



2017

MTCF
Michigan Traffic
Crash Facts

Michigan Traffic Crash Facts

Reporting Criteria

Please pay particular attention to the wording when interpreting the three levels of data gathered for this report.

Crash

The Crash Level analyzes data related to crash events and returns one result per crash.

Examples: Time, weather, and location.

Units

The Units Level analyzes the experience of the units in the crash and returns one result per vehicle, driver, pedestrian, bicyclist, or train.

Examples: Vehicle type, driver condition, and unit events.

People

The People Level analyzes the experience of the people involved in the crash and returns one result per occupant/person/party.

Examples: Age, injury severity, and seat belt or helmet use.

KABCO Injury Indicator:

K = Killed

A = Suspected Serious Injury

B = Suspected Minor Injury

C = Possible Injury

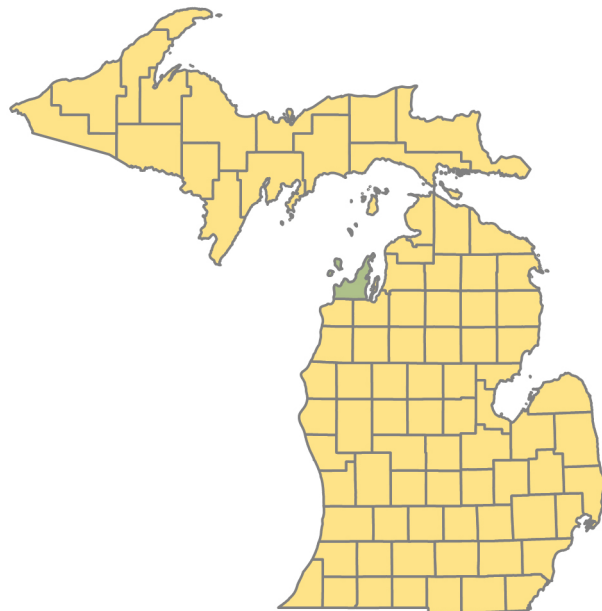
O = No Injury

Property Damage Only (PDO)



Leelanau County

2017 Traffic Crash Data & 2013-2017 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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Crashes by most severe injury (mapped/actual)

- ▲ K - Fatal (2/2)
- A - Suspected Serious (18/18)

Leelanau County

In 2017:

There were 851 drivers involved in 671 motor vehicle crashes in Leelanau County. Of those crashes, 2 were classified as fatal, resulting in 3 fatalities. An additional 122 persons were injured.

Leelanau County experienced the highest number of motor vehicle crashes (90) in December, the highest number of fatal crashes (1) in September and December, and the highest number of persons killed (2) in September.

Michigan driver statistics indicate 5.1 percent of licensed drivers in Leelanau County were age 16-20, and 11.5 percent of drivers in crashes were also in that age group.

2017 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	63	0	5	58	0	6
February	43	0	6	37	0	6
March	38	0	5	33	0	5
April	24	0	6	18	0	8
May	55	0	11	44	0	20
June	52	0	3	49	0	3
July	52	0	14	38	0	18
August	53	0	12	41	0	16
September	50	1	7	42	2	13
October	62	0	5	57	0	5
November	89	0	7	82	0	9
December	90	1	10	79	1	13
Total	671	2	91	578	3	122

2017 - Driver Statistics

Age Group	Leelanau County			Driver Rates	
	2017 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	3,103	125	1	3.2	80.0
16 - 20	1,039	972	98	943.2	1,008.2
21 - 24	836	837	55	657.9	657.1
25 - 64	10,213	10,620	504	493.5	474.6
65 +	6,466	6,456	147	227.3	227.7
Unknown	0	0	46	--	--
Total	21,657	19,010	851	392.9	447.7

2017 - Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crashes		Injury Crashes	PDO Crashes
	Number of Vehicles	% of Total	Number	% of Total	Number	Number
Passenger car, SUV, van	657	77.2	3	75.0	113	541
Motor home	0	0.0	0	0.0	0	0
Pickup truck	147	17.3	0	0.0	21	126
Small truck under 10,000 lbs. GVWR	6	0.7	0	0.0	0	6
Motorcycle	3	0.4	0	0.0	3	0
Moped / goped	1	0.1	0	0.0	1	0
Go-cart / golf cart	1	0.1	0	0.0	1	0
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	1	0.1	0	0.0	0	1
Other	2	0.2	0	0.0	0	2
Truck/bus over 10,000 lbs.	23	2.7	1	25.0	2	20
Unknown	10	1.2	0	0.0	0	10
Total	851	100.0	4	100.0	141	706

5-Year Trend - Crashes by Month

Month	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	73	0	61	0	48	0	48	0	63	0
February	41	0	44	0	51	0	46	0	43	0
March	31	0	73	0	32	1	44	0	38	0
April	33	0	47	0	27	0	44	0	24	0
May	48	0	42	0	43	1	53	0	55	0
June	53	0	58	0	67	0	56	0	52	0
July	50	0	57	0	64	1	71	0	52	0
August	53	0	50	1	43	1	56	2	53	0
September	53	0	45	0	43	0	34	1	50	1
October	64	0	51	0	78	0	55	0	62	0
November	107	0	74	0	80	0	86	1	89	0
December	84	0	60	0	59	0	72	0	90	1
Total	690	0	662	1	635	4	665	4	671	2

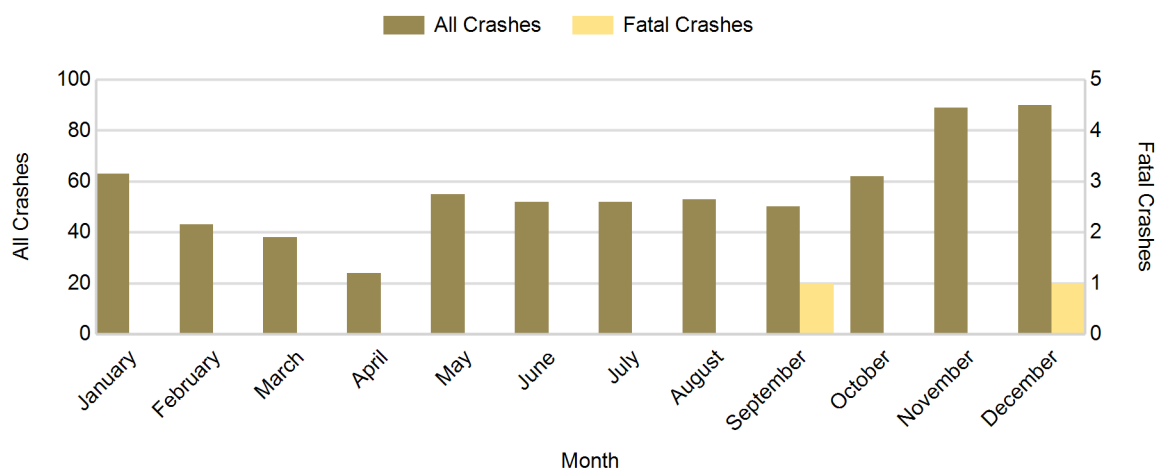
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

5-Year Trend - Crashes by Day of Week

Day	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	106	0	113	0	86	0	80	0	106	1
Tuesday	106	0	91	0	71	0	91	1	86	0
Wednesday	111	0	84	0	98	0	102	0	100	0
Thursday	93	0	95	0	104	1	104	1	103	0
Friday	92	0	114	0	119	2	109	0	94	0
Saturday	83	0	89	1	95	1	93	1	104	1
Sunday	99	0	76	0	62	0	86	1	78	0
Total	690	0	662	1	635	4	665	4	671	2

