



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

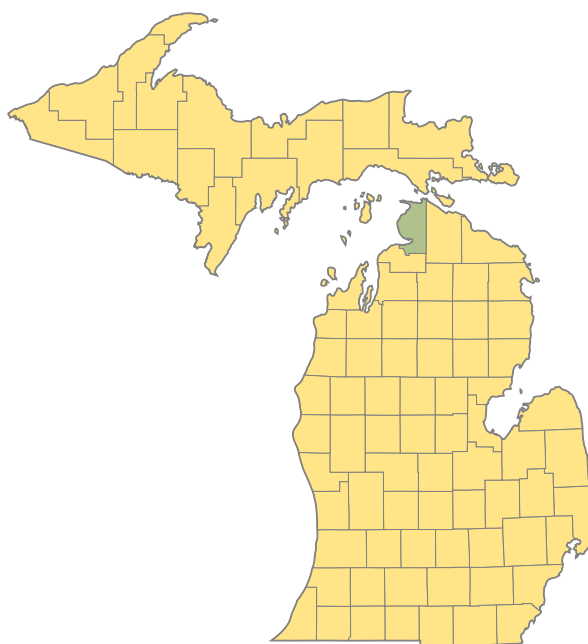
O = No Injury

Property Damage Only (PDO)



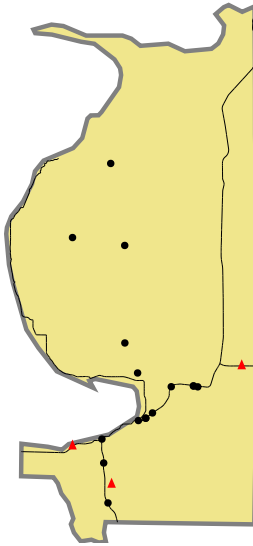
Emmet County

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 (3/3)

● A - Suspected Serious (16/18)

2021 - Crashes and Injury by Month

Month	Crashes				People	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	94	0	6	88	0	6
February	91	0	10	81	0	11
March	72	0	11	61	0	16
April	61	1	5	55	1	6
May	67	1	14	52	1	15
June	97	0	18	79	0	22
July	121	0	18	103	0	20
August	100	1	17	82	1	21
September	119	0	18	101	0	25
October	122	0	22	100	0	29
November	149	0	15	134	0	18
December	144	0	7	137	0	10
Total	1,237	3	161	1,073	3	199

2021 - Driver Statistics

Age Group	Emmet County			Driver Rates	
	2019 Population*	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	5,462	151	3	5.5	198.7
16 - 20	1,889	1,598	178	942.3	1,113.9
21 - 24	1,472	1,471	125	849.2	849.8
25 - 64	16,798	16,462	1,115	663.8	677.3
65 +	7,794	8,513	315	404.2	370.0
Unknown	0	0	67	--	--
Total	33,415	28,195	1,803	539.6	639.5

*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	1,329	73.7	3	75.0	190	1,136
Motor Home	22	1.2	0	0.0	4	18
Pickup Truck	354	19.6	0	0.0	52	302
Small Truck Under 10,000 lbs. GVWR	15	0.8	0	0.0	1	14
Motorcycle	20	1.1	0	0.0	17	3
Moped/Goped	1	0.1	0	0.0	1	0
Go-Cart/Golf Cart	1	0.1	0	0.0	1	0
Snowmobile	1	0.1	0	0.0	1	0
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	4	0.2	0	0.0	2	2
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	2	0.1	0	0.0	0	2
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	46	2.6	1	25.0	11	34
Uncoded & Errors	8	0.4	0	0.0	0	8
Total	1,803	100.0	4	100.0	280	1,519

