



2021

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

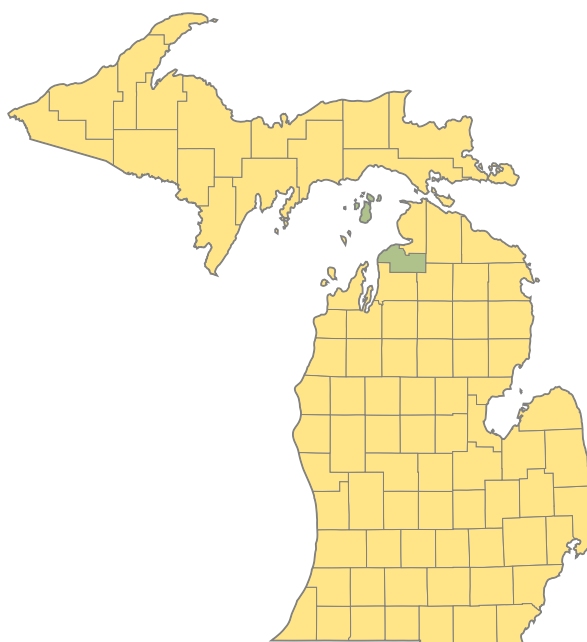
O = No Injury

Property Damage Only (PDO)



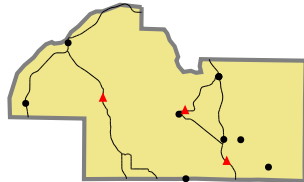
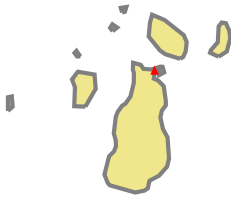
Charlevoix County

2021 Traffic Crash Data & 2017-2021 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.



Crashes by most severe injury (mapped/actual)

▲ K - Fatal (4/4)

● A - Suspected Serious (10/10)

2021 - Crashes and Injury by Month

Month	Crashes				People	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	70	0	5	65	0	5
February	63	0	1	62	0	1
March	60	1	5	54	1	7
April	56	0	4	52	0	6
May	51	0	9	42	0	10
June	71	0	7	64	0	10
July	83	1	11	71	1	11
August	70	1	15	54	1	20
September	78	1	7	70	1	10
October	108	0	13	95	0	22
November	130	0	3	127	0	4
December	122	0	10	112	0	14
Total	962	4	90	868	4	120

2021 - Driver Statistics

Age Group	Charlevoix County			Driver Rates	
	2019 Population*	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	4,203	141	2	4.8	141.8
16 - 20	1,395	1,206	109	781.4	903.8
21 - 24	1,046	978	86	822.2	879.3
25 - 64	12,930	12,487	792	612.5	634.3
65 +	6,569	6,927	173	263.4	249.7
Unknown	0	0	44	--	--
Total	26,143	21,739	1,206	461.3	554.8

*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	840	69.7	2	33.3	92	746
Motor Home	23	1.9	0	0.0	3	20
Pickup Truck	272	22.6	1	16.7	26	245
Small Truck Under 10,000 lbs. GVWR	16	1.3	0	0.0	0	16
Motorcycle	6	0.5	0	0.0	5	1
Moped/Goped	2	0.2	0	0.0	2	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	0	1
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	7	0.6	1	16.7	2	4
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	25	2.1	2	33.3	3	20
Uncoded & Errors	14	1.2	0	0.0	2	12
Total	1,206	100.0	6	100.0	135	1,065

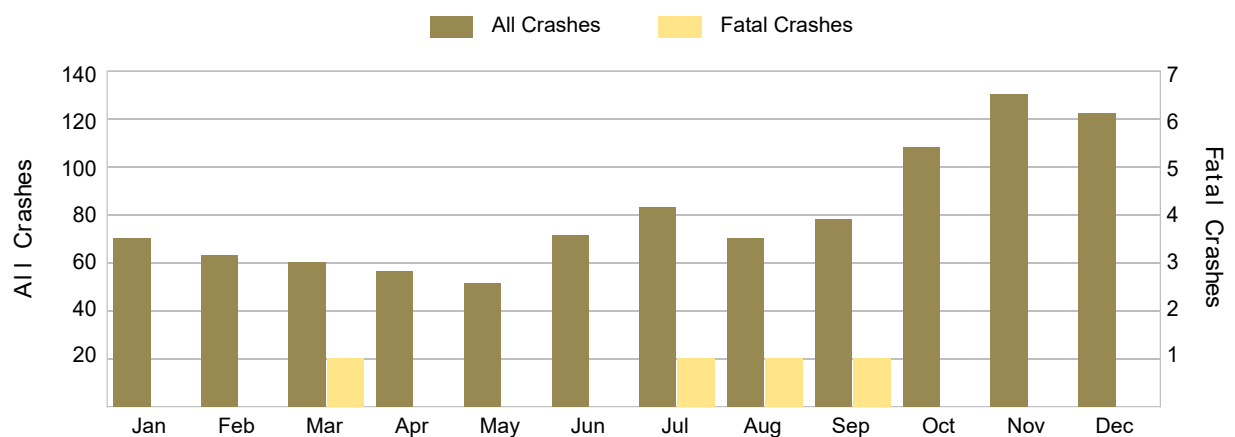
5-Year Trend - Crashes by Month

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	104	0	120	0	117	0	111	0	70	0
February	105	0	92	0	86	1	84	0	63	0
March	77	0	111	1	73	0	64	0	60	1
April	57	0	85	0	56	1	29	1	56	0
May	71	1	69	0	62	1	30	0	51	0
June	68	1	98	0	80	1	78	0	71	0
July	96	1	106	0	93	0	109	0	83	1
August	79	0	101	0	71	0	61	0	70	1
September	93	0	70	0	74	0	74	0	78	1
October	125	0	139	0	91	0	94	0	108	0
November	157	0	171	0	140	0	110	1	130	0
December	155	0	155	0	123	0	100	1	122	0
Total	1,187	3	1,317	1	1,066	4	944	3	962	4

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	192	1	178	0	157	1	135	1	159	0
Tuesday	186	1	200	0	163	0	156	0	151	1
Wednesday	204	0	190	0	182	0	137	0	140	0
Thursday	167	1	208	0	171	1	156	0	146	1
Friday	178	0	240	0	159	1	139	0	155	1
Saturday	142	0	156	1	127	0	129	0	107	1
Sunday	118	0	145	0	107	1	92	2	104	0
Total	1,187	3	1,317	1	1,066	4	944	3	962	4

