



2014

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

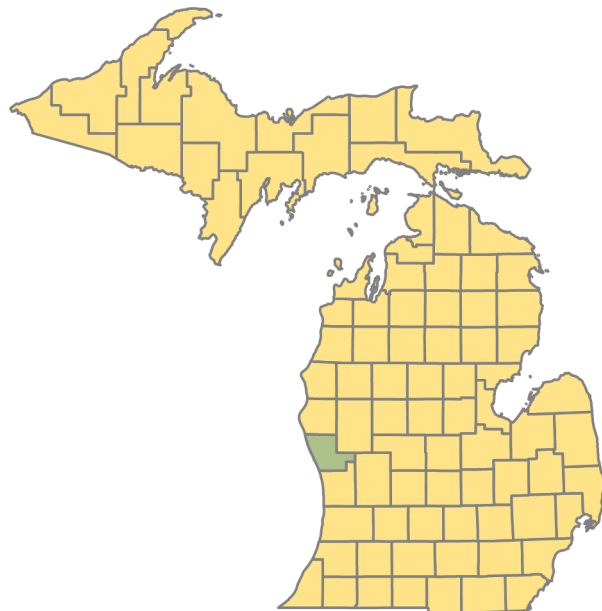
O = No Injury

Property Damage Only (PDO)



Muskegon County

2014 Traffic Crash Data & 2010-2014 5-Year Trends



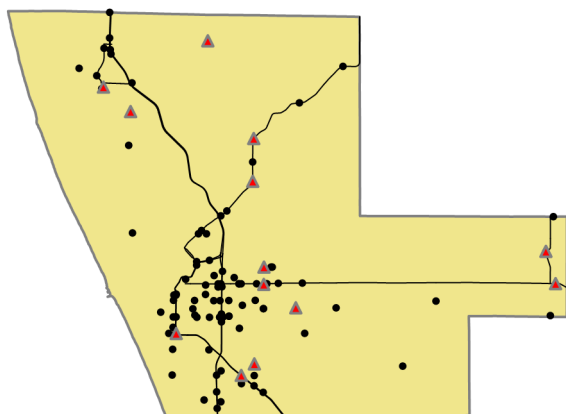
Sources:

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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Muskegon County

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Crashes by most severe injury (mapped/actual)

- ▲ K - Fatal (13/13)
- A - Incapacitating (93/93)

Muskegon County

In 2014:

There were 8,168 drivers involved in 4,764 motor vehicle crashes in Muskegon County. Of those crashes, 13 were classified as fatal, resulting in 16 fatalities. An additional 1,252 persons were injured.

Muskegon County experienced the highest number of motor vehicle crashes (735) in January, the highest number of fatal crashes (3) in December, and the highest number of persons killed (4) in January.

Michigan driver statistics indicate 6.5 percent of licensed drivers in Muskegon County were age 16-20, and 11.9 percent of drivers in crashes were also in that age group.

2014 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	735	1	92	642	4	125
February	477	0	91	386	0	119
March	393	0	67	326	0	98
April	246	1	51	194	1	72
May	316	1	57	258	1	87
June	330	1	63	266	1	91
July	295	2	84	209	2	113
August	307	2	70	235	2	99
September	296	1	82	213	1	116
October	365	1	72	292	1	105
November	627	0	95	532	0	123
December	377	3	73	301	3	104
Total	4,764	13	897	3,854	16	1,252

2014 - Driver Statistics

Age Group	Statewide			Driver Rates	
	2014 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	36,138	660	8	2.2	121.2
16 - 20	11,101	7,875	975	878.3	1,238.1
21 - 24	9,262	8,093	794	857.3	981.1
25 - 64	89,835	80,831	4,905	546.0	606.8
65 +	26,008	23,720	811	311.8	341.9
Unknown	--	--	675	--	--
Total	172,344	121,179	8,168	473.9	674.0

2014 - 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	6,554	80.2	15	75.0	1,245	5,294
Van & motorhome	177	2.2	0	0.0	50	127
Pickup truck	782	9.6	2	10.0	134	646
Small truck under 10,000 lbs. GVWR	135	1.7	0	0.0	30	105
Cycle	89	1.1	2	10.0	69	18
Moped	17	0.2	0	0.0	15	2
Go Cart	1	0.0	0	0.0	0	1
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle (ORV) & All-Terrain Vehicle (ATV)	1	0.0	0	0.0	0	1
Other	115	1.4	0	0.0	26	89
Truck/bus over 10,000 lbs.	165	2.0	1	5.0	26	138
Unknown	132	1.6	0	0.0	9	123
Total	8,168	100.0	20	100.0	1,604	6,544

Muskegon County (continued)

5-Year Trend - Crashes by Month

Month	2010		2011		2012		2013		2014	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	368	0	617	2	518	1	529	3	735	1
February	463	0	462	2	297	0	518	0	477	0
March	245	2	313	4	276	3	315	0	393	0
April	270	1	244	1	265	0	238	0	246	1
May	325	2	318	1	362	3	309	4	316	1
June	323	2	352	1	305	1	324	1	330	1
July	334	0	363	2	285	3	333	0	295	2
August	323	3	305	1	295	2	262	0	307	2
September	353	3	289	1	301	2	292	2	296	1
October	425	2	381	4	377	0	388	0	365	1
November	348	0	383	1	373	0	569	0	627	0
December	532	0	346	2	420	0	599	1	377	3
Total	4,309	15	4,373	22	4,074	15	4,676	11	4,764	13

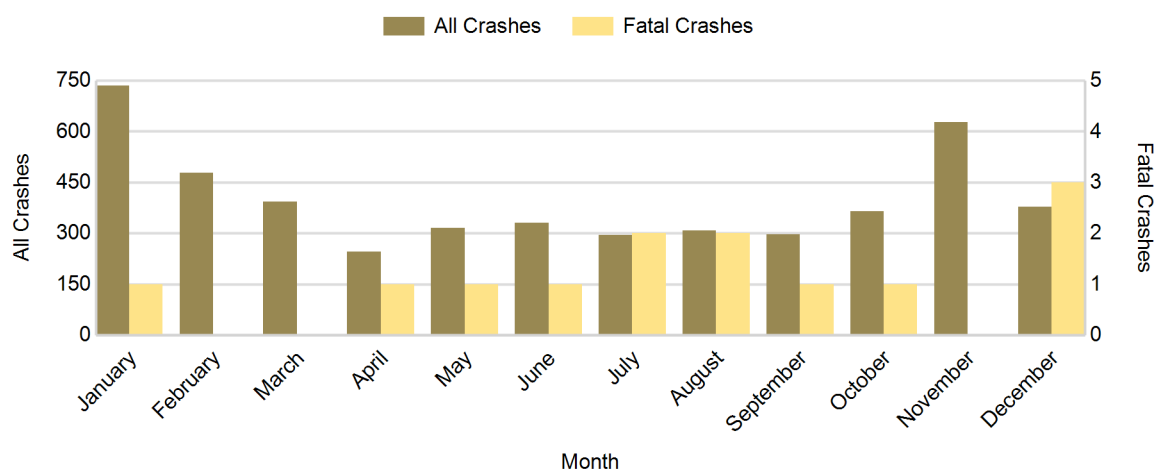
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

