



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 = Incapacitating Injury

B = Non-incapacitating Injury

C = Possible Injury

O = No Injury

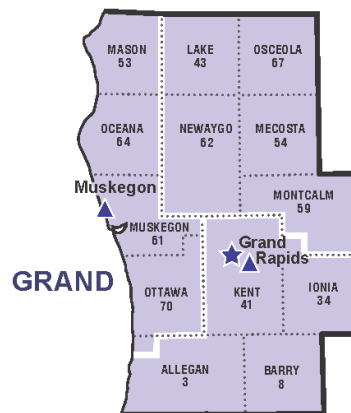
Property Damage Only (PDO)



MDOT Region - Grand

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

Beginning October 2015, MDOT Region - Grand is comprised of Allegan, Barry, Ionia, Kent, Lake, Mason, Mecosta, Montcalm, Muskegon, Newaygo, Oceana, Osceola, and Ottawa counties. Trend tables for this report are based on those counties.



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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MDOT Region - Grand Experience

In 2015:

There were 77,719 drivers involved in 47,319 motor vehicle crashes in MDOT Region Grand. Of those crashes, 149 were classified as fatal, resulting in 159 fatalities. An additional 10,656 persons were injured.

MDOT Region Grand experienced the highest number of motor vehicle crashes (5,166) in January, the highest number of fatal crashes (25) and the highest number of persons killed (26) in August.

Michigan driver statistics indicate 7.0 percent of licensed drivers in MDOT Region Grand were age 16-20, and 12.2 percent of drivers in crashes were also in that age group.

2015 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	5,166	12	688	4,466	13	866
February	4,633	9	652	3,972	10	892
March	3,213	9	537	2,667	9	706
April	2,760	7	498	2,255	8	662
May	3,556	16	705	2,835	17	967
June	3,671	11	651	3,009	11	870
July	3,580	10	763	2,807	13	1,046
August	3,251	25	665	2,561	26	894
September	3,526	10	728	2,788	10	969
October	4,805	11	701	4,093	11	946
November	4,981	14	687	4,280	14	910
December	4,177	15	679	3,483	17	928
Total	47,319	149	7,954	39,216	159	10,656

2015 - Driver Statistics

Age Group	MDOT Region - Grand			Driver Rates	
	2015 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	333,571	9,255	146	4.4	157.8
16 - 20	111,298	79,056	9,508	854.3	1,202.7
21 - 24	90,861	78,058	8,305	914.0	1,064.0
25 - 64	808,408	750,238	46,883	579.9	624.9
65 +	226,468	205,147	6,818	301.1	332.3
Unknown	--	--	6,059	--	--
Total	1,570,606	1,121,754	77,719	494.8	692.8

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 & station wagon	60,190	77.4	144	62.9	10,926	49,120
Van & motorhome	3,137	4.0	6	2.6	642	2,489
Pickup truck	9,240	11.9	46	20.1	1,508	7,686
Small truck under 10,000 lbs. GVWR	935	1.2	3	1.3	154	778
Cycle	564	0.7	19	8.3	403	142
Moped	104	0.1	1	0.4	76	27
Go Cart	1	0.0	0	0.0	0	1
Snowmobile	14	0.0	0	0.0	9	5
Off-Road Vehicle (ORV) & All-Terrain Vehicle (ATV)	48	0.1	2	0.9	36	10
Other	279	0.4	0	0.0	47	232
Truck/bus over 10,000 lbs.	1,935	2.5	8	3.5	293	1,634
Unknown	1,272	1.6	0	0.0	89	1,183
Total	77,719	100.0	229	100.0	14,183	63,307

MDOT Region - Grand (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	5,077	9	4,843	4	4,943	12	6,470	3	5,166	12
February	4,333	4	3,829	15	5,026	3	5,161	12	4,633	9
March	3,064	11	3,032	12	3,318	6	3,756	11	3,213	9
April	2,784	8	2,776	13	2,863	4	2,558	11	2,760	7
May	3,324	10	3,559	18	3,398	17	3,280	15	3,556	16
June	3,461	8	3,453	8	3,230	12	3,377	12	3,671	11
July	3,397	16	3,126	18	3,261	17	3,137	22	3,580	10
August	3,019	17	3,157	12	3,113	19	3,250	16	3,251	25
September	3,486	15	3,196	16	3,350	9	3,345	14	3,526	10
October	4,385	12	4,500	11	4,363	24	4,479	11	4,805	11
November	4,744	13	4,166	8	5,421	10	6,470	7	4,981	14
December	4,279	7	4,339	11	5,259	7	3,750	8	4,177	15
Total	45,353	130	43,976	146	47,545	140	49,033	142	47,319	149

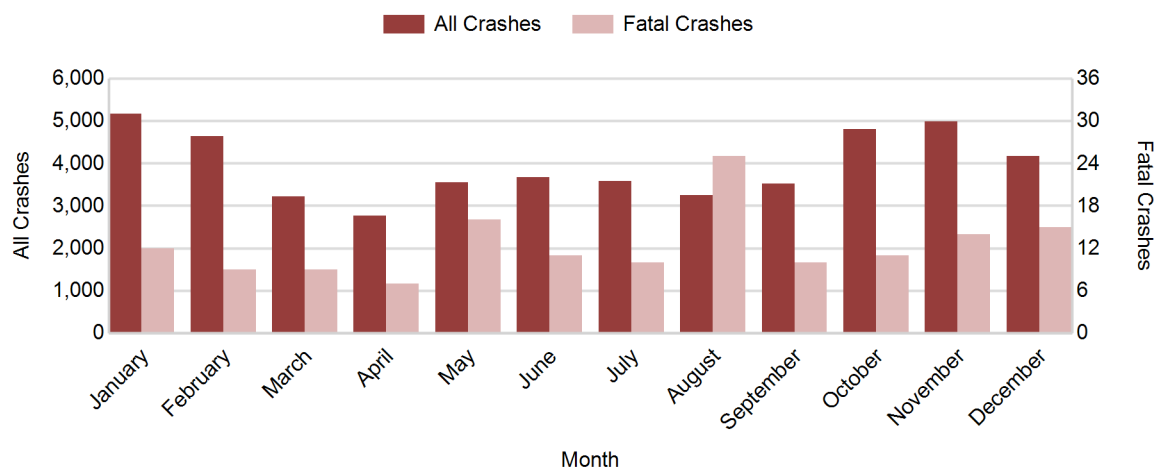
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

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	6,298	13	5,987	19	7,079	19	6,961	15	6,873	17
Tuesday	6,638	22	6,130	17	7,529	21	7,365	12	7,033	17
Wednesday	6,581	14	6,227	16	6,974	19	7,797	25	7,311	23
Thursday	6,811	24	6,587	17	7,469	21	7,901	19	7,215	19
Friday	7,656 †	20	8,289 †	25	7,559 †	21	8,208 †	19	7,694 †	19
Saturday	6,537	25	6,068	26	6,196	20	5,961	29	6,415	25
Sunday	4,832	12	4,688	26	4,739	19	4,840	23	4,778	29
Total	45,353	130	43,976	146	47,545	140	49,033	142	47,319	149

