MICHIGAN

OHSP

Office of Highway Safety Planning

2018

MTCF
Michigan Traffic
Crash Facts

Michigan Traffic Crash Facts

Benzie County

2018 Traffic Crash Data
& 2014-2018 5-Year Trends

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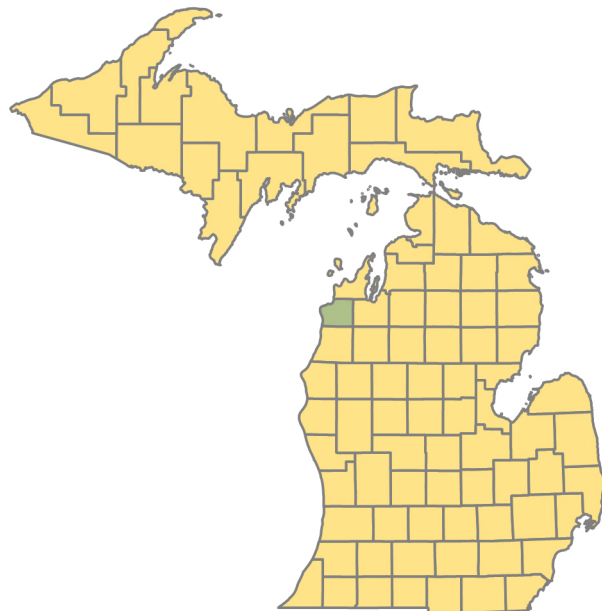
Sources:
The crashes in this report occurred on public roadways in Michigan and resulted in injuries, fatalities, or property damage (with $1,000 as a reporting threshold). The information was gathered from Michigan Traffic Crash Report Forms (UD-10) submitted by local police departments, sheriff's offices, and the Michigan State Police. Other related information was obtained from the departments of Transportation, State, and Community Health.

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Benzie County

2018 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	60	0	0	60	0	0
February	55	0	2	53	0	2
March	52	0	4	48	0	5
April	39	0	2	37	0	2
May	36	1	5	30	1	6
June	53	0	7	46	0	7
July	59	1	12	46	2	16
August	55	0	11	44	0	18
September	53	0	9	44	0	16
October	53	0	3	50	0	3
November	74	0	4	70	0	6
December	56	1	3	52	1	4
Total	**645**	**3**	**62**	**580**	**4**	**85**

Crashes by most severe injury (mapped/actual)

▲ K - Fatal (3/3)
● A - Suspected Serious (8/8)

Benzie County

In 2018:

There were 804 drivers involved in 645 motor vehicle crashes in Benzie County. Of those crashes, 3 were classified as fatal, resulting in 4 fatalities. An additional 85 persons were injured.

Benzie County experienced the highest number of motor vehicle crashes (74) in November, the highest number of fatal crashes (1) in May, July, and December, and the highest number of persons killed (2) in July.

Michigan driver statistics indicate 5.2 percent of licensed drivers in Benzie County were age 16-20, and 9.1 percent of drivers in crashes were also in that age group.

2018 - Driver Statistics

Age Group	Benzie County			Driver Rates	
	2018 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	2,822	89	1	3.5	112.4
16 - 20	889	770	73	821.1	948.1
21 - 24	607	625	58	955.5	928.0
25 - 64	8,796	8,853	520	591.2	587.4
65 +	4,639	4,531	131	282.4	289.1
Unknown	0	0	21	- -	- -
Total	**17,753**	**14,868**	**804**	**452.9**	**540.8**

2018 - 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	593	73.8	3	60.0	59	531
Motor home	0	0.0	0	0.0	0	0
Pickup truck	165	20.5	1	20.0	25	139
Small truck under 10,000 lbs. GVWR	5	0.6	0	0.0	1	4
Motorcycle	9	1.1	0	0.0	8	1
Moped / goped	0	0.0	0	0.0	0	0
Go-cart / golf cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.1	0	0.0	0	1
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	1	0.1	1	20.0	0	0
Other	4	0.5	0	0.0	1	3
Truck/bus over 10,000 lbs.	18	2.2	0	0.0	2	16
Unknown	8	1.0	0	0.0	2	6
Total	**804**	**100.0**	**5**	**100.0**	**98**	**701**

5-Year Trend - Crashes by Month

Month	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	58	0	45	0	42	0	68	0	60	0
February	47	1	50	0	40	0	45	0	55	0
March	54	0	40	0	42	0	34	0	52	0
April	42	0	31	0	34	0	27	0	39	0
May	26	0	29	0	34	0	41	0	36	1
June	40	0	44	0	51	0	54	0	53	0
July	39	1	44	0	53	0	44	0	59	1
August	51	1	60	0	46	0	57	0	55	0
September	31	1	41	1	49	0	45	0	53	0
October	54	0	56	1	49	0	59	0	53	0
November	87 †	0	62 †	1	67 †	1	88 †	0	74 †	0
December	61	1	55	1	64	0	72	0	56	1
Total	**590**	**5**	**557**	**4**	**571**	**1**	**634**	**0**	**645**	**3**

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	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	77	1	65	0	68	0	71	0	84	1
Tuesday	79	0	82	0	82	1	105	0	112	0
Wednesday	95	1	86	2	75	0	100	0	92	0
Thursday	98	1	81	1	75	0	84	0	85	1
Friday	86	2	68	1	97	0	109	0	97	0
Saturday	89	0	84	0	84	0	81	0	99	1
Sunday	66	0	91	0	90	0	84	0	76	0
Total	**590**	**5**	**557**	**4**	**571**	**1**	**634**	**0**	**645**	**3**

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

2018 Crashes by Month
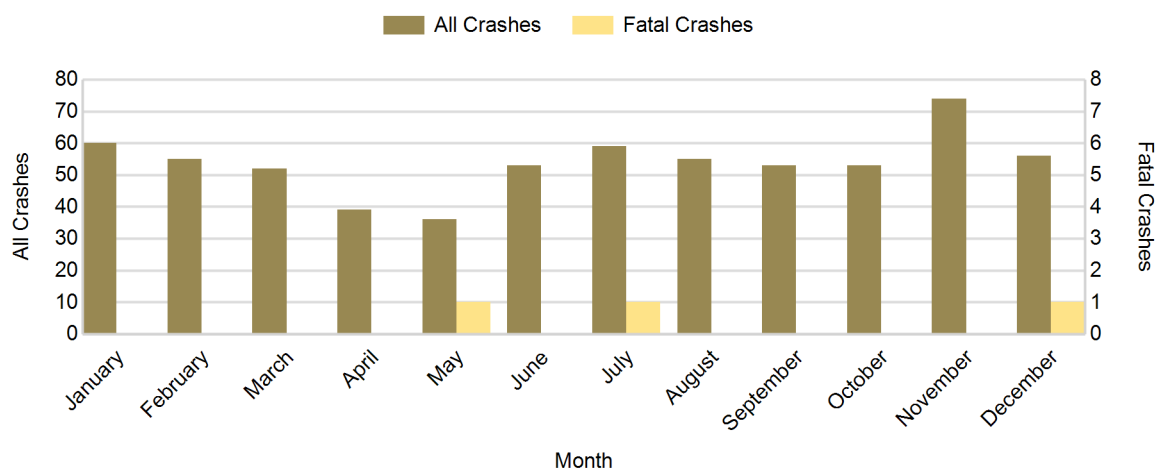
2018 - Crashes by Day of Week

Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Monday	84	13.0	1	33.3	1	4	2	76
Tuesday	112	17.4	0	0.0	1	1	11	99
Wednesday	92	14.3	0	0.0	0	6	2	84
Thursday	85	13.2	1	33.3	1	2	3	78
Friday	97	15.0	0	0.0	1	4	6	86
Saturday	99	15.3	1	33.3	2	5	4	87
Sunday	76	11.8	0	0.0	2	1	3	70
Total	**645**	**100.0**	**3**	**100.0**	**8**	**23**	**31**	**580**

