



2016

MTCF
Michigan Traffic
Crash Facts

Michigan Traffic Crash Facts

Reporting Criteria

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

Crash

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

Examples: Time, weather, and location.

Units

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

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

People

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

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

KABCO Injury Indicator:

K = Killed

A = Suspected Serious Injury

B = Suspected Minor Injury

C = Possible Injury

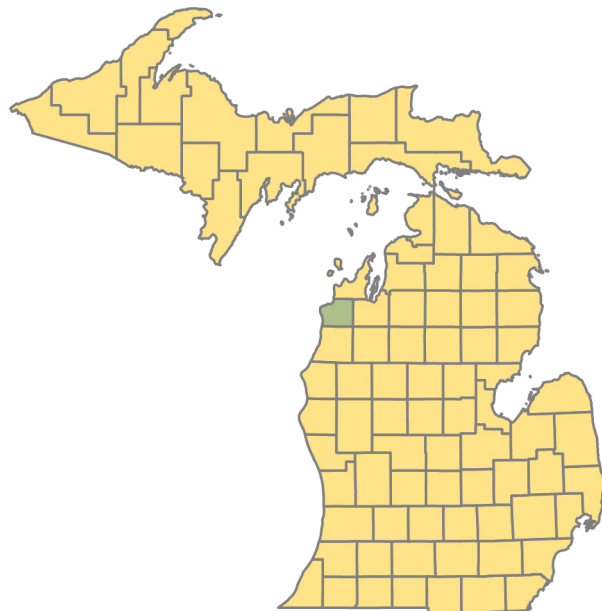
O = No Injury

Property Damage Only (PDO)



Benzie County

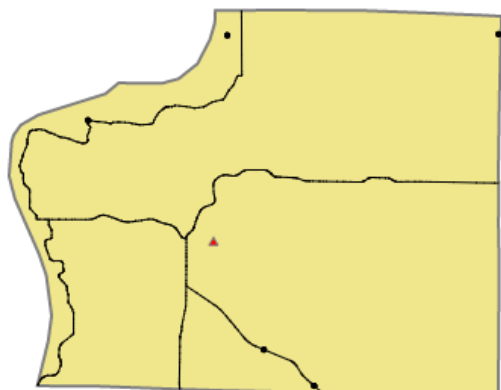
2016 Traffic Crash Data & 2012-2016 5-Year Trends



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 (1/1)
- A - Suspected Serious (5/5)

Benzie County

In 2016:

There were 706 drivers involved in 571 motor vehicle crashes in Benzie County. Of those crashes, 1 were classified as fatal, resulting in 2 fatalities. An additional 77 persons were injured.

Benzie County experienced the highest number of motor vehicle crashes (67) in November, the highest number of fatal crashes (1) and the highest number of persons killed (2) in November.

Michigan driver statistics indicate 5.4 percent of licensed drivers in Benzie County were age 16-20, and 10.9 percent of drivers in crashes were also in that age group.

2016 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	42	0	1	41	0	1
February	40	0	3	37	0	3
March	42	0	7	35	0	11
April	34	0	5	29	0	6
May	34	0	2	32	0	3
June	51	0	8	43	0	12
July	53	0	6	47	0	6
August	46	0	6	40	0	6
September	49	0	5	44	0	8
October	49	0	6	43	0	6
November	67	1	4	62	2	7
December	64	0	7	57	0	8
Total	571	1	60	510	2	77

2016 - Driver Statistics

Age Group	Statewide			Driver Rates	
	2016 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	2,833	81	1	3.5	123.5
16 - 20	917	790	77	839.7	974.7
21 - 24	675	650	43	637.0	661.5
25 - 64	8,723	8,906	454	520.5	509.8
65 +	4,424	4,314	105	237.3	243.4
Unknown	0	0	26	- -	- -
Total	17,572	14,741	706	401.8	478.9

2016 - Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crashes		Injury Crashes	PDO Crashes
	Number of Vehicles	% of Total	Number	% of Total	Number	Number
Passenger car, SUV, van	566	80.2	1	50.0	65	500
Motor home	5	0.7	0	0.0	1	4
Pickup truck	105	14.9	0	0.0	11	94
Small truck under 10,000 lbs. GVWR	4	0.6	0	0.0	0	4
Motorcycle	4	0.6	0	0.0	2	2
Moped / goped	1	0.1	0	0.0	1	0
Go-cart / golf cart	0	0.0	0	0.0	0	0
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	1	0.1	0	0.0	1	0
Other	3	0.4	0	0.0	0	3
Truck/bus over 10,000 lbs.	12	1.7	1	50.0	1	10
Unknown	5	0.7	0	0.0	0	5
Total	706	100.0	2	100.0	82	622

5-Year Trend - Crashes by Month

Month	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	66	0	50	0	58	0	45	0	42	0
February	63	0	48	1	47	1	50	0	40	0
March	35	0	49	0	54	0	40	0	42	0
April	23	0	39	0	42	0	31	0	34	0
May	35	0	28	0	26	0	29	0	34	0
June	52	1	39	0	40	0	44	0	51	0
July	48	1	52	1	39	1	44	0	53	0
August	28	0	27	0	51	1	60	0	46	0
September	40	0	27	0	31	1	41	1	49	0
October	50	0	38	0	54	0	56	1	49	0
November	68 †	1	84 †	1	87 †	0	62 †	1	67 †	1
December	52	1	59	0	61	1	55	1	64	0
Total	560	4	540	3	590	5	557	4	571	1

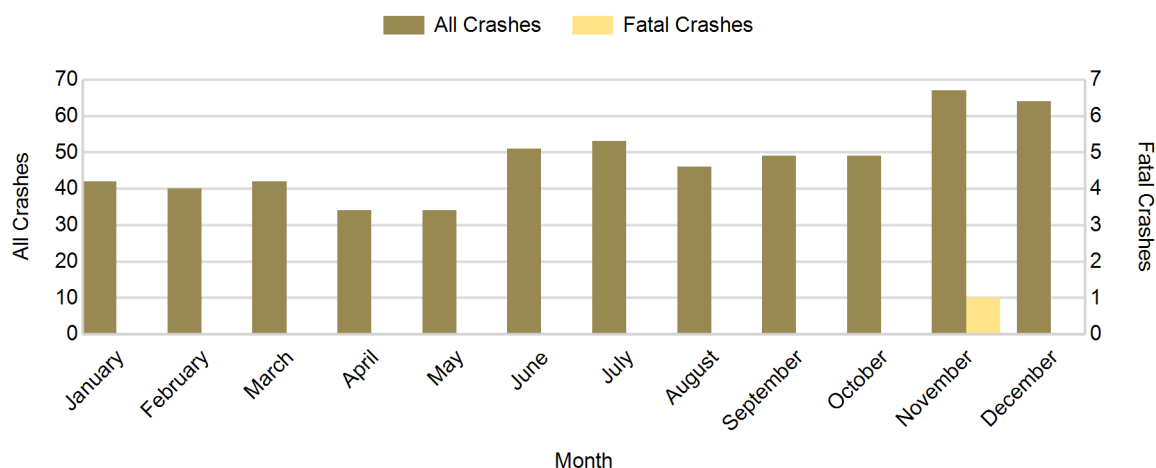
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