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

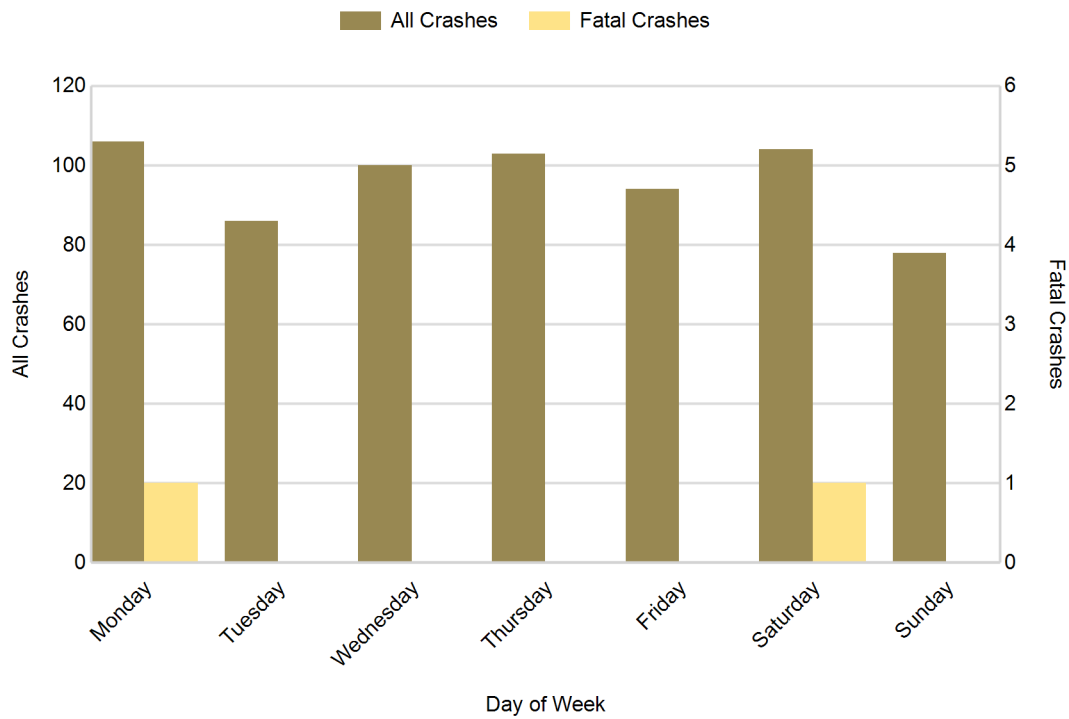
2017 Crashes by Month



2017 - Crashes by Day of Week

Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Monday	106	15.8	1	50.0	1	6	2	96
Tuesday	86	12.8	0	0.0	3	4	4	75
Wednesday	100	14.9	0	0.0	4	3	10	83
Thursday	103	15.4	0	0.0	1	5	7	90
Friday	94	14.0	0	0.0	1	3	6	84
Saturday	104	15.5	1	50.0	5	4	8	86
Sunday	78	11.6	0	0.0	3	5	6	64
Total	671	100.0	2	100.0	18	30	43	578

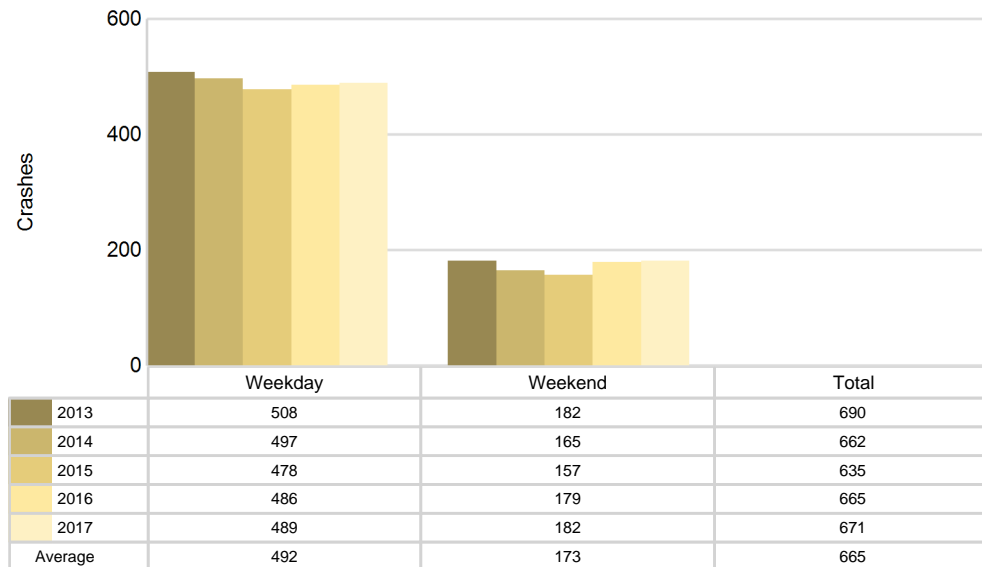
2017 Day of Week and Severity



5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	508	0	497	0	478	3	486	2	489	1
Weekend	182	0	165	1	157	1	179	2	182	1
Total	690	0	662	1	635	4	665	4	671	2

