MICHIGAN

OHSP

Office of Highway Safety Planning

2020

MTCF
Michigan Traffic
Crash Facts

Michigan Traffic Crash Facts

Berrien County

2020 Traffic Crash Data
& 2016-2020 5-Year Trends

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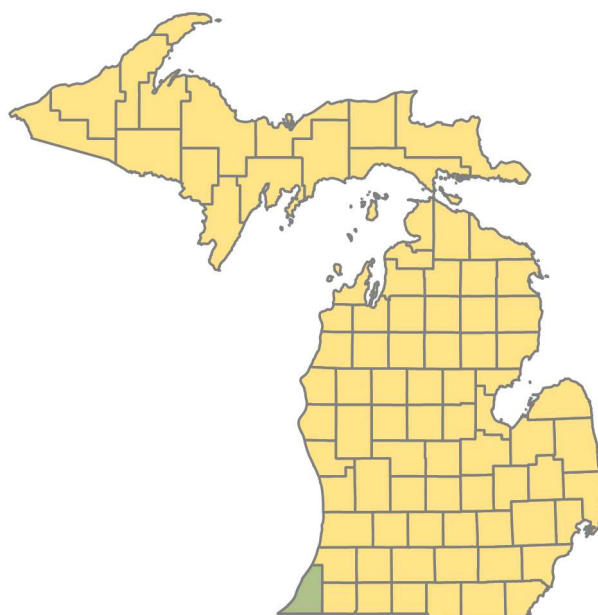
Sources:
The crashes in this report occurred on public roadways in Michigan and resulted in injuries, fatalities, or property damage (with $1,000 as a reporting threshold). The information was gathered from Michigan Traffic Crash Report Forms (UD-10) submitted by local police departments, sheriff's offices,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

This page left intentionally blank

Berrien County

Crashes by most severe injury (mapped/actual)
▲ K - Fatal (12/12)
● A - Suspected Serious (92/92)

Berrien County

In 2020:

There were 5,859 drivers involved in 3,901 motor vehicle crashes in Berrien County. Of those crashes, 12 were classified as fatal, resulting in 12 fatalities. An additional 976 persons were injured.

Berrien County experienced the highest number of motor vehicle crashes (433) in November, the highest number of fatal crashes (5) and the highest number of persons killed (5) in July.

Michigan driver statistics indicate 5.6 percent of licensed drivers in Berrien County were age 16-20, and 9.1 percent of drivers in crashes were also in that age group.

2020 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	385	1	72	312	1	112
February	418	0	61	357	0	82
March	231	0	38	193	0	49
April	136	0	33	103	0	40
May	221	1	57	163	1	78
June	310	0	59	251	0	77
July	324	5	62	257	5	96
August	363	2	80	281	2	116
September	312	0	85	227	0	118
October	418	0	59	359	0	77
November	433	3	52	378	3	77
December	350	0	41	309	0	54
Total	3,901	12	699	3,190	12	976

2020 - Driver Statistics

Age Group	Berrien County			Driver Rates	
	2019 Population*	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	29,340	538	11	3.7	204.5
16 - 20	9,219	6,072	531	576.0	874.5
21 - 24	6,917	5,712	491	709.8	859.6
25 - 64	76,803	68,028	3,684	479.7	541.5
65 +	31,122	28,839	671	215.6	232.7
Unknown	0	0	471	- -	- -
Total	153,401	109,189	5,859	381.9	536.6

*2020 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

2020 - 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	4,660	79.5	17	70.8	931	3,712
Motor home	7	0.1	0	0.0	0	7
Pickup truck	662	11.3	0	0.0	125	537
Small truck under 10,000 lbs. GVWR	25	0.4	0	0.0	6	19
Motorcycle	53	0.9	4	16.7	37	12
Moped / goped	7	0.1	0	0.0	7	0
Go-cart / golf cart	1	0.0	0	0.0	1	0
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	4	0.1	0	0.0	1	3
Other	18	0.3	0	0.0	2	16
Truck/bus over 10,000 lbs.	240	4.1	3	12.5	48	189
Unknown	182	3.1	0	0.0	16	166
Total	5,859	100.0	24	100.0	1,174	4,661

Berrien County (continued)

5-Year Trend - Crashes by Month

Month	2016 Total Crashes	2016 Fatal Crashes	2017 Total Crashes	2017 Fatal Crashes	2018 Total Crashes	2018 Fatal Crashes	2019 Total Crashes	2019 Fatal Crashes	2020 Total Crashes	2020 Fatal Crashes
January	611	1	477	2	585	2	582	3	385	1
February	464	3	246	0	425	0	379	0	418	0
March	282	0	326	1	337	4	330	2	231	0
April	305	1	285	3	324	1	344	2	136	0
May	295	0	328	0	346	0	363	3	221	1
June	352	3	382	0	339	3	360	0	310	0
July	372	0	347	3	359	1	360	1	324	5
August	326	0	326	3	283	1	328	4	363	2
September	308	1	330	3	342	3	307	2	312	0
October	369	1	438	0	379	2	445	4	418	0
November	452	4	420	3	545	1	532	2	433	3
December	462	2	680	0	377	0	368	1	350	0
Total	4,598	16	4,585	18	4,641	18	4,698	24	3,901	12

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	2016 Total Crashes	2016 Fatal Crashes	2017 Total Crashes	2017 Fatal Crashes	2018 Total Crashes	2018 Fatal Crashes	2019 Total Crashes	2019 Fatal Crashes	2020 Total Crashes	2020 Fatal Crashes
Monday	756	3	653	2	695	3	712	3	566	3
Tuesday	672	3	610	2	620	1	772	1	534	1
Wednesday	663	0	663	2	731	1	648	4	602	3
Thursday	602	2	668	3	668	4	593	1	611	1
Friday	700	4	771	2	780	2	743	5	614	0
Saturday	590	2	635	4	612	4	597	4	522	2
Sunday	615	2	585	3	535	3	633	6	452	2
Total	4,598	16	4,585	18	4,641	18	4,698	24	3,901	12

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

2020 Crashes by Month

Berrien County (continued)
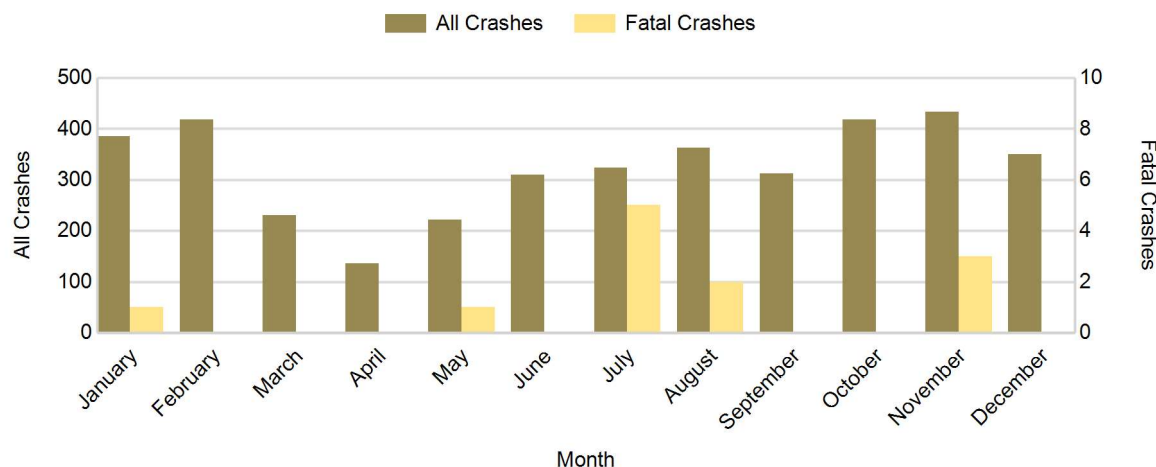
2020 - Crashes by Day of Week

Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Monday	566	14.5	3	25.0	13	46	71	433
Tuesday	534	13.7	1	8.3	10	30	57	436
Wednesday	602	15.4	3	25.0	14	25	56	504
Thursday	611	15.7	1	8.3	12	28	63	507
Friday	614	15.7	0	0.0	14	28	56	516
Saturday	522	13.4	2	16.7	12	31	54	423
Sunday	452	11.6	2	16.7	17	21	41	371
Total	3,901	100.0	12	100.0	92	209	398	3,190

2020 Day of Week and Severity
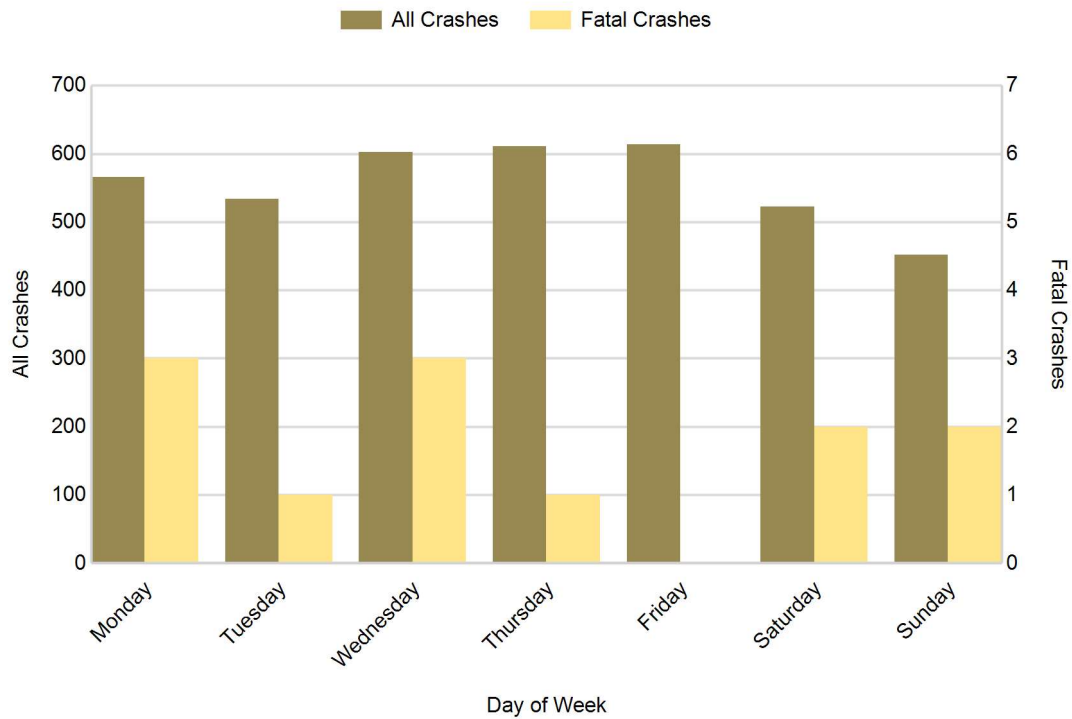
5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2016		2017		2018		2019		2020	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	3,393	12	3,365	11	3,494	11	3,468	14	2,927	8
Weekend	1,205	4	1,220	7	1,147	7	1,230	10	974	4
Total	**4,598**	**16**	**4,585**	**18**	**4,641**	**18**	**4,698**	**24**	**3,901**	**12**

5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)
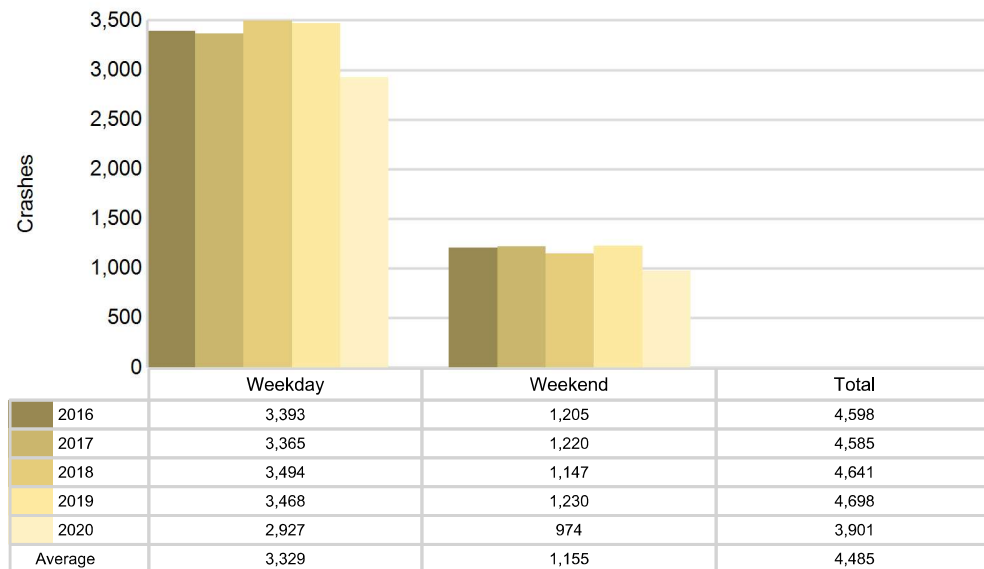
	Weekday	Weekend	Total
2016	3,393	1,205	4,598
2017	3,365	1,220	4,585
2018	3,494	1,147	4,641
2019	3,468	1,230	4,698
2020	2,927	974	3,901
Average	3,329	1,155	4,485

Berrien County (continued)

5-Year Trend - Crashes by Time of Day

Time of Day	2016		2017		2018		2019		2020	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	245	1	258	1	271	1	255	1	193	2
3:00 AM - 5:59 AM	232	1	227	2	248	4	234	3	212	1
6:00 AM - 8:59 AM	714	3	714	3	821	1	746	3	526	0
9:00 AM - 11:59 AM	568	2	571	1	592	3	611	3	434	1
Noon - 2:59 PM	732	2	733	5	671	2	720	6	593	3
3:00 PM - 5:59 PM	999 †	3	965 †	2	902 †	4	978 †	3	811 †	0
6:00 PM - 8:59 PM	646	4	704	3	683	3	735	3	727	2
9:00 PM - 11:59 PM	461	0	412	1	450	0	416	2	401	3
Unknown	1	0	1	0	3	0	3	0	4	0
Total	**4,598**	**16**	**4,585**	**18**	**4,641**	**18**	**4,698**	**24**	**3,901**	**12**

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
2016	245	232	714	568	732	999	646	461	1	4,598
2017	258	227	714	571	733	965	704	412	1	4,585
2018	271	248	821	592	671	902	683	450	3	4,641
2019	255	234	746	611	720	978	735	416	3	4,698
2020	193	212	526	434	593	811	727	401	4	3,901
Average	244	231	704	555	690	931	699	428	2	4,485

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
2016	1	1	3	2	2	3	4	0	0	16
2017	1	2	3	1	5	2	3	1	0	18
2018	1	4	1	3	2	4	3	0	0	18
2019	1	3	3	3	6	3	3	2	0	24
2020	2	1	0	1	3	0	2	3	0	12
Average	1	2	2	2	4	2	3	1	0	18

Berrien County (continued)

2020 - 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	193	4.9	2	16.7	10	14	15	152
3:00 AM	- 5:59 AM	212	5.4	1	8.3	2	10	15	184
6:00 AM	- 8:59 AM	526	13.5	0	0.0	8	22	30	466
9:00 AM	- 11:59 AM	434	11.1	1	8.3	10	22	46	355
Noon	- 2:59 PM	593	15.2	3	25.0	16	34	79	461
3:00 PM	- 5:59 PM	811	20.8	0	0.0	18	39	110	644
6:00 PM	- 8:59 PM	727	18.6	2	16.7	19	44	71	591
9:00 PM	- 11:59 PM	401	10.3	3	25.0	9	24	32	333
Unknown		4	0.1	0	0.0	0	0	0	4
Total		**3,901**	**100.0**	**12**	**100.0**	**92**	**209**	**398**	**3,190**