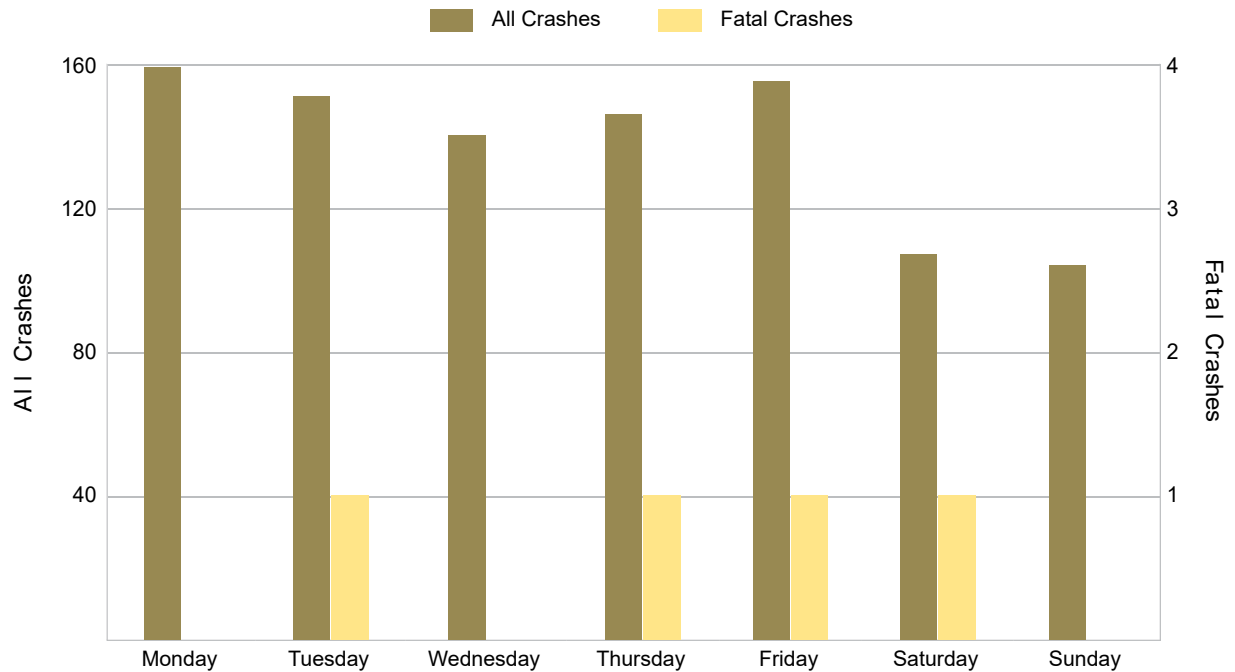
2021 Crashes by Month



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	159	16.5	0	0.0	2	5	8	144
Tuesday	151	15.7	1	25.0	0	5	4	141
Wednesday	140	14.6	0	0.0	1	6	4	129
Thursday	146	15.2	1	25.0	2	9	8	126
Friday	155	16.1	1	25.0	3	6	8	137
Saturday	107	11.1	1	25.0	1	3	5	97
Sunday	104	10.8	0	0.0	1	4	5	94
Total	962	100.0	4	100.0	10	38	42	868

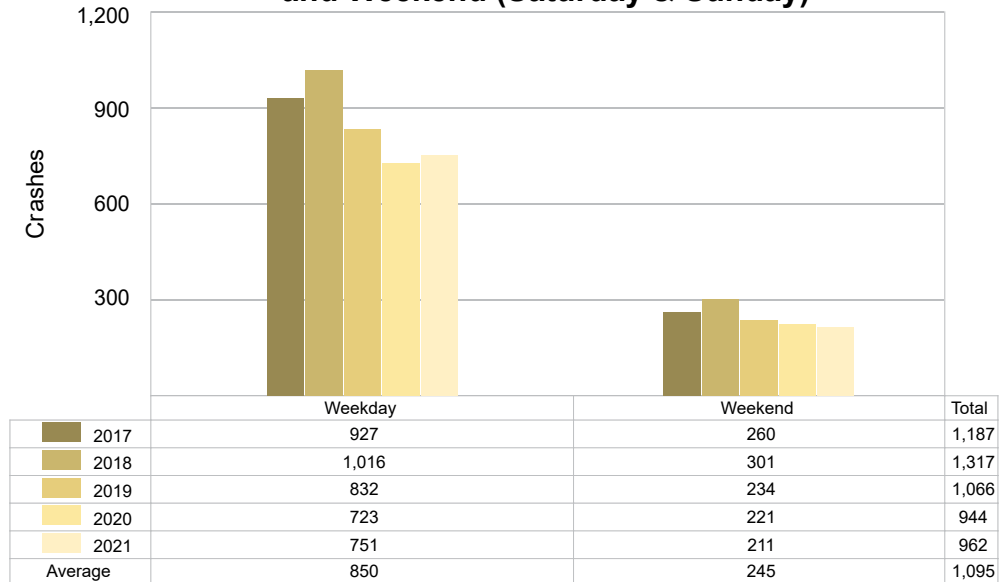
2021 Day of Week and Severity



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	927	3	1,016	0	832	3	723	1	751	3
Weekend	260	0	301	1	234	1	221	2	211	1
Total	1,187	3	1,317	1	1,066	4	944	3	962	4

