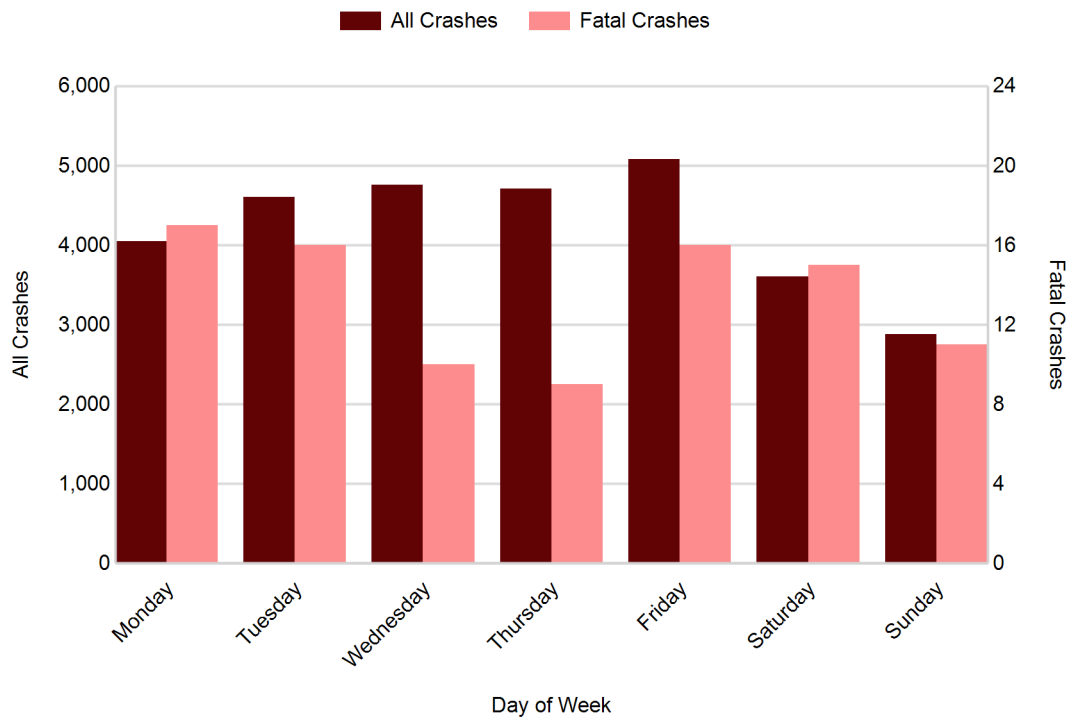
2016 Crashes by Month



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	4,054	13.7	17	18.1	57	210	444	3,326
Tuesday	4,605	15.5	16	17.0	55	227	487	3,820
Wednesday	4,762	16.0	10	10.6	53	214	491	3,994
Thursday	4,708	15.9	9	9.6	63	205	521	3,910
Friday	5,082	17.1	16	17.0	66	266	509	4,225
Saturday	3,610	12.2	15	16.0	66	222	374	2,933
Sunday	2,878	9.7	11	11.7	54	192	305	2,316
Total	29,699	100.0	94	100.0	414	1,536	3,131	24,524

2016 Day of Week and Severity

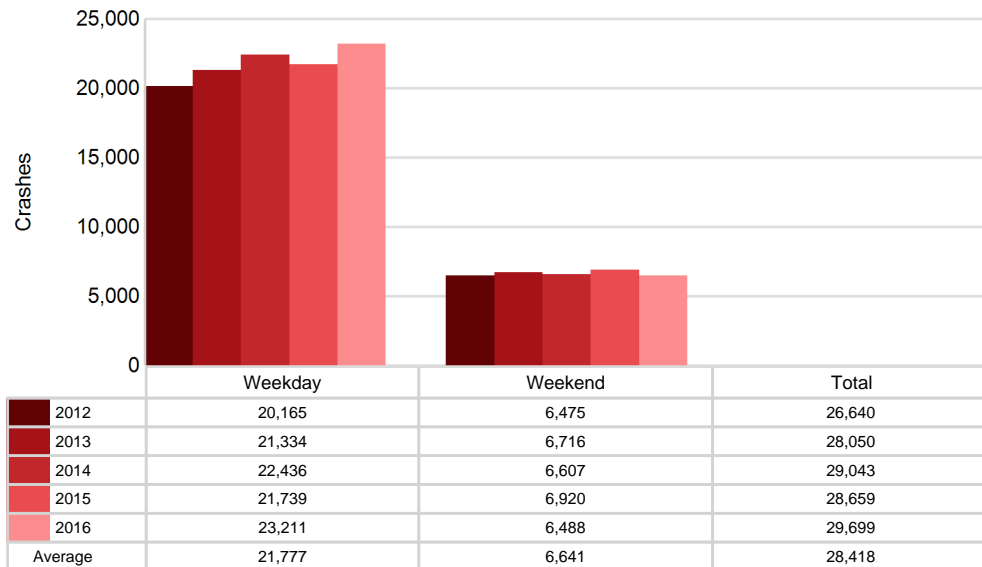


Southeast Michigan Prosperity Region (continued)

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	20,165	75	21,334	77	22,436	69	21,739	59	23,211	68
Weekend	6,475	33	6,716	28	6,607	34	6,920	19	6,488	26
Total	26,640	108	28,050	105	29,043	103	28,659	78	29,699	94

