



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

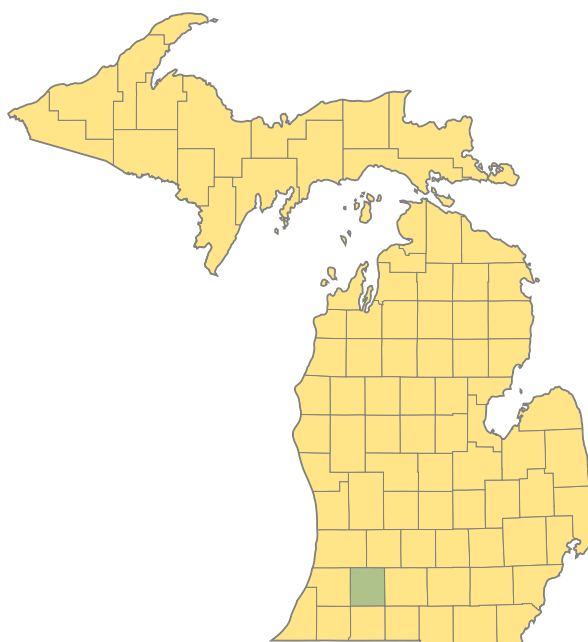
O = No Injury

Property Damage Only (PDO)



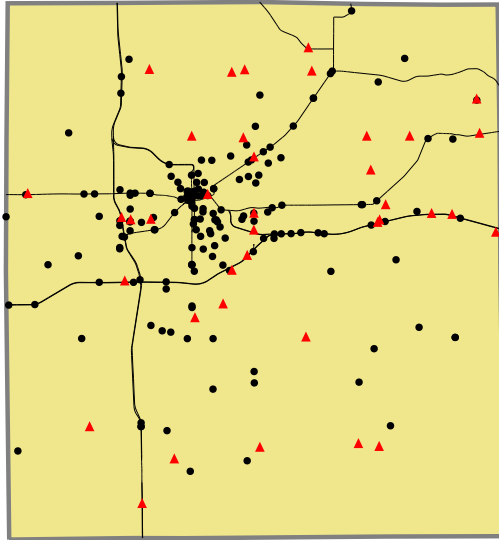
Kalamazoo County

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 (38/38)

● A - Suspected Serious (171/171)

2021 - Crashes and Injury by Month

Month	Crashes				People	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	659	4	100	555	4	144
February	700	1	101	598	1	135
March	523	4	102	417	4	130
April	563	4	114	445	4	156
May	565	6	124	435	7	169
June	702	1	153	548	1	217
July	592	4	101	487	4	150
August	660	5	153	502	5	199
September	682	2	144	536	2	191
October	882	1	166	715	1	223
November	859	5	103	751	5	147
December	849	1	129	719	1	162
Total	8,236	38	1,490	6,708	39	2,023

2021 - Driver Statistics

Age Group	Kalamazoo County			Driver Rates	
	2019 Population*	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	50,574	1,221	18	3.6	147.4
16 - 20	21,738	10,719	1,647	757.7	1,536.5
21 - 24	24,959	12,637	1,527	611.8	1,208.4
25 - 64	126,886	117,154	8,224	648.1	702.0
65 +	40,909	40,333	1,405	343.4	348.3
Unknown	0	0	1,524	--	--
Total	265,066	182,064	14,345	541.2	787.9

*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	11,710	81.6	42	70.0	2,244	9,424
Motor Home	36	0.3	0	0.0	8	28
Pickup Truck	1,244	8.7	6	10.0	251	987
Small Truck Under 10,000 lbs. GVWR	59	0.4	0	0.0	13	46
Motorcycle	106	0.7	8	13.3	73	25
Moped/Goped	12	0.1	0	0.0	11	1
Go-Cart/Golf Cart	2	0.0	0	0.0	1	1
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	2	0.0	0	0.0	0	2
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	39	0.3	0	0.0	9	30
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	473	3.3	3	5.0	91	379
Uncoded & Errors	662	4.6	1	1.7	56	605
Total	14,345	100.0	60	100.0	2,757	11,528

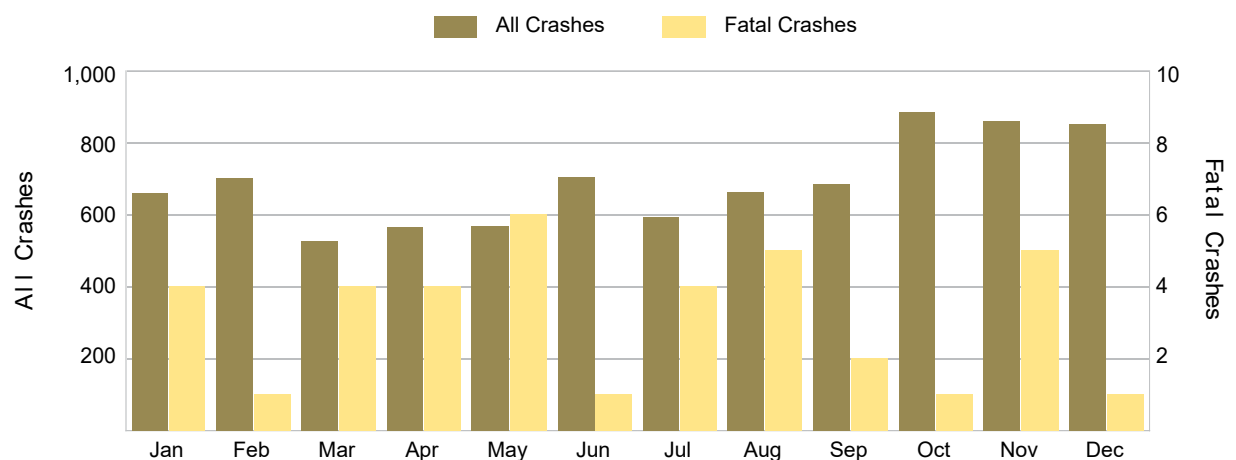
5-Year Trend - Crashes by Month

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	781	2	779	2	1,025	1	712	0	659	4
February	597	0	718	1	779	3	892	0	700	1
March	630	4	619	2	622	0	364	1	523	4
April	568	3	647	1	547	1	252	2	563	4
May	642	3	641	2	639	0	397	2	565	6
June	611	5	606	3	653	1	543	3	702	1
July	610	3	603	6	664	1	538	1	592	4
August	629	2	610	5	610	1	565	1	660	5
September	662	3	641	1	660	3	643	3	682	2
October	885	0	750	2	844	4	722	5	882	1
November	852	0	1,002	1	1,011	2	633	1	859	5
December	1,054	3	717	2	834	0	672	2	849	1
Total	8,521	28	8,333	28	8,888	17	6,933	21	8,236	38

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	1,258	2	1,305	1	1,327	2	938	6	1,167	3
Tuesday	1,250	3	1,255	2	1,519	4	964	4	1,328	4
Wednesday	1,343	7	1,243	6	1,432	1	1,167	2	1,200	5
Thursday	1,362	4	1,218	3	1,287	3	1,137	2	1,212	5
Friday	1,387	7	1,510	5	1,440	3	1,139	2	1,456	7
Saturday	1,068	1	1,003	4	1,033	3	895	4	1,057	8
Sunday	853	4	799	7	850	1	693	1	816	6
Total	8,521	28	8,333	28	8,888	17	6,933	21	8,236	38