5-Year Trend - Crashes by Day of Week

Day	2010		2011		2012		2013		2014	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	649	3	626	3	556	1	660	0	732	1
Tuesday	637	1	630	4	644	3	700	3	734	0
Wednesday	667	2	667	2	558	2	663	0	675	1
Thursday	647	0	630	2	640	1	727	4	851	3
Friday	730	5	757	7	710	2	787	0	767	2
Saturday	551	3	644	3	569	4	674	2	592	3
Sunday	428	1	419	1	397	2	465	2	413	3
Total	4,309	15	4,373	22	4,074	15	4,676	11	4,764	13

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

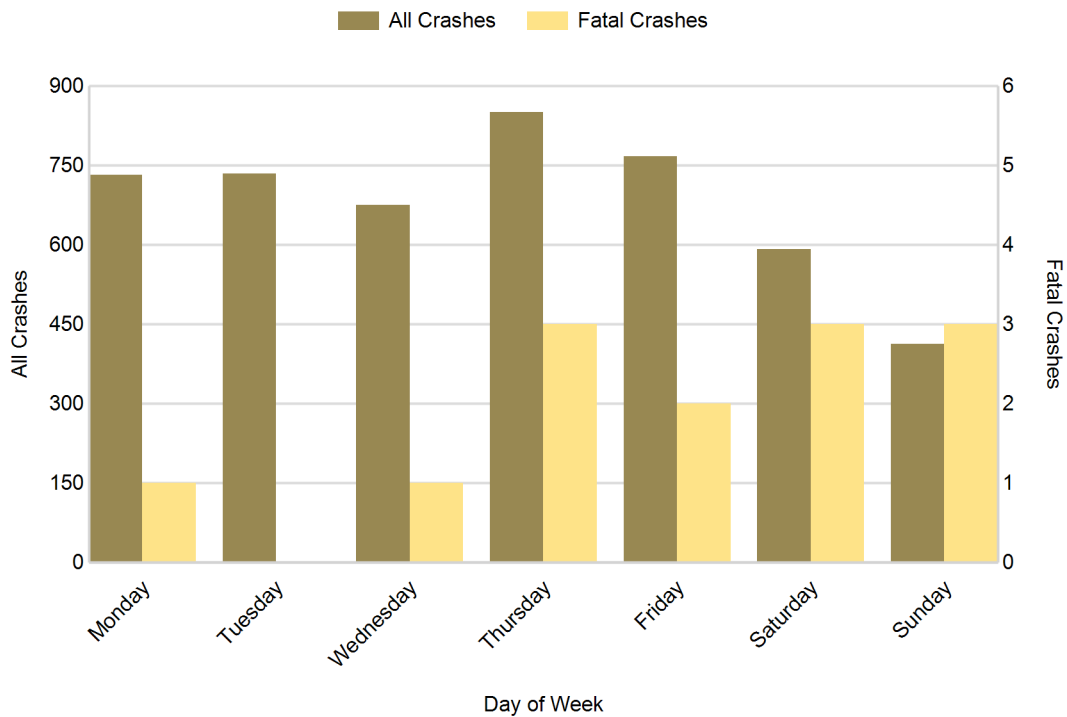
2014 Crashes by Month



2014 - 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	732	15.4	1	7.7	12	35	79	605
Tuesday	734	15.4	0	0.0	8	39	90	597
Wednesday	675	14.2	1	7.7	17	30	75	552
Thursday	851	17.9	3	23.1	18	54	77	699
Friday	767	16.1	2	15.4	12	52	77	624
Saturday	592	12.4	3	23.1	15	54	62	458
Sunday	413	8.7	3	23.1	11	35	45	319
Total	4,764	100.0	13	100.0	93	299	505	3,854

2014 Day of Week and Severity

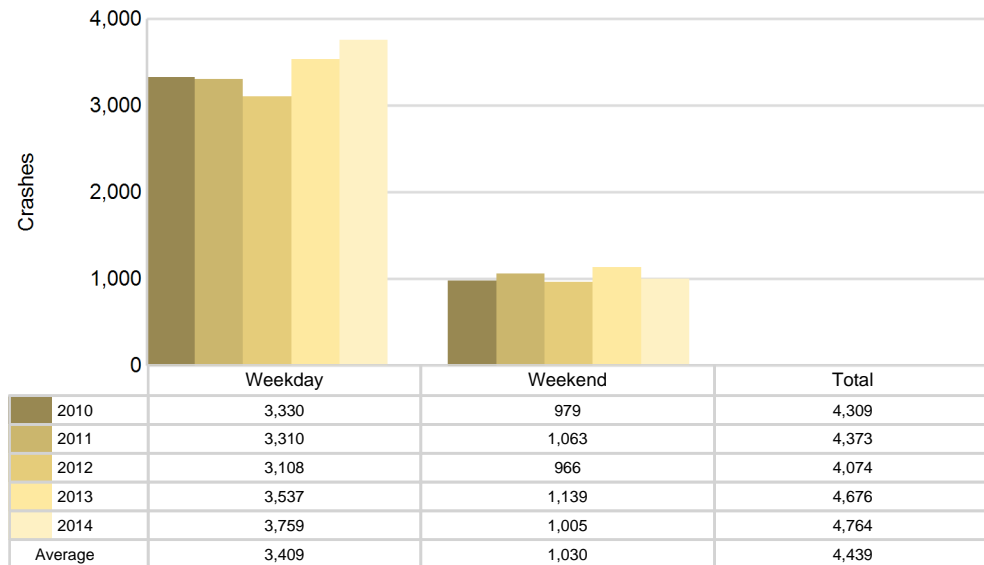


Muskegon County (continued)

5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2010		2011		2012		2013		2014	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	3,330	11	3,310	18	3,108	9	3,537	7	3,759	7
Weekend	979	4	1,063	4	966	6	1,139	4	1,005	6
Total	4,309	15	4,373	22	4,074	15	4,676	11	4,764	13

