



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

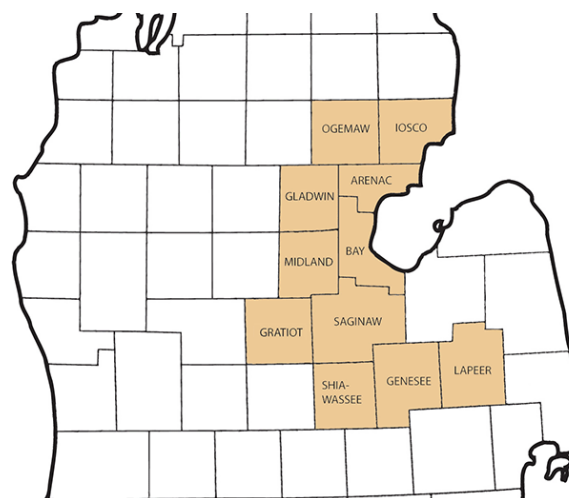
Property Damage Only (PDO)



Traffic Safety Network Saginaw Valley

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

Traffic Safety Network Saginaw Valley is comprised of Arenac, Bay, Genesee, Gladwin, Gratiot, Iosco, Lapeer, Midland, Ogemaw, Saginaw and Shiawassee 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	2,488	8	354	2,126	8	499
February	2,390	7	343	2,040	7	436
March	1,916	4	362	1,550	4	505
April	1,873	18	386	1,469	18	536
May	2,325	14	470	1,841	14	648
June	2,527	16	544	1,967	16	796
July	2,418	19	507	1,892	20	738
August	2,202	12	494	1,696	12	700
September	2,535	10	521	2,004	11	720
October	3,361	11	496	2,854	12	658
November	3,457	9	465	2,983	10	663
December	3,203	13	451	2,739	14	598
Total	30,695	141	5,393	25,161	146	7,497

2021 - Driver Statistics

Age Group	TSN Saginaw Valley			Driver Rates	
	2019 Population*	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	197,262	5,116	87	4.4	170.1
16 - 20	65,195	46,411	5,214	799.8	1,123.4
21 - 24	51,135	45,873	4,231	827.4	922.3
25 - 64	543,690	490,405	28,865	530.9	588.6
65 +	208,248	202,066	5,713	274.3	282.7
Unknown	0	0	3,509	--	--
Total	1,065,530	789,871	47,619	446.9	602.9

*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	36,676	77.0	127	57.5	7,338	29,211
Motor Home	67	0.1	0	0.0	14	53
Pickup Truck	7,919	16.6	47	21.3	1,370	6,502
Small Truck Under 10,000 lbs. GVWR	196	0.4	0	0.0	27	169
Motorcycle	373	0.8	26	11.8	276	71
Moped/Goped	48	0.1	0	0.0	40	8
Go-Cart/Golf Cart	7	0.0	0	0.0	6	1
Snowmobile	6	0.0	2	0.9	2	2
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	43	0.1	2	0.9	23	18
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	171	0.4	1	0.5	22	148
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	1,198	2.5	15	6.8	220	963
Uncoded & Errors	915	1.9	1	0.5	106	808
Total	47,619	100.0	221	100.0	9,444	37,954

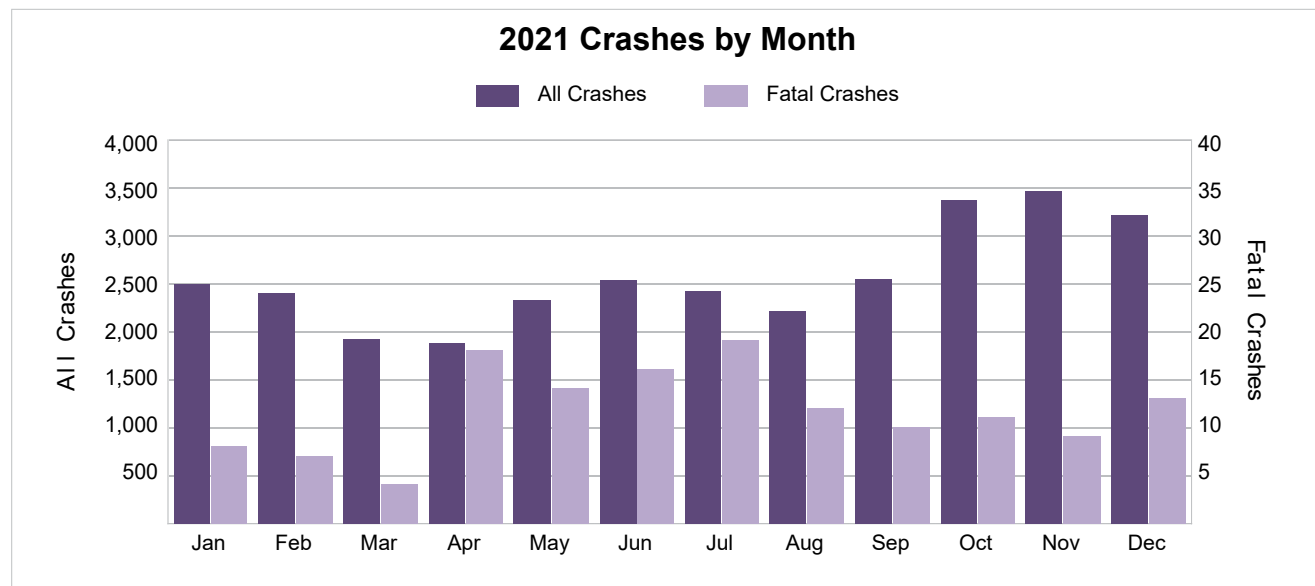
5-Year Trend - Crashes by Month

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	2,753	10	3,291	7	3,154	9	2,769	9	2,488	8
February	1,906	3	2,731	10	2,701	9	2,856	7	2,390	7
March	2,570	10	2,581	9	2,210	8	1,382	3	1,916	4
April	2,070	7	2,323	13	2,107	5	979	5	1,873	18
May	2,361	7	2,233	11	2,418	10	1,717	11	2,325	14
June	2,435	14	2,452	8	2,510	6	2,375	18	2,527	16
July	2,252	18	2,107	6	2,284	15	2,255	18	2,418	19
August	2,181	9	2,082	17	2,312	16	2,100	12	2,202	12
September	2,354	8	2,175	13	2,284	9	2,307	11	2,535	10
October	3,320	9	3,142	14	3,388	10	3,135	10	3,361	11
November	3,246	13	3,786	10	4,033	10	2,950	12	3,457	9
December	4,127	11	2,685	5	2,869	14	2,341	9	3,203	13
Total	31,575	119	31,588	123	32,270	121	27,166	125	30,695	141

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	4,488	17	4,698	14	4,891	14	3,651	15	4,372	17
Tuesday	4,781	19	4,767	14	4,855	12	3,825	9	4,670	20
Wednesday	4,699	14	4,633	16	5,035	17	4,251	20	4,527	18
Thursday	4,902	16	4,713	18	4,798	24	4,412	13	4,673	18
Friday	5,023	18	5,347	16	5,140	19	4,308	21	4,948	25
Saturday	4,262	19	4,044	21	4,031	18	3,650	23	4,123	14
Sunday	3,420	16	3,386	24	3,520	17	3,069	24	3,382	29
Total	31,575	119	31,588	123	32,270	121	27,166	125	30,695	141