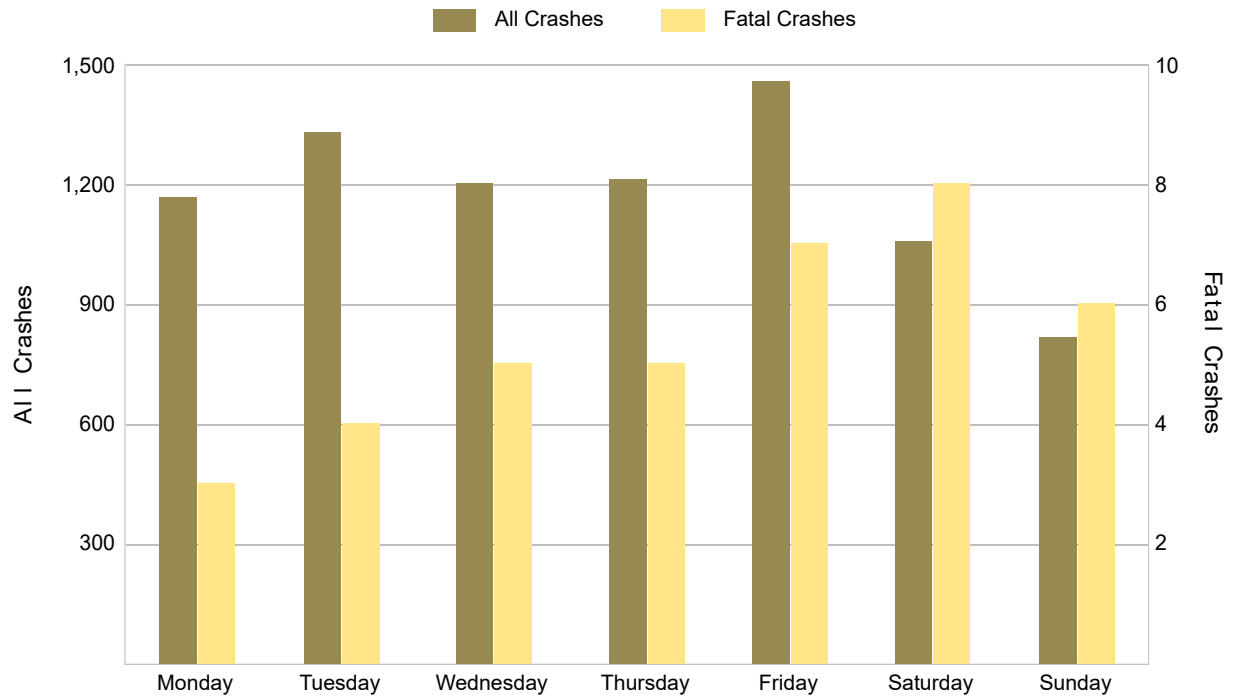
2021 Crashes by Month



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	1,167	14.2	3	7.9	18	54	112	980
Tuesday	1,328	16.1	4	10.5	34	54	129	1,107
Wednesday	1,200	14.6	5	13.2	27	55	137	976
Thursday	1,212	14.7	5	13.2	22	72	140	973
Friday	1,456	17.7	7	18.4	16	92	155	1,186
Saturday	1,057	12.8	8	21.1	32	62	115	840
Sunday	816	9.9	6	15.8	22	58	84	646
Total	8,236	100.0	38	100.0	171	447	872	6,708

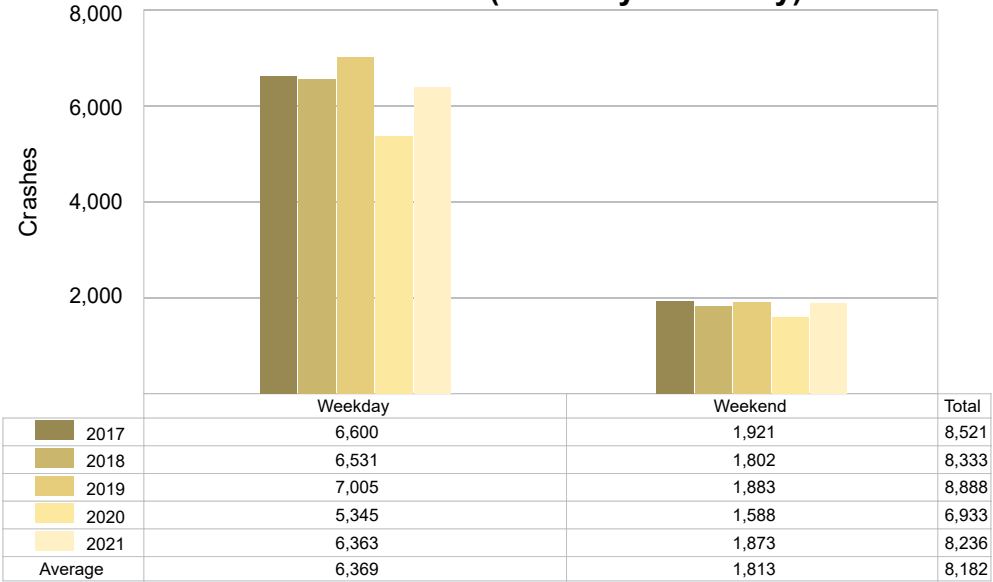
2021 Day of Week and Severity



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	6,600	23	6,531	17	7,005	13	5,345	16	6,363	24
Weekend	1,921	5	1,802	11	1,883	4	1,588	5	1,873	14
Total	8,521	28	8,333	28	8,888	17	6,933	21	8,236	38

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

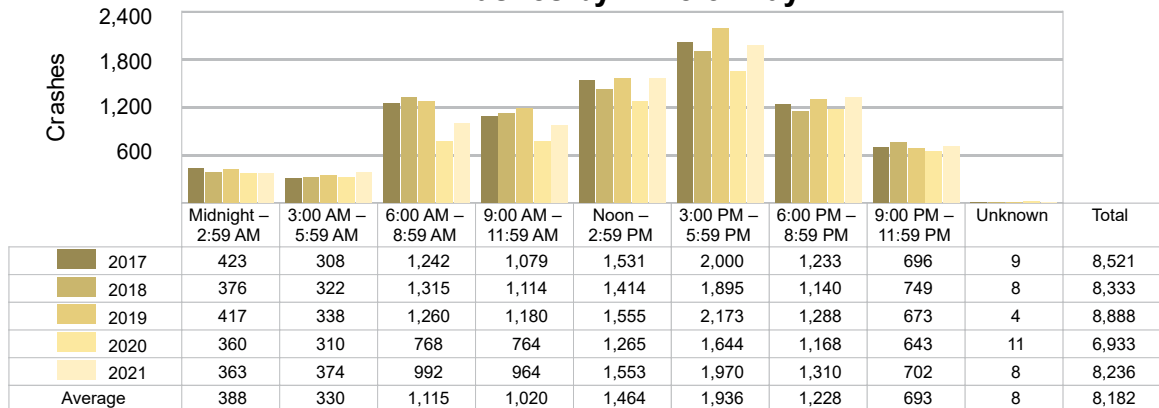


5-Year Trend - Crashes by Time of Day

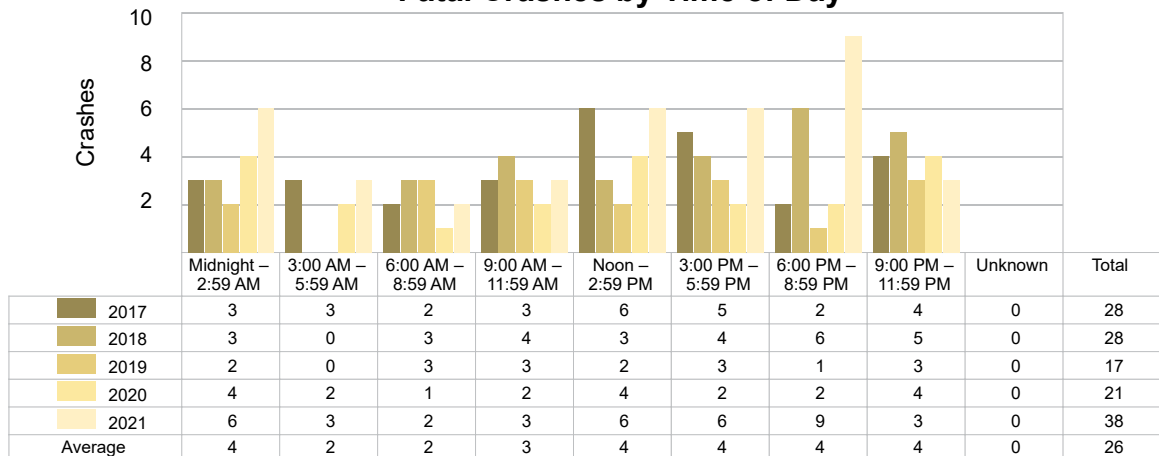
Time of Day	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight – 2:59 AM	423	3	376	3	417	2	360	4	363	6
3:00 AM – 5:59 AM	308	3	322	0	338	0	310	2	374	3
6:00 AM – 8:59 AM	1,242	2	1,315	3	1,260	3	768	1	992	2
9:00 AM – 11:59 AM	1,079	3	1,114	4	1,180	3	764	2	964	3
Noon – 2:59 PM	1,531	6	1,414	3	1,555	2	1,265	4	1,553	6
3:00 PM – 5:59 PM	2,000 †	5	1,895 †	4	2,173 †	3	1,644 †	2	1,970 †	6
6:00 PM – 8:59 PM	1,233	2	1,140	6	1,288	1	1,168	2	1,310	9
9:00 PM – 11:59 PM	696	4	749	5	673	3	643	4	702	3
Unknown	9	0	8	0	4	0	11	0	8	0
Total	8,521	28	8,333	28	8,888	17	6,933	21	8,236	38