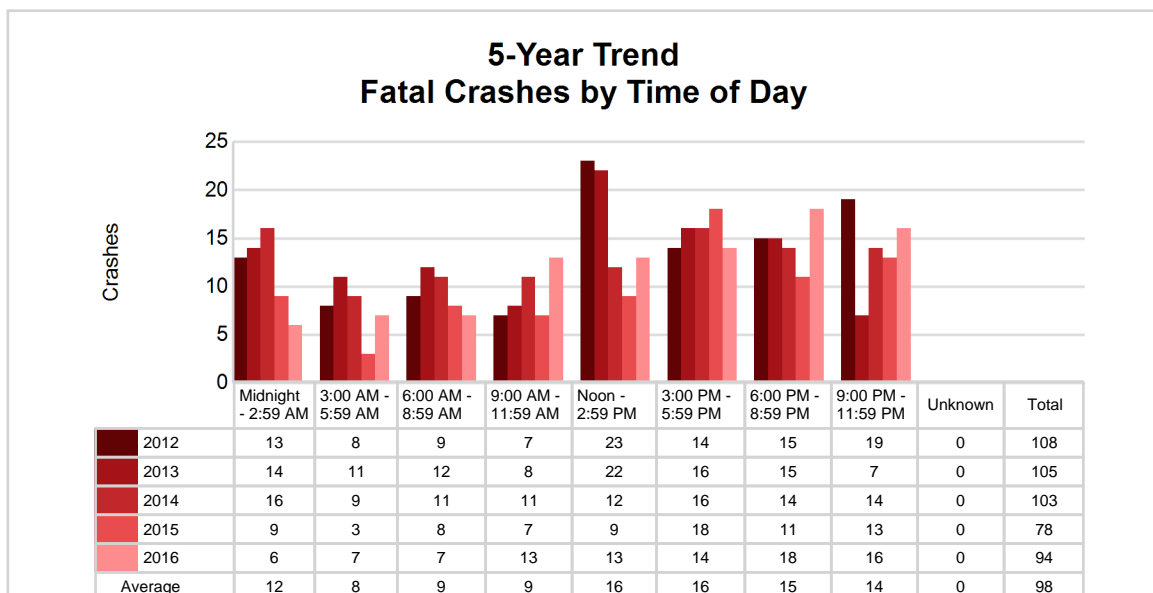
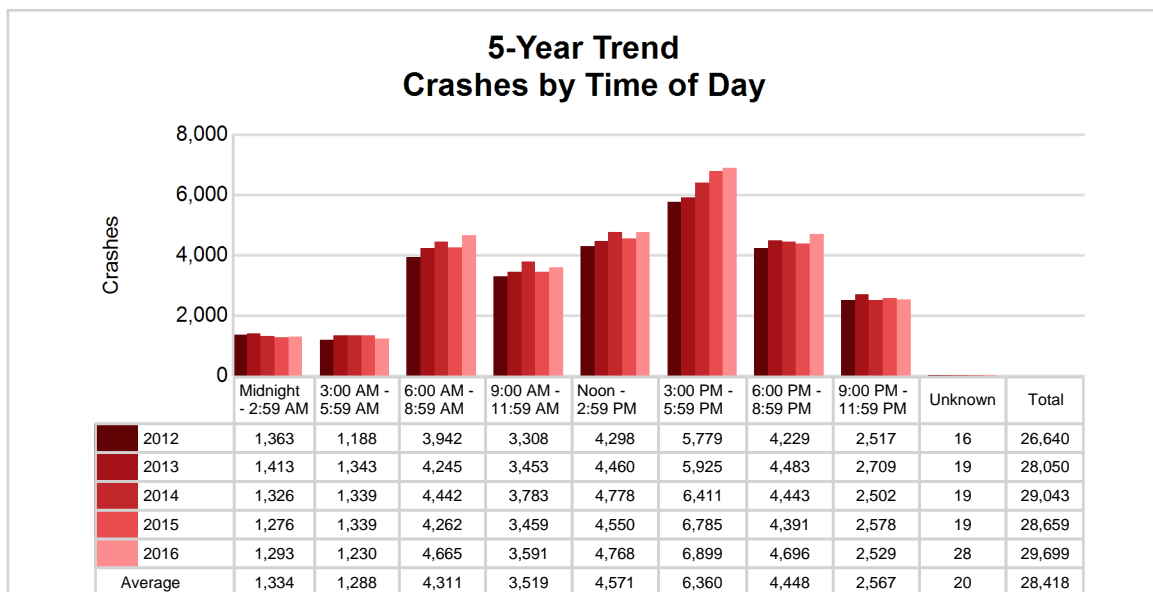
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



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	1,363	13	1,413	14	1,326	16	1,276	9	1,293	6
3:00 AM - 5:59 AM	1,188	8	1,343	11	1,339	9	1,339	3	1,230	7
6:00 AM - 8:59 AM	3,942	9	4,245	12	4,442	11	4,262	8	4,665	7
9:00 AM - 11:59 AM	3,308	7	3,453	8	3,783	11	3,459	7	3,591	13
Noon - 2:59 PM	4,298	23	4,460	22	4,778	12	4,550	9	4,768	13
3:00 PM - 5:59 PM	5,779 †	14	5,925 †	16	6,411 †	16	6,785 †	18	6,899 †	14
6:00 PM - 8:59 PM	4,229	15	4,483	15	4,443	14	4,391	11	4,696	18
9:00 PM - 11:59 PM	2,517	19	2,709	7	2,502	14	2,578	13	2,529	16
Unknown	16	0	19	0	19	0	19	0	28	0
Total	26,640	108	28,050	105	29,043	103	28,659	78	29,699	94