5-Year Trend - Crashes by Day of Week

Day	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	67	0	88	2	77	1	65	0	68	0
Tuesday	71	1	89	0	79	0	82	0	82	1
Wednesday	87	2	75	0	95	1	86	2	75	0
Thursday	75	0	63	0	98	1	81	1	75	0
Friday	99	0	83	0	86	2	68	1	97	0
Saturday	86	0	75	1	89	0	84	0	84	0
Sunday	75	1	67	0	66	0	91	0	90	0
Total	560	4	540	3	590	5	557	4	571	1

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

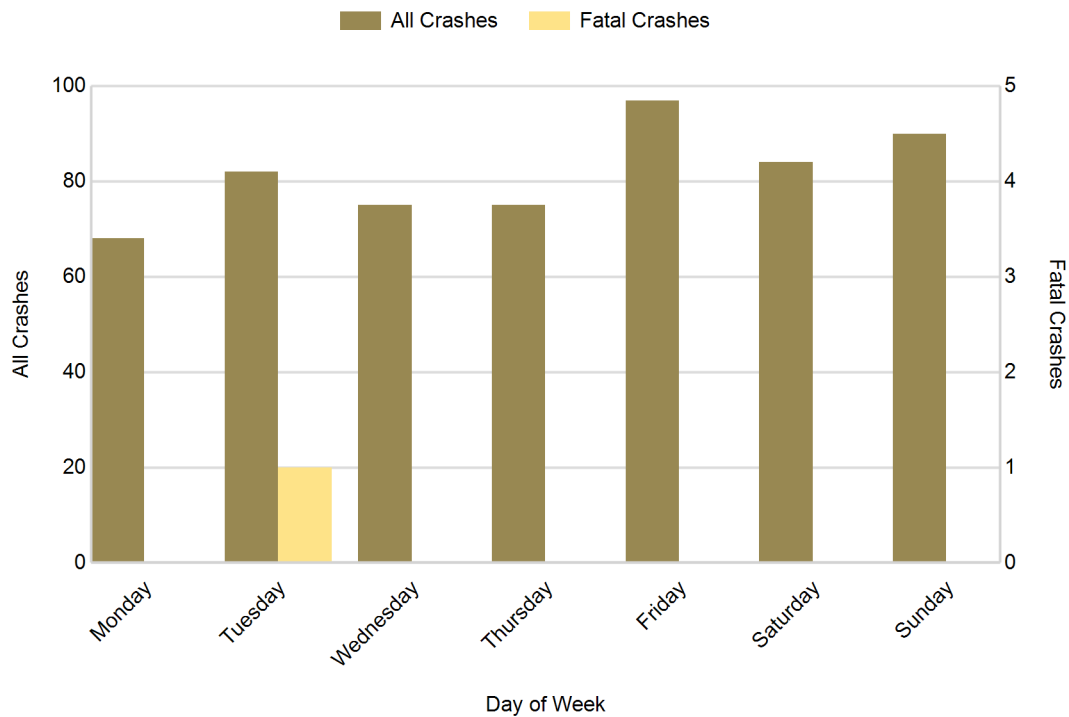
2016 Crashes by Month



2016 - Crashes by Day of Week

Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Monday	68	11.9	0	0.0	0	3	2	63
Tuesday	82	14.4	1	100.0	0	1	3	77
Wednesday	75	13.1	0	0.0	1	1	4	69
Thursday	75	13.1	0	0.0	1	3	9	62
Friday	97	17.0	0	0.0	2	2	5	88
Saturday	84	14.7	0	0.0	0	3	7	74
Sunday	90	15.8	0	0.0	1	7	5	77
Total	571	100.0	1	100.0	5	20	35	510

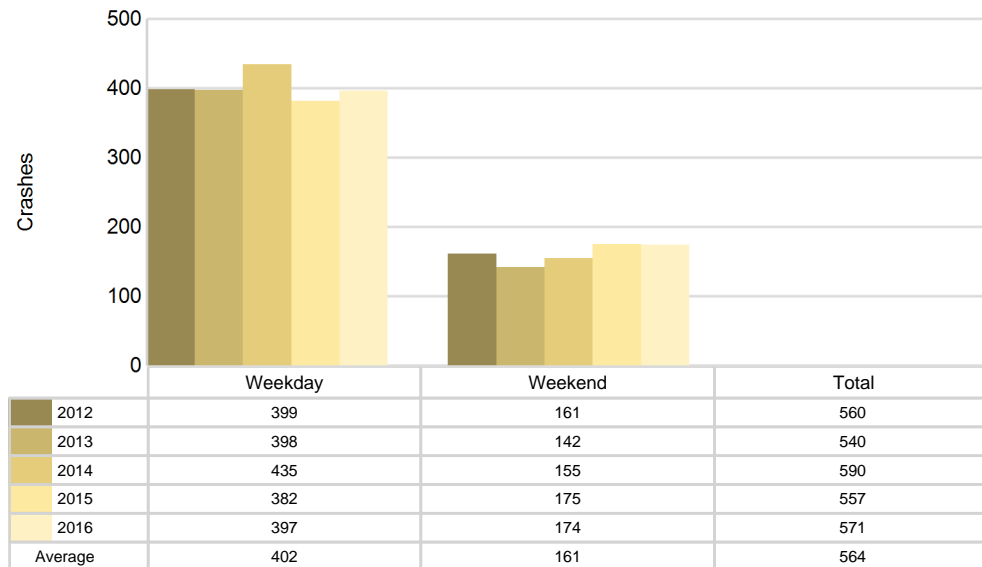
2016 Day of Week and Severity



5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	399	3	398	2	435	5	382	4	397	1
Weekend	161	1	142	1	155	0	175	0	174	0
Total	560	4	540	3	590	5	557	4	571	1

