



2015

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 Central Michigan Prosperity Region

2015 Traffic Crash Data & 2011-2015 5-Year Trends

Prosperity Region - 5 is comprised of Arenac, Bay, Clare, Gladwin, Gratiot, Isabella, Midland, and Saginaw counties. Trend tables for this report are based on those counties.

5. East Central 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 Central Michigan Prosperity Region Experience

The 2015* comprehensive cost of traffic crashes was **\$2,510,000,000.**** Fatalities cost **\$815,000,000**, injuries cost **\$1,025,000,000**, and 'Property Damage Only' crashes cost **\$670,000,000**.

In 2015:

There were 26,167 drivers involved in 17,203 motor vehicle crashes in East Central Michigan Prosperity Region. Of those crashes, 74 were classified as fatal, resulting in 81 fatalities. An additional 3,891 persons were injured.

East Central Michigan Prosperity Region experienced the highest number of motor vehicle crashes (2,113) in November, the highest number of fatal crashes (15) and the highest number of persons killed (18) in July.

Michigan driver statistics indicate 6.5 percent of licensed drivers in East Central Michigan Prosperity Region were age 16-20, and 12.1 percent of drivers in crashes were also in that age group.

* 2015 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.

2015 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	1,797	3	263	1,531	3	377
February	1,291	2	184	1,105	2	268
March	1,194	2	160	1,032	2	220
April	1,119	5	175	939	5	245
May	1,321	7	222	1,092	8	323
June	1,324	7	210	1,107	7	299
July	1,215	15	278	922	18	394
August	1,106	6	240	860	7	332
September	1,292	6	231	1,055	6	338
October	1,934	6	274	1,654	6	425
November	2,113	10	239	1,864	12	327
December	1,497	5	241	1,251	5	343
Total	17,203	74	2,717	14,412	81	3,891

2015 - Driver Statistics

Age Group	East Central Michigan Prosperity Region			Driver Rates	
	2015 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	102,063	3,238	53	5.2	163.7
16 - 20	42,907	26,282	3,173	739.5	1,207.3
21 - 24	36,908	26,820	2,716	735.9	1,012.7
25 - 64	283,910	259,165	15,799	556.5	609.6
65 +	100,026	89,879	3,170	316.9	352.7
Unknown	0	0	1,256	- -	- -
Total	565,814	405,384	26,167	462.5	645.5

2015 - 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	19,423	74.2	61	56.0	3,401	15,961
Motor home	1,054	4.0	2	1.8	196	856
Pickup truck	4,264	16.3	29	26.6	682	3,553
Small truck under 10,000 lbs. GVWR	434	1.7	1	0.9	100	333
Motorcycle	176	0.7	8	7.3	124	44
Moped / goped	23	0.1	0	0.0	19	4
Go-cart / golf cart	2	0.0	0	0.0	2	0
Snowmobile	4	0.0	0	0.0	3	1
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	22	0.1	1	0.9	18	3
Other	90	0.3	2	1.8	22	66
Truck/bus over 10,000 lbs.	427	1.6	4	3.7	84	339
Unknown	248	0.9	1	0.9	16	231
Total	26,167	100.0	109	100.0	4,667	21,391

East Central Michigan Prosperity Region (continued)

5-Year Trend - Crashes by Month

Month	2011		2012		2013		2014		2015	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	1,842	3	1,804	1	1,624	4	1,994	3	1,797	3
February	1,607	5	1,590	3	1,626	4	1,552	5	1,291	2
March	1,347	3	1,118	9	1,372	5	1,328	3	1,194	2
April	1,184	8	1,013	3	1,208	2	1,020	4	1,119	5
May	1,246	10	1,300	4	1,342	8	1,147	0	1,321	7
June	1,399	5	1,237	4	1,247	5	1,348	8	1,324	7
July	1,272	7	1,148	6	1,111	7	1,119	4	1,215	15
August	1,192	9	1,135	7	1,191	4	1,082	6	1,106	6
September	1,389	6	1,378	9	1,357	5	1,290	2	1,292	6
October	1,954	9	1,848	10	1,770	3	1,837	2	1,934	6
November	2,106 †	3	1,916 †	5	2,252 †	3	2,213 †	5	2,113 †	10
December	1,643	3	1,607	5	2,026	4	1,365	3	1,497	5
Total	18,181	71	17,094	66	18,126	54	17,295	45	17,203	74

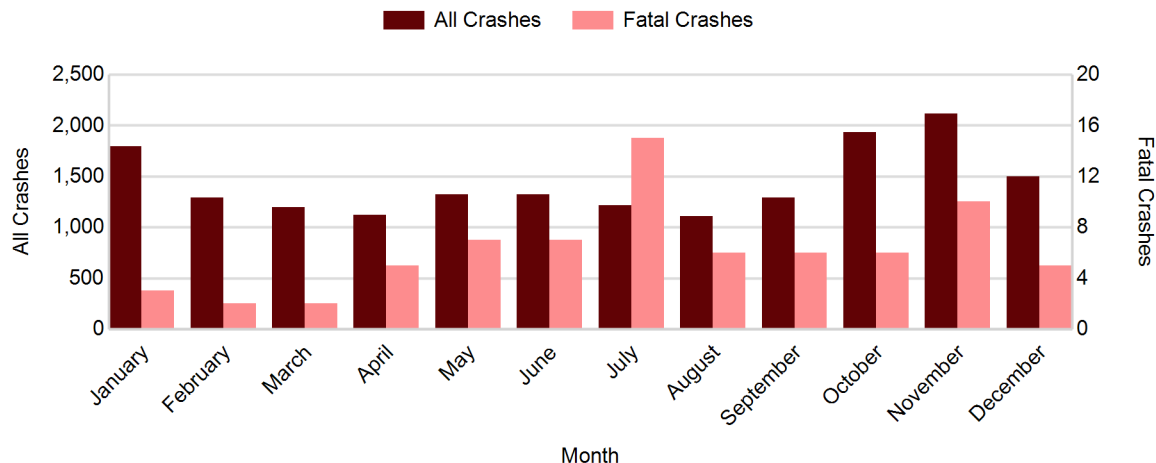
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

5-Year Trend - Crashes by Day of Week

Day	2011		2012		2013		2014		2015	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	2,614	10	2,299	7	2,710	6	2,300	5	2,525	9
Tuesday	2,843	14	2,432	12	2,754	6	2,454	6	2,593	14
Wednesday	2,587	5	2,405	6	2,583	6	2,756	3	2,588	10
Thursday	2,594	9	2,564	9	2,794	3	2,571	6	2,501	6
Friday	2,916 †	7	3,259 †	12	2,888 †	7	3,065 †	7	2,696 †	14
Saturday	2,503	16	2,129	10	2,324	16	2,182	8	2,318	13
Sunday	2,124	10	2,006	10	2,073	10	1,967	10	1,982	8
Total	18,181	71	17,094	66	18,126	54	17,295	45	17,203	74