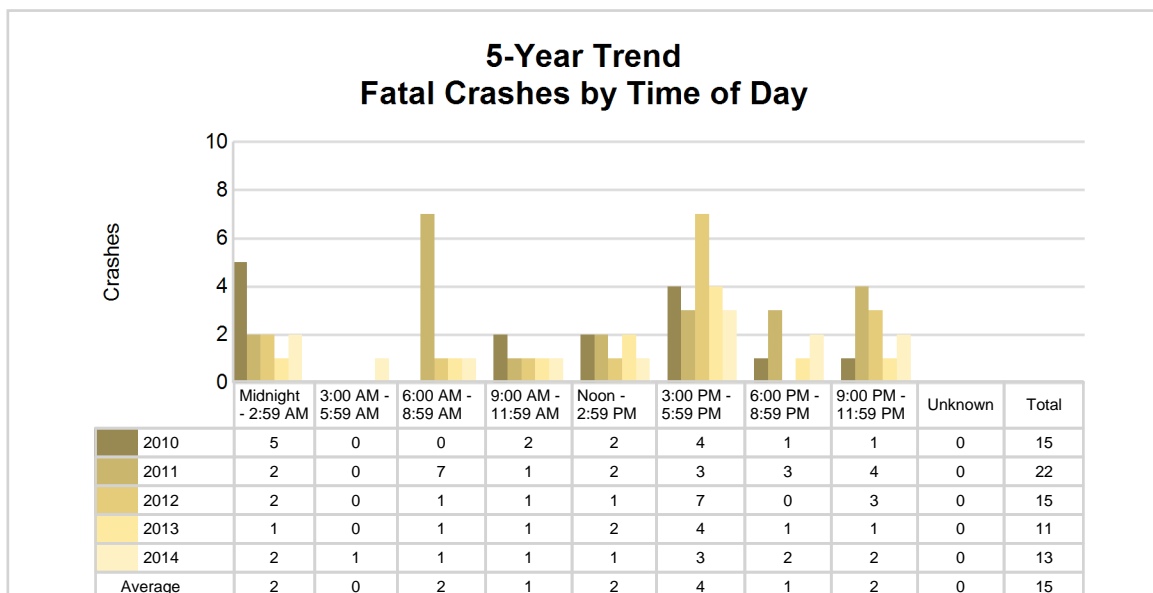
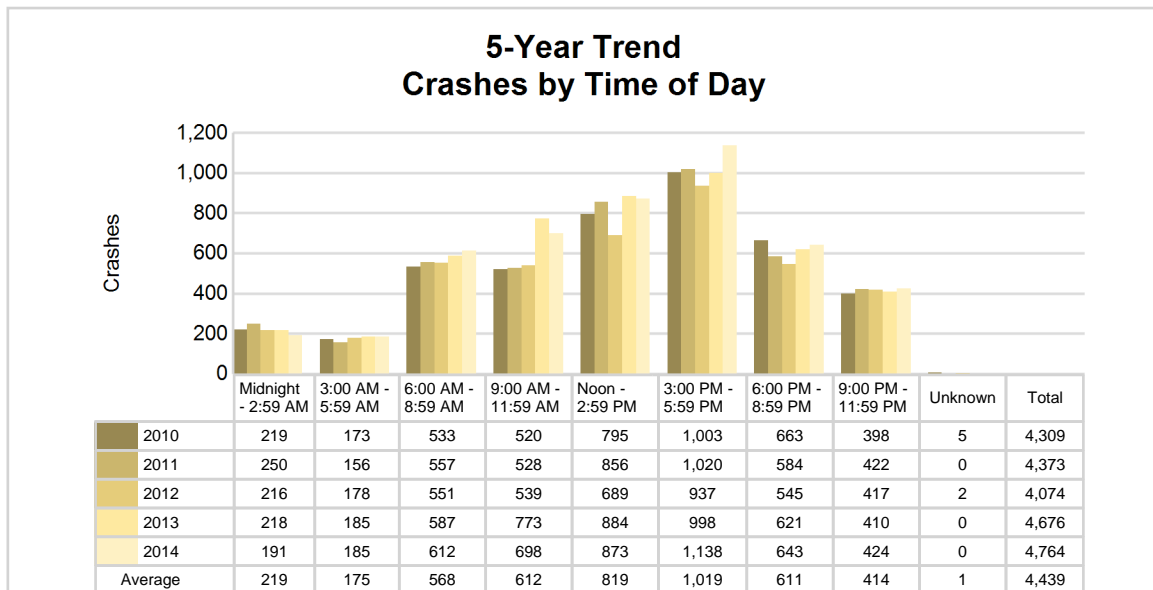
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

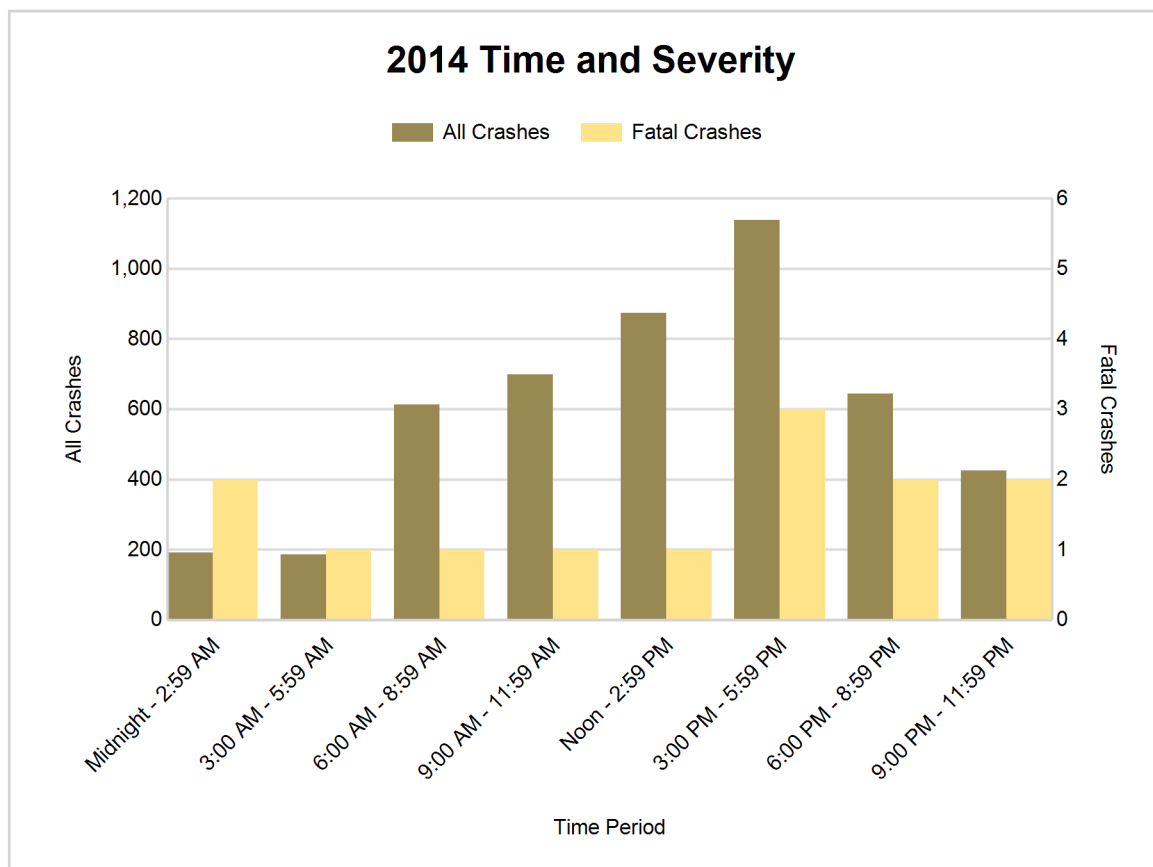
Time of Day	2010		2011		2012		2013		2014	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	219	5	250	2	216	2	218	1	191	2
3:00 AM - 5:59 AM	173	0	156	0	178	0	185	0	185	1
6:00 AM - 8:59 AM	533	0	557	7	551	1	587	1	612	1
9:00 AM - 11:59 AM	520	2	528	1	539	1	773	1	698	1
Noon - 2:59 PM	795	2	856	2	689	1	884	2	873	1
3:00 PM - 5:59 PM	1,003 †	4	1,020 †	3	937 †	7	998 †	4	1,138 †	3
6:00 PM - 8:59 PM	663	1	584	3	545	0	621	1	643	2
9:00 PM - 11:59 PM	398	1	422	4	417	3	410	1	424	2
Unknown	5	0	0	0	2	0	0	0	0	0
Total	4,309	15	4,373	22	4,074	15	4,676	11	4,764	13