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

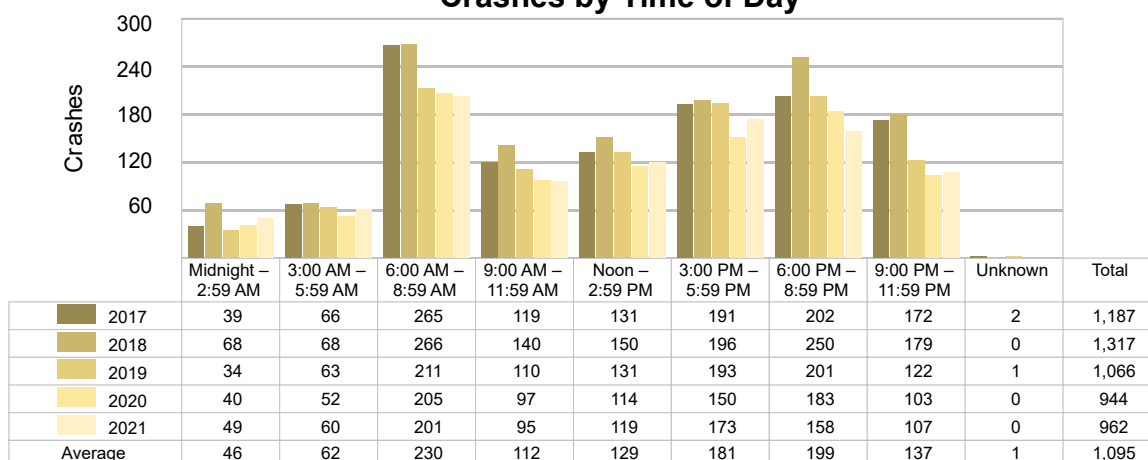


5-Year Trend - Crashes by Time of Day

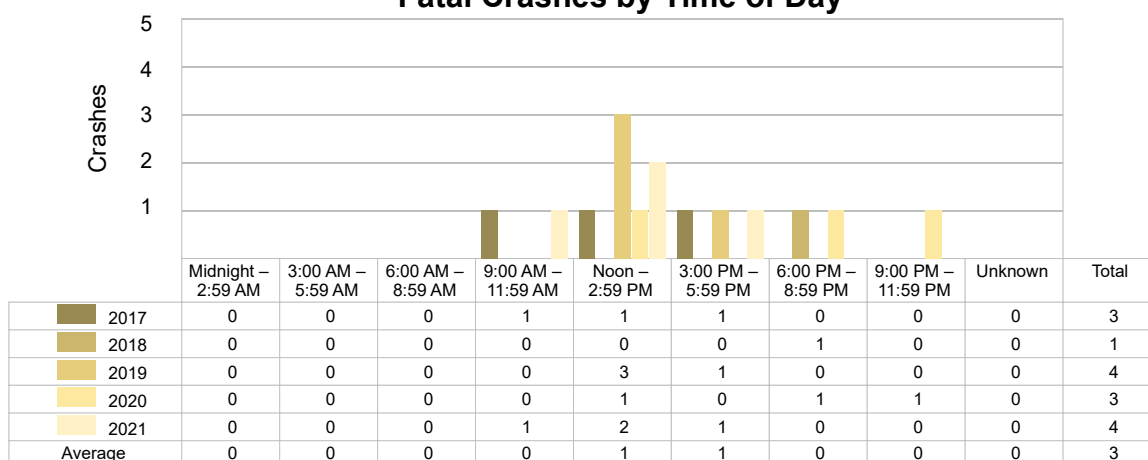
Time of Day	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight – 2:59 AM	39	0	68	0	34	0	40	0	49	0
3:00 AM – 5:59 AM	66	0	68	0	63	0	52	0	60	0
6:00 AM – 8:59 AM	265 †	0	266 †	0	211 †	0	205 †	0	201 †	0
9:00 AM – 11:59 AM	119	1	140	0	110	0	97	0	95	1
Noon – 2:59 PM	131	1	150	0	131	3	114	1	119	2
3:00 PM – 5:59 PM	191	1	196	0	193	1	150	0	173	1
6:00 PM – 8:59 PM	202	0	250	1	201	0	183	1	158	0
9:00 PM – 11:59 PM	172	0	179	0	122	0	103	1	107	0
Unknown	2	0	0	0	1	0	0	0	0	0
Total	1,187	3	1,317	1	1,066	4	944	3	962	4

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

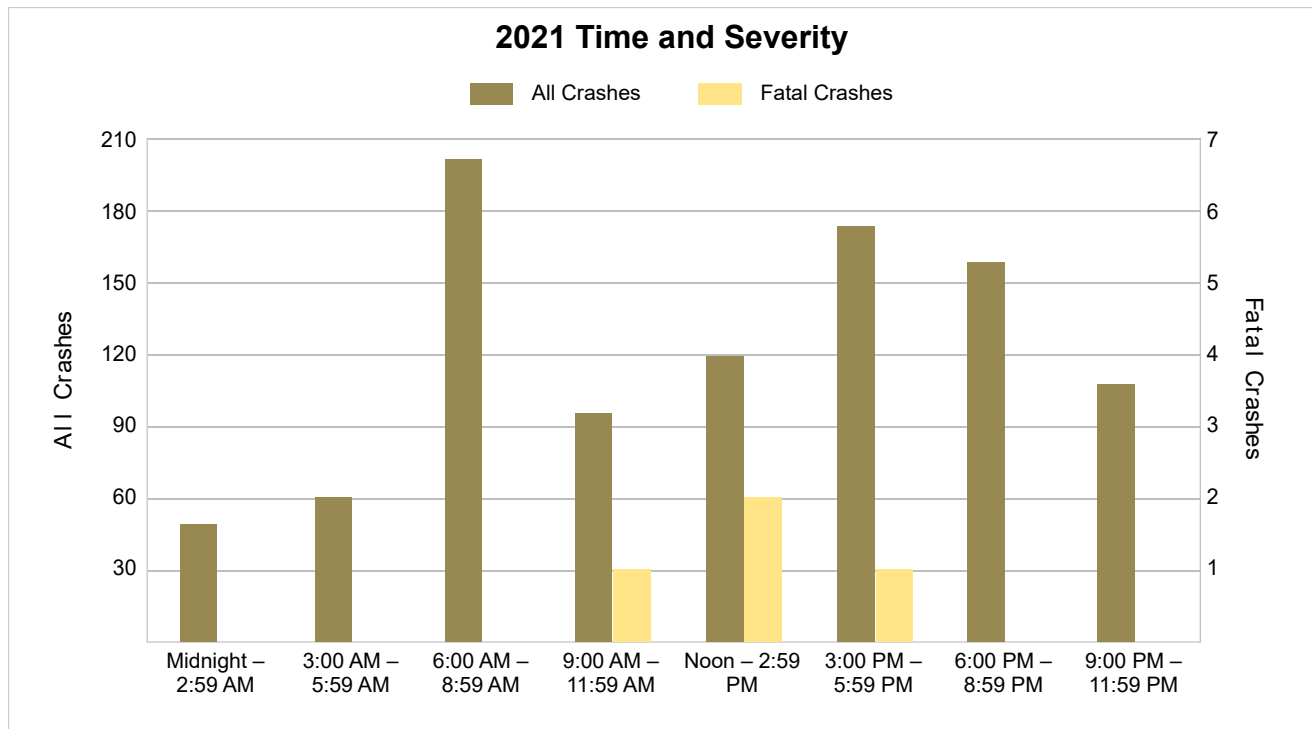


5-Year Trend Fatal Crashes by Time of Day



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	49	5.1	0	0.0	1	2	6	40
3:00 AM – 5:59 AM	60	6.2	0	0.0	0	0	2	58
6:00 AM – 8:59 AM	201	20.9	0	0.0	0	3	5	193
9:00 AM – 11:59 AM	95	9.9	1	25.0	0	5	3	86
Noon – 2:59 PM	119	12.4	2	50.0	5	8	7	97
3:00 PM – 5:59 PM	173	18.0	1	25.0	1	6	8	157
6:00 PM – 8:59 PM	158	16.4	0	0.0	3	9	3	143
9:00 PM – 11:59 PM	107	11.1	0	0.0	0	5	8	94
Unknown	0	0.0	0	0.0	0	0	0	0
Total	962	100.0	4	100.0	10	38	42	868