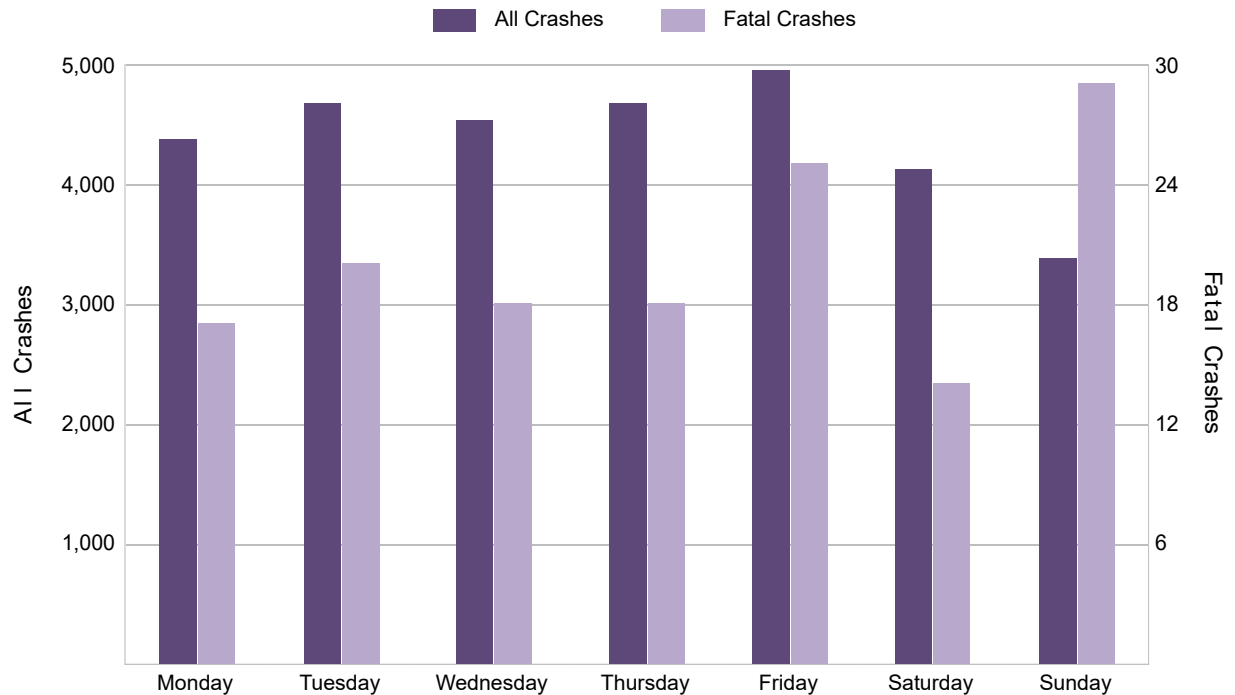
2021 Crashes by Month



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	4,372	14.2	17	12.1	80	226	451	3,598
Tuesday	4,670	15.2	20	14.2	56	201	508	3,885
Wednesday	4,527	14.7	18	12.8	78	219	450	3,762
Thursday	4,673	15.2	18	12.8	84	223	511	3,837
Friday	4,948	16.1	25	17.7	93	259	530	4,041
Saturday	4,123	13.4	14	9.9	105	234	440	3,330
Sunday	3,382	11.0	29	20.6	75	200	370	2,708
Total	30,695	100.0	141	100.0	571	1,562	3,260	25,161

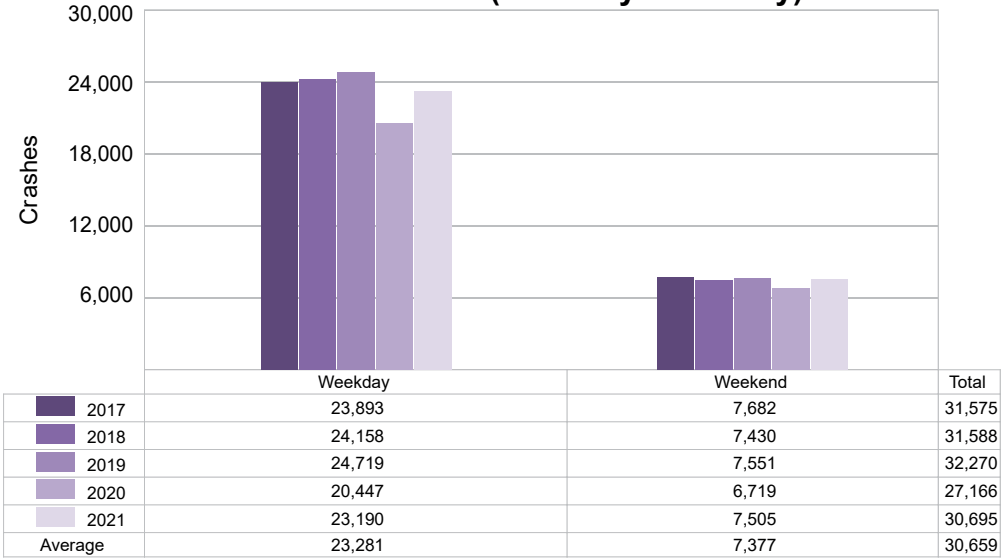
2021 Day of Week and Severity



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	23,893	84	24,158	78	24,719	86	20,447	78	23,190	98
Weekend	7,682	35	7,430	45	7,551	35	6,719	47	7,505	43
Total	31,575	119	31,588	123	32,270	121	27,166	125	30,695	141

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

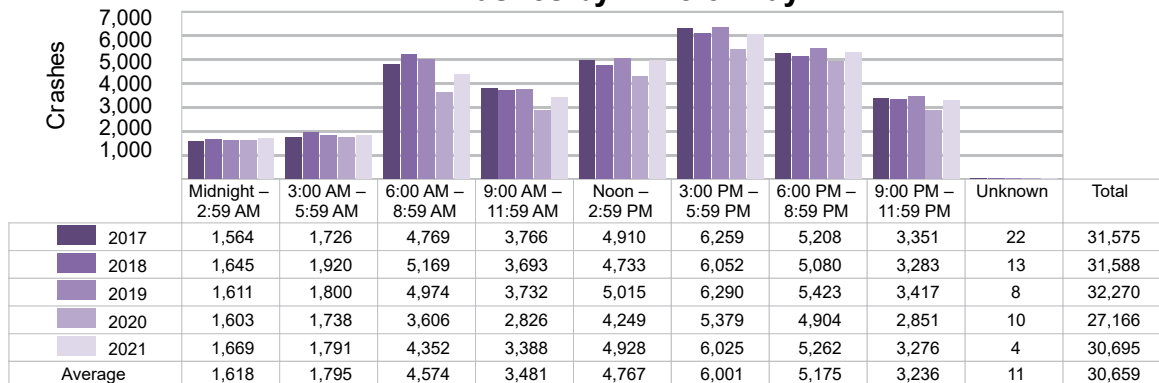


5-Year Trend - Crashes by Time of Day

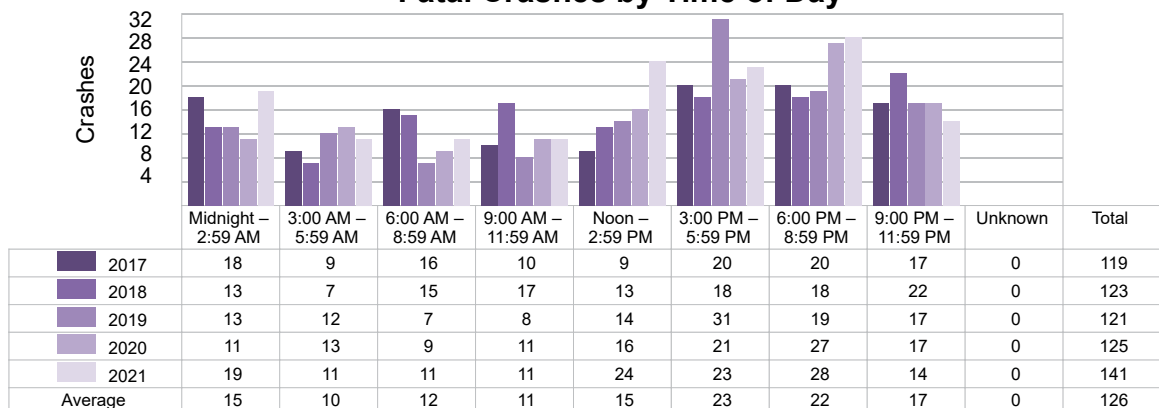
Time of Day	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight – 2:59 AM	1,564	18	1,645	13	1,611	13	1,603	11	1,669	19
3:00 AM – 5:59 AM	1,726	9	1,920	7	1,800	12	1,738	13	1,791	11
6:00 AM – 8:59 AM	4,769	16	5,169	15	4,974	7	3,606	9	4,352	11
9:00 AM – 11:59 AM	3,766	10	3,693	17	3,732	8	2,826	11	3,388	11
Noon – 2:59 PM	4,910	9	4,733	13	5,015	14	4,249	16	4,928	24
3:00 PM – 5:59 PM	6,259 †	20	6,052 †	18	6,290 †	31	5,379 †	21	6,025 †	23
6:00 PM – 8:59 PM	5,208	20	5,080	18	5,423	19	4,904	27	5,262	28
9:00 PM – 11:59 PM	3,351	17	3,283	22	3,417	17	2,851	17	3,276	14
Unknown	22	0	13	0	8	0	10	0	4	0
Total	31,575	119	31,588	123	32,270	121	27,166	125	30,695	141