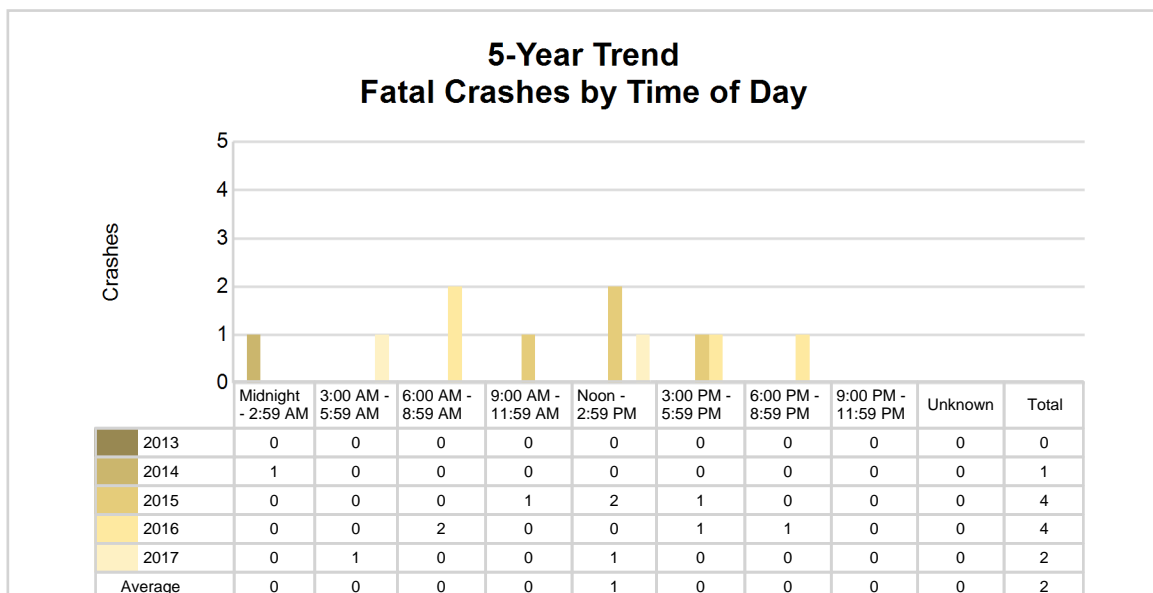
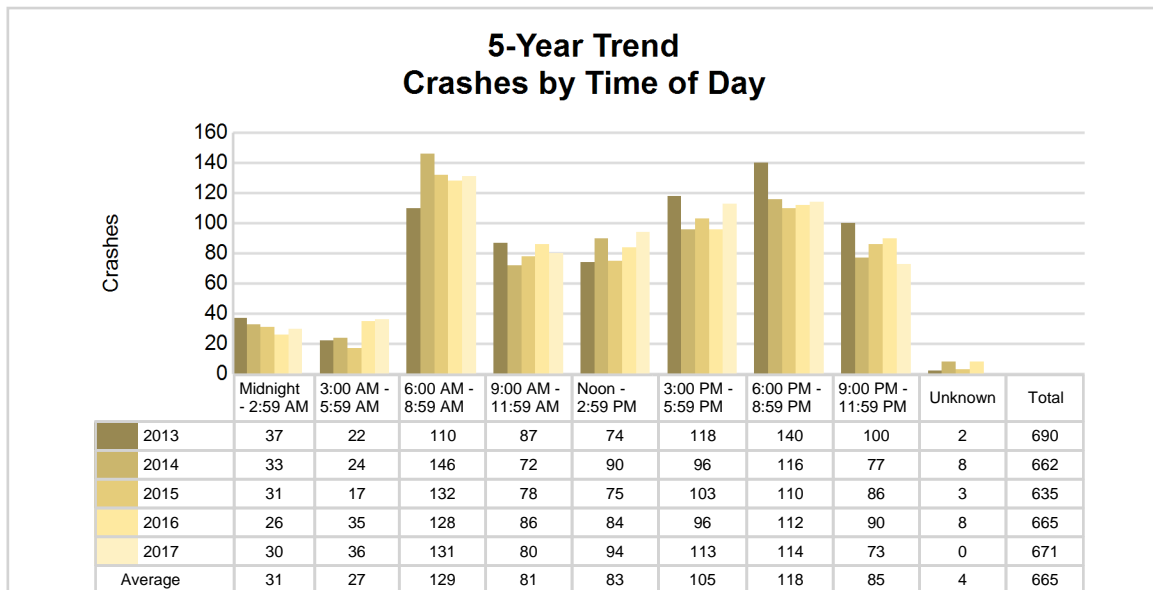
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

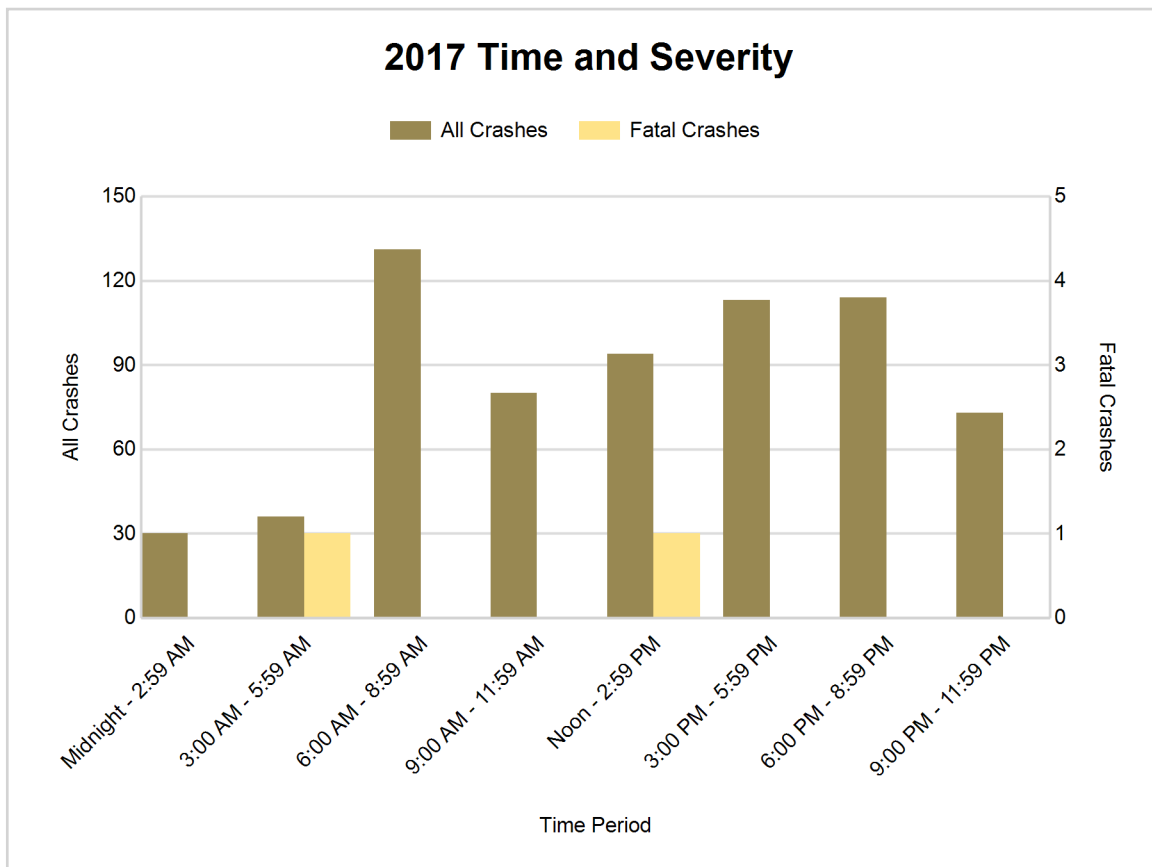
Time of Day	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	37	0	33	1	31	0	26	0	30	0
3:00 AM - 5:59 AM	22	0	24	0	17	0	35	0	36	1
6:00 AM - 8:59 AM	110	0	146	0	132	0	128	2	131	0
9:00 AM - 11:59 AM	87	0	72	0	78	1	86	0	80	0
Noon - 2:59 PM	74	0	90	0	75	2	84	0	94	1
3:00 PM - 5:59 PM	118	0	96	0	103	1	96	1	113	0
6:00 PM - 8:59 PM	140	0	116	0	110	0	112	1	114	0
9:00 PM - 11:59 PM	100	0	77	0	86	0	90	0	73	0
Unknown	2	0	8	0	3	0	8	0	0	0
Total	690	0	662	1	635	4	665	4	671	2

