



2021

Michigan Traffic Crash Facts

MTCF
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

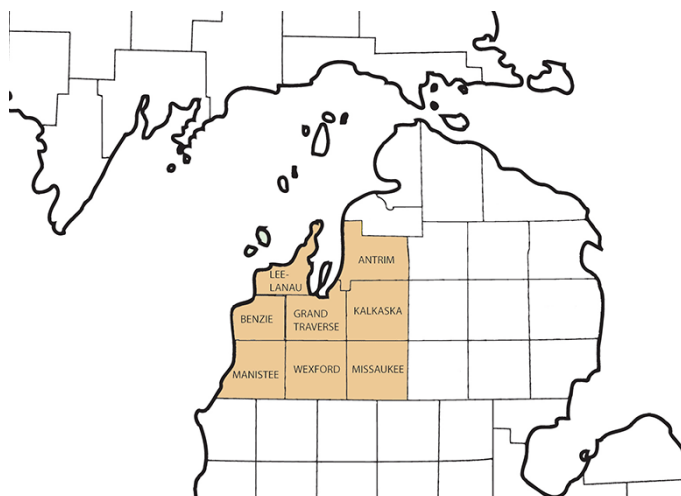
Property Damage Only (PDO)



Traffic Safety Network Traverse Bay Area

2021 Traffic Crash Data & 2017-2021 5-Year Trends

Traffic Safety Network Traverse Bay Area is comprised of Antrim, Benzie, Grand Traverse, Kalkaska, Leelanau, Manistee, Missaukee and Wexford counties. Trend tables for this report are based on those counties.



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.

2021 - Crashes and Injury by Month

Month	Crashes				People	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	641	1	65	575	1	76
February	619	0	68	551	0	92
March	489	4	63	422	5	90
April	455	2	61	392	2	86
May	553	0	85	468	0	114
June	739	3	114	622	3	175
July	762	3	138	621	3	201
August	692	6	104	582	6	137
September	767	4	119	644	4	161
October	937	4	111	822	4	143
November	1,153	1	134	1,018	1	171
December	902	3	108	791	3	142
Total	8,709	31	1,170	7,508	32	1,588

2021 - Driver Statistics

Age Group	TSN Traverse Bay Area			Driver Rates	
	2019 Population*	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	42,600	1,099	26	6.1	236.6
16 - 20	12,953	10,693	1,341	1,035.3	1,254.1
21 - 24	10,139	9,721	962	948.8	989.6
25 - 64	124,084	118,792	7,622	614.3	641.6
65 +	57,508	60,616	1,892	329.0	312.1
Unknown	0	0	530	--	--
Total	247,284	200,921	12,373	500.4	615.8

*2021 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau.

2021 - 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	9,133	73.8	24	54.5	1,372	7,737
Motor Home	24	0.2	0	0.0	6	18
Pickup Truck	2,443	19.7	5	11.4	359	2,079
Small Truck Under 10,000 lbs. GVWR	52	0.4	1	2.3	7	44
Motorcycle	95	0.8	8	18.2	69	18
Moped/Goped	9	0.1	0	0.0	6	3
Go-Cart/Golf Cart	1	0.0	0	0.0	0	1
Snowmobile	19	0.2	1	2.3	11	7
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	39	0.3	0	0.0	27	12
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	49	0.4	0	0.0	6	43
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	329	2.7	5	11.4	38	286
Uncoded & Errors	180	1.5	0	0.0	6	174
Total	12,373	100.0	44	100.0	1,907	10,422

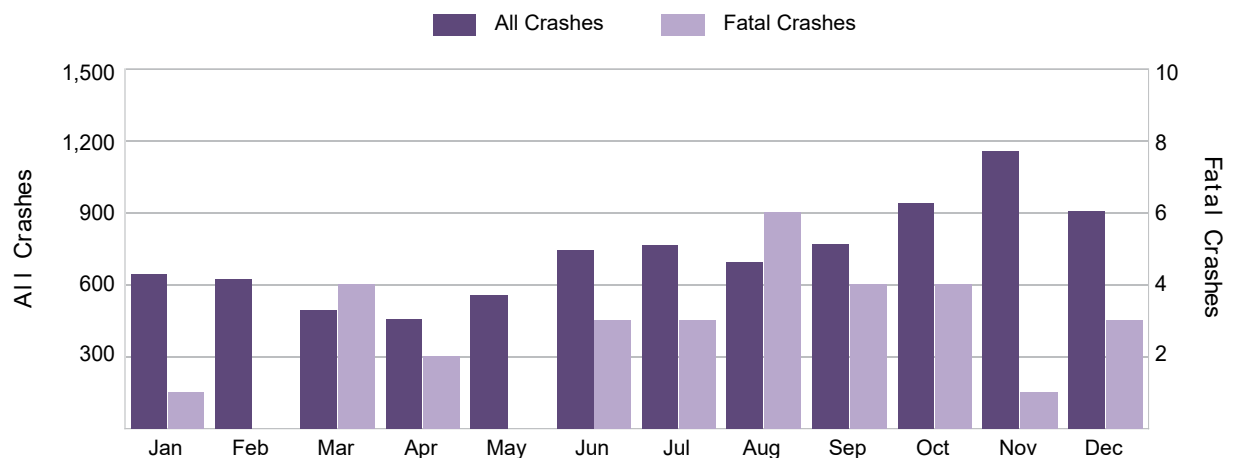
5-Year Trend - Crashes by Month

Month	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	918	1	905	0	976	3	780	0	641	1
February	665	0	697	0	689	1	762	1	619	0
March	615	2	735	3	631	0	437	2	489	4
April	420	0	656	3	527	1	247	1	455	2
May	631	0	608	4	608	2	415	2	553	0
June	717	2	749	4	734	5	687	5	739	3
July	719	4	735	1	758	3	651	4	762	3
August	765	3	679	0	720	2	608	3	692	6
September	770	5	646	4	646	2	622	1	767	4
October	950	1	881	4	941	2	927	4	937	4
November	1,098	1	1,198	4	1,189	4	947	3	1,153	1
December	1,177	4	1,019	2	1,038	3	670	1	902	3
Total	9,445	23	9,508	29	9,457	28	7,753	27	8,709	31

5-Year Trend - Crashes by Day of Week

Day	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	1,266	1	1,323	5	1,359	3	1,122	4	1,263	4
Tuesday	1,329	4	1,533	7	1,403	5	1,163	3	1,293	6
Wednesday	1,461	3	1,369	1	1,559	2	1,112	4	1,268	4
Thursday	1,524	2	1,472	1	1,424	3	1,244	1	1,303	4
Friday	1,548	3	1,564	5	1,570	4	1,201	6	1,440	5
Saturday	1,266	6	1,240	6	1,175	7	1,035	7	1,214	5
Sunday	1,051	4	1,007	4	967	4	876	2	928	3
Total	9,445	23	9,508	29	9,457	28	7,753	27	8,709	31