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

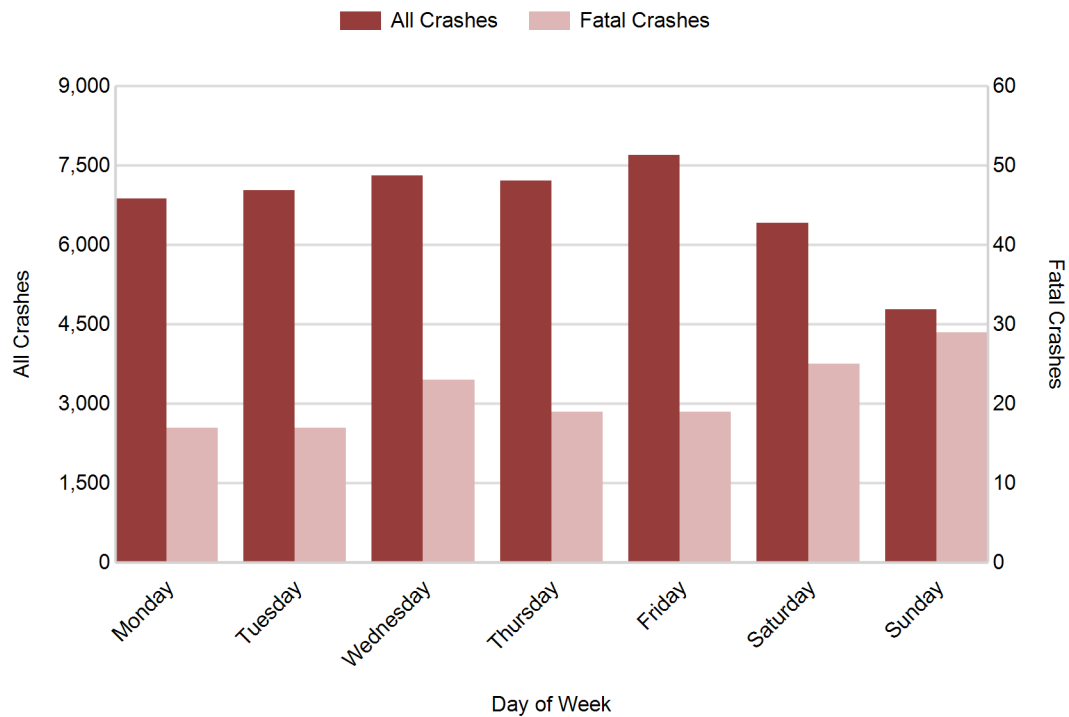
2015 Crashes by Month



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	6,873	14.5	17	11.4	99	279	732	5,746
Tuesday	7,033	14.9	17	11.4	88	261	766	5,901
Wednesday	7,311	15.5	23	15.4	88	290	850	6,060
Thursday	7,215	15.2	19	12.8	105	304	798	5,989
Friday	7,694	16.3	19	12.8	98	319	862	6,396
Saturday	6,415	13.6	25	16.8	151	285	706	5,248
Sunday	4,778	10.1	29	19.5	102	267	504	3,876
Total	47,319	100.0	149	100.0	731	2,005	5,218	39,216

2015 Day of Week and Severity



MDOT Region - Grand (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	33,984	93	33,220	94	36,610	101	38,232	90	36,126	95
Weekend	11,369	37	10,756	52	10,935	39	10,801	52	11,193	54
Total	45,353	130	43,976	146	47,545	140	49,033	142	47,319	149

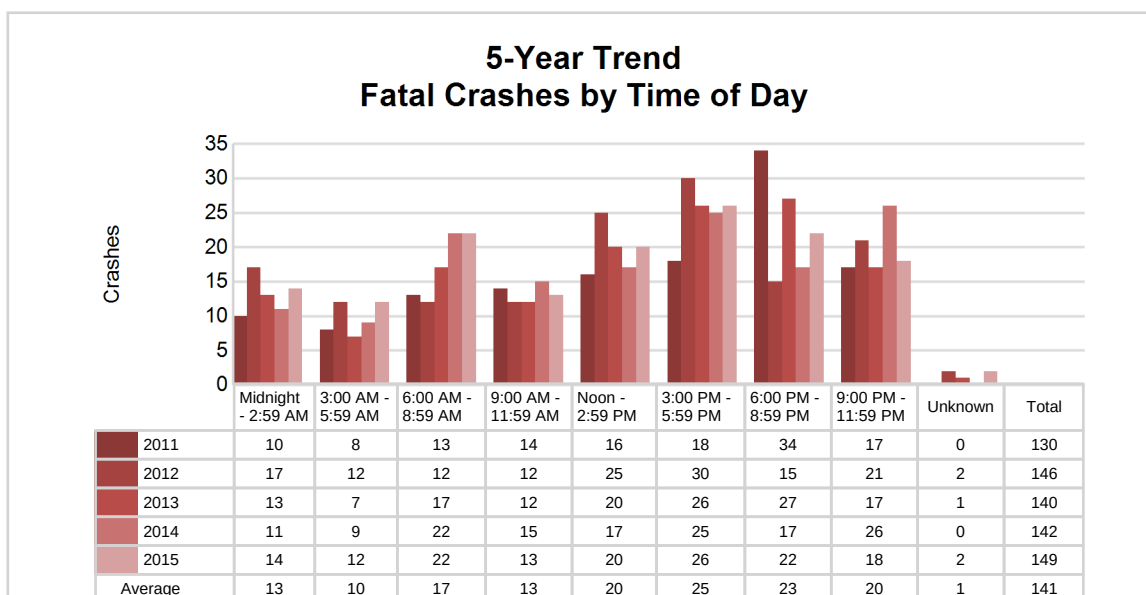
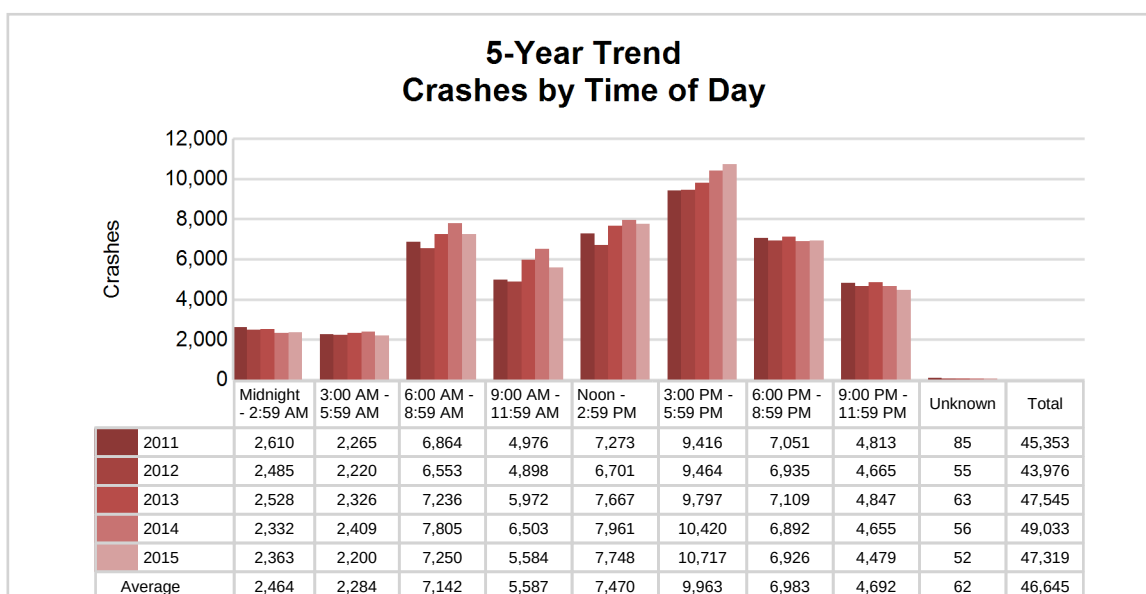
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