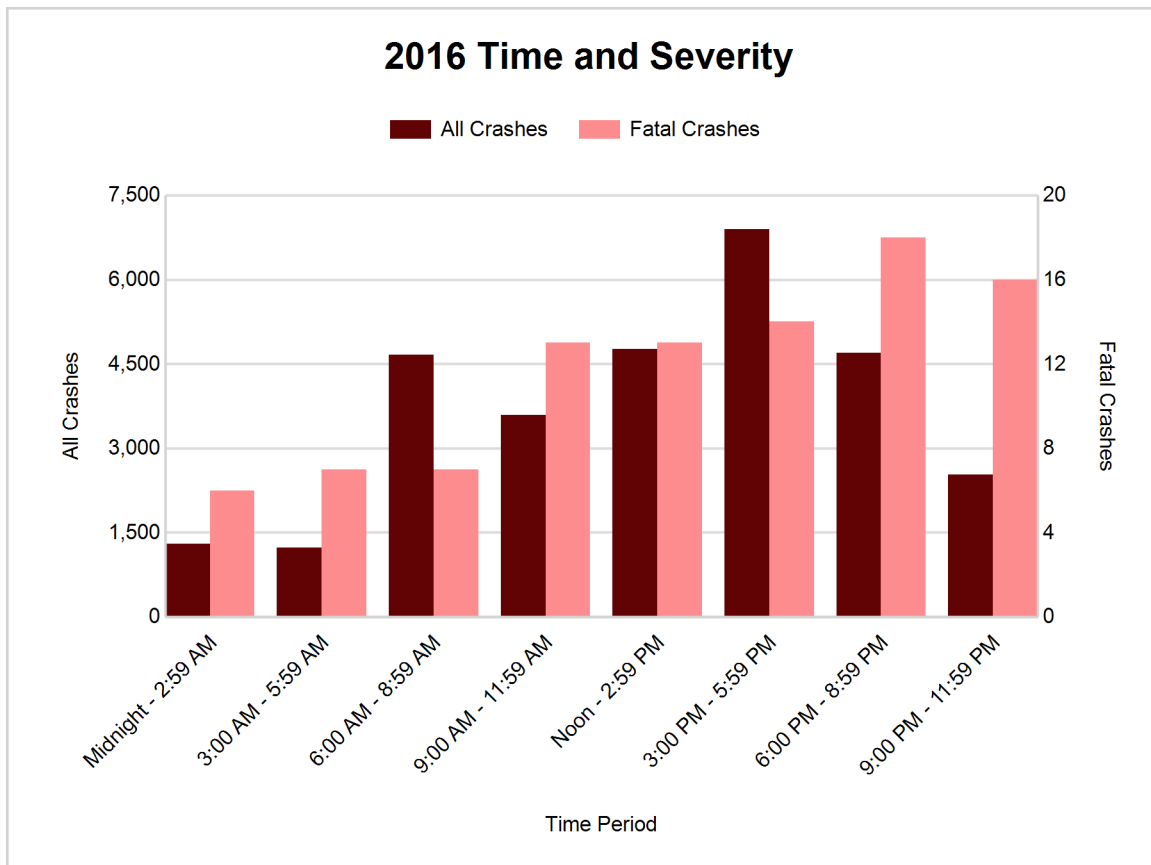
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period



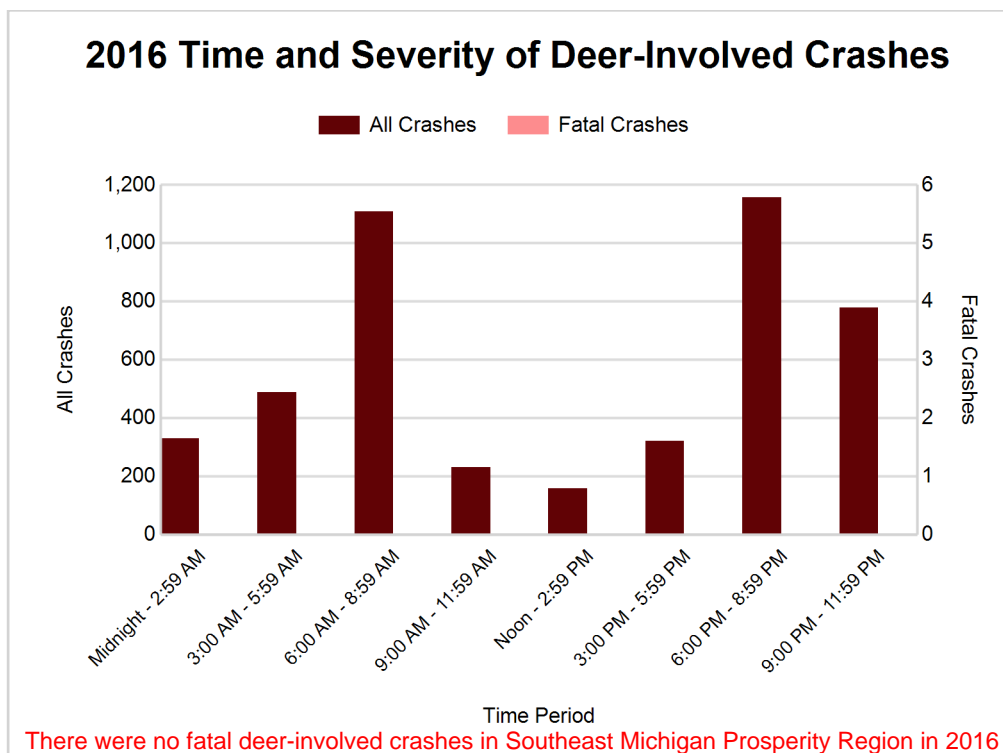
Southeast Michigan Prosperity Region (continued)