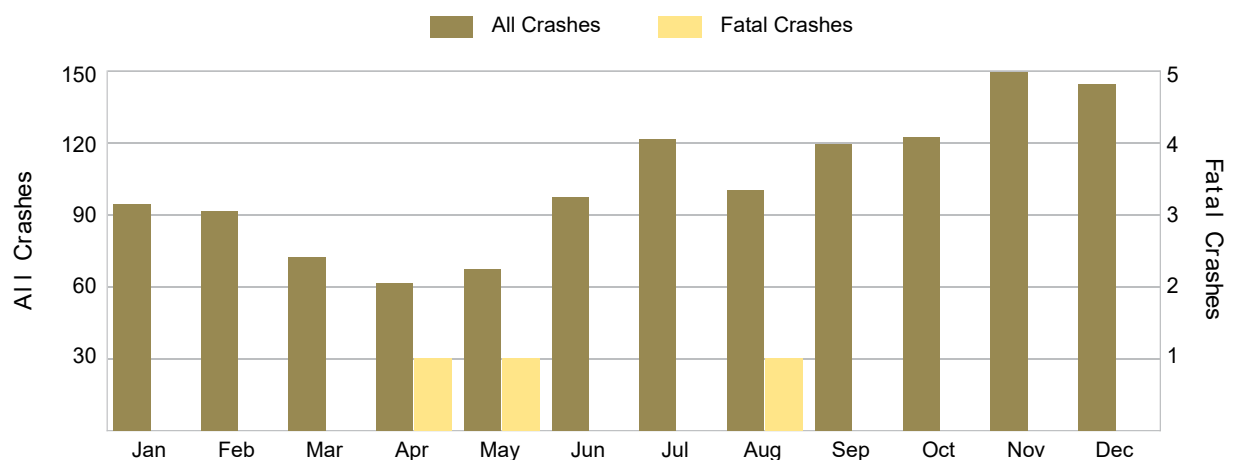
5-Year Trend - Crashes by Month

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	138	1	142	0	167	0	109	0	94	0
February	107	0	133	0	113	0	95	0	91	0
March	102	0	93	0	134	0	59	0	72	0
April	68	0	86	0	108	0	25	1	61	1
May	85	0	83	0	67	0	52	0	67	1
June	97	0	125	0	97	1	87	0	97	0
July	109	0	134	1	95	1	95	1	121	0
August	119	0	123	1	98	0	99	1	100	1
September	108	1	112	0	82	0	82	0	119	0
October	137	0	131	1	93	0	124	0	122	0
November	183	0	185	0	157	0	105	0	149	0
December	223	0	186	0	154	1	112	0	144	0
Total	1,476	2	1,533	3	1,365	3	1,044	3	1,237	3

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	215	0	260	1	195	1	146	0	205	1
Tuesday	203	0	238	0	210	0	175	0	183	0
Wednesday	229	0	214	1	244	0	163	0	184	0
Thursday	240	1	215	0	220	0	166	2	206	1
Friday	248	0	281	1	229	1	159	1	195	0
Saturday	181	1	179	0	143	0	138	0	151	0
Sunday	160	0	146	0	124	1	97	0	113	1
Total	1,476	2	1,533	3	1,365	3	1,044	3	1,237	3

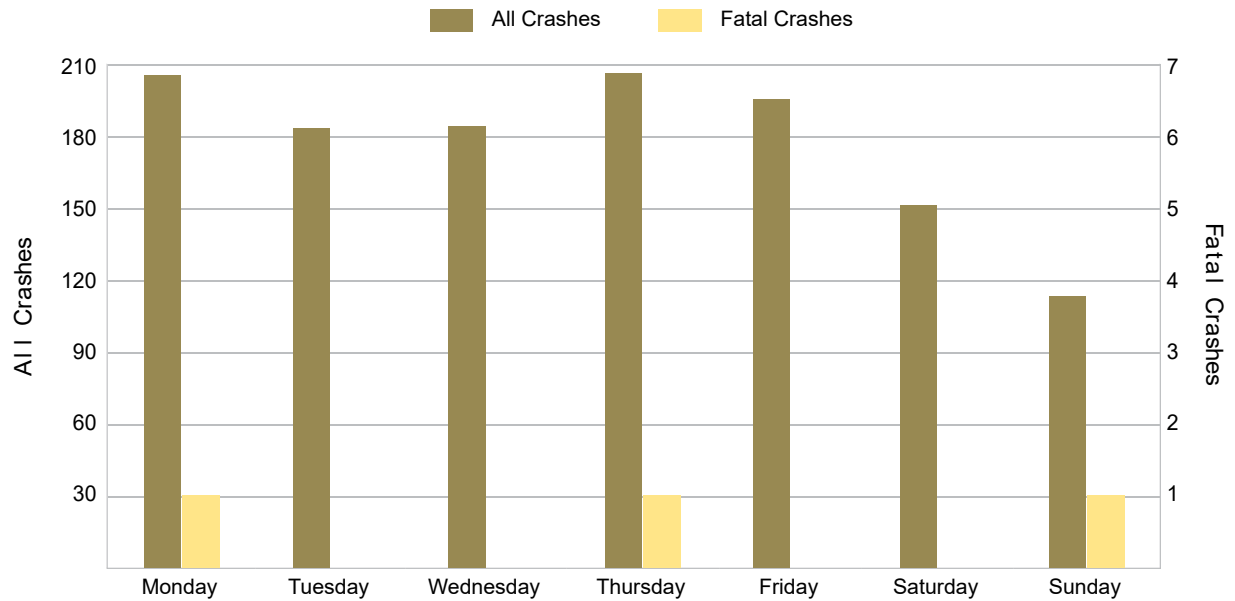
2021 Crashes by Month



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	205	16.6	1	33.3	2	11	19	172
Tuesday	183	14.8	0	0.0	5	5	14	159
Wednesday	184	14.9	0	0.0	0	7	14	163
Thursday	206	16.7	1	33.3	1	13	15	176
Friday	195	15.8	0	0.0	3	3	9	180
Saturday	151	12.2	0	0.0	3	6	12	130
Sunday	113	9.1	1	33.3	4	6	9	93
Total	1,237	100.0	3	100.0	18	51	92	1,073