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	2,610	10	2,485	17	2,528	13	2,332	11	2,363	14
3:00 AM - 5:59 AM	2,265	8	2,220	12	2,326	7	2,409	9	2,200	12
6:00 AM - 8:59 AM	6,864	13	6,553	12	7,236	17	7,805	22	7,250	22
9:00 AM - 11:59 AM	4,976	14	4,898	12	5,972	12	6,503	15	5,584	13
Noon - 2:59 PM	7,273	16	6,701	25	7,667	20	7,961	17	7,748	20
3:00 PM - 5:59 PM	9,416 †	18	9,464 †	30	9,797 †	26	10,420 †	25	10,717 †	26
6:00 PM - 8:59 PM	7,051	34	6,935	15	7,109	27	6,892	17	6,926	22
9:00 PM - 11:59 PM	4,813	17	4,665	21	4,847	17	4,655	26	4,479	18
Unknown	85	0	55	2	63	1	56	0	52	2
Total	45,353	130	43,976	146	47,545	140	49,033	142	47,319	149

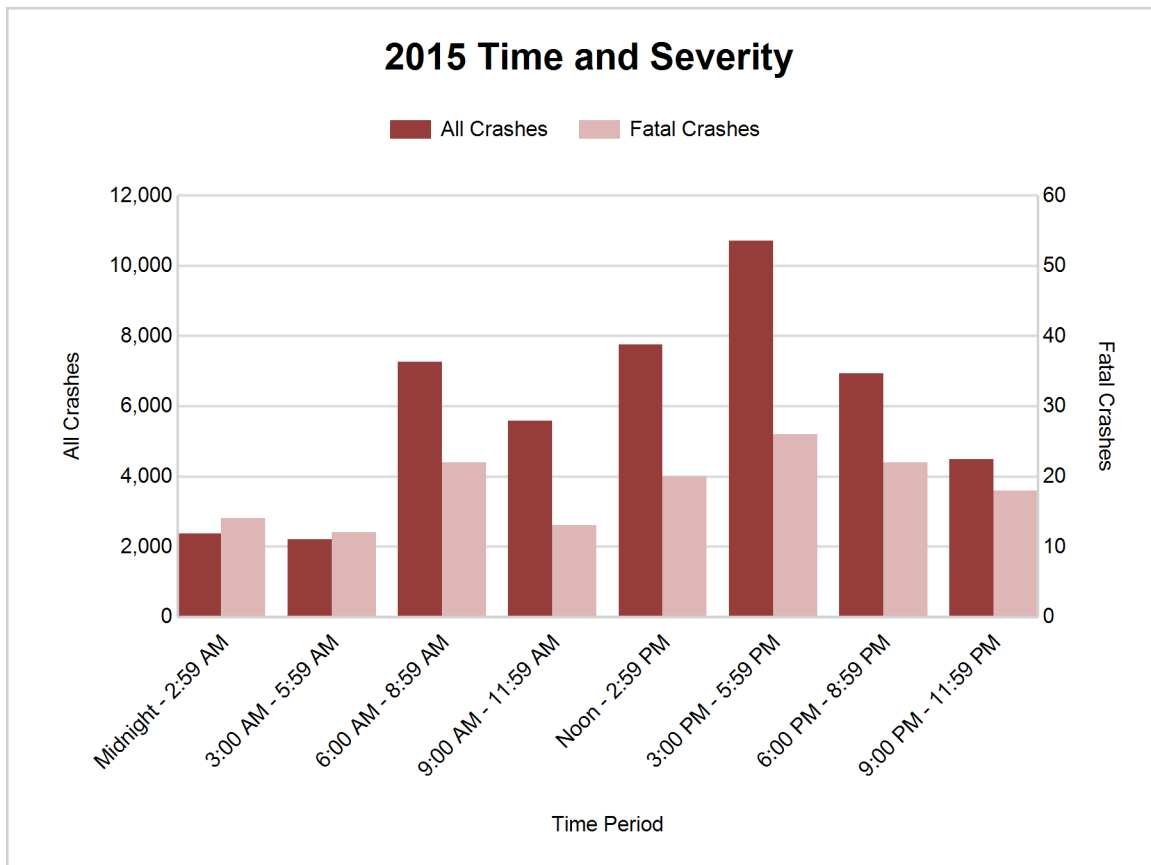
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period



MDOT Region - Grand (continued)

2015 - Time and Severity

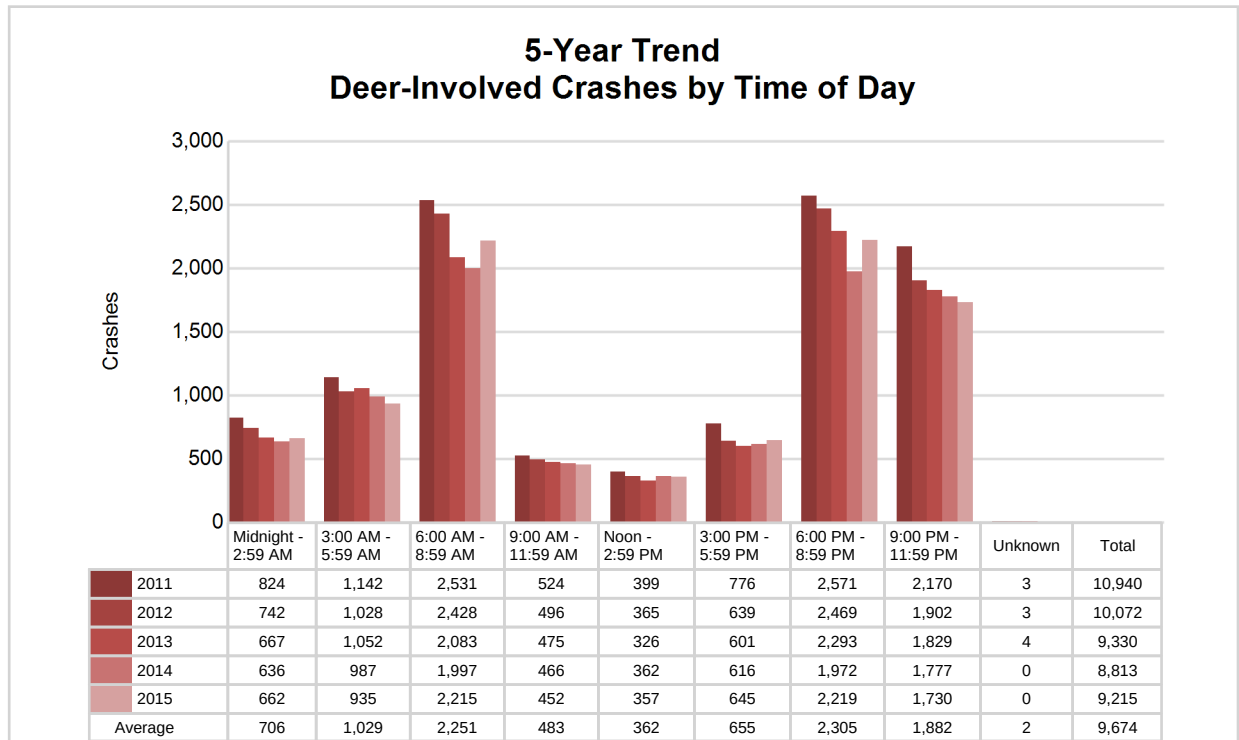
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	2,363	5.0	14	9.4	51	156	211	1,931
3:00 AM - 5:59 AM	2,200	4.6	12	8.1	33	94	149	1,912
6:00 AM - 8:59 AM	7,250	15.3	22	14.8	65	198	658	6,307
9:00 AM - 11:59 AM	5,584	11.8	13	8.7	77	220	678	4,596
Noon - 2:59 PM	7,748	16.4	20	13.4	131	358	1,016	6,223
3:00 PM - 5:59 PM	10,717	22.6	26	17.4	170	498	1,400	8,623
6:00 PM - 8:59 PM	6,926	14.6	22	14.8	126	299	727	5,752
9:00 PM - 11:59 PM	4,479	9.5	18	12.1	78	180	379	3,824
Unknown	52	0.1	2	1.3	0	2	0	48
Total	47,319	100.0	149	100.0	731	2,005	5,218	39,216



