



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

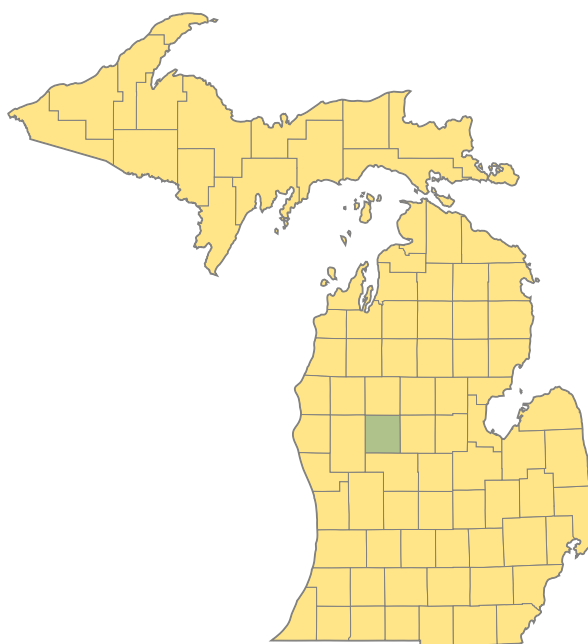
O = No Injury

Property Damage Only (PDO)



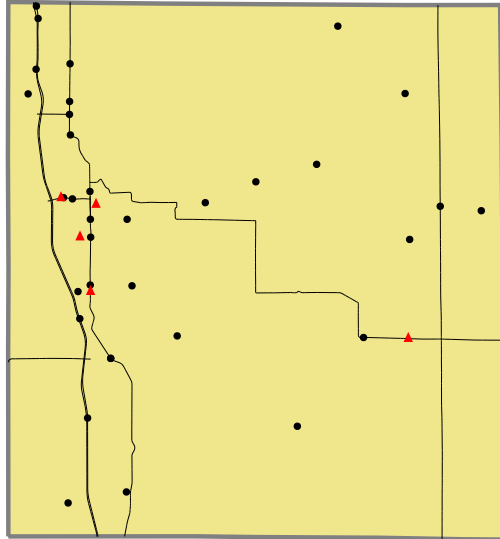
Mecosta County

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 (5/5)

● A - Suspected Serious (34/34)

2021 - Crashes and Injury by Month

Month	Crashes				People	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	128	0	16	112	0	18
February	110	0	10	100	0	10
March	99	0	11	88	0	12
April	87	0	11	76	0	17
May	117	1	14	102	1	21
June	132	1	18	113	1	23
July	106	1	22	83	1	33
August	128	0	23	105	0	35
September	155	0	22	133	0	37
October	236	0	19	217	0	27
November	273	1	30	242	1	44
December	194	1	24	169	1	31
Total	1,765	5	220	1,540	5	308

2021 - Driver Statistics

Age Group	Mecosta County			Driver Rates	
	2019 Population*	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	7,028	160	6	8.5	375.0
16 - 20	5,130	1,609	354	690.1	2,200.1
21 - 24	3,870	1,948	292	754.5	1,499.0
25 - 64	19,327	16,527	1,371	709.4	829.6
65 +	8,098	8,030	270	333.4	336.2
Unknown	0	0	77	--	--
Total	43,453	28,274	2,370	545.4	838.2

*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	1,790	75.5	4	50.0	265	1,521
Motor Home	1	0.0	0	0.0	0	1
Pickup Truck	472	19.9	3	37.5	60	409
Small Truck Under 10,000 lbs. GVWR	4	0.2	0	0.0	0	4
Motorcycle	12	0.5	1	12.5	8	3
Moped/Goped	0	0.0	0	0.0	0	0
Go-Cart/Golf Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.0	0	0.0	0	1
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	2	0.1	0	0.0	1	1
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	12	0.5	0	0.0	3	9
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	54	2.3	0	0.0	8	46
Uncoded & Errors	22	0.9	0	0.0	0	22
Total	2,370	100.0	8	100.0	345	2,017

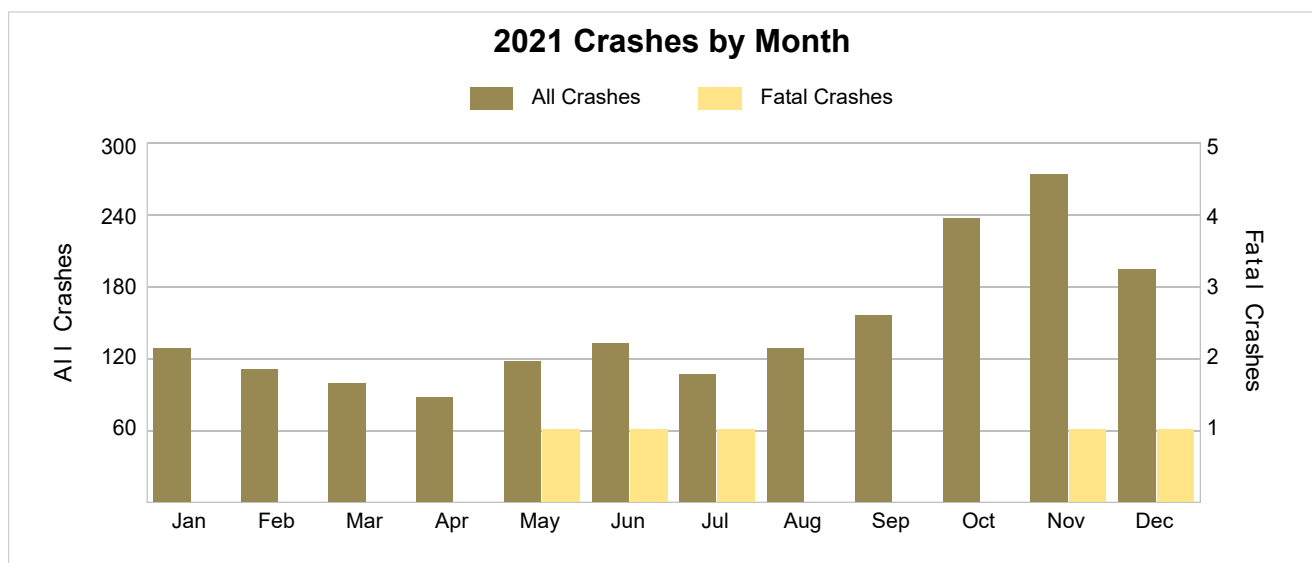
5-Year Trend - Crashes by Month

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	167	0	168	0	184	0	171	1	128	0
February	139	0	127	1	180	0	139	1	110	0
March	159	1	125	0	127	0	73	0	99	0
April	96	1	129	0	118	0	57	0	87	0
May	141	0	104	0	120	0	83	0	117	1
June	135	0	122	1	129	0	144	1	132	1
July	113	0	108	0	115	0	102	0	106	1
August	109	0	128	0	145	0	96	1	128	0
September	162	0	131	0	133	0	122	0	155	0
October	232	1	237	0	206	0	205	1	236	0
November	248	0	240	0	277	1	201	0	273	1
December	241	1	169	1	209	1	150	0	194	1
Total	1,942	4	1,788	3	1,943	2	1,543	5	1,765	5

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	295	1	272	0	279	0	203	0	270	0
Tuesday	279	0	257	0	289	0	226	1	247	1
Wednesday	285	0	261	0	277	0	204	0	218	0
Thursday	282	0	285	0	276	0	220	2	255	0
Friday	319 †	1	289 †	0	324 †	0	257 †	1	292 †	1
Saturday	253	1	249	2	249	0	225	0	279	2
Sunday	229	1	175	1	249	2	208	1	204	1
Total	1,942	4	1,788	3	1,943	2	1,543	5	1,765	5