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

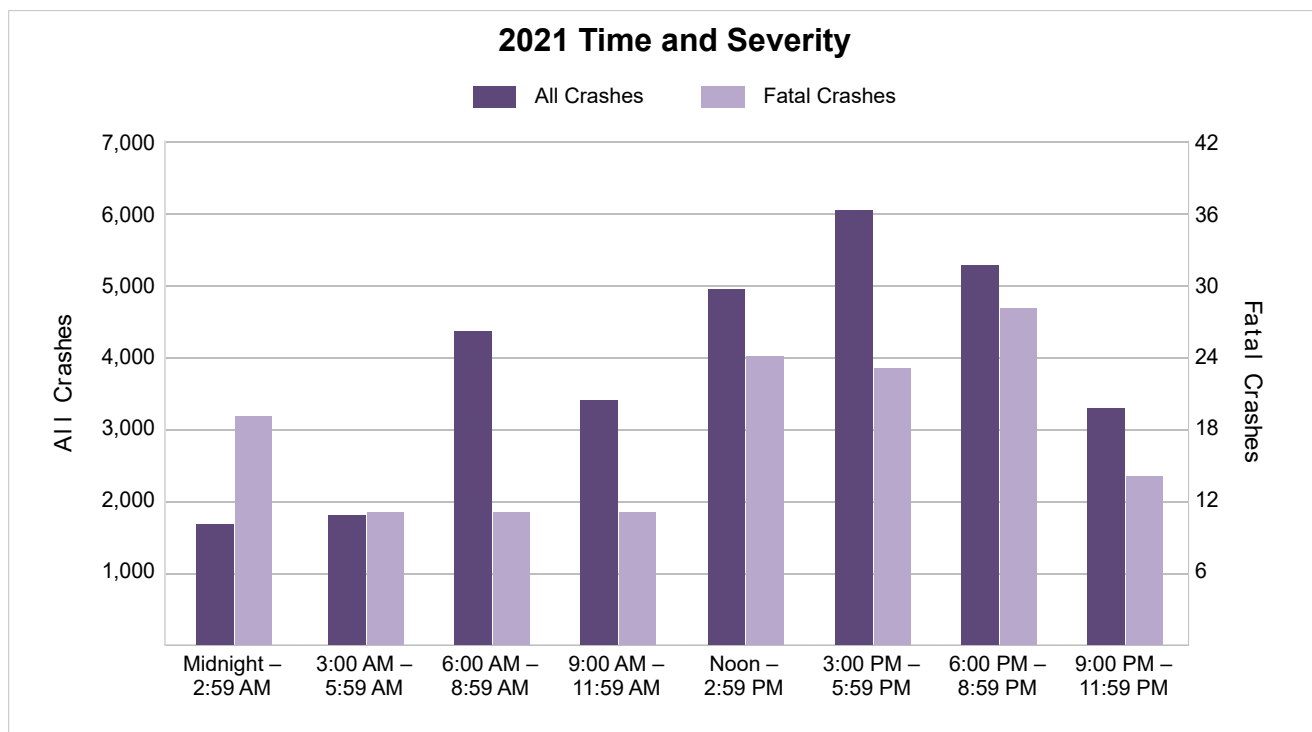


5-Year Trend Fatal Crashes by Time of Day



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	1,669	5.4	19	13.5	38	110	175	1,327
3:00 AM – 5:59 AM	1,791	5.8	11	7.8	27	71	114	1,568
6:00 AM – 8:59 AM	4,352	14.2	11	7.8	50	128	319	3,844
9:00 AM – 11:59 AM	3,388	11.0	11	7.8	50	183	407	2,737
Noon – 2:59 PM	4,928	16.1	24	17.0	81	286	716	3,821
3:00 PM – 5:59 PM	6,025	19.6	23	16.3	129	387	787	4,699
6:00 PM – 8:59 PM	5,262	17.1	28	19.9	119	239	469	4,407
9:00 PM – 11:59 PM	3,276	10.7	14	9.9	77	158	273	2,754
Unknown	4	0.0	0	0.0	0	0	0	4
Total	30,695	100.0	141	100.0	571	1,562	3,260	25,161