2021 Crashes by Month

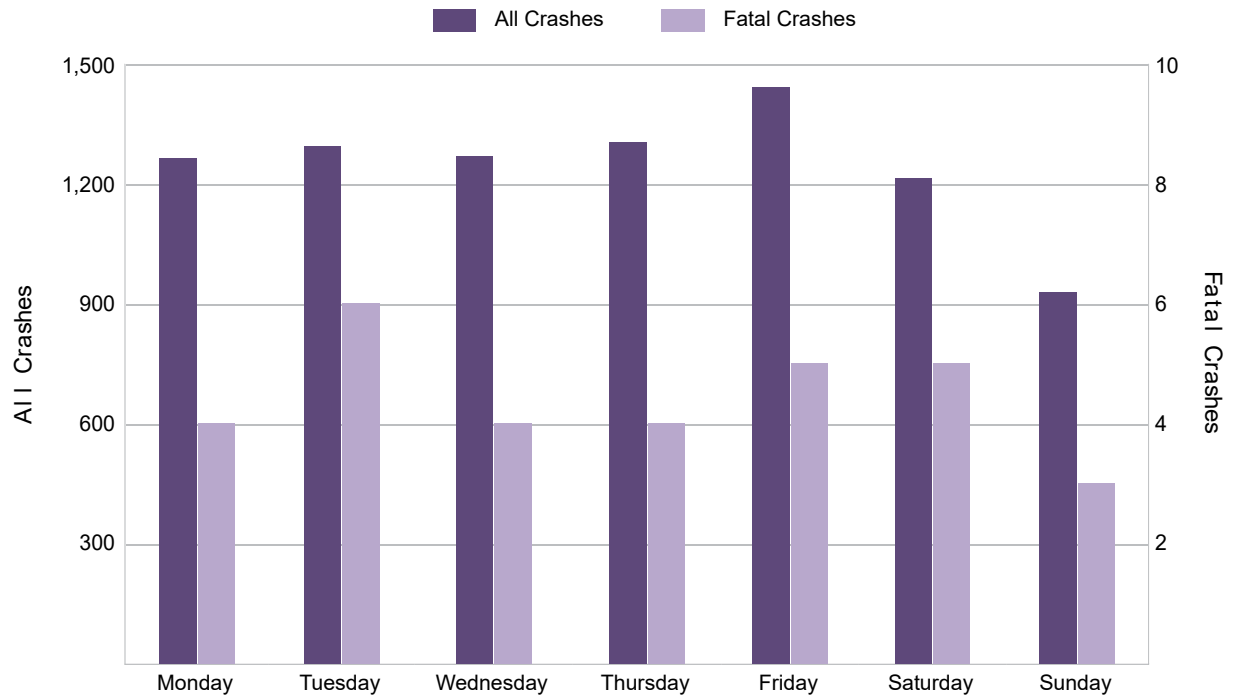


TSN Traverse Bay Area (continued)

2021 - Crashes by Day of Week

Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Fatal	% of Fatal	A	B	C	Number
Monday	1,263	14.5	4	12.9	18	48	96	1,097
Tuesday	1,293	14.8	6	19.4	22	48	78	1,139
Wednesday	1,268	14.6	4	12.9	22	64	81	1,097
Thursday	1,303	15.0	4	12.9	18	48	98	1,135
Friday	1,440	16.5	5	16.1	17	50	122	1,246
Saturday	1,214	13.9	5	16.1	36	58	94	1,021
Sunday	928	10.7	3	9.7	26	51	75	773
Total	8,709	100.0	31	100.0	159	367	644	7,508

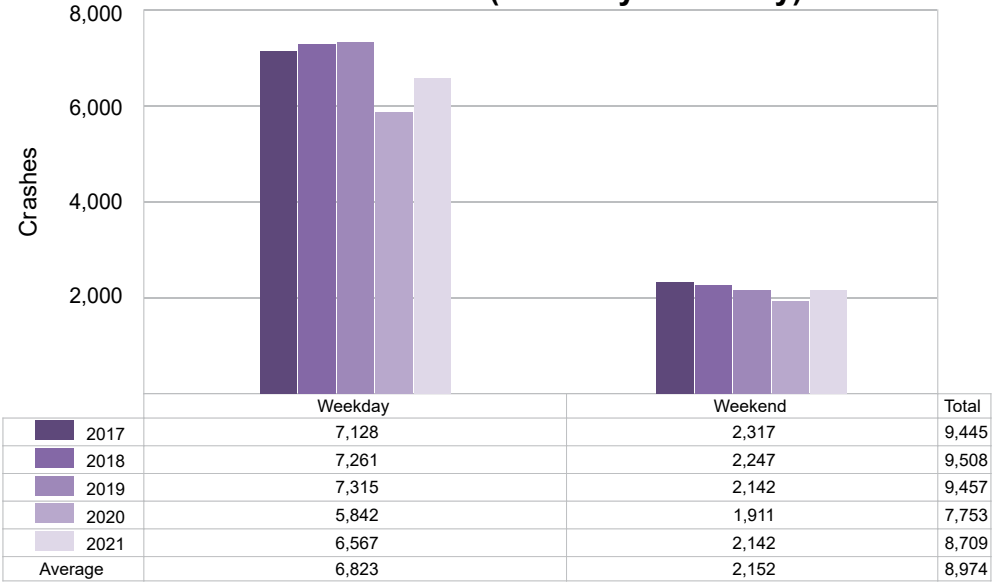
2021 Day of Week and Severity



5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	7,128	13	7,261	19	7,315	17	5,842	18	6,567	23
Weekend	2,317	10	2,247	10	2,142	11	1,911	9	2,142	8
Total	9,445	23	9,508	29	9,457	28	7,753	27	8,709	31

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

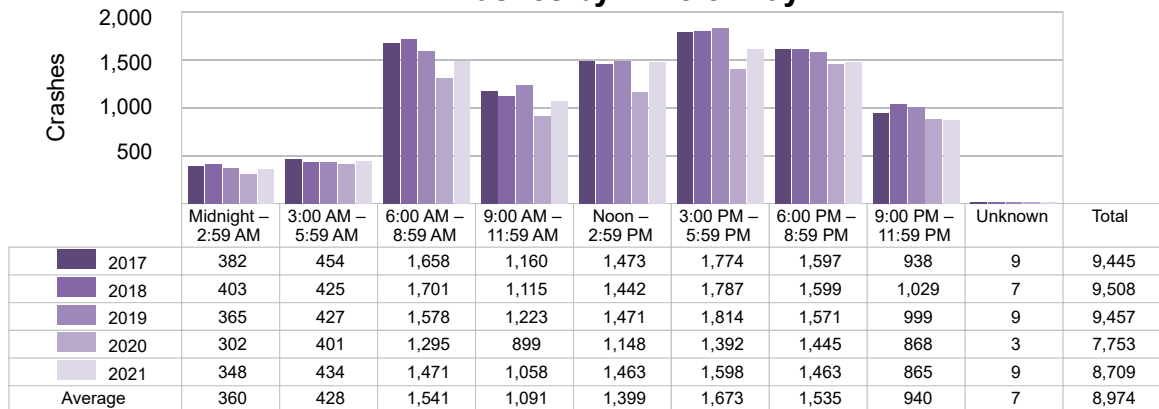


TSN Traverse Bay Area (continued)

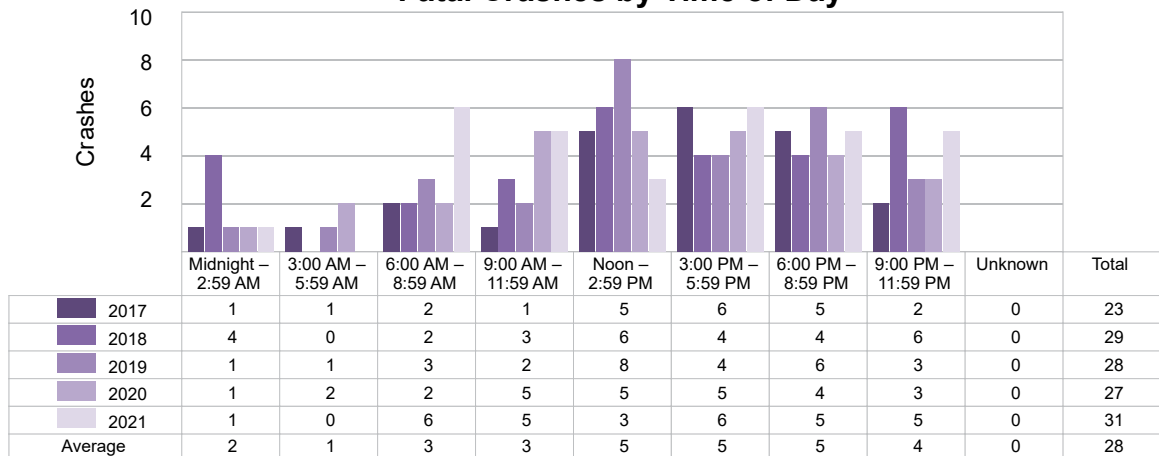
5-Year Trend - Crashes by Time of Day

Time of Day	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight – 2:59 AM	382	1	403	4	365	1	302	1	348	1
3:00 AM – 5:59 AM	454	1	425	0	427	1	401	2	434	0
6:00 AM – 8:59 AM	1,658	2	1,701	2	1,578	3	1,295	2	1,471	6
9:00 AM – 11:59 AM	1,160	1	1,115	3	1,223	2	899	5	1,058	5
Noon – 2:59 PM	1,473	5	1,442	6	1,471	8	1,148	5	1,463	3
3:00 PM – 5:59 PM	1,774	6	1,787	4	1,814	4	1,392	5	1,598	6
6:00 PM – 8:59 PM	1,597	5	1,599	4	1,571	6	1,445	4	1,463	5
9:00 PM – 11:59 PM	938	2	1,029	6	999	3	868	3	865	5
Unknown	9	0	7	0	9	0	3	0	9	0
Total	9,445	23	9,508	29	9,457	28	7,753	27	8,709	31