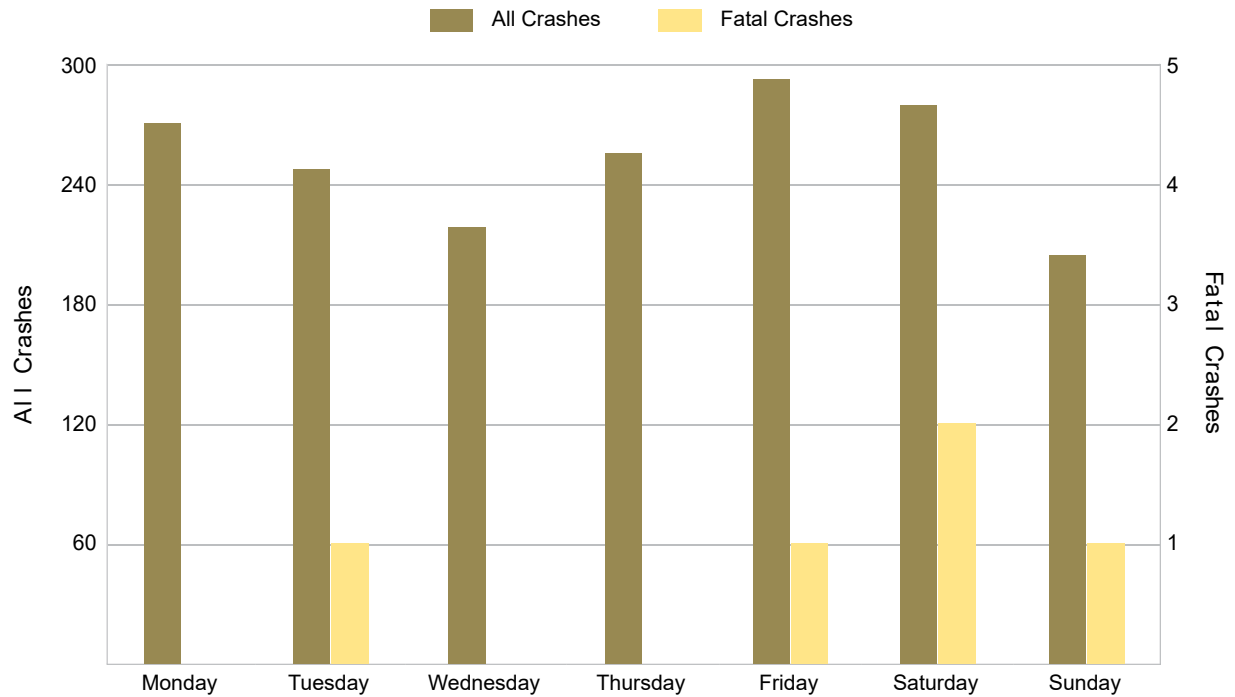
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred on the same day of the week.



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	270	15.3	0	0.0	5	12	9	244
Tuesday	247	14.0	1	20.0	5	8	14	219
Wednesday	218	12.4	0	0.0	1	6	13	198
Thursday	255	14.4	0	0.0	6	17	20	212
Friday	292	16.5	1	20.0	8	8	32	243
Saturday	279	15.8	2	40.0	5	12	15	245
Sunday	204	11.6	1	20.0	4	7	13	179
Total	1,765	100.0	5	100.0	34	70	116	1,540

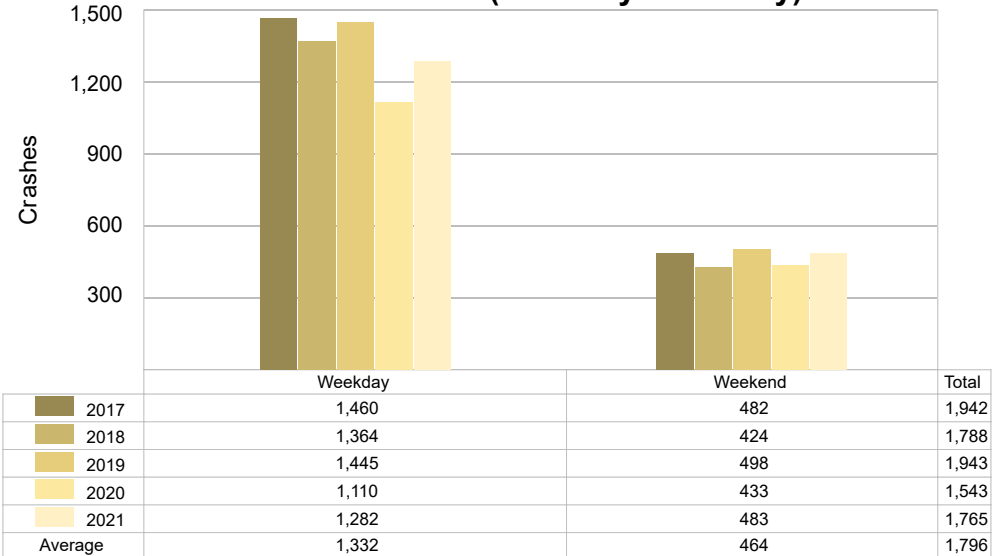
2021 Day of Week and Severity



5-Year Trend - Crashes by Weekday and Weekend

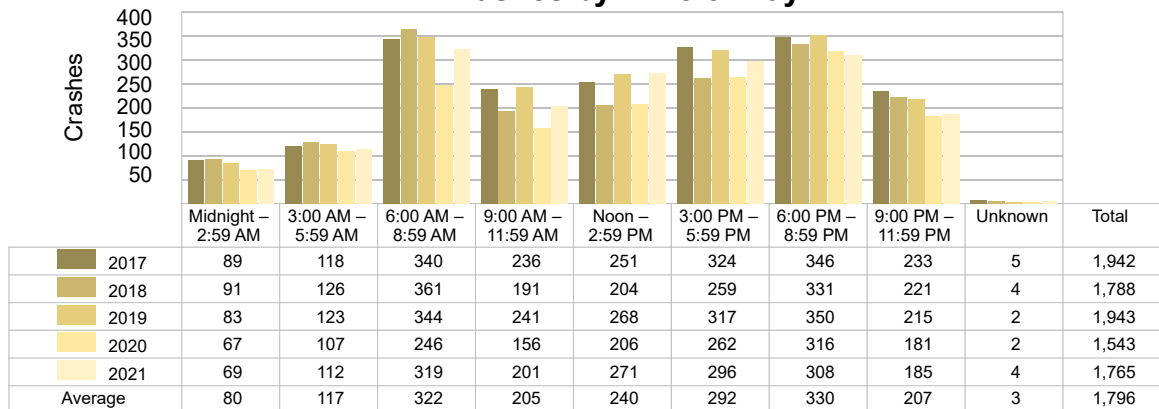
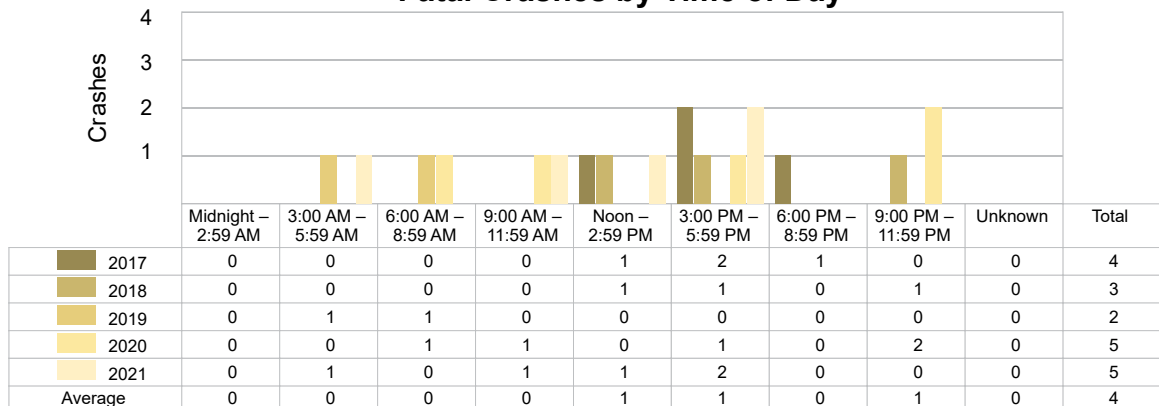
Portion of Week	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	1,460	2	1,364	0	1,445	0	1,110	4	1,282	2
Weekend	482	2	424	3	498	2	433	1	483	3
Total	1,942	4	1,788	3	1,943	2	1,543	5	1,765	5