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

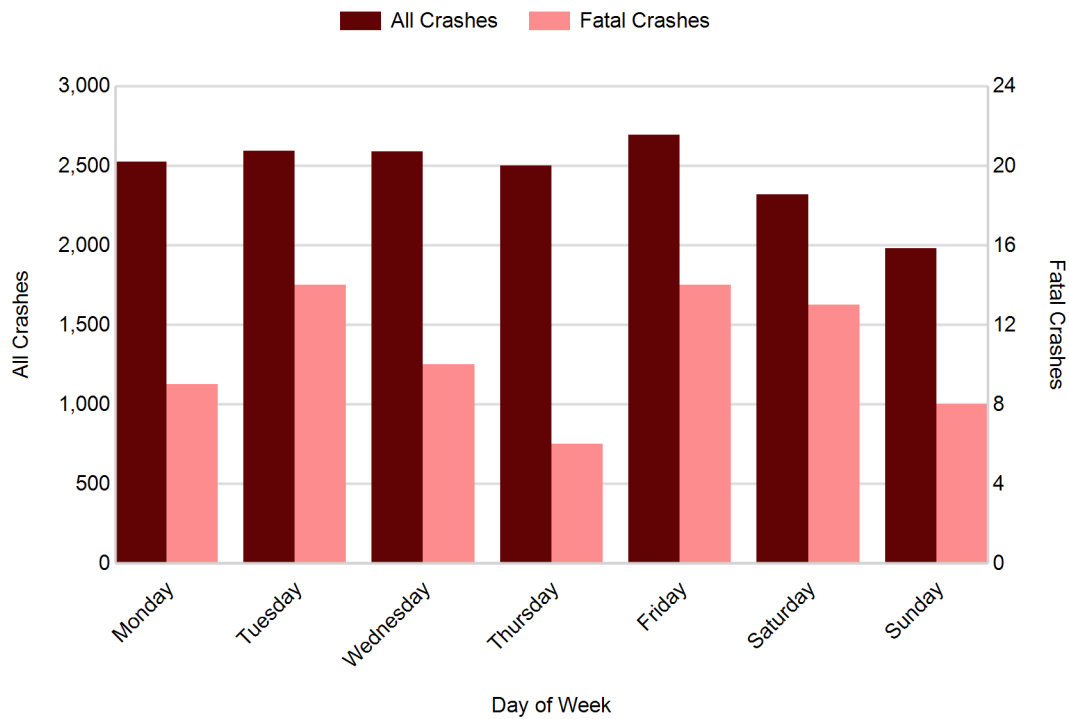
2015 Crashes by Month



2015 - 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	2,525	14.7	9	12.2	34	97	246	2,139
Tuesday	2,593	15.1	14	18.9	28	82	273	2,196
Wednesday	2,588	15.0	10	13.5	41	116	260	2,161
Thursday	2,501	14.5	6	8.1	37	121	250	2,087
Friday	2,696	15.7	14	18.9	38	107	291	2,246
Saturday	2,318	13.5	13	17.6	47	105	209	1,944
Sunday	1,982	11.5	8	10.8	28	99	208	1,639
Total	17,203	100.0	74	100.0	253	727	1,737	14,412

2015 Day of Week and Severity

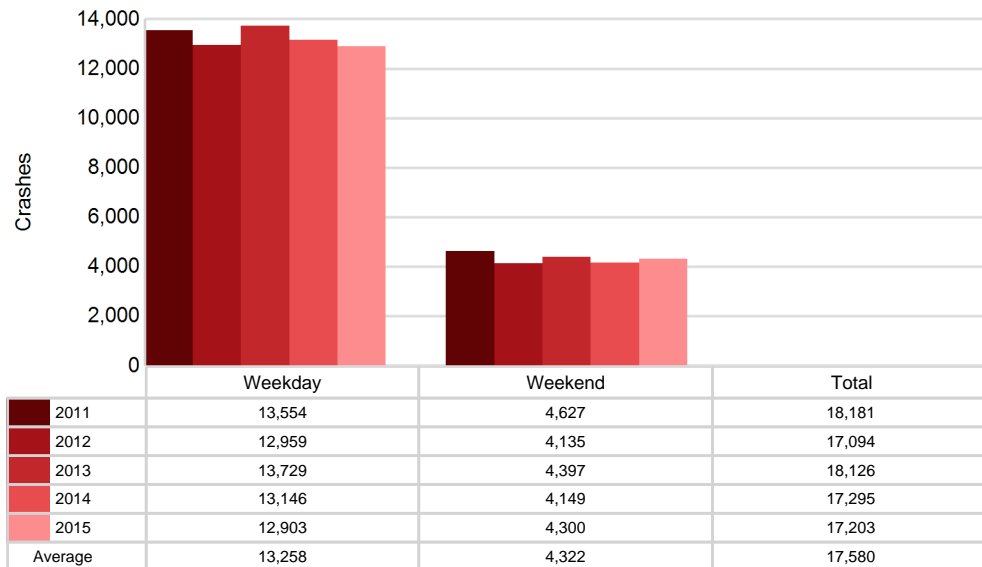


East Central Michigan Prosperity Region (continued)

5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2011		2012		2013		2014		2015	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	13,554	45	12,959	46	13,729	28	13,146	27	12,903	53
Weekend	4,627	26	4,135	20	4,397	26	4,149	18	4,300	21
Total	18,181	71	17,094	66	18,126	54	17,295	45	17,203	74

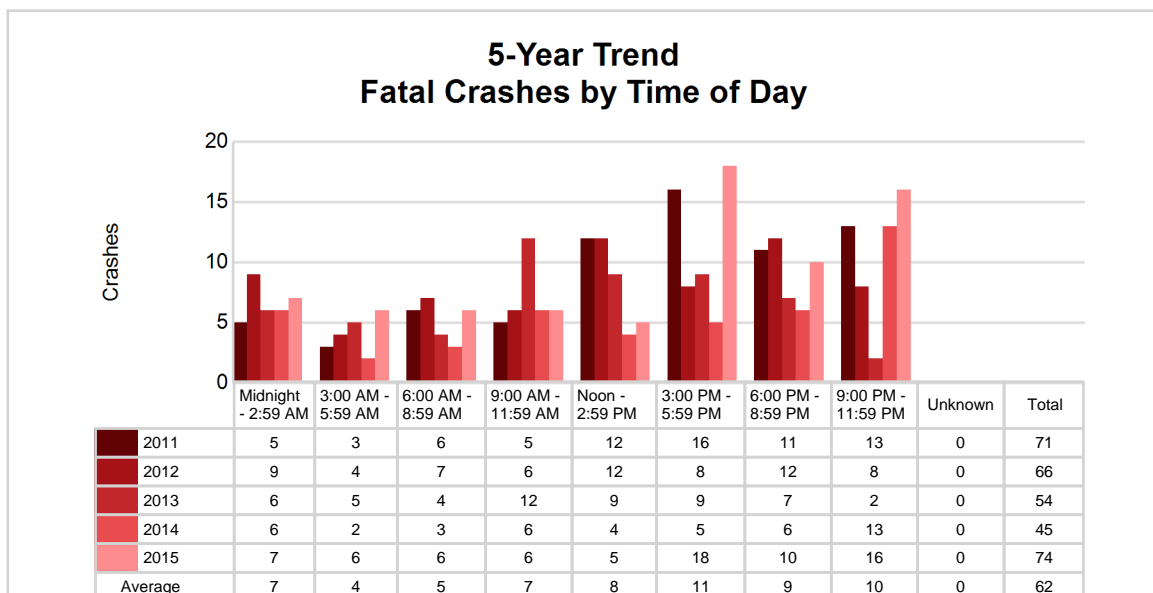
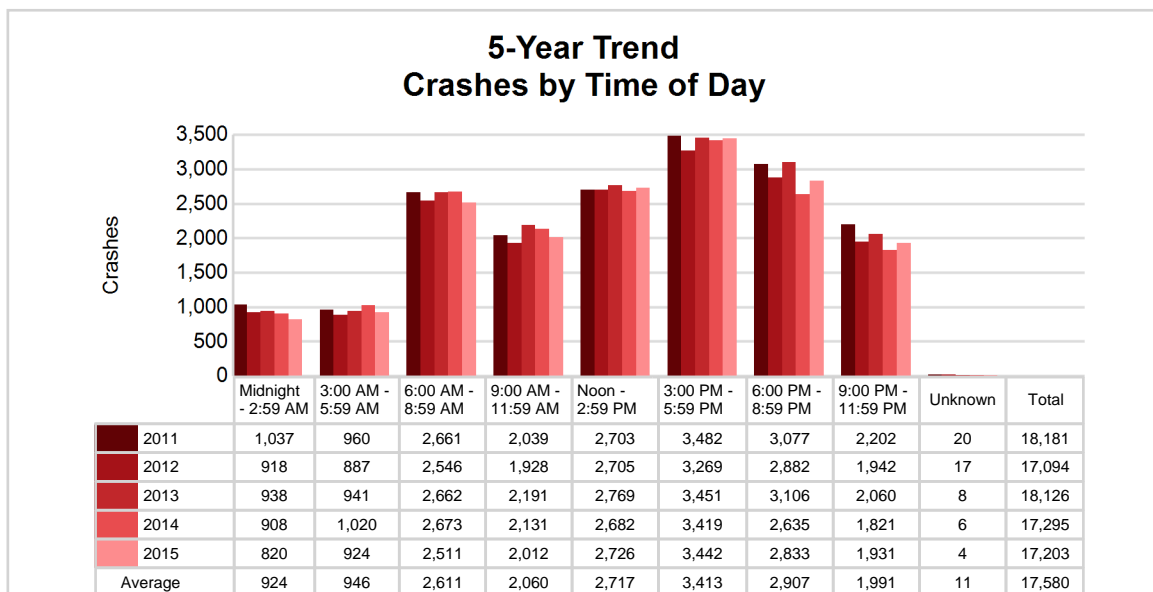
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