5-Year Trend Crashes by Time of Day

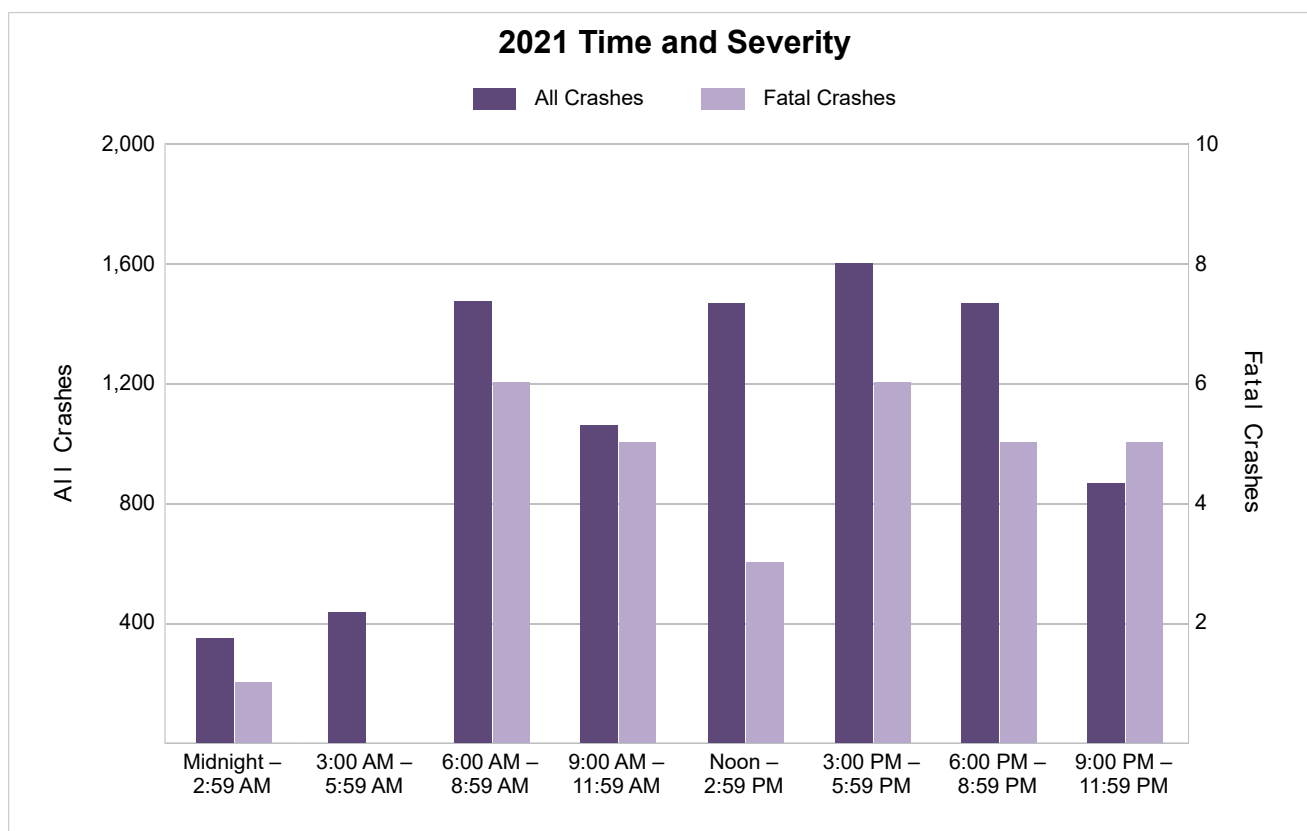


5-Year Trend Fatal Crashes by Time of Day



2021 - 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	348	4.0	1	3.2	11	23	13	300
3:00 AM – 5:59 AM	434	5.0	0	0.0	7	10	23	394
6:00 AM – 8:59 AM	1,471	16.9	6	19.4	9	29	72	1,355
9:00 AM – 11:59 AM	1,058	12.1	5	16.1	16	44	94	899
Noon – 2:59 PM	1,463	16.8	3	9.7	33	81	148	1,198
3:00 PM – 5:59 PM	1,598	18.3	6	19.4	37	92	148	1,315
6:00 PM – 8:59 PM	1,463	16.8	5	16.1	31	52	95	1,280
9:00 PM – 11:59 PM	865	9.9	5	16.1	15	36	51	758
Unknown	9	0.1	0	0.0	0	0	0	9
Total	8,709	100.0	31	100.0	159	367	644	7,508

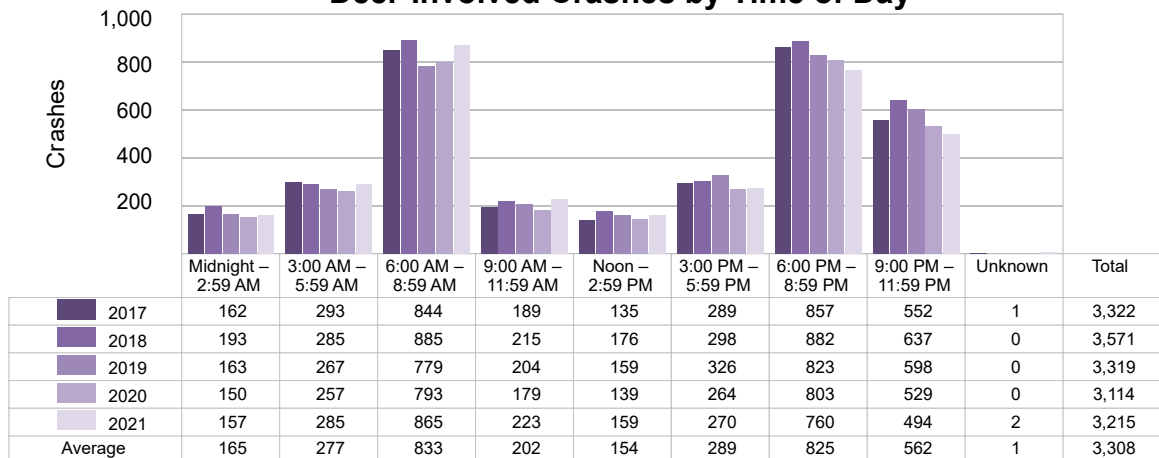


TSN Traverse Bay Area (continued)