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



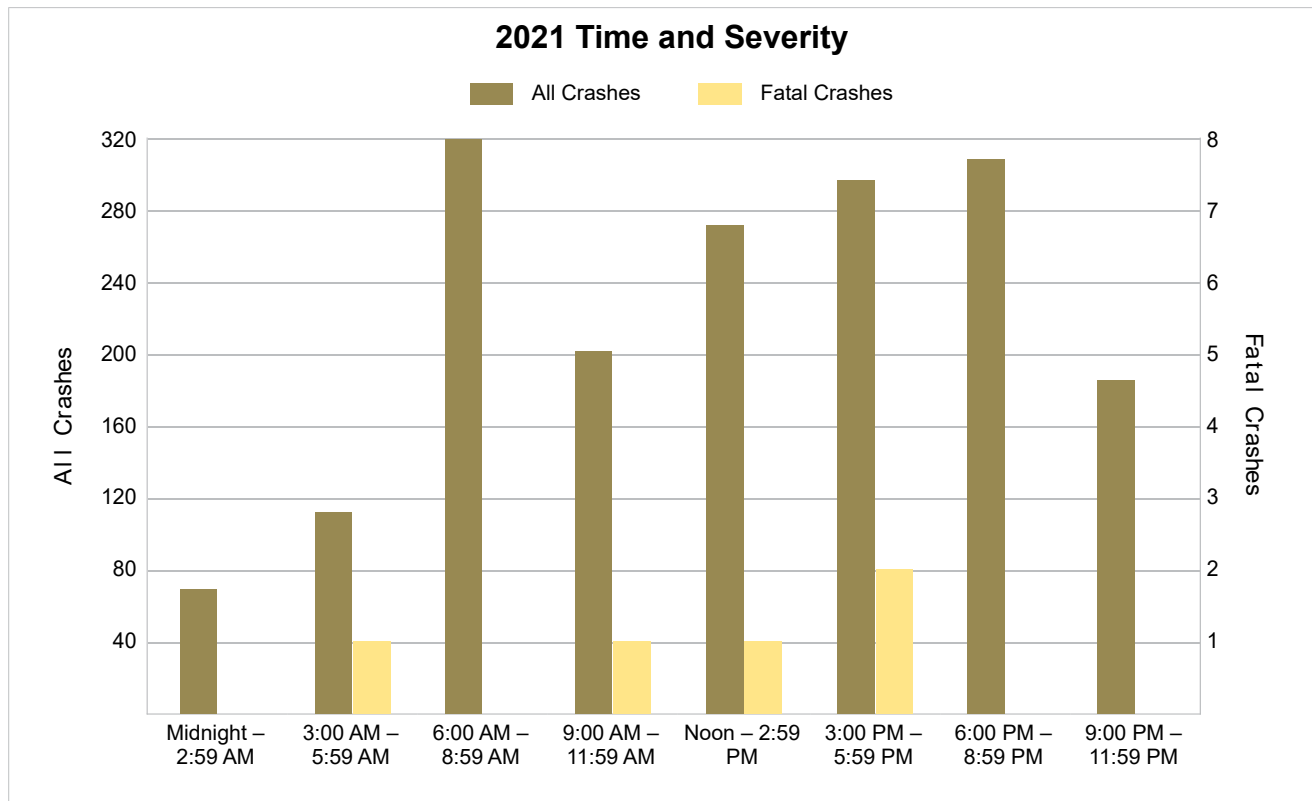
5-Year Trend - Crashes by Time of Day

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	89	0	91	0	83	0	67	0	69	0
3:00 AM – 5:59 AM	118	0	126	0	123	1	107	0	112	1
6:00 AM – 8:59 AM	340	0	361	0	344	1	246	1	319	0
9:00 AM – 11:59 AM	236	0	191	0	241	0	156	1	201	1
Noon – 2:59 PM	251	1	204	1	268	0	206	0	271	1
3:00 PM – 5:59 PM	324	2	259	1	317	0	262	1	296	2
6:00 PM – 8:59 PM	346	1	331	0	350	0	316	0	308	0
9:00 PM – 11:59 PM	233	0	221	1	215	0	181	2	185	0
Unknown	5	0	4	0	2	0	2	0	4	0
Total	1,942	4	1,788	3	1,943	2	1,543	5	1,765	5

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

2021 - Time and Severity

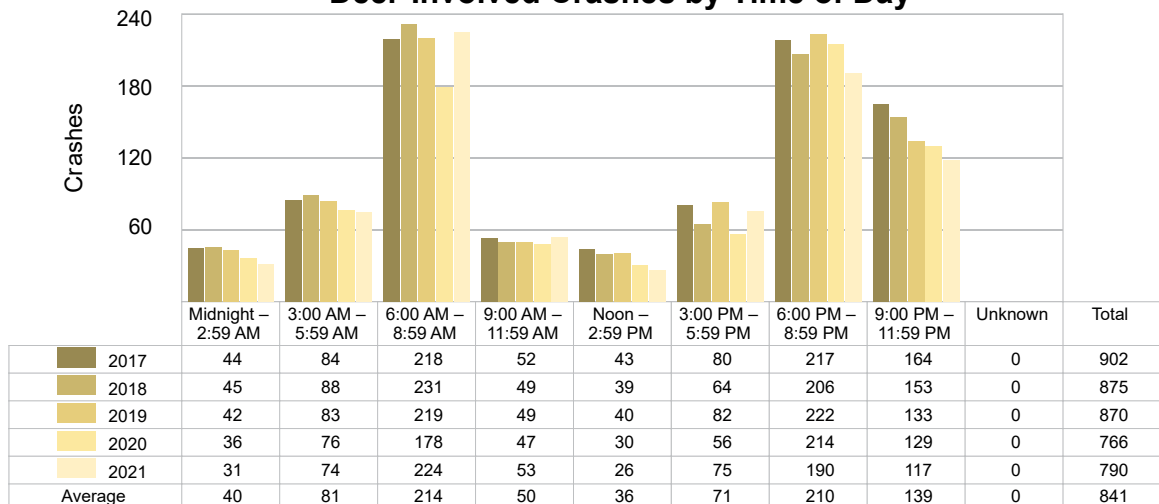
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight – 2:59 AM	69	3.9	0	0.0	1	6	3	59
3:00 AM – 5:59 AM	112	6.3	1	20.0	3	4	2	102
6:00 AM – 8:59 AM	319	18.1	0	0.0	1	11	8	299
9:00 AM – 11:59 AM	201	11.4	1	20.0	7	13	19	161
Noon – 2:59 PM	271	15.4	1	20.0	5	13	28	224
3:00 PM – 5:59 PM	296	16.8	2	40.0	6	12	31	245
6:00 PM – 8:59 PM	308	17.5	0	0.0	4	9	15	280
9:00 PM – 11:59 PM	185	10.5	0	0.0	6	2	10	167
Unknown	4	0.2	0	0.0	1	0	0	3
Total	1,765	100.0	5	100.0	34	70	116	1,540



