



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

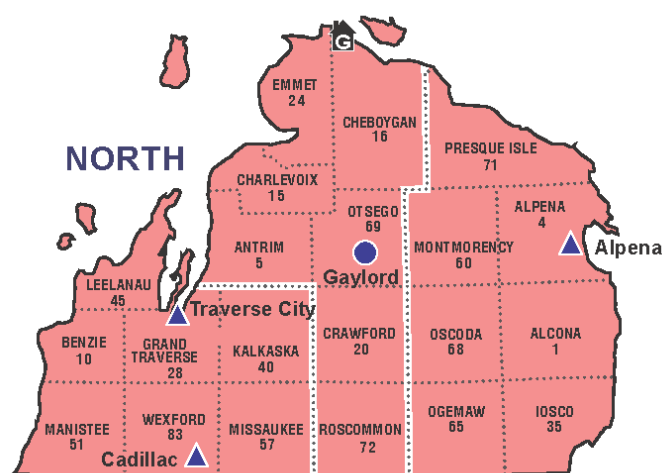
Property Damage Only (PDO)



MDOT Region - North

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

Beginning October 2015, MDOT Region - North is comprised of Alcona, Alpena, Antrim, Benzie, Charlevoix, Cheboygan, Crawford, Emmet, Grand Traverse, Iosco, Kalkaska, Leelanau, Manistee, Missaukee, Montmorency, Ogemaw, Oscoda, Otsego, Presque Isle, Roscommon 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	1,336	2	133	1,201	2	170
February	1,272	0	146	1,126	0	185
March	1,023	7	138	878	8	191
April	917	3	127	787	3	169
May	1,187	3	189	995	3	245
June	1,560	6	225	1,329	7	342
July	1,526	4	280	1,242	4	405
August	1,364	16	234	1,114	16	324
September	1,518	5	223	1,290	5	292
October	1,946	9	251	1,686	9	342
November	2,374	9	259	2,106	11	330
December	1,872	5	206	1,661	5	273
Total	17,895	69	2,411	15,415	73	3,268

2021 - Driver Statistics

Age Group	MDOT Region - North			Driver Rates	
	2019 Population*	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	82,814	2,209	53	6.4	239.9
16 - 20	25,830	21,114	2,534	981.0	1,200.2
21 - 24	19,904	19,221	1,884	946.5	980.2
25 - 64	252,390	241,558	15,136	599.7	626.6
65 +	128,991	134,274	3,832	297.1	285.4
Unknown	0	0	823	--	--
Total	509,929	418,376	24,262	475.8	579.9

*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	17,372	71.6	49	48.0	2,615	14,708
Motor Home	96	0.4	0	0.0	15	81
Pickup Truck	5,330	22.0	18	17.6	774	4,538
Small Truck Under 10,000 lbs. GVWR	141	0.6	1	1.0	12	128
Motorcycle	199	0.8	12	11.8	158	29
Moped/Goped	18	0.1	0	0.0	15	3
Go-Cart/Golf Cart	2	0.0	0	0.0	1	1
Snowmobile	38	0.2	2	2.0	21	15
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	93	0.4	2	2.0	62	29
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	84	0.3	1	1.0	9	74
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	621	2.6	16	15.7	103	502
Uncoded & Errors	268	1.1	1	1.0	11	256
Total	24,262	100.0	102	100.0	3,796	20,364

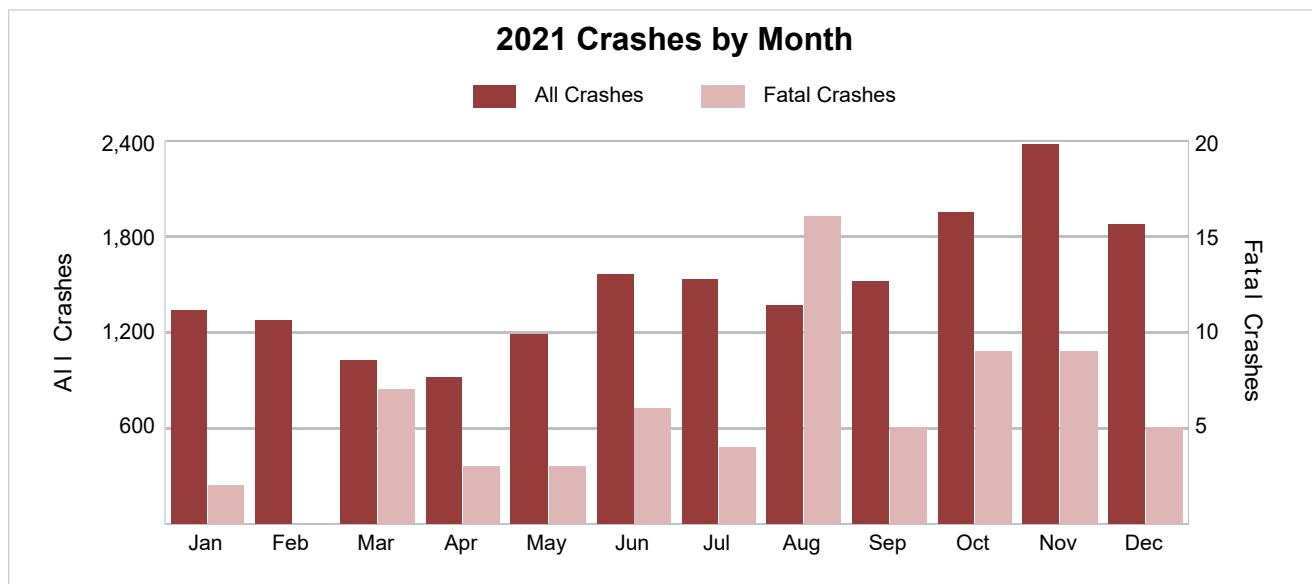
5-Year Trend - Crashes by Month

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	1,759	4	1,843	1	1,983	5	1,658	3	1,336	2
February	1,482	2	1,506	4	1,561	2	1,436	3	1,272	0
March	1,323	5	1,479	4	1,455	1	913	2	1,023	7
April	943	3	1,469	3	1,244	2	536	4	917	3
May	1,286	3	1,266	6	1,198	4	846	6	1,187	3
June	1,491	5	1,622	7	1,616	8	1,443	10	1,560	6
July	1,557	9	1,603	4	1,551	8	1,381	9	1,526	4
August	1,467	4	1,390	3	1,418	5	1,241	8	1,364	16
September	1,621	8	1,292	5	1,288	7	1,278	6	1,518	5
October	2,014	5	1,782	8	1,807	8	1,830	5	1,946	9
November	2,353	5	2,576	7	2,498	5	1,960	7	2,374	9
December	2,524	6	2,091	3	2,108	7	1,449	3	1,872	5
Total	19,820	59	19,919	55	19,727	62	15,971	66	17,895	69

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	2,740	8	2,859	9	2,818	7	2,261	9	2,643	6
Tuesday	2,816	6	3,109	8	2,844	9	2,367	8	2,599	11
Wednesday	2,918	5	2,825	6	3,139	4	2,325	9	2,570	9
Thursday	3,054	10	2,974	6	2,989	7	2,497	6	2,693	11
Friday	3,245 †	6	3,383 †	9	3,278 †	11	2,528 †	13	2,953 †	12
Saturday	2,736	15	2,547	10	2,497	14	2,157	14	2,421	11
Sunday	2,311	9	2,222	7	2,162	10	1,836	7	2,016	9
Total	19,820	59	19,919	55	19,727	62	15,971	66	17,895	69