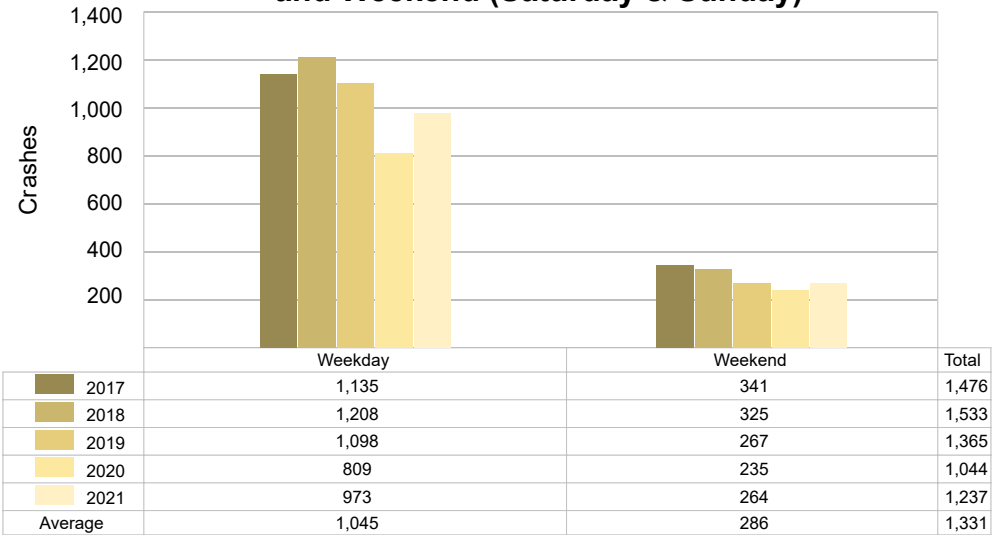
2021 Day of Week and Severity



5-Year Trend - Crashes by Weekday and Weekend

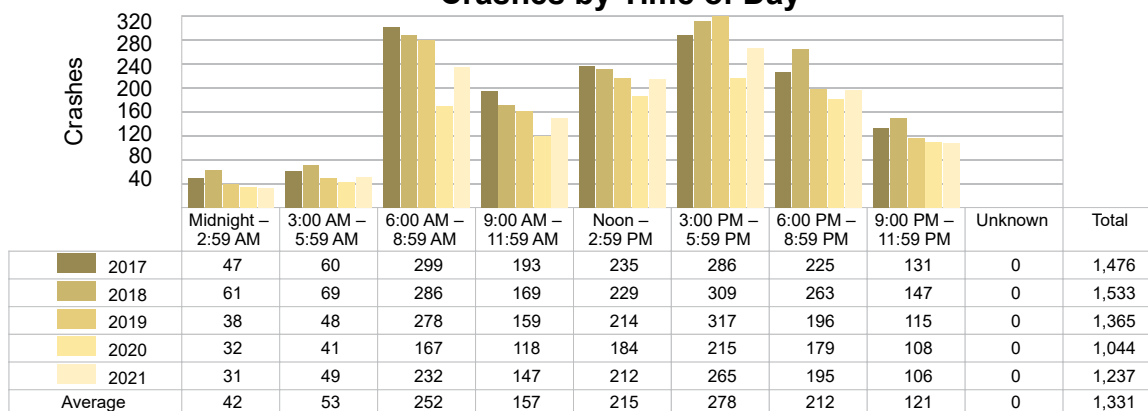
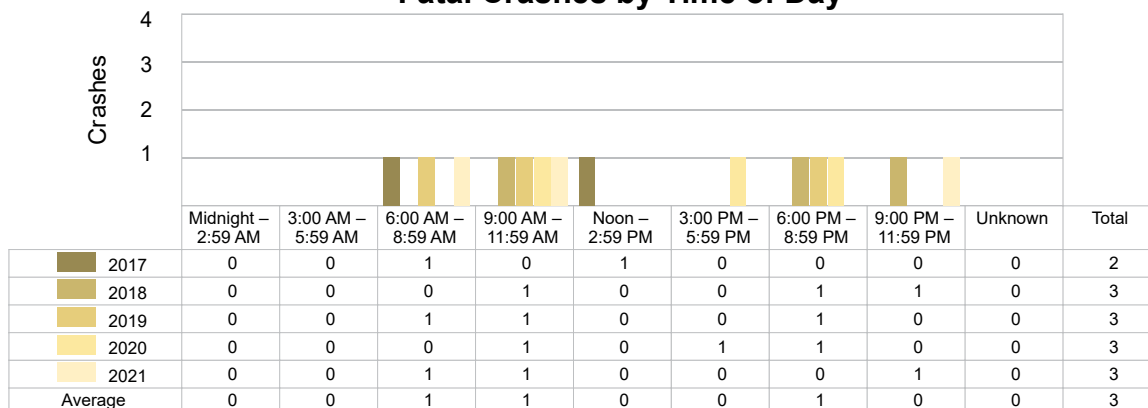
Portion of Week	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	1,135	1	1,208	3	1,098	2	809	3	973	2
Weekend	341	1	325	0	267	1	235	0	264	1
Total	1,476	2	1,533	3	1,365	3	1,044	3	1,237	3