Time of Day	2011		2012		2013		2014		2015	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	1,037	5	918	9	938	6	908	6	820	7
3:00 AM - 5:59 AM	960	3	887	4	941	5	1,020	2	924	6
6:00 AM - 8:59 AM	2,661	6	2,546	7	2,662	4	2,673	3	2,511	6
9:00 AM - 11:59 AM	2,039	5	1,928	6	2,191	12	2,131	6	2,012	6
Noon - 2:59 PM	2,703	12	2,705	12	2,769	9	2,682	4	2,726	5
3:00 PM - 5:59 PM	3,482 †	16	3,269 †	8	3,451 †	9	3,419 †	5	3,442 †	18
6:00 PM - 8:59 PM	3,077	11	2,882	12	3,106	7	2,635	6	2,833	10
9:00 PM - 11:59 PM	2,202	13	1,942	8	2,060	2	1,821	13	1,931	16
Unknown	20	0	17	0	8	0	6	0	4	0
Total	18,181	71	17,094	66	18,126	54	17,295	45	17,203	74

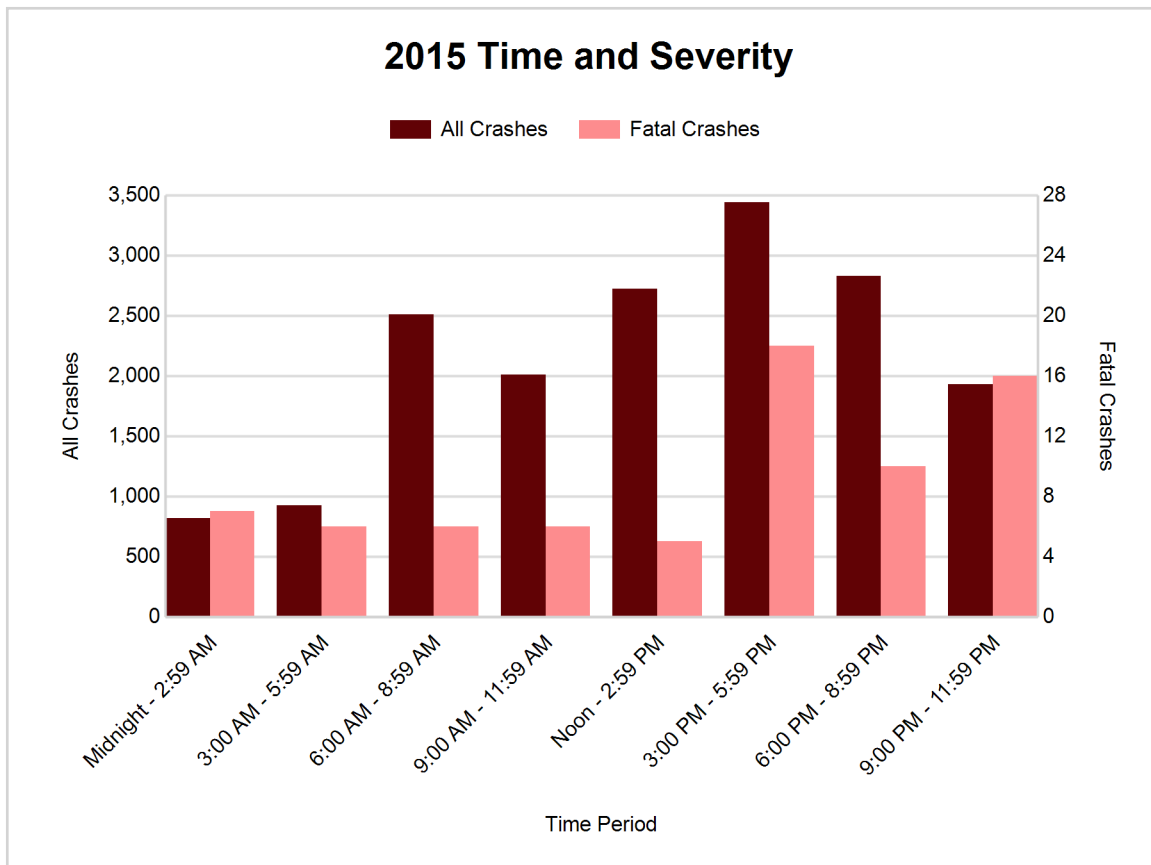
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period



East Central Michigan Prosperity Region (continued)