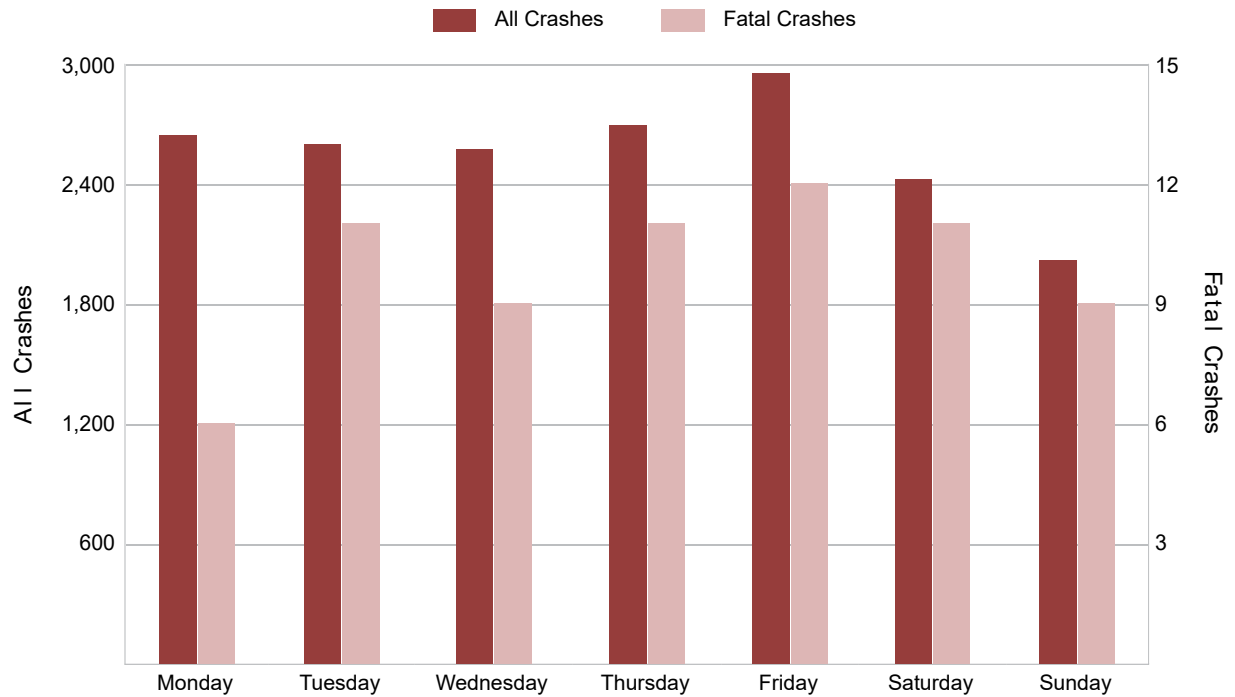
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred on the same day of the week.



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	2,643	14.8	6	8.7	43	108	200	2,286
Tuesday	2,599	14.5	11	15.9	42	114	150	2,282
Wednesday	2,570	14.4	9	13.0	39	109	176	2,237
Thursday	2,693	15.0	11	15.9	41	115	201	2,325
Friday	2,953	16.5	12	17.4	50	113	235	2,543
Saturday	2,421	13.5	11	15.9	71	106	187	2,046
Sunday	2,016	11.3	9	13.0	54	103	154	1,696
Total	17,895	100.0	69	100.0	340	768	1,303	15,415

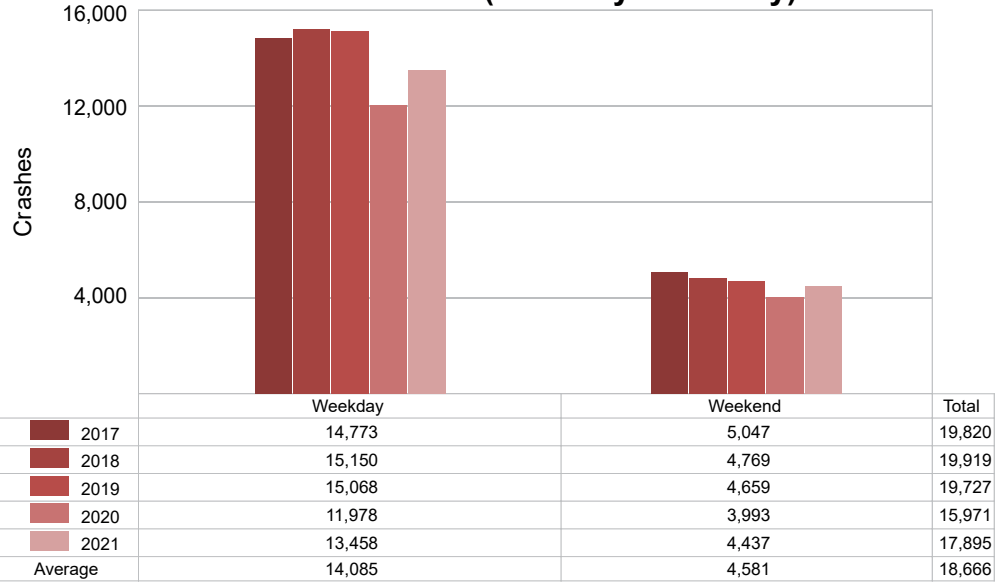
2021 Day of Week and Severity



5-Year Trend - Crashes by Weekday and Weekend

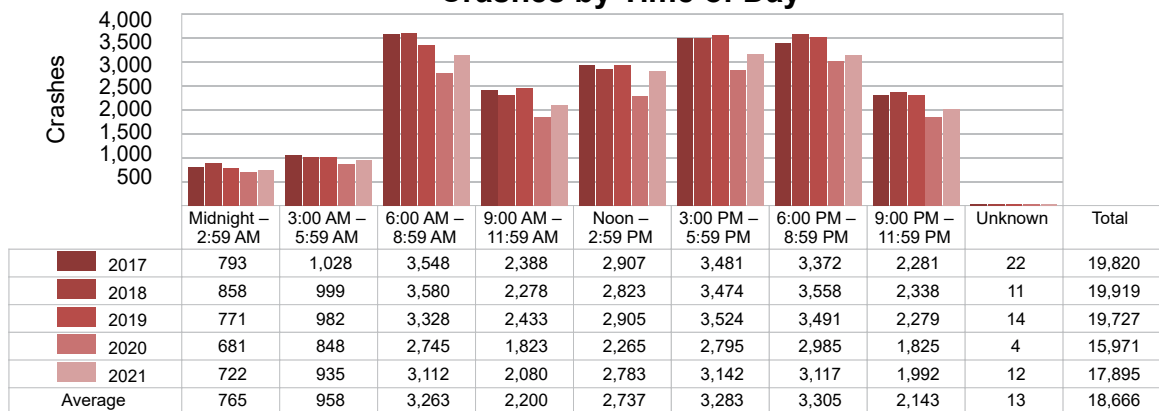
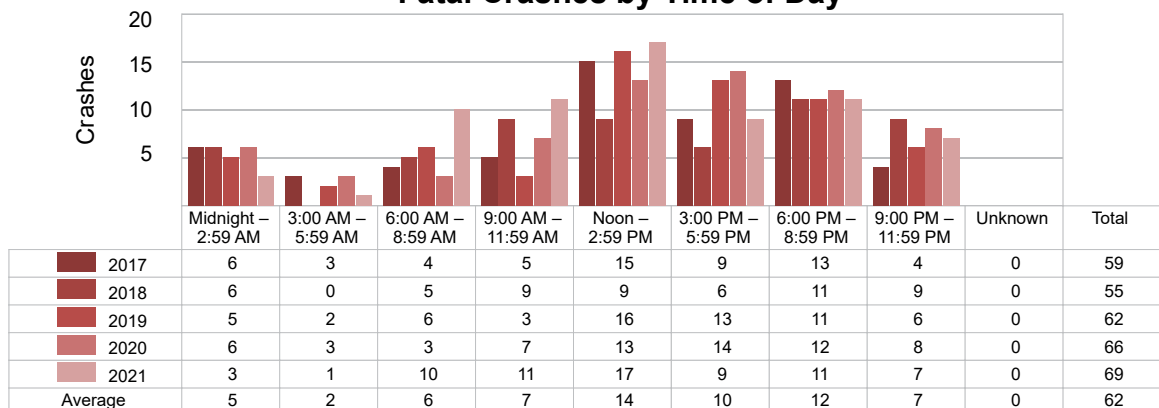
Portion of Week	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	14,773	35	15,150	38	15,068	38	11,978	45	13,458	49
Weekend	5,047	24	4,769	17	4,659	24	3,993	21	4,437	20
Total	19,820	59	19,919	55	19,727	62	15,971	66	17,895	69