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



2017 - Time and Severity

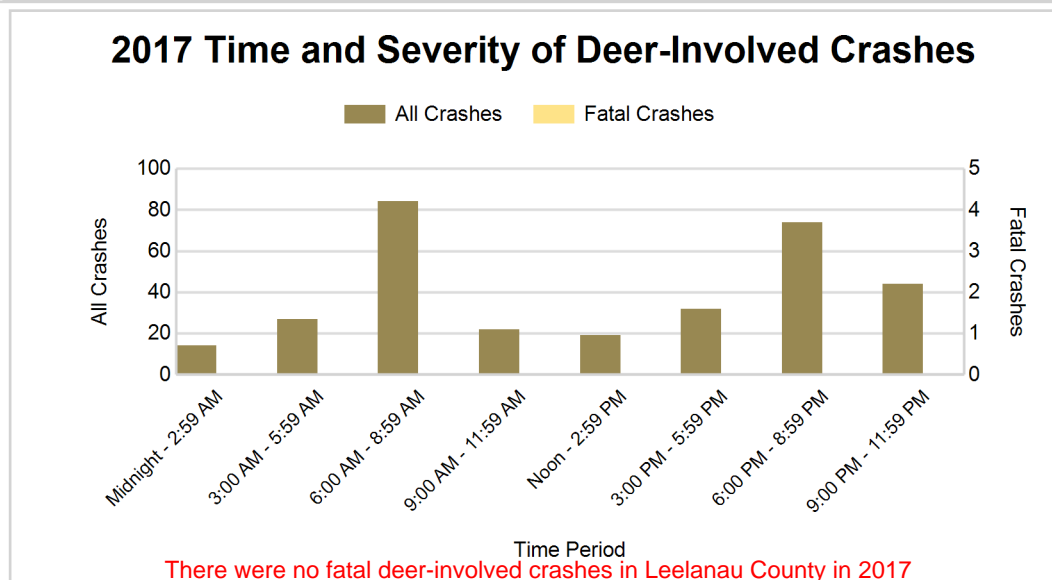
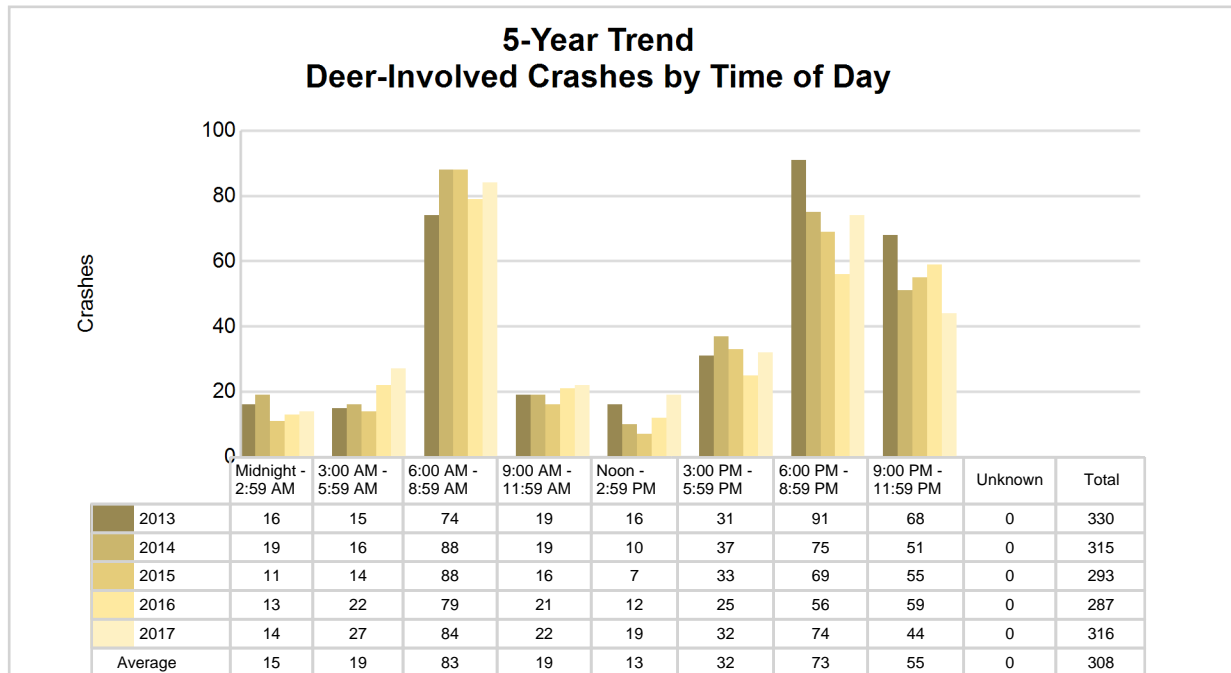
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	30	4.5	0	0.0	2	5	2	21
3:00 AM - 5:59 AM	36	5.4	1	50.0	0	0	2	33
6:00 AM - 8:59 AM	131	19.5	0	0.0	1	3	6	121
9:00 AM - 11:59 AM	80	11.9	0	0.0	2	4	4	70
Noon - 2:59 PM	94	14.0	1	50.0	2	10	6	75
3:00 PM - 5:59 PM	113	16.8	0	0.0	7	4	15	87
6:00 PM - 8:59 PM	114	17.0	0	0.0	2	2	5	105
9:00 PM - 11:59 PM	73	10.9	0	0.0	2	2	3	66
Unknown	0	0.0	0	0.0	0	0	0	0
Total	671	100.0	2	100.0	18	30	43	578



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

Time of Day	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	16	0	19	0	11	0	13	0	14	0
3:00 AM - 5:59 AM	15	0	16	0	14	0	22	0	27	0
6:00 AM - 8:59 AM	74	0	88	0	88	0	79	0	84	0
9:00 AM - 11:59 AM	19	0	19	0	16	0	21	0	22	0
Noon - 2:59 PM	16	0	10	0	7	0	12	0	19	0
3:00 PM - 5:59 PM	31	0	37	0	33	0	25	0	32	0
6:00 PM - 8:59 PM	91	0	75	0	69	0	56	0	74	0
9:00 PM - 11:59 PM	68	0	51	0	55	0	59	0	44	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	330	0	315	0	293	0	287	0	316	0

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



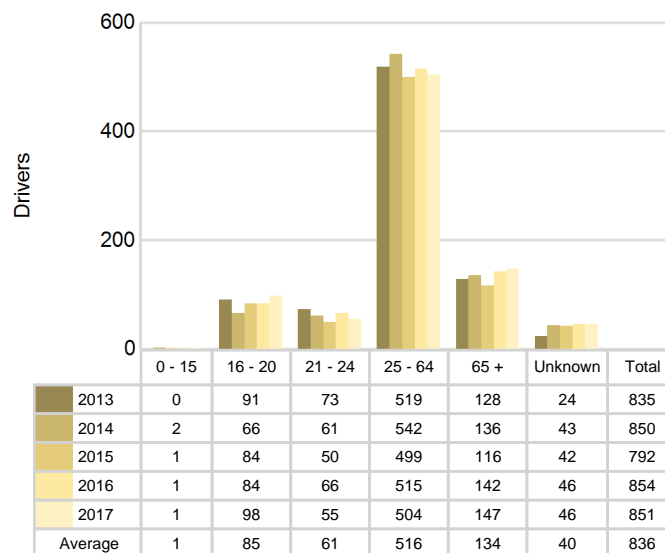
2017 - Reported Motor Vehicle Crashes by Municipality

Municipality	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Bingham Twp.	81	0	11	70	0	0	32	49	2	1	39	0	17
Centerville Twp.	57	0	4	53	0	0	10	47	4	1	41	0	4
Cleveland Twp.	25	0	2	23	0	0	11	14	3	1	10	0	2
Elmwood Twp.	105	1	24	80	0	0	54	51	9	4	31	2	33
Empire	4	0	1	3	0	0	2	2	1	1	3	0	1
Empire Twp.	41	0	3	38	0	0	21	20	2	0	30	0	4
Glen Arbor Twp.	26	0	3	23	0	0	12	14	1	0	14	0	8
Kasson Twp.	60	1	7	52	0	0	23	36	2	0	40	1	8
Leelanau Twp.	43	0	6	37	0	0	21	22	3	1	25	0	9
Leland Twp.	53	0	7	46	0	0	39	14	4	0	20	0	7
Northport	8	0	0	8	0	0	7	1	0	1	3	0	0
Solon Twp.	69	0	9	60	0	0	16	53	3	0	35	0	12
Suttons Bay	27	0	2	25	0	0	18	9	0	0	2	0	2
Suttons Bay Twp.	64	0	12	52	0	0	32	30	8	1	21	0	15
Traverse City	8	0	0	8	0	0	8	0	0	0	2	0	0
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	671	2	91	578	0	0	306	362	42	11	316	3	122