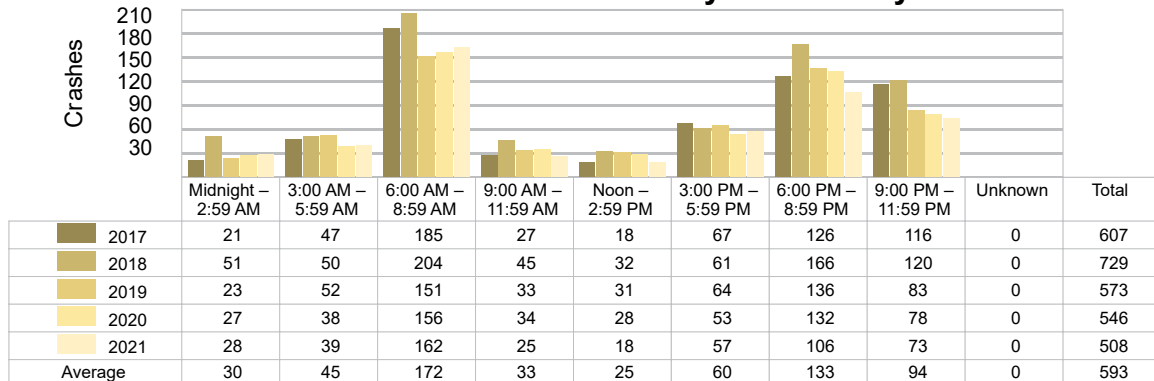


5-Year Trend - Deer-Involved Crashes by Time of Day

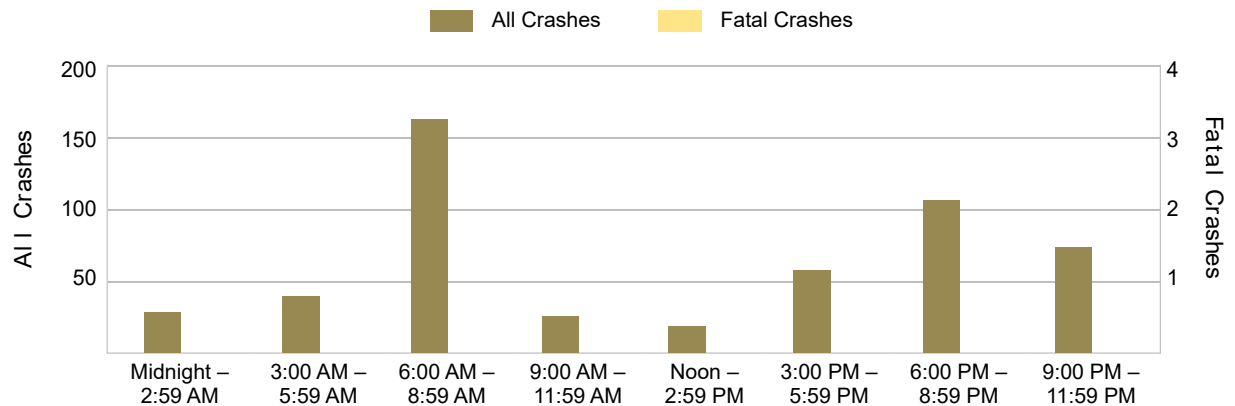
Time of Day	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight – 2:59 AM	21	0	51	0	23	0	27	0	28	0
3:00 AM – 5:59 AM	47	0	50	0	52	0	38	0	39	0
6:00 AM – 8:59 AM	185 †	0	204 †	0	151 †	0	156 †	0	162 †	0
9:00 AM – 11:59 AM	27	0	45	0	33	0	34	0	25	0
Noon – 2:59 PM	18	0	32	0	31	0	28	0	18	0
3:00 PM – 5:59 PM	67	0	61	0	64	0	53	0	57	0
6:00 PM – 8:59 PM	126	0	166	0	136	0	132	0	106	0
9:00 PM – 11:59 PM	116	0	120	0	83	0	78	0	73	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	607	0	729	0	573	0	546	0	508	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



2021 Time and Severity of Deer-Involved Crashes

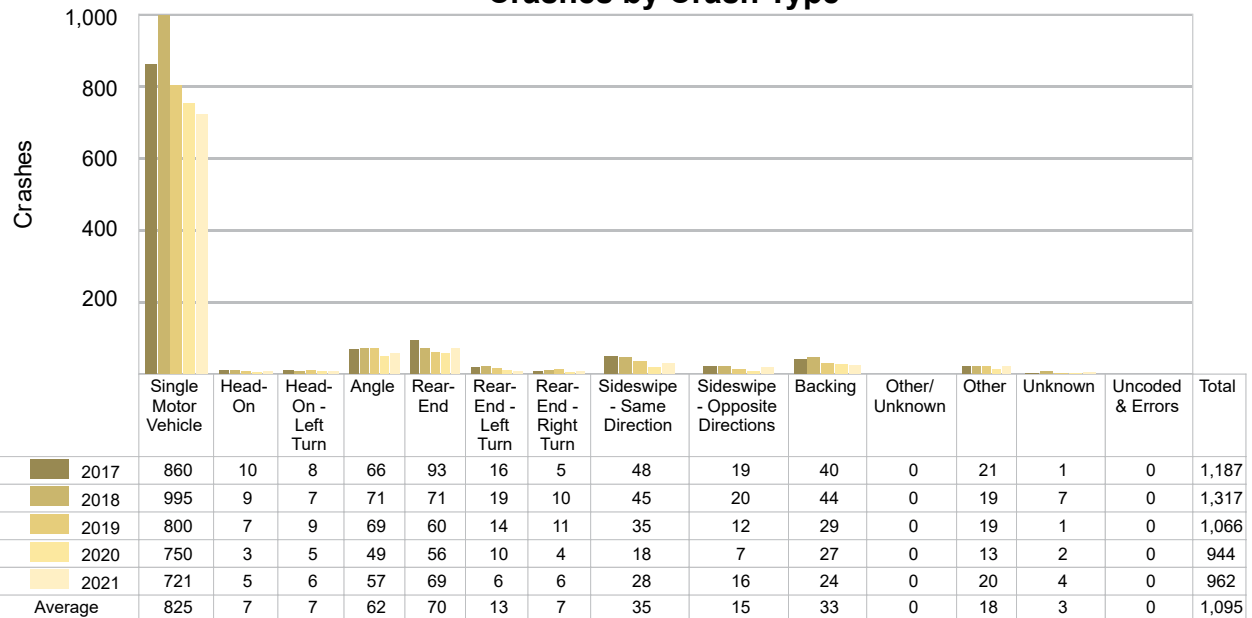


There were no fatal deer-involved crashes in Charlevoix County in 2021.

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	860	2	995	1	800	0	750	3	721	2
Head-On	10	0	9	0	7	1	3	0	5	1
Head-On - Left Turn	8	1	7	0	9	0	5	0	6	0
Angle	66	0	71	0	69	1	49	0	57	0
Rear-End	93	0	71	0	60	1	56	0	69	0
Rear-End - Left Turn	16	0	19	0	14	0	10	0	6	0
Rear-End - Right Turn	5	0	10	0	11	0	4	0	6	0
Sideswipe - Same Direction	48	0	45	0	35	1	18	0	28	1
Sideswipe - Opposite Directions	19	0	20	0	12	0	7	0	16	0
Backing	40	0	44	0	29	0	27	0	24	0
Other/Unknown	0	0	0	0	0	0	0	0	0	0
Other	21	0	19	0	19	0	13	0	20	0
Unknown	1	0	7	0	1	0	2	0	4	0
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0
Total	1,187	3	1,317	1	1,066	4	944	3	962	4