2018 Day of Week and Severity
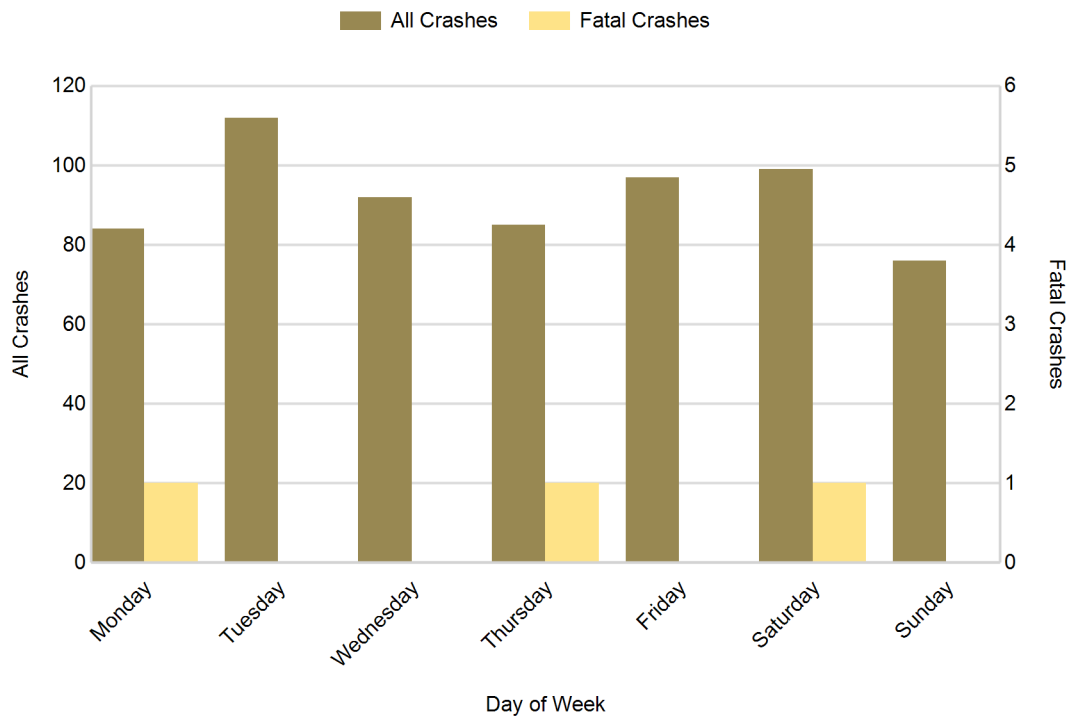
5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	435	5	382	4	397	1	469	0	470	2
Weekend	155	0	175	0	174	0	165	0	175	1
Total	**590**	**5**	**557**	**4**	**571**	**1**	**634**	**0**	**645**	**3**

5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)
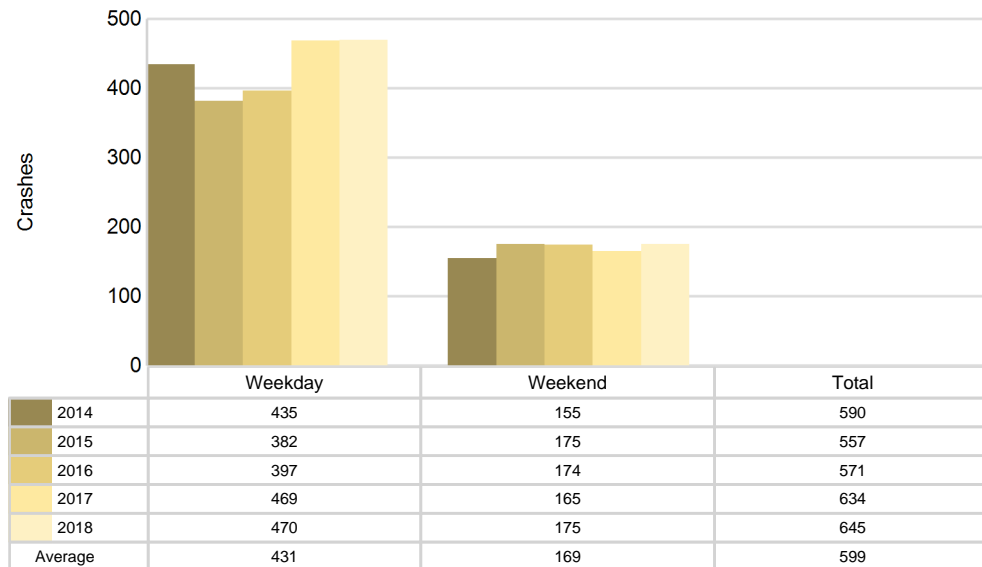
	Weekday	Weekend	Total
2014	435	155	590
2015	382	175	557
2016	397	174	571
2017	469	165	634
2018	470	175	645
Average	431	169	599

Benzie County (continued)

5-Year Trend - Crashes by Time of Day

Time of Day	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	32	1	26	0	26	0	29	0	23	1
3:00 AM - 5:59 AM	29	0	17	0	25	0	24	0	29	0
6:00 AM - 8:59 AM	116	1	102	1	107	0	134	0	137	0
9:00 AM - 11:59 AM	72	0	58	0	74	0	69	0	69	0
Noon - 2:59 PM	66	2	81	0	79	0	70	0	79	1
3:00 PM - 5:59 PM	99	0	93	2	84	1	100	0	106	1
6:00 PM - 8:59 PM	107	0	114	0	100	0	132	0	118	0
9:00 PM - 11:59 PM	69	1	66	1	76	0	76	0	84	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	**590**	**5**	**557**	**4**	**571**	**1**	**634**	**0**	**645**	**3**

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

5-Year Trend
## Crashes by Time of Day

	Midnight - 2:59 AM	3:00 AM - 5:59 AM	6:00 AM - 8:59 AM	9:00 AM - 11:59 AM	Noon - 2:59 PM	3:00 PM - 5:59 PM	6:00 PM - 8:59 PM	9:00 PM - 11:59 PM	Unknown	Total
2014	32	29	116	72	66	99	107	69	0	590
2015	26	17	102	58	81	93	114	66	0	557
2016	26	25	107	74	79	84	100	76	0	571
2017	29	24	134	69	70	100	132	76	0	634
2018	23	29	137	69	79	106	118	84	0	645
Average	27	25	119	68	75	96	114	74	0	599

5-Year Trend
Fatal Crashes by Time of Day

	Midnight - 2:59 AM	3:00 AM - 5:59 AM	6:00 AM - 8:59 AM	9:00 AM - 11:59 AM	Noon - 2:59 PM	3:00 PM - 5:59 PM	6:00 PM - 8:59 PM	9:00 PM - 11:59 PM	Unknown	Total
2014	1	0	1	0	2	0	0	1	0	5
2015	0	0	1	0	0	2	0	1	0	4
2016	0	0	0	0	0	1	0	0	0	1
2017	0	0	0	0	0	0	0	0	0	0
2018	1	0	0	0	1	1	0	0	0	3
Average	0	0	0	0	1	1	0	0	0	3