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



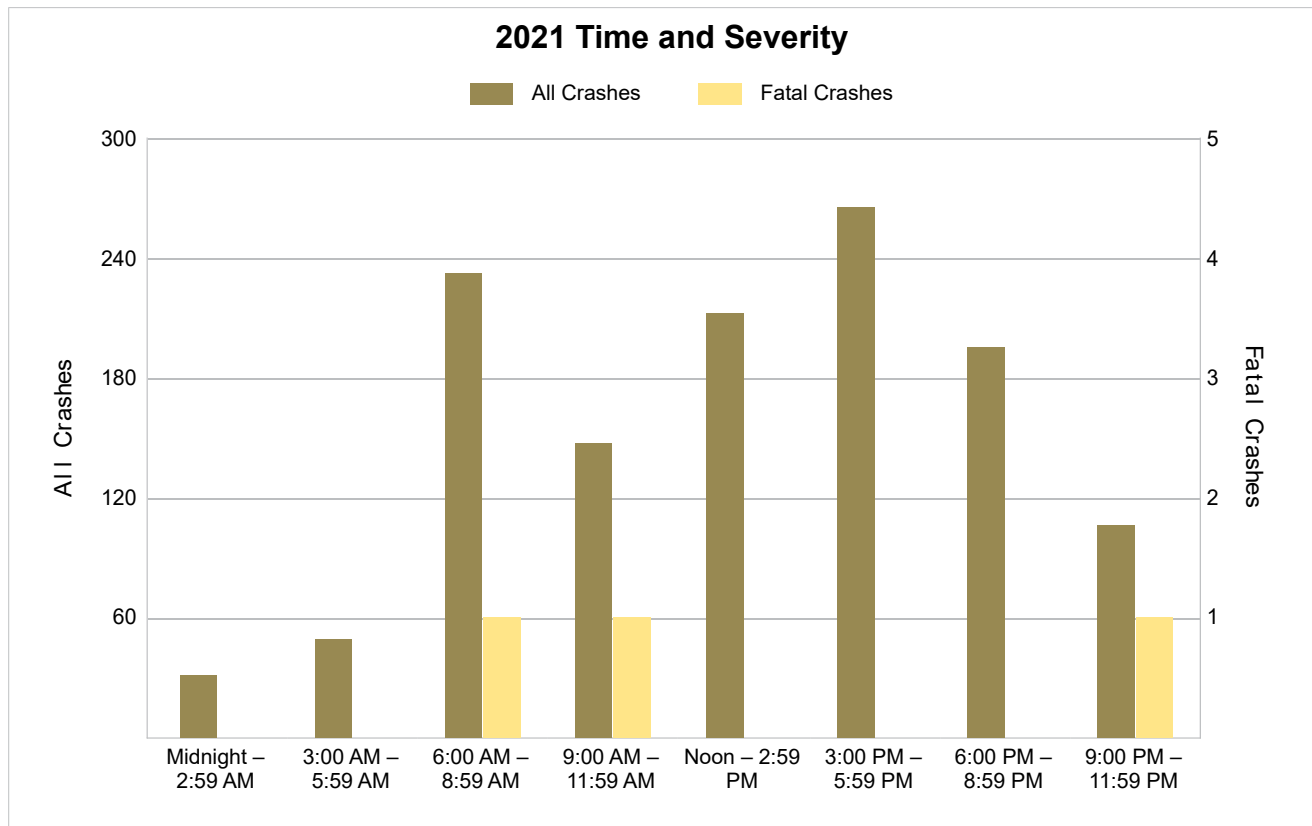
5-Year Trend - Crashes by Time of Day

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	47	0	61	0	38	0	32	0	31	0
3:00 AM – 5:59 AM	60	0	69	0	48	0	41	0	49	0
6:00 AM – 8:59 AM	299	1	286	0	278	1	167	0	232	1
9:00 AM – 11:59 AM	193	0	169	1	159	1	118	1	147	1
Noon – 2:59 PM	235	1	229	0	214	0	184	0	212	0
3:00 PM – 5:59 PM	286	0	309	0	317	0	215	1	265	0
6:00 PM – 8:59 PM	225	0	263	1	196	1	179	1	195	0
9:00 PM – 11:59 PM	131	0	147	1	115	0	108	0	106	1
Unknown	0	0	0	0	0	0	0	0	0	0
Total	1,476	2	1,533	3	1,365	3	1,044	3	1,237	3