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



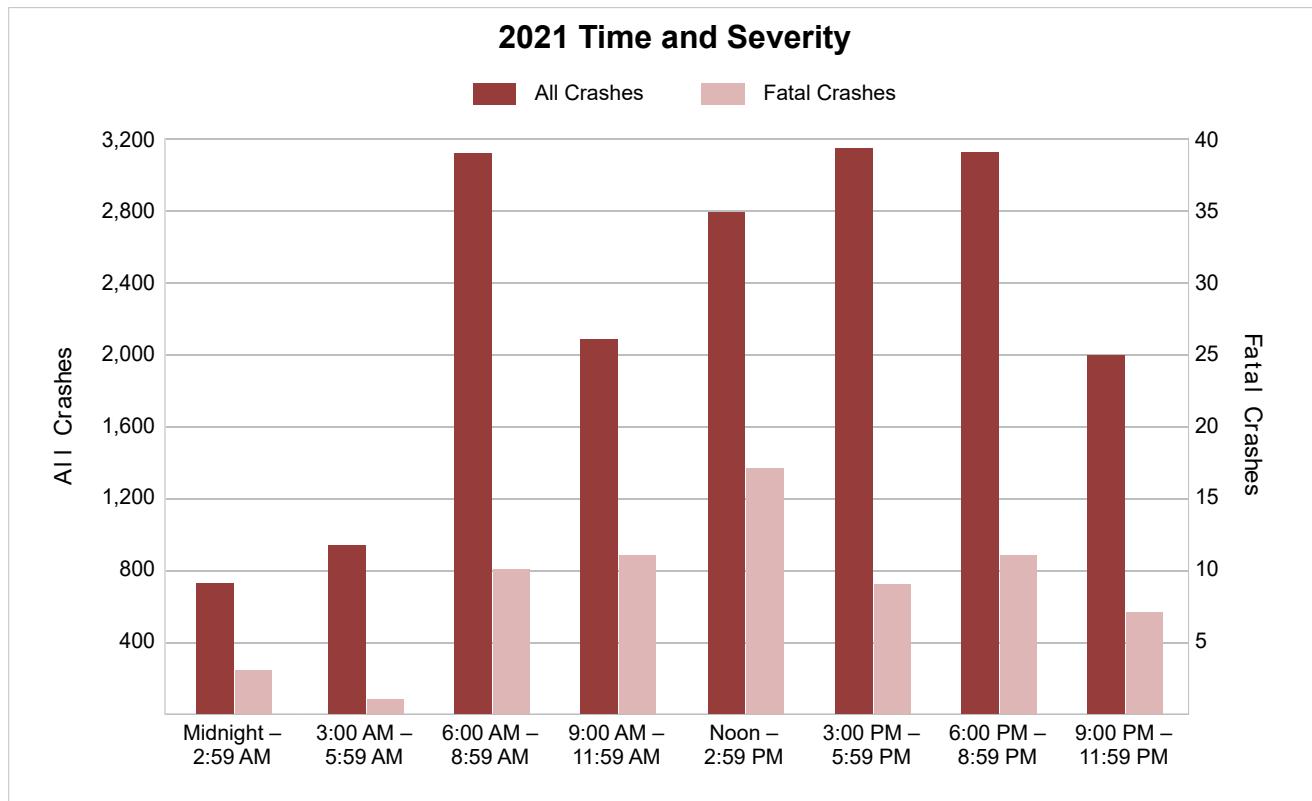
5-Year Trend - Crashes by Time of Day

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	793	6	858	6	771	5	681	6	722	3
3:00 AM – 5:59 AM	1,028	3	999	0	982	2	848	3	935	1
6:00 AM – 8:59 AM	3,548	4	3,580	5	3,328	6	2,745	3	3,112	10
9:00 AM – 11:59 AM	2,388	5	2,278	9	2,433	3	1,823	7	2,080	11
Noon – 2:59 PM	2,907	15	2,823	9	2,905	16	2,265	13	2,783	17
3:00 PM – 5:59 PM	3,481	9	3,474	6	3,524	13	2,795	14	3,142	9
6:00 PM – 8:59 PM	3,372	13	3,558	11	3,491	11	2,985	12	3,117	11
9:00 PM – 11:59 PM	2,281	4	2,338	9	2,279	6	1,825	8	1,992	7
Unknown	22	0	11	0	14	0	4	0	12	0
Total	19,820	59	19,919	55	19,727	62	15,971	66	17,895	69

5-Year Trend
Crashes by Time of Day5-Year Trend
Fatal Crashes by Time of Day

2021 - Time and Severity

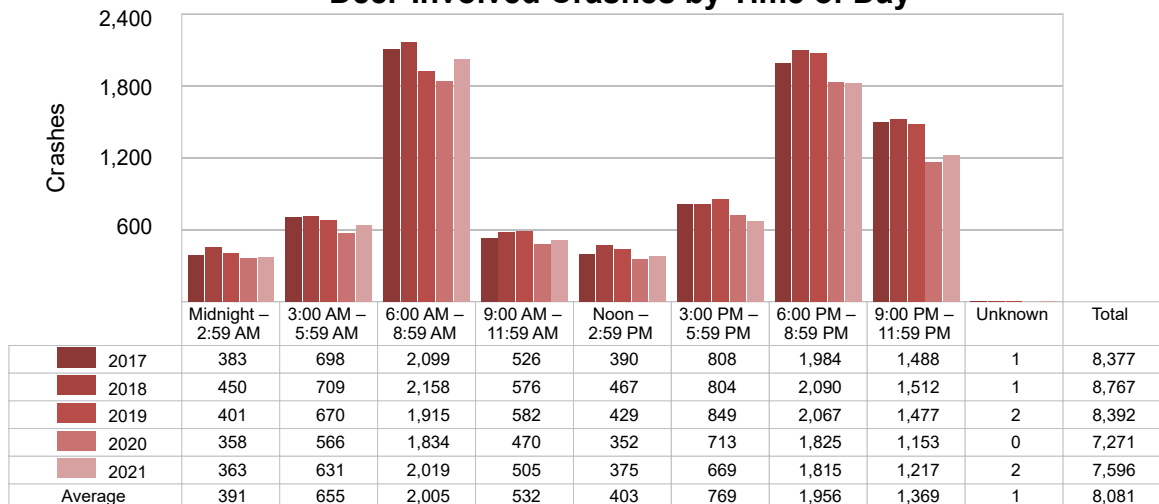
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight – 2:59 AM	722	4.0	3	4.3	19	42	49	609
3:00 AM – 5:59 AM	935	5.2	1	1.4	11	24	44	855
6:00 AM – 8:59 AM	3,112	17.4	10	14.5	22	62	124	2,894
9:00 AM – 11:59 AM	2,080	11.6	11	15.9	36	99	183	1,751
Noon – 2:59 PM	2,783	15.6	17	24.6	68	161	295	2,242
3:00 PM – 5:59 PM	3,142	17.6	9	13.0	77	182	304	2,570
6:00 PM – 8:59 PM	3,117	17.4	11	15.9	75	111	179	2,741
9:00 PM – 11:59 PM	1,992	11.1	7	10.1	32	87	125	1,741
Unknown	12	0.1	0	0.0	0	0	0	12
Total	17,895	100.0	69	100.0	340	768	1,303	15,415