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

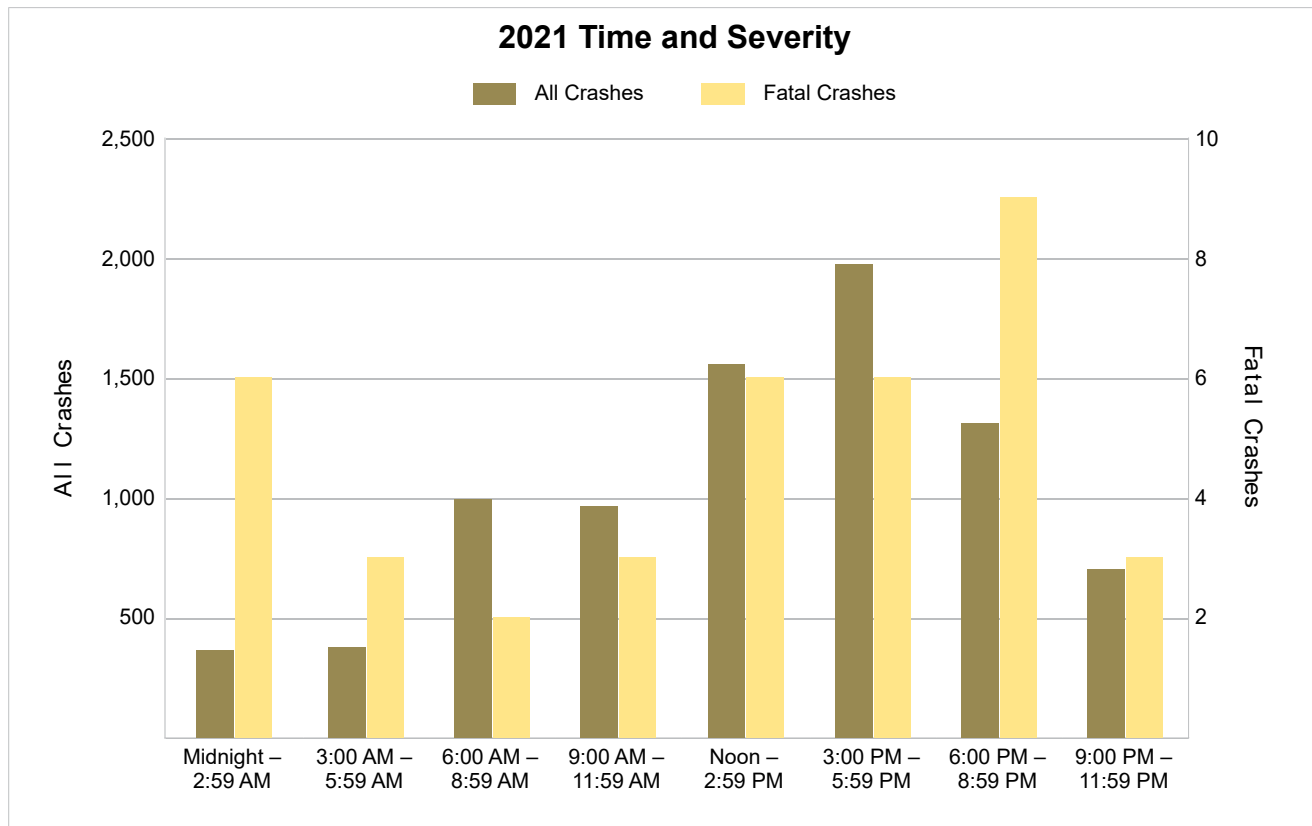


5-Year Trend Fatal Crashes by Time of Day



2021 - Time and Severity

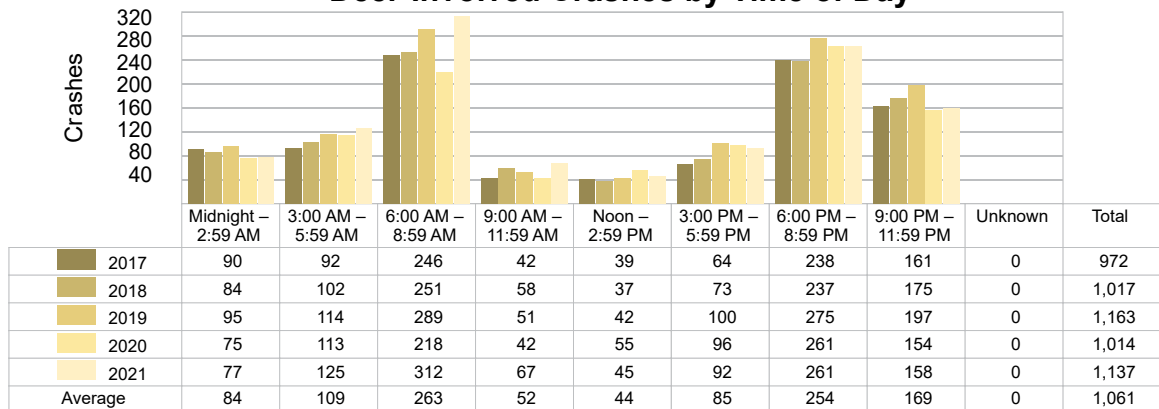
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight – 2:59 AM	363	4.4	6	15.8	11	29	28	289
3:00 AM – 5:59 AM	374	4.5	3	7.9	3	23	28	317
6:00 AM – 8:59 AM	992	12.0	2	5.3	18	21	90	861
9:00 AM – 11:59 AM	964	11.7	3	7.9	29	50	107	775
Noon – 2:59 PM	1,553	18.9	6	15.8	35	81	195	1,236
3:00 PM – 5:59 PM	1,970	23.9	6	15.8	31	127	232	1,574
6:00 PM – 8:59 PM	1,310	15.9	9	23.7	24	72	126	1,079
9:00 PM – 11:59 PM	702	8.5	3	7.9	20	43	66	570
Unknown	8	0.1	0	0.0	0	1	0	7
Total	8,236	100.0	38	100.0	171	447	872	6,708