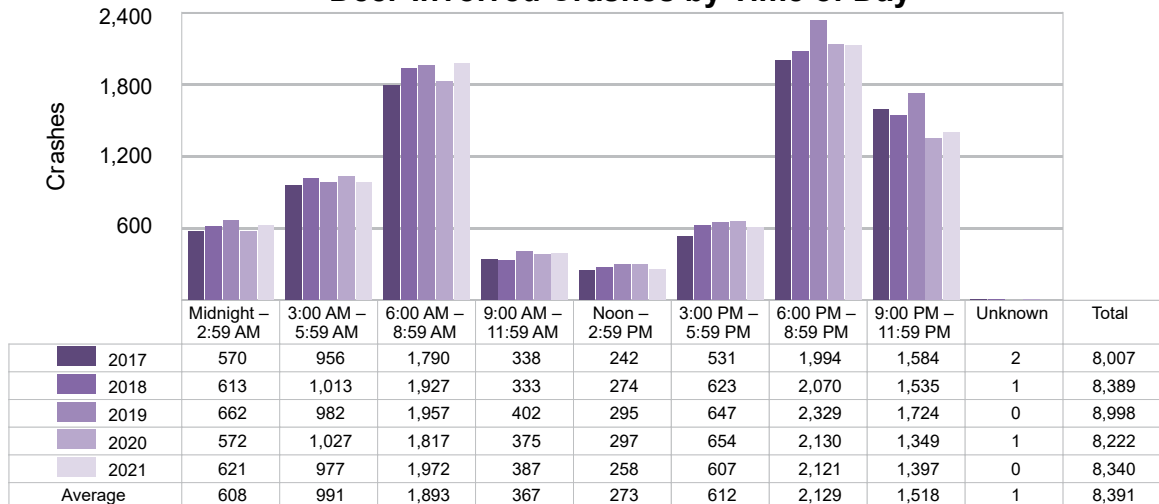


5-Year Trend - Deer-Involved Crashes by Time of Day

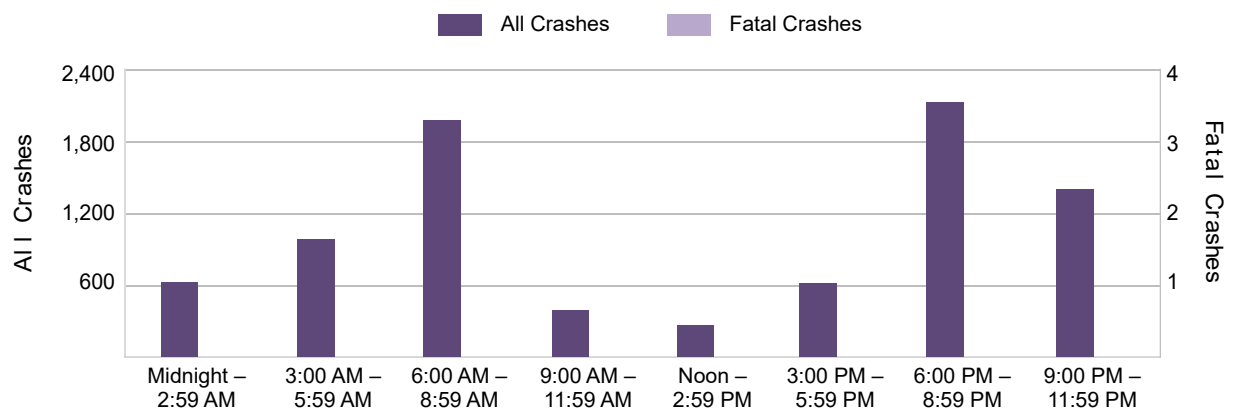
Time of Day	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight – 2:59 AM	570	2	613	0	662	0	572	0	621	0
3:00 AM – 5:59 AM	956	0	1,013	0	982	0	1,027	0	977	0
6:00 AM – 8:59 AM	1,790	0	1,927	0	1,957	0	1,817	0	1,972	0
9:00 AM – 11:59 AM	338	0	333	0	402	0	375	0	387	0
Noon – 2:59 PM	242	0	274	0	295	0	297	0	258	0
3:00 PM – 5:59 PM	531	1	623	0	647	0	654	0	607	0
6:00 PM – 8:59 PM	1,994 †	0	2,070 †	1	2,329 †	3	2,130 †	0	2,121 †	0
9:00 PM – 11:59 PM	1,584	0	1,535	0	1,724	1	1,349	1	1,397	0
Unknown	2	0	1	0	0	0	1	0	0	0
Total	8,007	3	8,389	1	8,998	4	8,222	1	8,340	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

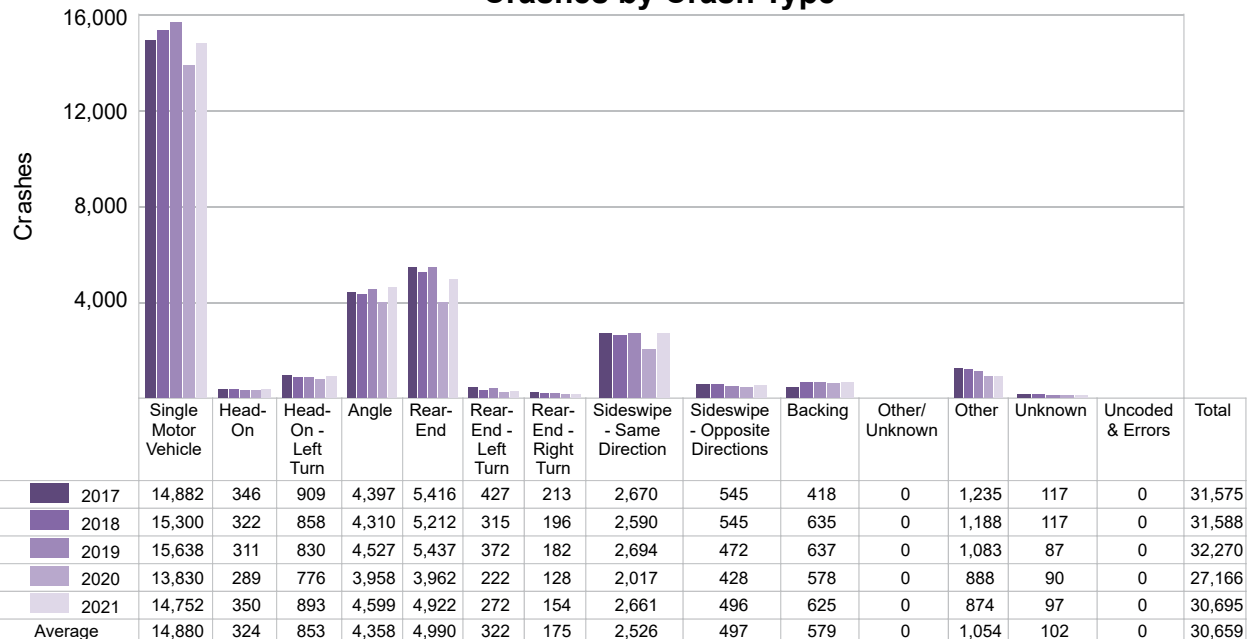


There were no fatal deer-involved crashes in TSN Saginaw Valley in 2021.

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	14,882	58	15,300	52	15,638	56	13,830	73	14,752	69
Head-On	346	9	322	14	311	24	289	11	350	14
Head-On - Left Turn	909	6	858	6	830	4	776	4	893	9
Angle	4,397	22	4,310	22	4,527	22	3,958	18	4,599	23
Rear-End	5,416	12	5,212	14	5,437	6	3,962	6	4,922	13
Rear-End - Left Turn	427	1	315	0	372	0	222	0	272	0
Rear-End - Right Turn	213	0	196	0	182	0	128	1	154	0
Sideswipe - Same Direction	2,670	0	2,590	3	2,694	2	2,017	2	2,661	2
Sideswipe - Opposite Directions	545	1	545	2	472	1	428	2	496	2
Backing	418	0	635	0	637	0	578	0	625	0
Other/Unknown	0	0	0	0	0	0	0	0	0	0
Other	1,235	9	1,188	10	1,083	5	888	7	874	9
Unknown	117	1	117	0	87	1	90	1	97	0
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0
Total	31,575	119	31,588	123	32,270	121	27,166	125	30,695	141

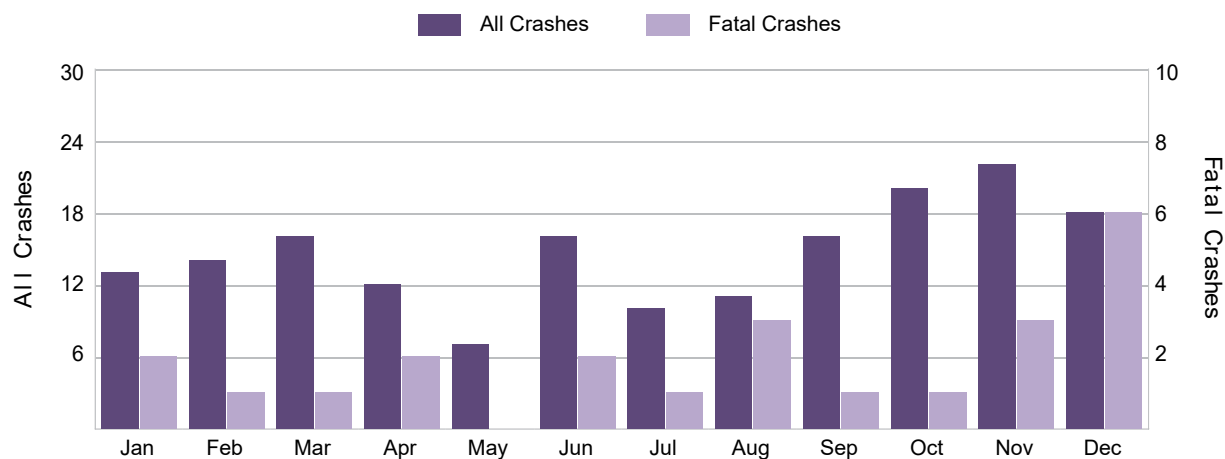
5-Year Trend Crashes by Crash Type



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	17	1	13	3	12	1	6	0	13	2
February	22	2	13	2	15	3	9	1	14	1
March	11	0	14	2	15	1	3	0	16	1
April	11	0	6	1	7	1	0	0	12	2
May	16	1	12	1	13	1	6	3	7	0
June	16	3	16	1	13	0	19	3	16	2
July	12	1	11	1	19	0	18	1	10	1
August	16	1	10	3	21	4	19	3	11	3
September	20	2	16	1	23	2	16	4	16	1
October	17	2	19	1	23	2	15	3	20	1
November	21	2	16	0	21	2	25	4	22	3
December	20	2	23	3	17	2	17	2	18	6
Total	199	17	169	19	199	19	153	24	175	23