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	1,293	4.4	6	6.4	33	110	109	1,035
3:00 AM - 5:59 AM	1,230	4.1	7	7.4	18	64	94	1,047
6:00 AM - 8:59 AM	4,665	15.7	7	7.4	49	208	431	3,970
9:00 AM - 11:59 AM	3,591	12.1	13	13.8	42	188	391	2,957
Noon - 2:59 PM	4,768	16.1	13	13.8	64	248	606	3,837
3:00 PM - 5:59 PM	6,899	23.2	14	14.9	85	349	829	5,622
6:00 PM - 8:59 PM	4,696	15.8	18	19.1	63	246	449	3,920
9:00 PM - 11:59 PM	2,529	8.5	16	17.0	59	121	221	2,112
Unknown	28	0.1	0	0.0	1	2	1	24
Total	29,699	100.0	94	100.0	414	1,536	3,131	24,524



Southeast Michigan Prosperity Region (continued)



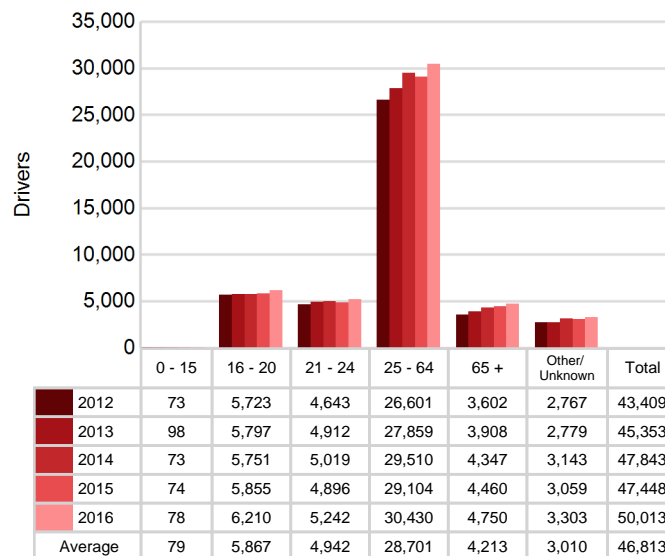
2016 - Reported Motor Vehicle Crashes by County

County	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Hillsdale	1,634	5	196	1,433	0	233	370	1,029	51	14	827	5	258
Jackson	5,263	16	846	4,401	942	330	853	3,120	188	51	1,254	18	1,120
Lenawee	2,413	14	477	1,922	0	522	572	1,317	75	28	553	16	648
Livingston	4,929	20	788	4,121	1,029	658	672	2,556	202	47	621	22	1,046
Monroe	3,758	16	665	3,077	582	721	420	2,020	183	53	352	18	930
Washtenaw	11,702	23	2,109	9,570	1,752	1,979	967	6,998	329	103	961	25	2,791
Total	29,699	94	5,081	24,524	4,305	4,443	3,854	17,040	1,028	296	4,568	104	6,793

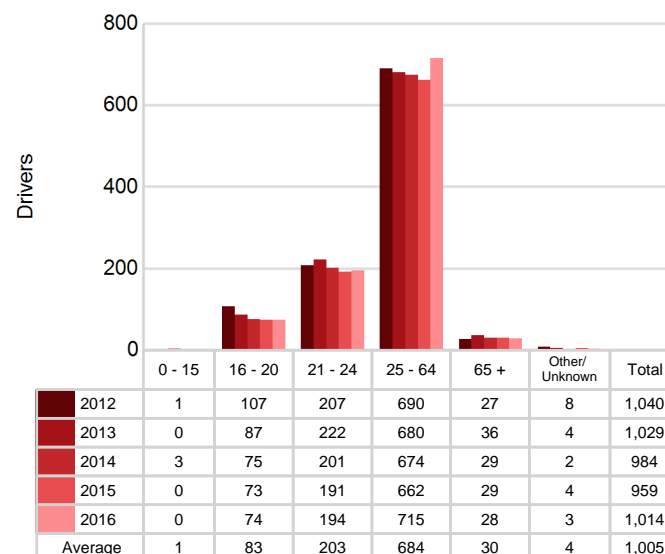
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	73	1	98	0	73	3	74	0	78	0
16 - 20	5,723	107	5,797	87	5,751	75	5,855	73	6,210	74
21 - 24	4,643	207	4,912	222	5,019	201	4,896	191	5,242	194
25 - 64	26,601	690	27,859	680	29,510	674	29,104	662	30,430	715
65 +	3,602	27	3,908	36	4,347	29	4,460	29	4,750	28
Unknown	2,767	8	2,779	4	3,143	2	3,059	4	3,303	3
Total	43,409	1,040	45,353	1,029	47,843	984	47,448	959	50,013	1,014

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



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



Southeast 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	106	100	63	74	4	12	23	10	25
21 - 24	233	202	161	194	3	16	54	49	72
25 - 64	945	770	603	715	10	61	174	195	275
65 +	57	45	25	28	1	4	11	5	7
Unknown	93	3	1	3	0	0	1	0	2
Total	1,434	1,120	853	1,014	18	93	263	259	381

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 1,434 drivers in alcohol-involved crashes; 1,014 (70.7%) of those drivers were coded as had-been-drinking by the officer on the crash form.