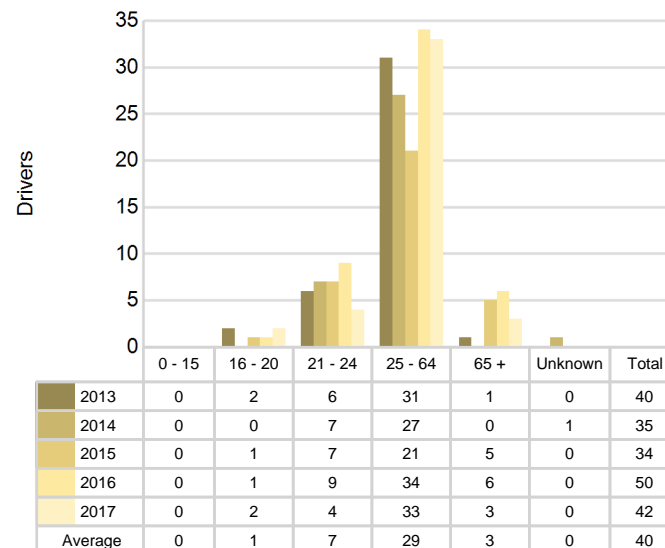
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2013		2014		2015		2016		2017	
	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking
0 - 15	0	0	2	0	1	0	1	0	1	0
16 - 20	91	2	66	0	84	1	84	1	98	2
21 - 24	73	6	61	7	50	7	66	9	55	4
25 - 64	519	31	542	27	499	21	515	34	504	33
65 +	128	1	136	0	116	5	142	6	147	3
Unknown	24	0	43	1	42	0	46	0	46	0
Total	835	40	850	35	792	34	854	50	851	42

5-Year Trend Total Drivers in Crashes by Age



5-Year Trend Total Drivers Coded Drinking by Age



2017 - Bodily Alcohol Concentration (BAC) Results Among All Vehicle Drivers in Alcohol-Involved Crashes by Age

Age Group	Drivers				BAC Result Range for Drivers Coded Drinking				
	Total Drivers in Alcohol-Involved Crashes	Total Drivers Tested in all Crashes	Total Drivers Coded Drinking, Tested	Total Drivers Coded Drinking	BAC = 0.00	BAC 0.01 g/dL to 0.07 g/dL	BAC 0.08 g/dL to 0.16 g/dL	BAC 0.17 g/dL and Above	BAC Not Reported
0 - 15	0	0	0	0	0	0	0	0	0
16 - 20	2	5	1	2	0	0	0	1	1
21 - 24	4	5	4	4	0	1	1	2	0
25 - 64	38	44	26	33	0	4	9	10	10
65 +	4	5	2	3	0	0	1	1	1
Unknown	2	0	0	0	0	0	0	0	0
Total	50	59	33	42	0	5	11	14	12

Notes: BAC measured in grams (g) per deciliter (dL).

BAC may not be reported if drivers are not tested or if the results are not available immediately (as in the case of a blood test).

A driver may be coded by the officer as drinking even though no test is administered.

Alcohol-Involved Crashes

In 2017, there were 50 drivers in alcohol-involved crashes; 42 (84.0%) of those drivers were coded as had-been-drinking by the officer on the crash form.

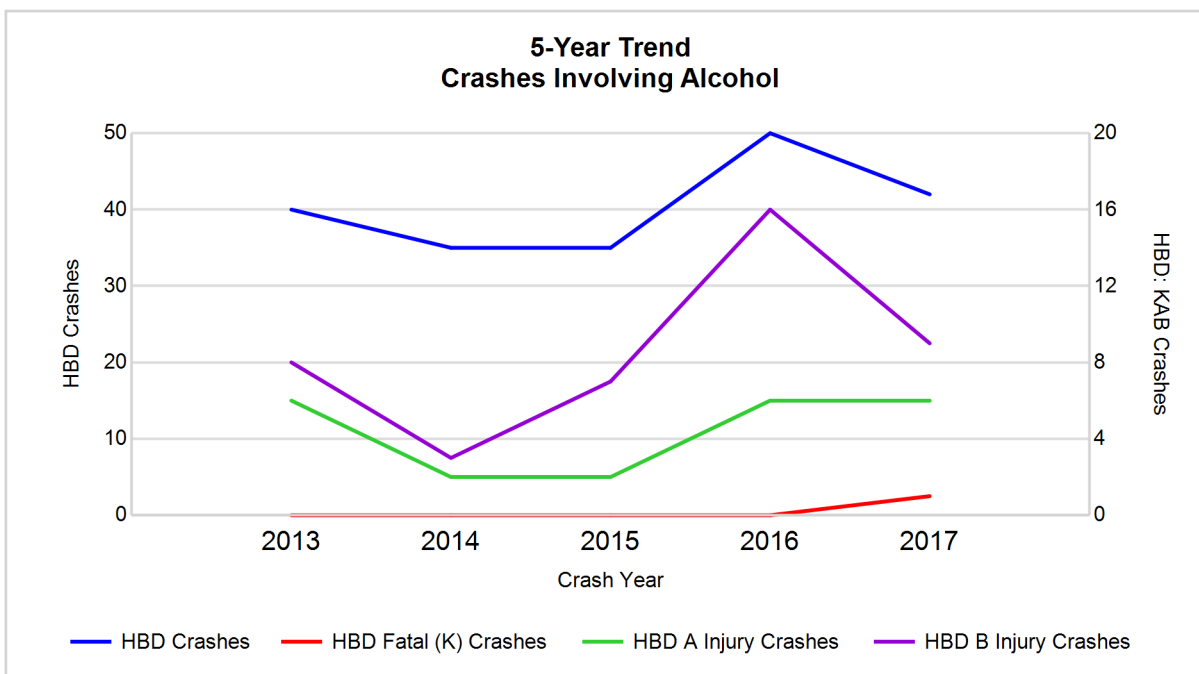
- 25 (59.5%) of the 42 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 14 (56.0%) of the 25 drivers had a BAC at or above 0.17 g/dL.
- 33 (78.6%) of the 42 drivers were coded as had-been-drinking and were tested for alcohol consumption.