2015 - Time and Severity

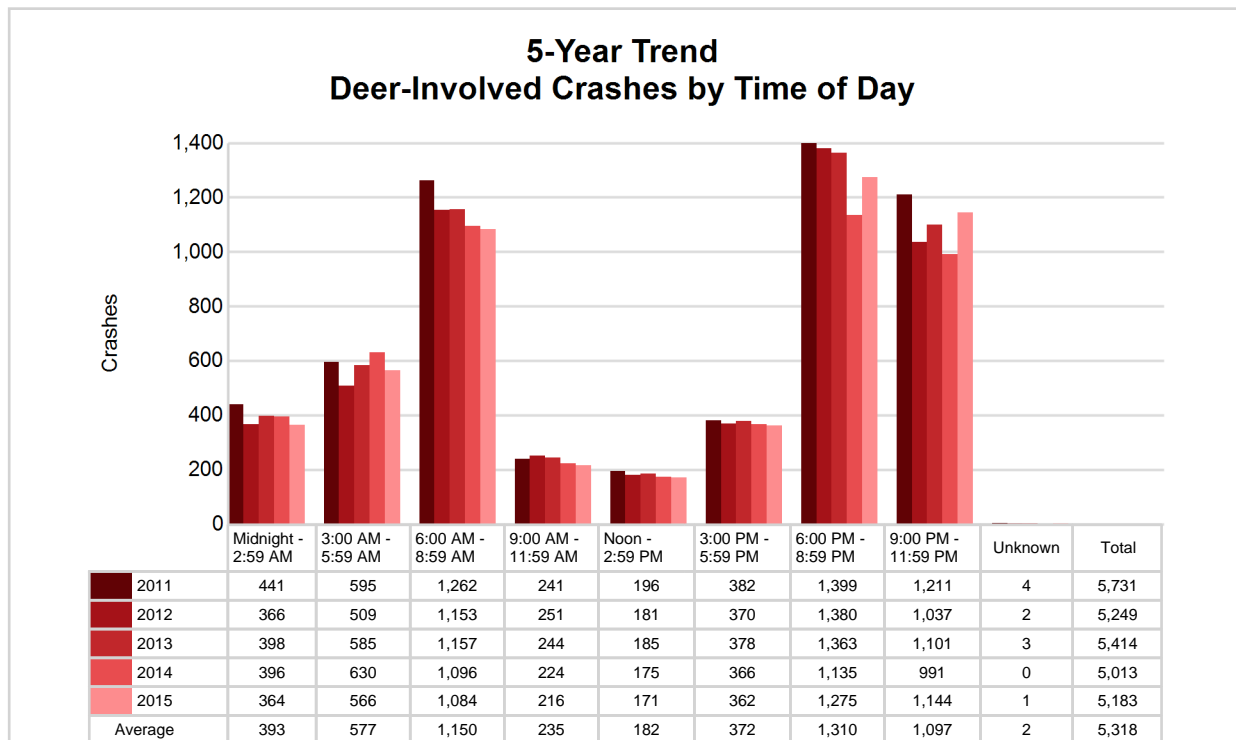
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	820	4.8	7	9.5	20	33	69	691
3:00 AM - 5:59 AM	924	5.4	6	8.1	16	29	40	833
6:00 AM - 8:59 AM	2,511	14.6	6	8.1	23	92	201	2,189
9:00 AM - 11:59 AM	2,012	11.7	6	8.1	29	121	264	1,592
Noon - 2:59 PM	2,726	15.8	5	6.8	51	123	354	2,193
3:00 PM - 5:59 PM	3,442	20.0	18	24.3	43	170	451	2,760
6:00 PM - 8:59 PM	2,833	16.5	10	13.5	45	97	222	2,459
9:00 PM - 11:59 PM	1,931	11.2	16	21.6	26	62	136	1,691
Unknown	4	0.0	0	0.0	0	0	0	4
Total	17,203	100.0	74	100.0	253	727	1,737	14,412



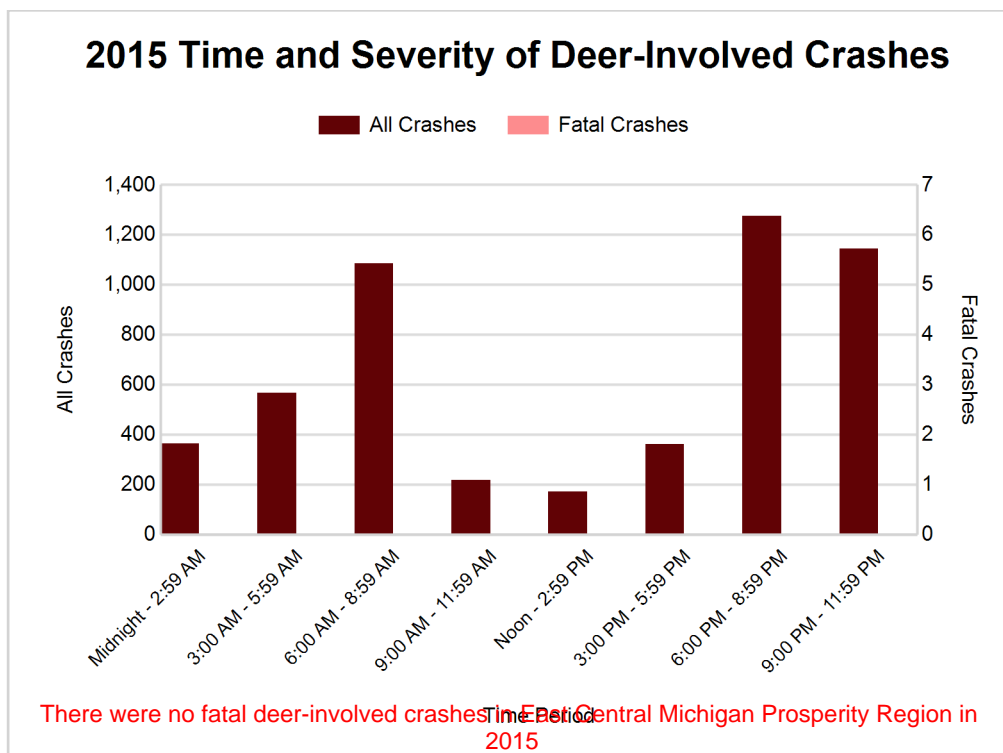
5-Year Trend - Deer-Involved Crashes by Time of Day

Time of Day	2011		2012		2013		2014		2015	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	441	0	366	0	398	0	396	1	364	0
3:00 AM - 5:59 AM	595	1	509	0	585	0	630	0	566	0
6:00 AM - 8:59 AM	1,262	0	1,153	0	1,157	0	1,096	0	1,084	0
9:00 AM - 11:59 AM	241	0	251	0	244	0	224	0	216	0
Noon - 2:59 PM	196	0	181	0	185	0	175	0	171	0
3:00 PM - 5:59 PM	382	0	370	1	378	0	366	0	362	0
6:00 PM - 8:59 PM	1,399 †	0	1,380 †	0	1,363 †	0	1,135 †	0	1,275 †	0
9:00 PM - 11:59 PM	1,211	0	1,037	0	1,101	1	991	1	1,144	0
Unknown	4	0	2	0	3	0	0	0	1	0
Total	5,731	1	5,249	1	5,414	1	5,013	2	5,183	0

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



East Central Michigan Prosperity Region (continued)



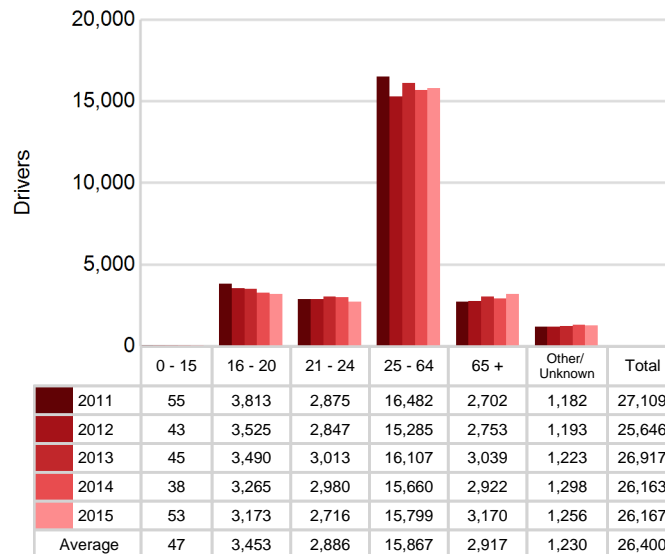
2015 - Reported Motor Vehicle Crashes by County

County	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Arenac	647	2	80	565	97	159	90	301	11	2	391	2	106
Bay	2,909	15	517	2,377	257	148	1,024	1,480	113	21	485	15	706
Clare	1,049	2	136	911	0	339	202	508	36	6	517	3	194
Gladwin	681	6	79	596	0	0	281	400	24	4	372	6	117
Gratiot	1,518	7	180	1,331	0	391	263	864	38	6	801	8	240
Isabella	2,555	15	321	2,219	0	631	346	1,578	64	11	907	16	503
Midland	2,528	7	363	2,158	0	324	400	1,804	70	16	828	9	531
Saginaw	5,316	20	1,041	4,255	537	0	1,880	2,899	200	43	882	22	1,494
Total	17,203	74	2,717	14,412	891	1,992	4,486	9,834	556	109	5,183	81	3,891