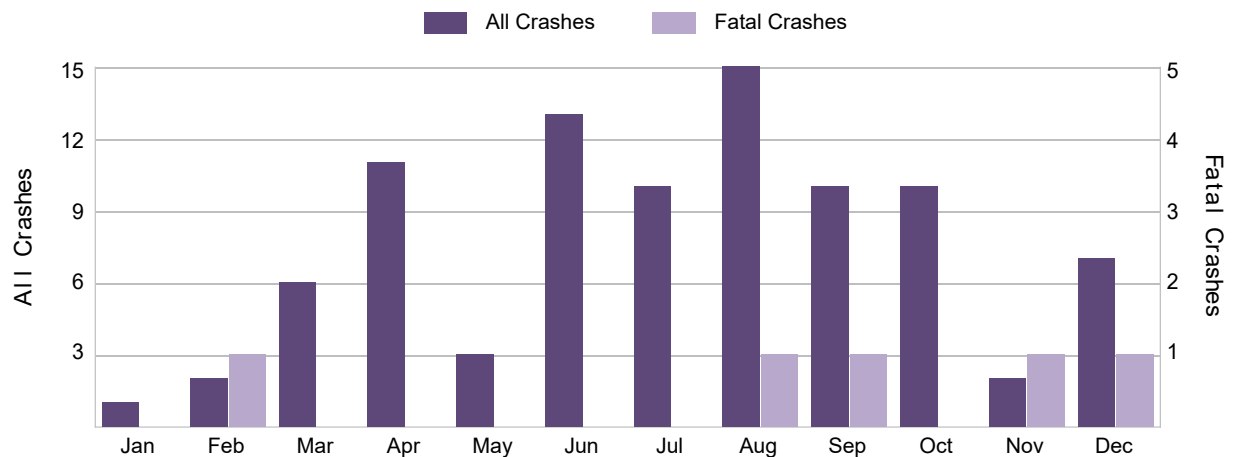
2021 Pedestrian-Involved Crashes by Month



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	3	0	5	0	1	0	2	0	1	0
February	4	0	1	1	0	0	1	0	2	1
March	4	1	0	0	3	0	3	0	6	0
April	7	0	3	0	9	0	3	0	11	0
May	13	0	8	0	14	0	7	0	3	0
June	20	1	10	0	13	0	15	1	13	0
July	19	0	12	0	15	0	15	0	10	0
August	18	1	20	0	22	1	15	1	15	1
September	19	0	21	2	12	0	13	0	10	1
October	9	0	5	0	12	0	5	0	10	0
November	8	0	2	0	1	0	7	0	2	1
December	2	0	5	0	4	0	4	1	7	1
Total	126	3	92	3	106	1	90	3	90	5

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
Arenac	711	4	90	617	94	163	78	376	32	20	384	0	0
Bay	2,938	13	504	2,421	250	154	984	1,544	123	20	578	27	11
Genesee	10,601	59	2,301	8,241	1,188	410	1,505	7,477	365	156	1,254	65	27
Gladwin	710	2	80	628	0	0	279	425	33	6	396	9	1
Gratiot	1,606	5	158	1,443	0	408	282	913	26	15	931	6	3
Iosco	610	4	125	481	0	166	147	295	29	9	256	2	3
Lapeer	2,841	16	415	2,410	180	0	874	1,786	89	38	1,355	6	5
Midland	2,353	8	316	2,029	0	342	397	1,612	70	20	864	8	8
Ogemaw	791	7	104	680	137	0	234	413	21	3	395	1	1
Saginaw	5,428	18	1,017	4,393	514	0	1,940	2,951	219	69	941	38	22
Shiawassee	2,106	5	283	1,818	234	0	681	1,190	79	28	986	13	9
Total	30,695	141	5,393	25,161	2,597	1,643	7,401	18,982	1,086	384	8,340	175	90

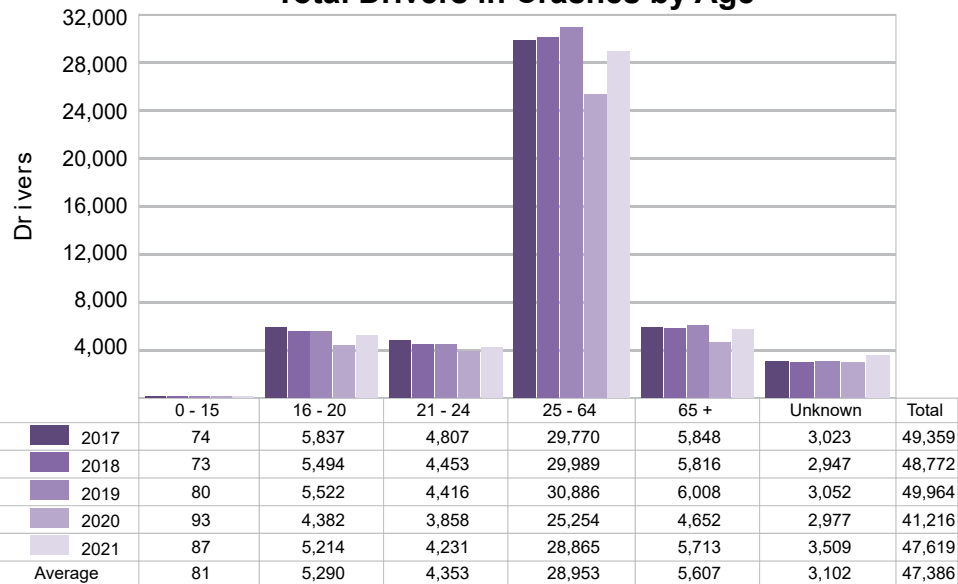
2021 - People in Reported Motor Vehicle Crashes by County

County	People					
	Fatalities	Suspected Serious Injuries	Suspected Minor Injuries	Possible Injuries	No Injuries	Uncoded & Errors
Arenac	4	45	49	99	849	15
Bay	13	134	311	793	4,612	448
Genesee	60	465	1,520	3,810	16,908	1,997
Gladwin	2	36	64	47	904	22
Gratiot	5	61	135	173	2,244	57
Iosco	5	41	62	148	778	25
Lapeer	16	114	371	429	3,966	111
Midland	10	79	240	364	3,164	143
Ogemaw	7	43	52	126	1,095	16
Saginaw	18	244	697	1,758	9,060	659
Shiawassee	6	111	201	347	2,878	111
Total	146	1,373	3,702	8,094	46,458	3,604