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



2014 - Time and Severity

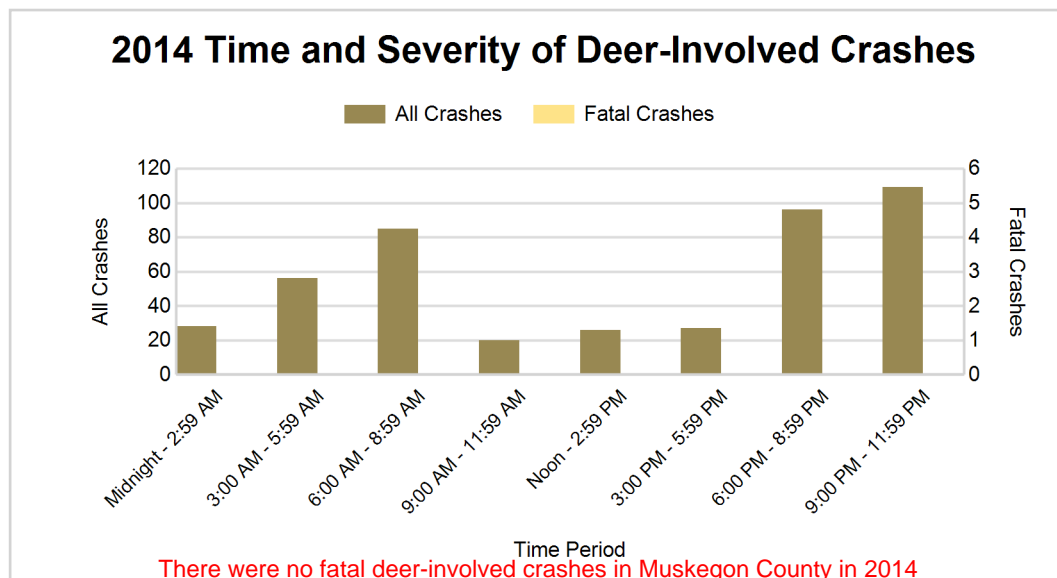
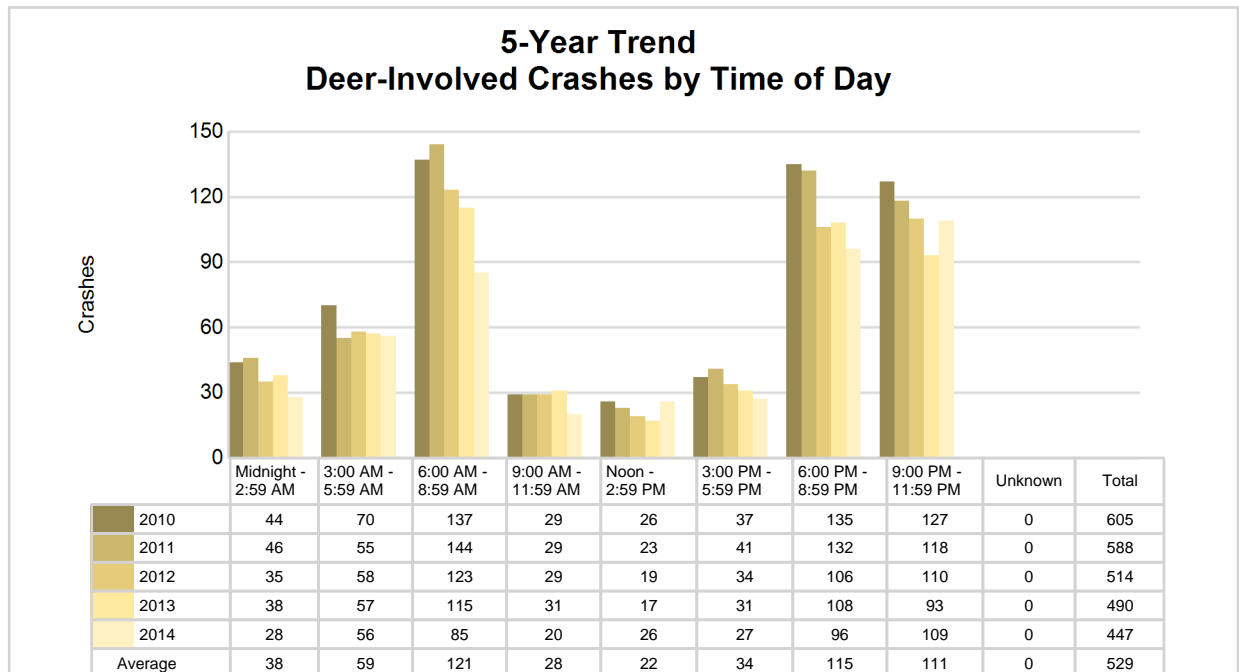
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	191	4.0	2	15.4	11	17	22	139
3:00 AM - 5:59 AM	185	3.9	1	7.7	3	8	10	163
6:00 AM - 8:59 AM	612	12.8	1	7.7	15	25	59	512
9:00 AM - 11:59 AM	698	14.7	1	7.7	10	33	83	571
Noon - 2:59 PM	873	18.3	1	7.7	14	62	102	694
3:00 PM - 5:59 PM	1,138	23.9	3	23.1	18	65	138	914
6:00 PM - 8:59 PM	643	13.5	2	15.4	12	59	60	510
9:00 PM - 11:59 PM	424	8.9	2	15.4	10	30	31	351
Unknown	0	0.0	0	0.0	0	0	0	0
Total	4,764	100.0	13	100.0	93	299	505	3,854



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

Time of Day	2010		2011		2012		2013		2014	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	44	0	46	0	35	0	38	0	28	0
3:00 AM - 5:59 AM	70	0	55	0	58	0	57	0	56	0
6:00 AM - 8:59 AM	137	0	144	0	123	0	115	0	85	0
9:00 AM - 11:59 AM	29	0	29	0	29	0	31	0	20	0
Noon - 2:59 PM	26	0	23	0	19	0	17	0	26	0
3:00 PM - 5:59 PM	37	0	41	0	34	0	31	0	27	0
6:00 PM - 8:59 PM	135	0	132	0	106	0	108	0	96	0
9:00 PM - 11:59 PM	127	0	118	0	110	0	93	0	109	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	605	0	588	0	514	0	490	0	447	0

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



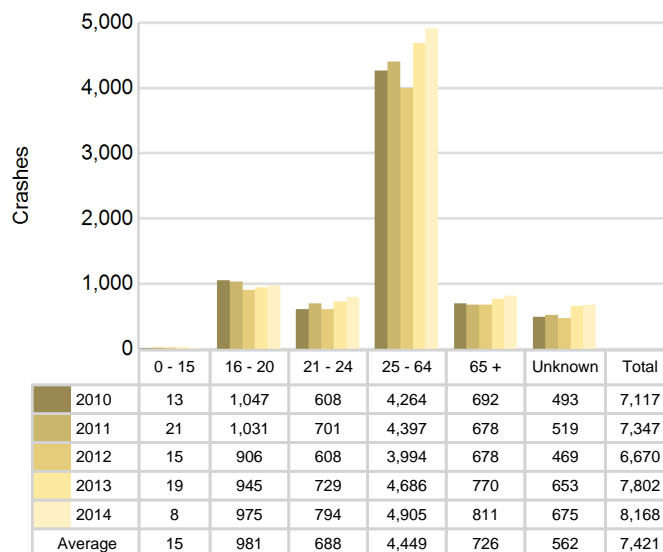
2014 - Reported Motor Vehicle Crashes by Municipality