2018 - 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	23	3.6	1	33.3	2	0	0	20
3:00 AM - 5:59 AM	29	4.5	0	0.0	1	1	1	26
6:00 AM - 8:59 AM	137	21.2	0	0.0	0	2	6	129
9:00 AM - 11:59 AM	69	10.7	0	0.0	1	0	3	65
Noon - 2:59 PM	79	12.2	1	33.3	1	6	7	64
3:00 PM - 5:59 PM	106	16.4	1	33.3	2	7	8	88
6:00 PM - 8:59 PM	118	18.3	0	0.0	0	0	2	116
9:00 PM - 11:59 PM	84	13.0	0	0.0	1	7	4	72
Unknown	0	0.0	0	0.0	0	0	0	0
Total	**645**	**100.0**	**3**	**100.0**	**8**	**23**	**31**	**580**
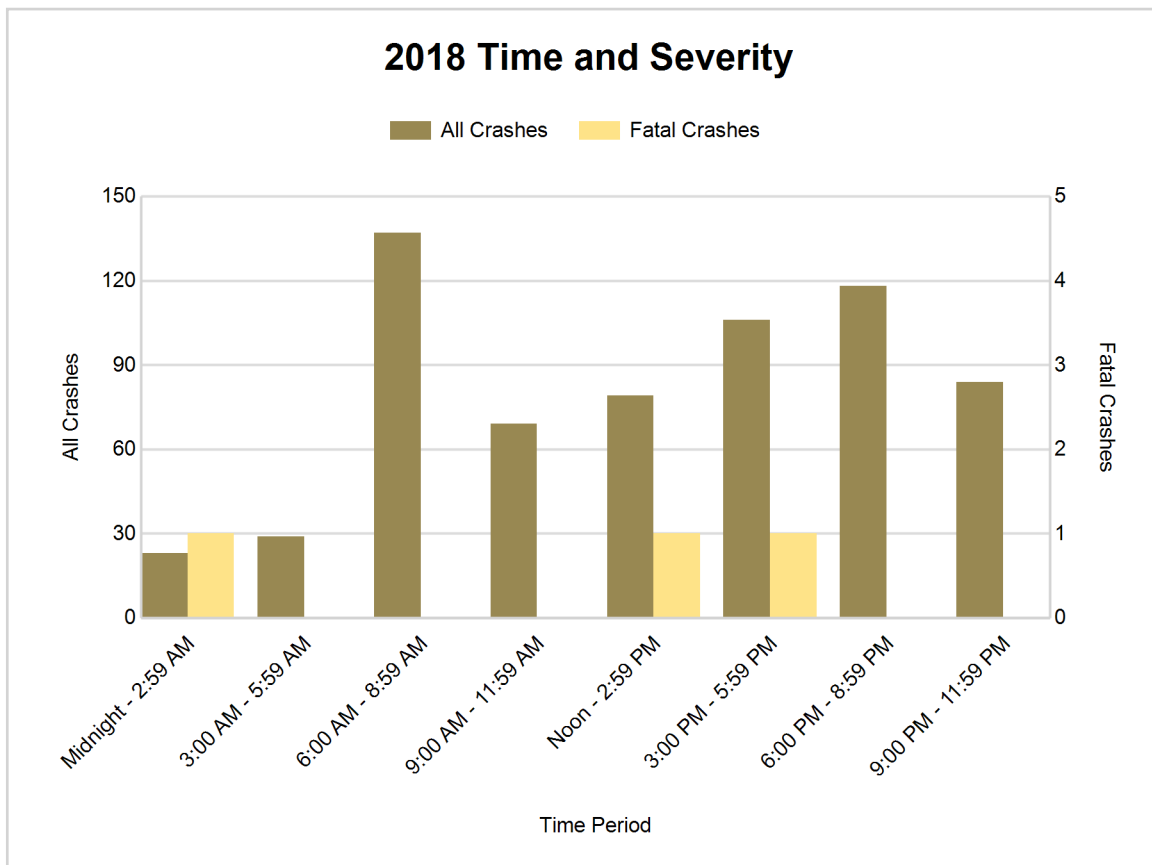
Benzie County (continued)

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

Time of Day	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	19	0	10	0	12	0	12	0	10	0
3:00 AM - 5:59 AM	19	0	9	0	15	0	13	0	22	0
6:00 AM - 8:59 AM	82	0	79	0	77	0	90	0	87	0
9:00 AM - 11:59 AM	17	0	16	0	23	0	16	0	27	0
Noon - 2:59 PM	16	0	21	0	17	0	11	0	16	0
3:00 PM - 5:59 PM	43	0	19	0	30	0	33	0	26	0
6:00 PM - 8:59 PM	74	0	81	0	65	0	83	0	85	0
9:00 PM - 11:59 PM	49	0	46	0	49	0	47	0	54	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	**319**	**0**	**281**	**0**	**288**	**0**	**305**	**0**	**327**	**0**