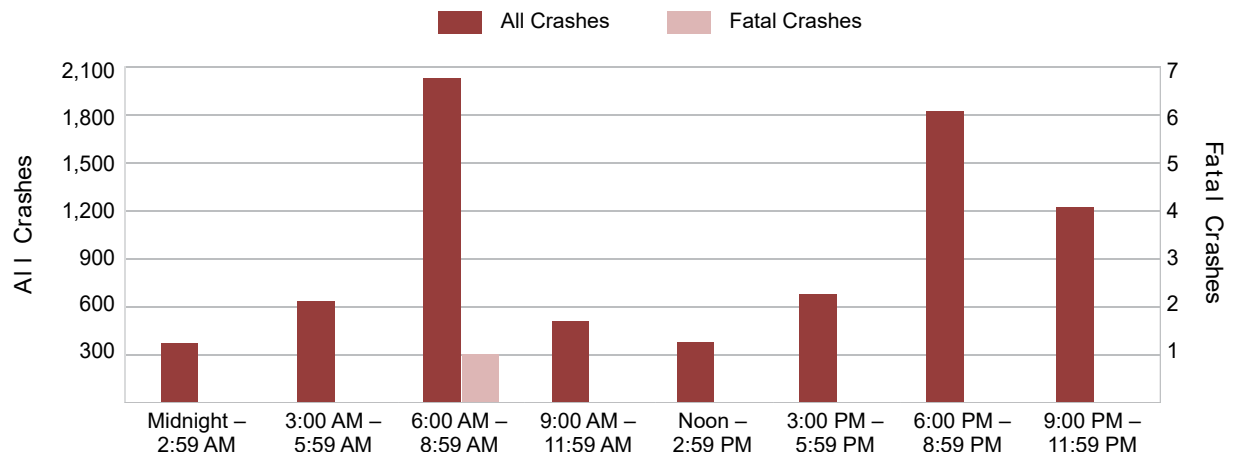
5-Year Trend - Deer-Involved Crashes by Time of Day

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	383	0	450	0	401	0	358	0	363	0
3:00 AM – 5:59 AM	698	0	709	0	670	0	566	1	631	0
6:00 AM – 8:59 AM	2,099	0	2,158	0	1,915	0	1,834	0	2,019	1
9:00 AM – 11:59 AM	526	0	576	0	582	0	470	0	505	0
Noon – 2:59 PM	390	0	467	0	429	1	352	0	375	0
3:00 PM – 5:59 PM	808	0	804	0	849	0	713	0	669	0
6:00 PM – 8:59 PM	1,984	1	2,090	3	2,067	1	1,825	0	1,815	0
9:00 PM – 11:59 PM	1,488	1	1,512	1	1,477	0	1,153	0	1,217	0
Unknown	1	0	1	0	2	0	0	0	2	0
Total	8,377	2	8,767	4	8,392	2	7,271	1	7,596	1

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

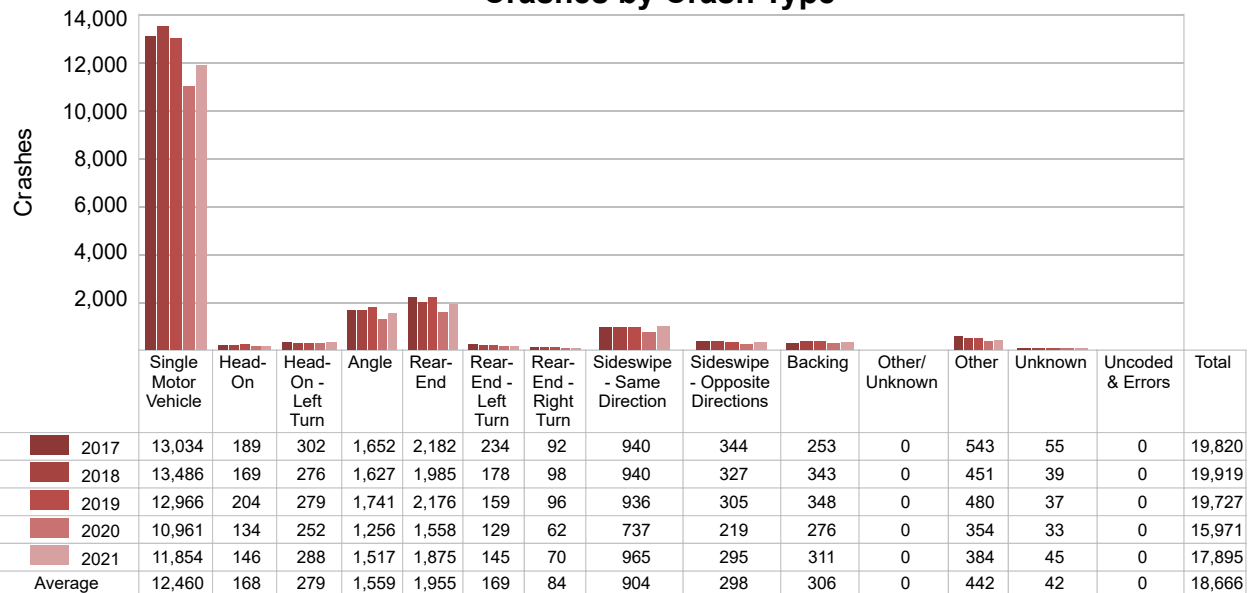


2021 Time and Severity of Deer-Involved Crashes



5-Year Trend - Crashes by Crash Type

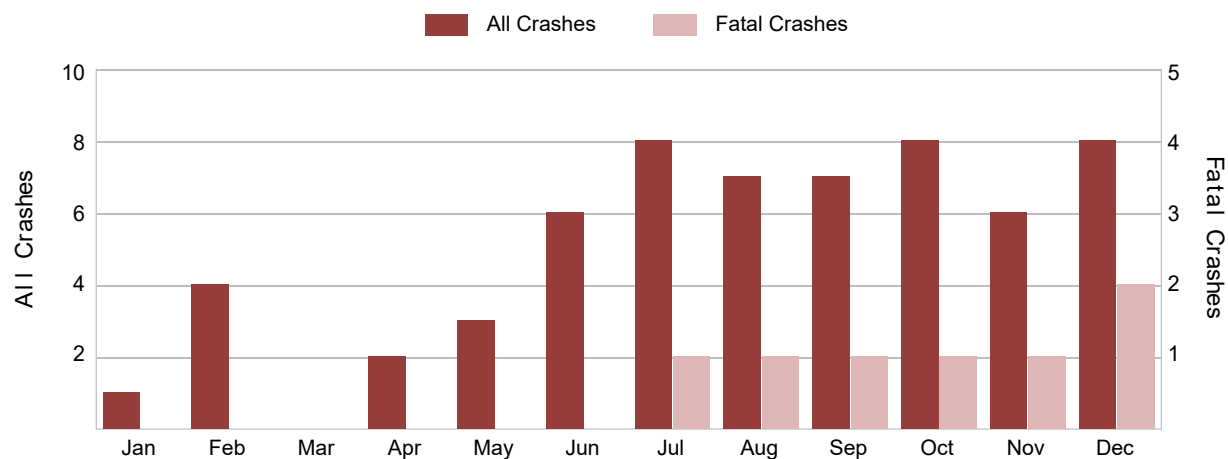
Crash Type	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Single Motor Vehicle	13,034	30	13,486	31	12,966	26	10,961	43	11,854	38
Head-On	189	9	169	8	204	11	134	8	146	12
Head-On - Left Turn	302	2	276	1	279	3	252	3	288	2
Angle	1,652	8	1,627	6	1,741	11	1,256	6	1,517	8
Rear-End	2,182	4	1,985	4	2,176	6	1,558	1	1,875	2
Rear-End - Left Turn	234	1	178	0	159	1	129	0	145	2
Rear-End - Right Turn	92	0	98	0	96	0	62	0	70	0
Sideswipe - Same Direction	940	1	940	0	936	1	737	2	965	1
Sideswipe - Opposite Directions	344	0	327	1	305	0	219	3	295	2
Backing	253	0	343	0	348	0	276	0	311	0
Other/Unknown	0	0	0	0	0	0	0	0	0	0
Other	543	4	451	4	480	3	354	0	384	1
Unknown	55	0	39	0	37	0	33	0	45	1
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0
Total	19,820	59	19,919	55	19,727	62	15,971	66	17,895	69