Municipality	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Blue Lake Twp.	35	1	5	29	0	0	0	35	0	1	3	1	10
Casnovia	5	0	1	4	0	0	5	0	0	0	2	0	1
Casnovia Twp.	98	2	18	78	0	0	62	36	1	1	39	5	28
Cedar Creek Twp.	45	0	16	29	0	0	3	42	1	0	10	0	19
Dalton Twp.	269	2	45	222	0	94	60	115	6	1	38	2	61
Egelston Twp.	138	1	37	100	0	0	62	76	5	1	13	1	58
Fruitland Twp.	95	0	16	79	0	6	0	89	7	0	40	0	21
Fruitport	32	0	5	27	0	0	0	32	1	0	0	0	5
Fruitport Twp.	322	2	58	262	73	3	0	246	7	1	31	2	93
Holton Twp.	76	0	21	55	0	0	38	38	5	0	13	0	31
Laketon Twp.	81	0	12	69	0	0	0	81	3	0	22	0	17
Lakewood Club	17	0	2	15	0	2	0	15	1	0	1	0	2
Montague	42	0	7	35	0	24	0	18	3	0	9	0	8
Montague Twp.	82	0	13	69	0	56	0	26	1	1	28	0	19
Moorland Twp.	50	0	9	41	0	0	20	30	2	1	24	0	17
Muskegon	1,254	0	232	1,022	0	265	113	876	31	1	11	0	314
Muskegon Heights	320	1	59	260	0	16	0	304	5	3	1	1	72
Muskegon Twp.	562	2	138	422	0	145	212	205	13	1	12	2	195
North Muskegon	76	0	9	67	0	0	26	50	1	0	4	0	13
Norton Shores	816	0	132	684	5	358	0	453	17	0	50	0	179
Ravenna	15	0	2	13	0	0	0	15	1	0	1	0	4
Ravenna Twp.	74	0	6	68	0	0	0	74	1	0	42	0	8
Roosevelt Park	25	0	4	21	0	0	0	25	1	0	0	0	4
Sullivan Twp.	62	0	11	51	0	0	0	62	1	0	21	0	16
White River Twp.	19	0	4	15	0	0	0	19	1	0	7	0	5
Whitehall	76	1	14	61	0	35	0	41	2	0	15	1	24
Whitehall Twp.	78	1	21	56	0	48	0	30	3	2	10	1	28
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	4,764	13	897	3,854	78	1,052	601	3,033	120	14	447	16	1,252

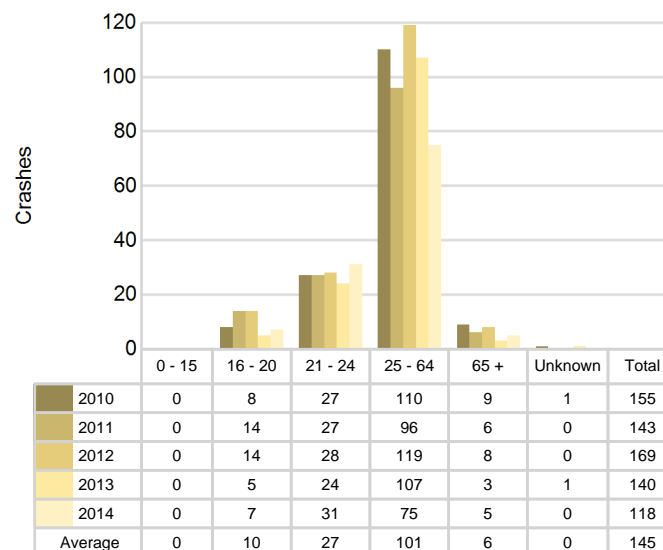
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2010		2011		2012		2013		2014	
	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	13	0	21	0	15	0	19	0	8	0
16 - 20	1,047	8	1,031	14	906	14	945	5	975	7
21 - 24	608	27	701	27	608	28	729	24	794	31
25 - 64	4,264	110	4,397	96	3,994	119	4,686	107	4,905	75
65 +	692	9	678	6	678	8	770	3	811	5
Unknown	493	1	519	0	469	0	653	1	675	0
Total	7,117	155	7,347	143	6,670	169	7,802	140	8,168	118

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



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



2014 - 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	9	15	7	7	1	0	2	3	1
21 - 24	35	34	30	31	1	0	8	13	9
25 - 64	105	104	65	75	1	4	21	23	26
65 +	10	7	5	5	1	1	3	0	0
Unknown	7	0	0	0	0	0	0	0	0
Total	166	160	107	118	4	5	34	39	36

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 2014, there were 166 drivers in alcohol-involved crashes; 118 (71.1%) of those drivers were coded as had-been-drinking by the officer on the crash form.

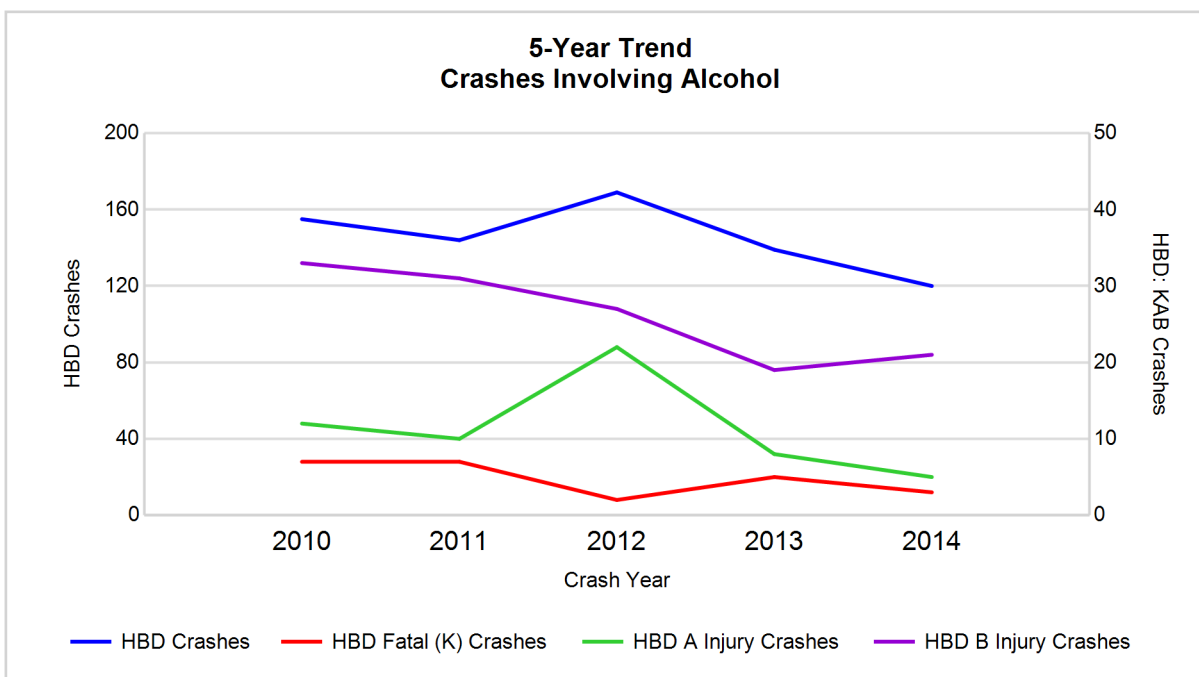
- 73 (61.9%) of the 118 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 39 (53.4%) of the 73 drivers had a BAC at or above 0.17 g/dL.
- 107 (90.7%) of the 118 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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
2010	4,309	155	3.6	15	7	46.7	75	12	16.0	282	33	11.7
2011	4,373	144	3.3	22	7	31.8	83	10	12.0	290	31	10.7
2012	4,074	169	4.1	15	2	13.3	105	22	21.0	300	27	9.0
2013	4,676	139	3.0	11	5	45.5	72	8	11.1	280	19	6.8
2014	4,764**	120*	2.5*	13	3	23.1	93	5*	5.4*	299	21	7.0