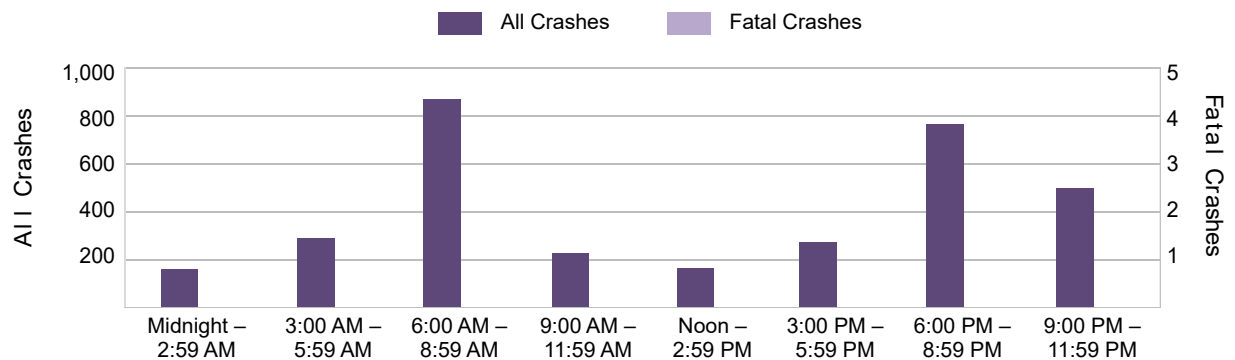
5-Year Trend - Deer-Involved Crashes by Time of Day

Time of Day	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight – 2:59 AM	162	0	193	0	163	0	150	0	157	0
3:00 AM – 5:59 AM	293	0	285	0	267	0	257	1	285	0
6:00 AM – 8:59 AM	844	0	885	0	779	0	793	0	865	0
9:00 AM – 11:59 AM	189	0	215	0	204	0	179	0	223	0
Noon – 2:59 PM	135	0	176	0	159	0	139	0	159	0
3:00 PM – 5:59 PM	289	0	298	0	326	0	264	0	270	0
6:00 PM – 8:59 PM	857	0	882	1	823	0	803	0	760	0
9:00 PM – 11:59 PM	552	1	637	1	598	0	529	0	494	0
Unknown	1	0	0	0	0	0	0	0	2	0
Total	3,322	1	3,571	2	3,319	0	3,114	1	3,215	0

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



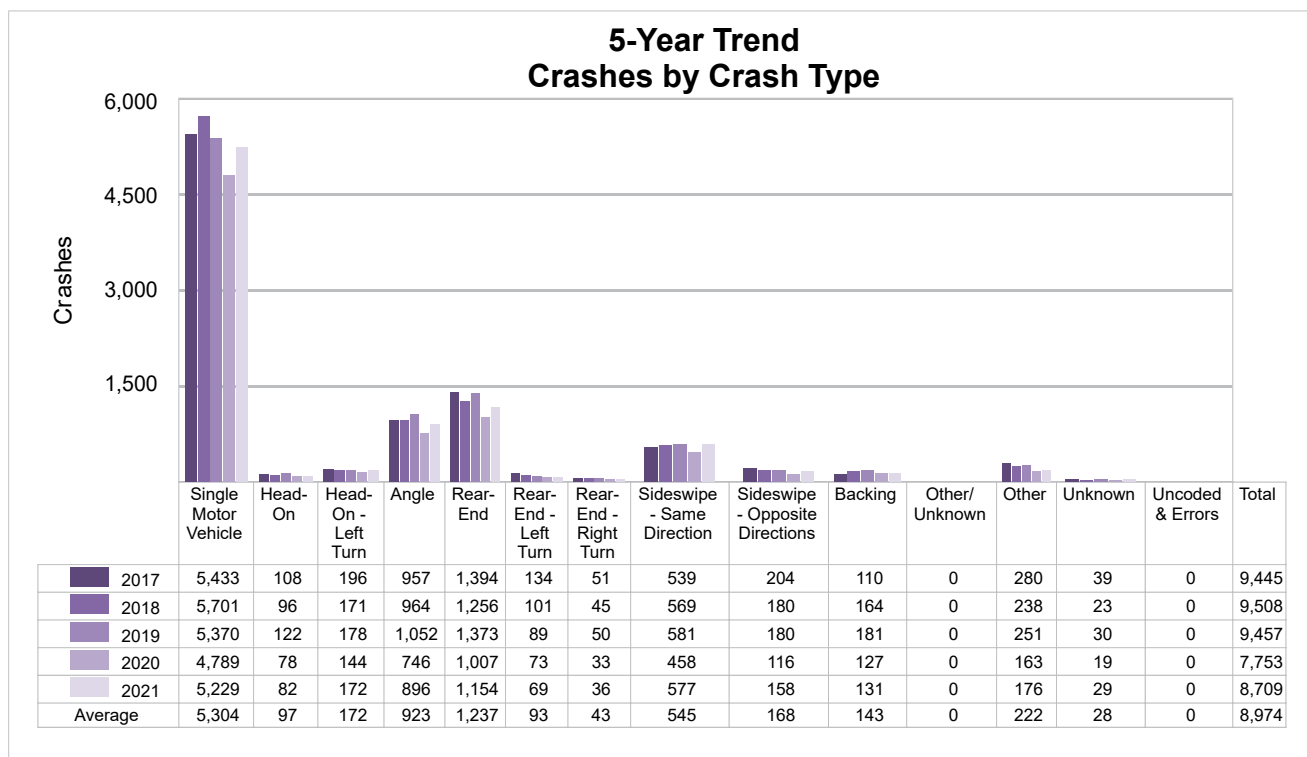
2021 Time and Severity of Deer-Involved Crashes



There were no fatal deer-involved crashes in TSN Traverse Bay Area in 2021.

5-Year Trend - Crashes by Crash Type

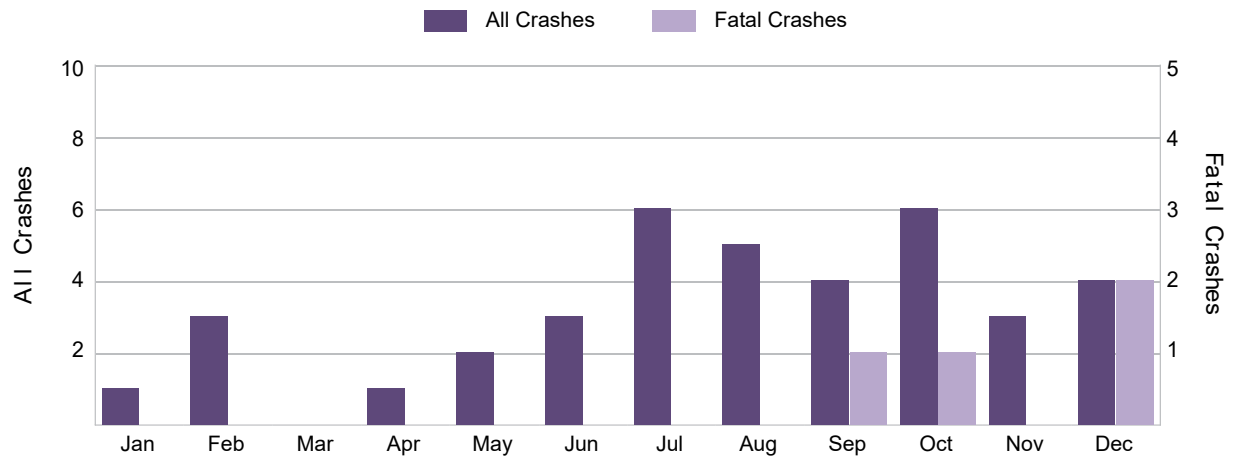
Crash Type	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Single Motor Vehicle	5,433	8	5,701	15	5,370	10	4,789	19	5,229	19
Head-On	108	4	96	5	122	5	78	2	82	3
Head-On - Left Turn	196	0	171	1	178	3	144	1	172	1
Angle	957	4	964	5	1,052	7	746	4	896	4
Rear-End	1,394	2	1,256	1	1,373	1	1,007	0	1,154	1
Rear-End - Left Turn	134	1	101	0	89	1	73	0	69	2
Rear-End - Right Turn	51	0	45	0	50	0	33	0	36	0
Sideswipe - Same Direction	539	1	569	0	581	0	458	0	577	0
Sideswipe - Opposite Directions	204	0	180	1	180	0	116	1	158	1
Backing	110	0	164	0	181	0	127	0	131	0
Other/Unknown	0	0	0	0	0	0	0	0	0	0
Other	280	3	238	1	251	1	163	0	176	0
Unknown	39	0	23	0	30	0	19	0	29	0
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0
Total	9,445	23	9,508	29	9,457	28	7,753	27	8,709	31