2020 Time and Severity

Berrien County (continued)
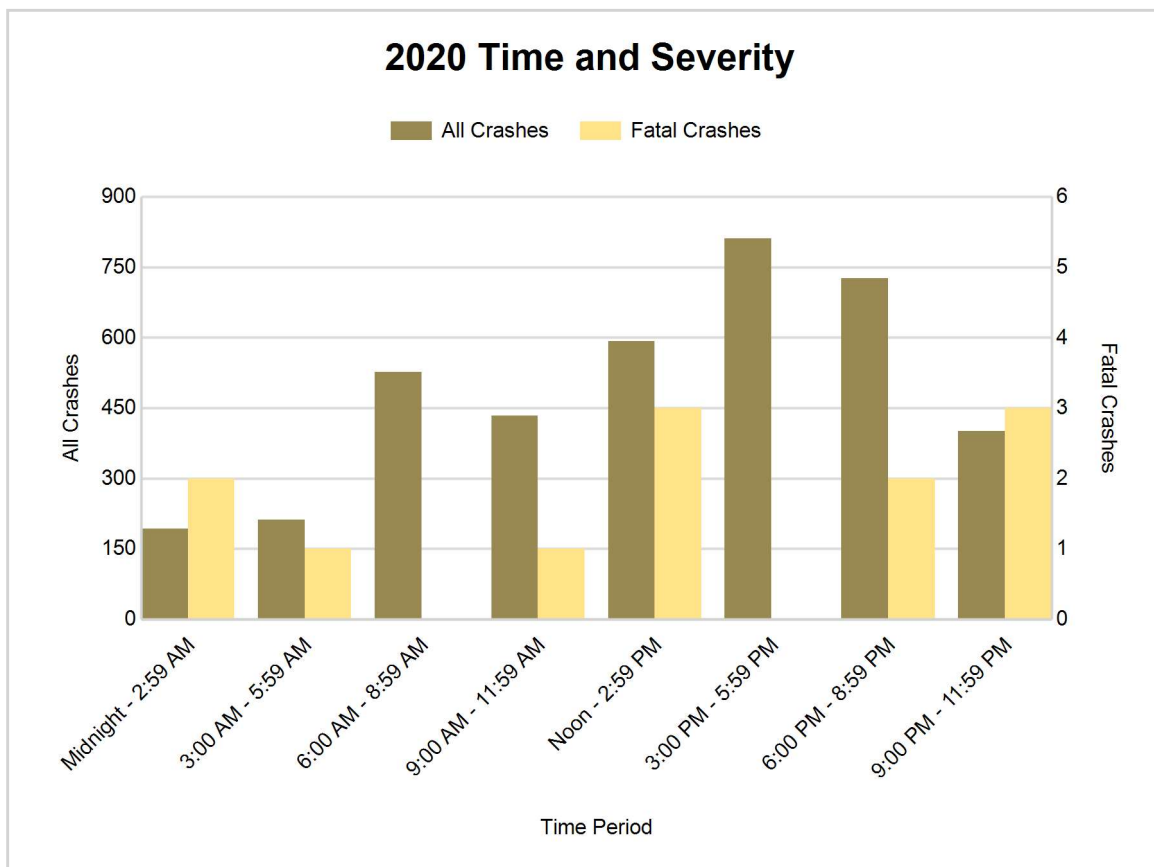
5-Year Trend - Deer-Involved Crashes by Time of Day

Time of Day	2016		2017		2018		2019		2020	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	67	0	89	0	89	0	83	0	60	0
3:00 AM - 5:59 AM	109	0	101	0	118	0	88	0	107	0
6:00 AM - 8:59 AM	196	0	207	0	228	0	252	0	236	0
9:00 AM - 11:59 AM	37	0	31	0	39	0	38	0	53	0
Noon - 2:59 PM	24	0	23	0	27	0	33	0	38	0
3:00 PM - 5:59 PM	39	0	49	0	66	0	67	0	69	0
6:00 PM - 8:59 PM	166	0	199	0	220	0	228	0	238	0
9:00 PM - 11:59 PM	162	0	148	0	151	0	163	0	162	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	**800**	**0**	**847**	**0**	**938**	**0**	**952**	**0**	**963**	**0**

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

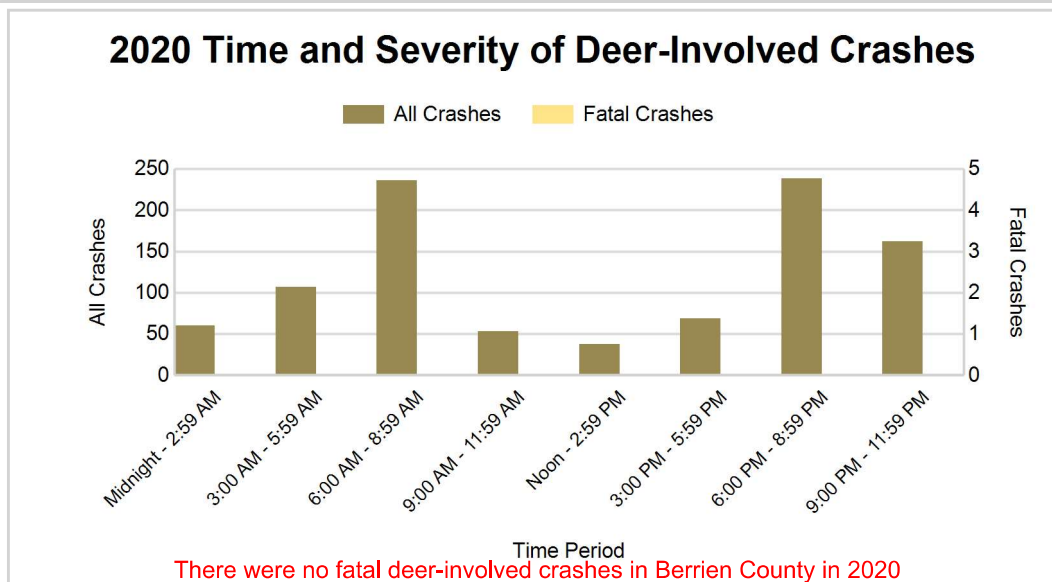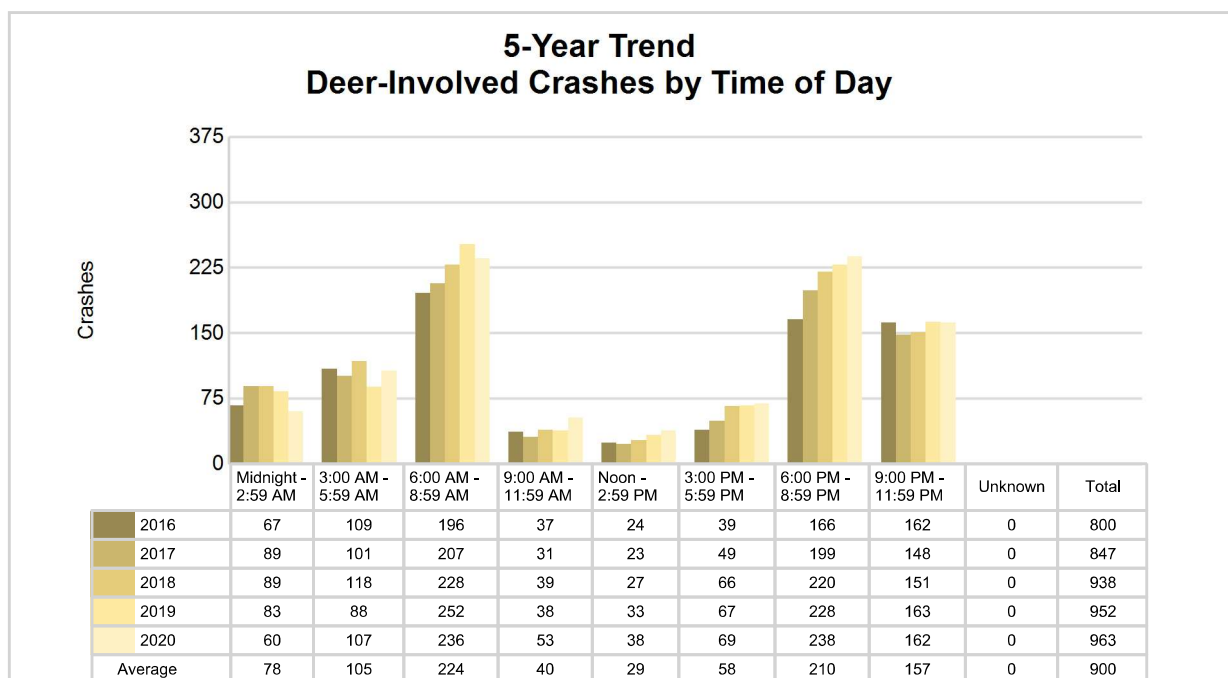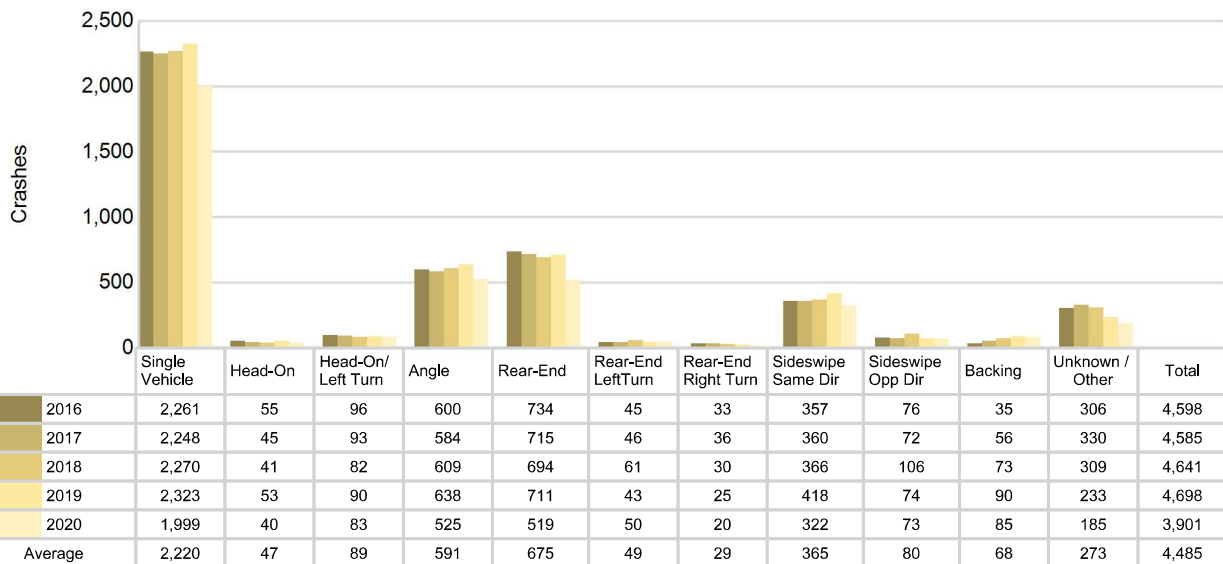There were no fatal deer-involved crashes in Berrien County in 2020