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



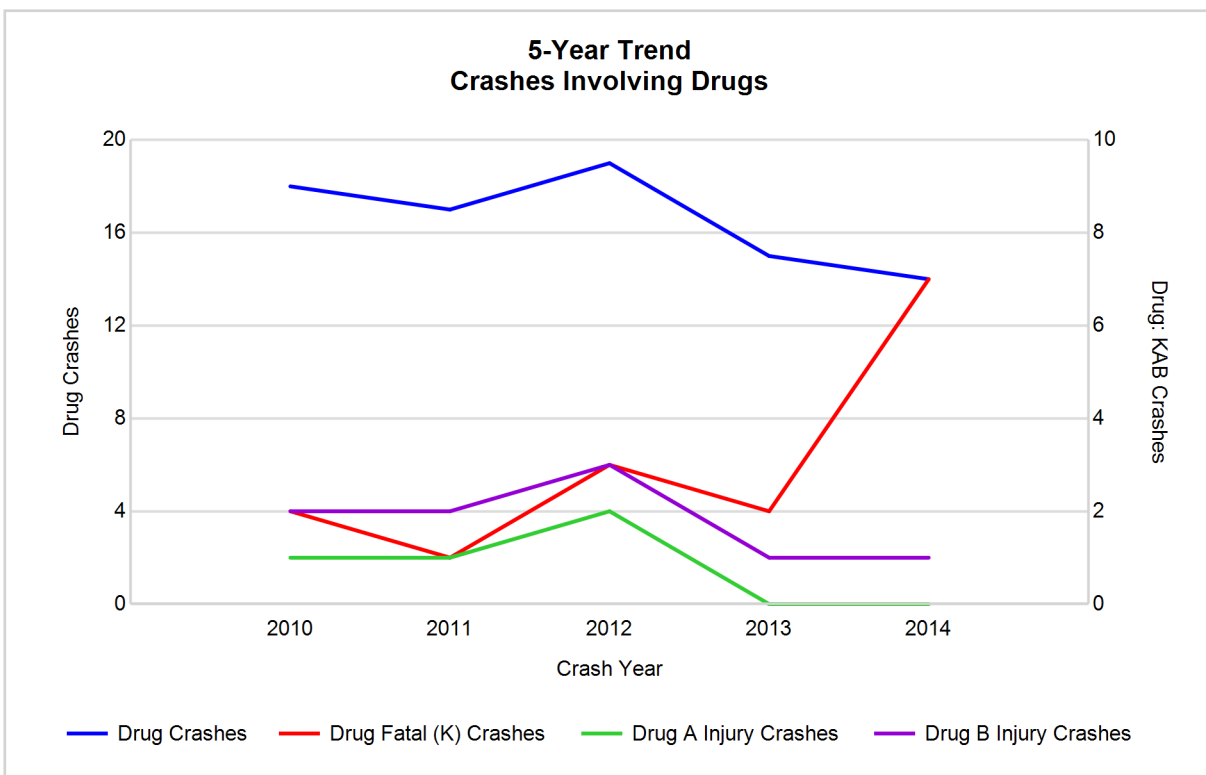
Note: Had-Been-Drinking (HBD)

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
2010	4,309	18	0.4	15	2	13.3	75	1	1.3	282	2	0.7
2011	4,373	17	0.4	22	1	4.5	83	1	1.2	290	2	0.7
2012	4,074	19	0.5	15	3	20.0	105	2	1.9	300	3	1.0
2013	4,676	15	0.3	11	2	18.2	72	0	0.0	280	1	0.4
2014	4,764**	14*	0.3	13	7**	53.8**	93	0	0.0	299	1	0.3*

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

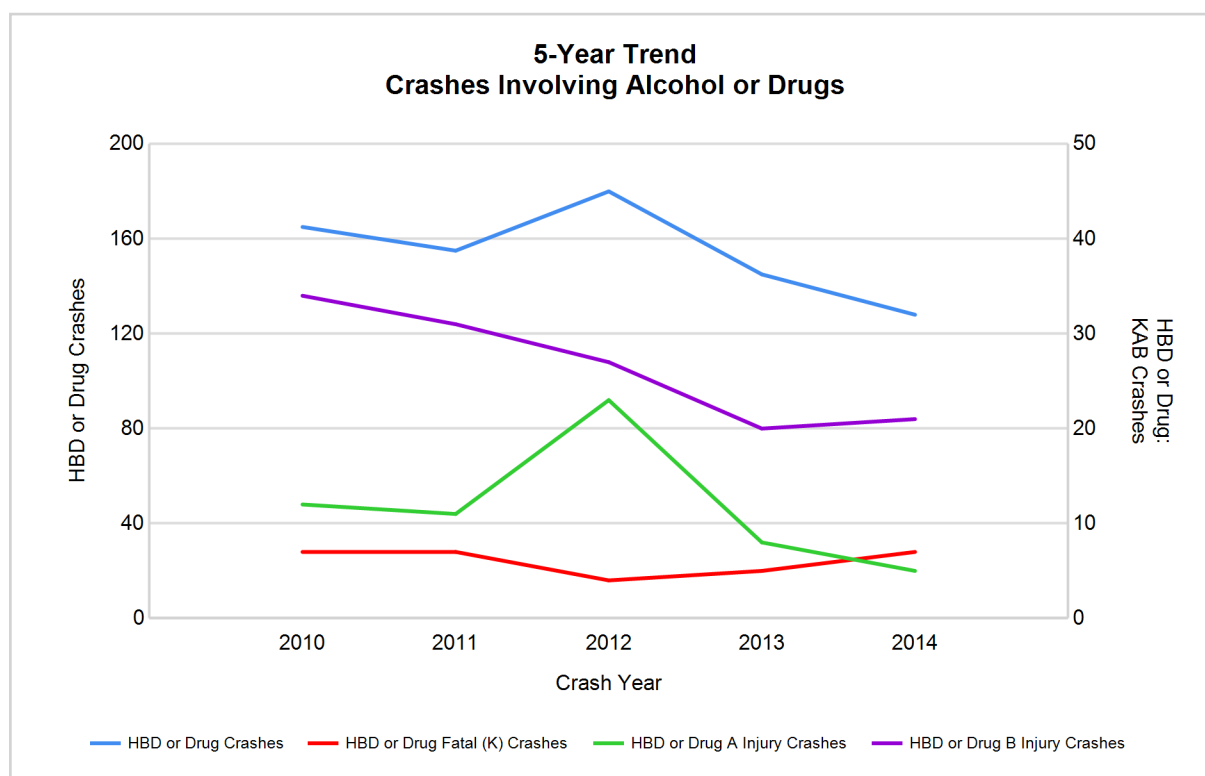


5-Year Trend - Crashes Involving Alcohol or Drugs

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
2010	4,309	165	3.8	15	7	46.7	75	12	16.0	282	34	12.1
2011	4,373	155	3.5	22	7	31.8	83	11	13.3	290	31	10.7
2012	4,074	180	4.4	15	4	26.7	105	23	21.9	300	27	9.0
2013	4,676	145	3.1	11	5	45.5	72	8	11.1	280	20	7.1
2014	4,764**	128*	2.7*	13	7	53.8**	93	5*	5.4*	299	21	7.0*