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	31	2.5	0	0.0	1	4	3	23
3:00 AM – 5:59 AM	49	4.0	0	0.0	0	1	2	46
6:00 AM – 8:59 AM	232	18.8	1	33.3	2	5	12	212
9:00 AM – 11:59 AM	147	11.9	1	33.3	0	9	13	124
Noon – 2:59 PM	212	17.1	0	0.0	4	8	17	183
3:00 PM – 5:59 PM	265	21.4	0	0.0	4	12	30	219
6:00 PM – 8:59 PM	195	15.8	0	0.0	4	6	11	174
9:00 PM – 11:59 PM	106	8.6	1	33.3	3	6	4	92
Unknown	0	0.0	0	0.0	0	0	0	0
Total	1,237	100.0	3	100.0	18	51	92	1,073

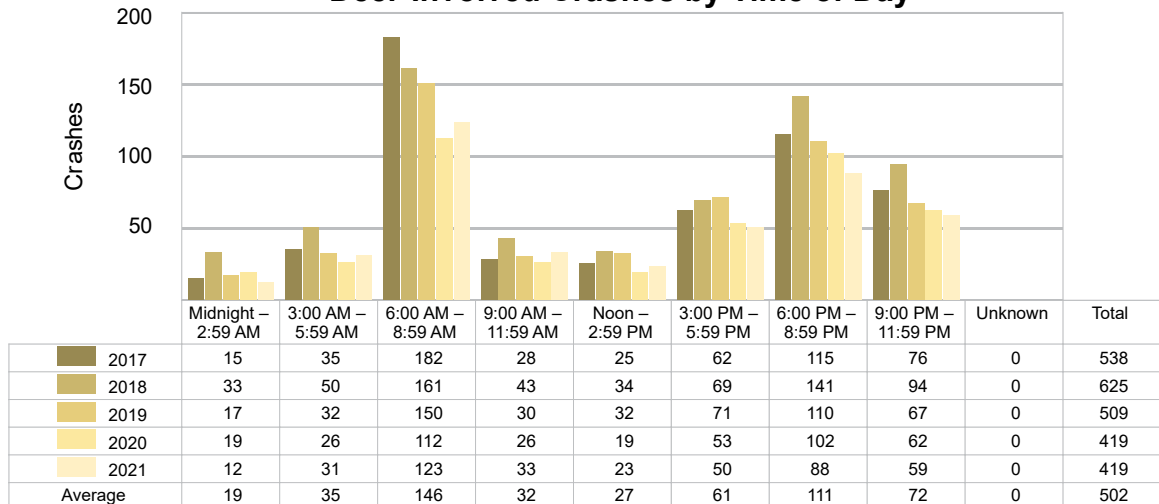


5-Year Trend - Deer-Involved Crashes by Time of Day

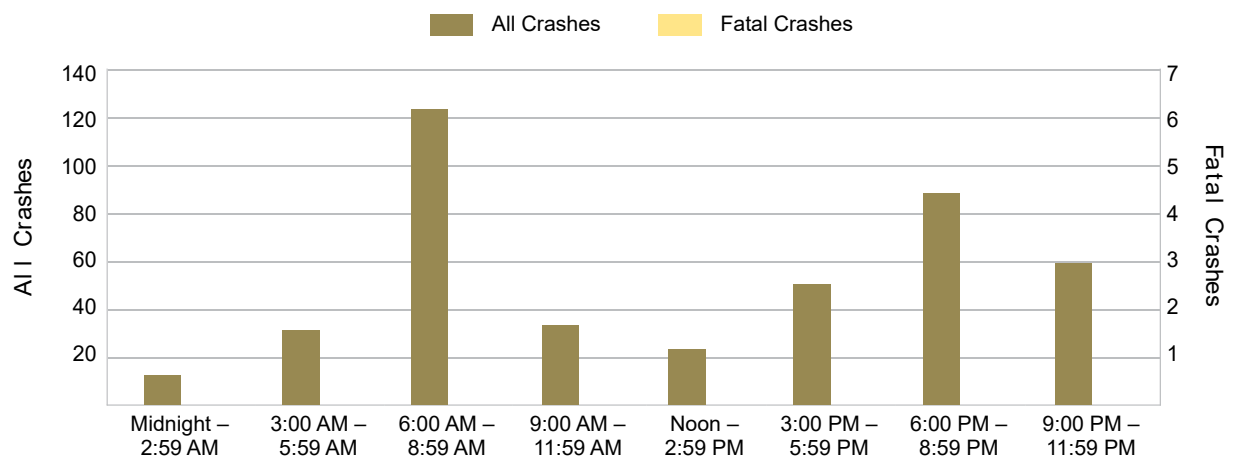
Time of Day	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight – 2:59 AM	15	0	33	0	17	0	19	0	12	0
3:00 AM – 5:59 AM	35	0	50	0	32	0	26	0	31	0
6:00 AM – 8:59 AM	182 †	0	161 †	0	150 †	0	112 †	0	123 †	0
9:00 AM – 11:59 AM	28	0	43	0	30	0	26	0	33	0
Noon – 2:59 PM	25	0	34	0	32	0	19	0	23	0
3:00 PM – 5:59 PM	62	0	69	0	71	0	53	0	50	0
6:00 PM – 8:59 PM	115	0	141	0	110	0	102	0	88	0
9:00 PM – 11:59 PM	76	0	94	0	67	0	62	0	59	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	538	0	625	0	509	0	419	0	419	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