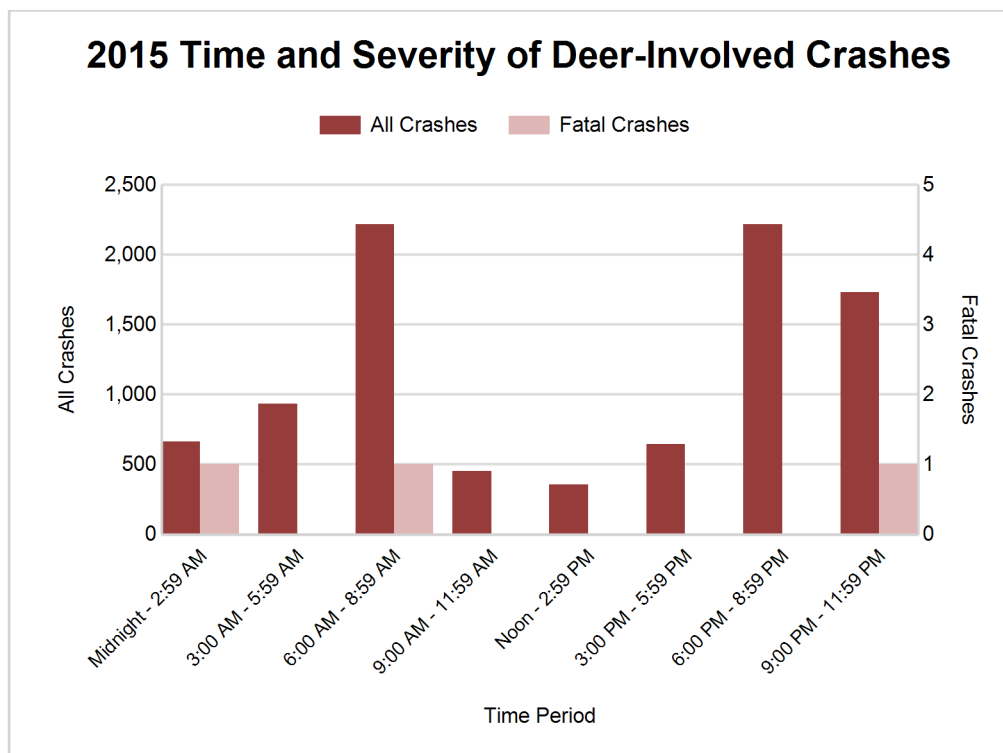
5-Year Trend - Deer-Involved Crashes by Time of Day

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	824	1	742	0	667	1	636	0	662	1
3:00 AM - 5:59 AM	1,142	1	1,028	0	1,052	0	987	0	935	0
6:00 AM - 8:59 AM	2,531	0	2,428	0	2,083	1	1,997	0	2,215	1
9:00 AM - 11:59 AM	524	0	496	1	475	0	466	0	452	0
Noon - 2:59 PM	399	0	365	0	326	0	362	0	357	0
3:00 PM - 5:59 PM	776	0	639	0	601	0	616	1	645	0
6:00 PM - 8:59 PM	2,571	1	2,469	0	2,293	2	1,972	0	2,219	0
9:00 PM - 11:59 PM	2,170	1	1,902	1	1,829	0	1,777	1	1,730	1
Unknown	3	0	3	0	4	0	0	0	0	0
Total	10,940	4	10,072	2	9,330	4	8,813	2	9,215	3

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



MDOT Region - Grand (continued)



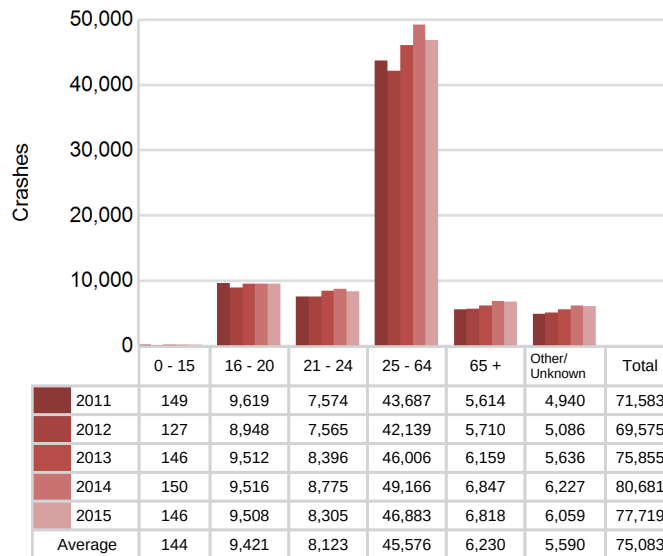
2015 - Reported Motor Vehicle Crashes by County

County	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Allegan	3,244	14	526	2,704	302	526	680	1,736	156	28	838	14	700
Barry	1,396	6	183	1,207	0	0	566	830	51	6	595	7	250
Ionia	1,542	4	259	1,279	285	0	478	779	60	11	494	5	326
Kent	20,394	61	3,755	16,578	2,319	1,985	4,191	11,899	817	94	1,528	64	4,912
Lake	397	1	53	343	0	95	53	249	16	1	205	1	66
Mason	1,272	2	117	1,153	0	524	26	722	26	12	682	3	155
Mecosta	1,694	4	210	1,480	0	239	639	816	70	16	737	4	268
Montcalm	2,032	6	306	1,720	0	100	730	1,202	75	13	999	6	431
Muskegon	4,618	16	858	3,744	85	1,007	574	2,952	155	29	541	18	1,202
Newaygo	1,241	7	184	1,050	0	0	434	807	51	10	565	7	263
Oceana	916	4	119	793	0	248	102	566	40	7	473	4	165
Osceola	991	6	80	905	0	327	132	532	30	10	588	7	111
Ottawa	7,582	18	1,304	6,260	789	1,001	691	5,101	261	38	970	19	1,807
Total	47,319	149	7,954	39,216	3,780	6,052	9,296	28,191	1,808	275	9,215	159	10,656