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



Note: Had-Been-Drinking (HBD)

2014 - 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	6,858	6,155	89.7	11	5	45.5	75	65	86.7	277	262	94.6	587	551	93.9	5,596	5,267	94.1
Van & motorhome	189	165	87.3	0	0	0.0	1	1	100.0	11	9	81.8	25	24	96.0	138	131	94.9
Pickup truck	795	735	92.5	2	2	100.0	4	4	100.0	24	20	83.3	42	40	95.2	697	669	96.0
Small truck under 10,000 lbs. GVWR	137	125	91.2	0	0	0.0	1	1	100.0	3	3	100.0	12	11	91.7	114	110	96.5
Cycle	105	59	56.2	2	0	0.0	17	8	47.1	41	26	63.4	24	12	50.0	20	13	65.0
Moped	18	6	33.3	0	0	0.0	4	1	25.0	6	3	50.0	5	1	20.0	3	1	33.3
Go Cart	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
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)	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Other	127	105	82.7	0	0	0.0	3	1	33.3	8	7	87.5	14	13	92.9	96	84	87.5
Truck/bus over 10,000 lbs.	171	152	88.9	0	0	0.0	0	0	0.0	2	0	0.0	7	2	28.6	159	150	94.3
Unknown	132	4	3.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	18	3	16.7
Total	8,534	7,506	88.0	15	7	0.0	105	81	77.1	372	330	88.7	716	654	91.3	6,843	6,428	93.9

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.

2014 - 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	114	94	82.5	1	0	0.0	7	5	71.4	23	22	95.7	79	64	81.0	4	3	75.0
16 - 20	1,013	971	95.9	1	1	100.0	16	13	81.3	44	42	95.5	77	73	94.8	875	842	96.2
21 - 24	829	777	93.7	1	0	0.0	5	1	20.0	36	31	86.1	84	80	95.2	703	665	94.6
25 - 64	5,056	4,819	95.3	9	4	44.4	63	49	77.8	216	189	87.5	398	367	92.2	4,370	4,210	96.3
65 +	847	805	95.0	3	2	66.7	14	13	92.9	53	46	86.8	76	70	92.1	701	674	96.1
Unknown	675	40	5.9	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0	190	34	17.9
Total	8,534	7,506	88.0	15	7	0.0	105	81	77.1	372	330	88.7	716	654	91.3	6,843	6,428	93.9

Note: Restraint Use includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, child restraint used, restraint failure, and helmet worn.

5-Year Trend - Restraint Use Among Drivers

Restraint Use	2010			2011			2012			2013			2014		
	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	18	0	4	26	0	6	20	0	1	18	0	4	27	0	3
Shoulder belt only used	9	0	1	7	0	2	5	0	1	3	0	0	10	0	1
Lap belt only used	13	0	1	15	0	1	17	0	3	13	0	0	14	0	2
Both lap & shoulder belts used	6,231	4	653	6,469	7	615	5,782	3	640	6,814	3	618	7,114	5	710
No belts used	55	0	24	49	3	15	54	3	17	56	1	10	58	0	12
Child restraint used	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child restraint not used, unavailable or improper use	1	0	1	0	0	0	2	0	0	0	0	0	0	0	0
Restraint failure	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Restraint use unknown	292	2	37	298	0	32	298	0	29	346	1	26	356	2	23
Helmet worn	104	4	76	90	3	64	80	1	62	53	2	36	55	0	41
Helmet not worn	8	1	6	12	0	9	42	2	30	48	3	37	46	2	38
Helmet use unknown	3	0	0	4	0	1	4	1	1	8	0	3	7	0	2
Uncoded & errors	382	0	0	377	0	0	366	0	1	443	0	0	480	0	0
Total	7,117	11	803	7,347	13	745	6,670	10	785	7,802	10	734	8,168	9	833

5-Year Trend - Restraint Use Among Drivers Coded Drinking

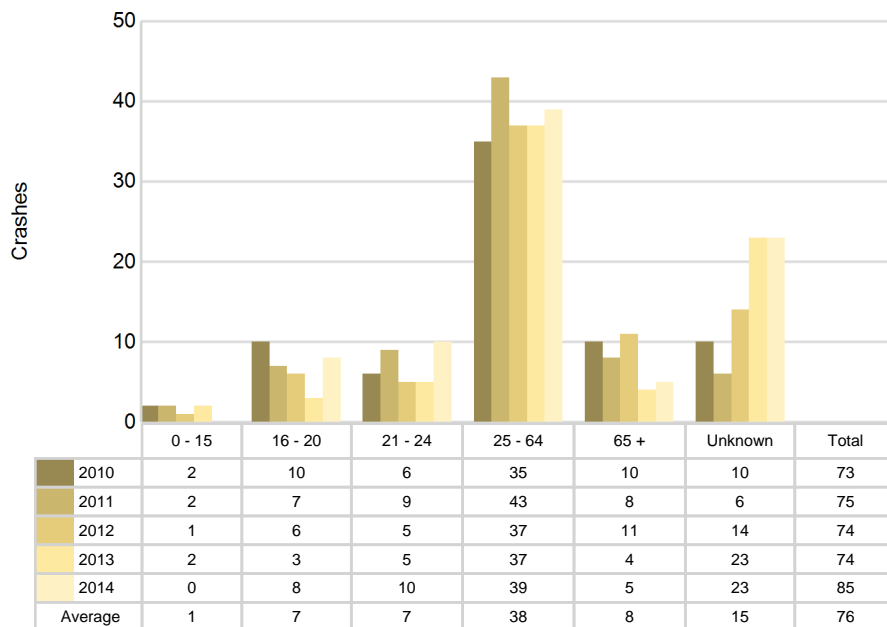
Restraint Use	2010			2011			2012			2013			2014		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0
Shoulder belt only used	1	0	0	2	0	1	0	0	0	0	0	0	1	0	0
Lap belt only used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Both lap & shoulder belts used	106	2	33	98	1	33	116	0	34	108	0	23	90	0	20
No belts used	7	0	7	12	2	9	10	1	7	2	1	1	4	0	3
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	0	0	0	1	0	1
Restraint use unknown	31	1	9	23	0	7	35	0	11	22	1	2	13	1	3
Helmet worn	8	1	7	6	2	3	3	0	3	1	0	1	2	0	0
Helmet not worn	2	1	1	1	0	1	4	0	3	6	3	3	7	1	5
Helmet use unknown	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
Uncoded & errors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	155	5	57	143	5	55	169	2	58	140	5	30	118	2	32

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

Age Group	2010			2011			2012			2013			2014		
	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	2	0	0	2	0	1	1	0	1	2	0	1	0	0	0
16 - 20	10	0	4	7	0	4	6	0	1	3	0	0	8	0	2
21 - 24	6	0	4	9	0	3	5	0	2	5	0	3	10	0	1
25 - 64	35	0	16	43	2	11	37	2	13	37	1	8	39	0	8
65 +	10	0	4	8	1	2	11	1	1	4	0	2	5	0	4
Unknown	10	0	0	6	0	0	14	0	0	23	0	0	23	0	0
Total	73	0	28	75	3	21	74	3	18	74	1	14	85	0	15