5-Year Trend - Pedestrian-Involved Crashes by Month

Month	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	1	0	2	0	1	0	3	0	1	0
February	2	0	2	0	2	0	4	0	3	0
March	2	0	4	0	2	0	3	1	0	0
April	1	0	3	0	2	0	0	0	1	0
May	5	0	1	0	4	0	0	0	2	0
June	4	0	2	0	5	1	3	1	3	0
July	6	0	4	0	4	1	5	0	6	0
August	3	1	4	0	3	0	5	1	5	0
September	4	0	4	1	2	0	5	0	4	1
October	1	0	3	0	5	0	4	1	6	1
November	3	0	4	0	3	1	0	0	3	0
December	1	1	4	0	6	0	1	0	4	2
Total	33	2	37	1	39	3	33	4	38	4

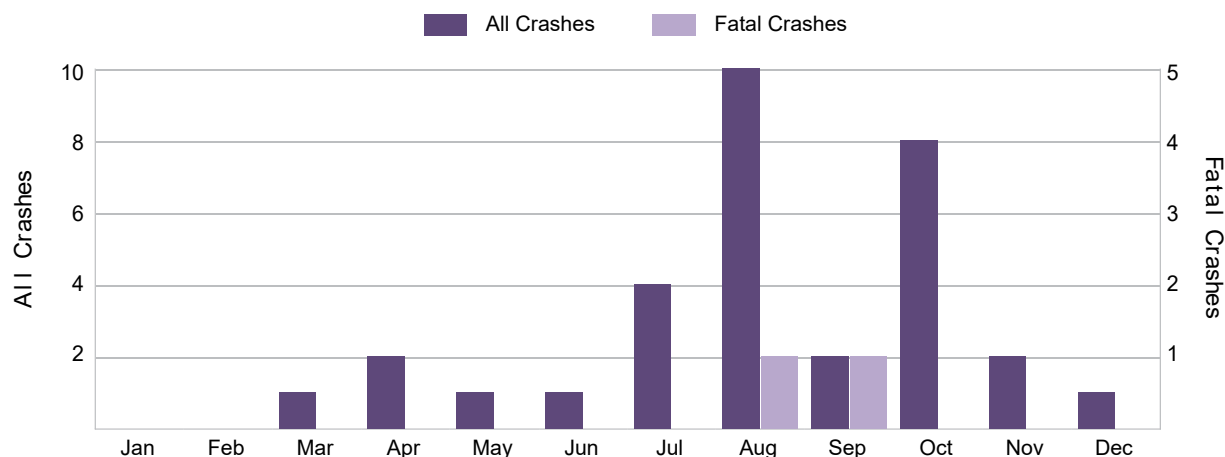
2021 Pedestrian-Involved Crashes by Month



5-Year Trend - Bicyclist-Involved Crashes by Month

Month	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	0	0	0	0	0	0	0	0	0	0
February	0	0	1	0	1	0	0	0	0	0
March	0	0	1	0	0	0	0	0	1	0
April	2	0	1	0	1	0	1	0	2	0
May	2	0	6	0	5	0	2	0	1	0
June	6	0	7	0	7	0	3	0	1	0
July	3	0	14	0	5	0	3	0	4	0
August	5	0	7	0	14	0	7	0	10	1
September	6	1	3	0	4	0	4	0	2	1
October	6	0	1	0	5	0	0	0	8	0
November	0	0	0	0	0	0	1	0	2	0
December	1	0	1	0	0	0	1	0	1	0
Total	31	1	42	0	42	0	22	0	32	2

2021 Bicyclist-Involved Crashes by Month



2021 - Reported Motor Vehicle Crashes by County

County	Crashes												
	Total	Fatal	Injury	Property Damage	Inter-State	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Pedestrian-Involved	Bicyclist-Involved
Antrim	805	2	90	713	0	199	166	428	21	6	421	3	2
Benzie	566	0	79	487	0	136	112	316	33	8	243	0	0
Grand Traverse	3,275	15	460	2,800	0	910	426	1,931	119	45	642	15	20
Kalkaska	681	2	112	567	0	156	153	371	25	11	295	3	3
Leelanau	588	1	73	514	0	0	275	313	31	7	289	3	1
Manistee	915	3	105	807	0	249	160	506	31	6	516	3	4
Missaukee	602	1	55	546	0	0	208	394	18	2	380	2	0
Wexford	1,277	7	196	1,074	0	396	366	506	31	10	429	9	2
Total	8,709	31	1,170	7,508	0	2,046	1,866	4,765	309	95	3,215	38	32

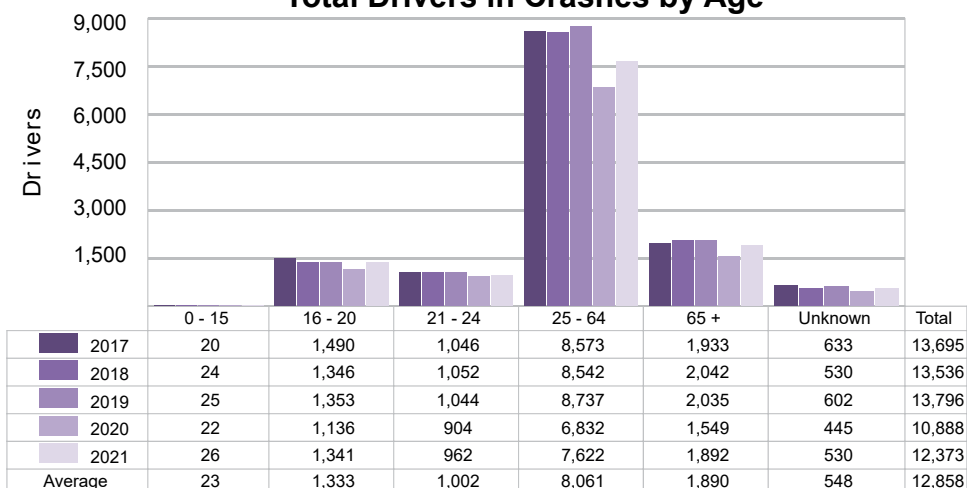
2021 - People in Reported Motor Vehicle Crashes by County

County	People					
	Fatalities	Suspected Serious Injuries	Suspected Minor Injuries	Possible Injuries	No Injuries	Uncoded & Errors
Antrim	2	25	69	76	962	44
Benzie	0	12	82	83	705	25
Grand Traverse	16	85	315	670	4,960	249
Kalkaska	2	48	66	128	894	19
Leelanau	1	30	58	85	694	32
Manistee	3	41	43	113	1,148	63
Missaukee	1	25	52	36	713	12
Wexford	7	68	132	245	1,811	107
Total	32	334	817	1,436	11,887	551