5-Year Trend - Crashes by Crash Type

Crash Type	2016		2017		2018		2019		2020	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Single motor vehicle	2,261	6	2,248	10	2,270	6	2,323	12	1,999	1
Head-on	55	3	45	0	41	1	53	0	40	3
Head-on / left turn	96	0	93	1	82	1	90	0	83	2
Angle	600	5	584	2	609	4	638	4	525	3
Rear-end	734	1	715	2	694	3	711	3	519	2
Rear-end left turn	45	0	46	0	61	1	43	0	50	0
Rear-end right turn	33	0	36	0	30	0	25	0	20	0
Sideswipe same direction	357	0	360	0	366	0	418	1	322	0
Sideswipe opposite direction	76	0	72	0	106	0	74	0	73	0
Backing	35	0	56	0	73	0	90	0	85	0
Other / Unknown	306	1	330	3	309	2	233	4	185	1
Uncoded and Errors	0	0	0	0	0	0	0	0	0	0
Total	**4,598**	**16**	**4,585**	**18**	**4,641**	**18**	**4,698**	**24**	**3,901**	**12**

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
2016	2,261	55	96	600	734	45	33	357	76	35	306	4,598
2017	2,248	45	93	584	715	46	36	360	72	56	330	4,585
2018	2,270	41	82	609	694	61	30	366	106	73	309	4,641
2019	2,323	53	90	638	711	43	25	418	74	90	233	4,698
2020	1,999	40	83	525	519	50	20	322	73	85	185	3,901
Average	2,220	47	89	591	675	49	29	365	80	68	273	4,485

2020 - 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
Bainbridge Twp.	66	0	9	57	2	0	20	44	1	1	30	0	11
Baroda	4	0	0	4	0	0	0	4	0	0	1	0	0
Baroda Twp.	42	0	3	39	0	0	0	42	6	0	22	0	4
Benton Harbor	208	1	43	164	26	0	18	164	8	1	2	1	54
Benton Twp.	589	2	132	455	144	40	122	283	26	11	83	2	196
Berrien Springs	19	0	5	14	0	0	11	8	0	0	0	0	6
Berrien Twp.	104	0	16	88	0	10	40	54	5	1	51	0	23
Bertrand Twp.	162	0	27	135	0	87	6	69	4	2	67	0	44
Bridgman	49	0	5	44	35	0	0	14	0	0	6	0	6
Buchanan	47	0	8	39	0	0	0	47	4	0	3	0	11
Buchanan Twp.	68	0	13	55	0	0	0	68	7	0	36	0	13
Chikaming Twp.	128	0	15	113	56	0	0	72	9	5	40	0	21
Coloma	37	0	7	30	0	0	0	37	1	0	0	0	9
Coloma Twp.	96	0	11	85	27	0	0	69	5	0	35	0	15
Eau Claire	7	0	2	5	0	0	0	7	0	1	0	0	3
Galien	3	0	1	2	0	2	0	1	0	0	0	0	2
Galien Twp.	24	0	6	18	0	14	0	10	5	2	10	0	7
Grand Beach	9	0	0	9	0	7	0	2	0	0	2	0	0
Hagar Twp.	119	1	22	96	42	0	23	54	16	4	41	1	33
Lake Twp.	110	2	5	103	50	0	0	59	1	1	31	2	9
Lincoln Twp.	239	1	56	182	97	0	0	141	7	1	41	1	73
Michiana	2	0	0	2	0	0	0	2	0	0	0	0	0
New Buffalo	32	0	7	25	0	15	0	17	5	1	1	0	10
New Buffalo Twp.	142	1	21	120	65	29	5	42	6	3	39	1	26
Niles	236	0	54	182	0	0	109	127	6	3	8	0	69
Niles Twp.	344	2	67	275	0	76	139	129	17	6	94	2	107
Oronoko Twp.	149	0	19	130	0	26	34	89	2	3	70	0	26
Pipestone Twp.	66	0	9	57	0	0	24	42	2	2	39	0	12
Royalton Twp.	144	0	28	116	13	0	76	55	5	3	44	0	38
St. Joseph	139	0	18	121	32	0	51	56	2	2	3	0	23
St. Joseph Twp.	152	0	26	126	34	0	42	76	4	2	29	0	34
Shoreham	11	0	2	9	9	0	0	2	0	0	4	0	3
Sodus Twp.	117	0	18	99	8	31	10	67	4	3	54	0	27
Stevensville	25	0	9	16	12	0	0	13	2	0	1	0	15
Three Oaks	3	0	1	2	0	2	0	1	0	0	0	0	1
Three Oaks Twp.	17	0	5	12	0	4	0	13	0	0	5	0	7
Watervliet	30	0	3	27	0	0	16	14	3	0	2	0	4
Watervliet Twp.	85	1	14	70	25	0	23	37	3	1	35	1	20
Weesaw Twp.	77	1	12	64	0	0	0	77	7	3	34	1	14
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**3,901**	**12**	**699**	**3,190**	**677**	**343**	**769**	**2,108**	**173**	**62**	**963**	**12**	**976**