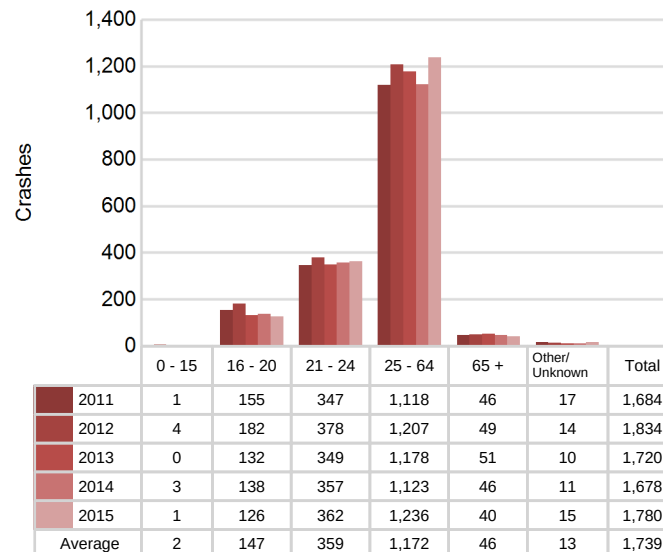
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	149	1	127	4	146	0	150	3	146	1
16 - 20	9,619	155	8,948	182	9,512	132	9,516	138	9,508	126
21 - 24	7,574	347	7,565	378	8,396	349	8,775	357	8,305	362
25 - 64	43,687	1,118	42,139	1,207	46,006	1,178	49,166	1,123	46,883	1,236
65 +	5,614	46	5,710	49	6,159	51	6,847	46	6,818	40
Unknown	4,940	17	5,086	14	5,636	10	6,227	11	6,059	15
Total	71,583	1,684	69,575	1,834	75,855	1,720	80,681	1,678	77,719	1,780

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



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



MDOT Region - Grand (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	3	1	1	1	0	1	0	0	0
16 - 20	209	194	107	126	2	15	50	21	38
21 - 24	431	371	310	362	3	46	131	84	98
25 - 64	1,680	1,352	1,021	1,236	10	106	339	330	451
65 +	68	81	30	40	0	6	10	7	17
Unknown	224	5	0	15	0	0	0	0	15
Total	2,615	2,004	1,469	1,780	15	174	530	442	619

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 2,615 drivers in alcohol-involved crashes; 1,780 (68.1%) of those drivers were coded as had-been-drinking by the officer on the crash form.

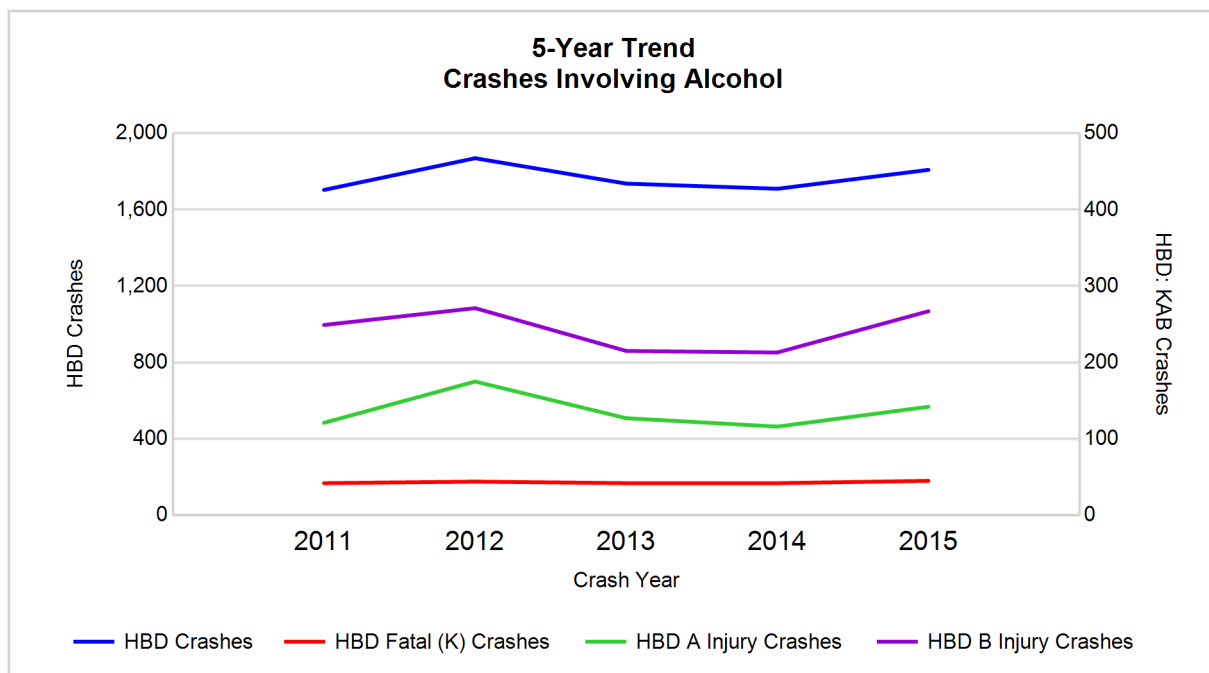
- 972 (54.6%) of the 1,780 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 442 (45.5%) of the 972 drivers had a BAC at or above 0.17 g/dL.
- 1,469 (82.5%) of the 1,780 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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	45,353	1,703	3.8	130	42	32.3	812	121	14.9	2,145	249	11.6
2012	43,976	1,869	4.3	146	44	30.1	804	175	21.8	2,174	271	12.5
2013	47,545	1,736	3.7	140	42	30.0	717	127	17.7	2,061	215	10.4
2014	49,033	1,709	3.5	142	42	29.6	733	116	15.8	2,051	213	10.4
2015	47,319	1,808	3.8	149**	45**	30.2	731	142	19.4	2,005*	267	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