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

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

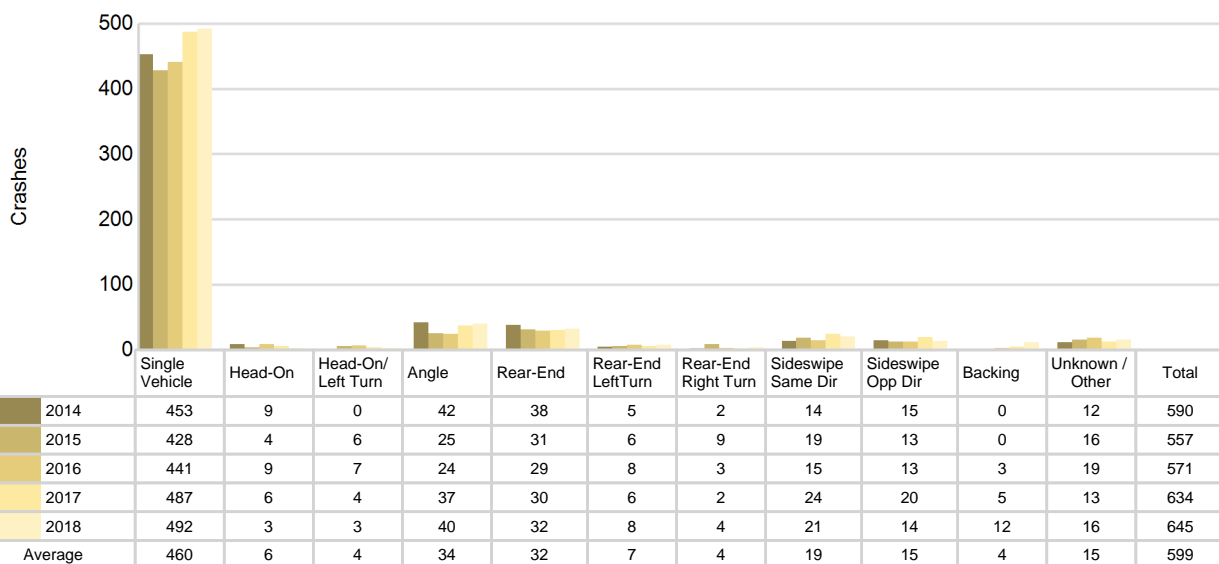		Midnight - 2:59 AM	3:00 AM - 5:59 AM	6:00 AM - 8:59 AM	9:00 AM - 11:59 AM	Noon - 2:59 PM	3:00 PM - 5:59 PM	6:00 PM - 8:59 PM	9:00 PM - 11:59 PM	Unknown	Total
2014	19	19	82	17	16	43	74	49	0	319
2015	10	9	79	16	21	19	81	46	0	281
2016	12	15	77	23	17	30	65	49	0	288
2017	12	13	90	16	11	33	83	47	0	305
2018	10	22	87	27	16	26	85	54	0	327
Average	13	16	83	20	16	30	78	49	0	304
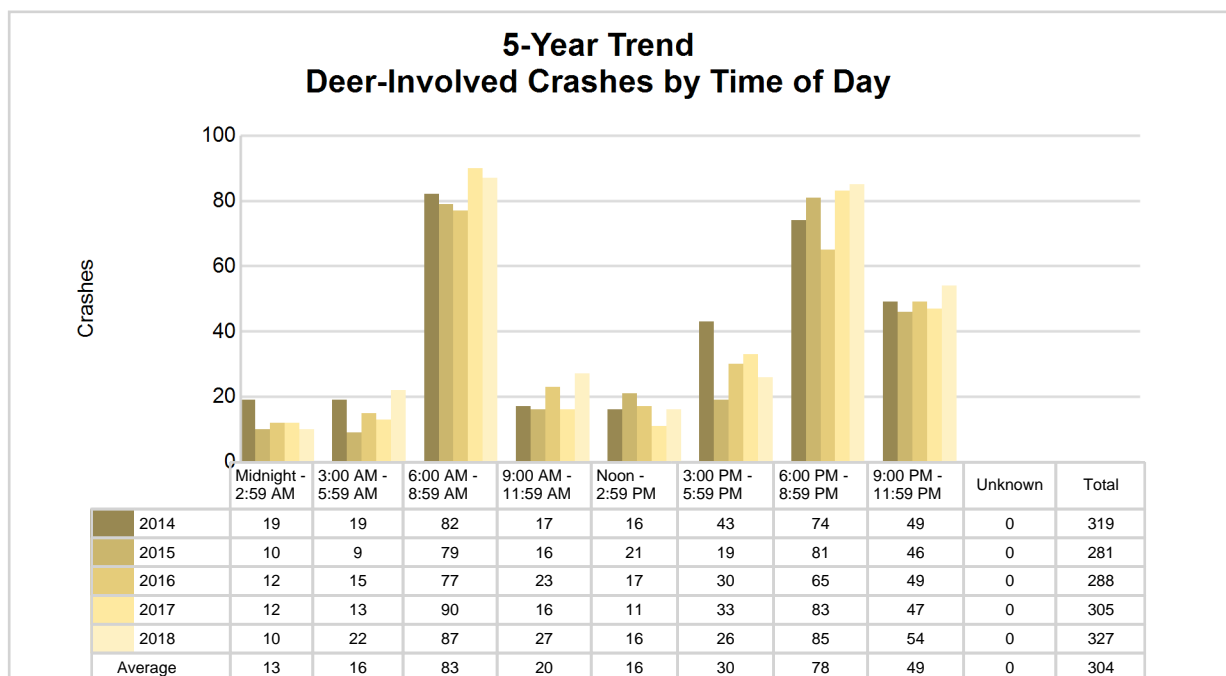
2018 Time and Severity of Deer-Involved Crashes
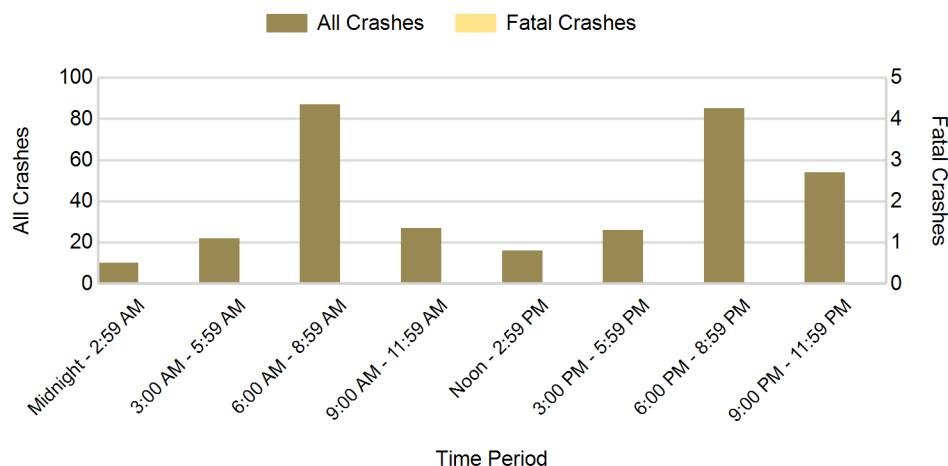
There were no fatal deer-involved crashes in Benzie County in 2018

Benzie County (continued)

5-Year Trend - Crashes by Crash Type

Crash Type	2014 Total Crashes	2014 Fatal Crashes	2015 Total Crashes	2015 Fatal Crashes	2016 Total Crashes	2016 Fatal Crashes	2017 Total Crashes	2017 Fatal Crashes	2018 Total Crashes	2018 Fatal Crashes
Single motor vehicle	453	3	428	3	441	0	487	0	492	1
Head-on	9	2	4	0	9	1	6	0	3	1
Head-on / left turn	0	0	6	0	7	0	4	0	3	0
Angle	42	0	25	0	24	0	37	0	40	1
Rear-end	38	0	31	1	29	0	30	0	32	0
Rear-end left turn	5	0	6	0	8	0	6	0	8	0
Rear-end right turn	2	0	9	0	3	0	2	0	4	0
Sideswipe same direction	14	0	19	0	15	0	24	0	21	0
Sideswipe opposite direction	15	0	13	0	13	0	20	0	14	0
Backing	0	0	0	0	3	0	5	0	12	0
Other / Unknown	12	0	16	0	19	0	13	0	16	0
Uncoded and Errors	0	0	0	0	0	0	0	0	0	0
Total	**590**	**5**	**557**	**4**	**571**	**1**	**634**	**0**	**645**	**3**

5-Year Trend
Crashes by Crash Type

	Single Vehicle	Head-On	Head-On/ Left Turn	Angle	Rear-End	Rear-End LeftTurn	Rear-End Right Turn	Sideswipe Same Dir	Sideswipe Opp Dir	Backing	Unknown / Other	Total
2014	453	9	0	42	38	5	2	14	15	0	12	590
2015	428	4	6	25	31	6	9	19	13	0	16	557
2016	441	9	7	24	29	8	3	15	13	3	19	571
2017	487	6	4	37	30	6	2	24	20	5	13	634
2018	492	3	3	40	32	8	4	21	14	12	16	645
Average	460	6	4	34	32	7	4	19	15	4	15	599

Benzie County (continued)

2018 - 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.	46	1	1	44	0	0	0	46	1	1	29	2	2
Benzonia	28	0	3	25	0	24	1	3	1	0	7	0	4
Benzonia Twp.	94	1	7	86	0	38	7	49	6	3	53	1	9
Beulah	16	0	3	13	0	9	0	7	2	0	3	0	7
Blaine Twp.	14	0	1	13	0	0	5	9	1	0	8	0	1
Colfax Twp.	32	0	5	27	0	0	0	32	4	3	13	0	6
Crystal Lake Twp.	46	0	1	45	0	0	32	14	4	0	30	0	1
Elberta	5	0	0	5	0	0	5	0	1	0	1	0	0
Frankfort	35	0	5	30	0	0	14	21	0	0	5	0	6
Gilmore Twp.	13	0	2	11	0	0	5	8	1	1	8	0	2
Homestead Twp.	79	0	5	74	0	33	0	45	4	2	46	0	8
Honor	14	0	3	11	0	11	0	3	2	0	3	0	3
Inland Twp.	74	0	8	66	0	35	0	39	2	1	32	0	10
Joyfield Twp.	48	0	7	41	0	24	11	12	2	2	30	0	12
Lake Ann	4	0	0	4	0	0	0	4	0	0	1	0	0
Lake Twp.	30	0	3	27	0	0	17	13	0	0	20	0	5
Platte Twp.	22	1	1	20	0	0	4	18	1	1	17	1	1
Thompsonville	7	0	2	5	0	0	0	7	0	0	3	0	3
Weldon Twp.	38	0	5	33	0	0	16	22	2	0	18	0	5
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**645**	**3**	**62**	**580**	**0**	**174**	**117**	**352**	**34**	**14**	**327**	**4**	**85**