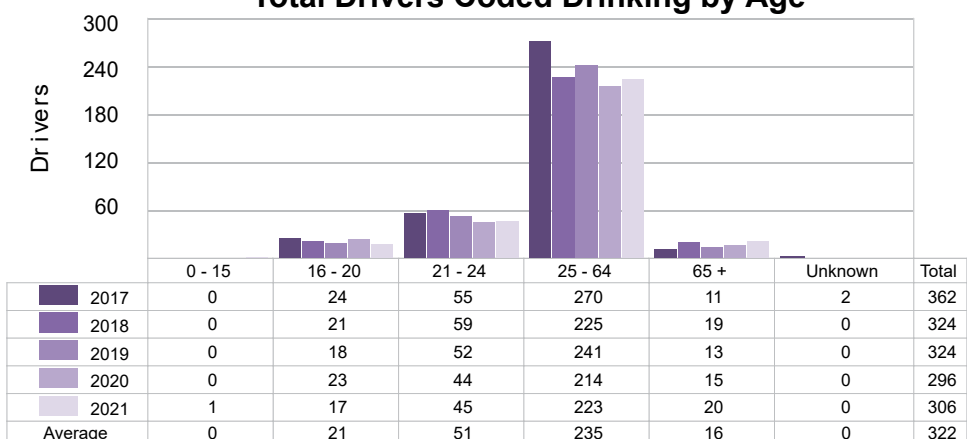
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2017		2018		2019		2020		2021	
	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	20	0	24	0	25	0	22	0	26	1
16 - 20	1,490	24	1,346	21	1,353	18	1,136	23	1,341	17
21 - 24	1,046	55	1,052	59	1,044	52	904	44	962	45
25 - 64	8,573	270	8,542	225	8,737	241	6,832	214	7,622	223
65 +	1,933	11	2,042	19	2,035	13	1,549	15	1,892	20
Unknown	633	2	530	0	602	0	445	0	530	0
Total	13,695	362	13,536	324	13,796	324	10,888	296	12,373	306

5-Year Trend Total Drivers in Crashes by Age



5-Year Trend Total Drivers Coded Drinking by Age



2021 - 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	2	1	1	1	0	0	1	0	0
16 - 20	26	27	14	17	0	6	7	1	3
21 - 24	54	41	35	45	0	3	12	12	18
25 - 64	268	273	179	223	0	24	52	72	75
65 +	29	24	18	20	0	1	9	5	5
Unknown	11	1	0	0	0	0	0	0	0
Total	390	367	247	306	0	34	81	90	101

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).

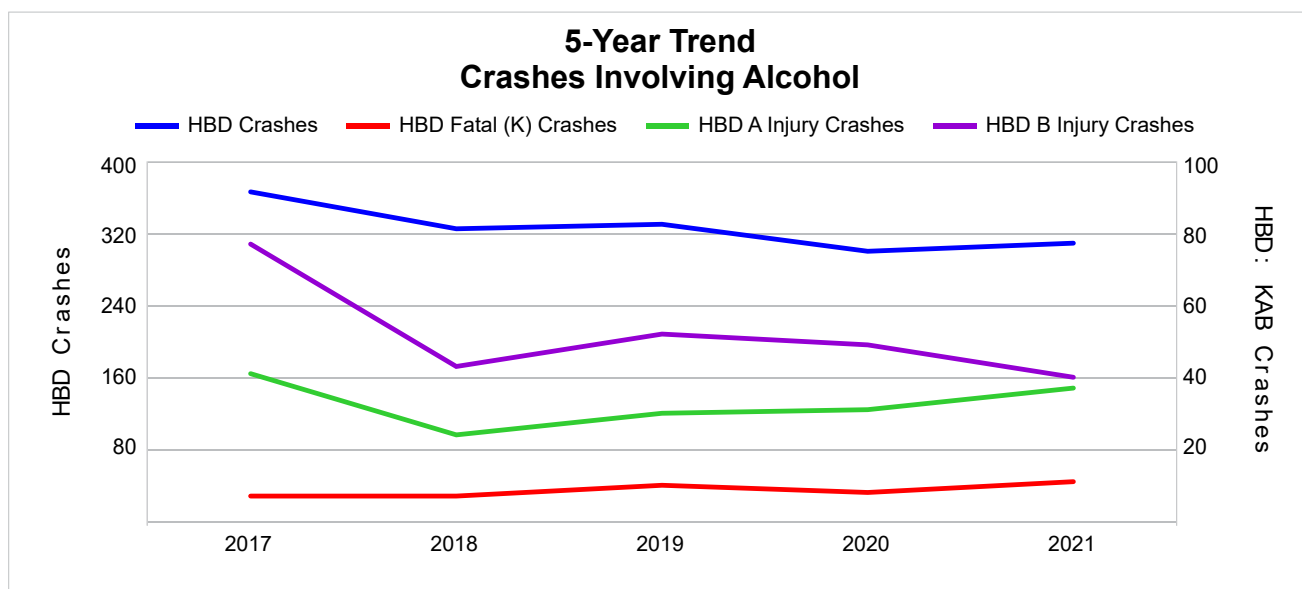
A driver may be coded by the officer as drinking even though no test is administered.

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
2017	9,445	366	3.9	23	7	30.4	192	41	21.4	401	77	19.2
2018	9,508	325	3.4	29	7	24.1	162	24	14.8	380	43	11.3
2019	9,457	330	3.5	28	10	35.7	150	30	20.0	370	52	14.1
2020	7,753	300	3.9	27	8	29.6	152	31	20.4	304	49	16.1
2021	8,709	309	3.5	31 **	11 **	35.5	159	37	23.3 **	367	40 *	10.9 *

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.



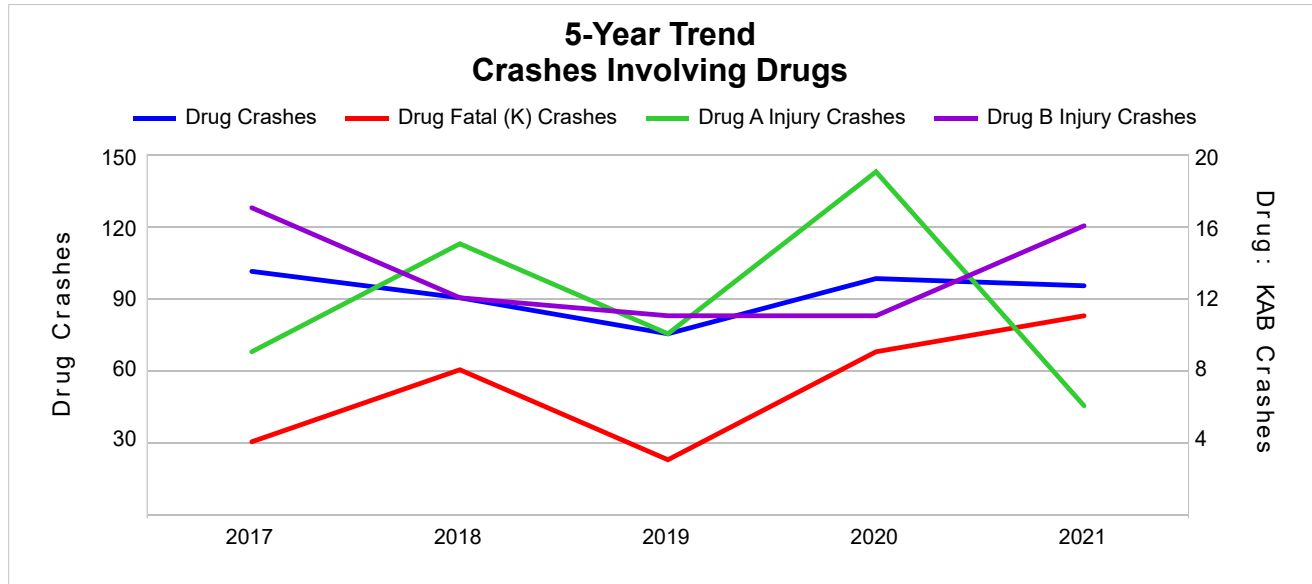
Note: Had-Been-Drinking (HBD)

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
2017	9,445	101	1.1	23	4	17.4	192	9	4.7	401	17	4.2
2018	9,508	90	0.9	29	8	27.6	162	15	9.3	380	12	3.2
2019	9,457	75	0.8	28	3	10.7	150	10	6.7	370	11	3.0
2020	7,753	98	1.3	27	9	33.3	152	19	12.5	304	11	3.6
2021	8,709	95	1.1	31 **	11 **	35.5 **	159	6 *	3.8 *	367	16	4.4 **

Note: * Indicates that the most recent year is the lowest number or percentage reported in the 5-year period in that column.