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	5	0	5	0	4	1	3	0	1	0
February	4	0	4	0	2	0	4	0	4	0
March	4	0	6	0	2	0	3	1	0	0
April	4	0	4	0	5	0	0	0	2	0
May	5	0	3	0	5	0	2	0	3	0
June	6	0	5	0	11	2	4	1	6	0
July	11	0	9	0	4	1	7	0	8	1
August	9	1	9	1	3	0	8	2	7	1
September	8	1	8	1	4	0	8	0	7	1
October	4	0	4	0	7	1	6	1	8	1
November	7	0	4	0	4	1	4	2	6	1
December	6	1	6	0	9	0	2	0	8	2
Total	73	3	67	2	60	6	51	7	60	7

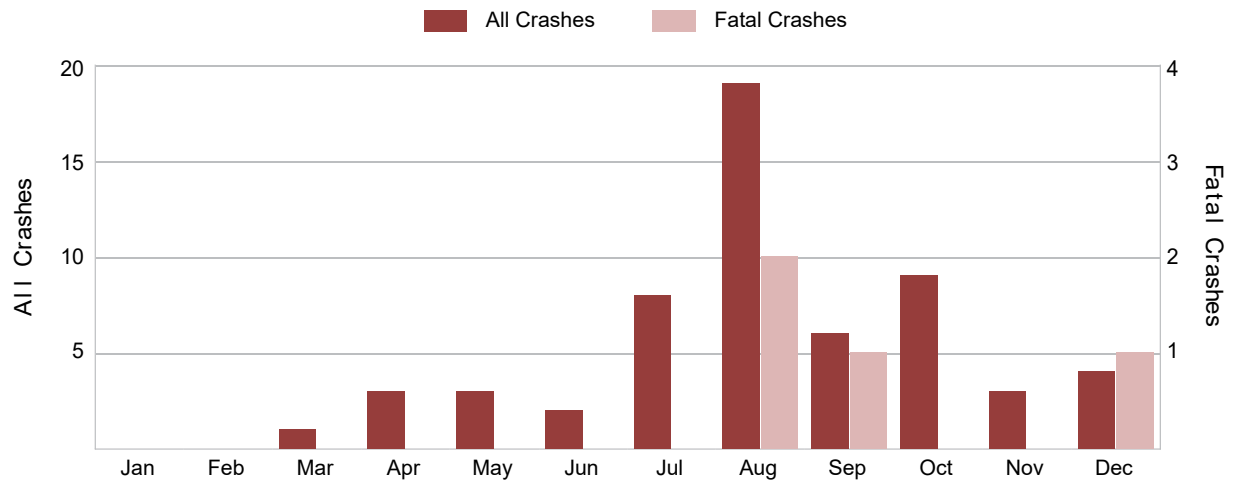
2021 Pedestrian-Involved Crashes by Month



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	2	0	1	0	0	0	0	0
March	0	0	1	0	0	0	0	0	1	0
April	4	0	1	0	4	0	1	0	3	0
May	4	0	11	0	9	0	2	0	3	0
June	12	0	10	0	11	0	6	0	2	0
July	11	0	21	0	9	0	6	0	8	0
August	9	0	14	0	17	0	11	1	19	2
September	8	1	6	0	4	0	8	0	6	1
October	7	0	3	0	7	0	1	0	9	0
November	1	0	0	0	0	0	2	0	3	0
December	2	0	1	0	0	0	2	0	4	1
Total	58	1	70	0	62	0	39	1	58	4

2021 Bicyclist-Involved Crashes by Month



2021 - Reported Motor Vehicle Crashes by County

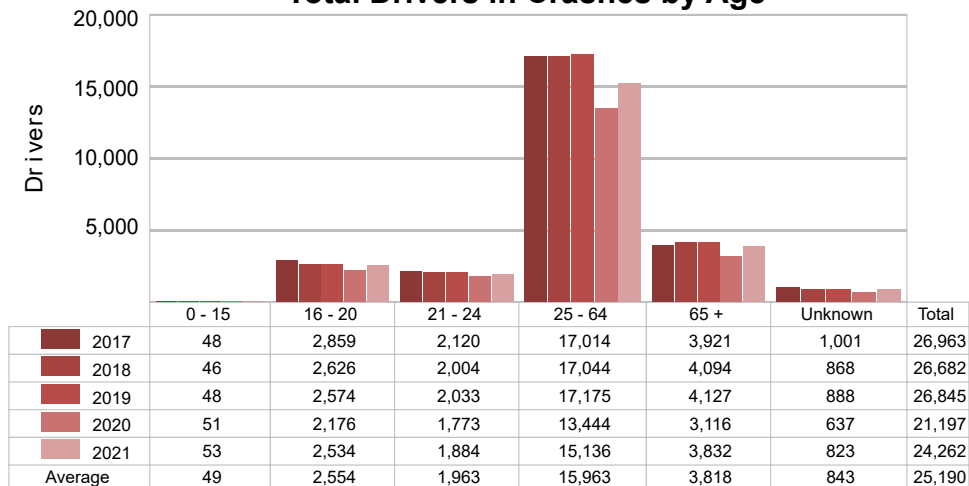
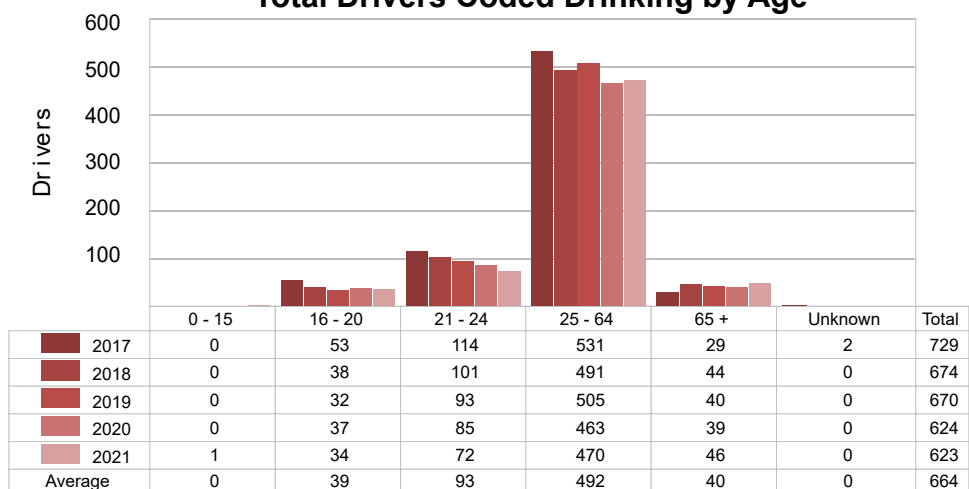
County	Crashes												
	Total	Fatal	Injury	Property Damage	Inter-State	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Pedestrian-Involved	Bicyclist-Involved
Alcona	496	0	43	453	0	78	120	298	10	3	340	0	0
Alpena	820	1	167	652	0	199	210	406	30	12	291	6	9
Antrim	805	2	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
Charlevoix	962	4	90	868	0	235	170	552	30	13	508	6	2
Cheboygan	1,051	3	113	935	207	69	238	537	32	10	563	0	3
Crawford	561	0	85	476	159	18	140	242	25	13	278	0	0
Emmet	1,237	3	161	1,073	10	432	118	669	47	22	419	0	2
Grand Traverse	3,275	15	460	2,800	0	910	426	1,931	119	45	642	15	20
Iosco	610	4	125	481	0	166	147	295	29	9	256	2	3
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
Montmorency	341	0	40	301	0	0	153	187	16	2	205	0	0
Ogemaw	791	7	104	680	137	0	234	413	21	3	395	1	1
Oscoda	209	2	28	179	0	0	118	90	8	0	113	0	0
Otsego	863	4	126	733	195	0	264	395	29	8	305	5	2
Presque Isle	549	3	34	512	0	108	172	269	16	6	418	2	0
Roscommon	696	7	125	564	97	98	209	290	25	11	290	0	4
Wexford	1,277	7	196	1,074	0	396	366	506	31	10	429	9	2
Total	17,895	69	2,411	15,415	805	3,449	4,159	9,408	627	207	7,596	60	58