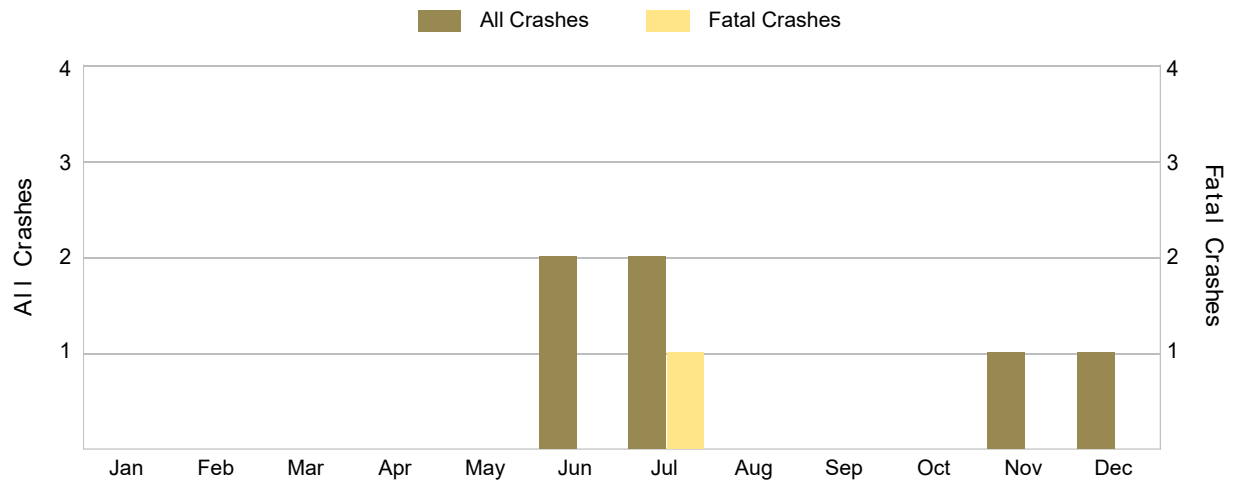
5-Year Trend Crashes by Crash Type



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	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0	0
April	1	0	0	0	1	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0
June	2	0	1	0	3	0	0	0	2	0
July	2	0	0	0	0	0	1	0	2	1
August	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0	0	0
October	1	0	0	0	0	0	1	0	0	0
November	0	0	0	0	0	0	2	1	1	0
December	0	0	0	0	0	0	0	0	1	0
Total	7	0	1	0	4	0	4	1	6	1

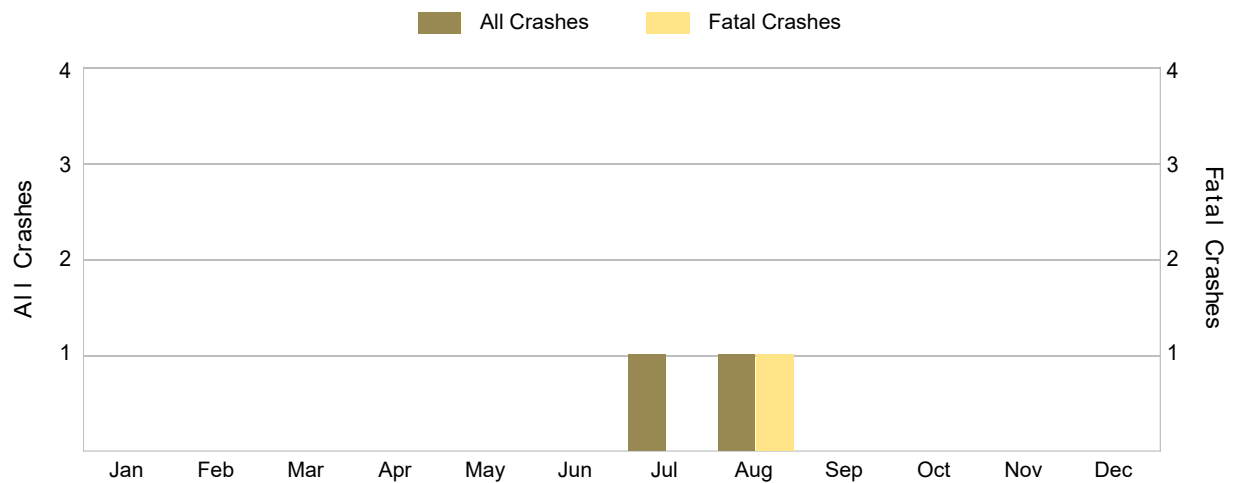
2021 Pedestrian-Involved Crashes by Month



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	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	1	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0
June	1	0	0	0	0	0	1	0	0	0
July	1	0	3	0	0	0	0	0	1	0
August	0	0	0	0	0	0	0	0	1	1
September	0	0	0	0	0	0	1	0	0	0
October	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0
December	1	0	0	0	0	0	0	0	0	0
Total	3	0	3	0	1	0	2	0	2	1

2021 Bicyclist-Involved Crashes by Month



2021 - Reported Motor Vehicle Crashes by Municipality

Municipality	Crashes												
	Total	Fatal	Injury	Property Damage	Inter-State	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Pedestrian-Involved	Bicyclist-Involved
Bay Twp.	40	0	3	37	0	0	0	40	1	1	31	0	0
Boyne City	69	1	6	62	0	0	22	47	1	2	9	0	1
Boyne Falls	0	0	0	0	0	0	0	0	0	0	0	0	0
Boyne Valley Twp.	81	1	8	72	0	30	15	36	2	1	42	0	0
Chandler Twp.	6	0	0	6	0	0	0	6	0	0	3	0	0
Charlevoix	103	0	15	88	0	74	5	24	4	1	16	4	1
Charlevoix Twp.	30	0	2	28	0	18	4	8	1	0	18	1	0
East Jordan	29	0	4	25	0	0	24	4	1	1	7	0	0
Evangeline Twp.	32	0	1	31	0	0	6	26	0	1	22	0	0
Eveline Twp.	65	1	4	60	0	0	35	30	1	0	49	0	0
Hayes Twp.	88	0	12	76	0	34	0	52	6	4	59	0	0
Hudson Twp.	38	0	6	32	0	0	0	38	1	0	16	0	0
Marion Twp.	77	0	4	73	0	1	10	66	1	0	58	0	0
Melrose Twp.	85	0	11	74	0	38	21	26	3	0	34	0	0
Norwood Twp.	52	0	1	51	0	40	0	12	1	1	44	0	0
Peaine Twp.	9	0	3	6	0	0	0	9	2	0	2	0	0
South Arm Twp.	71	0	3	68	0	0	20	51	2	1	51	0	0
St. James Twp.	4	1	0	3	0	0	0	4	0	0	0	1	0
Wilson Twp.	83	0	7	76	0	0	8	73	3	0	47	0	0
Total	962	4	90	868	0	235	170	552	30	13	508	6	2

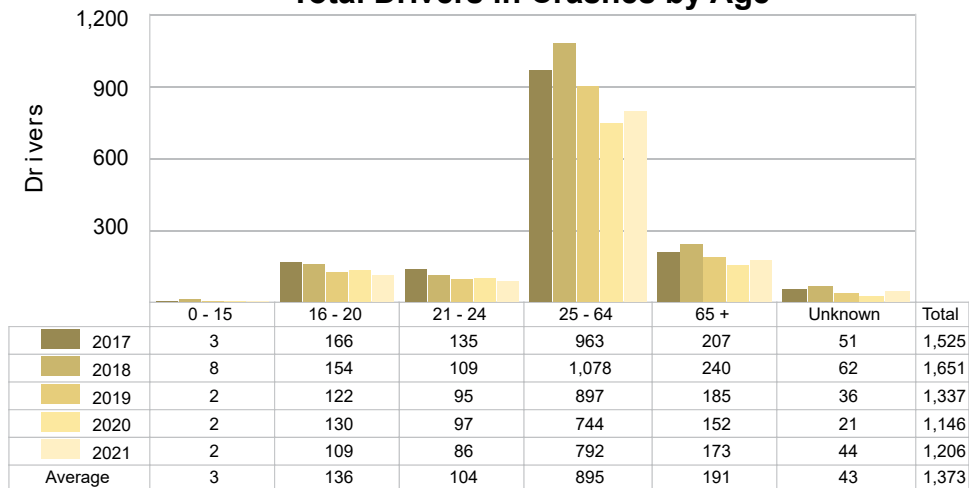
2021 - People in Reported Motor Vehicle Crashes by Municipality