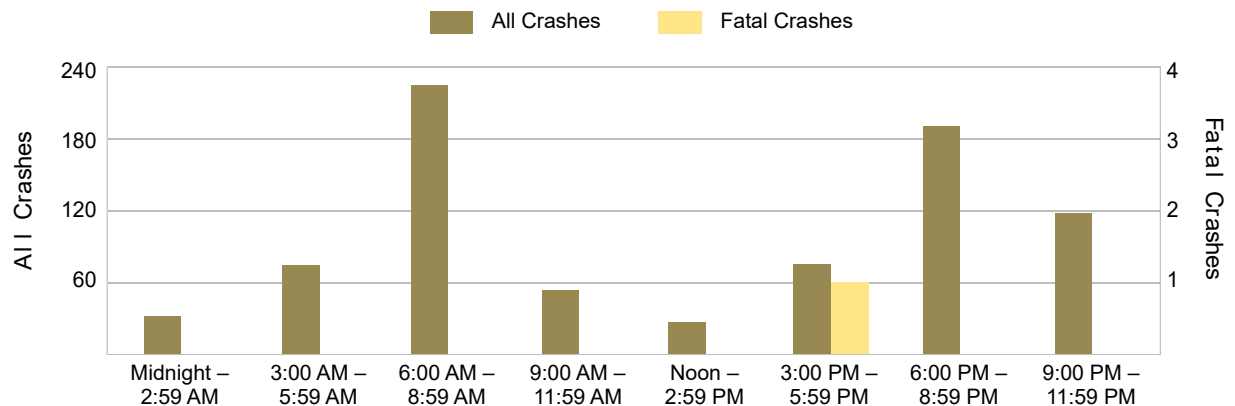
5-Year Trend - Deer-Involved Crashes by Time of Day

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	44	0	45	0	42	0	36	0	31	0
3:00 AM – 5:59 AM	84	0	88	0	83	0	76	0	74	0
6:00 AM – 8:59 AM	218	0	231	0	219	0	178	0	224	0
9:00 AM – 11:59 AM	52	0	49	0	49	0	47	0	53	0
Noon – 2:59 PM	43	0	39	0	40	0	30	0	26	0
3:00 PM – 5:59 PM	80	0	64	0	82	0	56	0	75	1
6:00 PM – 8:59 PM	217	0	206	0	222	0	214	0	190	0
9:00 PM – 11:59 PM	164	0	153	0	133	0	129	0	117	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	902	0	875	0	870	0	766	0	790	1

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



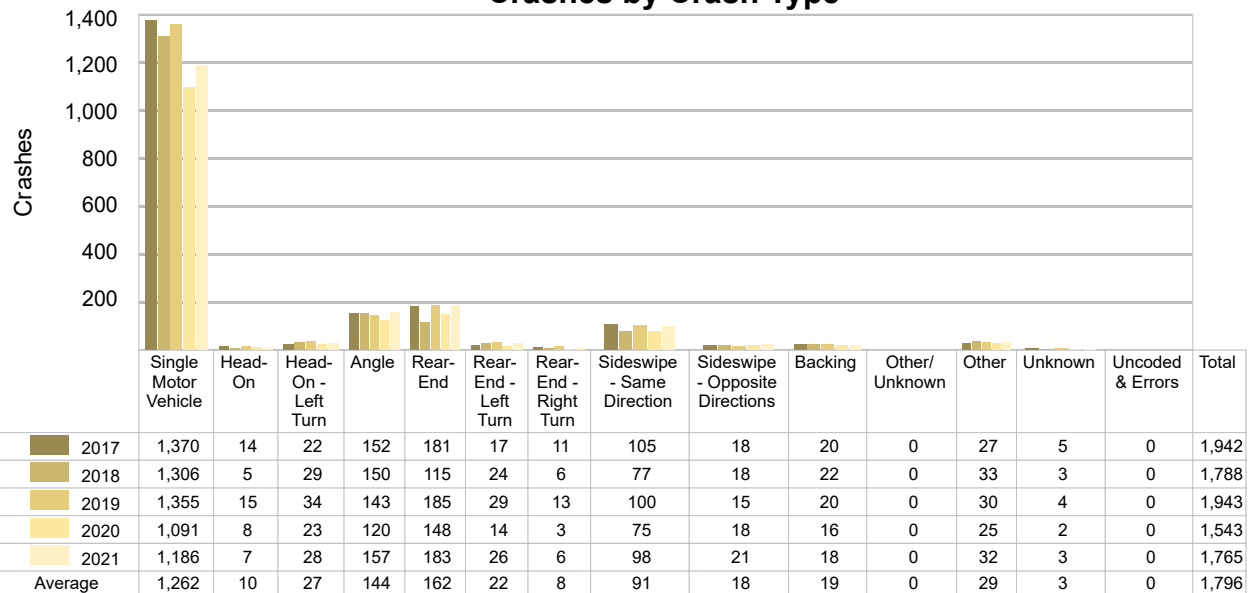
2021 Time and Severity of Deer-Involved Crashes



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	1,370	2	1,306	2	1,355	2	1,091	2	1,186	3
Head-On	14	0	5	0	15	0	8	1	7	0
Head-On - Left Turn	22	1	29	0	34	0	23	0	28	1
Angle	152	1	150	0	143	0	120	0	157	1
Rear-End	181	0	115	0	185	0	148	1	183	0
Rear-End - Left Turn	17	0	24	1	29	0	14	0	26	0
Rear-End - Right Turn	11	0	6	0	13	0	3	0	6	0
Sideswipe - Same Direction	105	0	77	0	100	0	75	0	98	0
Sideswipe - Opposite Directions	18	0	18	0	15	0	18	0	21	0
Backing	20	0	22	0	20	0	16	0	18	0
Other/Unknown	0	0	0	0	0	0	0	0	0	0
Other	27	0	33	0	30	0	25	1	32	0
Unknown	5	0	3	0	4	0	2	0	3	0
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0
Total	1,942	4	1,788	3	1,943	2	1,543	5	1,765	5