2021 - People in Reported Motor Vehicle Crashes by County

County	People					
	Fatalities	Suspected Serious Injuries	Suspected Minor Injuries	Possible Injuries	No Injuries	Uncoded & Errors
Alcona	0	17	33	29	561	2
Alpena	1	34	122	227	1,188	52
Antrim	2	25	69	76	962	44
Benzie	0	12	82	83	705	25
Charlevoix	4	24	82	80	1,204	41
Cheboygan	3	23	91	94	1,229	16
Crawford	0	42	63	67	762	26
Emmet	3	47	95	222	1,714	54
Grand Traverse	16	85	315	670	4,960	249
Iosco	5	41	62	148	778	25
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
Montmorency	0	18	16	45	423	2
Ogemaw	7	43	52	126	1,095	16
Oscoda	2	5	37	27	270	4
Otsego	5	42	87	162	1,289	19
Presque Isle	3	10	17	39	669	8
Roscommon	8	56	85	150	969	28
Wexford	7	68	132	245	1,811	107
Total	73	736	1,659	2,852	24,038	844

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	48	0	46	0	48	0	51	0	53	1
16 - 20	2,859	53	2,626	38	2,574	32	2,176	37	2,534	34
21 - 24	2,120	114	2,004	101	2,033	93	1,773	85	1,884	72
25 - 64	17,014	531	17,044	491	17,175	505	13,444	463	15,136	470
65 +	3,921	29	4,094	44	4,127	40	3,116	39	3,832	46
Unknown	1,001	2	868	0	888	0	637	0	823	0
Total	26,963	729	26,682	674	26,845	670	21,197	624	24,262	623

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	2	1	1	0	0	1	0	0
16 - 20	48	57	26	34	0	9	10	2	13
21 - 24	87	77	56	72	0	6	21	14	31
25 - 64	549	532	368	470	0	40	105	144	181
65 +	63	63	40	46	0	2	17	10	17
Unknown	24	1	0	0	0	0	0	0	0
Total	773	732	491	623	0	57	154	170	242

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).

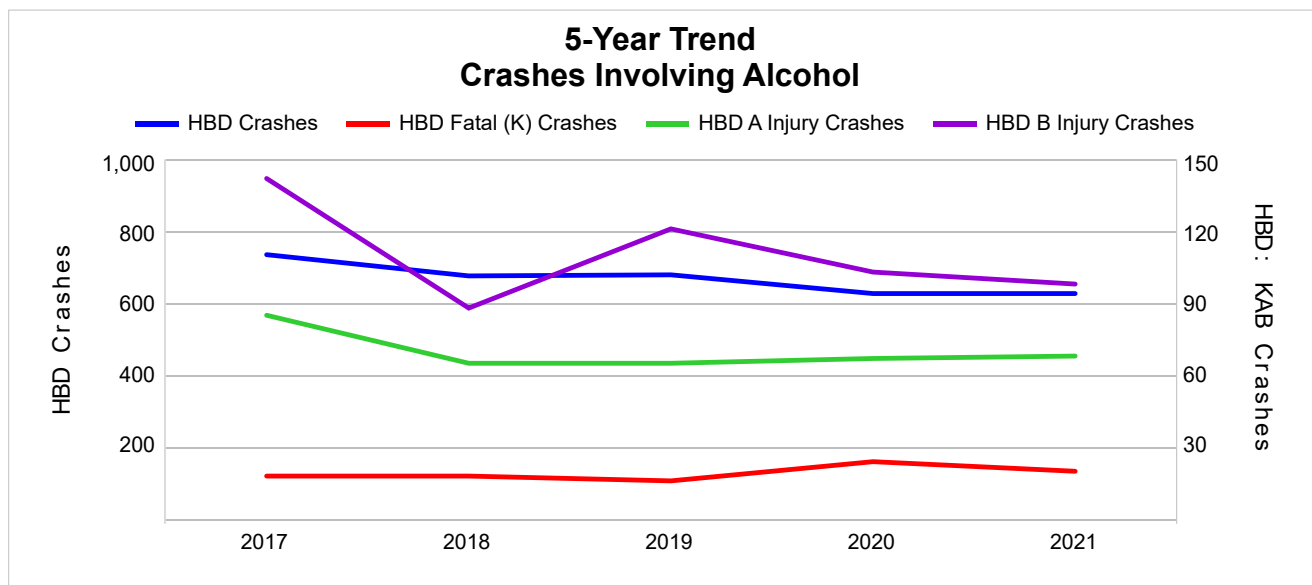
A driver may be coded by the officer as drinking even though no test is administered.

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	19,820	735	3.7	59	18	30.5	386	85	22.0	872	142	16.3
2018	19,919	676	3.4	55	18	32.7	349	65	18.6	812	88	10.8
2019	19,727	679	3.4	62	16	25.8	335	65	19.4	770	121	15.7
2020	15,971	627	3.9	66	24	36.4	298	67	22.5	662	103	15.6
2021	17,895	627	3.5	69**	20	29.0	340	68	20.0	768	98	12.8

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

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



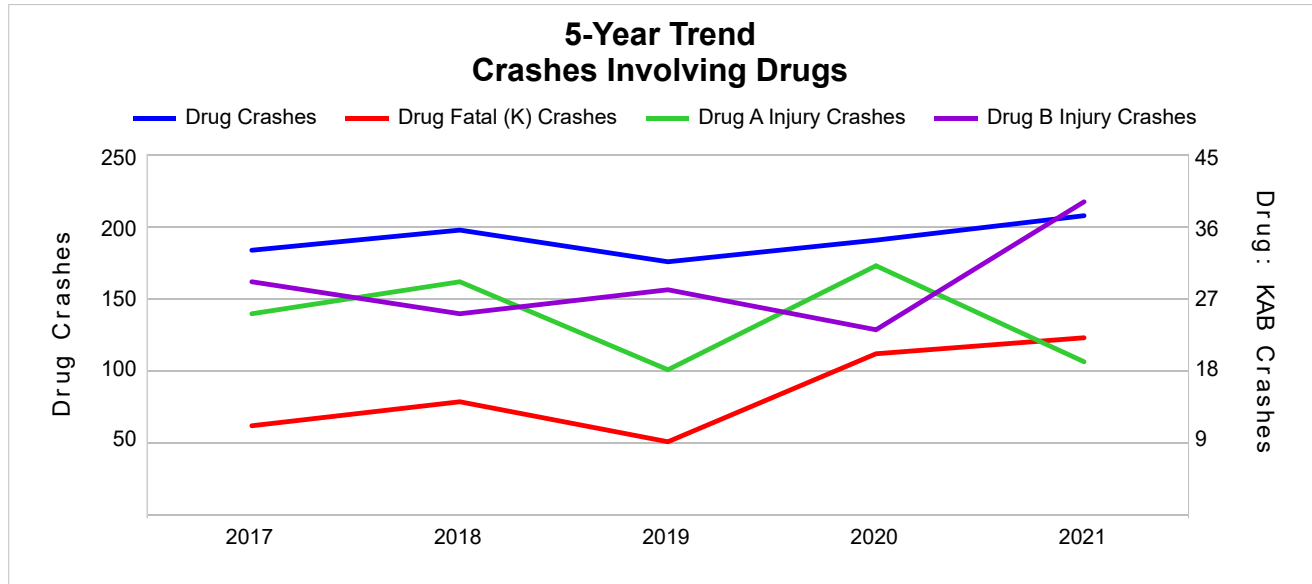
Note: Had-Been-Drinking (HBD)