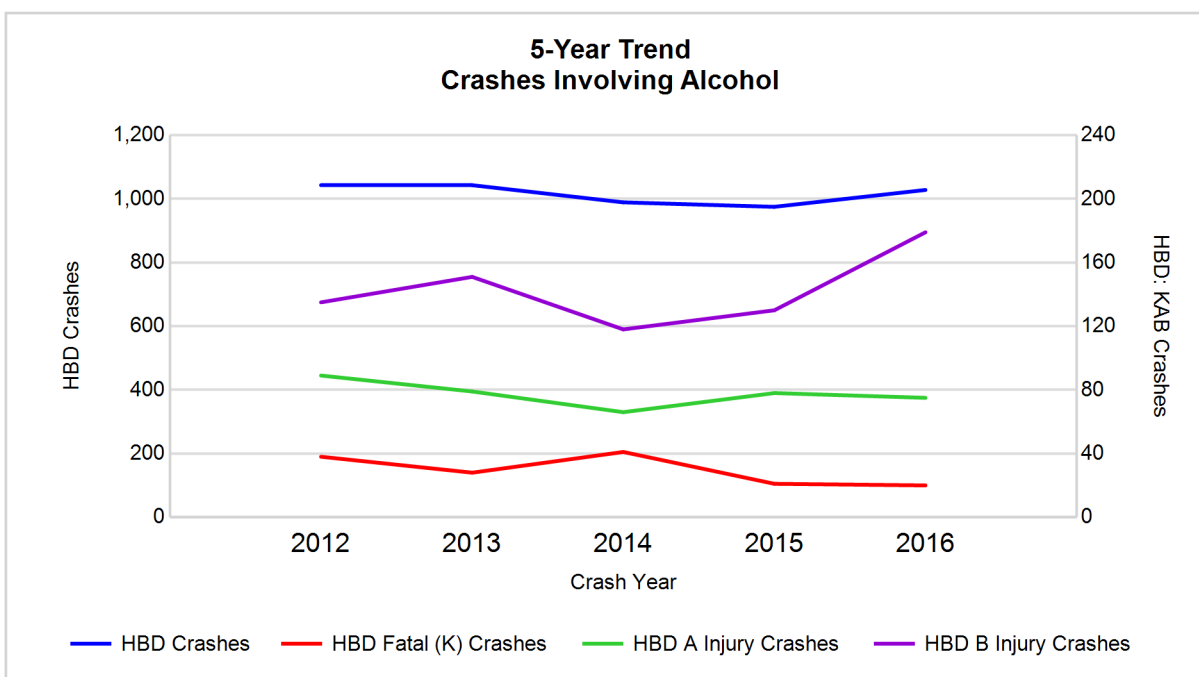
- 522 (51.5%) of the 1,014 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 259 (49.6%) of the 522 drivers had a BAC at or above 0.17 g/dL.
- 853 (84.1%) of the 1,014 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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	26,640	1,043	3.9	108	38	35.2	442	89	20.1	1,350	135	10.0
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**

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



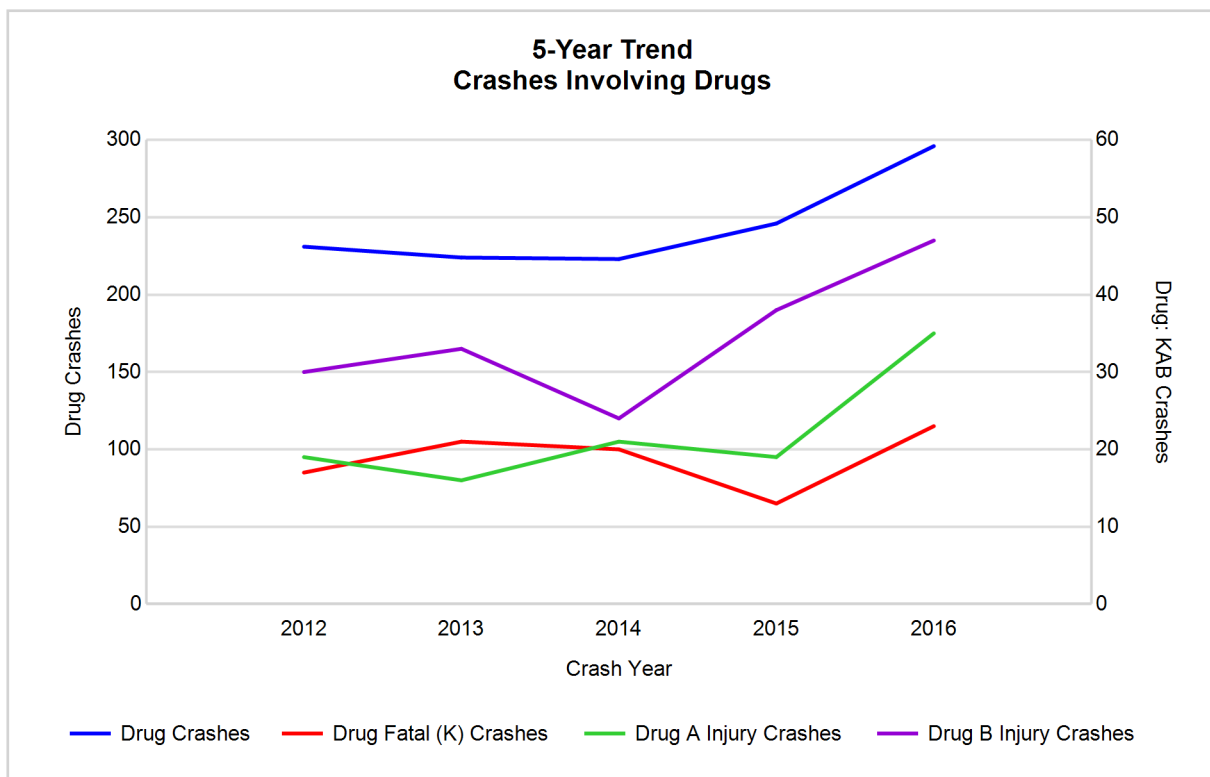
Note: Had-Been-Drinking (HBD)

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	26,640	231	0.9	108	17	15.7	442	19	4.3	1,350	30	2.2
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**