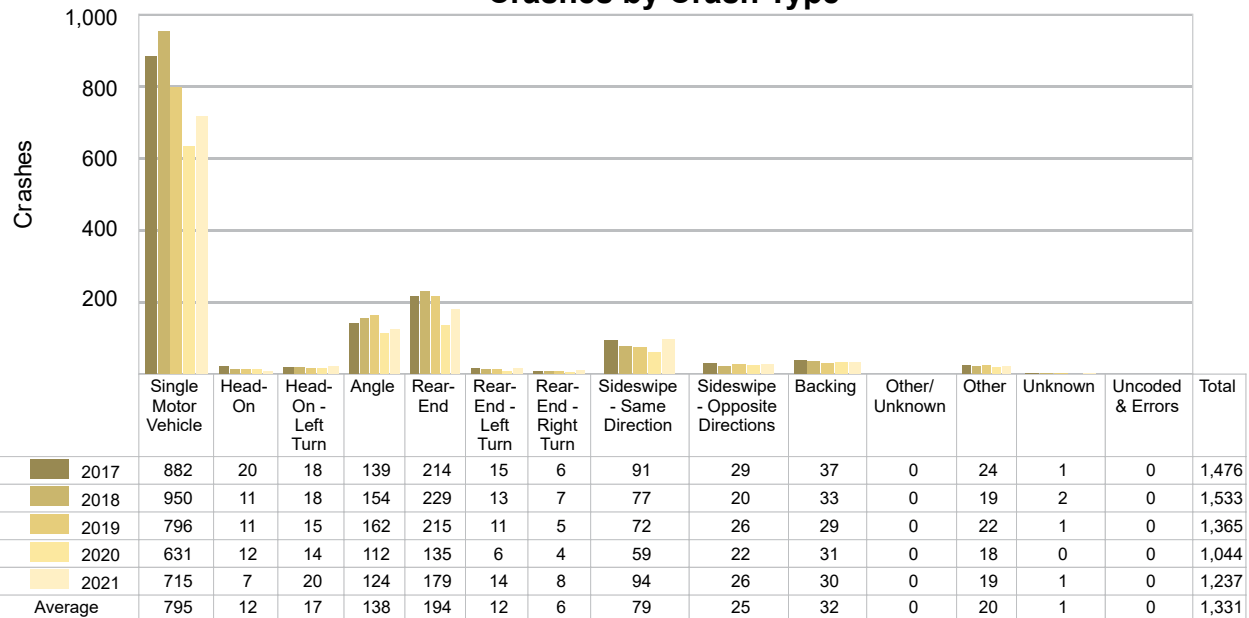


There were no fatal deer-involved crashes in Emmet County in 2021.

5-Year Trend - Crashes by Crash Type

Crash Type	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Single Motor Vehicle	882	1	950	2	796	1	631	2	715	2
Head-On	20	1	11	0	11	0	12	0	7	0
Head-On - Left Turn	18	0	18	0	15	0	14	1	20	0
Angle	139	0	154	1	162	2	112	0	124	1
Rear-End	214	0	229	0	215	0	135	0	179	0
Rear-End - Left Turn	15	0	13	0	11	0	6	0	14	0
Rear-End - Right Turn	6	0	7	0	5	0	4	0	8	0
Sideswipe - Same Direction	91	0	77	0	72	0	59	0	94	0
Sideswipe - Opposite Directions	29	0	20	0	26	0	22	0	26	0
Backing	37	0	33	0	29	0	31	0	30	0
Other/Unknown	0	0	0	0	0	0	0	0	0	0
Other	24	0	19	0	22	0	18	0	19	0
Unknown	1	0	2	0	1	0	0	0	1	0
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0
Total	1,476	2	1,533	3	1,365	3	1,044	3	1,237	3