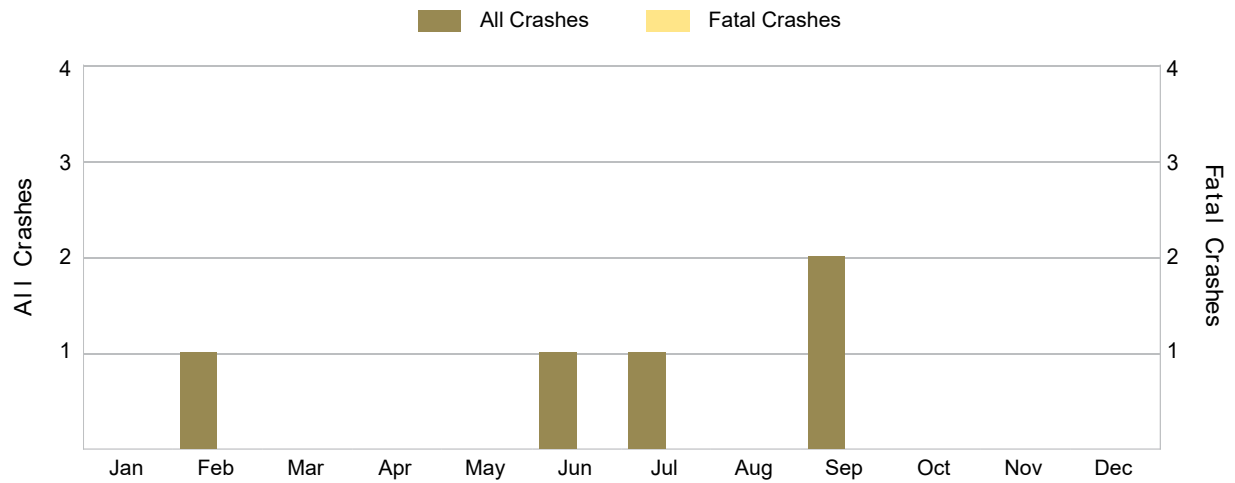
5-Year Trend Crashes by Crash Type



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	0	0	2	0	3	0	0	0	0	0
February	1	0	0	0	1	0	1	1	1	0
March	1	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	1	0	0	0	0	0
June	0	0	1	1	0	0	0	0	1	0
July	0	0	1	0	2	0	1	0	1	0
August	1	0	0	0	1	0	2	1	0	0
September	3	0	2	0	0	0	0	0	2	0
October	1	0	1	0	2	0	2	1	0	0
November	1	0	2	0	1	0	0	0	0	0
December	0	0	0	0	1	1	0	0	0	0
Total	9	0	9	1	13	1	6	3	5	0

2021 Pedestrian-Involved Crashes by Month

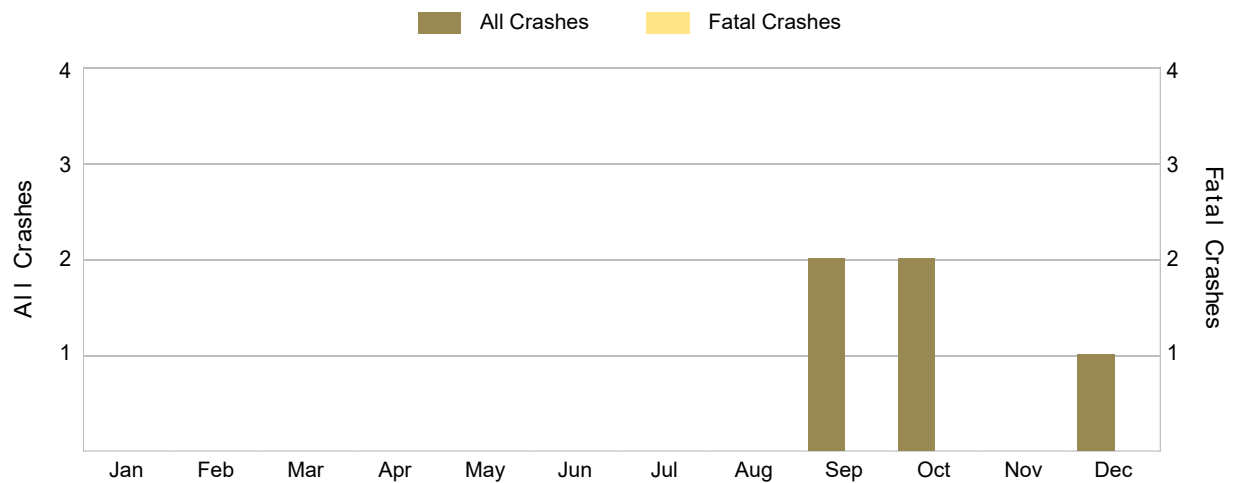


There were no fatal pedestrian-involved crashes in Mecosta County in 2021.

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	1	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	1	0	0	0	0	0
June	0	0	0	0	1	0	0	0	0	0
July	1	0	0	0	0	0	2	0	0	0
August	0	0	2	0	1	0	1	0	0	0
September	1	0	1	0	1	0	0	0	2	0
October	0	0	0	0	1	0	0	0	2	0
November	1	0	0	0	0	0	0	0	0	0
December	1	0	0	0	0	0	0	0	1	0
Total	4	0	4	0	5	0	3	0	5	0

2021 Bicyclist-Involved Crashes by Month



There were no fatal bicyclist-involved crashes in Mecosta County in 2021.

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
Aetna Twp.	102	0	17	85	0	35	24	43	2	1	35	0	0
Austin Twp.	57	0	4	53	0	0	0	57	0	0	40	0	0
Barryton	0	0	0	0	0	0	0	0	0	0	0	0	0
Big Rapids	334	1	46	287	0	34	219	80	12	2	15	3	3
Big Rapids Twp.	225	2	29	194	0	40	87	98	8	1	97	2	0
Chippewa Twp.	60	0	8	52	0	0	0	60	2	0	39	0	0
Colfax Twp.	84	0	8	76	0	0	26	58	1	1	54	0	1
Deerfield Twp.	53	0	4	49	0	0	19	34	1	0	33	0	0
Fork Twp.	54	0	6	48	0	0	22	32	2	0	32	0	0
Grant Twp.	23	0	3	20	0	0	0	23	2	1	10	0	0
Green Twp.	182	0	34	148	0	60	56	66	7	0	89	0	0
Hinton Twp.	40	0	2	38	0	0	0	40	1	0	31	0	0
Martiny Twp.	73	0	11	62	0	0	7	66	1	1	36	0	0
Mecosta	0	0	0	0	0	0	0	0	0	0	0	0	0
Mecosta Twp.	180	1	22	157	0	37	87	55	1	0	92	0	0
Millbrook Twp.	60	0	2	58	0	0	34	26	0	0	48	0	0
Morley	0	0	0	0	0	0	0	0	0	0	0	0	0
Morton Twp.	100	0	8	92	0	0	37	63	3	1	58	0	1
Sheridan Twp.	61	0	7	54	0	0	26	35	1	0	37	0	0
Stanwood	0	0	0	0	0	0	0	0	0	0	0	0	0
Wheatland Twp.	77	1	9	67	0	0	60	15	4	1	44	0	0
Total	1,765	5	220	1,540	0	206	704	851	48	9	790	5	5

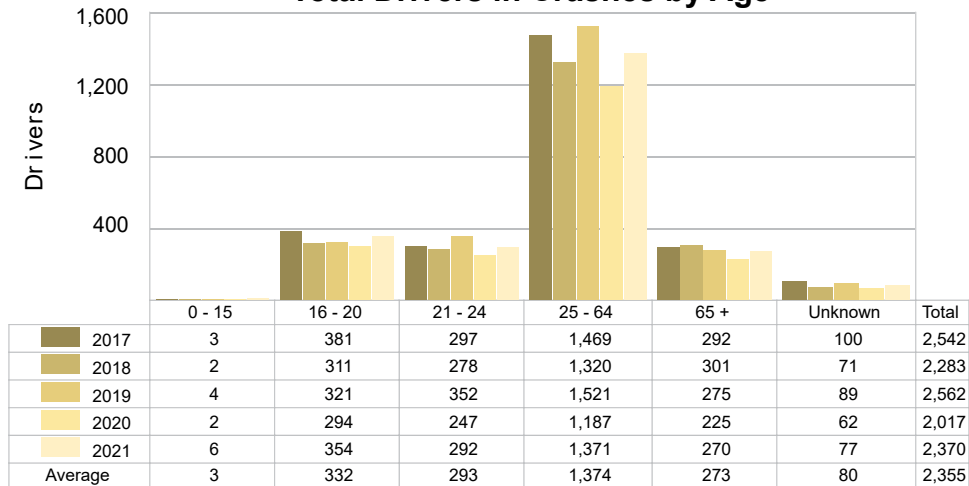
2021 - People in Reported Motor Vehicle Crashes by Municipality