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



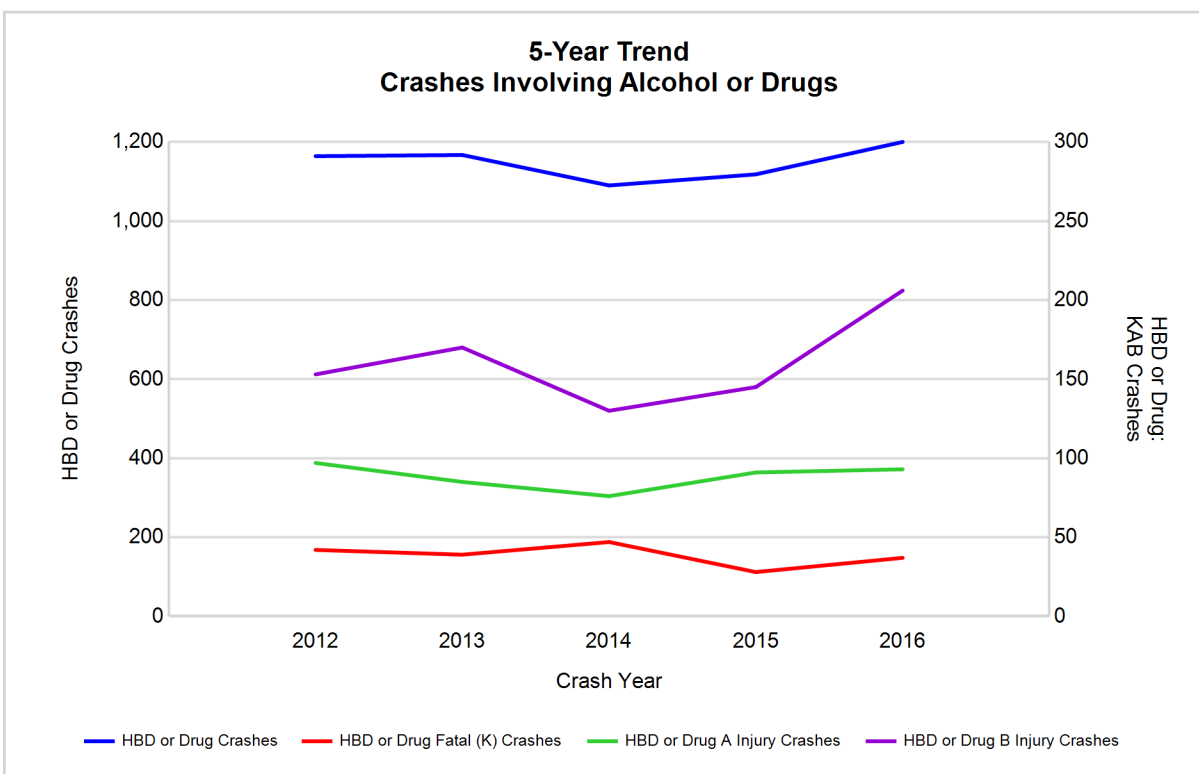
Southeast Michigan Prosperity Region (continued)

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
2012	26,640	1,164	4.4	108	42	38.9	442	97	21.9	1,350	153	11.3
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**

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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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	41,050	37,878	92.3	42	31	73.8	285	236	82.8	1,328	1,207	90.9	3,661	3,493	95.4	33,863	32,906	97.2
Motor home	926	862	93.1	0	0	0.0	2	0	0.0	36	34	94.4	75	74	98.7	770	754	97.9
Pickup truck	5,892	5,335	90.5	13	4	30.8	49	37	75.5	160	143	89.4	378	342	90.5	4,993	4,808	96.3
Small truck under 10,000 lbs. GVWR	537	488	90.9	1	0	0.0	5	3	60.0	17	13	76.5	31	27	87.1	455	445	97.8
Motorcycle	383	229	59.8	20	8	40.0	63	31	49.2	124	84	67.7	75	50	66.7	85	55	64.7
Moped / goped	45	14	31.1	1	0	0.0	10	5	50.0	16	7	43.8	8	1	12.5	8	1	12.5
Go-cart / golf cart	9	4	44.4	0	0	0.0	2	1	50.0	2	1	50.0	0	0	0.0	2	2	100.0
Snowmobile	2	2	100.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	1	1	100.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	17	1	5.9	0	0	0.0	9	1	11.1	5	0	0.0	0	0	0.0	3	0	0.0
Other	229	109	47.6	0	0	0.0	4	0	0.0	2	1	50.0	14	7	50.0	142	101	71.1
Truck/bus over 10,000 lbs.	1,539	1,395	90.6	5	3	60.0	11	8	72.7	20	16	80.0	51	38	74.5	1,378	1,330	96.5
Unknown	824	10	1.2	0	0	0.0	0	0	0.0	0	0	0.0	2	1	50.0	26	6	23.1
Total	51,453	46,327	90.0	82	46	56.1	441	323	73.2	1,710	1,506	88.1	4,295	4,033	93.9	41,726	40,409	96.8

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	439	398	90.7	0	0	0.0	22	17	77.3	76	70	92.1	273	251	91.9	66	60	90.9
16 - 20	6,434	6,209	96.5	8	5	62.5	58	47	81.0	271	240	88.6	546	511	93.6	5,545	5,405	97.5
21 - 24	5,364	5,147	96.0	7	3	42.9	56	40	71.4	239	208	87.0	405	383	94.6	4,649	4,511	97.0
25 - 64	30,987	29,765	96.1	54	27	50.0	259	180	69.5	909	794	87.3	2,571	2,410	93.7	27,151	26,352	97.1
65 +	4,921	4,778	97.1	13	11	84.6	46	39	84.8	215	194	90.2	496	478	96.4	4,148	4,056	97.8
Unknown	3,308	30	0.9	0	0	0.0	0	0	0.0	0	0	0.0	4	0	0.0	167	25	15.0
Total	51,453	46,327	90.0	82	46	56.1	441	323	73.2	1,710	1,506	88.1	4,295	4,033	93.9	41,726	40,409	96.8