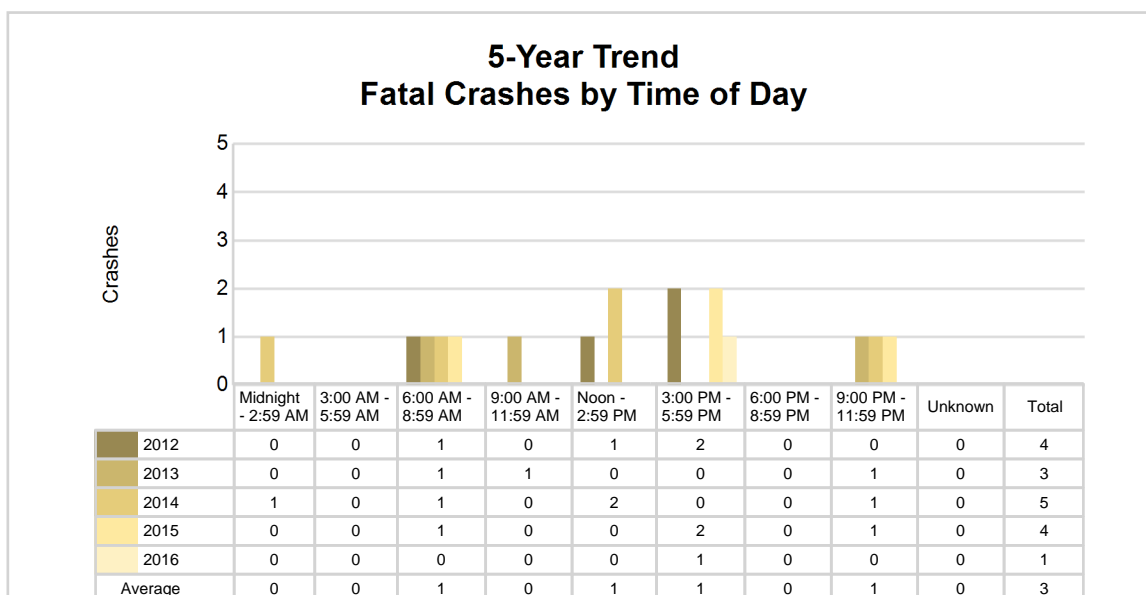
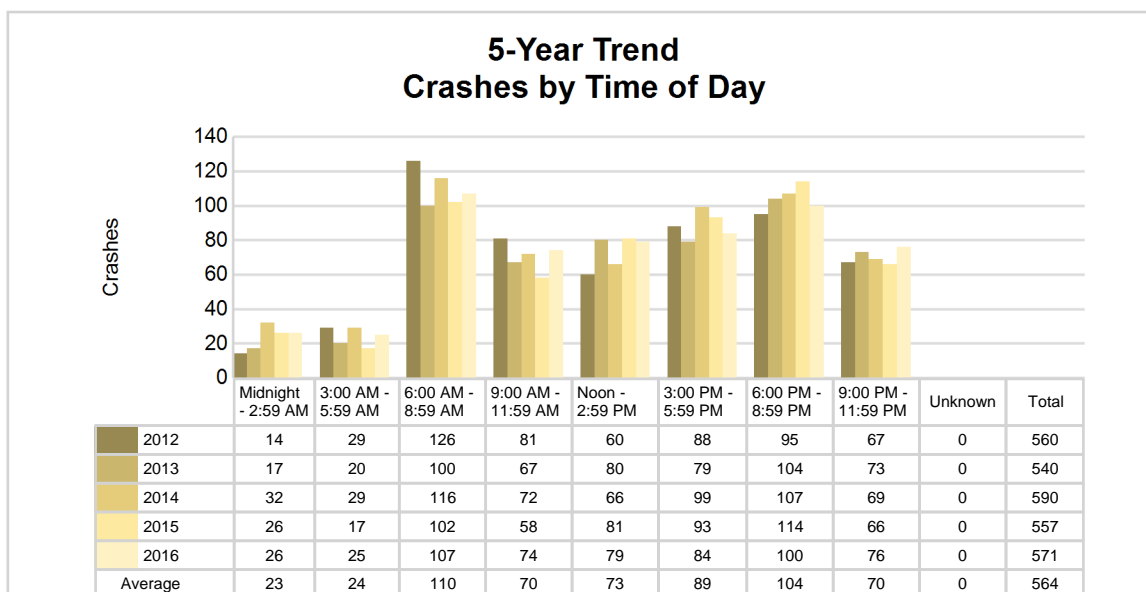
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

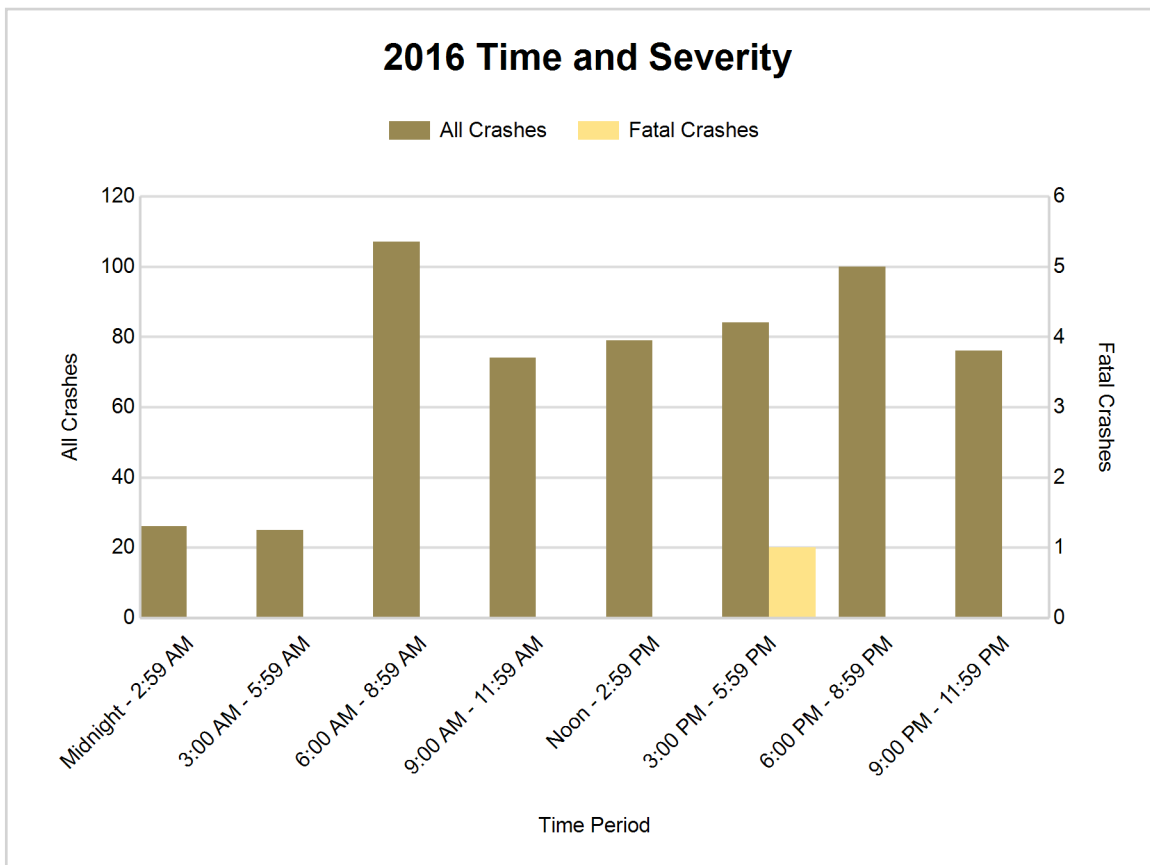
Time of Day	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	14	0	17	0	32	1	26	0	26	0
3:00 AM - 5:59 AM	29	0	20	0	29	0	17	0	25	0
6:00 AM - 8:59 AM	126	1	100	1	116	1	102	1	107	0
9:00 AM - 11:59 AM	81	0	67	1	72	0	58	0	74	0
Noon - 2:59 PM	60	1	80	0	66	2	81	0	79	0
3:00 PM - 5:59 PM	88	2	79	0	99	0	93	2	84	1
6:00 PM - 8:59 PM	95	0	104	0	107	0	114	0	100	0
9:00 PM - 11:59 PM	67	0	73	1	69	1	66	1	76	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	560	4	540	3	590	5	557	4	571	1