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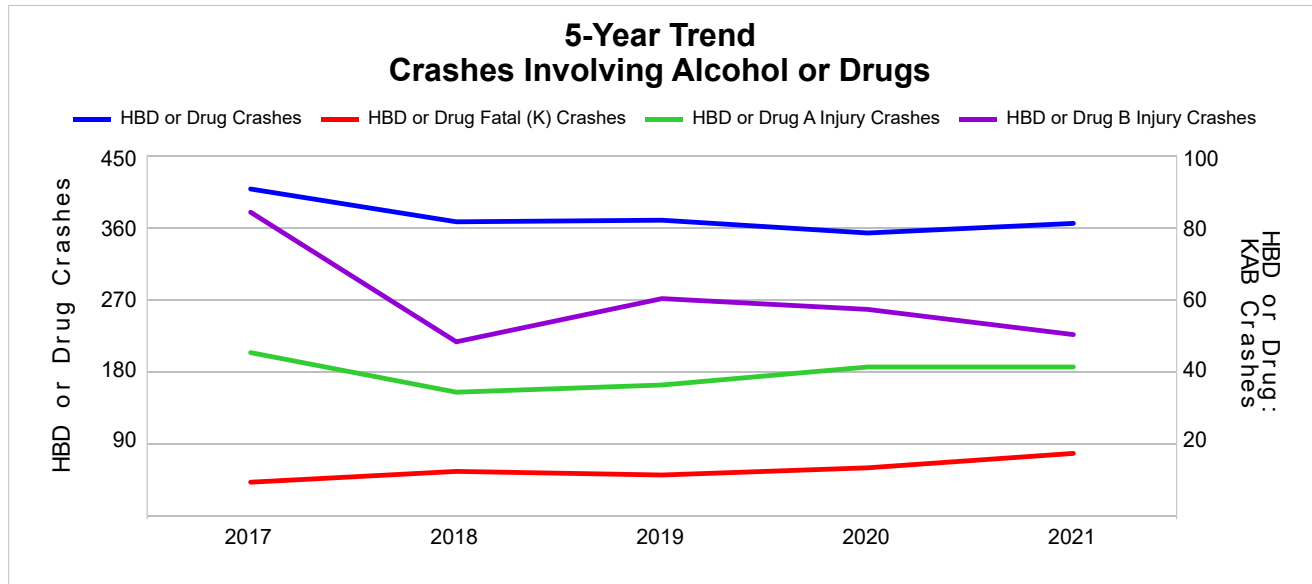


5-Year Trend - Crashes Involving Alcohol or Drugs

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
2017	9,445	407	4.3	23	9	39.1	192	45	23.4	401	84	20.9
2018	9,508	366	3.8	29	12	41.4	162	34	21.0	380	48	12.6
2019	9,457	368	3.9	28	11	39.3	150	36	24.0	370	60	16.2
2020	7,753	352	4.5	27	13	48.1	152	41	27.0	304	57	18.8
2021	8,709	364	4.2	31 **	17 **	54.8 **	159	41	25.8	367	50	13.6

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)

2021 - 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	9,426	8,888	94.3	14	6	42.9	117	96	82.1	343	305	88.9	689	653	94.8	8,009	7,828	97.7
Motor Home	26	24	92.3	0	0	0.0	0	0	0.0	1	1	100.0	4	3	75.0	20	20	100.0
Pickup Truck	2,510	2,313	92.2	2	1	50.0	32	22	68.8	74	60	81.1	140	133	95.0	2,171	2,096	96.5
Small Truck Under 10,000 lbs. GVWR	52	46	88.5	1	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0	44	42	95.5
Motorcycle	100	60	60.0	8	4	50.0	25	16	64.0	32	17	53.1	14	11	78.6	19	12	63.2
Moped/Goped	9	4	44.4	0	0	0.0	0	0	0.0	5	2	40.0	1	0	0.0	2	2	100.0
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	19	17	89.5	1	1	100.0	4	3	75.0	3	3	100.0	3	3	100.0	8	7	87.5
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	42	22	52.4	0	0	0.0	11	5	45.5	7	5	71.4	6	3	50.0	16	9	56.3
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	49	37	75.5	0	0	0.0	0	0	0.0	2	1	50.0	0	0	0.0	41	36	87.8
Truck/Bus (over 10,000 lbs. GVWR/ 8+ occupants/ hazmat placard)	332	313	94.3	0	0	0.0	0	0	0.0	5	5	100.0	13	11	84.6	305	297	97.4
Uncoded & Errors	180	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	12,746	11,724	92.0	26	12	46.2	189	142	75.1	472	399	84.5	874	821	93.9	10,636	10,349	97.3

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.

2021 - 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	90	79	87.8	0	0	0.0	12	10	83.3	14	12	85.7	51	45	88.2	13	12	92.3
16 - 20	1,399	1,357	97.0	2	1	50.0	18	14	77.8	65	52	80.0	110	101	91.8	1,204	1,189	98.8
21 - 24	1,004	956	95.2	3	1	33.3	18	13	72.2	50	39	78.0	91	87	95.6	840	816	97.1
25 - 64	7,776	7,448	95.8	18	8	44.4	115	82	71.3	240	203	84.6	488	454	93.0	6,898	6,700	97.1
65 +	1,947	1,883	96.7	3	2	66.7	26	23	88.5	103	93	90.3	134	134	100.0	1,678	1,631	97.2
Unknown	530	1	0.2	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	1	33.3
Total	12,746	11,724	92.0	26	12	46.2	189	142	75.1	472	399	84.5	874	821	93.9	10,636	10,349	97.3

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	2017			2018			2019			2020			2021		
	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	37	0	10	23	0	2	28	0	4	22	0	3	25	0	5
Shoulder Belt Only Used	67	0	5	64	0	7	55	0	4	42	0	4	49	0	7
Lap Belt Only Used	39	0	3	27	1	1	23	1	3	16	0	0	24	0	4
Both Lap & Shoulder Belt Used	12,404	10	1,191	12,364	8	1,088	12,661	7	1,003	9,936	6	841	11,228	6	957
No Belts Used	113	5	47	114	7	45	84	5	38	74	7	39	72	5	37
Child Restraint Used - Forward Facing	2	0	0	2	0	1	1	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
Child Restraint Used - Rear Facing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Used - Booster Seat	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Restraint Failure	6	0	2	4	0	2	5	0	1	5	0	0	0	0	0
Restraint Use Unknown	836	1	37	767	3	25	785	1	21	634	2	26	823	4	59
Helmet Worn	81	1	55	90	4	65	83	4	58	90	2	71	91	5	63
Helmet Not Worn	35	2	26	30	1	23	34	0	24	47	2	37	43	4	32
Helmet Use Unknown	8	0	4	10	0	4	8	0	3	9	1	6	3	0	0
Uncoded & Errors	66	0	0	41	0	0	29	0	0	13	0	0	15	0	0
Total	13,695	19	1,381	13,536	24	1,263	13,796	18	1,159	10,888	20	1,027	12,373	24	1,164