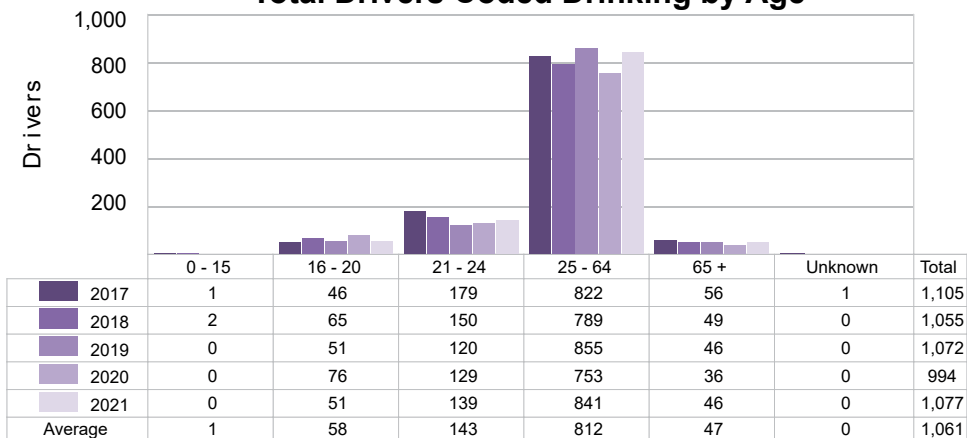
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	74	1	73	2	80	0	93	0	87	0
16 - 20	5,837	46	5,494	65	5,522	51	4,382	76	5,214	51
21 - 24	4,807	179	4,453	150	4,416	120	3,858	129	4,231	139
25 - 64	29,770	822	29,989	789	30,886	855	25,254	753	28,865	841
65 +	5,848	56	5,816	49	6,008	46	4,652	36	5,713	46
Unknown	3,023	1	2,947	0	3,052	0	2,977	0	3,509	0
Total	49,359	1,105	48,772	1,055	49,964	1,072	41,216	994	47,619	1,077

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	2	0	0	0	0	0	0	0
16 - 20	92	79	45	51	0	7	21	8	15
21 - 24	175	165	115	139	0	8	28	36	67
25 - 64	1,063	906	676	841	0	42	171	227	401
65 +	79	56	36	46	0	5	13	8	20
Unknown	81	1	0	0	0	0	0	0	0
Total	1,490	1,209	872	1,077	0	62	233	279	503

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).

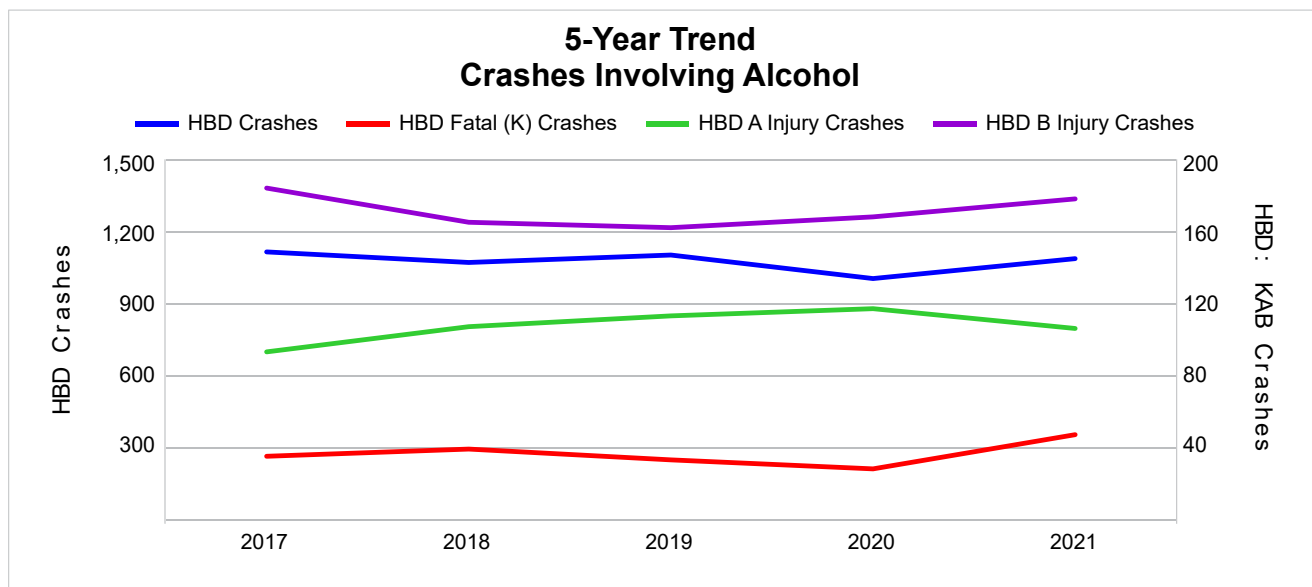
A driver may be coded by the officer as drinking even though no test is administered.

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	31,575	1,114	3.5	119	35	29.4	527	93	17.6	1,552	184	11.9
2018	31,588	1,070	3.4	123	39	31.7	489	107	21.9	1,462	165	11.3
2019	32,270	1,101	3.4	121	33	27.3	568	113	19.9	1,477	162	11.0
2020	27,166	1,003	3.7	125	28	22.4	548	117	21.4	1,379	168	12.2
2021	30,695	1,086	3.5	141 **	47 **	33.3 **	571 **	106	18.6	1,562 **	178	11.4

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.



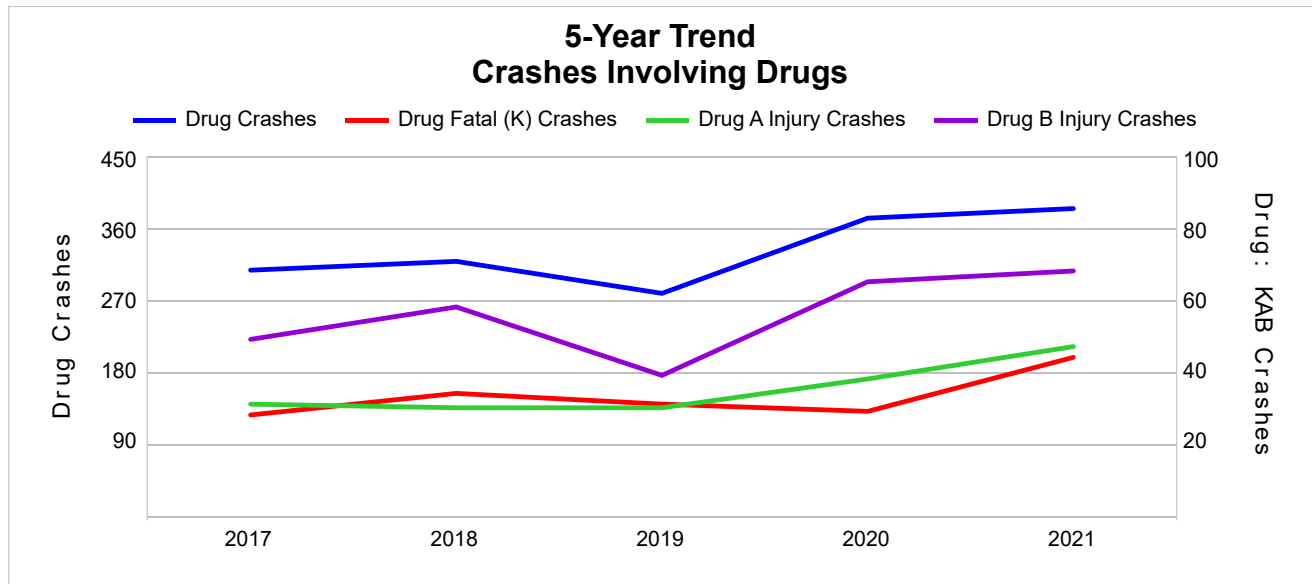
Note: Had-Been-Drinking (HBD)

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	31,575	307	1.0	119	28	23.5	527	31	5.9	1,552	49	3.2
2018	31,588	318	1.0	123	34	27.6	489	30	6.1	1,462	58	4.0
2019	32,270	278	0.9	121	31	25.6	568	30	5.3	1,477	39	2.6
2020	27,166	372	1.4	125	29	23.2	548	38	6.9	1,379	65	4.7
2021	30,695	384 **	1.3	141 **	44 **	31.2 **	571 **	47 **	8.2 **	1,562 **	68 **	4.4

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.