Municipality	People					
	Fatalities	Suspected Serious Injuries	Suspected Minor Injuries	Possible Injuries	No Injuries	Uncoded & Errors
Bay Twp.	0	0	2	2	43	0
Boyne City	1	2	0	12	101	15
Boyne Falls	0	0	0	0	0	0
Boyne Valley Twp.	1	4	9	4	112	0
Chandler Twp.	0	0	0	0	6	0
Charlevoix	0	2	31	8	175	14
Charlevoix Twp.	0	0	2	1	34	2
East Jordan	0	0	6	8	46	5
Evangeline Twp.	0	0	2	0	37	0
Eveline Twp.	1	0	2	5	65	0
Hayes Twp.	0	0	10	10	92	0
Hudson Twp.	0	2	2	7	42	1
Marion Twp.	0	0	1	4	87	1
Melrose Twp.	0	11	9	8	114	2
Norwood Twp.	0	2	0	0	60	1
Peaine Twp.	0	0	0	4	8	0
South Arm Twp.	0	0	1	3	80	0
St. James Twp.	1	0	0	0	5	0
Wilson Twp.	0	1	5	4	97	0
Total	4	24	82	80	1,204	41

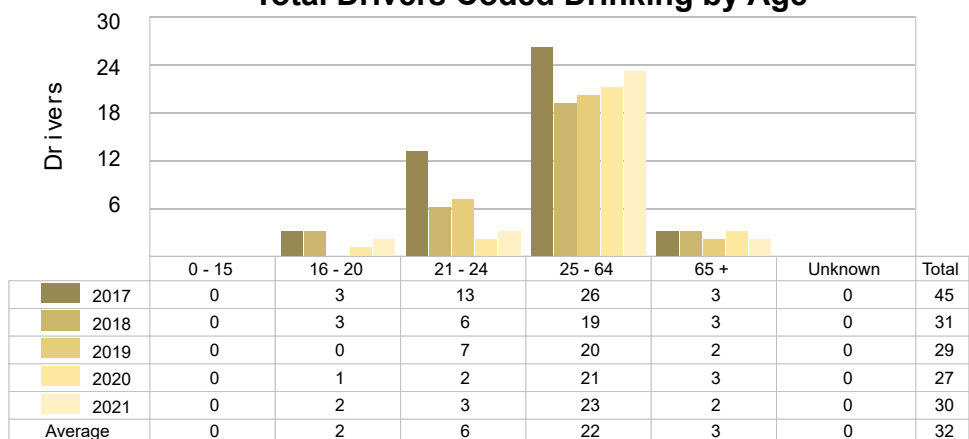
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	3	0	8	0	2	0	2	0	2	0
16 - 20	166	3	154	3	122	0	130	1	109	2
21 - 24	135	13	109	6	95	7	97	2	86	3
25 - 64	963	26	1,078	19	897	20	744	21	792	23
65 +	207	3	240	3	185	2	152	3	173	2
Unknown	51	0	62	0	36	0	21	0	44	0
Total	1,525	45	1,651	31	1,337	29	1,146	27	1,206	30

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	0	0	0	0	0	0	0	0	0
16 - 20	2	3	1	2	0	0	0	0	2
21 - 24	4	3	3	3	0	1	0	0	2
25 - 64	26	20	16	23	0	0	7	4	12
65 +	2	1	1	2	0	0	0	1	1
Unknown	2	0	0	0	0	0	0	0	0
Total	36	27	21	30	0	1	7	5	17

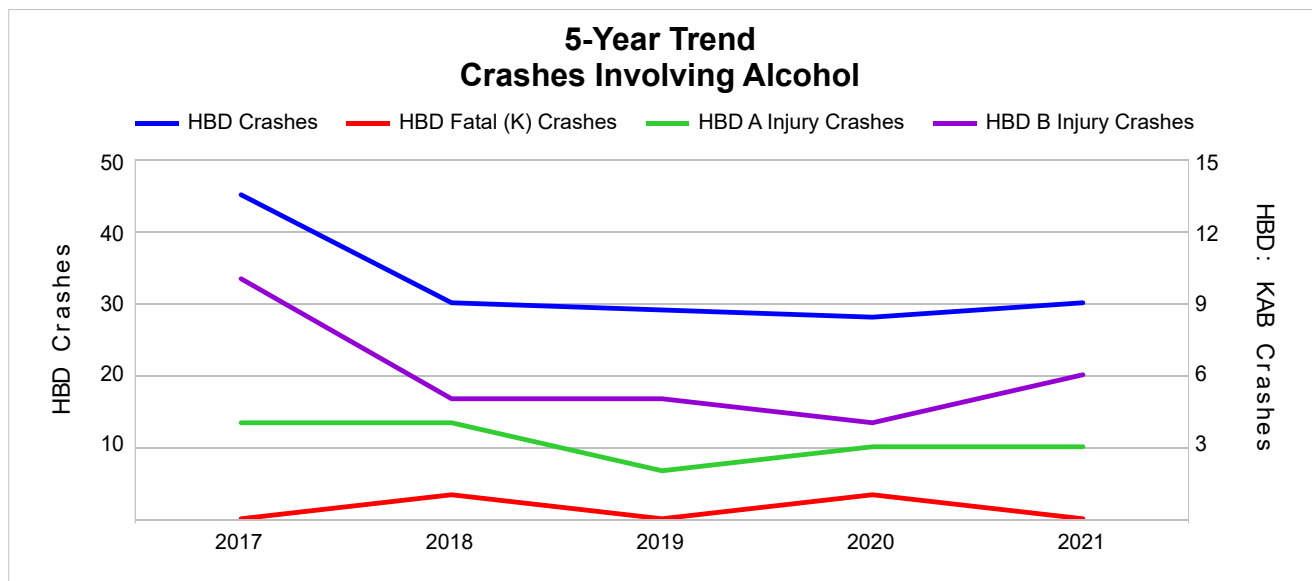
Notes: BAC measured in grams (g) per deciliter (dL).

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	1,187	45	3.8	3	0	0.0	13	4	30.8	54	10	18.5
2018	1,317	30	2.3	1	1	100.0	14	4	28.6	44	5	11.4
2019	1,066	29	2.7	4	0	0.0	8	2	25.0	35	5	14.3
2020	944	28	3.0	3	1	33.3	8	3	37.5	28	4	14.3
2021	962	30	3.1	4	0	0.0	10	3	30.0	38	6	15.8