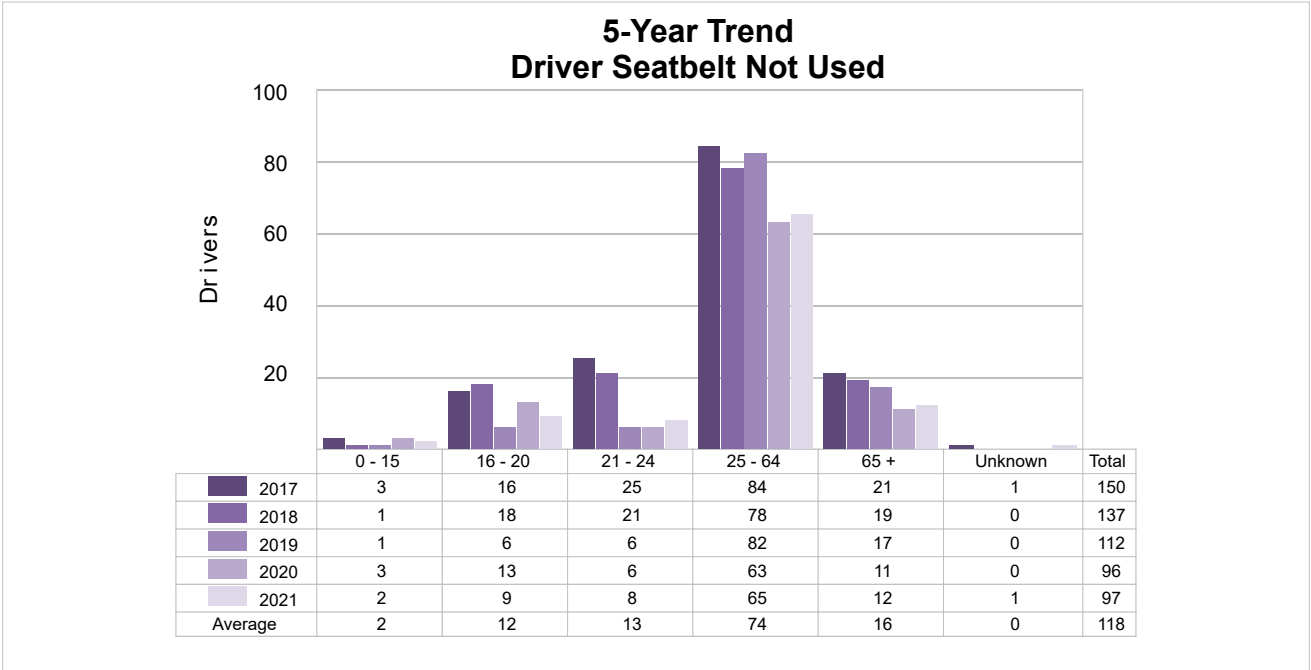
5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2017			2018			2019			2020			2021		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No Belts Available	0	0	0	1	0	1	1	0	0	1	0	1	3	0	1
Shoulder Belt Only Used	1	0	0	2	0	2	0	0	0	1	0	0	1	0	0
Lap Belt Only Used	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0
Both Lap & Shoulder Belt Used	249	1	79	217	0	54	230	1	60	210	1	65	211	4	66
No Belts Used	19	2	16	26	3	14	25	4	16	20	4	13	16	1	11
Child Restraint Used - Forward Facing	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
Child Restraint Used - Rear Facing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Used - Booster Seat	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	77	1	18	65	1	10	54	0	11	49	0	14	63	0	15
Helmet Worn	5	0	4	6	1	5	7	1	6	7	0	6	6	1	3
Helmet Not Worn	8	0	7	7	0	5	5	0	5	5	1	4	6	1	5
Helmet Use Unknown	1	0	1	0	0	0	0	0	0	3	0	2	0	0	0
Uncoded & Errors	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	362	4	125	324	5	91	324	6	99	296	6	105	306	7	101

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

Age Group	2017			2018			2019			2020			2021		
	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	3	0	3	1	0	0	1	0	1	3	0	3	2	0	2
16 - 20	16	1	7	18	1	7	6	0	3	13	1	6	9	0	6
21 - 24	25	2	10	21	1	11	6	0	0	6	0	4	8	0	4
25 - 64	84	1	28	78	4	27	82	4	34	63	3	27	65	5	25
65 +	21	1	9	19	1	2	17	1	4	11	3	2	12	0	5
Unknown	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Total	150	5	57	137	7	47	112	5	42	96	7	42	97	5	42

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

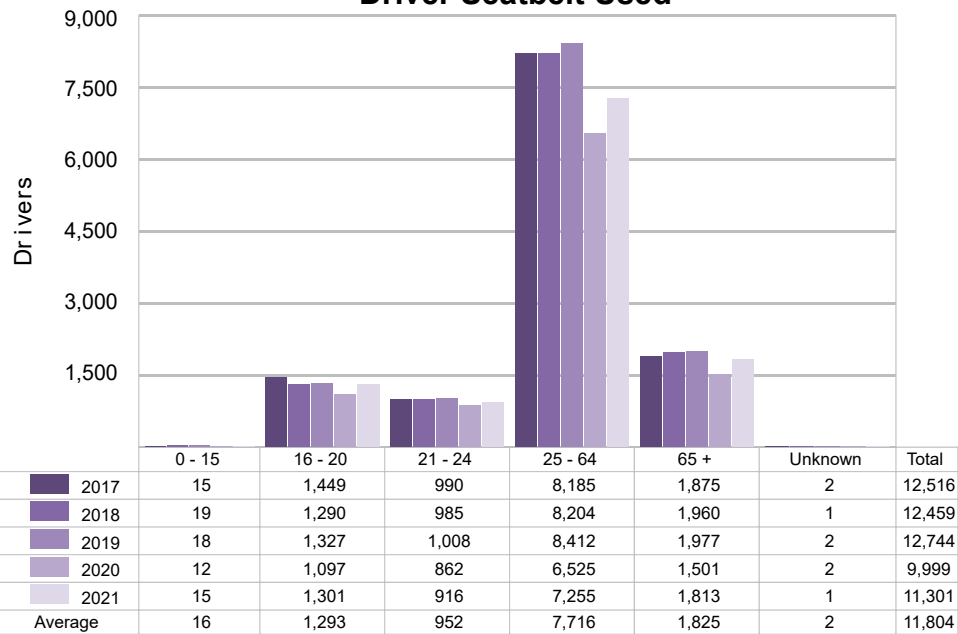


5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2017			2018			2019			2020			2021		
	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	15	0	0	19	0	3	18	0	0	12	0	1	15	0	3
16 - 20	1,449	0	159	1,290	1	128	1,327	0	117	1,097	1	93	1,301	1	115
21 - 24	990	1	100	985	1	94	1,008	0	78	862	0	79	916	1	102
25 - 64	8,185	6	769	8,204	3	687	8,412	2	654	6,525	4	535	7,255	4	562
65 +	1,875	3	172	1,960	4	186	1,977	6	162	1,501	1	137	1,813	0	186
Unknown	2	0	1	1	0	0	2	0	0	2	0	0	1	0	0
Total	12,516	10	1,201	12,459	9	1,098	12,744	8	1,011	9,999	6	845	11,301	6	968

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**



5-Year Trend - Drivers in Crashes by Hazardous Action

Hazardous Action	2017		2018		2019		2020		2021	
	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	7,779	17	7,873	20	7,938	21	6,546	13	7,187	14
Speed Too Fast	1,358	5	1,345	5	1,336	5	892	6	1,015	16
Speed Too Slow	11	0	6	0	2	0	3	0	3	0
Failed to Yield	1,133	2	1,157	4	1,231	8	929	4	1,121	2
Disregard Traffic Control	142	2	136	3	146	1	142	2	135	1
Drove Wrong Way	4	0	4	0	6	0	5	0	3	0
Drove Left of Center	116	4	97	4	101	0	81	2	84	3
Improper Passing	52	0	72	0	56	0	54	0	63	1
Improper Lane Use	169	0	180	0	171	1	116	0	162	0
Improper Turn	89	0	91	0	100	0	82	0	102	0
Improper/No Signal	8	0	15	0	18	0	11	0	12	0
Improper Backing	181	0	184	0	185	0	126	0	128	0
Unable to Stop in Assured Clear Distance	1,404	2	1,334	0	1,481	1	1,036	0	1,249	0
Other	379	1	349	1	305	0	281	1	323	6
Unknown	492	4	393	8	424	4	301	4	453	1
Reckless Driving	39	3	40	1	34	1	56	2	30	0
Careless/Negligent Driving	292	0	226	2	238	4	222	4	299	0
Uncoded & Errors	47	0	34	0	24	0	5	0	4	0
Total	13,695	40	13,536	48	13,796	46	10,888	38	12,373	44

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