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	19,820	183	0.9	59	11	18.6	386	25	6.5	872	29	3.3
2018	19,919	197	1.0	55	14	25.5	349	29	8.3	812	25	3.1
2019	19,727	175	0.9	62	9	14.5	335	18	5.4	770	28	3.6
2020	15,971	190	1.2	66	20	30.3	298	31	10.4	662	23	3.5
2021	17,895	207 **	1.2	69 **	22 **	31.9 **	340	19	5.6	768	39 **	5.1 **

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

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

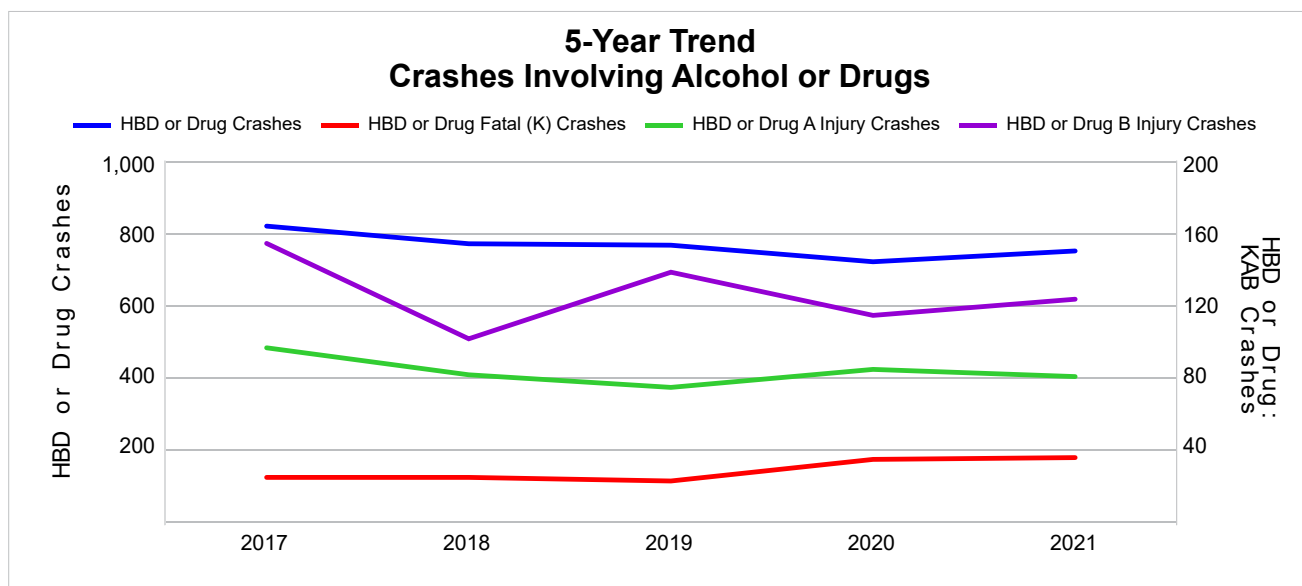


5-Year Trend - Crashes Involving Alcohol or Drugs

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	19,820	818	4.1	59	24	40.7	386	96	24.9	872	154	17.7
2018	19,919	769	3.9	55	24	43.6	349	81	23.2	812	101	12.4
2019	19,727	765	3.9	62	22	35.5	335	74	22.1	770	138	17.9
2020	15,971	719	4.5	66	34	51.5	298	84	28.2	662	114	17.2
2021	17,895	749	4.2	69 **	35 **	50.7	340	80	23.5	768	123	16.0

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.



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	17,952	16,861	93.9	36	16	44.4	225	181	80.4	679	600	88.4	1,348	1,259	93.4	15,275	14,805	96.9
Motor Home	99	92	92.9	0	0	0.0	0	0	0.0	3	3	100.0	9	7	77.8	84	82	97.6
Pickup Truck	5,496	5,093	92.7	7	5	71.4	75	48	64.0	177	142	80.2	331	316	95.5	4,752	4,581	96.4
Small Truck Under 10,000 lbs. GVWR	142	129	90.8	1	0	0.0	2	2	100.0	0	0	0.0	7	7	100.0	126	120	95.2
Motorcycle	212	128	60.4	12	8	66.7	58	35	60.3	73	45	61.6	33	23	69.7	34	17	50.0
Moped/Goped	19	8	42.1	0	0	0.0	3	1	33.3	10	4	40.0	3	1	33.3	2	2	100.0
Go-Cart/Golf Cart	3	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0	0	0	0.0	1	0	0.0
Snowmobile	38	34	89.5	2	2	100.0	10	9	90.0	5	5	100.0	5	4	80.0	16	14	87.5
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	104	53	51.0	2	0	0.0	31	14	45.2	23	13	56.5	8	5	62.5	38	21	55.3
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	84	58	69.0	0	0	0.0	1	0	0.0	2	1	50.0	0	0	0.0	72	57	79.2
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	632	588	93.0	2	0	0.0	6	3	50.0	14	12	85.7	34	28	82.4	561	545	97.1
Uncoded & Errors	268	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	6	0	0.0
Total	25,049	23,044	92.0	62	31	50.0	412	293	71.1	988	825	83.5	1,778	1,650	92.8	20,967	20,244	96.6

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.

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	189	162	85.7	1	1	100.0	19	15	78.9	48	38	79.2	91	81	89.0	30	27	90.0
16 - 20	2,672	2,563	95.9	6	3	50.0	45	30	66.7	140	115	82.1	230	210	91.3	2,250	2,205	98.0
21 - 24	1,955	1,838	94.0	7	3	42.9	34	21	61.8	101	78	77.2	164	153	93.3	1,643	1,583	96.3
25 - 64	15,477	14,696	95.0	36	15	41.7	250	172	68.8	510	423	82.9	1,008	928	92.1	13,635	13,157	96.5
65 +	3,933	3,784	96.2	12	9	75.0	63	55	87.3	189	171	90.5	285	278	97.5	3,377	3,271	96.9
Unknown	823	1	0.1	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	32	1	3.1
Total	25,049	23,044	92.0	62	31	50.0	412	293	71.1	988	825	83.5	1,778	1,650	92.8	20,967	20,244	96.6

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.

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	83	1	30	48	1	4	47	0	6	52	0	9	54	1	15
Shoulder Belt Only Used	129	0	13	124	1	17	122	0	13	96	0	16	119	0	14
Lap Belt Only Used	57	0	3	48	2	6	33	1	3	30	0	4	40	0	6
Both Lap & Shoulder Belt Used	24,672	25	2,197	24,520	17	2,088	24,749	15	2,012	19,338	14	1,671	22,024	16	1,940
No Belts Used	213	10	90	189	15	86	152	14	65	136	13	80	172	14	89
Child Restraint Used - Forward Facing	4	0	0	3	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Used - Booster Seat	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Restraint Failure	9	0	2	6	0	2	8	0	2	6	0	0	1	0	1
Restraint Use Unknown	1,320	2	72	1,320	3	67	1,350	3	71	1,203	9	77	1,535	6	115
Helmet Worn	217	6	151	191	8	145	203	8	145	200	6	155	193	10	145
Helmet Not Worn	84	6	57	70	2	56	77	2	60	91	6	73	93	5	68
Helmet Use Unknown	13	2	5	19	0	9	21	1	8	21	1	16	12	0	8
Uncoded & Errors	159	0	0	144	0	0	82	0	0	24	0	0	19	0	0
Total	26,963	52	2,621	26,682	49	2,481	26,845	44	2,385	21,197	49	2,101	24,262	52	2,401