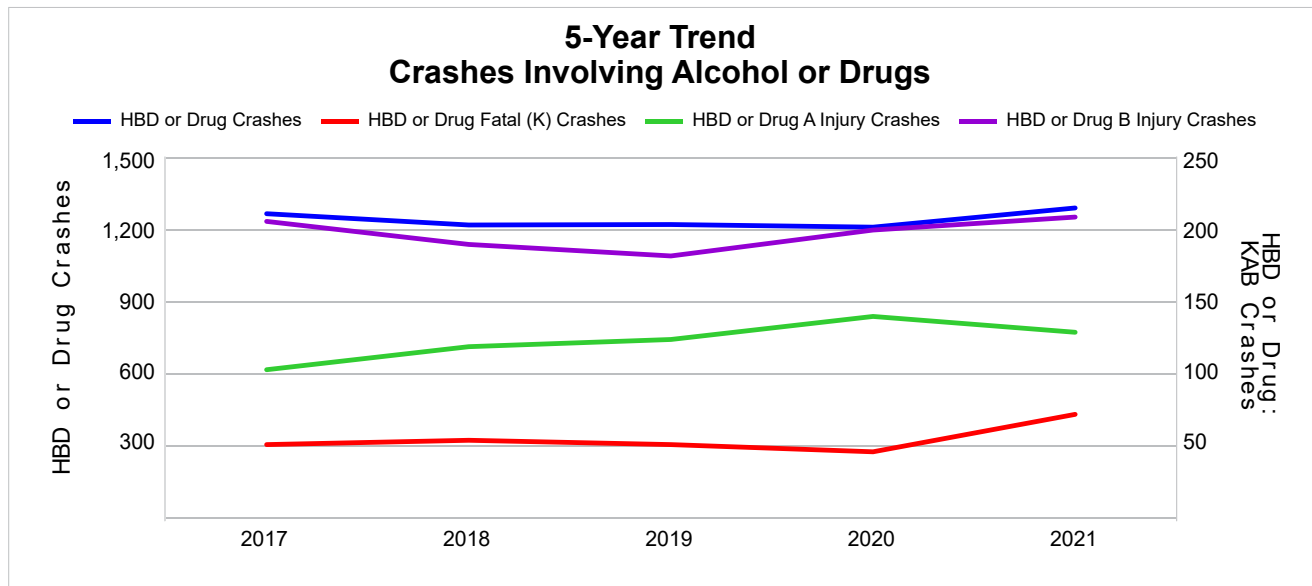


5-Year Trend - Crashes Involving Alcohol or Drugs

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	31,575	1,262	4.0	119	50	42.0	527	102	19.4	1,552	205	13.2
2018	31,588	1,215	3.8	123	53	43.1	489	118	24.1	1,462	189	12.9
2019	32,270	1,217	3.8	121	50	41.3	568	123	21.7	1,477	181	12.3
2020	27,166	1,206	4.4	125	45	36.0	548	139	25.4	1,379	199	14.4
2021	30,695	1,286 **	4.2	141 **	71 **	50.4 **	571 **	128	22.4	1,562 **	208 **	13.3

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	38,180	34,618	90.7	67	28	41.8	431	319	74.0	1,435	1,252	87.2	4,026	3,766	93.5	30,097	29,253	97.2
Motor Home	74	68	91.9	0	0	0.0	0	0	0.0	4	4	100.0	10	9	90.0	56	55	98.2
Pickup Truck	8,144	7,418	91.1	19	9	47.4	82	50	61.0	254	223	87.8	545	504	92.5	6,795	6,632	97.6
Small Truck Under 10,000 lbs. GVWR	199	175	87.9	0	0	0.0	3	3	100.0	3	2	66.7	7	7	100.0	168	163	97.0
Motorcycle	412	227	55.1	25	9	36.0	102	51	50.0	135	81	60.0	64	34	53.1	76	52	68.4
Moped/Goped	51	14	27.5	0	0	0.0	9	5	55.6	17	1	5.9	17	6	35.3	6	2	33.3
Go-Cart/Golf Cart	11	3	27.3	0	0	0.0	0	0	0.0	6	1	16.7	2	2	100.0	3	0	0.0
Snowmobile	6	5	83.3	2	2	100.0	2	1	50.0	0	0	0.0	0	0	0.0	2	2	100.0
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	50	19	38.0	2	0	0.0	8	2	25.0	19	7	36.8	2	0	0.0	18	10	55.6
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	171	105	61.4	0	0	0.0	3	1	33.3	2	1	50.0	6	4	66.7	132	99	75.0
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	1,224	1,129	92.2	3	2	66.7	5	4	80.0	23	17	73.9	60	44	73.3	1,085	1,062	97.9
Uncoded & Errors	915	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	49,437	43,781	88.6	118	50	42.4	645	436	67.6	1,898	1,589	83.7	4,739	4,376	92.3	38,438	37,330	97.1

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	532	475	89.3	3	2	66.7	24	20	83.3	112	94	83.9	326	301	92.3	64	58	90.6
16 - 20	5,487	5,264	95.9	9	4	44.4	68	50	73.5	252	211	83.7	574	523	91.1	4,576	4,476	97.8
21 - 24	4,395	4,124	93.8	11	3	27.3	74	48	64.9	197	150	76.1	477	418	87.6	3,622	3,505	96.8
25 - 64	29,597	28,161	95.1	79	28	35.4	400	251	62.7	1,081	895	82.8	2,731	2,524	92.4	25,236	24,463	96.9
65 +	5,917	5,756	97.3	16	13	81.3	79	67	84.8	255	239	93.7	631	610	96.7	4,930	4,827	97.9
Unknown	3,509	1	0.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	10	1	10.0
Total	49,437	43,781	88.6	118	50	42.4	645	436	67.6	1,898	1,589	83.7	4,739	4,376	92.3	38,438	37,330	97.1

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	106	0	24	98	1	20	79	0	9	98	1	21	121	0	25
Shoulder Belt Only Used	246	0	35	205	1	24	275	0	43	167	0	19	211	0	29
Lap Belt Only Used	165	0	17	155	0	24	132	0	18	90	0	9	120	0	16
Both Lap & Shoulder Belt Used	44,095	35	5,108	43,665	36	4,957	44,697	42	5,046	35,964	18	4,012	41,668	30	4,656
No Belts Used	403	24	175	391	24	181	356	21	161	398	30	199	425	21	229
Child Restraint Used - Forward Facing	0	0	0	3	0	1	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	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint Failure	20	0	5	10	0	2	16	0	2	9	0	1	4	0	2
Restraint Use Unknown	3,853	7	170	3,790	12	158	3,992	8	181	3,990	11	193	4,584	18	211
Helmet Worn	215	7	156	205	8	152	189	4	139	232	11	171	233	11	162
Helmet Not Worn	118	10	92	122	3	94	157	6	117	195	10	147	179	11	139
Helmet Use Unknown	10	0	5	12	0	8	22	2	13	30	2	18	25	5	17
Uncoded & Errors	123	0	0	116	0	1	49	0	0	43	0	0	49	0	0
Total	49,359	83	5,787	48,772	85	5,622	49,964	83	5,729	41,216	83	4,790	47,619	96	5,486