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

Driver Age	2014		2015		2016		2017		2018	
	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	2	0	0	0	1	0	0	0	1	0
16 - 20	62	1	75	1	77	2	88	2	73	3
21 - 24	55	5	47	3	43	2	74	6	58	7
25 - 64	494	12	458	12	454	14	477	23	520	24
65 +	102	0	95	0	105	1	123	1	131	1
Unknown	13	0	13	0	26	0	21	0	21	0
Total	728	18	688	16	706	19	783	32	804	35

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

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2014	2	62	55	494	102	13	728
2015	0	75	47	458	95	13	688
2016	1	77	43	454	105	26	706
2017	0	88	74	477	123	21	783
2018	1	73	58	520	131	21	804
Average	1	75	55	481	111	19	742

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

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2014	0	1	5	12	0	0	18
2015	0	1	3	12	0	0	16
2016	0	2	2	14	1	0	19
2017	0	2	6	23	1	0	32
2018	0	3	7	24	1	0	35
Average	0	2	5	17	1	0	24
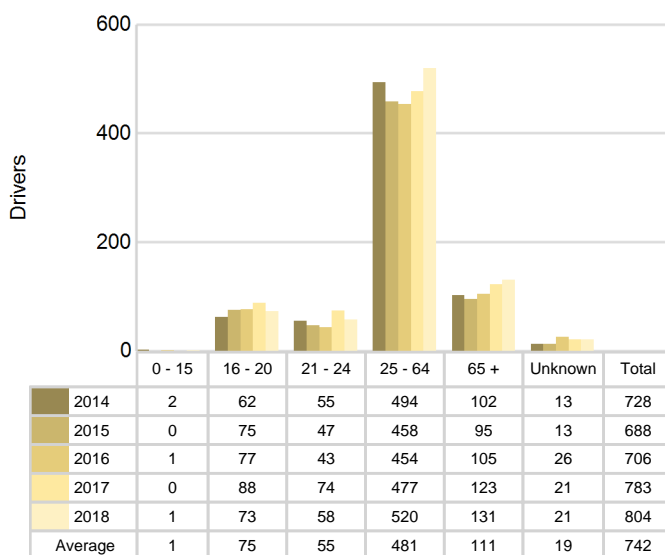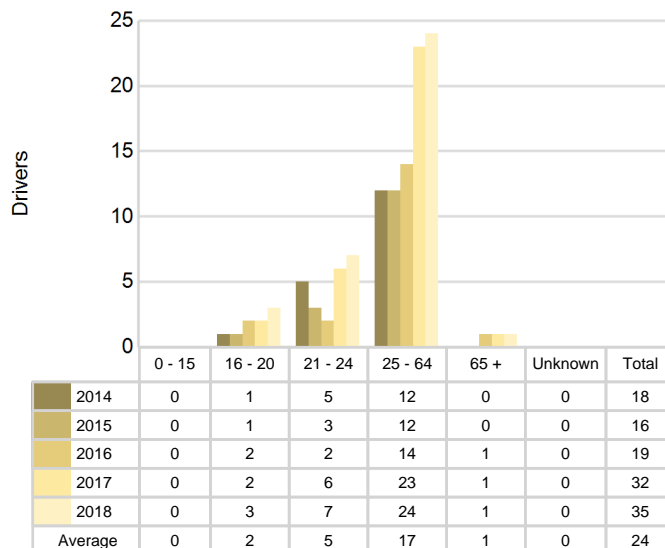
**2018 - Bodily Alcohol Concentration (BAC) Results Among
All Vehicle Drivers in Alcohol-Involved Crashes by Age**

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	5	2	2	3	0	1	0	1	1
21 - 24	7	7	3	7	0	1	1	1	4
25 - 64	28	17	15	24	0	2	4	5	13
65 +	2	1	1	1	0	0	0	0	1
Unknown	0	0	0	0	0	0	0	0	0
Total	**42**	**27**	**21**	**35**	**0**	**4**	**5**	**7**	**19**

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 2018, there were 42 drivers in alcohol-involved crashes; 35 (83.3%) of those drivers were coded as had-been-drinking by the officer on the crash form.
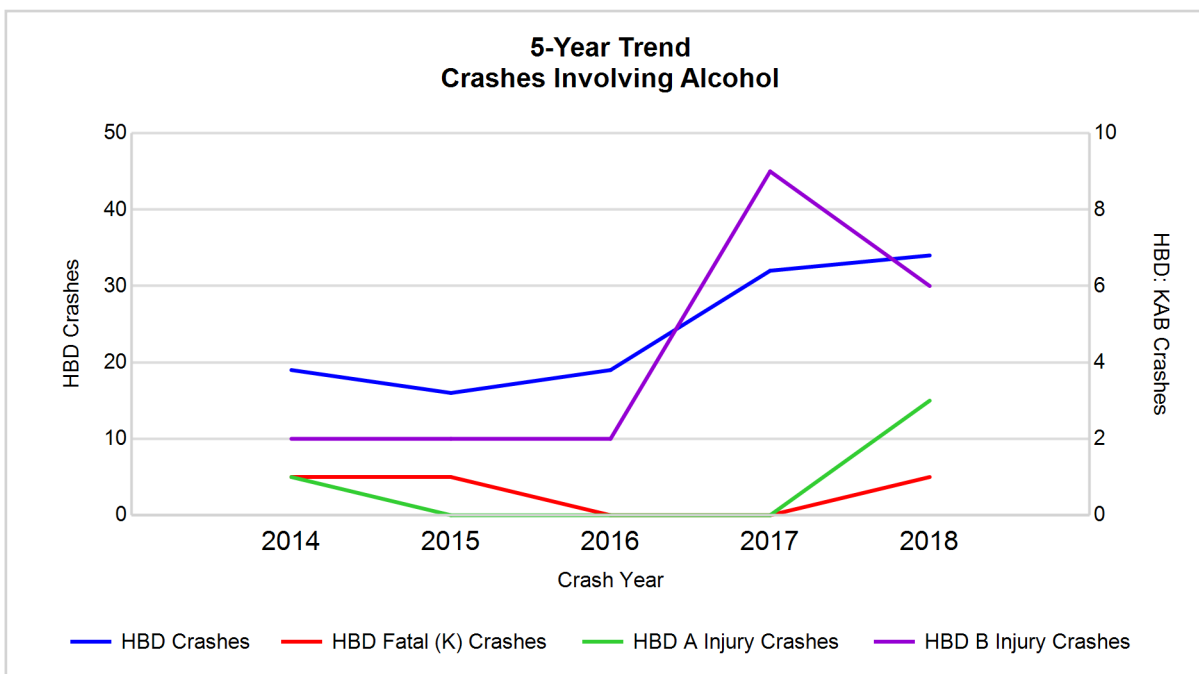
- 12 (34.3%) of the 35 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 7 (58.3%) of the 12 drivers had a BAC at or above 0.17 g/dL.