5-Year Trend - Crashes Involving Alcohol

Year	All Crashes	HBD Crashes	% HBD	Fatal Crashes	HBD Fatal Crashes	% HBD	A Injury Crashes	HBD A Injury Crashes	% HBD	B Injury Crashes	HBD B Injury Crashes	% HBD
2013	690	40	5.8	0	0	0.0	19	6	31.6	36	8	22.2
2014	662	35	5.3	1	0	0.0	8	2	25.0	10	3	30.0
2015	635	35	5.5	4	0	0.0	9	2	22.2	25	7	28.0
2016	665	50	7.5	4	0	0.0	11	6	54.5	51	16	31.4
2017	671	42	6.3	2	1**	50.0**	18	6	33.3	30	9	30.0

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



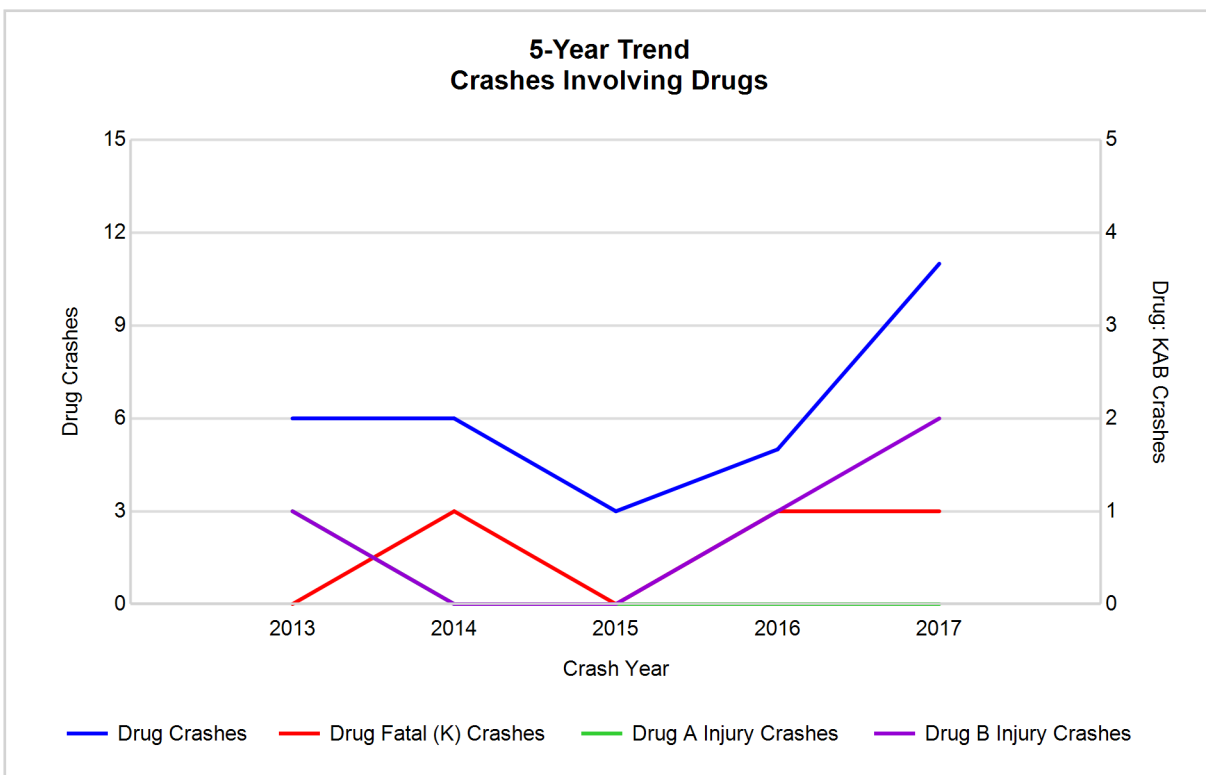
Note: Had-Been-Drinking (HBD)

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
2013	690	6	0.9	0	0	0.0	19	1	5.3	36	1	2.8
2014	662	6	0.9	1	1	100.0	8	0	0.0	10	0	0.0
2015	635	3	0.5	4	0	0.0	9	0	0.0	25	0	0.0
2016	665	5	0.8	4	1	25.0	11	0	0.0	51	1	2.0
2017	671	11**	1.6**	2	1	50.0	18	0	0.0	30	2**	6.7**

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

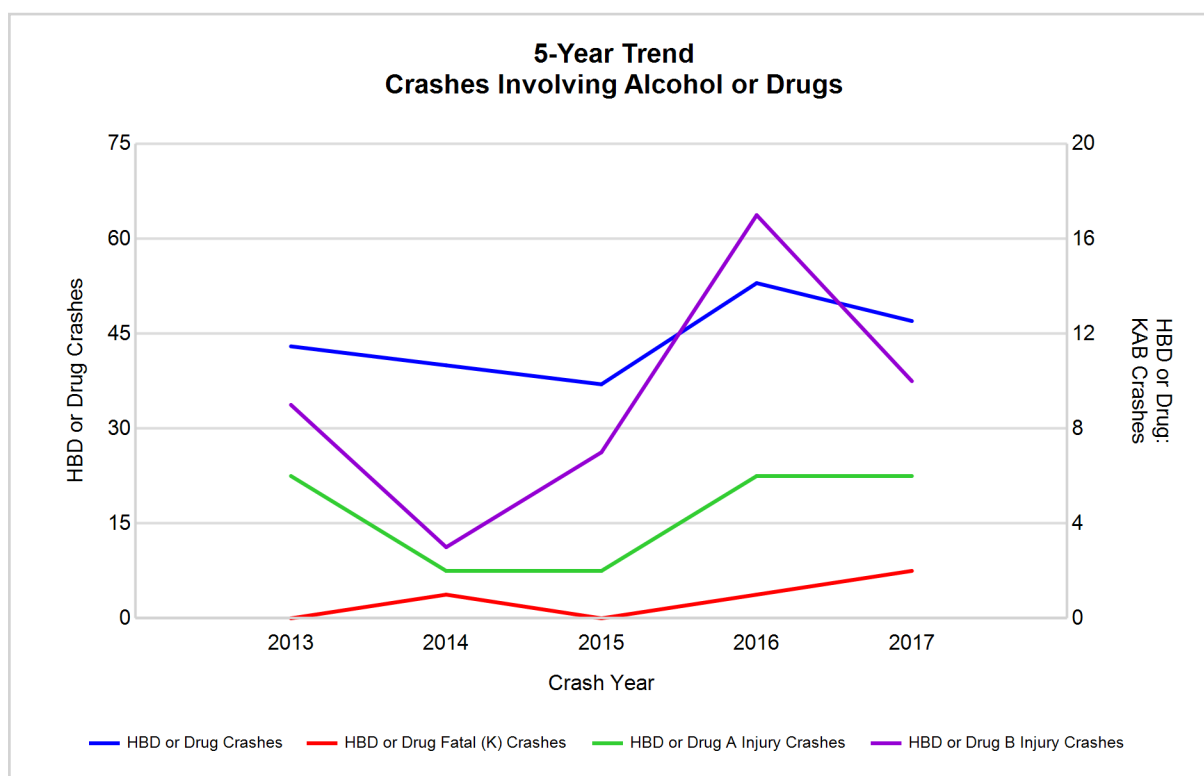


5-Year Trend - Crashes Involving Alcohol or Drugs

Year	All Crashes	HBD or Drug Crashes	% HBD or Drug	Fatal Crashes	HBD or Drug Fatal Crashes	% HBD or Drug	A Injury Crashes	HBD or Drug A Injury Crashes	% HBD or Drug	B Injury Crashes	HBD or Drug B Injury Crashes	% HBD or Drug
2013	690	43	6.2	0	0	0.0	19	6	31.6	36	9	25.0
2014	662	40	6.0	1	1	100.0	8	2	25.0	10	3	30.0
2015	635	37	5.8	4	0	0.0	9	2	22.2	25	7	28.0
2016	665	53	8.0	4	1	25.0	11	6	54.5	51	17	33.3
2017	671	47	7.0	2	2**	100.0	18	6	33.3	30	10	33.3

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)