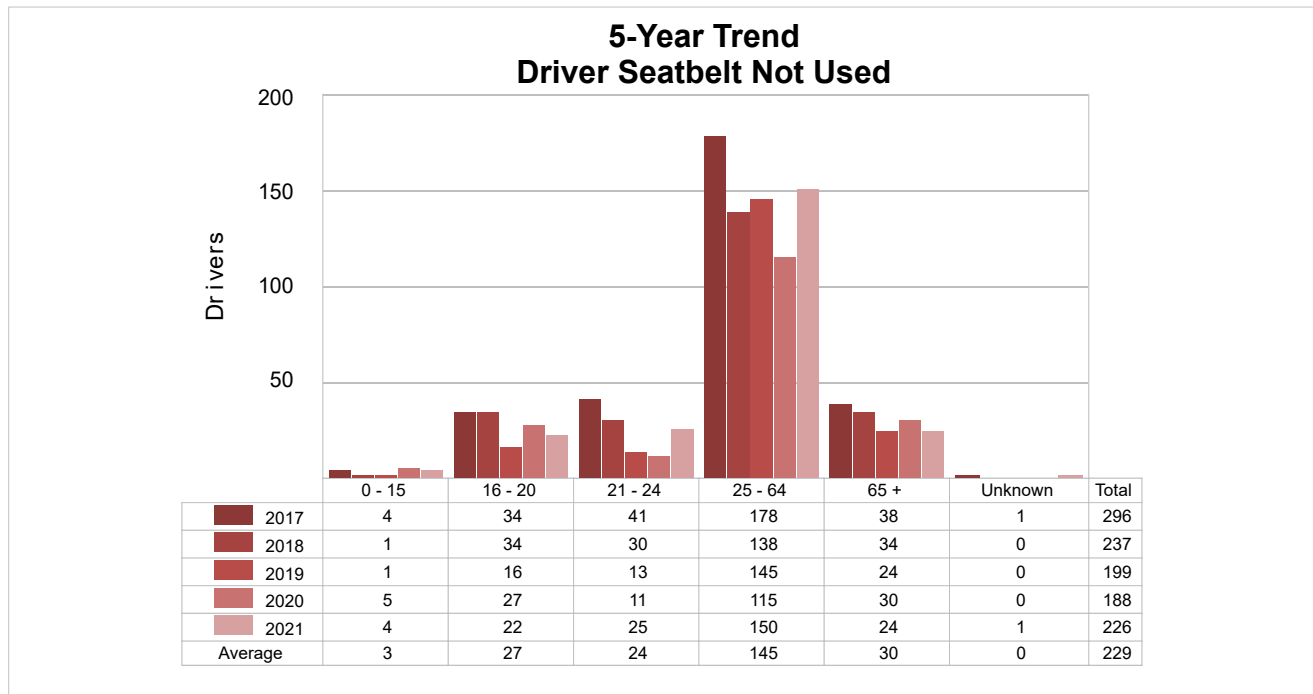
5-Year Trend - Restraint Use Among Drivers Coded Drinking

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	3	0	2	3	1	2	1	0	0	1	0	1	4	0	2
Shoulder Belt Only Used	6	0	2	3	0	2	4	0	1	2	0	1	3	0	0
Lap Belt Only Used	1	0	0	1	1	0	2	0	1	0	0	0	2	0	0
Both Lap & Shoulder Belt Used	506	2	144	460	3	119	455	1	142	416	3	126	418	5	139
No Belts Used	43	7	34	48	6	28	40	6	23	40	8	28	36	5	23
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	133	1	36	125	1	28	133	0	39	125	4	37	126	0	37
Helmet Worn	12	1	10	13	2	11	14	1	13	16	2	12	17	1	13
Helmet Not Worn	19	2	14	19	1	15	17	1	14	20	4	15	16	1	15
Helmet Use Unknown	4	2	1	1	0	1	4	0	2	4	0	3	1	0	1
Uncoded & Errors	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Total	729	15	243	674	15	206	670	9	235	624	21	223	623	12	230

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	4	0	3	1	0	0	1	0	1	5	0	4	4	0	4
16 - 20	34	2	15	34	2	17	16	1	7	27	2	14	22	1	14
21 - 24	41	2	21	30	4	15	13	1	4	11	1	5	25	1	16
25 - 64	178	6	63	138	8	52	145	10	51	115	6	54	150	13	65
65 +	38	1	18	34	2	6	24	2	8	30	4	12	24	0	5
Unknown	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Total	296	11	120	237	16	90	199	14	71	188	13	89	226	15	104

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

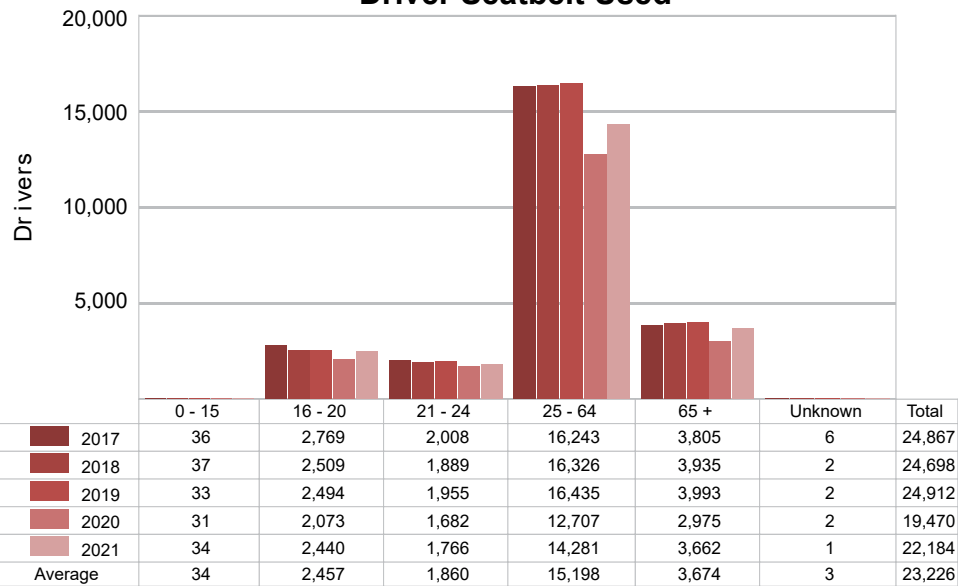


5-Year Trend - Seatbelt Used Among Drivers by Age

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	36	0	1	37	0	5	33	0	2	31	0	4	34	0	8
16 - 20	2,769	2	322	2,509	1	281	2,494	1	246	2,073	2	211	2,440	2	238
21 - 24	2,008	1	202	1,889	3	163	1,955	1	171	1,682	1	158	1,766	2	184
25 - 64	16,243	13	1,339	16,326	6	1,283	16,435	6	1,259	12,707	6	1,034	14,281	7	1,140
65 +	3,805	9	350	3,935	10	381	3,993	8	352	2,975	5	284	3,662	5	391
Unknown	6	0	1	2	0	0	2	0	0	2	0	0	1	0	0
Total	24,867	25	2,215	24,698	20	2,113	24,912	16	2,030	19,470	14	1,691	22,184	16	1,961

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	16,142	37	16,314	32	16,271	47	13,227	29	14,701	36
Speed Too Fast	3,006	18	2,807	12	2,935	17	1,910	17	2,217	27
Speed Too Slow	23	0	12	0	13	0	6	0	7	0
Failed to Yield	1,924	6	1,946	6	2,032	9	1,584	9	1,924	6
Disregard Traffic Control	253	2	255	3	243	3	238	2	248	1
Drove Wrong Way	8	1	8	0	8	1	7	0	6	0
Drove Left of Center	181	6	180	5	170	1	129	6	159	7
Improper Passing	101	0	123	0	103	2	99	0	116	2
Improper Lane Use	298	0	293	1	286	1	211	1	280	0
Improper Turn	158	0	177	0	177	0	150	2	201	0
Improper/No Signal	17	0	25	0	28	0	20	0	21	0
Improper Backing	361	0	375	0	343	0	258	0	288	0
Unable to Stop in Assured Clear Distance	2,155	3	2,026	1	2,209	5	1,554	0	1,886	1
Other	745	2	691	2	636	0	561	4	645	9
Unknown	688	9	608	13	673	8	561	8	800	10
Reckless Driving	85	3	99	2	84	1	102	5	89	2
Careless/Negligent Driving	666	4	620	7	565	6	566	10	669	1
Uncoded & Errors	152	0	123	1	69	0	14	0	5	0
Total	26,963	91	26,682	85	26,845	101	21,197	93	24,262	102

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