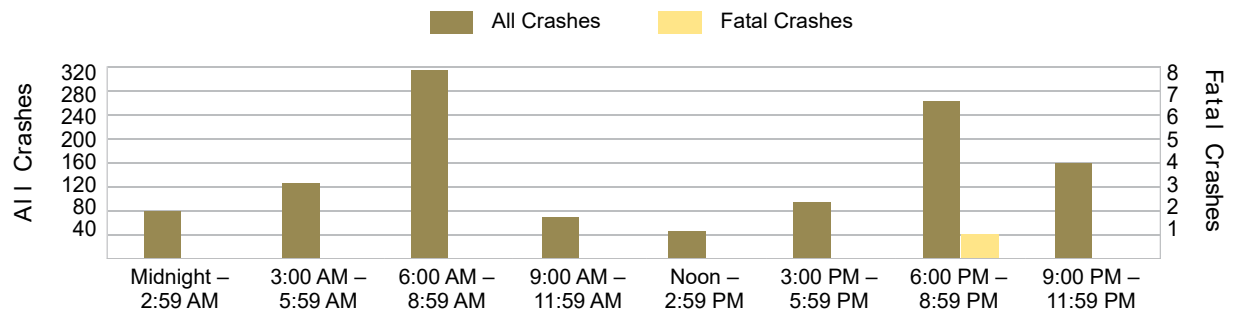
5-Year Trend - Deer-Involved Crashes by Time of Day

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	90	0	84	0	95	0	75	0	77	0
3:00 AM – 5:59 AM	92	0	102	0	114	0	113	0	125	0
6:00 AM – 8:59 AM	246	0	251	0	289	0	218	0	312	0
9:00 AM – 11:59 AM	42	0	58	0	51	0	42	0	67	0
Noon – 2:59 PM	39	0	37	0	42	0	55	0	45	0
3:00 PM – 5:59 PM	64	0	73	0	100	0	96	0	92	0
6:00 PM – 8:59 PM	238	0	237	0	275	0	261	0	261	1
9:00 PM – 11:59 PM	161	0	175	0	197	0	154	0	158	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	972	0	1,017	0	1,163	0	1,014	0	1,137	1

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

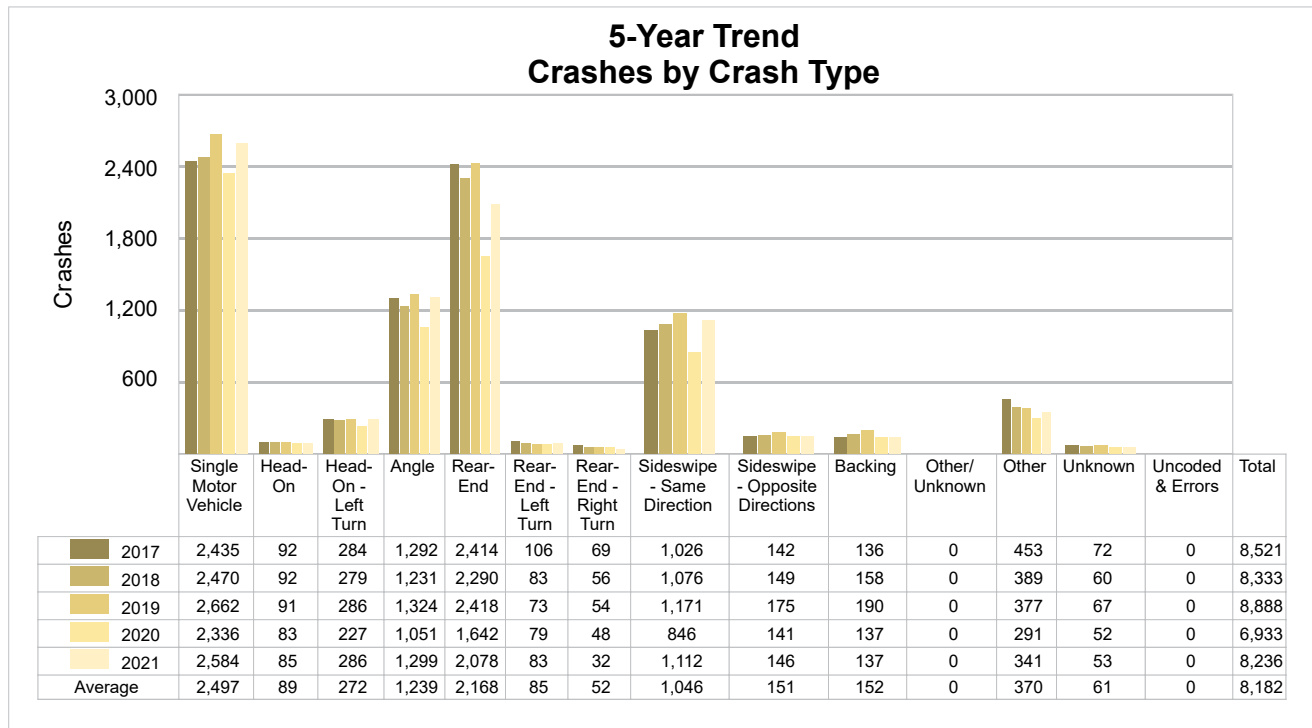


2021 Time and Severity of Deer-Involved Crashes



5-Year Trend - Crashes by Crash Type

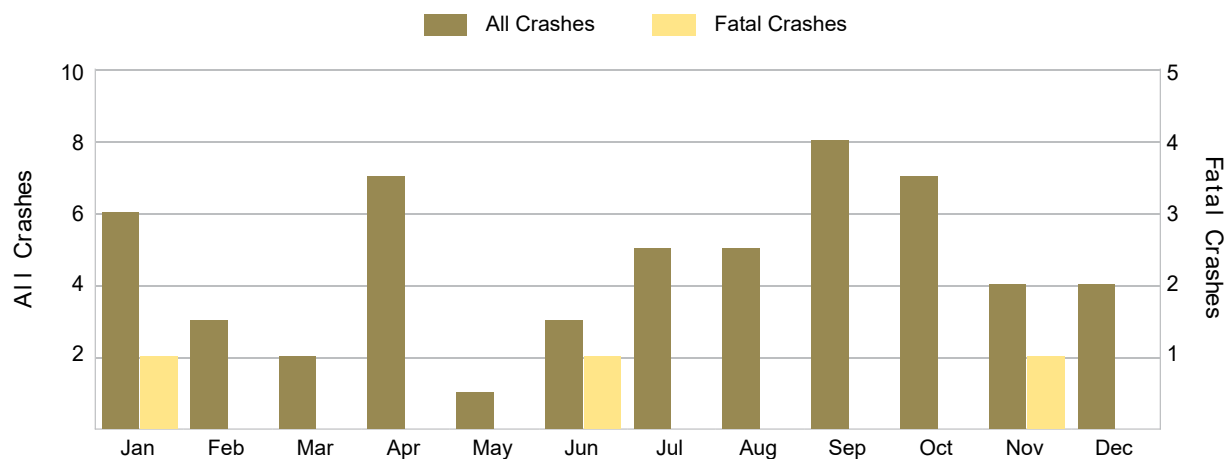
Crash Type	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Single Motor Vehicle	2,435	8	2,470	12	2,662	9	2,336	12	2,584	20
Head-On	92	4	92	2	91	3	83	0	85	3
Head-On - Left Turn	284	1	279	1	286	2	227	3	286	1
Angle	1,292	8	1,231	6	1,324	0	1,051	3	1,299	7
Rear-End	2,414	3	2,290	3	2,418	0	1,642	2	2,078	0
Rear-End - Left Turn	106	0	83	0	73	0	79	0	83	0
Rear-End - Right Turn	69	0	56	0	54	0	48	0	32	0
Sideswipe - Same Direction	1,026	1	1,076	0	1,171	1	846	0	1,112	1
Sideswipe - Opposite Directions	142	1	149	0	175	0	141	0	146	0
Backing	136	0	158	0	190	0	137	0	137	0
Other/Unknown	0	0	0	0	0	0	0	0	0	0
Other	453	2	389	4	377	2	291	1	341	5
Unknown	72	0	60	0	67	0	52	0	53	1
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0
Total	8,521	28	8,333	28	8,888	17	6,933	21	8,236	38