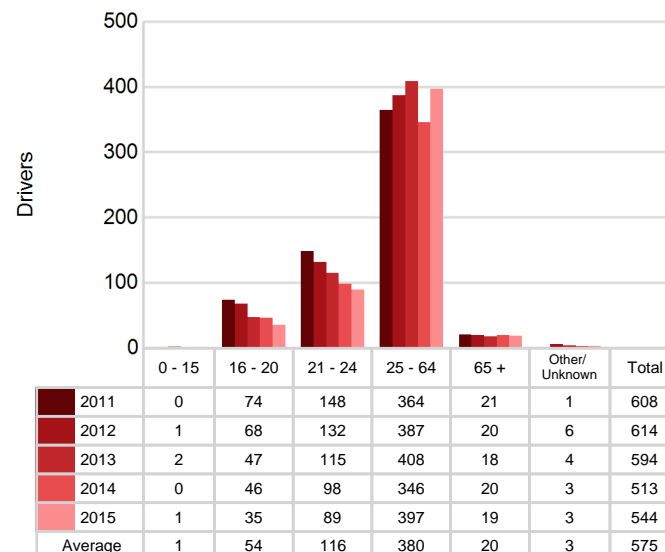
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2011		2012		2013		2014		2015	
	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	55	0	43	1	45	2	38	0	53	1
16 - 20	3,813	74	3,525	68	3,490	47	3,265	46	3,173	35
21 - 24	2,875	148	2,847	132	3,013	115	2,980	98	2,716	89
25 - 64	16,482	364	15,285	387	16,107	408	15,660	346	15,799	397
65 +	2,702	21	2,753	20	3,039	18	2,922	20	3,170	19
Unknown	1,182	1	1,193	6	1,223	4	1,298	3	1,256	3
Total	27,109	608	25,646	614	26,917	594	26,163	513	26,167	544

5-Year Trend Total Drivers in Crashes by Age



5-Year Trend Total Drivers Coded Drinking by Age



East Central Michigan Prosperity Region (continued)

2015 - 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	1	1	1	0	1	0	0	0
16 - 20	54	45	28	35	0	5	12	2	16
21 - 24	103	93	76	89	0	8	28	18	35
25 - 64	513	443	343	397	4	32	89	129	143
65 +	33	35	16	19	0	2	3	4	10
Unknown	52	0	0	3	0	0	0	0	3
Total	757	617	464	544	4	48	132	153	207

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 2015, there were 757 drivers in alcohol-involved crashes; 544 (71.9%) of those drivers were coded as had-been-drinking by the officer on the crash form.

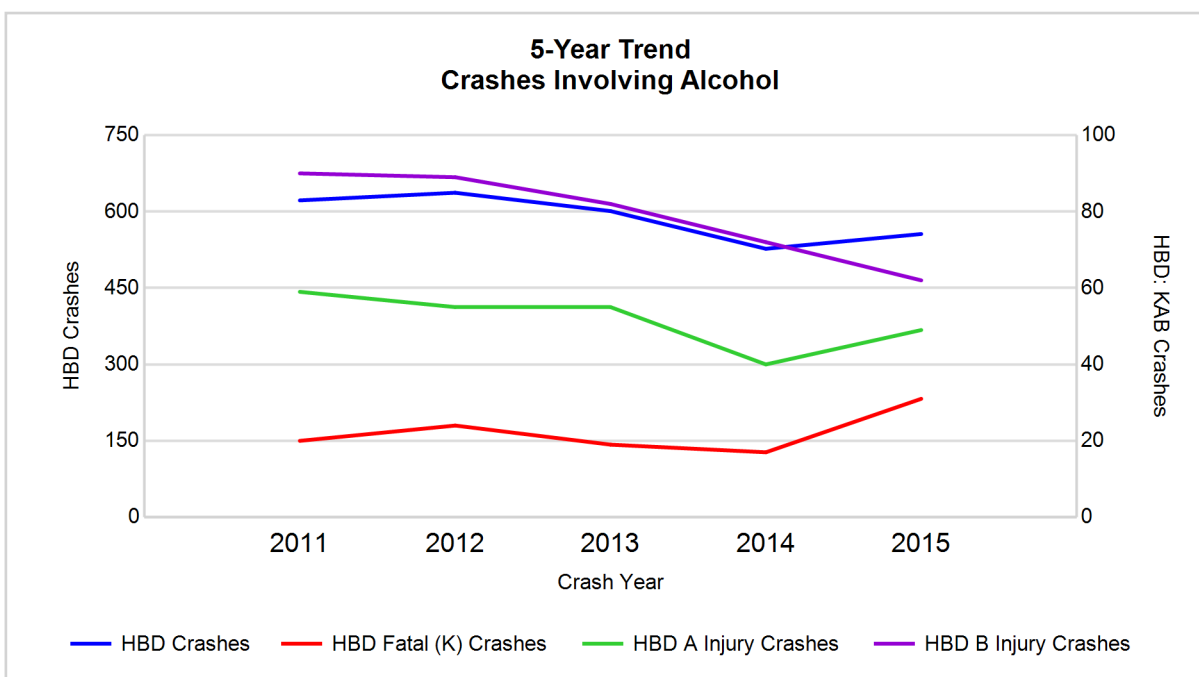
- 285 (52.4%) of the 544 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 153 (53.7%) of the 285 drivers had a BAC at or above 0.17 g/dL.
- 464 (85.3%) of the 544 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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
2011	18,181	622	3.4	71	20	28.2	303	59	19.5	825	90	10.9
2012	17,094	637	3.7	66	24	36.4	295	55	18.6	720	89	12.4
2013	18,126	601	3.3	54	19	35.2	292	55	18.8	743	82	11.0
2014	17,295	527	3.0	45	17	37.8	240	40	16.7	658	72	10.9
2015	17,203	556	3.2	74**	31**	41.9**	253	49	19.4	727	62*	8.5*

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



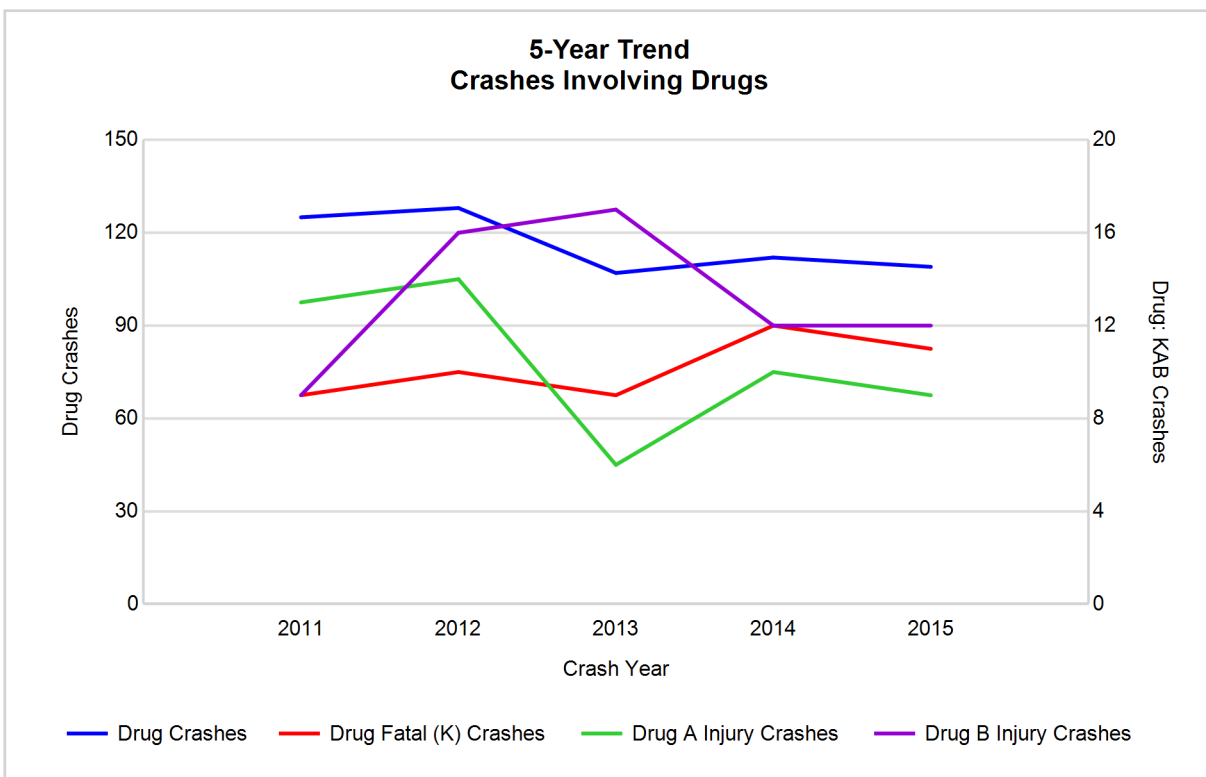
Note: Had-Been-Drinking (HBD)