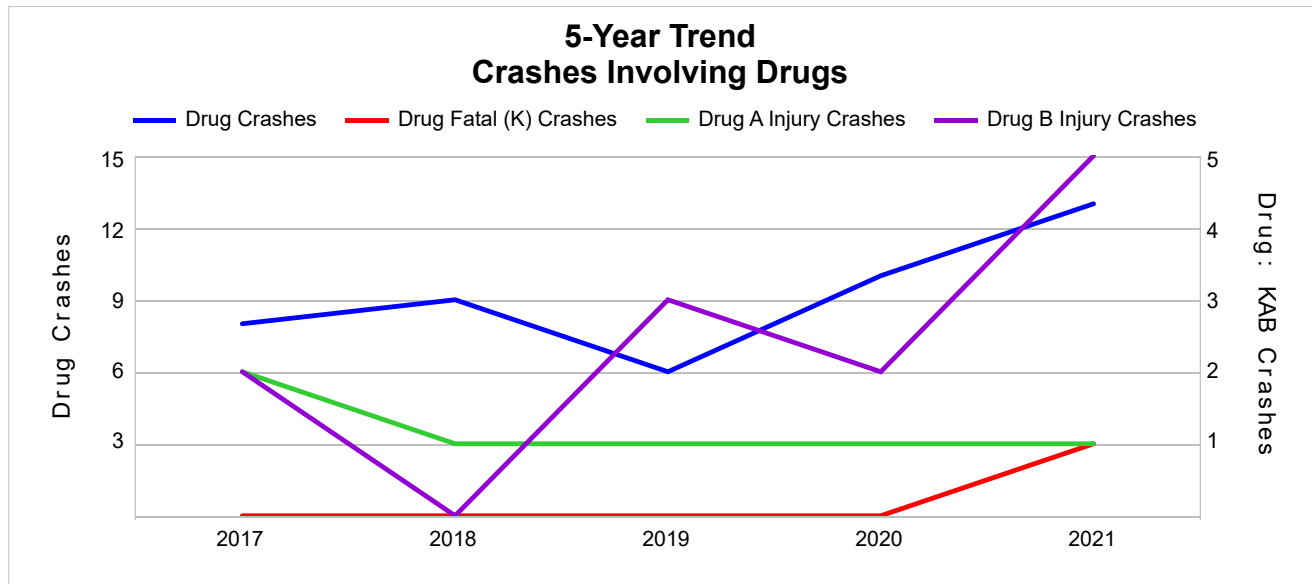
Note: Had-Been-Drinking (HBD)

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	1,187	8	0.7	3	0	0.0	13	2	15.4	54	2	3.7
2018	1,317	9	0.7	1	0	0.0	14	1	7.1	44	0	0.0
2019	1,066	6	0.6	4	0	0.0	8	1	12.5	35	3	8.6
2020	944	10	1.1	3	0	0.0	8	1	12.5	28	2	7.1
2021	962	13 **	1.4 **	4	1 **	25.0 **	10	1	10.0	38	5 **	13.2 **

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.

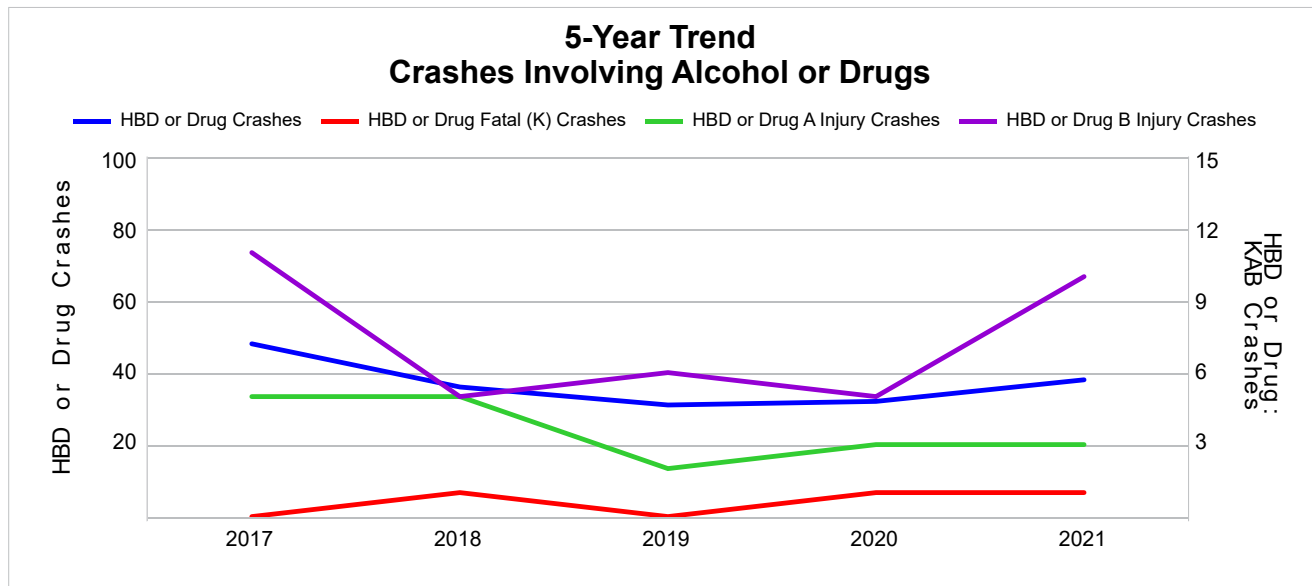


5-Year Trend - Crashes Involving Alcohol or Drugs

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
2017	1,187	48	4.0	3	0	0.0	13	5	38.5	54	11	20.4
2018	1,317	36	2.7	1	1	100.0	14	5	35.7	44	5	11.4
2019	1,066	31	2.9	4	0	0.0	8	2	25.0	35	6	17.1
2020	944	32	3.4	3	1	33.3	8	3	37.5	28	5	17.9
2021	962	38	4.0	4	1	25.0	10	3	30.0	38	10	26.3 **

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)

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	861	800	92.9	1	0	0.0	10	7	70.0	21	17	81.0	55	47	85.5	754	729	96.7
Motor Home	23	22	95.7	0	0	0.0	0	0	0.0	2	2	100.0	0	0	0.0	21	20	95.2
Pickup Truck	273	248	90.8	0	0	0.0	0	0	0.0	7	6	85.7	8	8	100.0	248	234	94.4
Small Truck Under 10,000 lbs. GVWR	16	15	93.8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	16	15	93.8
Motorcycle	6	3	50.0	0	0	0.0	1	0	0.0	4	3	75.0	0	0	0.0	1	0	0.0
Moped/Goped	2	0	0.0	0	0	0.0	0	0	0.0	2	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)	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	7	4	57.1	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	4	66.7
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/ hazmat placard)	26	22	84.6	1	0	0.0	0	0	0.0	2	1	50.0	1	1	100.0	21	20	95.2
Uncoded & Errors	14	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	4	0	0.0
Total	1,229	1,114	90.6	2	0	0.0	12	7	58.3	38	29	76.3	64	56	87.5	1,072	1,022	95.3

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	7	7	100.0	0	0	0.0	1	1	100.0	1	1	100.0	3	3	100.0	2	2	100.0
16 - 20	116	109	94.0	0	0	0.0	0	0	0.0	2	1	50.0	16	11	68.8	98	97	99.0
21 - 24	86	81	94.2	0	0	0.0	1	0	0.0	6	6	100.0	5	4	80.0	74	71	95.9
25 - 64	801	754	94.1	2	0	0.0	6	5	83.3	21	15	71.4	35	33	94.3	731	701	95.9
65 +	175	163	93.1	0	0	0.0	3	1	33.3	8	6	75.0	5	5	100.0	158	151	95.6
Unknown	44	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	9	0	0.0
Total	1,229	1,114	90.6	2	0	0.0	12	7	58.3	38	29	76.3	64	56	87.5	1,072	1,022	95.3