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	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	199	1	29	156	1	26	160	1	28	122	1	27	97	0	16
Shoulder belt only used	64	0	12	244	1	21	174	1	13	57	0	6	234	0	34
Lap belt only used	94	0	14	71	1	4	108	0	11	106	0	13	115	0	15
Both lap & shoulder belts used	38,845	31	4,135	40,636	37	4,007	42,758	36	4,027	42,604	21	4,167	44,497	32	4,414
No belts used	375	21	140	357	24	135	345	15	132	329	9	106	308	11	122
Child restraint used	1	0	0	1	0	0	0	0	0	3	0	0	1	0	0
Child restraint not used, unavailable or improper use	1	0	0	2	0	0	2	0	0	0	0	0	1	0	0
Restraint failure	11	0	1	10	0	3	7	0	1	7	0	1	6	0	1
Restraint use unknown	1,833	8	108	1,963	7	111	2,290	9	105	2,112	3	121	3,128	9	156
Helmet worn	324	9	233	299	8	212	261	11	180	261	8	175	224	6	160
Helmet not worn	109	6	82	111	3	83	117	9	82	147	8	102	147	11	102
Helmet use unknown	19	1	9	21	0	13	25	0	15	29	2	16	25	0	17
Uncoded & errors	1,534	0	4	1,482	0	2	1,596	0	1	1,671	0	1	1,230	0	0
Total	43,409	77	4,767	45,353	82	4,617	47,843	82	4,595	47,448	52	4,735	50,013	69	5,037

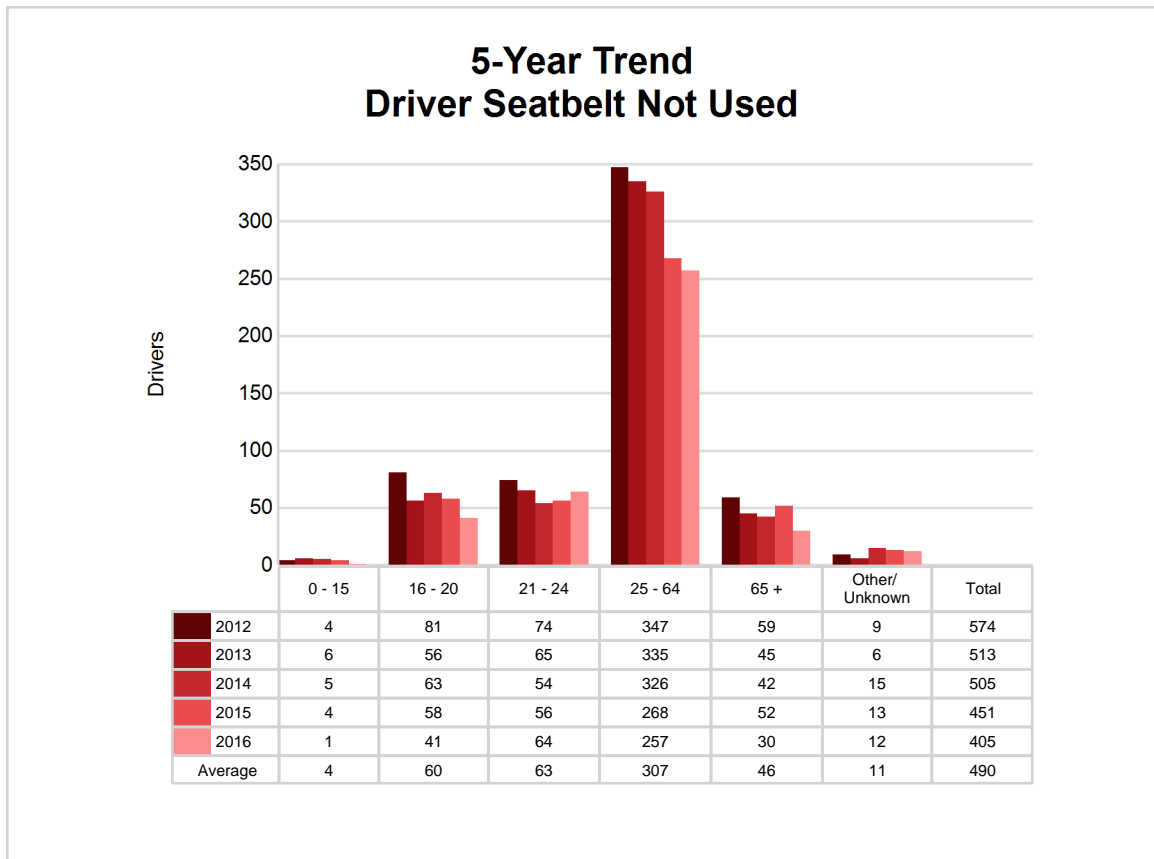
5-Year Trend - Restraint Use Among Drivers Coded Drinking

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	4	0	2	9	0	5	7	1	1	8	0	4	3	0	1
Shoulder belt only used	3	0	3	5	0	2	4	1	2	0	0	0	8	0	1
Lap belt only used	3	0	3	1	0	1	2	0	0	4	0	2	3	0	0
Both lap & shoulder belts used	762	7	224	763	6	210	721	9	187	727	2	206	738	2	252
No belts used	88	10	52	72	9	41	72	8	48	53	5	30	61	5	38
Child restraint used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child restraint not used, unavailable or improper use	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint failure	0	0	0	1	0	1	3	0	0	1	0	1	0	0	0
Restraint use unknown	135	3	37	142	0	39	148	5	39	135	1	50	162	1	64
Helmet worn	16	3	12	14	1	9	11	2	7	10	0	10	12	0	11
Helmet not worn	19	3	14	20	2	16	15	4	8	19	4	14	25	1	23
Helmet use unknown	3	1	1	2	0	1	1	0	1	2	0	1	1	0	1
Uncoded & errors	7	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Total	1,040	27	348	1,029	18	325	984	30	293	959	12	318	1,014	9	391