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
2011	18,181	125	0.7	71	9	12.7	303	13	4.3	825	9	1.1
2012	17,094	128	0.7	66	10	15.2	295	14	4.7	720	16	2.2
2013	18,126	107	0.6	54	9	16.7	292	6	2.1	743	17	2.3
2014	17,295	112	0.6	45	12	26.7	240	10	4.2	658	12	1.8
2015	17,203	109	0.6	74**	11	14.9	253	9	3.6	727	12	1.7

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



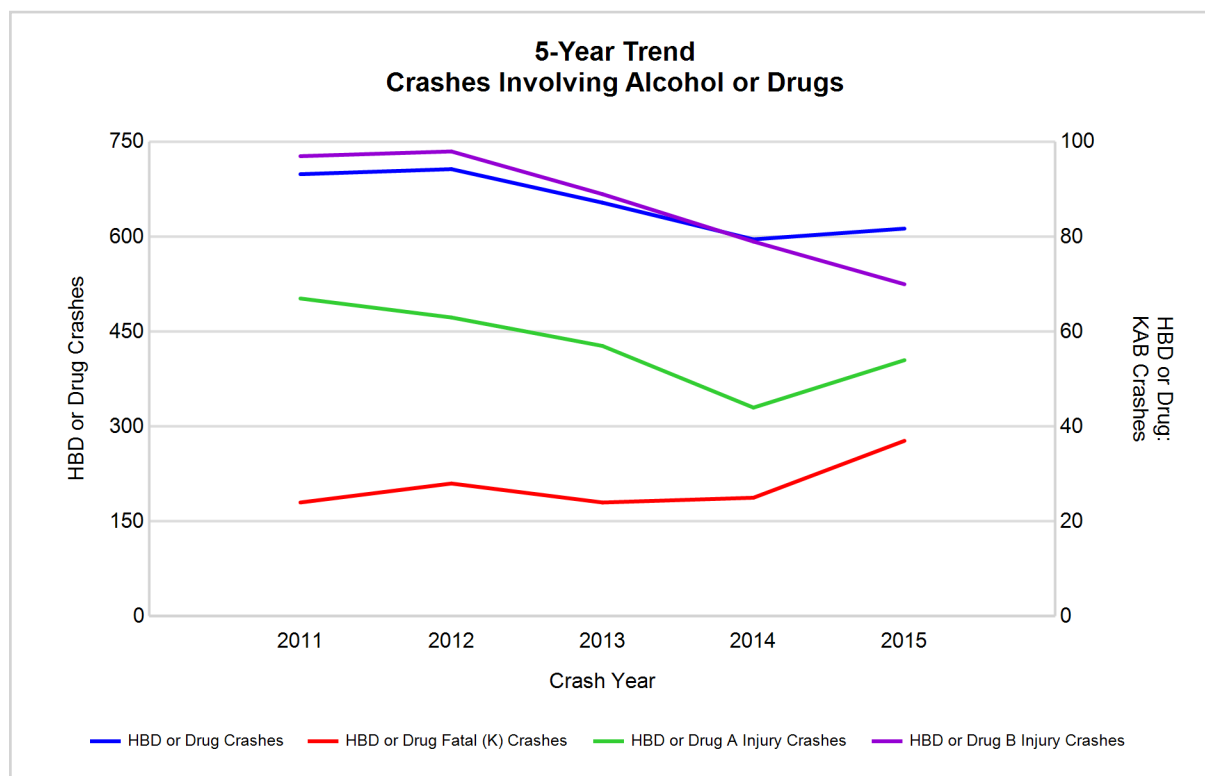
East Central Michigan Prosperity Region (continued)

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
2011	18,181	699	3.8	71	24	33.8	303	67	22.1	825	97	11.8
2012	17,094	707	4.1	66	28	42.4	295	63	21.4	720	98	13.6
2013	18,126	654	3.6	54	24	44.4	292	57	19.5	743	89	12.0
2014	17,295	596	3.4	45	25	55.6	240	44	18.3	658	79	12.0
2015	17,203	613	3.6	74**	37**	50.0	253	54	21.3	727	70*	9.6*

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 Central Michigan Prosperity Region (continued)

13

2015 - 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	20,304	18,806	92.6	46	23	50.0	200	139	69.5	616	546	88.6	2,019	1,884	93.3	16,725	16,205	96.9
Motor home	1,109	1,030	92.9	1	1	100.0	13	9	69.2	23	21	91.3	110	106	96.4	930	893	96.0
Pickup truck	4,401	4,044	91.9	13	5	38.5	34	21	61.8	130	112	86.2	277	258	93.1	3,774	3,646	96.6
Small truck under 10,000 lbs. GVWR	458	404	88.2	1	0	0.0	4	1	25.0	15	12	80.0	61	60	98.4	346	331	95.7
Motorcycle	190	123	64.7	8	2	25.0	27	18	66.7	60	39	65.0	48	33	68.8	42	31	73.8
Moped / goped	25	8	32.0	0	0	0.0	6	3	50.0	10	3	30.0	5	2	40.0	4	0	0.0
Go-cart / golf cart	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0
Snowmobile	4	4	100.0	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	1	1	100.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	27	9	33.3	1	0	0.0	5	2	40.0	11	3	27.3	4	2	50.0	6	2	33.3
Other	94	44	46.8	1	0	0.0	3	0	0.0	5	1	20.0	6	2	33.3	69	41	59.4
Truck/bus over 10,000 lbs.	439	403	91.8	0	0	0.0	4	3	75.0	13	7	53.8	17	13	76.5	401	380	94.8
Unknown	248	2	0.8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	0	0.0
Total	27,301	24,879	91.1	71	31	43.7	296	196	66.2	884	745	84.3	2,550	2,363	92.7	22,303	21,531	96.5

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.