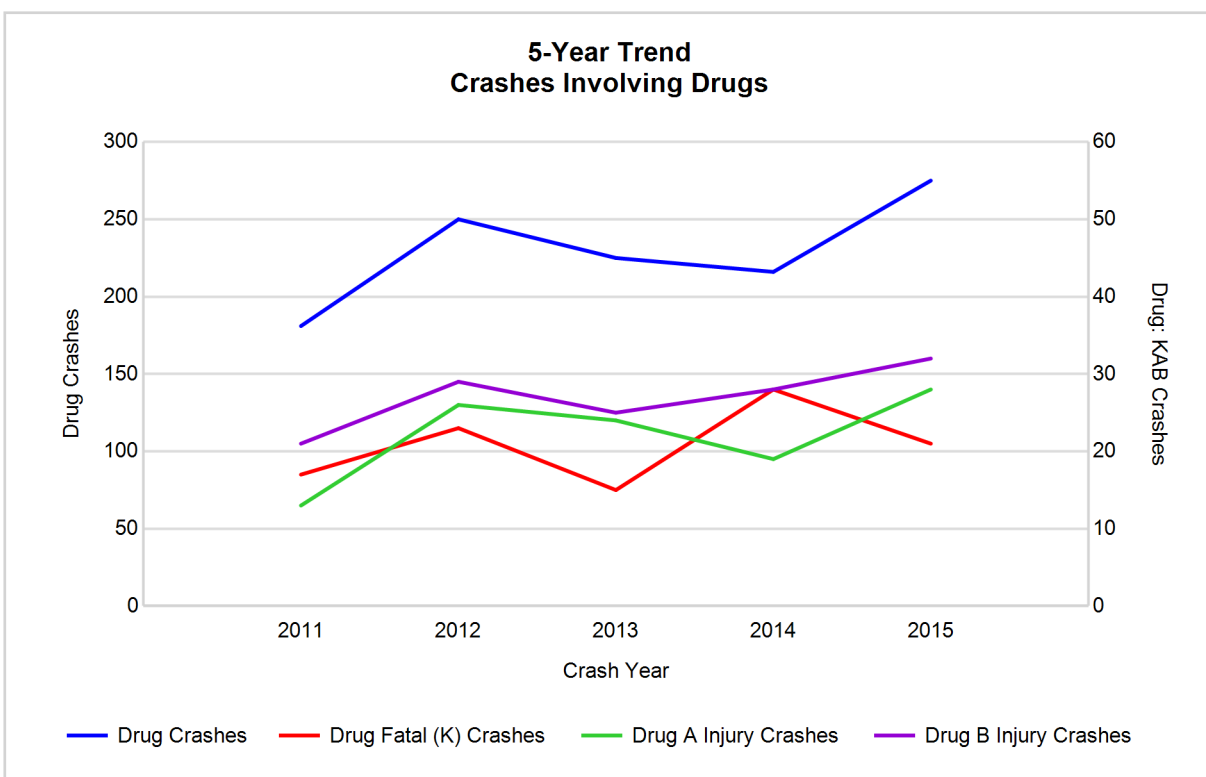
Note: Had-Been-Drinking (HBD)

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	45,353	181	0.4	130	17	13.1	812	13	1.6	2,145	21	1.0
2012	43,976	250	0.6	146	23	15.8	804	26	3.2	2,174	29	1.3
2013	47,545	225	0.5	140	15	10.7	717	24	3.3	2,061	25	1.2
2014	49,033	216	0.4	142	28	19.7	733	19	2.6	2,051	28	1.4
2015	47,319	275**	0.6	149**	21	14.1	731	28**	3.8**	2,005*	32**	1.6**

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



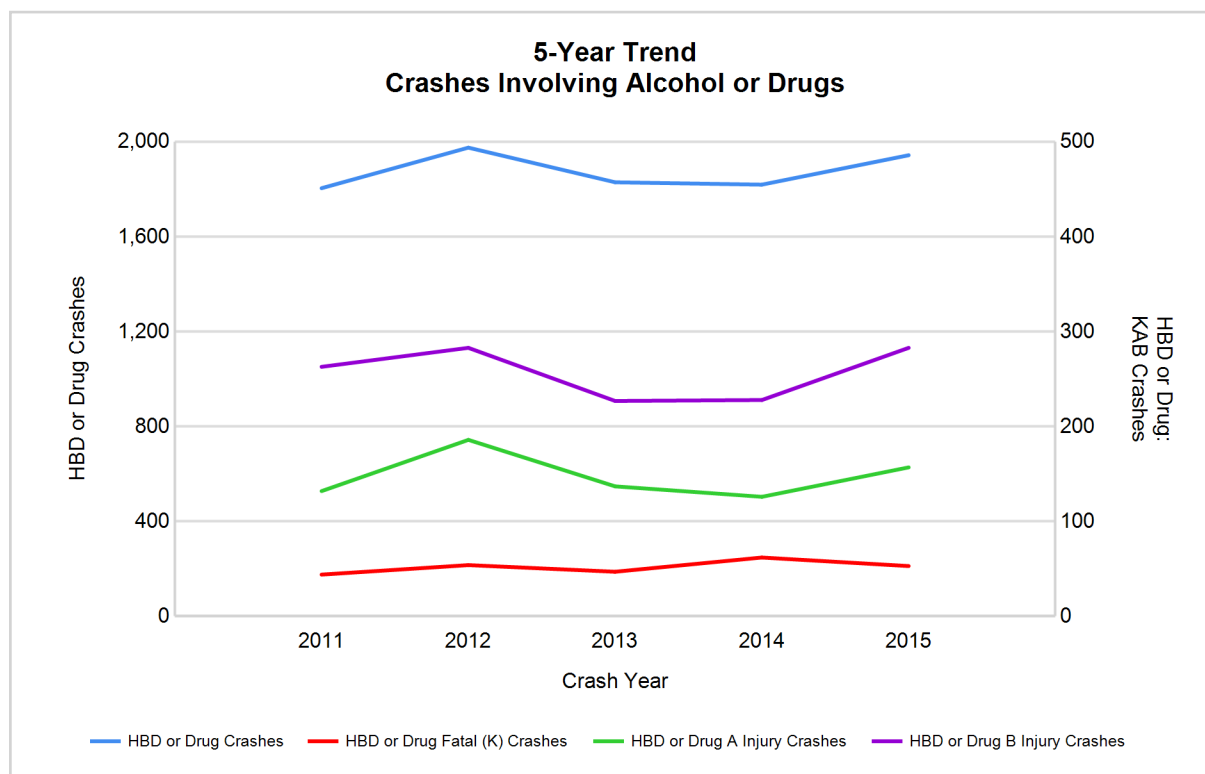
MDOT Region - Grand (continued)

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	45,353	1,805	4.0	130	44	33.8	812	132	16.3	2,145	263	12.3
2012	43,976	1,976	4.5	146	54	37.0	804	186	23.1	2,174	283	13.0
2013	47,545	1,830	3.8	140	47	33.6	717	137	19.1	2,061	227	11.0
2014	49,033	1,820	3.7	142	62	43.7	733	126	17.2	2,051	228	11.1
2015	47,319	1,944	4.1	149**	53	35.6	731	157	21.5	2,005*	283	14.1**

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)

2015 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Vehicle Type

Vehicle Type	Total Occupants			Fatalities			A - Incapacitating			B - Non-incapacitating			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 & station wagon	62,333	56,115	90.0	80	52	65.0	533	418	78.4	1,690	1,504	89.0	5,691	5,458	95.9	51,004	48,650	95.4
Van & motorhome	3,322	3,038	91.5	2	1	50.0	30	23	76.7	80	74	92.5	355	322	90.7	2,703	2,615	96.7
Pickup truck	9,472	8,525	90.0	16	8	50.0	92	65	70.7	263	224	85.2	562	538	95.7	8,019	7,683	95.8
Small truck under 10,000 lbs. GVWR	972	895	92.1	1	0	0.0	8	5	62.5	28	25	89.3	70	68	97.1	828	796	96.1
Cycle	611	412	67.4	20	7	35.0	119	72	60.5	179	130	72.6	135	104	77.0	139	99	71.2
Moped	104	39	37.5	1	0	0.0	11	5	45.5	39	10	25.6	25	14	56.0	24	10	41.7
Go Cart	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Snowmobile	14	12	85.7	0	0	0.0	4	3	75.0	2	2	100.0	2	2	100.0	5	5	100.0
Off-Road Vehicle (ORV) & All-Terrain Vehicle (ATV)	60	19	31.7	2	1	50.0	13	6	46.2	18	5	27.8	12	1	8.3	13	6	46.2
Other	288	165	57.3	0	0	0.0	2	0	0.0	11	5	45.5	14	6	42.9	225	154	68.4
Truck/bus over 10,000 lbs.	1,955	1,816	92.9	1	1	100.0	3	2	66.7	20	15	75.0	48	34	70.8	1,817	1,764	97.1
Unknown	1,272	12	0.9	0	0	0.0	1	0	0.0	0	0	0.0	1	0	0.0	50	3	6.0
Total	80,404	71,049	88.4	123	70	56.9	816	599	73.4	2,330	1,994	85.6	6,915	6,547	94.7	64,828	61,786	95.3

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.