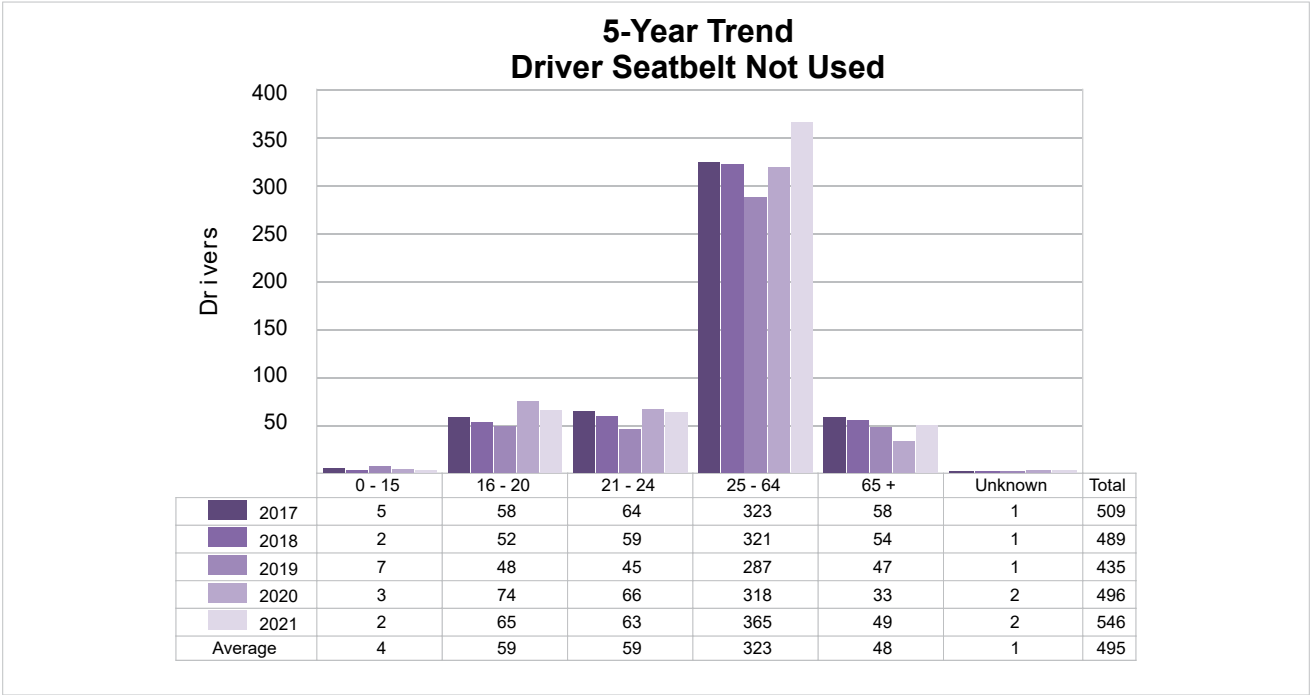
5-Year Trend - Restraint Use Among Drivers Coded Drinking

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	4	0	2	6	1	1	1	0	0	3	0	1	6	0	4
Shoulder Belt Only Used	7	0	3	4	0	0	8	0	2	6	0	1	5	0	0
Lap Belt Only Used	5	0	2	1	0	1	3	0	2	4	0	0	3	0	2
Both Lap & Shoulder Belt Used	767	4	232	753	9	238	777	6	230	656	0	204	760	9	244
No Belts Used	88	10	56	93	10	62	79	8	51	95	11	62	85	6	54
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	3	0	1	1	0	1	0	0	0
Restraint Use Unknown	194	3	52	172	3	55	175	3	56	179	0	59	167	5	43
Helmet Worn	11	0	10	10	0	8	2	0	2	14	3	9	12	1	9
Helmet Not Worn	28	6	20	15	0	12	23	2	17	35	5	28	35	5	28
Helmet Use Unknown	0	0	0	1	0	1	1	0	0	1	0	1	4	2	2
Uncoded & Errors	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,105	23	377	1,055	23	378	1,072	19	361	994	19	366	1,077	28	386

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	5	0	2	2	0	2	7	0	2	3	0	0	2	0	1
16 - 20	58	0	29	52	2	20	48	1	30	74	5	41	65	3	34
21 - 24	64	4	36	59	3	36	45	3	24	66	11	29	63	5	37
25 - 64	323	14	115	321	15	129	287	15	99	318	7	134	365	12	163
65 +	58	6	17	54	5	14	47	2	15	33	8	16	49	1	19
Unknown	1	0	0	1	0	0	1	0	0	2	0	0	2	0	0
Total	509	24	199	489	25	201	435	21	170	496	31	220	546	21	254

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

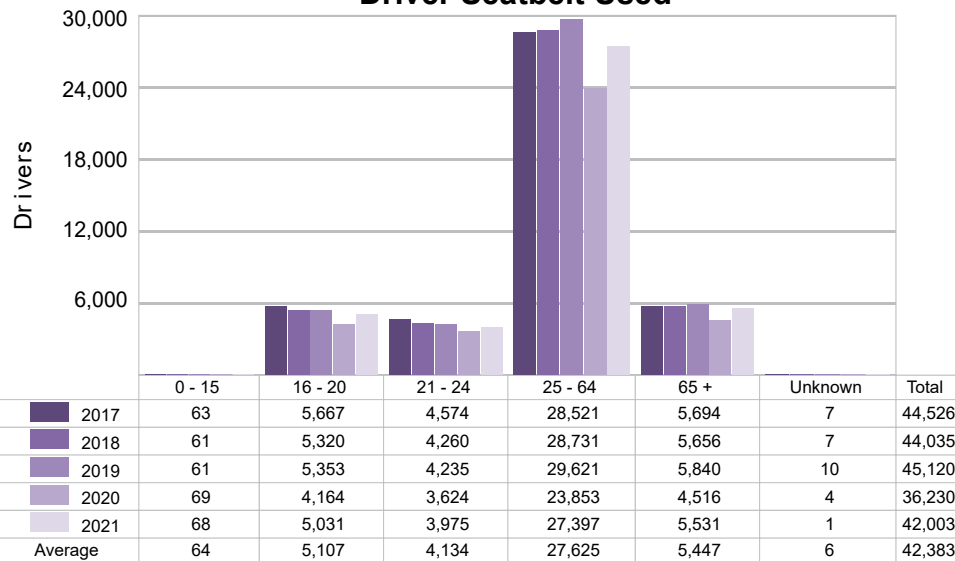


5-Year Trend - Seatbelt Used Among Drivers by Age

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	63	0	11	61	0	9	61	0	9	69	0	9	68	0	12
16 - 20	5,667	2	655	5,320	4	606	5,353	3	667	4,164	1	460	5,031	3	553
21 - 24	4,574	4	568	4,260	1	486	4,235	1	473	3,624	0	413	3,975	2	474
25 - 64	28,521	16	3,196	28,731	23	3,179	29,621	25	3,182	23,853	9	2,571	27,397	17	2,965
65 +	5,694	13	735	5,656	9	727	5,840	13	775	4,516	8	588	5,531	8	699
Unknown	7	0	0	7	0	0	10	0	3	4	0	0	1	0	0
Total	44,526	35	5,165	44,035	37	5,007	45,120	42	5,109	36,230	18	4,041	42,003	30	4,703

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	26,490	78	26,264	92	27,511	86	22,859	68	25,788	78
Speed Too Fast	3,577	16	4,139	23	3,616	18	2,621	28	3,157	29
Speed Too Slow	43	0	40	0	19	0	24	0	22	0
Failed to Yield	4,551	17	4,327	14	4,365	12	3,761	15	4,524	16
Disregard Traffic Control	1,116	11	1,172	13	1,164	8	1,169	3	1,352	6
Drove Wrong Way	32	1	39	2	28	0	23	2	36	1
Drove Left of Center	265	7	283	8	245	12	229	5	322	10
Improper Passing	266	1	224	2	264	3	229	0	279	0
Improper Lane Use	904	1	969	0	1,018	1	725	3	996	1
Improper Turn	554	1	499	0	556	1	443	2	483	0
Improper/No Signal	50	0	32	0	45	0	31	0	24	0
Improper Backing	653	0	709	0	691	0	562	0	596	0
Unable to Stop in Assured Clear Distance	5,373	3	5,076	11	5,391	5	3,767	4	4,770	10
Other	1,675	10	1,622	12	1,676	9	1,492	14	1,622	12
Unknown	1,884	15	1,700	20	1,719	23	1,584	26	1,858	45
Reckless Driving	260	9	255	5	265	6	293	8	317	5
Careless/Negligent Driving	1,511	10	1,313	10	1,346	10	1,361	9	1,425	8
Uncoded & Errors	155	2	109	0	45	0	43	4	48	0
Total	49,359	182	48,772	212	49,964	194	41,216	191	47,619	221

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