2015 - 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	326	269	82.5	4	2	50.0	20	8	40.0	64	47	73.4	197	175	88.8	41	37	90.2
16 - 20	3,364	3,213	95.5	6	1	16.7	30	20	66.7	162	136	84.0	352	319	90.6	2,812	2,736	97.3
21 - 24	2,827	2,665	94.3	4	0	0.0	41	22	53.7	111	87	78.4	258	237	91.9	2,410	2,319	96.2
25 - 64	16,226	15,536	95.7	43	18	41.9	161	111	68.9	436	379	86.9	1,385	1,290	93.1	14,179	13,735	96.9
65 +	3,302	3,175	96.2	14	10	71.4	44	35	79.5	110	96	87.3	355	341	96.1	2,775	2,693	97.0
Unknown	1,256	21	1.7	0	0	0.0	0	0	0.0	1	0	0.0	3	1	33.3	86	11	12.8
Total	27,301	24,879	91.1	71	31	43.7	296	196	66.2	884	745	84.3	2,550	2,363	92.7	22,303	21,531	96.5

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 Central Michigan Prosperity Region (continued)

5-Year Trend - Restraint Use Among Drivers

Restraint Use	2011			2012			2013			2014			2015		
	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	148	0	20	138	1	23	143	0	30	208	0	23	177	3	28
Shoulder belt only used	32	1	5	27	0	4	12	0	1	38	0	4	30	0	4
Lap belt only used	76	0	7	70	0	11	94	0	12	172	1	14	216	0	23
Both lap & shoulder belts used	24,754	24	2,534	23,282	28	2,295	24,565	12	2,285	23,535	15	2,121	23,547	23	2,249
No belts used	187	15	80	203	17	89	160	11	82	196	11	77	223	16	85
Child restraint used	2	0	0	1	0	0	1	0	0	0	0	0	0	0	0
Child restraint not used, unavailable or improper use	1	0	0	0	0	0	1	0	0	2	0	0	0	0	0
Restraint failure	5	1	0	5	0	2	1	0	0	9	0	2	15	0	1
Restraint use unknown	988	1	74	1,032	1	96	1,067	2	58	808	2	67	599	5	64
Helmet worn	220	9	159	166	2	119	165	6	116	140	1	99	134	2	96
Helmet not worn	23	2	18	79	5	63	76	7	55	57	2	44	80	6	56
Helmet use unknown	7	0	5	12	0	6	7	0	4	10	1	6	8	1	4
Uncoded & errors	666	0	2	631	0	6	625	0	1	988	0	2	1,138	0	1
Total	27,109	53	2,904	25,646	54	2,714	26,917	38	2,644	26,163	33	2,459	26,167	56	2,611

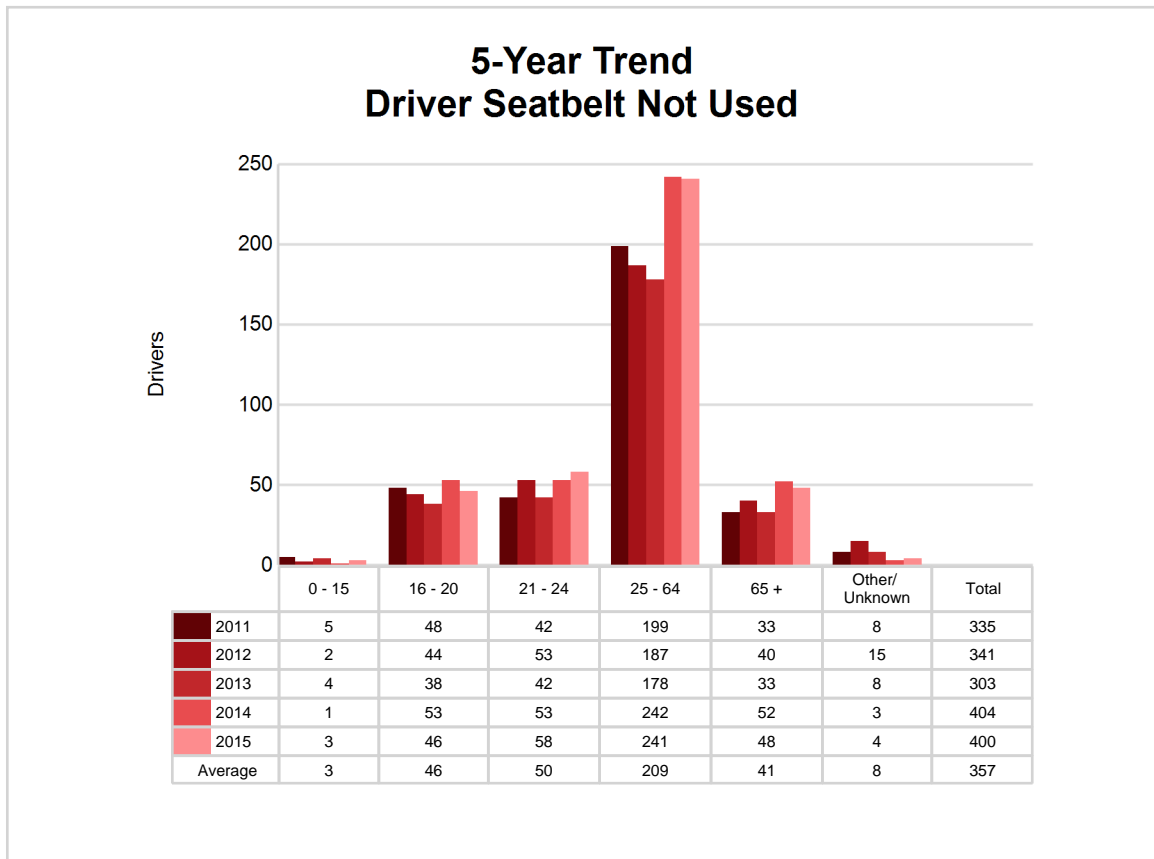
5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2011			2012			2013			2014			2015		
	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	7	0	4	5	1	3	10	0	7	7	0	2	4	1	2
Shoulder belt only used	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Lap belt only used	1	0	0	1	0	1	1	0	0	3	0	2	4	0	2
Both lap & shoulder belts used	437	5	134	418	5	102	436	1	104	379	3	82	398	6	84
No belts used	46	7	25	48	5	28	40	7	24	30	4	21	38	7	26
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	1	0	0	0
Restraint use unknown	91	1	29	106	1	31	73	0	20	82	1	25	74	3	16
Helmet worn	15	2	8	9	0	8	10	1	9	4	0	1	7	0	7
Helmet not worn	6	0	6	17	2	15	21	5	13	5	1	3	16	5	9
Helmet use unknown	0	0	0	3	0	3	1	0	1	1	0	1	2	0	2
Uncoded & errors	3	0	0	7	0	1	2	0	0	1	0	0	1	0	0
Total	608	15	208	614	14	192	594	14	178	513	9	138	544	22	148

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

Age Group	2011			2012			2013			2014			2015		
	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	5	0	2	2	0	1	4	0	2	1	1	0	3	1	2
16 - 20	48	1	17	44	2	17	38	1	16	53	2	14	46	2	9
21 - 24	42	1	19	53	3	18	42	1	22	53	1	19	58	3	21
25 - 64	199	12	52	187	8	65	178	6	59	242	4	57	241	11	66
65 +	33	1	10	40	5	11	33	3	11	52	3	10	48	2	14
Unknown	8	0	0	15	0	0	8	0	2	3	0	0	4	0	1
Total	335	15	100	341	18	112	303	11	112	404	11	100	400	19	113