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

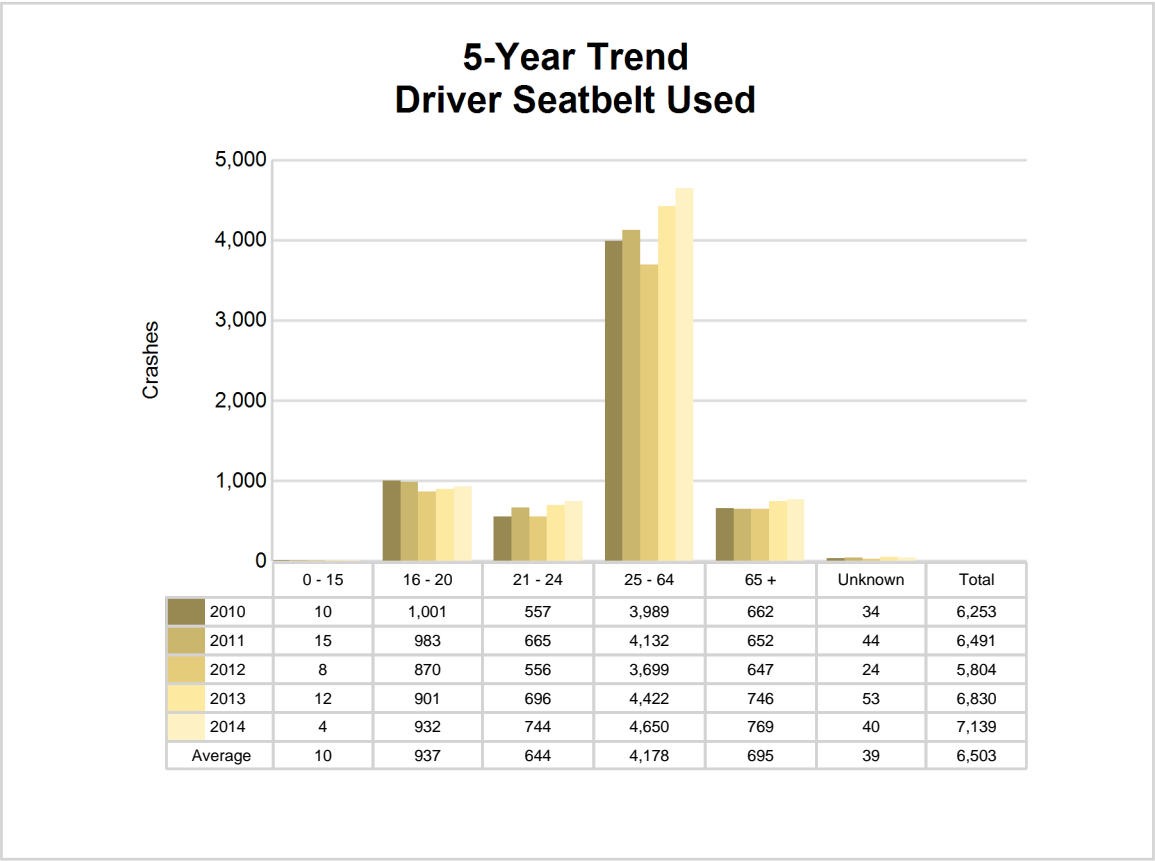
5-Year Trend Driver Seatbelt Not Used

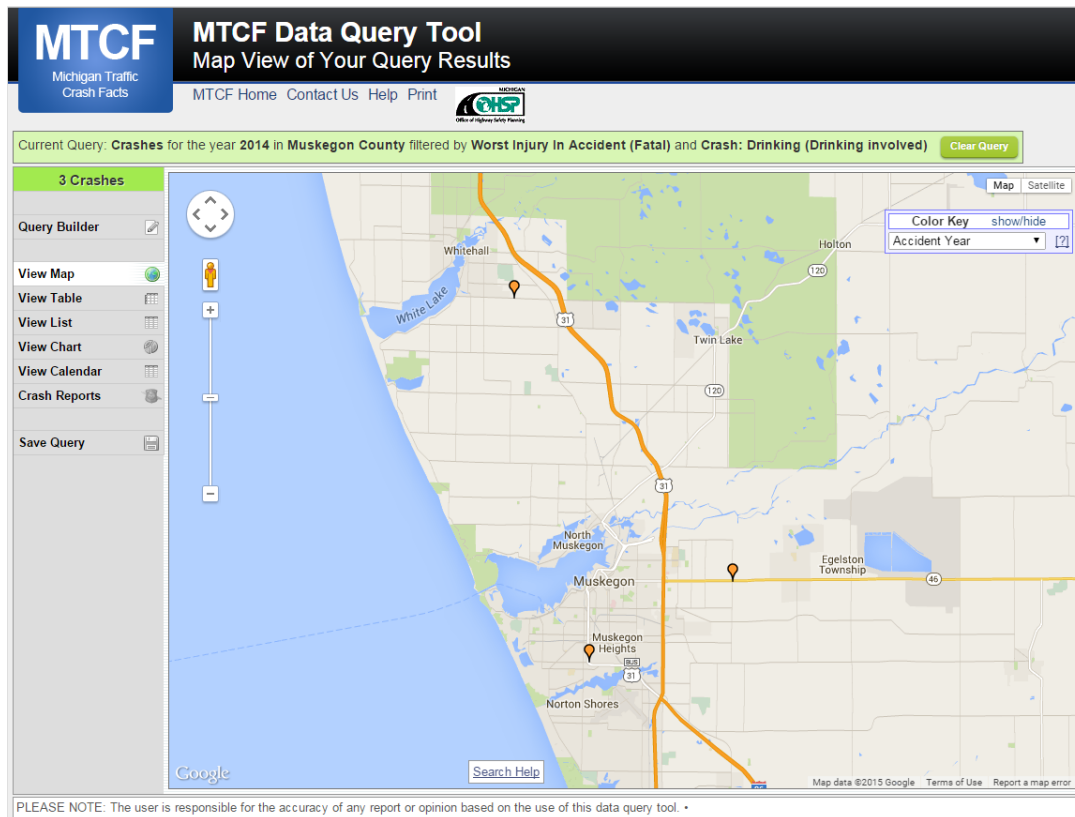


5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2010			2011			2012			2013			2014		
	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	1	15	0	2	8	0	1	12	0	1	4	0	1
16 - 20	1,001	0	116	983	2	88	870	0	121	901	0	78	932	1	90
21 - 24	557	0	51	665	2	63	556	0	63	696	1	49	744	0	81
25 - 64	3,989	2	415	4,132	2	392	3,699	2	378	4,422	1	393	4,650	2	447
65 +	662	2	72	652	1	72	647	1	81	746	1	97	769	2	95
Unknown	34	0	0	44	0	1	24	0	0	53	0	0	40	0	0
Total	6,253	4	655	6,491	7	618	5,804	3	644	6,830	3	618	7,139	5	714

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





The picture above represents all 2014 alcohol-involved fatal crashes in Muskegon County.

In 2014, there were 120 alcohol-involved crashes in Muskegon County:

- 3 K - Fatal Crashes
- 5 A - Incapacitating Injury Crashes
- 21 B - Non-incapacitating Injury Crashes
- 17 C - Possible Injury Crashes
- 74 O - Property Damage Only/No Injury Crashes

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