- 21 (60.0%) of the 35 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
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
2017	634	32	5.0	0	0	0.0	8	0	0.0	24	9	37.5
2018	645**	34**	5.3**	3	1	33.3**	8	3**	37.5**	23	6	26.1

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

**5-Year Trend
Crashes Involving Alcohol**

Note: Had-Been-Drinking (HBD)

Benzie County (continued)

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
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
2017	634	10	1.6	0	0	0.0	8	0	0.0	24	1	4.2
2018	645**	14**	2.2**	3	1	33.3**	8	2**	25.0**	23	3**	13.0**

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
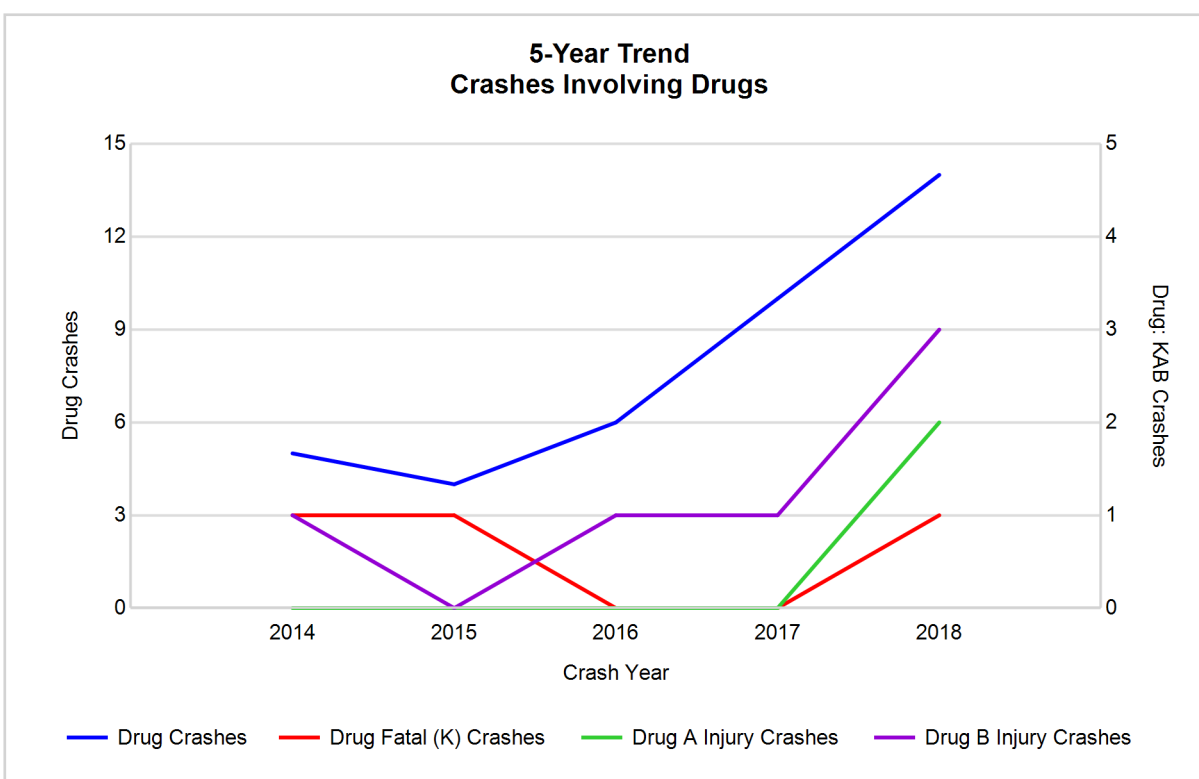

5-Year Trend
Crashes Involving Drugs

Benzie County (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
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
2017	634	36	5.7	0	0	0.0	8	0	0.0	24	9	37.5
2018	645**	39**	6.0**	3	1	33.3**	8	4**	50.0**	23	8	34.8

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
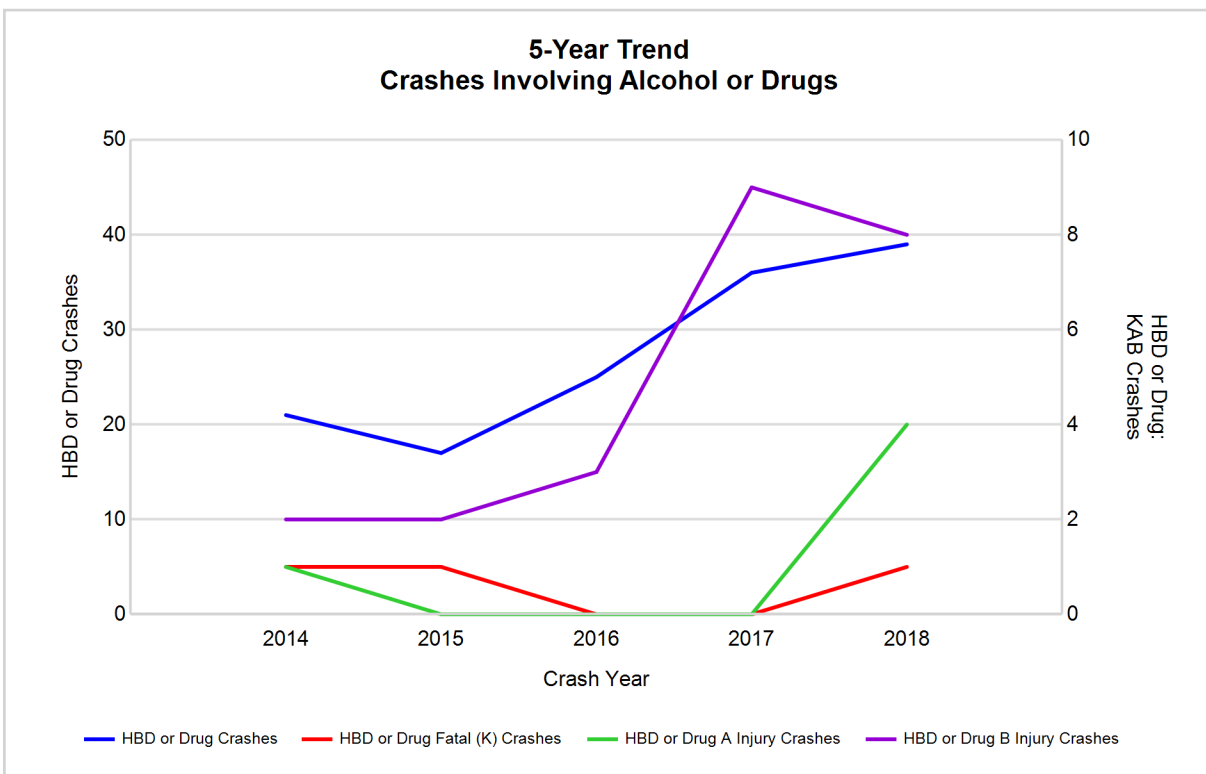

Note: Had-Been-Drinking (HBD)

Benzie County (continued)

2018 - 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	615	583	94.8	2	1	50.0	7	5	71.4	16	14	87.5	33	32	97.0	547	531	97.1
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	169	152	89.9	1	0	0.0	1	0	0.0	12	9	75.0	5	5	100.0	143	138	96.5
Small truck under 10,000 lbs. GVWR	5	5	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	4	4	100.0
Motorcycle	9	5	55.6	0	0	0.0	1	0	0.0	3	2	66.7	3	2	66.7	2	1	50.0
Moped / goped	0	0	0.0	0	0	0.0	0	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	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	1	1	100.0	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	4	3	75.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	3	75.0
Truck/bus over 10,000 lbs.	18	17	94.4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	18	17	94.4
Unknown	8	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	**830**	**767**	**92.4**	**4**	**2**	**0.0**	**9**	**5**	**55.6**	**31**	**25**	**80.6**	**42**	**40**	**95.2**	**719**	**695**	**96.7**

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.