Municipality	People					
	Fatalities	Suspected Serious Injuries	Suspected Minor Injuries	Possible Injuries	No Injuries	Uncoded & Errors
Aetna Twp.	0	6	19	11	123	6
Austin Twp.	0	1	5	1	59	0
Barryton	0	0	0	0	0	0
Big Rapids	1	7	45	95	729	44
Big Rapids Twp.	2	8	11	46	291	4
Chippewa Twp.	0	1	7	5	54	4
Colfax Twp.	0	1	4	11	87	1
Deerfield Twp.	0	0	9	1	56	2
Fork Twp.	0	2	0	9	56	4
Grant Twp.	0	0	1	2	22	1
Green Twp.	0	12	18	29	197	4
Hinton Twp.	0	2	0	2	41	0
Martiny Twp.	0	4	5	9	74	1
Mecosta	0	0	0	0	0	0
Mecosta Twp.	1	17	18	14	204	3
Millbrook Twp.	0	0	1	2	67	0
Morley	0	0	0	0	0	0
Morton Twp.	0	3	3	8	114	0
Sheridan Twp.	0	4	4	1	59	3
Stanwood	0	0	0	0	0	0
Wheatland Twp.	1	0	11	8	98	3
Total	5	68	161	254	2,331	80

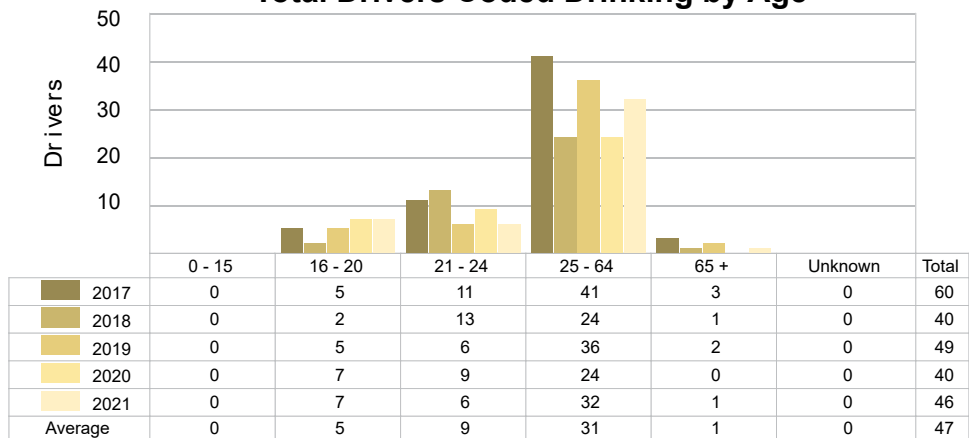
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	2	0	4	0	2	0	6	0
16 - 20	381	5	311	2	321	5	294	7	354	7
21 - 24	297	11	278	13	352	6	247	9	292	6
25 - 64	1,469	41	1,320	24	1,521	36	1,187	24	1,371	32
65 +	292	3	301	1	275	2	225	0	270	1
Unknown	100	0	71	0	89	0	62	0	77	0
Total	2,542	60	2,283	40	2,562	49	2,017	40	2,370	46

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	10	8	6	7	0	1	2	2	2
21 - 24	8	9	5	6	0	0	2	1	3
25 - 64	38	30	23	32	0	2	9	8	13
65 +	1	2	1	1	0	0	0	0	1
Unknown	4	0	0	0	0	0	0	0	0
Total	61	49	35	46	0	3	13	11	19

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).

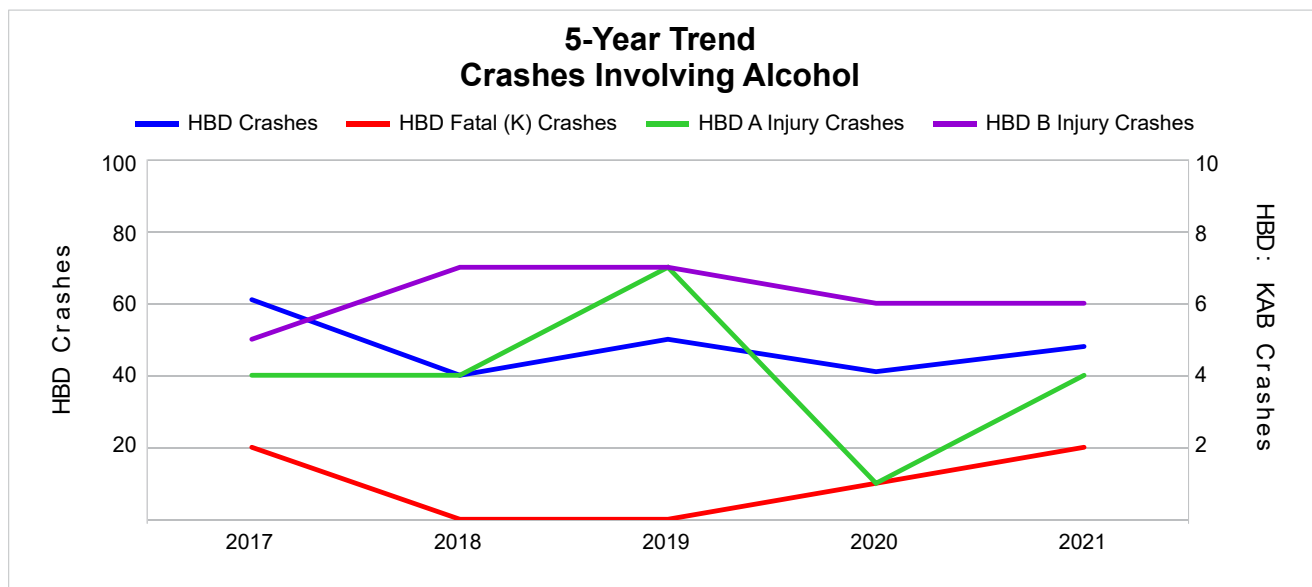
A driver may be coded by the officer as drinking even though no test is administered.

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	1,942	61	3.1	4	2	50.0	23	4	17.4	55	5	9.1
2018	1,788	40	2.2	3	0	0.0	21	4	19.0	69	7	10.1
2019	1,943	50	2.6	2	0	0.0	42	7	16.7	55	7	12.7
2020	1,543	41	2.7	5	1	20.0	27	1	3.7	51	6	11.8
2021	1,765	48	2.7	5	2	40.0	34	4	11.8	70 **	6	8.6 *

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

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



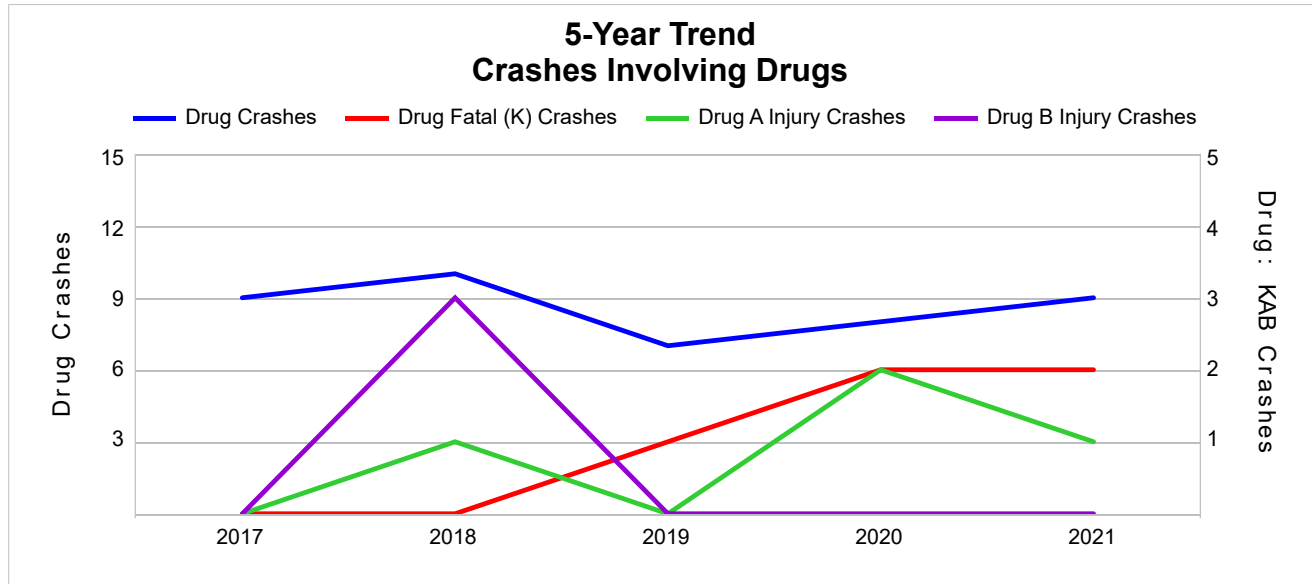
Note: Had-Been-Drinking (HBD)