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	4	0	0	6	0	3	5	0	3	4	0	3	1	0	0
16 - 20	81	2	29	56	2	19	63	1	22	58	1	17	41	1	15
21 - 24	74	4	24	65	4	17	54	4	18	56	2	24	64	2	25
25 - 64	347	13	98	335	14	112	326	10	105	268	7	76	257	7	83
65 +	59	3	17	45	5	10	42	1	11	52	0	12	30	1	15
Unknown	9	0	1	6	0	0	15	0	1	13	0	1	12	0	0
Total	574	22	169	513	25	161	505	16	160	451	10	133	405	11	138

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



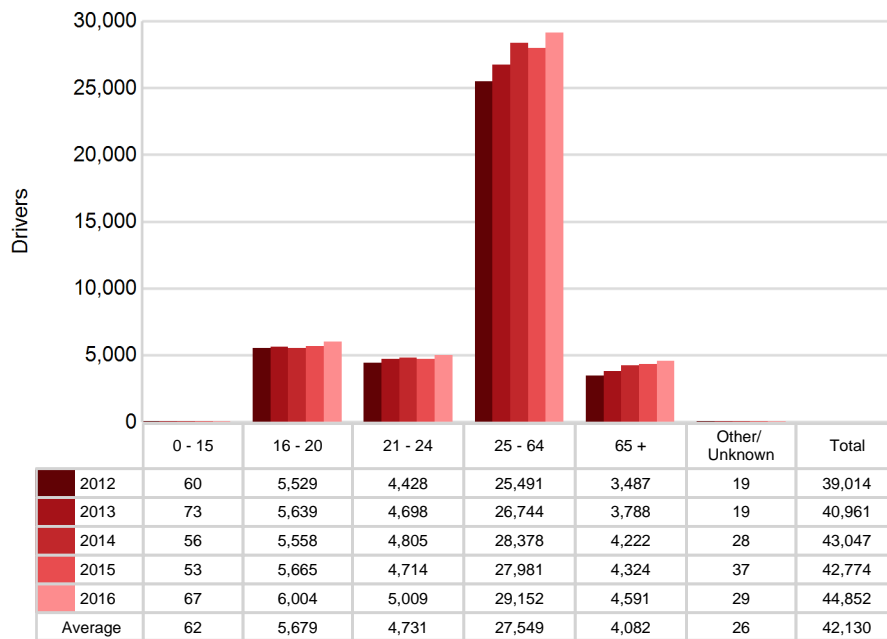
Southeast Michigan Prosperity Region (continued)

5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	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	60	0	6	73	0	9	56	0	8	53	0	6	67	0	7
16 - 20	5,529	4	645	5,639	2	593	5,558	6	530	5,665	5	583	6,004	3	602
21 - 24	4,428	6	452	4,698	2	480	4,805	5	459	4,714	3	431	5,009	2	506
25 - 64	25,491	14	2,680	26,744	26	2,537	28,378	15	2,589	27,981	9	2,687	29,152	19	2,814
65 +	3,487	7	378	3,788	9	416	4,222	11	464	4,324	4	480	4,591	8	535
Unknown	19	0	1	19	0	0	28	0	2	37	0	0	29	0	0
Total	39,014	31	4,162	40,961	39	4,035	43,047	37	4,052	42,774	21	4,187	44,852	32	4,464

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	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	21,661	59	22,921	59	23,883	60	24,205	56	25,061	62
Speed too fast	3,511	27	3,668	16	4,306	22	3,372	19	3,145	21
Speed too slow	18	1	35	1	29	0	20	0	16	0
Failed to yield	3,690	11	3,796	15	4,054	16	4,047	3	4,565	6
Disregard traffic control	563	4	556	5	569	6	634	4	684	5
Drove wrong way	33	0	32	0	28	1	20	0	16	0
Drove left of center	256	5	247	14	244	7	274	7	232	5
Improper passing	212	1	235	1	245	0	239	0	236	3
Improper lane use	930	0	912	1	981	1	954	1	1,103	1
Improper turn	329	0	379	0	399	1	382	0	438	0
Improper/no signal	82	0	73	1	79	1	83	0	69	0
Improper backing	661	0	719	0	752	0	679	0	654	0
Unable to stop in assured clear distance	6,042	11	6,232	4	6,435	6	6,699	5	7,499	8
Other	1,316	8	1,442	13	1,437	9	1,326	6	1,345	5
Unknown	1,460	12	1,620	11	1,729	10	1,693	9	1,753	11
Reckless driving	318	5	271	9	224	5	264	3	294	5
Careless/negligent driving	1,692	16	1,628	7	1,805	16	1,982	13	1,892	14
Uncoded & errors	635	1	587	4	644	1	575	0	1,011	2
Total	43,409	161	45,353	161	47,843	162	47,448	126	50,013	148

Southeast Michigan Prosperity Region (continued)



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

In 2016, there were 1,028 alcohol-involved crashes in Southeast Michigan Prosperity Region:

- | | |
|-----|--|
| 20 | K - Fatal Crashes |
| 75 | A - Suspected Serious Injury Crashes |
| 179 | B - Suspected Minor Injury Crashes |
| 214 | C - Possible Injury Crashes |
| 540 | O - Property Damage Only/No Injury Crashes |



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