2015 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Age

Age Group	Total Occupants			Fatalities			A - Incapacitating			B - Non-incapacitating			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	878	772	87.9	4	4	100.0	53	41	77.4	202	165	81.7	501	463	92.4	118	99	83.9
16 - 20	9,967	9,592	96.2	9	8	88.9	107	82	76.6	414	358	86.5	966	916	94.8	8,465	8,226	97.2
21 - 24	8,553	8,145	95.2	16	10	62.5	94	66	70.2	254	214	84.3	703	664	94.5	7,474	7,189	96.2
25 - 64	47,886	45,500	95.0	68	27	39.7	474	337	71.1	1,252	1,064	85.0	4,058	3,843	94.7	41,965	40,222	95.8
65 +	7,058	6,846	97.0	26	21	80.8	85	73	85.9	204	191	93.6	677	660	97.5	6,062	5,901	97.3
Unknown	6,062	194	3.2	0	0	0.0	3	0	0.0	4	2	50.0	10	1	10.0	744	149	20.0
Total	80,404	71,049	88.4	123	70	56.9	816	599	73.4	2,330	1,994	85.6	6,915	6,547	94.7	64,828	61,786	95.3

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.

MDOT Region - Grand (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	395	0	74	374	1	74	430	0	51	375	3	48	354	1	35
Shoulder belt only used	34	0	8	30	1	7	80	0	10	124	0	13	263	0	25
Lap belt only used	179	0	17	184	1	26	337	0	29	554	0	60	500	3	38
Both lap & shoulder belts used	63,437	44	6,546	60,832	40	6,304	66,268	45	6,471	69,822	47	6,618	67,462	44	6,454
No belts used	440	20	186	461	28	194	524	14	177	611	29	185	620	25	171
Child restraint used	7	0	0	5	0	0	2	0	0	5	0	1	0	0	0
Child restraint not used, unavailable or improper use	8	0	0	6	0	0	1	0	1	7	0	1	2	0	0
Restraint failure	11	0	1	22	0	6	24	0	3	64	0	9	54	1	5
Restraint use unknown	2,098	6	194	2,280	10	171	2,410	5	179	2,754	6	184	2,284	5	159
Helmet worn	639	19	464	600	13	459	500	12	362	490	10	353	461	8	323
Helmet not worn	76	2	60	233	15	166	240	18	167	220	11	168	223	11	160
Helmet use unknown	11	1	5	27	2	13	34	1	14	54	2	25	34	1	20
Uncoded & errors	4,248	0	13	4,521	0	7	5,005	0	11	5,601	0	6	5,462	0	10
Total	71,583	92	7,568	69,575	111	7,427	75,855	95	7,475	80,681	108	7,671	77,719	99	7,400

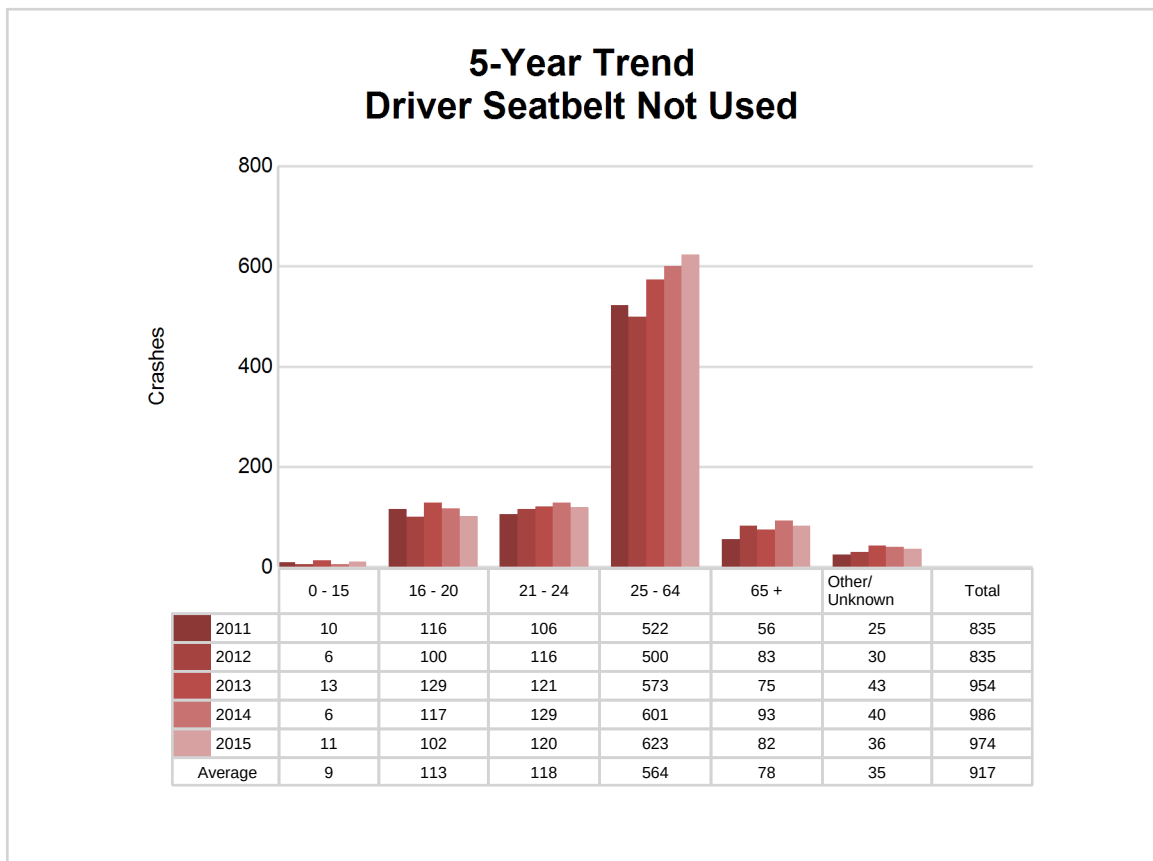
5-Year Trend - Restraint Use Among Drivers Coded Drinking