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	1,942	9	0.5	4	0	0.0	23	0	0.0	55	0	0.0
2018	1,788	10	0.6	3	0	0.0	21	1	4.8	69	3	4.3
2019	1,943	7	0.4	2	1	50.0	42	0	0.0	55	0	0.0
2020	1,543	8	0.5	5	2	40.0	27	2	7.4	51	0	0.0
2021	1,765	9	0.5	5	2	40.0	34	1	2.9	70 **	0	0.0

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.

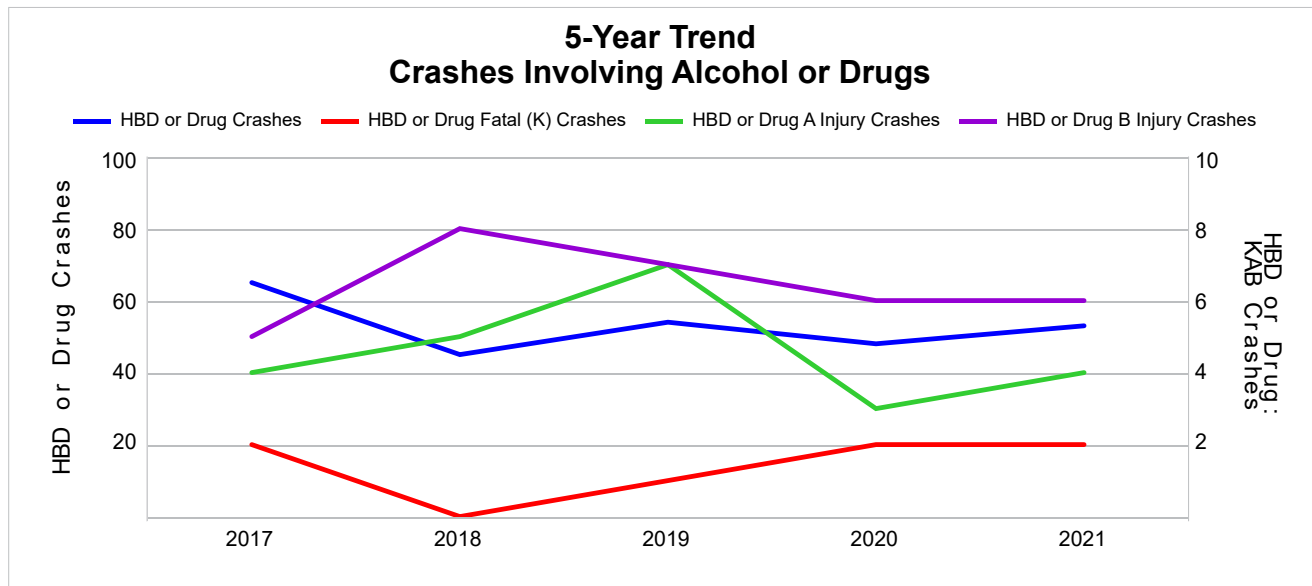


5-Year Trend - Crashes Involving Alcohol or Drugs

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	1,942	65	3.3	4	2	50.0	23	4	17.4	55	5	9.1
2018	1,788	45	2.5	3	0	0.0	21	5	23.8	69	8	11.6
2019	1,943	54	2.8	2	1	50.0	42	7	16.7	55	7	12.7
2020	1,543	48	3.1	5	2	40.0	27	3	11.1	51	6	11.8
2021	1,765	53	3.0	5	2	40.0	34	4	11.8	70 **	6	8.6 *

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

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



Note: Had-Been-Drinking (HBD)

2021 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Vehicle Type

Vehicle Type	Total Occupants			Fatalities			A - Suspected Serious			B - Suspected Minor			C - Possible Injury			No Injury		
	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%
Passenger Car, SUV, Van	1,855	1,766	95.2	3	3	100.0	25	23	92.0	70	65	92.9	140	126	90.0	1,572	1,549	98.5
Motor Home	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Pickup Truck	485	462	95.3	1	0	0.0	8	6	75.0	11	9	81.8	31	31	100.0	423	416	98.3
Small Truck Under 10,000 lbs. GVWR	4	3	75.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	3	75.0
Motorcycle	14	11	78.6	1	1	100.0	3	2	66.7	6	5	83.3	1	0	0.0	3	3	100.0
Moped/Goped	0	0	0.0	0	0	0.0	0	0	0.0	0	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	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	3	1	33.3	0	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0	1	1	100.0
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	12	7	58.3	0	0	0.0	1	0	0.0	0	0	0.0	1	0	0.0	9	7	77.8
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	54	52	96.3	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	52	51	98.1
Uncoded & Errors	22	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	2,451	2,304	94.0	5	4	80.0	37	31	83.8	88	79	89.8	175	158	90.3	2,066	2,032	98.4

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	23	19	82.6	0	0	0.0	1	0	0.0	5	4	80.0	12	10	83.3	5	5	100.0
16 - 20	369	357	96.7	1	0	0.0	10	8	80.0	18	17	94.4	28	26	92.9	312	306	98.1
21 - 24	293	285	97.3	0	0	0.0	8	6	75.0	9	8	88.9	15	13	86.7	260	258	99.2
25 - 64	1,409	1,370	97.2	3	3	100.0	11	10	90.9	44	39	88.6	96	86	89.6	1,253	1,232	98.3
65 +	280	273	97.5	1	1	100.0	7	7	100.0	12	11	91.7	24	23	95.8	236	231	97.9
Unknown	77	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	2,451	2,304	94.0	5	4	80.0	37	31	83.8	88	79	89.8	175	158	90.3	2,066	2,032	98.4

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	5	0	0	5	0	1	1	0	0	4	0	0	5	0	2
Shoulder Belt Only Used	17	0	1	6	0	0	5	0	0	2	0	0	7	0	1
Lap Belt Only Used	16	0	0	14	0	5	15	0	0	2	0	1	3	0	2
Both Lap & Shoulder Belt Used	2,347	1	147	2,150	2	190	2,407	0	200	1,910	1	147	2,213	2	191
No Belts Used	20	0	6	16	0	4	17	0	6	11	1	9	14	0	11
Child Restraint Used - Forward Facing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Not Used, Unavailable or Improper Use	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Used - Rear Facing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Used - Booster Seat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint Failure	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
Restraint Use Unknown	123	0	3	80	0	1	105	0	2	81	0	2	114	0	6
Helmet Worn	11	1	6	7	0	6	9	0	6	3	0	2	10	0	6
Helmet Not Worn	3	1	1	4	0	1	3	0	3	3	0	1	3	0	3
Helmet Use Unknown	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,542	3	164	2,283	2	208	2,562	0	217	2,017	2	163	2,370	2	222