2017 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Vehicle Type

Vehicle Type	Total Occupants			Fatalities			A - Suspected Serious			B - Suspected Minor			C - Possible Injury			No Injury		
	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%
Passenger car, SUV, van	679	640	94.3	3	1	33.3	12	10	83.3	26	25	96.2	58	56	96.6	557	548	98.4
Motor home	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Pickup truck	150	137	91.3	0	0	0.0	5	5	100.0	5	5	100.0	6	6	100.0	124	121	97.6
Small truck under 10,000 lbs. GVWR	6	5	83.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	5	83.3
Motorcycle	3	1	33.3	0	0	0.0	2	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0
Moped / goped	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0
Go-cart / golf 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	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Truck/bus over 10,000 lbs.	23	19	82.6	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	21	19	90.5
Unknown	10	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	876	805	91.9	3	1	0.0	19	15	78.9	32	31	96.9	65	63	96.9	712	695	97.6

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

2017 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Age

Age Group	Total Occupants			Fatalities			A - Suspected Serious			B - Suspected Minor			C - Possible Injury			No Injury		
	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%
0 - 15	6	6	100.0	0	0	0.0	0	0	0.0	1	1	100.0	4	4	100.0	1	1	100.0
16 - 20	102	101	99.0	0	0	0.0	1	1	100.0	5	5	100.0	12	12	100.0	84	83	98.8
21 - 24	55	53	96.4	1	0	0.0	0	0	0.0	4	4	100.0	4	4	100.0	46	45	97.8
25 - 64	515	496	96.3	1	1	100.0	13	10	76.9	19	18	94.7	36	34	94.4	446	433	97.1
65 +	152	149	98.0	1	0	0.0	5	4	80.0	3	3	100.0	9	9	100.0	134	133	99.3
Unknown	46	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Total	876	805	91.9	3	1	0.0	19	15	78.9	32	31	96.9	65	63	96.9	712	695	97.6

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	2013			2014			2015			2016			2017		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	5	0	3	12	0	0	14	0	1	4	0	2	2	0	0
Shoulder belt only used	0	0	0	5	0	0	0	0	0	1	0	0	7	0	1
Lap belt only used	0	0	0	2	0	0	2	0	0	1	0	0	3	0	1
Both lap & shoulder belts used	779	0	80	757	0	50	694	1	54	758	2	74	769	1	81
No belts used	5	0	2	7	0	4	17	0	7	18	0	9	8	2	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	2	1	0	1	0	0	0	0	0	0	0	0
Restraint use unknown	14	0	5	14	0	2	9	0	0	46	1	2	56	0	1
Helmet worn	6	0	3	6	0	5	9	2	6	8	0	7	2	0	2
Helmet not worn	1	0	1	0	0	0	4	0	3	4	1	3	3	0	2
Helmet use unknown	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0
Uncoded & errors	25	0	0	44	0	0	41	0	0	14	0	0	1	0	0
Total	835	0	94	850	1	62	792	3	71	854	4	97	851	3	91

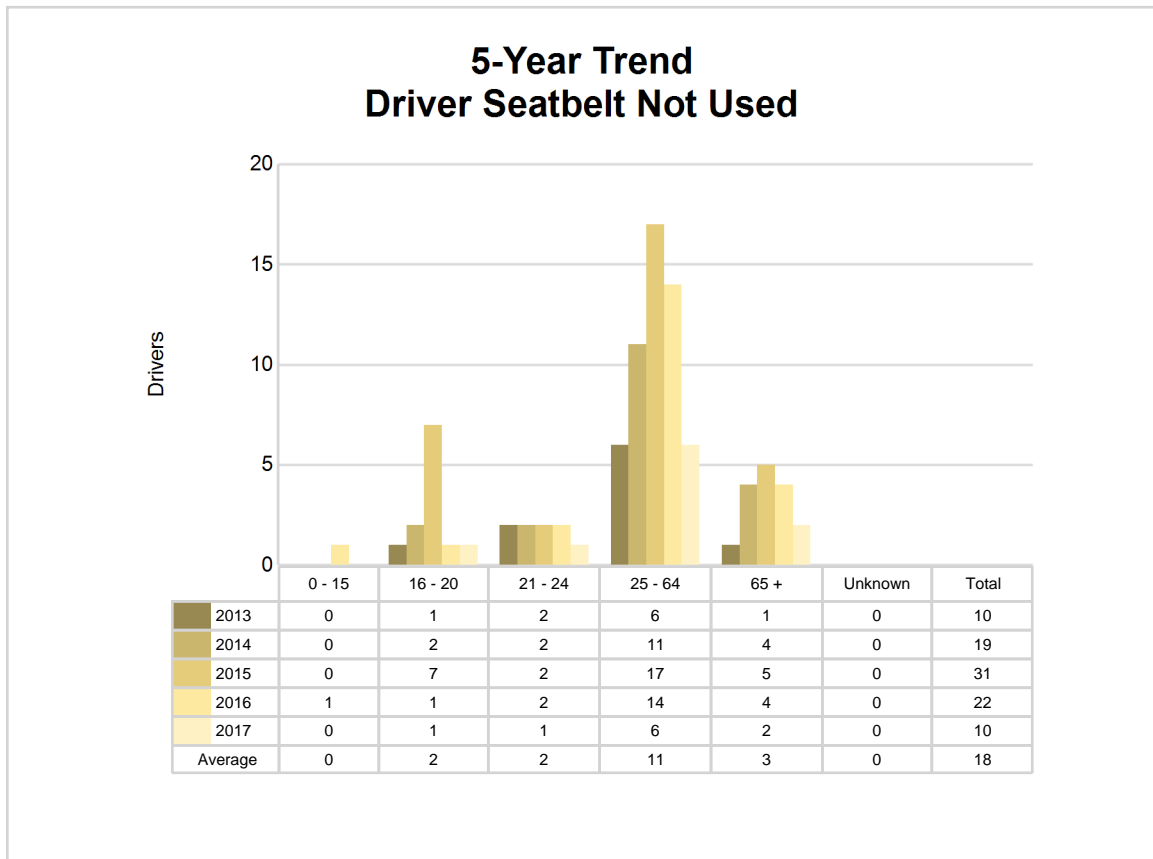
5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2013			2014			2015			2016			2017		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
Shoulder belt only used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lap belt only used	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Both lap & shoulder belts used	31	0	11	25	0	5	26	0	8	33	0	10	30	0	8
No belts used	3	0	2	1	0	1	3	0	2	5	0	5	4	1	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	0	0	0
Restraint use unknown	6	0	3	6	0	1	3	0	0	7	0	2	6	0	0
Helmet worn	0	0	0	1	0	1	1	0	1	2	0	2	0	0	0
Helmet not worn	0	0	0	0	0	0	1	0	1	2	0	2	2	0	1
Helmet use unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Uncoded & errors	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Total	40	0	16	35	0	8	34	0	12	50	0	22	42	1	12

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

Age Group	2013			2014			2015			2016			2017		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
16 - 20	1	0	1	2	0	1	7	0	3	1	0	0	1	0	0
21 - 24	2	0	0	2	0	0	2	0	1	2	0	1	1	1	0
25 - 64	6	0	3	11	0	3	17	0	4	14	0	7	6	0	3
65 +	1	0	1	4	0	0	5	0	0	4	0	2	2	1	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	10	0	5	19	0	4	31	0	8	22	0	11	10	2	3