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	9	0	1	3	0	0	0	0	0	2	0	0	5	0	1
Shoulder Belt Only Used	1	0	0	0	0	0	3	0	1	0	0	0	1	0	0
Lap Belt Only Used	0	0	0	2	0	1	0	0	0	1	0	0	1	0	0
Both Lap & Shoulder Belt Used	1,411	1	99	1,509	1	92	1,251	2	77	1,044	1	73	1,092	0	72
No Belts Used	9	0	3	7	0	4	5	1	2	2	0	1	12	1	3
Child Restraint Used - Forward Facing	0	0	0	1	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	73	0	6	88	0	3	49	0	3	83	0	4	86	0	9
Helmet Worn	6	1	4	10	0	9	10	1	8	7	0	7	3	0	3
Helmet Not Worn	5	1	2	8	0	7	3	0	3	6	0	6	5	0	3
Helmet Use Unknown	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Uncoded & Errors	11	0	0	23	0	0	16	0	0	0	0	0	0	0	0
Total	1,525	3	115	1,651	1	116	1,337	4	94	1,146	1	92	1,206	1	92

5-Year Trend - Restraint Use Among Drivers Coded Drinking

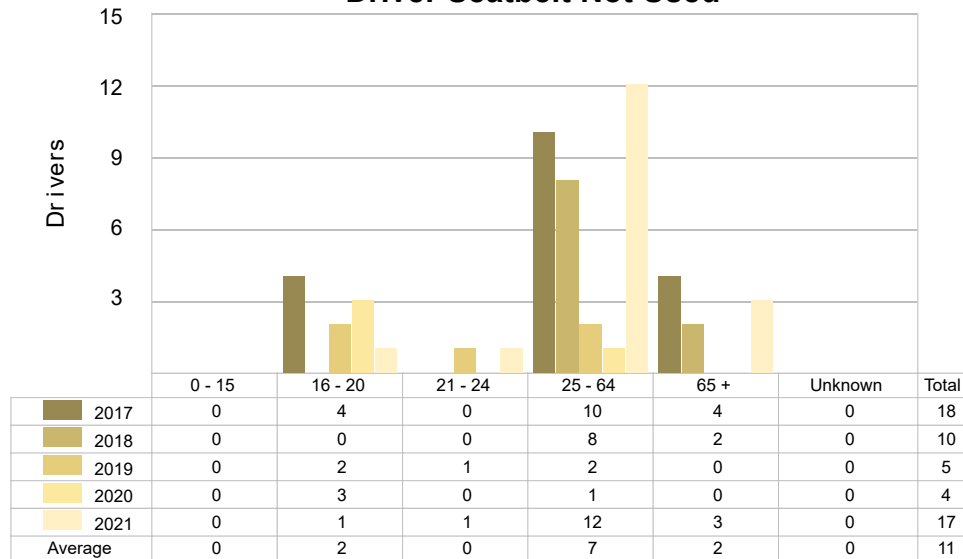
Restraint Use	2017			2018			2019			2020			2021		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No Belts Available	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shoulder Belt Only Used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lap Belt Only Used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Both Lap & Shoulder Belt Used	31	0	9	16	1	8	23	0	5	23	1	7	20	0	9
No Belts Used	2	0	2	1	0	0	1	0	0	0	0	0	4	0	2
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	9	0	4	10	0	0	4	0	0	3	0	0	6	0	4
Helmet Worn	0	0	0	2	0	2	1	0	1	1	0	1	0	0	0
Helmet Not Worn	2	0	2	2	0	2	0	0	0	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	45	0	17	31	1	12	29	0	6	27	1	8	30	0	15

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 - 20	4	0	0	0	0	0	2	1	1	3	0	1	1	0	1
21 - 24	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
25 - 64	10	0	1	8	0	4	2	0	1	1	0	0	12	1	2
65 +	4	0	3	2	0	0	0	0	0	0	0	0	3	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	18	0	4	10	0	4	5	1	2	4	0	1	17	1	4

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

5-Year Trend Driver Seatbelt Not Used

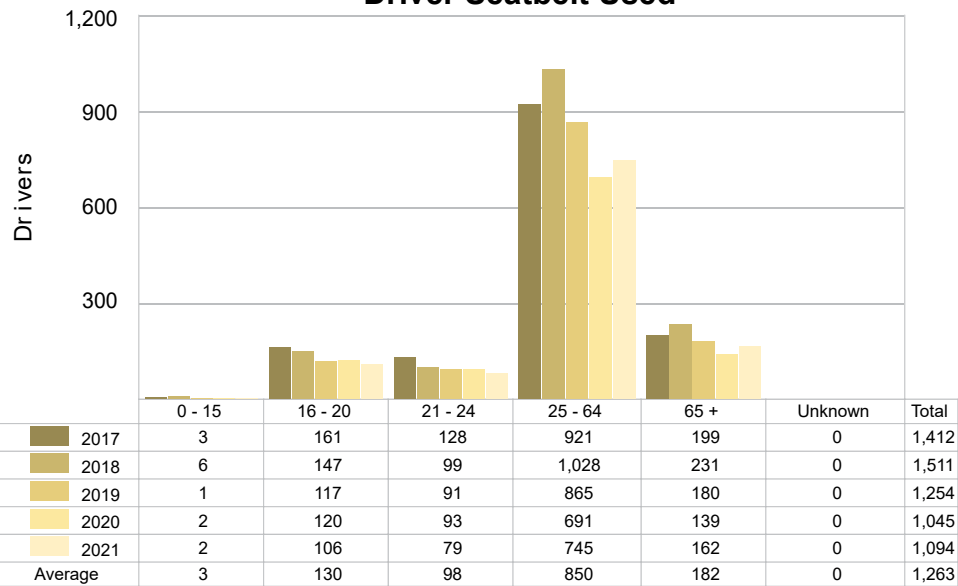


5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	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	0	6	0	0	1	0	0	2	0	0	2	0	0
16 - 20	161	0	20	147	0	19	117	0	10	120	0	12	106	0	9
21 - 24	128	0	10	99	1	5	91	0	5	93	0	7	79	0	8
25 - 64	921	0	50	1,028	0	56	865	1	50	691	1	41	745	0	44
65 +	199	1	19	231	0	13	180	1	13	139	0	13	162	0	11
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,412	1	99	1,511	1	93	1,254	2	78	1,045	1	73	1,094	0	72

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	988	3	1,106	0	909	6	815	0	793	3
Speed Too Fast	159	0	155	0	125	1	92	0	114	1
Speed Too Slow	0	0	0	0	0	0	0	0	0	0
Failed to Yield	80	1	107	0	86	0	63	1	72	0
Disregard Traffic Control	8	0	6	0	8	0	1	0	15	0
Drove Wrong Way	0	0	2	0	0	0	0	0	0	0
Drove Left of Center	13	0	11	0	7	0	7	0	9	0
Improper Passing	7	0	10	0	6	1	8	0	2	1
Improper Lane Use	20	0	12	0	9	0	11	0	6	0
Improper Turn	10	0	10	0	5	0	5	0	12	0
Improper/No Signal	0	0	0	0	0	0	0	0	0	0
Improper Backing	34	0	41	0	16	0	22	0	20	0
Unable to Stop in Assured Clear Distance	101	0	81	0	76	1	50	0	59	0
Other	42	0	47	0	37	0	34	0	48	1
Unknown	15	0	14	0	18	0	14	1	23	0
Reckless Driving	4	0	5	0	5	0	3	1	4	0
Careless/Negligent Driving	34	0	34	1	24	1	21	0	29	0
Uncoded & Errors	10	0	10	0	6	0	0	0	0	0
Total	1,525	4	1,651	1	1,337	10	1,146	3	1,206	6

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