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	14	0	6	18	0	9	10	0	2	19	0	6	10	1	1
Shoulder belt only used	3	0	1	2	0	1	4	0	3	3	0	0	11	0	1
Lap belt only used	3	0	2	5	1	2	6	0	1	11	0	3	14	2	1
Both lap & shoulder belts used	1,210	9	287	1,275	6	309	1,274	11	316	1,216	6	276	1,322	4	346
No belts used	96	10	60	129	11	88	84	4	52	93	9	55	105	9	56
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	1	0	1	2	0	0	0	0	0
Restraint failure	1	0	0	3	0	2	4	0	1	7	0	1	8	0	0
Restraint use unknown	286	4	75	309	3	83	272	2	65	253	2	58	242	2	61
Helmet worn	40	7	28	44	3	38	19	1	16	17	2	13	18	2	14
Helmet not worn	20	1	19	35	6	23	40	9	27	39	4	31	34	5	26
Helmet use unknown	0	0	0	3	1	2	1	0	1	10	2	6	5	1	3
Uncoded & errors	11	0	4	11	0	2	5	0	0	8	0	1	11	0	0
Total	1,684	31	482	1,834	31	559	1,720	27	485	1,678	25	450	1,780	26	509

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	10	0	4	6	0	2	13	0	3	6	0	0	11	0	4
16 - 20	116	0	45	100	0	35	129	2	35	117	4	36	102	1	24
21 - 24	106	4	36	116	6	53	121	0	37	129	3	34	120	2	28
25 - 64	522	12	157	500	17	157	573	8	135	601	19	138	623	19	132
65 +	56	4	18	83	6	20	75	4	17	93	6	25	82	4	17
Unknown	25	0	0	30	0	1	43	0	1	40	0	0	36	0	1
Total	835	20	260	835	29	268	954	14	228	986	32	233	974	26	206

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



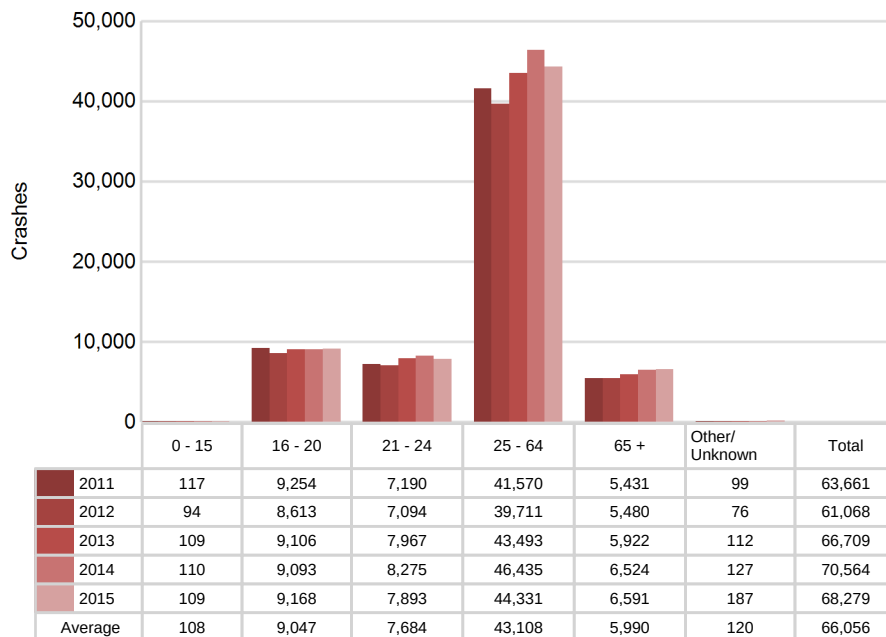
MDOT Region - Grand (continued)

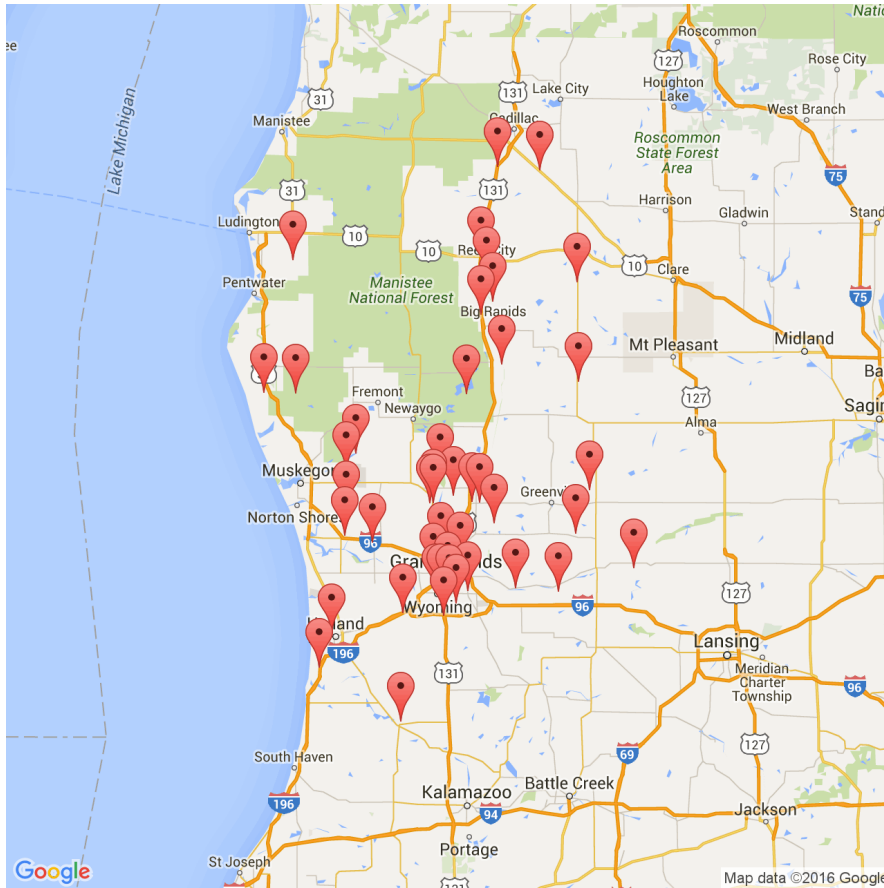
5-Year Trend - Seatbelt Used Among Drivers by Age

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	117	0	10	94	0	11	109	0	16	110	0	6	109	0	13
16 - 20	9,254	8	972	8,613	7	920	9,106	6	940	9,093	4	875	9,168	8	941
21 - 24	7,190	5	748	7,094	3	788	7,967	5	775	8,275	6	769	7,893	7	711
25 - 64	41,570	18	4,189	39,711	22	3,981	43,493	17	4,125	46,435	17	4,283	44,331	22	4,173
65 +	5,431	13	651	5,480	10	642	5,922	17	657	6,524	20	765	6,591	11	684
Unknown	99	0	2	76	0	1	112	0	0	127	0	2	187	0	0
Total	63,661	44	6,572	61,068	42	6,343	66,709	45	6,513	70,564	47	6,700	68,279	48	6,522

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





The picture above represents all 2015 alcohol-involved fatal crashes in MDOT Region - Grand. In

2015, there were 1,808 alcohol-involved crashes in MDOT Region - Grand:

45	K - Fatal Crashes
142	A - Incapacitating Injury Crashes
267	B - Non-incapacitating Injury Crashes
277	C - Possible Injury Crashes
1,077	O - Property Damage Only/No Injury Crashes

Office of Highway Safety Planning

Physical Address:
7150 Harris Drive
Dimondale, Michigan 48821

Mailing Address:
P.O. Box 30634
Lansing, Michigan 48909

Phone: (517) 284-3140
Fax: (517) 284-3151

Find us on the web:
MichiganTrafficCrashFacts.org