5-Year Trend Crashes by Crash Type



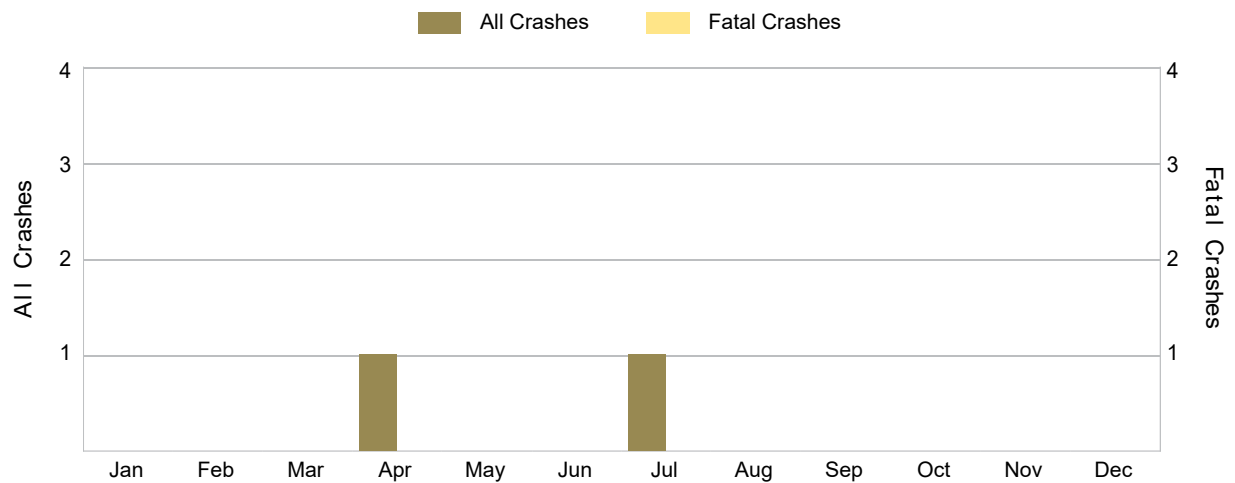
5-Year Trend - Pedestrian-Involved Crashes by Month

Month	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	1	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	0	0
May	0	0	1	0	0	0	0	0	0	0
June	0	0	1	0	1	0	0	0	0	0
July	0	0	1	0	0	0	0	0	0	0
August	1	0	1	1	0	0	0	0	0	0
September	0	0	1	0	0	0	0	0	0	0
October	1	0	1	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0
December	3	0	0	0	0	0	0	0	0	0
Total	6	0	6	1	1	0	0	0	0	0

5-Year Trend - Bicyclist-Involved Crashes by Month

Month	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	1	0
May	0	0	2	0	2	0	0	0	0	0
June	1	0	1	0	0	0	1	0	0	0
July	1	0	2	0	1	0	1	0	1	0
August	0	0	2	0	1	0	2	0	0	0
September	0	0	1	0	0	0	1	0	0	0
October	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0
Total	2	0	8	0	4	0	5	0	2	0

2021 Bicyclist-Involved Crashes by Month



There were no fatal bicyclist-involved crashes in Emmet 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
Alanson	0	0	0	0	0	0	0	0	0	0	0	0	0
Bear Creek Twp.	341	1	49	291	0	169	21	148	10	5	93	0	0
Bliss Twp.	10	0	2	8	0	0	0	10	0	0	7	0	0
Carp Lake Twp.	32	0	3	29	0	14	0	17	0	0	15	0	0
Center Twp.	37	0	3	34	0	0	0	37	1	1	27	0	0
Cross Village Twp.	2	0	0	2	0	0	1	1	0	0	1	0	0
Friendship Twp.	32	0	8	24	0	0	1	31	4	2	14	0	0
Harbor Springs	43	0	5	38	0	0	22	21	1	0	6	0	0
Little Traverse Twp.	103	0	11	92	0	16	35	51	2	0	39	0	0
Littlefield Twp.	108	1	21	86	0	53	27	27	6	4	30	0	0
Mackinaw City	1	0	0	1	0	0	0	0	0	0	0	0	0
Maple River Twp.	69	0	5	64	0	38	0	31	3	0	41	0	0
McKinley Twp.	29	0	5	24	0	15	0	14	1	1	17	0	0
Pellston	0	0	0	0	0	0	0	0	0	0	0	0	0
Petoskey	176	1	22	153	0	120	0	56	6	5	12	0	2
Pleasantview Twp.	48	0	7	41	0	0	0	48	2	1	21	0	0
Readmond Twp.	22	0	4	18	0	0	4	18	0	0	13	0	0
Resort Twp.	61	0	4	57	0	5	0	56	2	0	31	0	0
Springvale Twp.	63	0	6	57	0	0	0	63	5	1	28	0	0
Wawatam Twp.	17	0	1	16	10	2	0	5	1	0	5	0	0
West Traverse Twp.	43	0	5	38	0	0	7	35	3	2	19	0	0
Total	1,237	3	161	1,073	10	432	118	669	47	22	419	0	2