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



2016 - Time and Severity

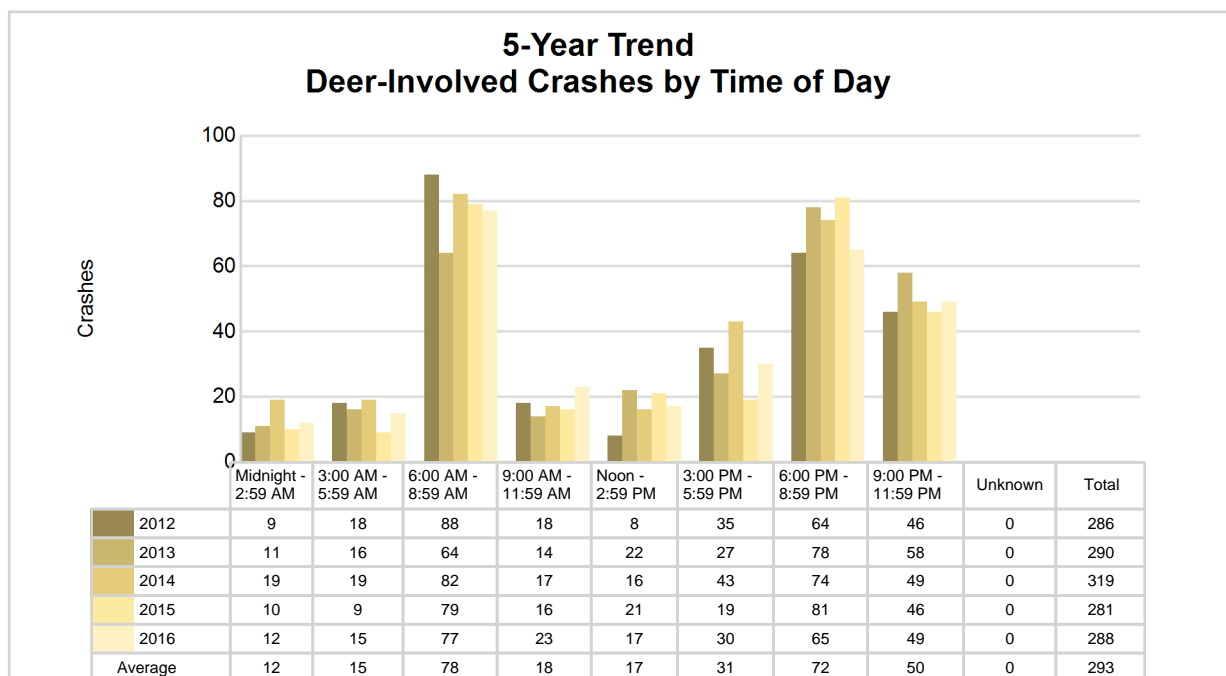
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	26	4.6	0	0.0	0	4	1	21
3:00 AM - 5:59 AM	25	4.4	0	0.0	0	0	0	25
6:00 AM - 8:59 AM	107	18.7	0	0.0	1	4	3	99
9:00 AM - 11:59 AM	74	13.0	0	0.0	1	0	5	68
Noon - 2:59 PM	79	13.8	0	0.0	2	3	6	68
3:00 PM - 5:59 PM	84	14.7	1	100.0	1	1	7	74
6:00 PM - 8:59 PM	100	17.5	0	0.0	0	6	8	86
9:00 PM - 11:59 PM	76	13.3	0	0.0	0	2	5	69
Unknown	0	0.0	0	0.0	0	0	0	0
Total	571	100.0	1	100.0	5	20	35	510



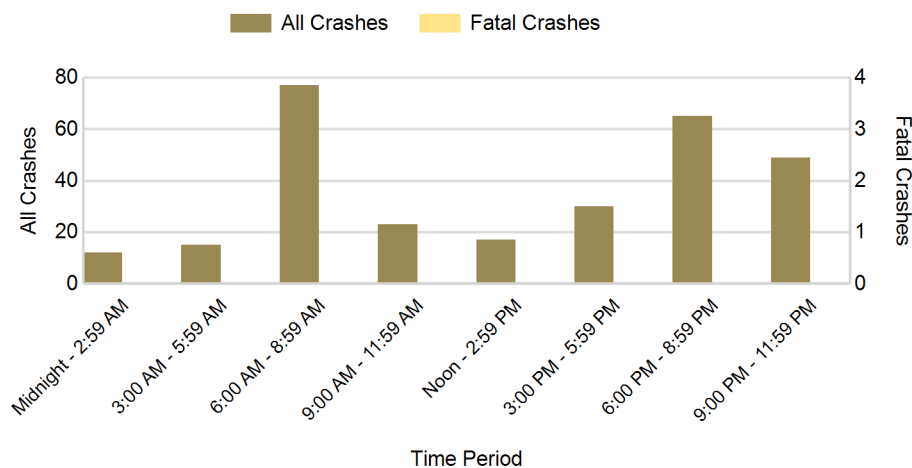
5-Year Trend - Deer-Involved Crashes by Time of Day

Time of Day	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	9	0	11	0	19	0	10	0	12	0
3:00 AM - 5:59 AM	18	0	16	0	19	0	9	0	15	0
6:00 AM - 8:59 AM	88	0	64	0	82	0	79	0	77	0
9:00 AM - 11:59 AM	18	0	14	0	17	0	16	0	23	0
Noon - 2:59 PM	8	0	22	0	16	0	21	0	17	0
3:00 PM - 5:59 PM	35	0	27	0	43	0	19	0	30	0
6:00 PM - 8:59 PM	64	0	78	0	74	0	81	0	65	0
9:00 PM - 11:59 PM	46	0	58	0	49	0	46	0	49	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	286	0	290	0	319	0	281	0	288	0

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



2016 Time and Severity of Deer-Involved Crashes



There were no fatal deer-involved crashes in Benzie County in 2016

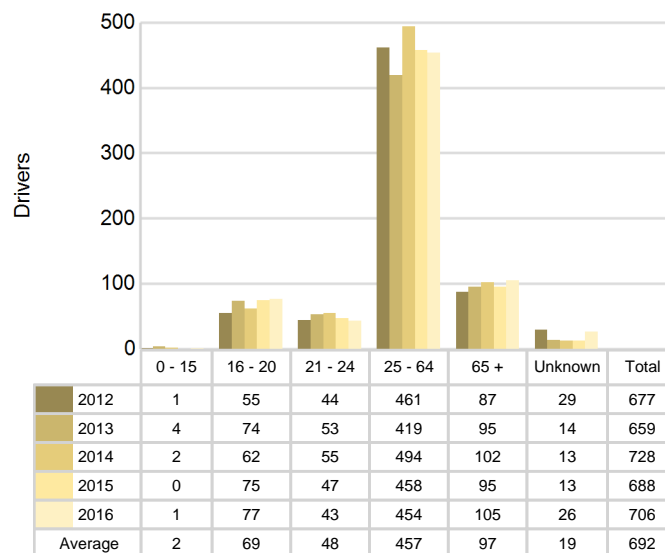
2016 - Reported Motor Vehicle Crashes by Municipality