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	9	1	6	0	7	0	7	0	6	1
February	5	0	5	0	4	0	5	0	3	0
March	3	0	4	0	5	0	6	0	2	0
April	2	0	4	0	3	0	2	1	7	0
May	5	0	3	0	8	0	3	0	1	0
June	6	1	4	0	6	0	10	1	3	1
July	9	1	8	0	4	0	2	0	5	0
August	2	0	2	1	6	0	5	1	5	0
September	16	1	7	0	11	0	7	1	8	0
October	10	0	7	1	12	1	4	1	7	0
November	10	0	7	0	8	1	5	0	4	1
December	5	0	9	2	6	0	4	0	4	0
Total	82	4	66	4	80	2	60	5	55	3

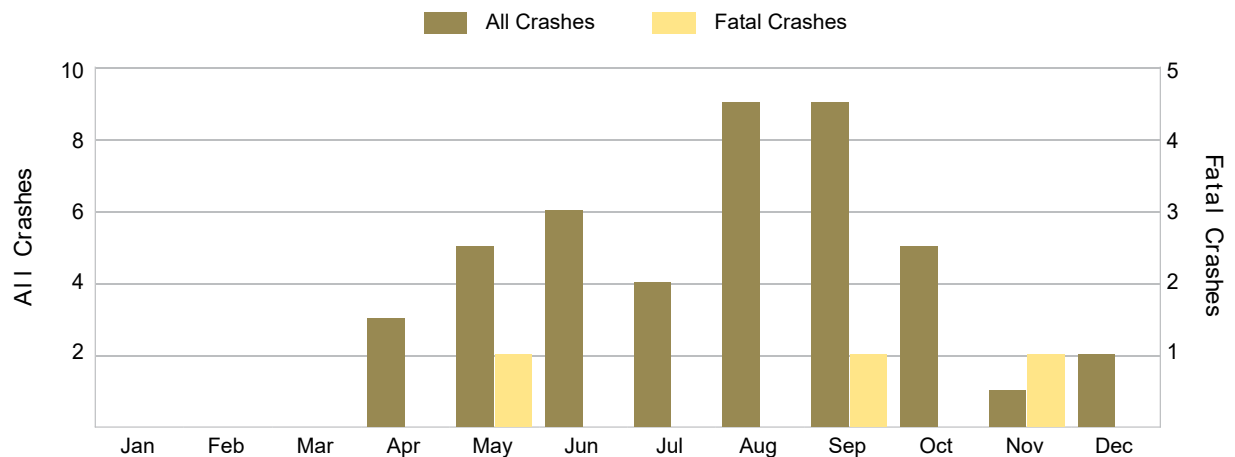
2021 Pedestrian-Involved Crashes by Month



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	1	0	1	0	1	0	0	0
February	4	0	0	0	0	0	1	0	0	0
March	4	0	7	0	3	0	2	0	0	0
April	4	0	1	0	5	0	5	0	3	0
May	4	0	4	0	2	0	4	0	5	1
June	8	0	9	0	4	0	5	0	6	0
July	10	0	10	1	9	0	10	0	4	0
August	6	1	14	0	11	0	7	0	9	0
September	5	0	13	0	8	0	4	0	9	1
October	4	0	6	0	4	0	2	0	5	0
November	2	0	1	0	2	0	1	0	1	1
December	0	0	1	0	3	0	1	0	2	0
Total	51	1	67	1	52	0	43	0	44	3

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
Alamo Twp.	162	0	28	134	0	67	0	95	8	2	63	1	0
Augusta	0	0	0	0	0	0	0	0	0	0	0	0	0
Brady Twp.	90	3	13	74	0	0	0	90	5	1	43	0	0
Charleston Twp.	210	6	41	163	104	0	33	72	6	5	48	0	0
Climax	0	0	0	0	0	0	0	0	0	0	0	0	0
Climax Twp.	39	0	5	34	0	0	0	39	1	0	26	0	0
Comstock Twp.	576	2	116	458	129	0	160	285	19	5	81	2	3
Cooper Twp.	157	3	23	131	0	0	0	157	6	3	54	0	0
Galesburg	37	0	5	32	0	0	20	17	3	2	8	0	0
Kalamazoo	3,178	6	554	2,618	73	14	376	2,709	116	24	85	34	23
Kalamazoo Twp.	471	3	99	369	10	21	158	281	22	13	47	3	1
Oshtemo Twp.	747	2	143	602	0	96	248	403	17	5	129	4	0
Parchment	35	0	9	26	0	0	0	35	1	2	0	0	0
Pavilion Twp.	110	1	25	84	0	0	0	110	5	3	40	0	2
Portage	1,423	2	242	1,179	132	43	0	1,245	36	13	182	7	9
Prairie Ronde Twp.	46	1	5	40	0	0	0	46	0	0	21	0	0
Richland	0	0	0	0	0	0	0	0	0	0	0	0	0
Richland Twp.	239	3	53	183	0	0	103	136	10	3	75	2	2
Ross Twp.	146	3	25	118	0	0	72	74	5	0	72	1	0
Schoolcraft	0	0	0	0	0	0	0	0	0	0	0	0	0
Schoolcraft Twp.	253	2	51	200	0	104	0	149	6	1	66	0	1
Texas Twp.	273	1	48	224	120	0	0	151	12	2	69	1	3
Vicksburg	0	0	0	0	0	0	0	0	0	0	0	0	0
Wakeshma Twp.	44	0	5	39	0	0	0	44	1	0	28	0	0
Total	8,236	38	1,490	6,708	568	345	1,170	6,138	279	84	1,137	55	44

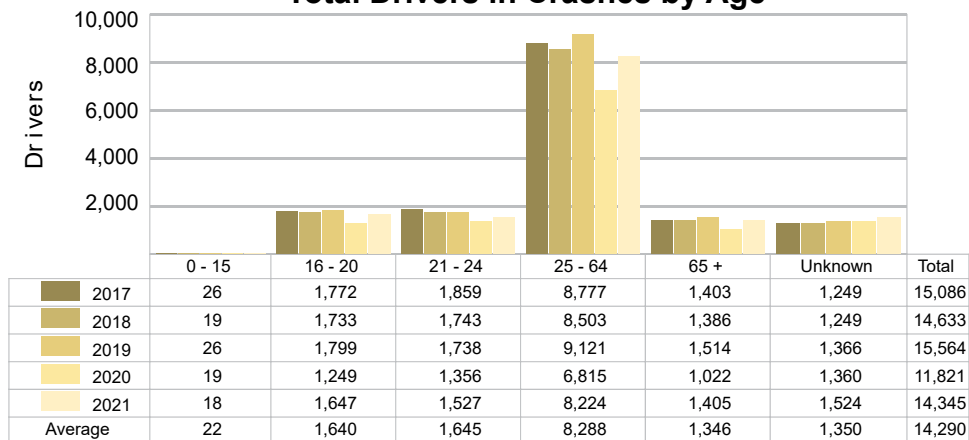
2021 - People in Reported Motor Vehicle Crashes by Municipality

Municipality	People					
	Fatalities	Suspected Serious Injuries	Suspected Minor Injuries	Possible Injuries	No Injuries	Uncoded & Errors
Alamo Twp.	0	4	15	27	172	14
Augusta	0	0	0	0	0	0
Brady Twp.	3	0	16	7	92	3
Charleston Twp.	6	11	43	29	275	20
Climax	0	0	0	0	0	0
Climax Twp.	0	6	0	2	37	2
Comstock Twp.	2	39	101	148	880	85
Cooper Twp.	3	2	14	42	199	19
Galesburg	0	3	2	3	50	9
Kalamazoo	6	180	362	979	5,854	939
Kalamazoo Twp.	3	27	71	169	796	107
Oshtemo Twp.	2	38	105	223	1,197	100
Parchment	0	2	11	6	55	11
Pavilion Twp.	1	10	19	29	118	14
Portage	2	30	195	399	2,504	148
Prairie Ronde Twp.	1	1	9	4	59	6
Richland	0	0	0	0	0	0
Richland Twp.	3	14	53	47	305	12
Ross Twp.	3	4	19	26	160	11
Schoolcraft	0	0	0	0	0	0
Schoolcraft Twp.	3	13	39	67	397	34
Texas Twp.	1	12	43	47	374	23
Vicksburg	0	0	0	0	0	0
Wakeshma Twp.	0	1	4	2	47	3
Total	39	397	1,121	2,256	13,571	1,560