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

Driver Age	2016		2017		2018		2019		2020	
	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	12	0	13	0	7	0	12	0	11	0
16 - 20	695	9	698	5	721	3	681	8	531	5
21 - 24	564	30	599	30	593	27	565	21	491	20
25 - 64	4,473	134	4,339	123	4,404	134	4,487	136	3,684	141
65 +	807	8	920	9	915	7	943	6	671	6
Unknown	466	0	441	0	431	0	478	0	471	0
Total	**7,017**	**181**	**7,010**	**167**	**7,071**	**171**	**7,166**	**171**	**5,859**	**172**

5-Year Trend
Total Drivers in Crashes by Age

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2016	12	695	564	4,473	807	466	7,017
2017	13	698	599	4,339	920	441	7,010
2018	7	721	593	4,404	915	431	7,071
2019	12	681	565	4,487	943	478	7,166
2020	11	531	491	3,684	671	471	5,859
Average	11	665	562	4,277	851	457	6,825

5-Year Trend
Total Drivers Coded Drinking by Age

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2016	0	9	30	134	8	0	181
2017	0	5	30	123	9	0	167
2018	0	3	27	134	7	0	171
2019	0	8	21	136	6	0	171
2020	0	5	20	141	6	0	172
Average	0	6	26	134	7	0	172

Berrien County (continued)
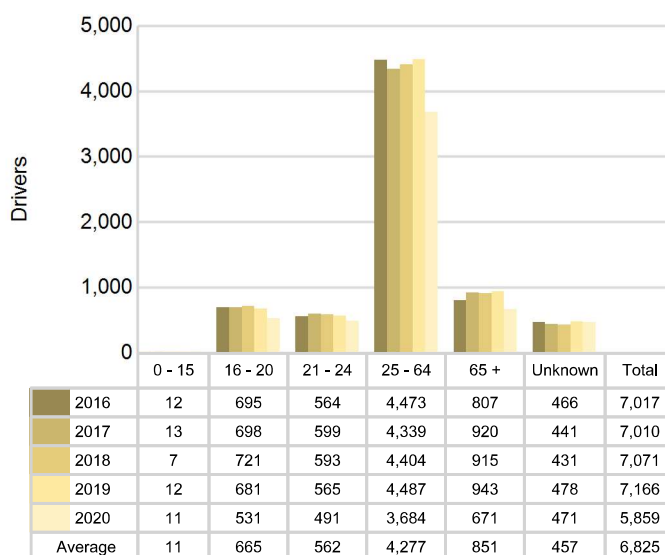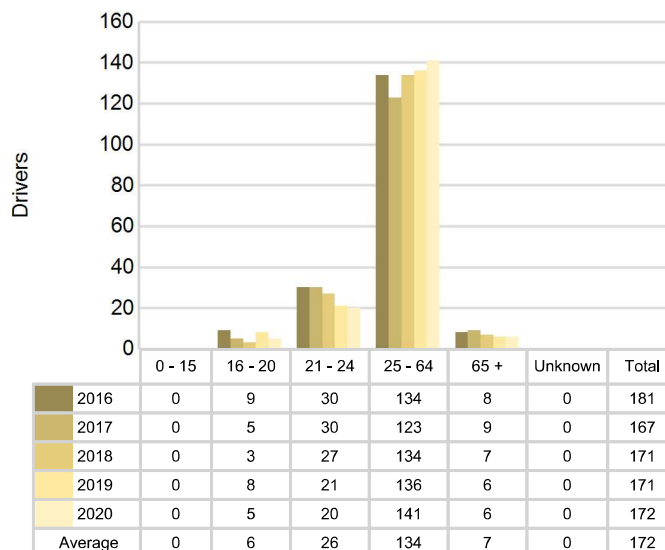
**2020 - Bodily Alcohol Concentration (BAC) Results Among
All Vehicle Drivers in Alcohol-Involved Crashes by Age**

| 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	13	10	5	5	0	2	1	2	0
21 - 24	23	28	18	20	0	1	9	7	3
25 - 64	191	145	111	141	0	11	34	50	46
65 +	12	12	6	6	0	0	2	3	1
Unknown	12	0	0	0	0	0	0	0	0
Total	**251**	**195**	**140**	**172**	**0**	**14**	**46**	**62**	**50**

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 2020, there were 251 drivers in alcohol-involved crashes; 172 (68.5%) of those drivers were coded as had-been-drinking by the officer on the crash form.
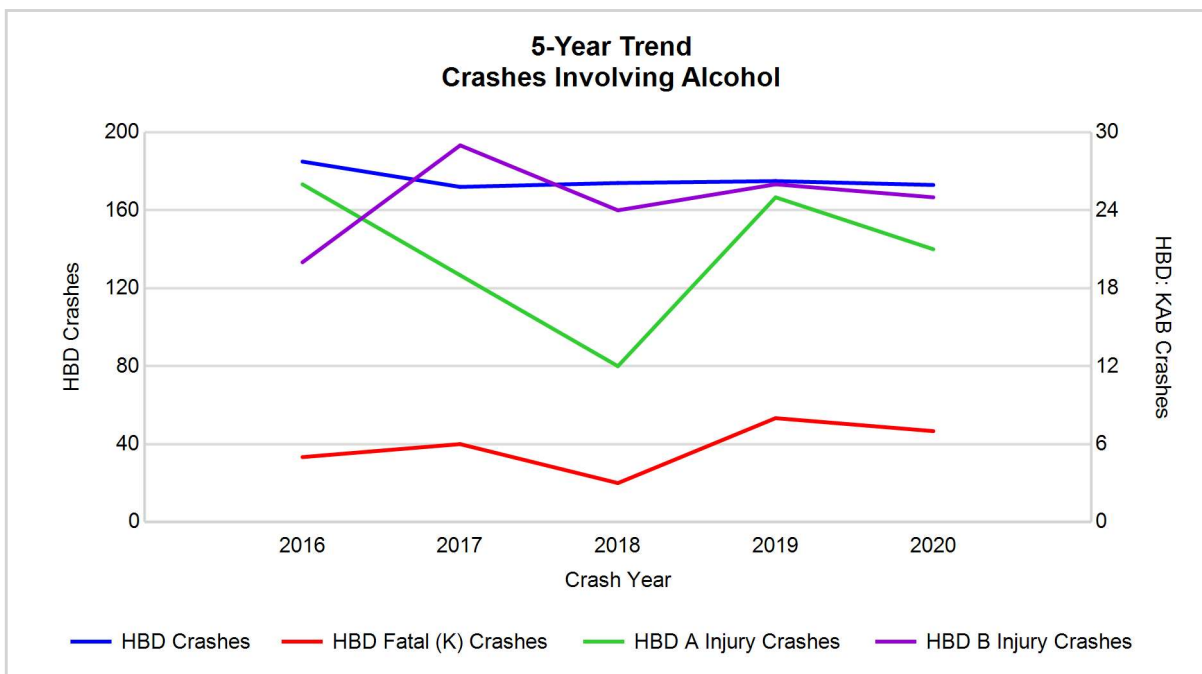
- 108 (62.8%) of the 172 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 62 (57.4%) of the 108 drivers had a BAC at or above 0.17 g/dL.