Municipality	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Almira Twp.	37	0	4	33	0	0	0	37	0	1	17	0	4
Benzonia	22	0	2	20	0	15	3	4	0	0	9	0	2
Benzonia Twp.	96	1	10	85	0	35	11	50	2	1	55	2	18
Beulah	15	0	2	13	0	11	0	4	1	1	5	0	2
Blaine Twp.	16	0	3	13	0	0	6	10	0	0	6	0	3
Colfax Twp.	21	0	5	16	0	0	0	21	3	0	9	0	6
Crystal Lake Twp.	42	0	5	37	0	0	23	19	2	1	20	0	5
Elberta	2	0	0	2	0	0	0	2	0	0	0	0	0
Frankfort	29	0	0	29	0	0	11	18	1	0	6	0	0
Gilmore Twp.	18	0	4	14	0	0	6	12	0	0	12	0	6
Homestead Twp.	72	0	6	66	0	32	0	40	6	0	32	0	10
Honor	14	0	1	13	0	12	0	2	1	1	6	0	1
Inland Twp.	71	0	3	68	0	24	0	47	0	1	39	0	3
Joyfield Twp.	35	0	2	33	0	15	11	9	0	0	24	0	2
Lake Ann	5	0	1	4	0	0	0	4	1	0	1	0	2
Lake Twp.	23	0	4	19	0	0	12	11	1	0	15	0	4
Platte Twp.	13	0	3	10	0	0	2	11	0	0	10	0	4
Thompsonville	6	0	1	5	0	0	0	6	0	0	2	0	1
Weldon Twp.	34	0	4	30	0	0	14	20	1	0	20	0	4
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	571	1	60	510	0	144	99	327	19	6	288	2	77

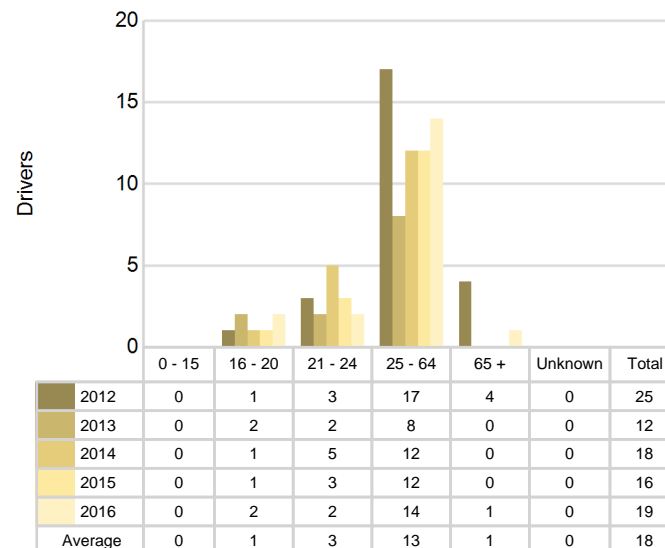
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2012		2013		2014		2015		2016	
	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking
0 - 15	1	0	4	0	2	0	0	0	1	0
16 - 20	55	1	74	2	62	1	75	1	77	2
21 - 24	44	3	53	2	55	5	47	3	43	2
25 - 64	461	17	419	8	494	12	458	12	454	14
65 +	87	4	95	0	102	0	95	0	105	1
Unknown	29	0	14	0	13	0	13	0	26	0
Total	677	25	659	12	728	18	688	16	706	19

5-Year Trend Total Drivers in Crashes by Age



5-Year Trend Total Drivers Coded Drinking by Age



2016 - Bodily Alcohol Concentration (BAC) Results Among All Vehicle Drivers in Alcohol-Involved Crashes by Age

Age Group	Drivers				BAC Result Range for Drivers Coded Drinking				
	Total Drivers in Alcohol-Involved Crashes	Total Drivers Tested in all Crashes	Total Drivers Coded Drinking, Tested	Total Drivers Coded Drinking	BAC = 0.00	BAC 0.01 g/dL to 0.07 g/dL	BAC 0.08 g/dL to 0.16 g/dL	BAC 0.17 g/dL and Above	BAC Not Reported
0 - 15	0	0	0	0	0	0	0	0	0
16 - 20	2	4	2	2	0	1	0	1	0
21 - 24	2	1	1	2	0	0	1	0	1
25 - 64	19	20	10	14	0	1	7	2	4
65 +	1	1	1	1	0	0	1	0	0
Unknown	4	0	0	0	0	0	0	0	0
Total	28	26	14	19	0	2	9	3	5

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

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

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

Alcohol-Involved Crashes

In 2016, there were 28 drivers in alcohol-involved crashes; 19 (67.9%) of those drivers were coded as had-been-drinking by the officer on the crash form.

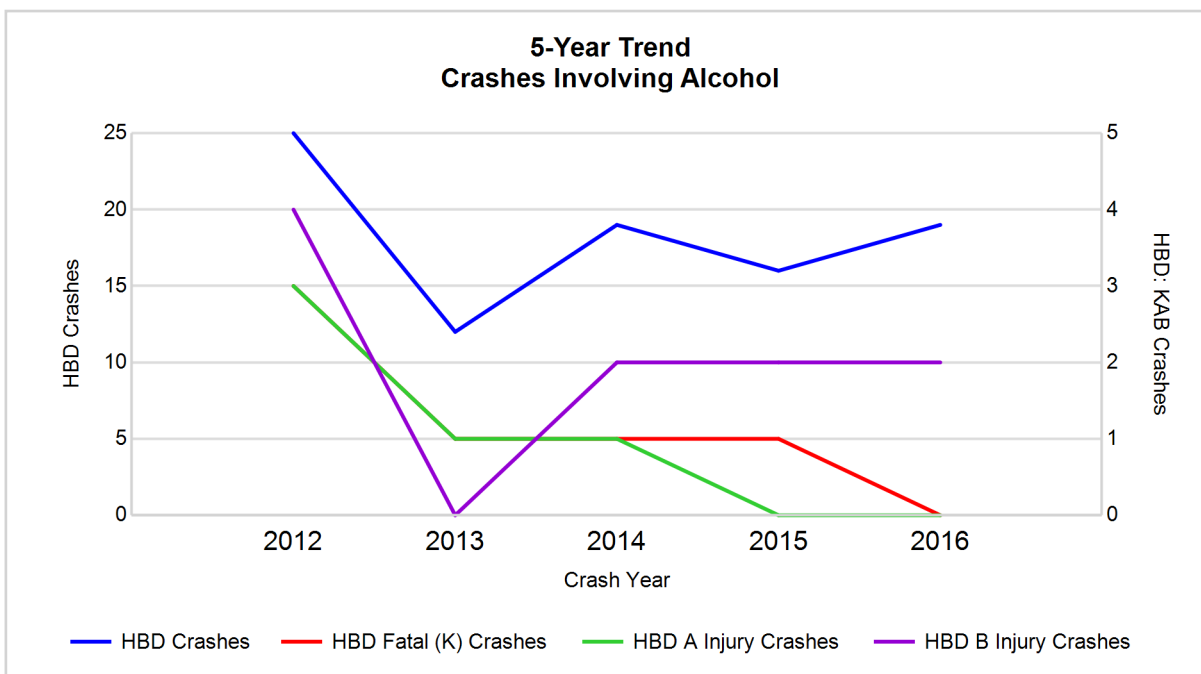
- 12 (63.2%) of the 19 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 3 (25.0%) of the 12 drivers had a BAC at or above 0.17 g/dL.
- 14 (73.7%) of the 19 drivers were coded as had-been-drinking and were tested for alcohol consumption.