2018 - 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	4	4	100.0	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0	1	1	100.0
16 - 20	78	71	91.0	1	0	0.0	1	1	100.0	2	1	50.0	4	4	100.0	70	65	92.9
21 - 24	62	57	91.9	1	0	0.0	1	0	0.0	5	3	60.0	5	5	100.0	50	49	98.0
25 - 64	529	504	95.3	1	1	100.0	4	2	50.0	20	17	85.0	19	17	89.5	482	467	96.9
65 +	136	131	96.3	1	1	100.0	3	2	66.7	4	4	100.0	11	11	100.0	116	113	97.4
Unknown	21	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	**830**	**767**	**92.4**	**4**	**2**	**0.0**	**9**	**5**	**55.6**	**31**	**25**	**80.6**	**42**	**40**	**95.2**	**719**	**695**	**96.7**

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.

Benzie County (continued)

5-Year Trend - Restraint Use Among Drivers

Restraint Use	2014			2015			2016			2017			2018		
	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	6	0	1	5	0	1	3	0	0	1	0	0	2	0	0
Shoulder belt only used	1	0	1	1	0	0	5	0	0	6	0	0	0	0	0
Lap belt only used	3	0	0	4	0	0	1	0	1	0	0	0	0	0	0
Both lap & shoulder belts used	673	2	37	627	3	43	647	1	37	717	0	59	736	1	42
No belts used	11	0	3	7	0	4	3	0	1	2	0	0	7	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	1	0	0	1	0	0	1	0	1	0	0	0	0	0	0
Restraint use unknown	12	0	2	14	0	2	34	0	2	47	0	3	48	1	4
Helmet worn	2	0	2	12	0	9	4	0	3	9	0	5	7	1	4
Helmet not worn	3	0	2	2	0	1	2	0	1	1	0	1	4	0	3
Helmet use unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Uncoded & errors	16	0	0	15	0	0	6	0	0	0	0	0	0	0	0
Total	**728**	**2**	**48**	**688**	**3**	**60**	**706**	**1**	**46**	**783**	**0**	**68**	**804**	**4**	**56**

5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2014			2015			2016			2017			2018		
	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	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0
Lap belt only used	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Both lap & shoulder belts used	9	0	0	8	1	0	16	0	2	21	0	5	21	0	5
No belts used	2	0	2	2	0	2	0	0	0	0	0	0	1	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint use unknown	3	0	1	5	0	2	3	0	0	8	0	2	11	0	3
Helmet worn	0	0	0	1	0	1	0	0	0	1	0	1	1	1	0
Helmet not worn	1	0	1	0	0	0	0	0	0	1	0	1	1	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	0	0	0	0	0	0	0	0	0	0	0	0
Total	**18**	**0**	**5**	**16**	**1**	**5**	**19**	**0**	**2**	**32**	**0**	**9**	**35**	**1**	**10**

Benzie County (continued)

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

Age Group	2014			2015			2016			2017			2018		
	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	4	0	3	1	0	1	0	0	0	0	0	0	1	1	0
21 - 24	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
25 - 64	10	0	1	8	0	4	6	0	1	2	0	0	6	0	2
65 +	3	0	0	2	0	0	0	0	0	1	0	0	1	0	0
Unknown	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Total	**17**	**0**	**4**	**12**	**0**	**5**	**6**	**0**	**1**	**3**	**0**	**0**	**9**	**1**	**3**

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

**5-Year Trend
Driver Seatbelt Not Used**

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2014	0	4	0	10	3	0	17
2015	0	1	0	8	2	1	12
2016	0	0	0	6	0	0	6
2017	0	0	0	2	1	0	3
2018	0	1	1	6	1	0	9
Average	0	1	0	6	1	0	9

Benzie County (continued)
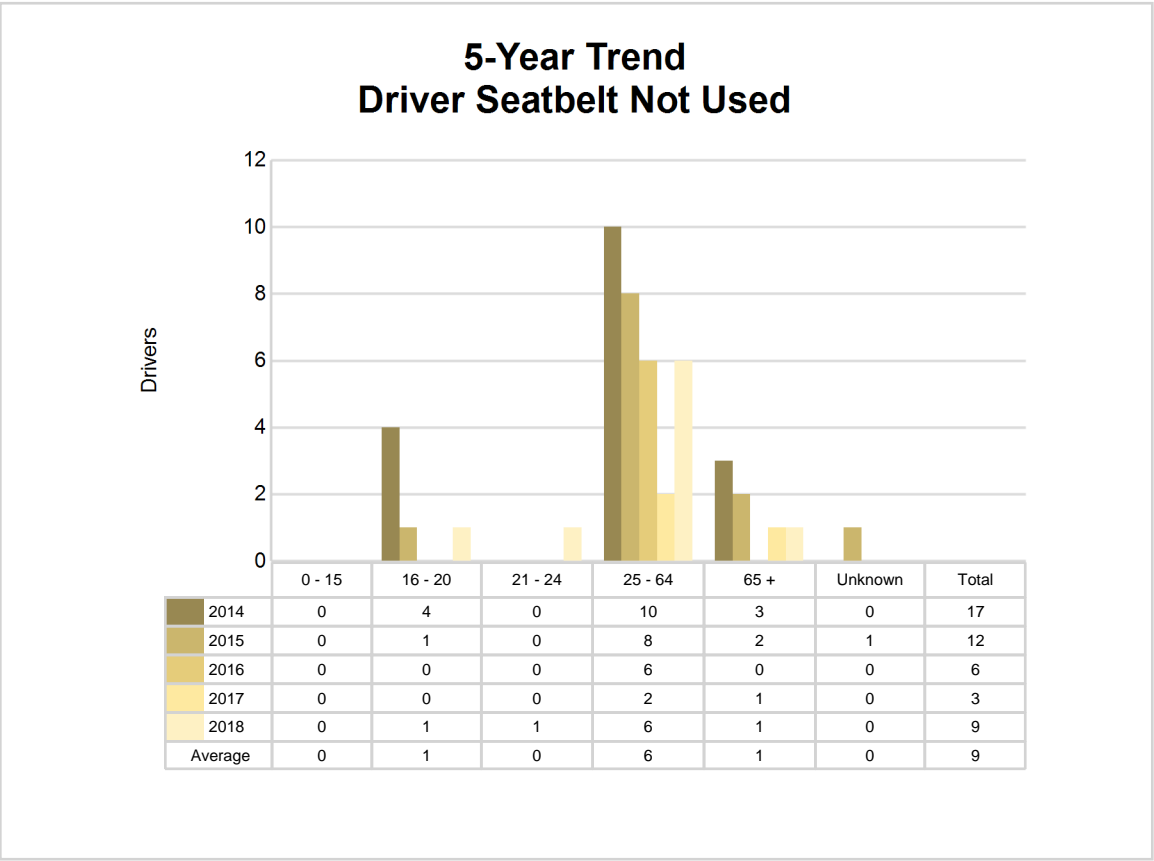
5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2014			2015			2016			2017			2018		
	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	0	0	0	1	0	0	0	0	0	1	0	0
16 - 20	58	0	2	73	1	11	75	0	11	87	0	10	67	0	2
21 - 24	54	0	5	45	0	5	41	0	3	70	0	8	54	0	5
25 - 64	467	2	27	424	2	23	434	1	21	451	0	32	489	0	24
65 +	98	0	4	91	0	4	103	0	4	115	0	9	125	1	11
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**678**	**2**	**38**	**633**	**3**	**43**	**654**	**1**	**39**	**723**	**0**	**59**	**736**	**1**	**42**