5-Year Trend - Restraint Use Among Drivers Coded Drinking

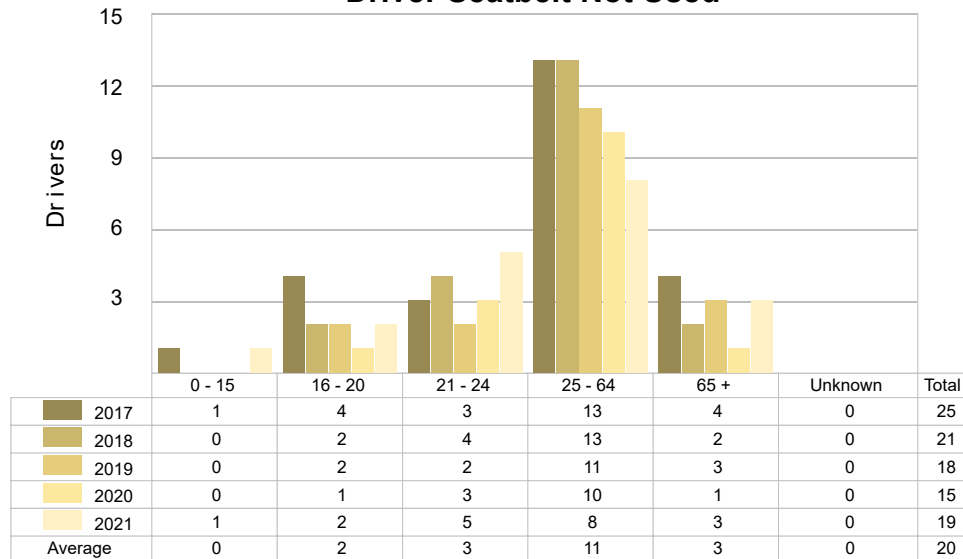
Restraint Use	2017			2018			2019			2020			2021		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No Belts Available	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Shoulder Belt Only Used	1	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	44	0	10	35	0	14	42	0	11	33	0	8	30	0	5
No Belts Used	5	0	2	0	0	0	2	0	2	1	0	1	5	0	5
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	1	0	0	0	0	0	0	0	0	0	0	0
Restraint Use Unknown	8	0	0	3	0	1	4	0	1	5	0	1	9	0	5
Helmet Worn	1	1	0	0	0	0	1	0	1	0	0	0	1	0	1
Helmet Not Worn	1	1	0	1	0	1	0	0	0	1	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	60	2	12	40	0	16	49	0	15	40	0	10	46	0	17

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	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
16 - 20	4	0	0	2	0	2	2	0	0	1	0	1	2	0	2
21 - 24	3	0	1	4	0	1	2	0	0	3	0	1	5	0	5
25 - 64	13	0	4	13	0	2	11	0	5	10	1	6	8	0	4
65 +	4	0	0	2	0	0	3	0	1	1	0	1	3	0	1
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	25	0	6	21	0	5	18	0	6	15	1	9	19	0	13

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

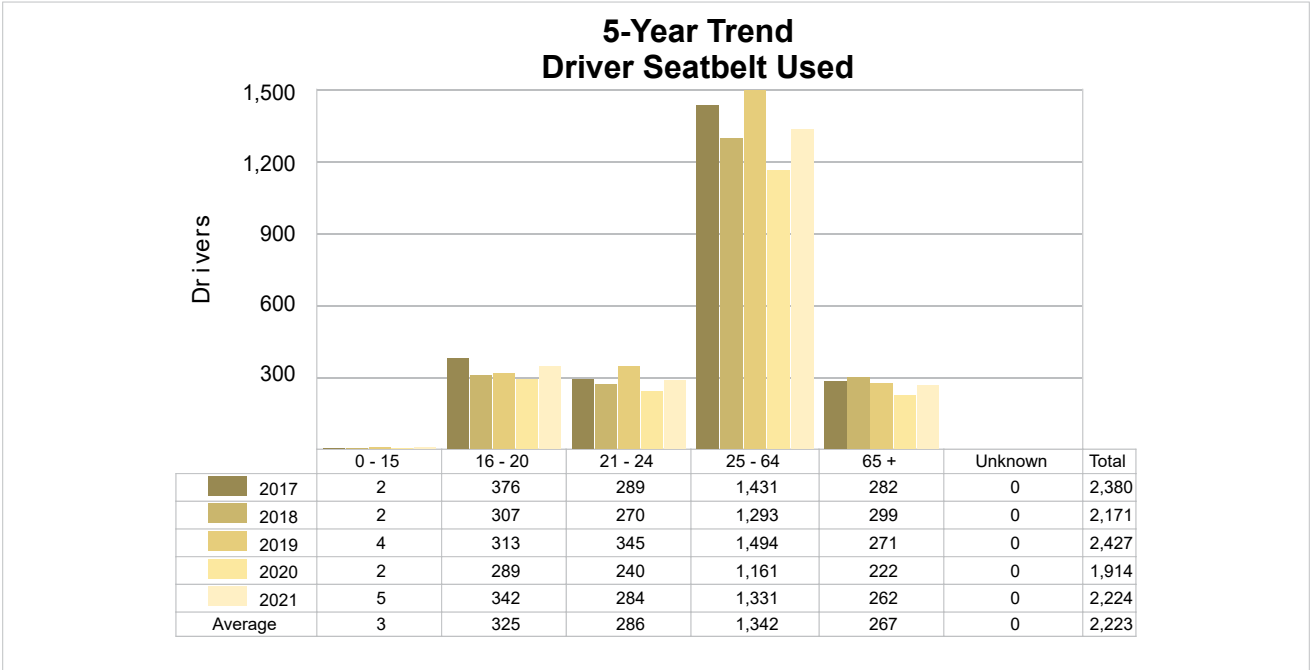
5-Year Trend Driver Seatbelt Not Used



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	2	0	1	2	0	0	4	0	0	2	0	0	5	0	0
16 - 20	376	0	27	307	1	32	313	0	30	289	0	30	342	0	36
21 - 24	289	0	17	270	1	29	345	0	28	240	0	20	284	0	26
25 - 64	1,431	0	86	1,293	0	116	1,494	0	115	1,161	1	76	1,331	1	100
65 +	282	1	17	299	0	18	271	0	27	222	0	22	262	1	32
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,380	1	148	2,171	2	195	2,427	0	200	1,914	1	148	2,224	2	194

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	1,609	2	1,459	1	1,589	1	1,316	3	1,470	4
Speed Too Fast	300	0	268	1	336	1	191	2	235	1
Speed Too Slow	0	0	0	0	3	0	2	0	1	0
Failed to Yield	167	1	162	0	165	0	135	1	163	1
Disregard Traffic Control	18	0	18	0	20	0	17	0	25	0
Drove Wrong Way	0	0	0	0	1	0	0	0	1	0
Drove Left of Center	9	0	6	0	6	0	2	0	6	0
Improper Passing	6	0	13	0	13	0	5	0	10	0
Improper Lane Use	46	0	36	0	34	0	31	1	48	0
Improper Turn	17	0	19	0	25	0	20	0	16	0
Improper/No Signal	4	0	2	0	1	0	0	0	2	0
Improper Backing	24	0	24	0	27	0	20	0	20	0
Unable to Stop in Assured Clear Distance	160	0	118	0	192	0	143	0	190	0
Other	44	0	41	0	44	0	47	0	44	0
Unknown	45	1	47	1	50	0	25	1	42	0
Reckless Driving	20	1	11	0	7	0	7	0	16	1
Careless/Negligent Driving	73	1	59	1	49	0	56	0	81	1
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0
Total	2,542	6	2,283	4	2,562	2	2,017	8	2,370	8

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