5-Year Trend - Crashes Involving Alcohol

Year	All Crashes	HBD Crashes	% HBD	Fatal Crashes	HBD Fatal Crashes	% HBD	A Injury Crashes	HBD A Injury Crashes	% HBD	B Injury Crashes	HBD B Injury Crashes	% HBD
2012	560	25	4.5	4	3	75.0	11	3	27.3	14	4	28.6
2013	540	12	2.2	3	1	33.3	5	1	20.0	8	0	0.0
2014	590	19	3.2	5	1	20.0	3	1	33.3	14	2	14.3
2015	557	16	2.9	4	1	25.0	5	0	0.0	18	2	11.1
2016	571	19	3.3	1*	0*	0.0*	5	0	0.0	20**	2	10.0

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



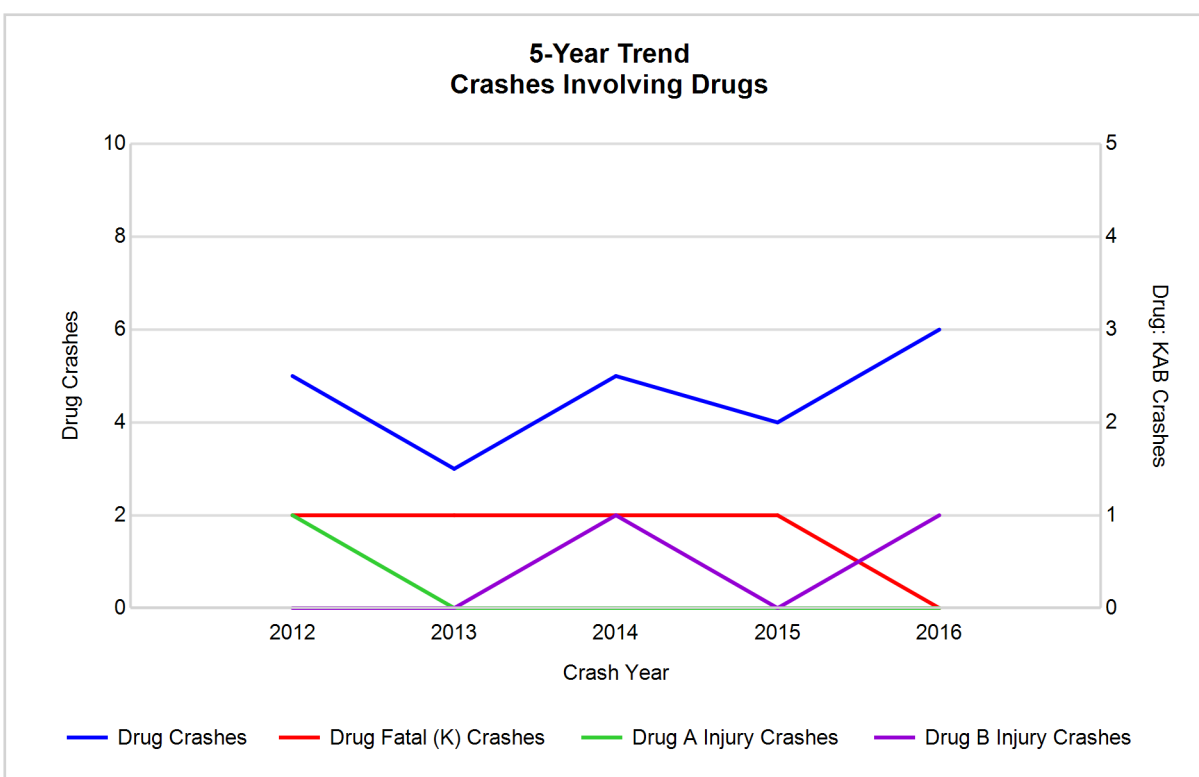
Note: Had-Been-Drinking (HBD)

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
2012	560	5	0.9	4	1	25.0	11	1	9.1	14	0	0.0
2013	540	3	0.6	3	1	33.3	5	0	0.0	8	0	0.0
2014	590	5	0.8	5	1	20.0	3	0	0.0	14	1	7.1
2015	557	4	0.7	4	1	25.0	5	0	0.0	18	0	0.0
2016	571	6**	1.1**	1*	0*	0.0*	5	0	0.0	20**	1	5.0

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

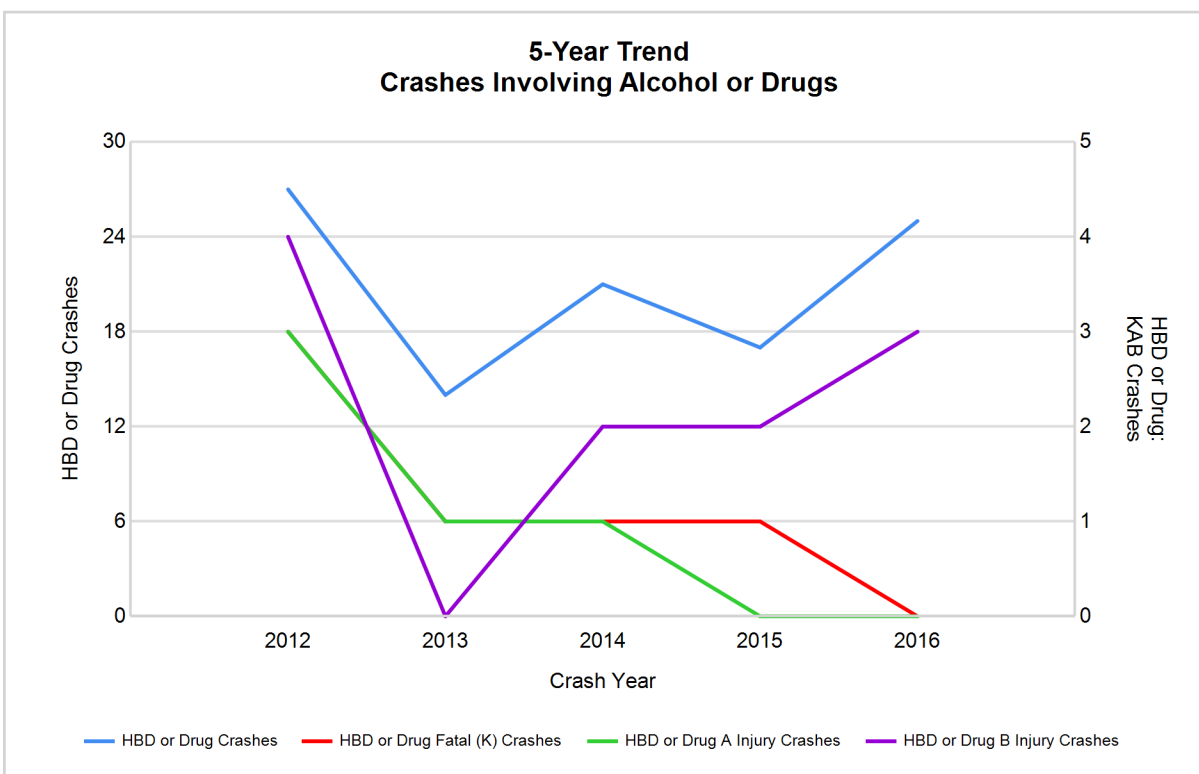


5-Year Trend - Crashes Involving Alcohol or Drugs

Year	All Crashes	HBD or Drug Crashes	% HBD or Drug	Fatal Crashes	HBD or Drug Fatal Crashes	% HBD or Drug	A Injury Crashes	HBD or Drug A Injury Crashes	% HBD or Drug	B Injury Crashes	HBD or Drug B Injury Crashes	% HBD or Drug
2012	560	27	4.8	4	3	75.0	11	3	27.3	14	4	28.6
2013	540	14	2.6	3	1	33.3	5	1	20.0	8	0	0.0
2014	590	21	3.6	5	1	20.0	3	1	33.3	14	2	14.3
2015	557	17	3.1	4	1	25.0	5	0	0.0	18	2	11.1
2016	571	25	4.4	1*	0*	0.0*	5	0	0.0	20**	3	15.0