- 140 (81.4%) of the 172 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
2016	4,598	185	4.0	16	5	31.3	89	26	29.2	203	20	9.9
2017	4,585	172	3.8	18	6	33.3	105	19	18.1	228	29	12.7
2018	4,641	174	3.7	18	3	16.7	82	12	14.6	200	24	12.0
2019	4,698	175	3.7	24	8	33.3	84	25	29.8	232	26	11.2
2020	3,901	173	4.4	12	7	58.3	92	21	22.8	209	25	12.0

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

Note: Had-Been-Drinking (HBD)

Berrien 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
2016	4,598	37	0.8	16	1	6.3	89	4	4.5	203	3	1.5
2017	4,585	45	1.0	18	4	22.2	105	9	8.6	228	11	4.8
2018	4,641	34	0.7	18	5	27.8	82	2	2.4	200	5	2.5
2019	4,698	46	1.0	24	5	20.8	84	8	9.5	232	5	2.2
2020	3,901	62	1.6	12	3	25.0	92	4	4.3	209	8	3.8

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
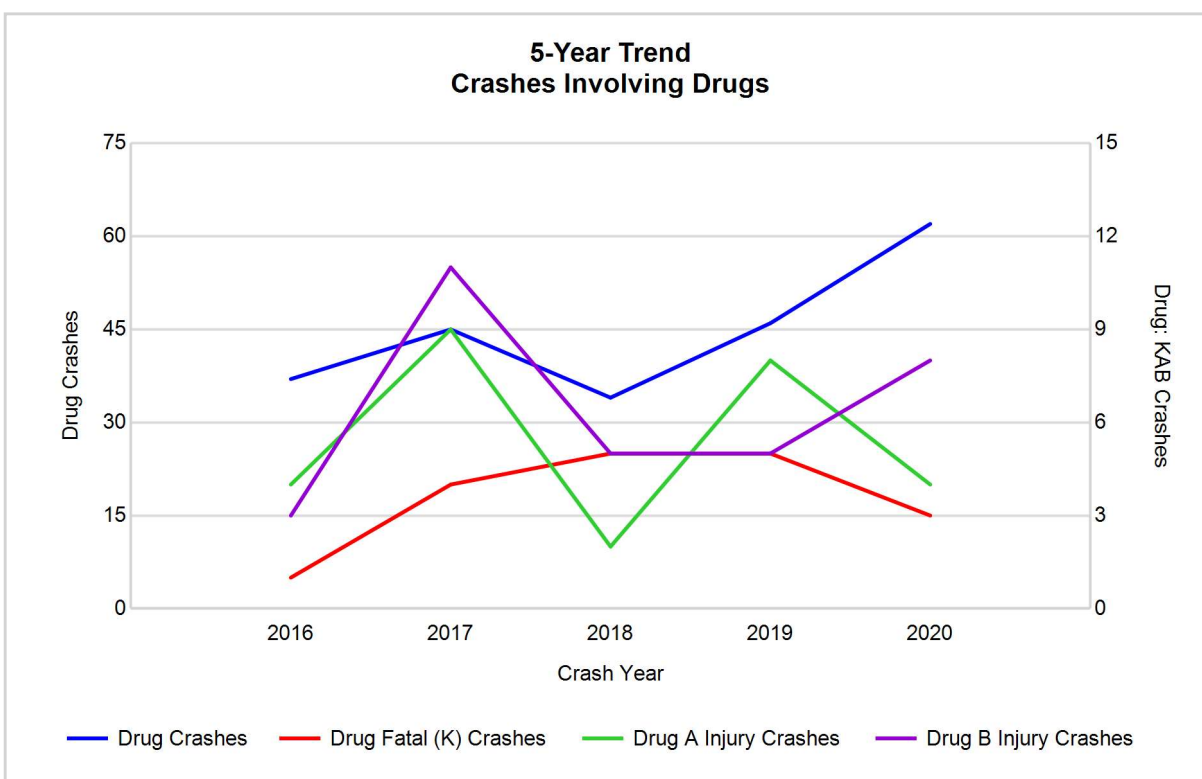
Berrien County (continued)

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
2016	4,598	206	4.5	16	6	37.5	89	28	31.5	203	22	10.8
2017	4,585	195	4.3	18	9	50.0	105	23	21.9	228	33	14.5
2018	4,641	190	4.1	18	5	27.8	82	14	17.1	200	26	13.0
2019	4,698	202	4.3	24	9	37.5	84	32	38.1	232	29	12.5
2020	3,901	213	5.5	12	7	58.3	92	25	27.2	209	32	15.3

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
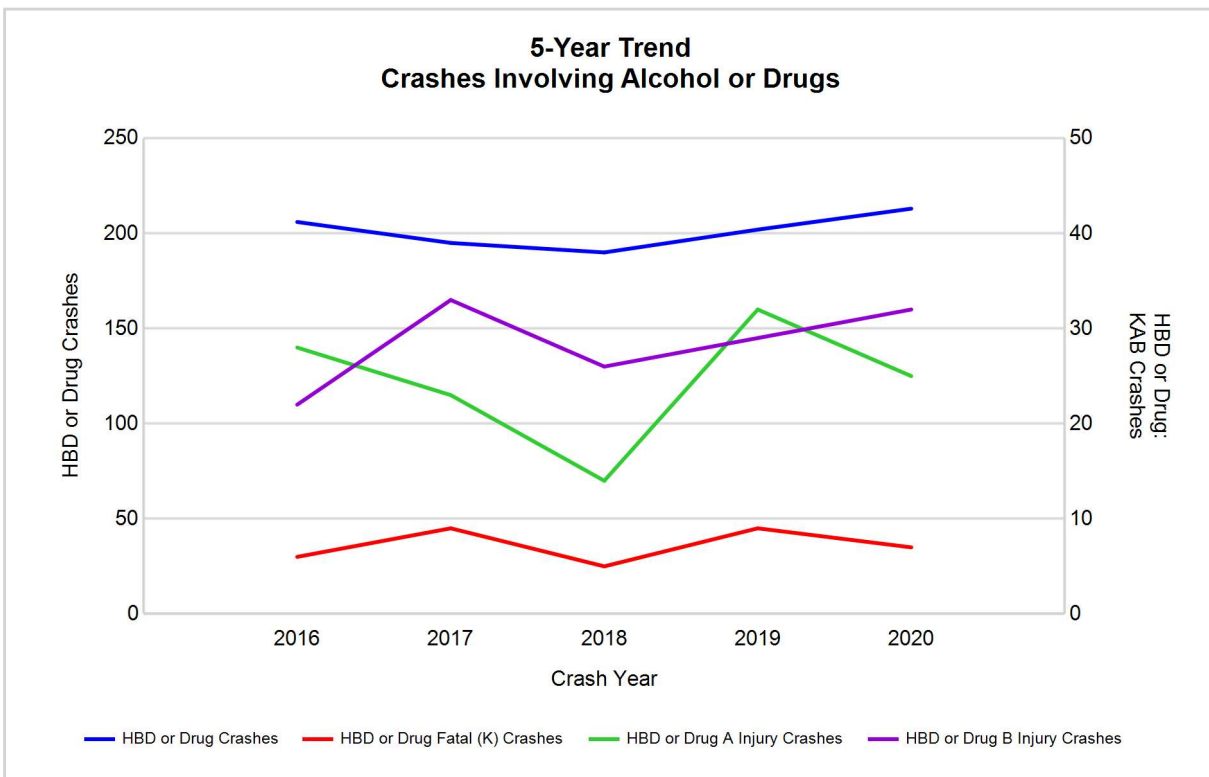

Note: Had-Been-Drinking (HBD)

2020 - 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	4,873	4,198	86.1	7	3	42.9	72	52	72.2	190	170	89.5	525	477	90.9	3,804	3,496	91.9
Motor home	7	5	71.4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	5	83.3
Pickup truck	682	591	86.7	0	0	0.0	4	3	75.0	31	24	77.4	53	50	94.3	550	514	93.5
Small truck under 10,000 lbs. GVWR	25	20	80.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	21	18	85.7
Motorcycle	56	28	50.0	4	1	25.0	18	5	27.8	14	11	78.6	7	6	85.7	11	5	45.5
Moped / goped	7	0	0.0	0	0	0.0	1	0	0.0	4	0	0.0	2	0	0.0	0	0	0.0
Go-cart / golf cart	1	0	0.0	0	0	0.0	1	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	4	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	3	0	0.0
Other	18	12	66.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	18	12	66.7
Truck/bus over 10,000 lbs.	242	204	84.3	0	0	0.0	3	3	100.0	5	5	100.0	13	12	92.3	209	184	88.0
Unknown	182	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	6,097	5,058	83.0	11	4	0.0	99	63	63.6	245	211	86.1	602	546	90.7	4,622	4,234	91.6

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.