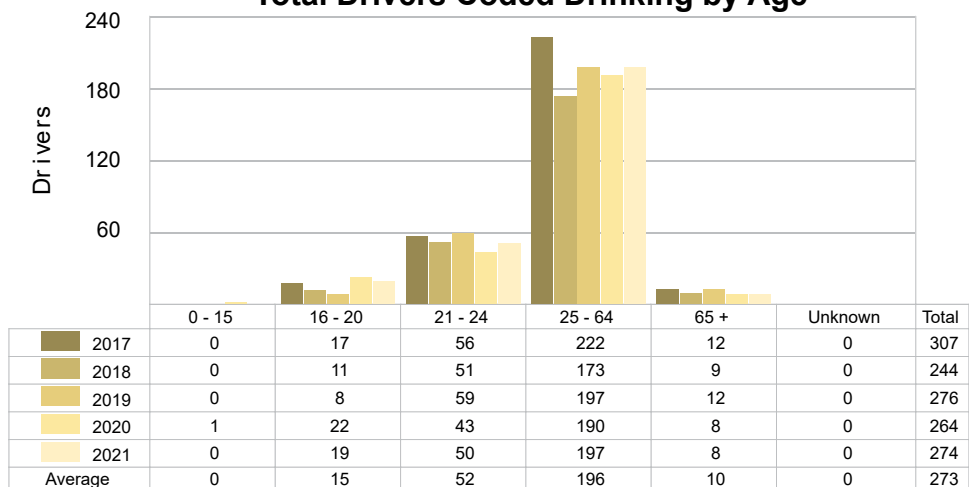
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	26	0	19	0	26	0	19	1	18	0
16 - 20	1,772	17	1,733	11	1,799	8	1,249	22	1,647	19
21 - 24	1,859	56	1,743	51	1,738	59	1,356	43	1,527	50
25 - 64	8,777	222	8,503	173	9,121	197	6,815	190	8,224	197
65 +	1,403	12	1,386	9	1,514	12	1,022	8	1,405	8
Unknown	1,249	0	1,249	0	1,366	0	1,360	0	1,524	0
Total	15,086	307	14,633	244	15,564	276	11,821	264	14,345	274

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	28	32	18	19	0	3	6	6	4
21 - 24	61	58	45	50	1	3	19	16	11
25 - 64	272	231	174	197	0	7	39	88	63
65 +	16	19	8	8	0	0	1	3	4
Unknown	36	0	0	0	0	0	0	0	0
Total	413	340	245	274	1	13	65	113	82

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).

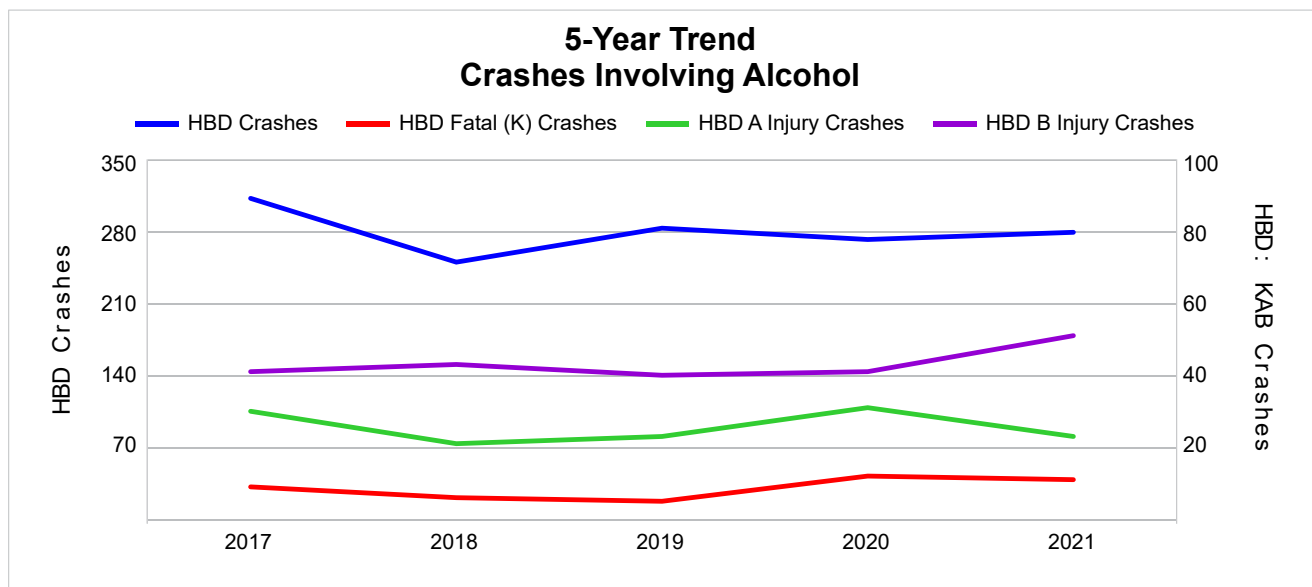
A driver may be coded by the officer as drinking even though no test is administered.

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	8,521	312	3.7	28	9	32.1	144	30	20.8	393	41	10.4
2018	8,333	250	3.0	28	6	21.4	132	21	15.9	395	43	10.9
2019	8,888	283	3.2	17	5	29.4	177	23	13.0	393	40	10.2
2020	6,933	272	3.9	21	12	57.1	159	31	19.5	331	41	12.4
2021	8,236	279	3.4	38 **	11	28.9	171	23	13.5	447 **	51 **	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.



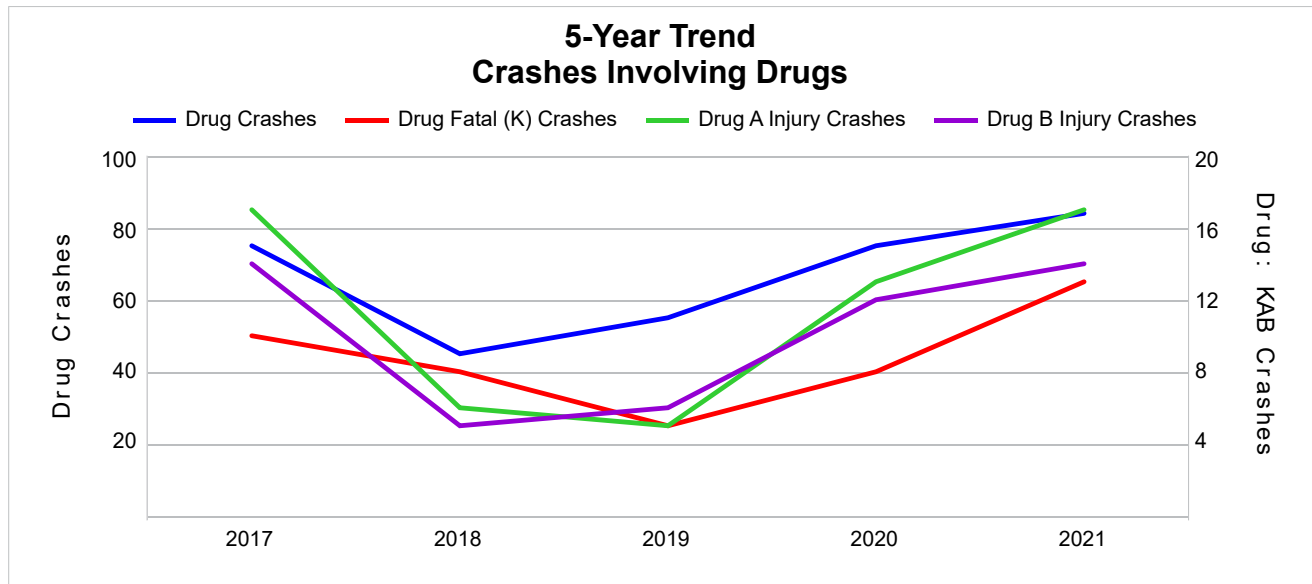
Note: Had-Been-Drinking (HBD)

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	8,521	75	0.9	28	10	35.7	144	17	11.8	393	14	3.6
2018	8,333	45	0.5	28	8	28.6	132	6	4.5	395	5	1.3
2019	8,888	55	0.6	17	5	29.4	177	5	2.8	393	6	1.5
2020	6,933	75	1.1	21	8	38.1	159	13	8.2	331	12	3.6
2021	8,236	84 **	1.0	38 **	13 **	34.2	171	17	9.9	447 **	14	3.1

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.