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)

2016 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Vehicle Type

Vehicle Type	Total Occupants			Fatalities			A - Suspected Serious			B - Suspected Minor			C - Possible Injury			No Injury		
	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%
Passenger car, SUV, van	591	553	93.6	2	1	50.0	2	2	100.0	19	17	89.5	38	33	86.8	514	500	97.3
Motor home	5	4	80.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	4	3	75.0
Pickup truck	108	102	94.4	0	0	0.0	0	0	0.0	4	3	75.0	3	3	100.0	98	96	98.0
Small truck under 10,000 lbs. GVWR	4	3	75.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0
Motorcycle	4	3	75.0	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0	2	1	50.0
Moped / goped	1	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Go-cart / golf cart	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	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	2	2	100.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	0	0	0.0
Other	3	2	66.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	2	66.7
Truck/bus over 10,000 lbs.	12	12	100.0	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0	10	10	100.0
Unknown	5	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	735	681	92.7	2	1	0.0	5	4	80.0	25	22	88.0	44	39	88.6	634	615	97.0

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

2016 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Age

Age Group	Total Occupants			Fatalities			A - Suspected Serious			B - Suspected Minor			C - Possible Injury			No Injury		
	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%
0 - 15	7	5	71.4	1	0	0.0	0	0	0.0	3	2	66.7	2	2	100.0	1	1	100.0
16 - 20	81	78	96.3	0	0	0.0	0	0	0.0	4	4	100.0	12	10	83.3	65	64	98.5
21 - 24	46	44	95.7	0	0	0.0	0	0	0.0	2	2	100.0	4	4	100.0	40	38	95.0
25 - 64	466	448	96.1	1	1	100.0	5	4	80.0	14	13	92.9	19	17	89.5	426	413	96.9
65 +	109	106	97.2	0	0	0.0	0	0	0.0	2	1	50.0	7	6	85.7	100	99	99.0
Unknown	26	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0
Total	735	681	92.7	2	1	0.0	5	4	80.0	25	22	88.0	44	39	88.6	634	615	97.0

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	2012			2013			2014			2015			2016		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	13	0	2	8	0	1	6	0	1	5	0	1	3	0	0
Shoulder belt only used	1	0	1	1	0	0	1	0	1	1	0	0	5	0	0
Lap belt only used	2	0	1	0	0	0	3	0	0	4	0	0	1	0	1
Both lap & shoulder belts used	569	0	31	608	1	36	673	2	37	627	3	43	647	1	37
No belts used	22	3	7	3	1	0	11	0	3	7	0	4	3	0	1
Child restraint used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child restraint not used, unavailable or improper use	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint failure	0	0	0	1	0	0	1	0	0	1	0	0	1	0	1
Restraint use unknown	31	0	1	13	0	1	12	0	2	14	0	2	34	0	2
Helmet worn	8	1	4	4	0	1	2	0	2	12	0	9	4	0	3
Helmet not worn	3	0	3	2	0	2	3	0	2	2	0	1	2	0	1
Helmet use unknown	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Uncoded & errors	27	0	0	19	0	0	16	0	0	15	0	0	6	0	0
Total	677	4	50	659	2	41	728	2	48	688	3	60	706	1	46

5-Year Trend - Restraint Use Among Drivers Coded Drinking

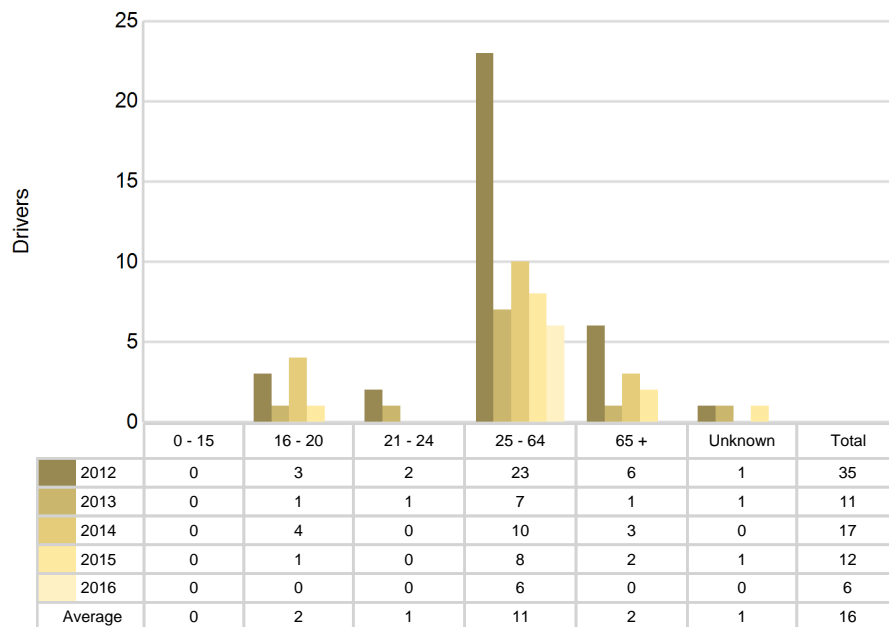
Restraint Use	2012			2013			2014			2015			2016		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shoulder belt only used	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Lap belt only used	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Both lap & shoulder belts used	11	0	4	5	0	0	9	0	0	8	1	0	16	0	2
No belts used	5	2	0	1	1	0	2	0	2	2	0	2	0	0	0
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	1	0	0	0	0	0	0	0	0
Restraint use unknown	5	0	1	6	0	1	3	0	1	5	0	2	3	0	0
Helmet worn	2	1	1	0	0	0	0	0	0	1	0	1	0	0	0
Helmet not worn	2	0	2	0	0	0	1	0	1	0	0	0	0	0	0
Helmet use unknown	0	0	0	0	0	0	0	0	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	25	3	8	12	1	1	18	0	5	16	1	5	19	0	2

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

Age Group	2012			2013			2014			2015			2016		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 - 20	3	0	2	1	0	0	4	0	3	1	0	1	0	0	0
21 - 24	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
25 - 64	23	1	5	7	1	1	10	0	1	8	0	4	6	0	1
65 +	6	2	2	1	0	0	3	0	0	2	0	0	0	0	0
Unknown	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0
Total	35	3	9	11	1	1	17	0	4	12	0	5	6	0	1