2020 - 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	64	57	89.1	0	0	0.0	1	1	100.0	16	14	87.5	39	36	92.3	8	6	75.0
16 - 20	562	510	90.7	0	0	0.0	2	0	0.0	36	30	83.3	69	61	88.4	452	419	92.7
21 - 24	513	464	90.4	1	0	0.0	9	5	55.6	18	15	83.3	55	51	92.7	430	393	91.4
25 - 64	3,801	3,395	89.3	10	4	40.0	76	49	64.5	146	126	86.3	357	325	91.0	3,172	2,891	91.1
65 +	686	631	92.0	0	0	0.0	9	7	77.8	29	26	89.7	80	73	91.3	560	525	93.8
Unknown	471	1	0.2	0	0	0.0	2	1	50.0	0	0	0.0	2	0	0.0	0	0	0.0
Total	6,097	5,058	83.0	11	4	0.0	99	63	63.6	245	211	86.1	602	546	90.7	4,622	4,234	91.6

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.

Berrien County (continued)

5-Year Trend - Restraint Use Among Drivers

Restraint Use	2016			2017			2018			2019			2020		
	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	25	0	5	10	0	1	14	0	4	18	0	2	22	0	3
Shoulder belt only used	51	0	9	51	1	11	55	0	5	46	0	5	62	0	11
Lap belt only used	23	0	5	14	0	0	14	0	1	20	0	4	10	0	1
Both lap & shoulder belts used	6,011	8	716	5,963	5	677	5,971	5	636	6,007	5	632	4,750	2	581
No belts used	55	0	22	64	3	27	55	4	24	47	5	20	43	1	20
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	2	0	0	7	0	0	0	0	0	1	0	0	2	0	0
Restraint use unknown	623	2	33	823	1	57	907	2	49	964	3	74	910	3	50
Helmet worn	35	0	31	39	0	28	26	1	17	32	1	25	26	1	20
Helmet not worn	27	0	22	31	1	20	24	0	18	27	1	18	30	3	22
Helmet use unknown	4	0	2	5	0	4	2	0	1	4	0	2	4	0	1
Uncoded & errors	161	0	1	3	0	0	3	0	0	0	0	0	0	0	0
Total	7,017	10	846	7,010	11	825	7,071	12	755	7,166	15	782	5,859	10	709

5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2016			2017			2018			2019			2020		
	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	1	0	1	1	0	0	1	0	1
Shoulder belt only used	3	0	1	2	1	1	1	0	1	0	0	0	2	0	1
Lap belt only used	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Both lap & shoulder belts used	127	2	47	117	1	40	128	0	30	118	1	33	112	0	44
No belts used	14	0	10	13	2	7	5	0	3	13	2	9	9	0	5
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	28	0	3	27	0	12	32	1	11	32	1	11	43	1	13
Helmet worn	0	0	0	2	0	2	0	0	0	2	0	2	2	0	2
Helmet not worn	9	0	8	5	1	4	4	0	4	4	0	4	2	0	1
Helmet use unknown	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0
Uncoded & errors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	181	2	69	167	5	67	171	1	50	171	4	60	172	1	68

Berrien County (continued)

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

Age Group	2016			2017			2018			2019			2020		
	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	1	0	0	1	0	1	1	0	0	0	0	0
16 - 20	9	0	4	3	0	0	9	1	3	9	0	3	5	0	1
21 - 24	3	0	1	11	1	5	7	0	3	8	0	4	3	0	2
25 - 64	60	0	20	55	2	21	45	2	17	40	4	15	49	1	16
65 +	8	0	2	4	0	2	7	1	4	7	1	0	7	0	3
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Total	**80**	**0**	**27**	**74**	**3**	**28**	**69**	**4**	**28**	**65**	**5**	**22**	**65**	**1**	**23**

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
2016	0	9	3	60	8	0	80
2017	1	3	11	55	4	0	74
2018	1	9	7	45	7	0	69
2019	1	9	8	40	7	0	65
2020	0	5	3	49	7	1	65
Average	1	7	6	50	7	0	71

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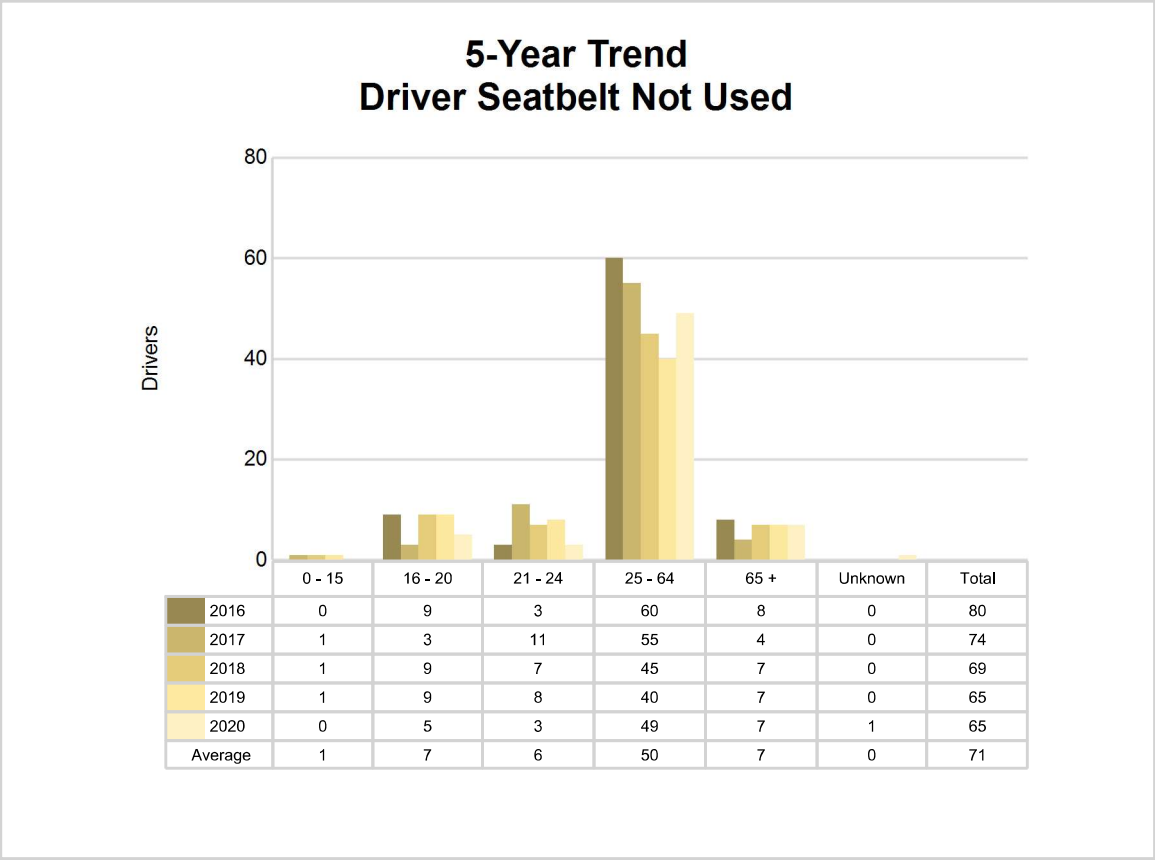
5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2016			2017			2018			2019			2020		
	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	9	0	2	10	0	2	5	0	0	10	0	3	8	0	2
16 - 20	649	1	84	652	0	78	640	0	73	619	0	64	485	0	66
21 - 24	517	0	63	547	0	72	524	1	66	504	1	69	443	0	51
25 - 64	4,143	4	485	3,970	5	434	4,009	3	409	4,082	3	407	3,271	2	382
65 +	767	3	96	856	1	102	862	1	94	859	1	98	616	0	91
Unknown	2	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Total	6,087	8	730	6,035	6	688	6,040	5	642	6,074	5	641	4,824	2	593