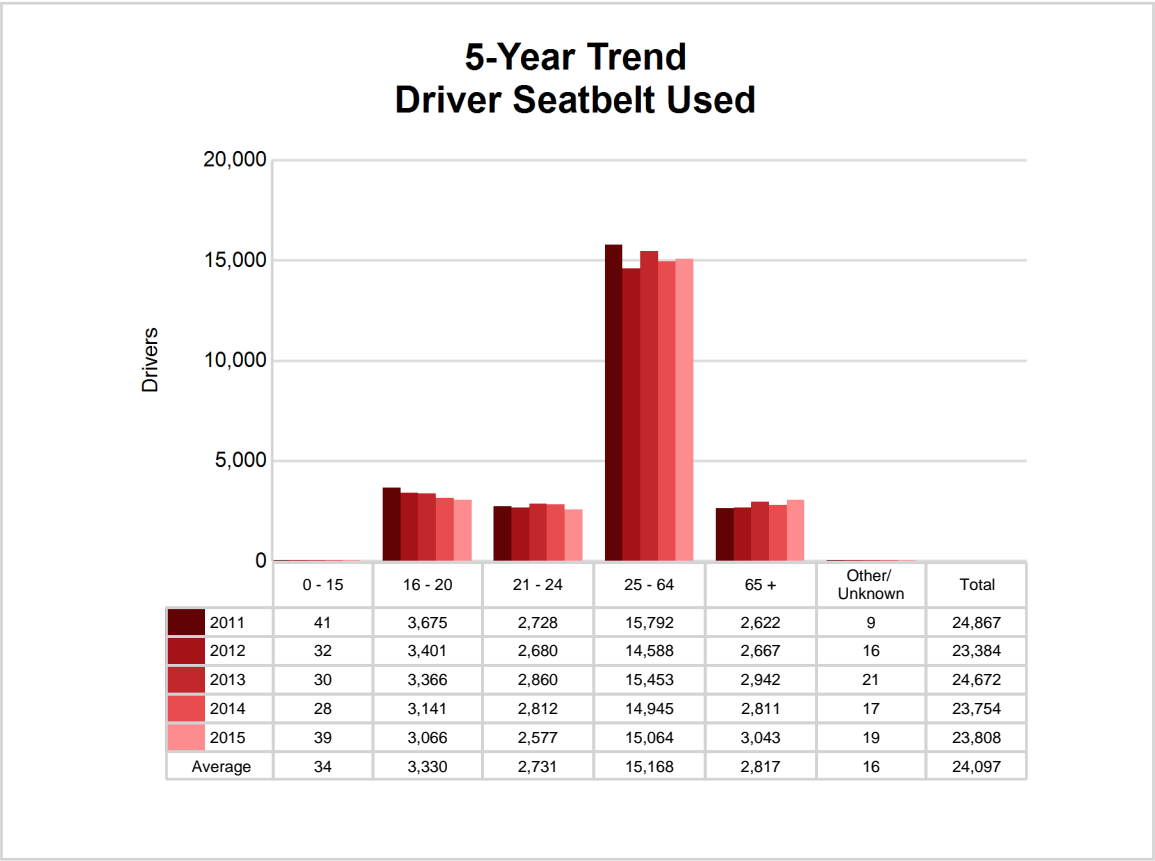
Note: Seatbelt Not Used includes no belts available or no belts used.



5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2011			2012			2013			2014			2015		
	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	41	0	6	32	0	4	30	0	3	28	0	5	39	0	3
16 - 20	3,675	2	416	3,401	3	355	3,366	0	335	3,141	1	294	3,066	1	328
21 - 24	2,728	6	257	2,680	2	264	2,860	1	272	2,812	1	274	2,577	0	261
25 - 64	15,792	8	1,552	14,588	14	1,380	15,453	6	1,402	14,945	10	1,262	15,064	14	1,340
65 +	2,622	10	315	2,667	9	308	2,942	5	286	2,811	4	305	3,043	8	344
Unknown	9	0	0	16	0	1	21	0	0	17	0	1	19	0	1
Total	24,867	26	2,546	23,384	28	2,312	24,672	12	2,298	23,754	16	2,141	23,808	23	2,277

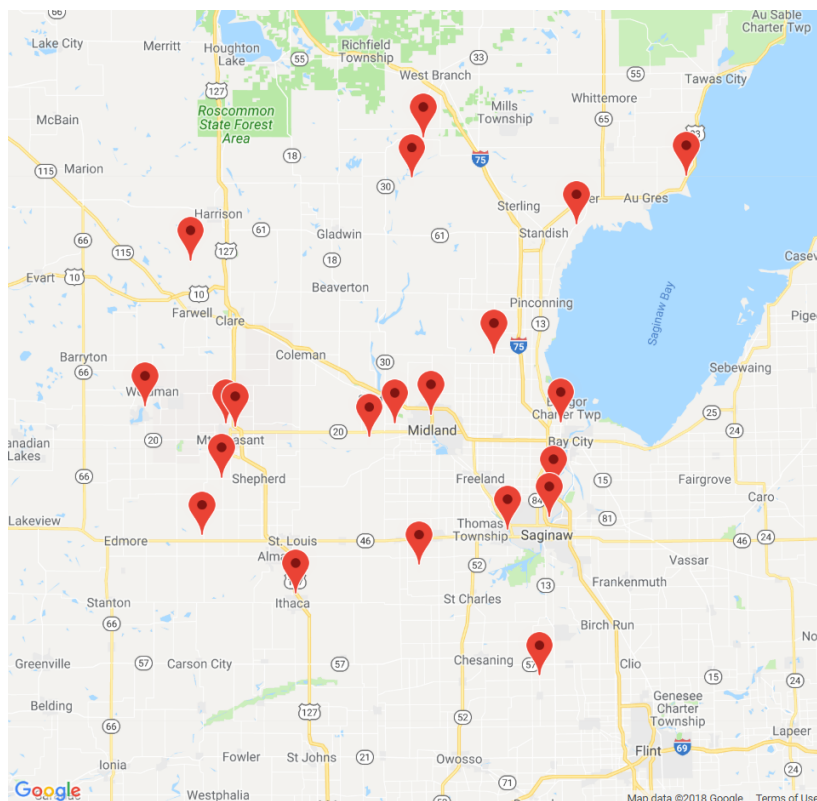
Note: Seatbelt Used includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, and restraint failure.



5-Year Trend - Drivers in Crashes by Hazardous Action

Hazardous Action	2011		2012		2013		2014		2015	
	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	14,843	44	14,163	43	14,671	26	14,496	30	14,796	41
Speed too fast	2,286	14	2,104	15	2,737	14	2,367	10	1,904	20
Speed too slow	27	0	26	0	25	0	36	0	37	0
Failed to yield	2,280	10	2,184	9	2,294	5	2,265	3	2,312	7
Disregard traffic control	697	1	672	9	632	3	544	4	630	5
Drove wrong way	18	0	18	0	14	0	22	1	28	1
Drove left of center	127	4	105	3	113	4	111	6	113	2
Improper passing	130	2	99	0	106	1	111	0	101	0
Improper lane use	381	1	386	1	395	0	347	0	430	0
Improper turn	320	0	278	1	252	0	281	1	307	0
Improper/no signal	44	0	41	0	47	0	52	0	50	0
Improper backing	454	0	486	0	466	0	502	0	497	0
Unable to stop in assured clear distance	2,673	4	2,583	1	2,663	4	2,657	2	2,674	3
Other	934	8	848	7	884	7	895	6	870	9
Unknown	605	12	671	10	671	7	503	6	413	11
Reckless driving	113	0	118	1	106	1	130	0	147	2
Careless/negligent driving	765	7	755	3	769	5	792	3	821	8
Uncoded & errors	412	1	109	0	72	1	52	0	37	0
Total	27,109	108	25,646	103	26,917	78	26,163	72	26,167	109

East Central Michigan Prosperity Region (continued)



The picture above represents all 2015 alcohol-involved fatal crashes in East Central Michigan Prosperity Region.

In 2015, there were 556 alcohol-involved crashes in East Central Michigan Prosperity Region:

- 31 K - Fatal Crashes
- 49 A - Suspected Serious Injury Crashes
- 62 B - Suspected Minor Injury Crashes
- 83 C - Possible Injury Crashes
- 331 O - Property Damage Only/No Injury Crashes

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