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

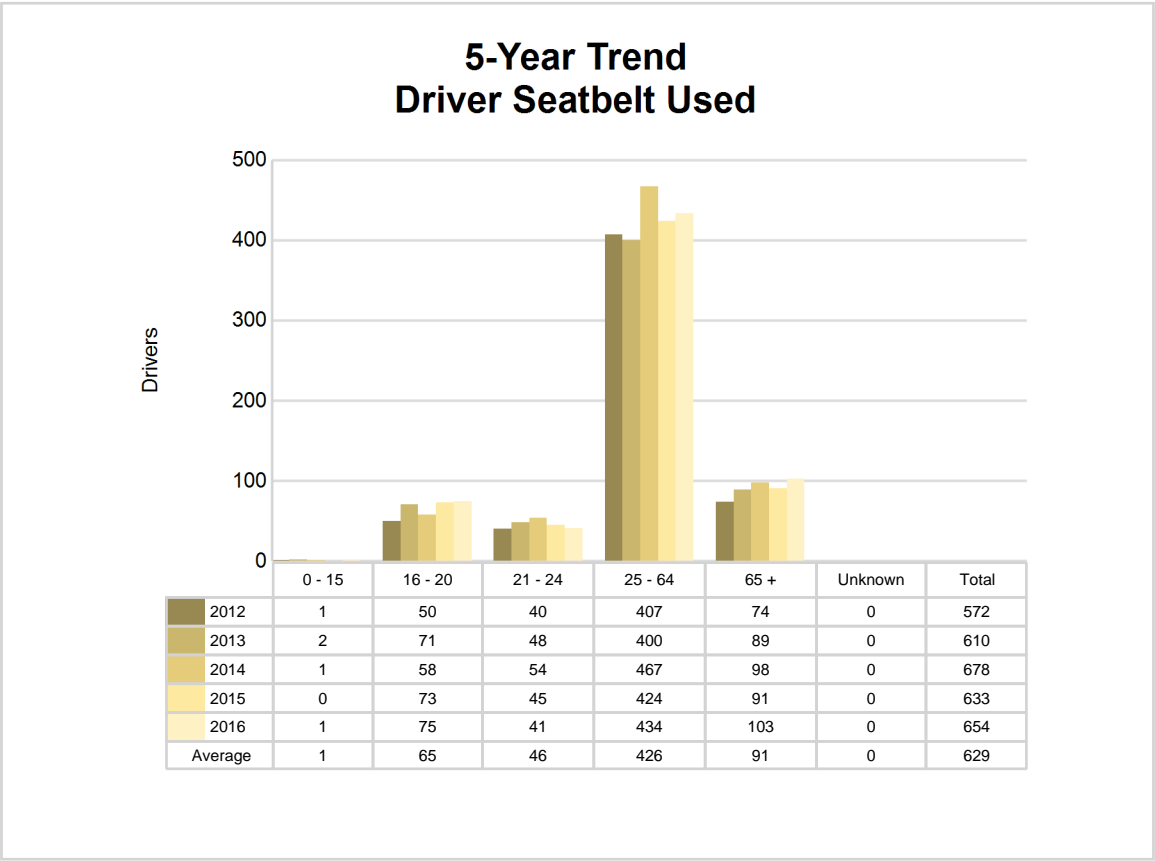
5-Year Trend Driver Seatbelt Not Used



5-Year Trend - Seatbelt Used Among Drivers by Age

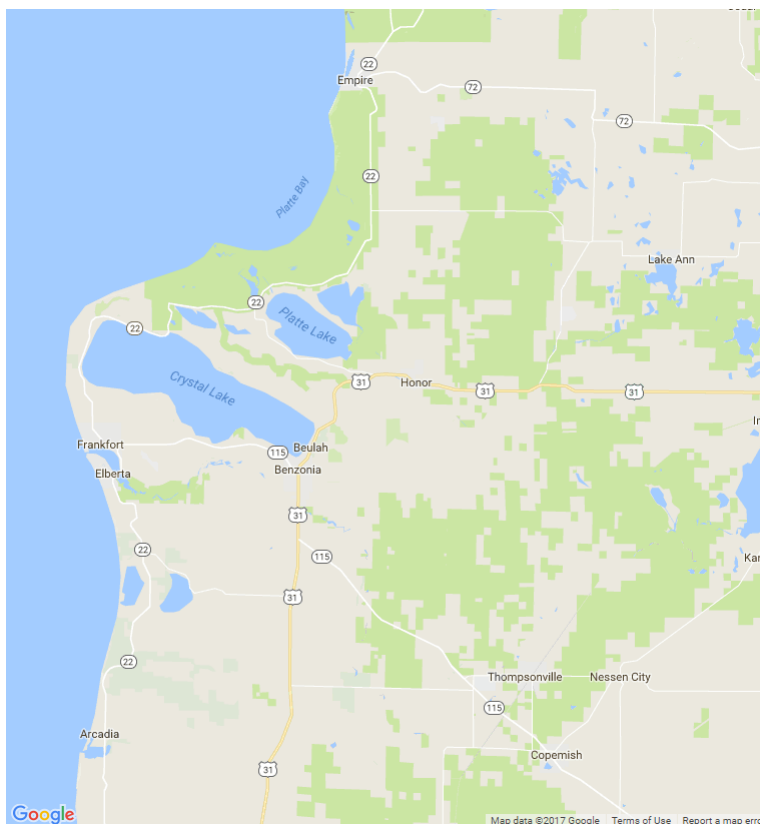
Age Group	2012			2013			2014			2015			2016		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	1	0	0	2	0	0	1	0	0	0	0	0	1	0	0
16 - 20	50	0	6	71	0	8	58	0	2	73	1	11	75	0	11
21 - 24	40	0	2	48	0	6	54	0	5	45	0	5	41	0	3
25 - 64	407	0	19	400	0	18	467	2	27	424	2	23	434	1	21
65 +	74	0	6	89	1	4	98	0	4	91	0	4	103	0	4
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	572	0	33	610	1	36	678	2	38	633	3	43	654	1	39

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	2012		2013		2014		2015		2016	
	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes
None	436	2	419	1	489	3	439	1	465	1
Speed too fast	89	2	89	2	69	1	74	1	69	0
Speed too slow	0	0	1	0	2	0	0	0	3	0
Failed to yield	26	0	38	0	40	0	36	0	38	0
Disregard traffic control	5	0	4	0	7	0	4	0	5	0
Drove wrong way	0	0	0	0	1	0	0	0	0	0
Drove left of center	6	1	2	0	11	2	5	0	4	0
Improper passing	9	0	5	0	1	0	4	0	3	0
Improper lane use	4	0	1	0	6	0	2	0	2	0
Improper turn	3	0	2	0	3	0	3	0	3	0
Improper/no signal	3	1	4	0	2	0	1	0	1	0
Improper backing	9	0	11	0	8	0	12	0	6	0
Unable to stop in assured clear distance	22	0	31	0	37	0	41	1	32	0
Other	32	0	18	0	20	0	27	1	22	0
Unknown	3	0	2	0	11	0	8	0	24	0
Reckless driving	1	0	3	0	3	0	3	0	2	0
Careless/negligent driving	29	0	29	0	18	1	29	1	27	1
Uncoded & errors	0	0	0	0	0	0	0	0	0	0
Total	677	6	659	3	728	7	688	5	706	2



In 2016, there were no alcohol-involved fatal crashes in Benzie County.

In 2016, there were 19 alcohol-involved crashes in Benzie County:

- 0 K - Fatal Crashes
- 0 A - Suspected Serious Injury Crashes
- 2 B - Suspected Minor Injury Crashes
- 4 C - Possible Injury Crashes
- 13 O - Property Damage Only/No Injury Crashes

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