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

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2014	1	58	54	467	98	0	678
2015	0	73	45	424	91	0	633
2016	1	75	41	434	103	0	654
2017	0	87	70	451	115	0	723
2018	1	67	54	489	125	0	736
Average	1	72	53	453	106	0	685

Benzie County (continued)
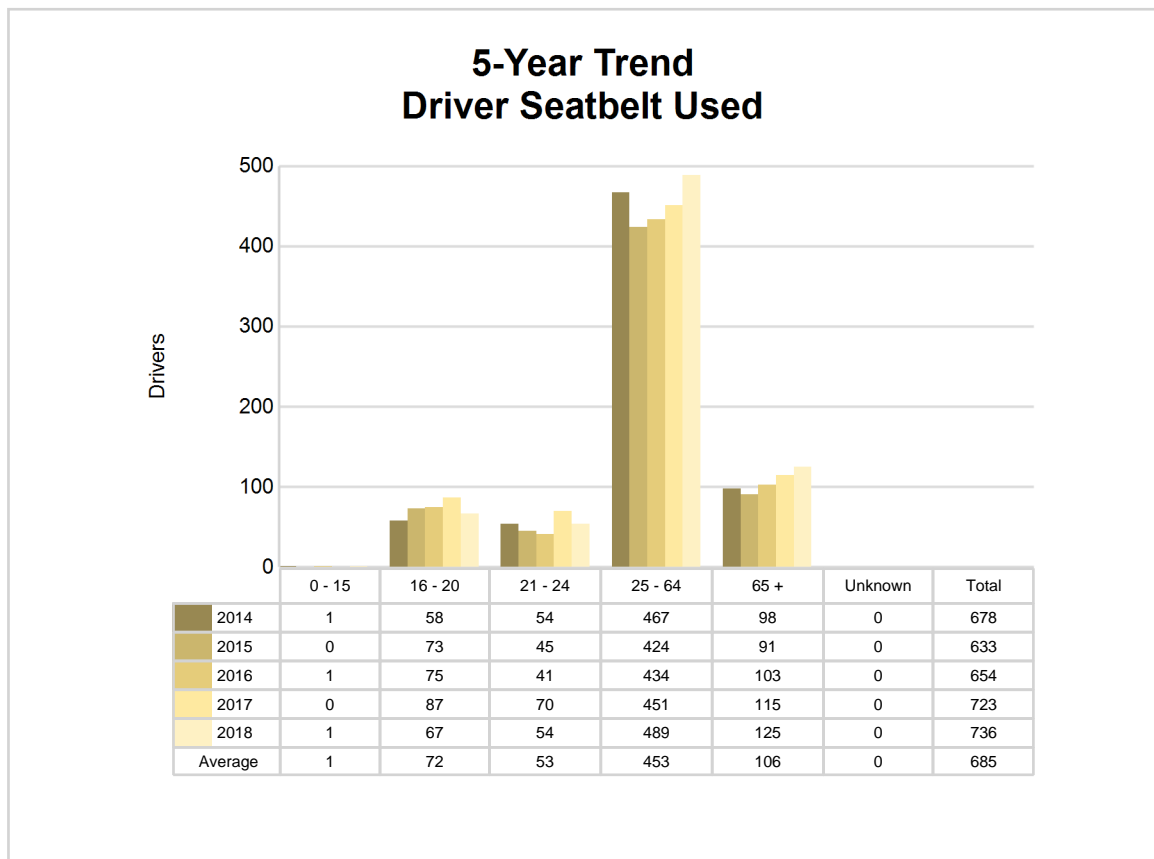
5-Year Trend - Drivers in Crashes by Hazardous Action

Hazardous Action	2014		2015		2016		2017		2018	
	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	3	439	1	465	1	498	0	513	2
Speed too fast	69	1	74	1	69	0	87	0	100	1
Speed too slow	2	0	0	0	3	0	1	0	1	0
Failed to yield	40	0	36	0	38	0	42	0	47	0
Disregard traffic control	7	0	4	0	5	0	8	0	6	1
Drove wrong way	1	0	0	0	0	0	0	0	0	0
Drove left of center	11	2	5	0	4	0	6	0	7	0
Improper passing	1	0	4	0	3	0	6	0	6	0
Improper lane use	6	0	2	0	2	0	4	0	5	0
Improper turn	3	0	3	0	3	0	9	0	7	0
Improper/no signal	2	0	1	0	1	0	0	0	1	0
Improper backing	8	0	12	0	6	0	5	0	8	0
Unable to stop in assured clear distance	37	0	41	1	32	0	35	0	41	0
Other	20	0	27	1	22	0	16	0	17	0
Unknown	11	0	8	0	24	0	33	0	13	1
Reckless driving	3	0	3	0	2	0	2	0	0	0
Careless/negligent driving	18	1	29	1	27	1	31	0	32	0
Uncoded & errors	0	0	0	0	0	0	0	0	0	0
Total	**728**	**7**	**688**	**5**	**706**	**2**	**783**	**0**	**804**	**5**
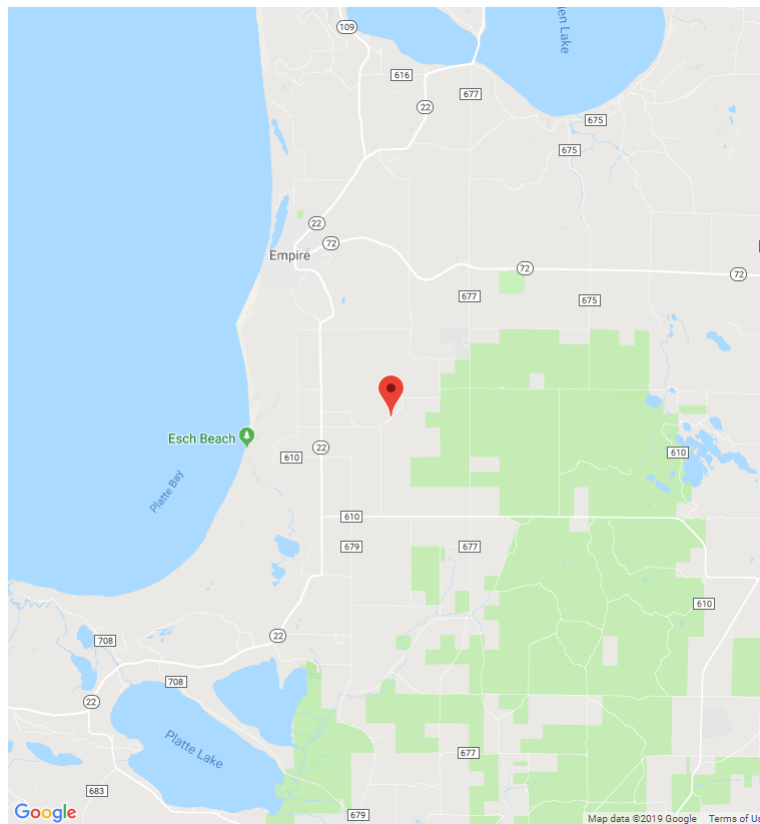
The picture above represents all 2018 alcohol-involved fatal crashes in Benzie County.

In 2018, there were 34 alcohol-involved crashes in Benzie County:

1	K - Fatal Crash
3	A - Suspected Serious Injury Crashes
6	B - Suspected Minor Injury Crashes
1	C - Possible Injury Crash
23	O - Property Damage Only/No Injury Crashes