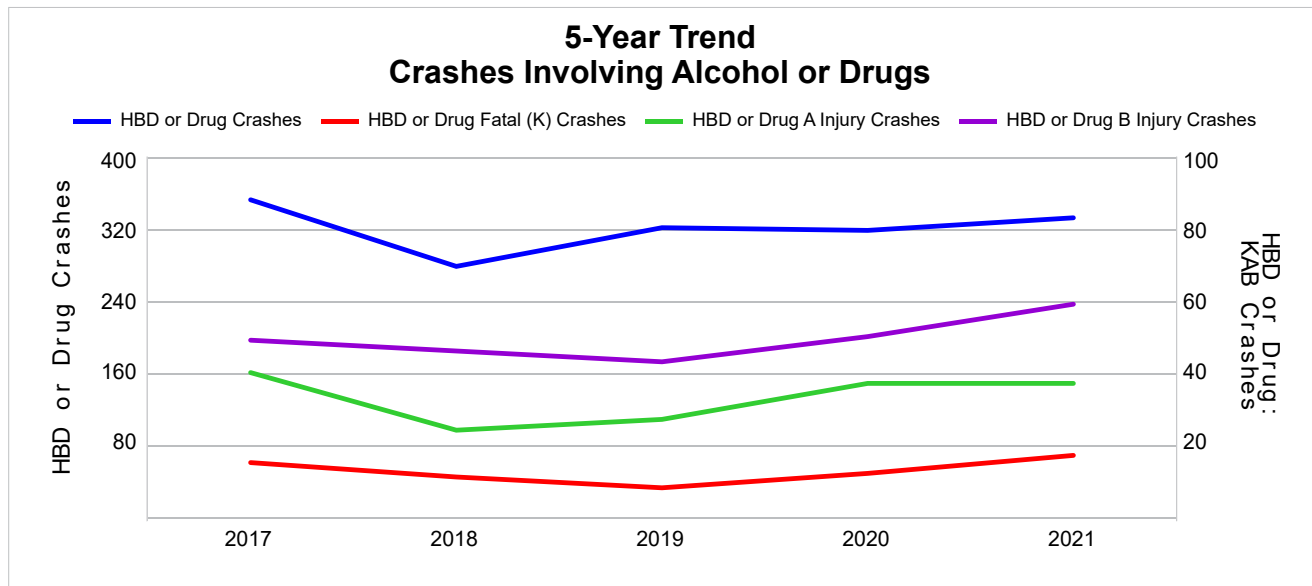


5-Year Trend - Crashes Involving Alcohol or Drugs

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	8,521	352	4.1	28	15	53.6	144	40	27.8	393	49	12.5
2018	8,333	278	3.3	28	11	39.3	132	24	18.2	395	46	11.6
2019	8,888	321	3.6	17	8	47.1	177	27	15.3	393	43	10.9
2020	6,933	318	4.6	21	12	57.1	159	37	23.3	331	50	15.1
2021	8,236	332	4.0	38 **	17 **	44.7	171	37	21.6	447 **	59 **	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.



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	12,135	10,217	84.2	22	11	50.0	136	88	64.7	435	383	88.0	1,086	974	89.7	9,720	8,761	90.1
Motor Home	40	37	92.5	0	0	0.0	0	0	0.0	2	2	100.0	6	6	100.0	29	29	100.0
Pickup Truck	1,280	1,069	83.5	4	1	25.0	13	8	61.5	42	36	85.7	93	79	84.9	1,029	945	91.8
Small Truck Under 10,000 lbs. GVWR	60	43	71.7	0	0	0.0	1	1	100.0	1	0	0.0	0	0	0.0	48	42	87.5
Motorcycle	113	51	45.1	7	4	57.1	33	17	51.5	32	15	46.9	16	7	43.8	18	8	44.4
Moped/Goped	12	3	25.0	0	0	0.0	4	1	25.0	3	1	33.3	3	1	33.3	1	0	0.0
Go-Cart/Golf Cart	2	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	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)	2	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.)	40	22	55.0	0	0	0.0	0	0	0.0	3	2	66.7	2	1	50.0	27	19	70.4
Truck/Bus (over 10,000 lbs. GVWR/ 8+ occupants/ hazmat placard)	476	412	86.6	0	0	0.0	2	1	50.0	9	8	88.9	20	17	85.0	417	386	92.6
Uncoded & Errors	662	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	14,822	11,854	80.0	33	16	48.5	189	116	61.4	527	447	84.8	1,227	1,085	88.4	11,290	10,190	90.3

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	142	122	85.9	0	0	0.0	5	1	20.0	38	32	84.2	84	77	91.7	15	12	80.0
16 - 20	1,716	1,539	89.7	0	0	0.0	20	12	60.0	64	54	84.4	148	127	85.8	1,482	1,346	90.8
21 - 24	1,581	1,380	87.3	2	1	50.0	21	13	61.9	72	61	84.7	140	114	81.4	1,340	1,191	88.9
25 - 64	8,412	7,482	88.9	24	10	41.7	117	71	60.7	285	236	82.8	721	641	88.9	7,240	6,524	90.1
65 +	1,447	1,331	92.0	7	5	71.4	26	19	73.1	68	64	94.1	134	126	94.0	1,212	1,117	92.2
Unknown	1,524	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Total	14,822	11,854	80.0	33	16	48.5	189	116	61.4	527	447	84.8	1,227	1,085	88.4	11,290	10,190	90.3

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	13	0	1	22	0	2	20	0	9	25	0	2	37	0	3
Shoulder Belt Only Used	78	0	12	72	0	7	94	0	13	82	0	9	95	0	8
Lap Belt Only Used	52	1	8	51	0	8	30	0	6	16	0	2	33	0	3
Both Lap & Shoulder Belt Used	12,358	13	1,241	11,987	4	1,240	12,887	7	1,217	9,207	7	909	11,281	10	1,216
No Belts Used	77	3	26	69	7	33	61	2	19	68	1	26	71	7	35
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	4	0	0	6	0	0	8	0	1	6	0	1	12	0	2
Restraint Use Unknown	2,401	2	112	2,348	6	89	2,365	4	72	2,314	1	89	2,706	4	120
Helmet Worn	65	3	41	49	0	38	50	0	38	55	0	42	51	4	39
Helmet Not Worn	32	0	27	27	1	24	41	1	33	44	3	33	52	3	43
Helmet Use Unknown	5	0	2	2	1	1	8	0	4	4	0	4	7	0	2
Uncoded & Errors	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	15,086	22	1,470	14,633	19	1,442	15,564	14	1,412	11,821	12	1,117	14,345	28	1,471