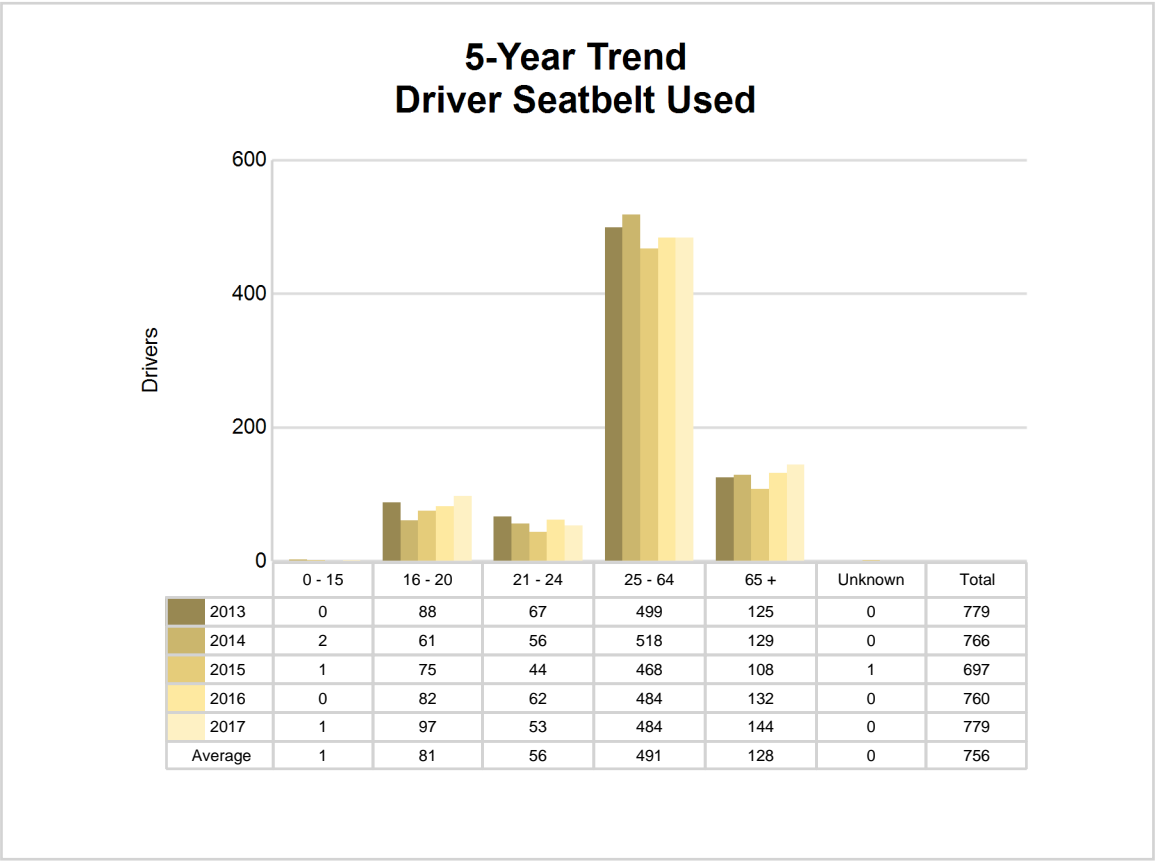
Note: Seatbelt Not Used includes no belts available or no belts used.



5-Year Trend - Seatbelt Used Among Drivers by Age

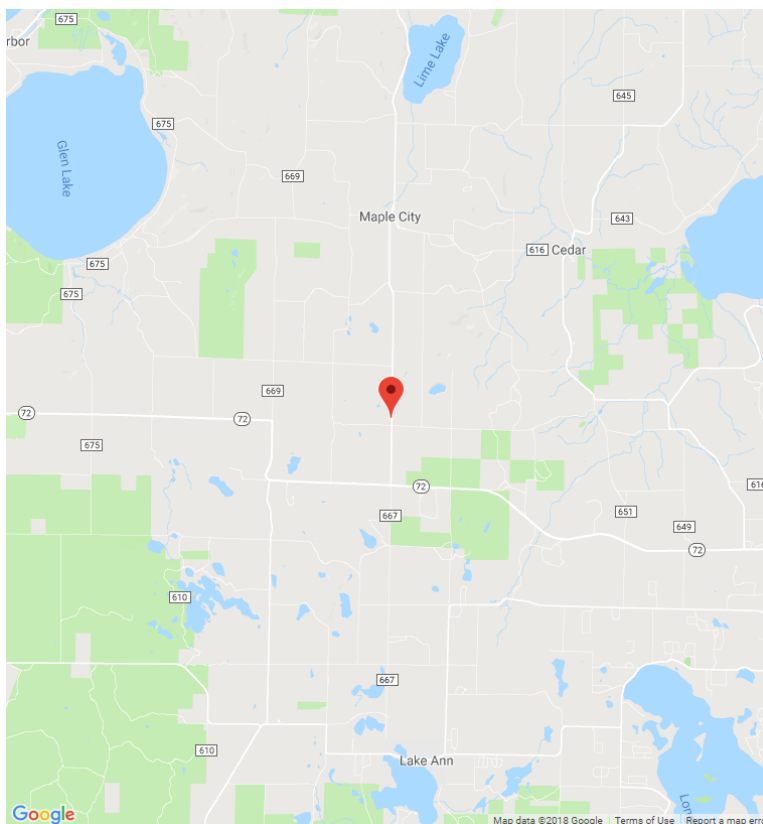
Age Group	2013			2014			2015			2016			2017		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	0	0	0	2	0	0	1	0	0	0	0	0	1	0	0
16 - 20	88	0	13	61	0	4	75	0	6	82	0	11	97	0	14
21 - 24	67	0	10	56	0	6	44	0	7	62	0	6	53	0	8
25 - 64	499	0	42	518	1	29	468	0	34	484	2	37	484	1	50
65 +	125	0	15	129	0	11	108	1	7	132	0	20	144	0	11
Unknown	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Total	779	0	80	766	1	50	697	1	54	760	2	74	779	1	83

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	2013		2014		2015		2016		2017	
	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes
None	489	0	521	1	475	2	487	3	513	2
Speed too fast	153	0	116	0	111	1	140	2	130	1
Speed too slow	0	0	0	0	4	0	1	0	1	0
Failed to yield	35	0	36	0	38	2	50	0	36	0
Disregard traffic control	5	0	4	0	1	0	4	2	2	0
Drove wrong way	0	0	0	0	0	0	1	0	0	0
Drove left of center	5	0	6	0	1	0	8	0	6	1
Improper passing	3	0	12	0	4	0	7	0	5	0
Improper lane use	4	0	6	0	7	0	5	0	6	0
Improper turn	4	0	4	0	6	0	1	0	3	0
Improper/no signal	0	0	2	0	0	0	0	0	0	0
Improper backing	13	0	8	0	19	0	12	0	15	0
Unable to stop in assured clear distance	47	0	43	0	34	0	47	0	48	0
Other	20	0	46	0	51	0	30	0	38	0
Unknown	9	0	8	0	12	1	19	0	19	0
Reckless driving	3	0	3	1	3	0	3	0	3	0
Careless/negligent driving	38	0	30	0	24	0	39	0	23	0
Uncoded & errors	7	0	5	0	2	0	0	0	3	0
Total	835	0	850	2	792	6	854	7	851	4



The picture above represents all 2017 alcohol-involved fatal crashes in Leelanau County.

In 2017, there were 42 alcohol-involved crashes in Leelanau County:

- 1 K - Fatal Crash
- 6 A - Suspected Serious Injury Crashes
- 9 B - Suspected Minor Injury Crashes
- 4 C - Possible Injury Crashes
- 22 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) 284-3112
Fax: (517) 284-3151

Find us on the web:
MichiganTrafficCrashFacts.org