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
2016	9	649	517	4,143	767	2	6,087
2017	10	652	547	3,970	856	0	6,035
2018	5	640	524	4,009	862	0	6,040
2019	10	619	504	4,082	859	0	6,074
2020	8	485	443	3,271	616	1	4,824
Average	8	609	507	3,895	792	1	5,812

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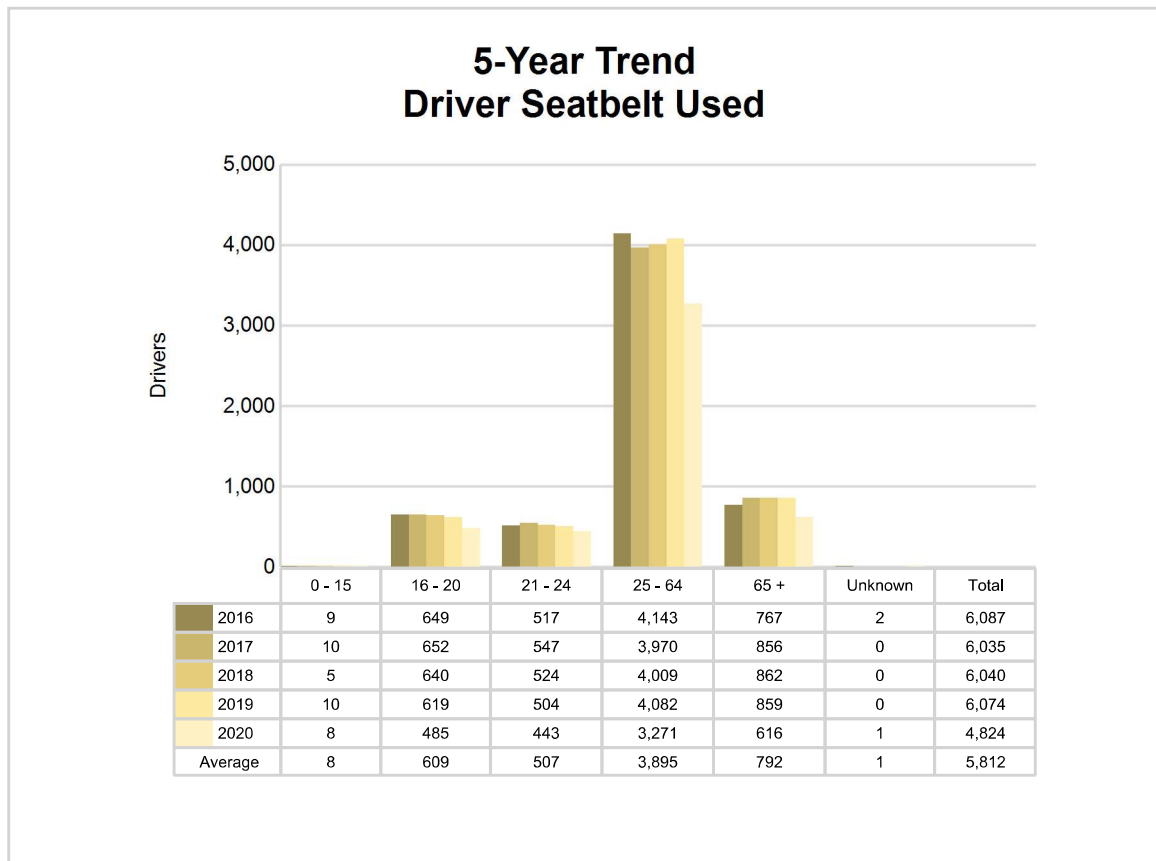
5-Year Trend - Drivers in Crashes by Hazardous Action

Hazardous Action	2016		2017		2018		2019		2020	
	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	3,531	12	3,534	8	3,646	16	3,651	21	3,093	9
Speed too fast	849	2	790	1	747	2	809	2	492	0
Speed too slow	9	0	9	1	7	0	10	1	4	0
Failed to yield	649	3	703	3	676	4	684	5	533	2
Disregard traffic control	108	1	90	0	116	1	82	0	113	0
Drove wrong way	5	0	2	0	2	0	5	0	3	1
Drove left of center	44	2	35	0	51	1	52	1	35	0
Improper passing	33	0	25	0	29	0	48	0	41	0
Improper lane use	96	0	83	0	79	0	104	0	81	0
Improper turn	47	0	53	0	53	0	52	0	64	1
Improper/no signal	13	0	6	0	11	0	7	0	3	0
Improper backing	114	0	105	1	95	0	97	0	82	0
Unable to stop in assured clear distance	667	1	674	0	655	3	667	1	511	0
Other	287	2	263	3	266	0	273	2	203	2
Unknown	268	1	370	3	340	3	378	9	367	6
Reckless driving	39	1	49	1	44	2	41	0	52	0
Careless/negligent driving	257	2	218	4	253	1	206	2	182	3
Uncoded & errors	1	0	1	0	1	0	0	0	0	0
Total	**7,017**	**27**	**7,010**	**25**	**7,071**	**33**	**7,166**	**44**	**5,859**	**24**
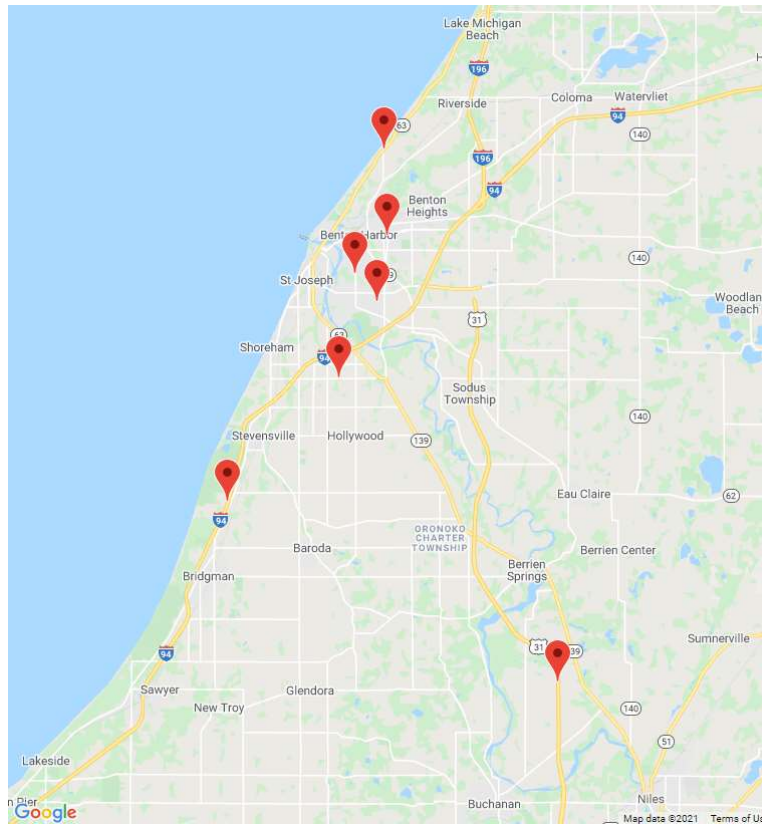
The picture above represents all 2020 alcohol-involved fatal crashes in Berrien County.

In 2020, there were 173 alcohol-involved crashes in Berrien County:

7   K - Fatal Crashes

21   A - Suspected Serious Injury Crashes

25   B - Suspected Minor Injury Crashes

23   C - Possible Injury Crashes

97   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) 284-3332
Fax: (517) 284-3338

Find us on the web:
MichiganTrafficCrashFacts.org

MICHIGAN
OHSP
Office of Highway Safety Planning