5-Year Trend - Restraint Use Among Drivers Coded Drinking

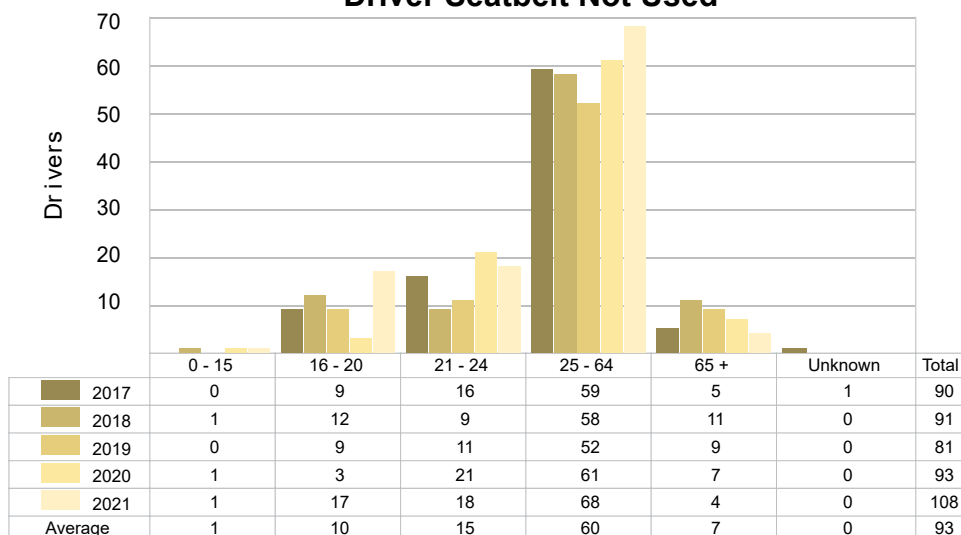
Restraint Use	2017			2018			2019			2020			2021		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No Belts Available	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0
Shoulder Belt Only Used	0	0	0	0	0	0	1	0	0	3	0	1	2	0	1
Lap Belt Only Used	1	0	0	2	0	1	1	0	1	0	0	0	0	0	0
Both Lap & Shoulder Belt Used	185	3	45	158	0	52	182	2	49	171	1	48	178	2	54
No Belts Used	11	2	8	12	2	10	6	1	4	6	0	4	14	4	9
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	97	1	26	67	0	17	77	1	16	76	0	24	72	0	17
Helmet Worn	6	1	4	0	0	0	1	0	1	2	0	1	1	0	1
Helmet Not Worn	6	0	6	5	1	4	6	1	5	5	0	5	6	1	5
Helmet Use Unknown	1	0	1	0	0	0	0	0	0	1	0	1	1	0	0
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	307	7	90	244	3	84	276	5	78	264	1	84	274	7	87

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	1	0	0	0	0	0	1	0	0	1	0	0
16 - 20	9	0	1	12	1	4	9	0	5	3	0	2	17	0	7
21 - 24	16	0	5	9	0	4	11	0	4	21	0	6	18	1	6
25 - 64	59	3	18	58	5	24	52	2	16	61	1	19	68	5	23
65 +	5	0	3	11	1	3	9	0	3	7	0	1	4	1	2
Unknown	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	90	3	27	91	7	35	81	2	28	93	1	28	108	7	38

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

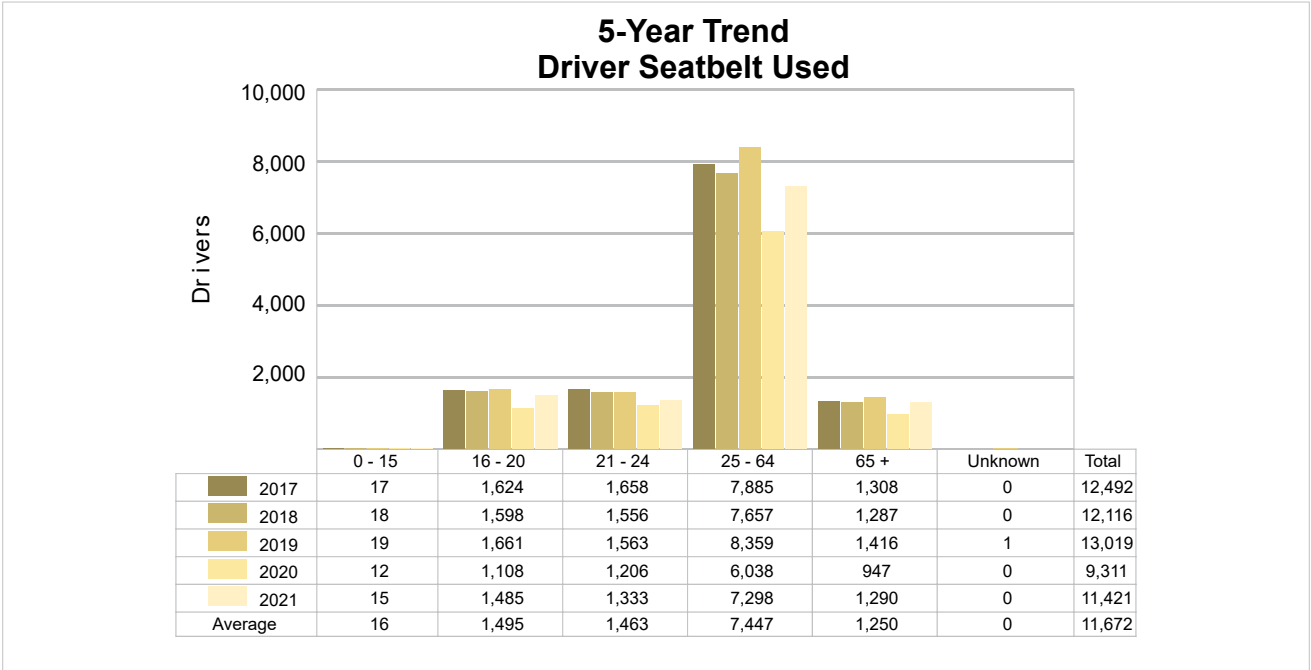
5-Year Trend Driver Seatbelt Not Used



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	17	0	2	18	0	3	19	0	1	12	0	4	15	0	3
16 - 20	1,624	0	138	1,598	0	150	1,661	0	146	1,108	1	107	1,485	0	139
21 - 24	1,658	1	144	1,556	0	168	1,563	1	140	1,206	0	116	1,333	0	143
25 - 64	7,885	8	801	7,657	2	776	8,359	3	805	6,038	2	589	7,298	7	774
65 +	1,308	5	176	1,287	2	158	1,416	3	144	947	4	105	1,290	3	170
Unknown	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Total	12,492	14	1,261	12,116	4	1,255	13,019	7	1,237	9,311	7	921	11,421	10	1,229

Note: Seatbelt Used includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, and restraint failure.



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	7,662	29	7,425	17	7,958	8	5,980	10	7,357	26
Speed Too Fast	827	3	801	6	940	1	577	2	663	7
Speed Too Slow	8	0	12	1	6	0	6	0	2	0
Failed to Yield	1,297	1	1,245	5	1,286	0	1,021	2	1,255	2
Disregard Traffic Control	364	4	354	3	354	3	312	3	355	2
Drove Wrong Way	8	1	15	0	7	0	12	0	8	0
Drove Left of Center	67	2	74	1	71	1	64	1	72	2
Improper Passing	68	0	83	1	66	0	48	0	69	1
Improper Lane Use	451	1	405	0	419	3	280	0	422	1
Improper Turn	228	1	247	0	221	0	210	1	233	0
Improper/No Signal	11	0	9	0	18	0	8	0	13	0
Improper Backing	168	0	187	0	183	0	127	0	131	0
Unable to Stop in Assured Clear Distance	2,374	4	2,187	1	2,230	0	1,515	1	1,850	0
Other	559	3	527	0	608	1	468	2	543	5
Unknown	650	4	747	3	887	7	902	8	1,067	10
Reckless Driving	64	1	61	4	61	0	79	0	57	1
Careless/Negligent Driving	277	1	251	2	249	0	212	0	248	3
Uncoded & Errors	3	0	3	0	0	0	0	0	0	0
Total	15,086	55	14,633	44	15,564	24	11,821	30	14,345	60

Office of Highway Safety Planning

Physical Address:
7150 Harris Drive
Dimondale, Michigan 48821

Mailing Address:
P.O. Box 30634
Lansing, Michigan 48909

Find us on the web:
MichiganTrafficCrashFacts.org
mtcf-info@umich.edu