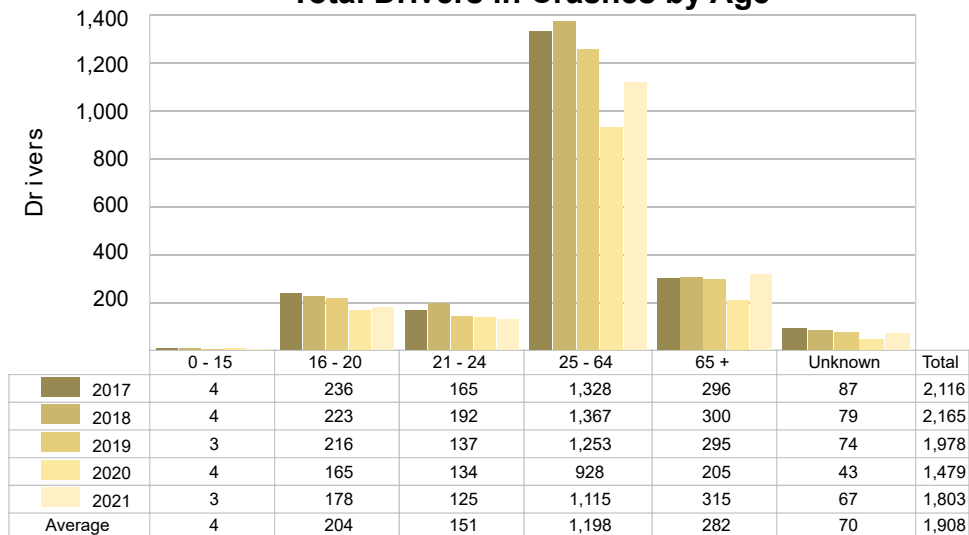
2021 - People in Reported Motor Vehicle Crashes by Municipality

Municipality	People					
	Fatalities	Suspected Serious Injuries	Suspected Minor Injuries	Possible Injuries	No Injuries	Uncoded & Errors
Alanson	0	0	0	0	0	0
Bear Creek Twp.	1	25	33	75	537	10
Bliss Twp.	0	0	2	0	8	0
Carp Lake Twp.	0	0	0	5	42	1
Center Twp.	0	6	1	0	39	0
Cross Village Twp.	0	0	0	0	2	0
Friendship Twp.	0	0	5	8	30	0
Harbor Springs	0	0	4	8	51	15
Little Traverse Twp.	0	3	5	17	145	2
Littlefield Twp.	1	5	13	29	154	3
Mackinaw City	0	0	0	0	1	0
Maple River Twp.	0	0	4	2	75	1
McKinley Twp.	0	0	2	6	30	0
Pellston	0	0	0	0	0	0
Petoskey	1	3	9	48	330	17
Pleasantview Twp.	0	1	5	5	52	0
Readmond Twp.	0	3	2	2	21	2
Resort Twp.	0	0	2	6	62	3
Springvale Twp.	0	0	6	8	69	0
Wawatam Twp.	0	0	0	1	20	0
West Traverse Twp.	0	1	2	2	46	0
Total	3	47	95	222	1,714	54

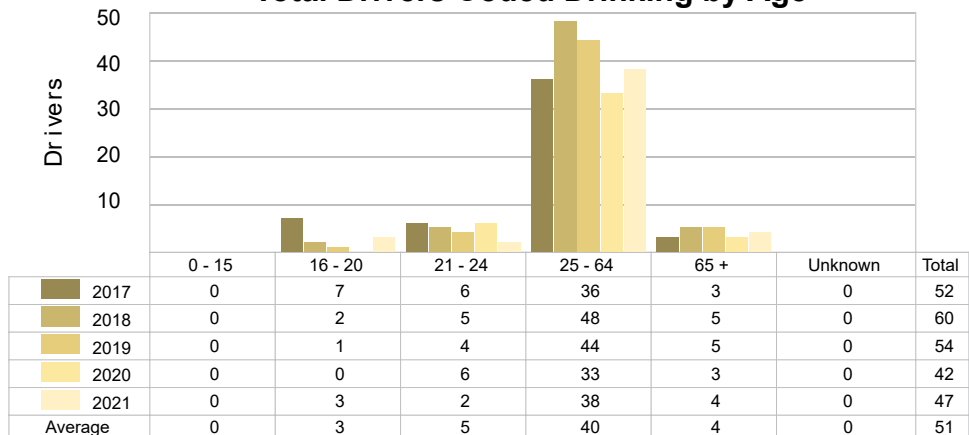
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	4	0	4	0	3	0	4	0	3	0
16 - 20	236	7	223	2	216	1	165	0	178	3
21 - 24	165	6	192	5	137	4	134	6	125	2
25 - 64	1,328	36	1,367	48	1,253	44	928	33	1,115	38
65 +	296	3	300	5	295	5	205	3	315	4
Unknown	87	0	79	0	74	0	43	0	67	0
Total	2,116	52	2,165	60	1,978	54	1,479	42	1,803	47

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	4	4	3	3	0	1	0	0	2
21 - 24	4	1	1	2	0	0	1	0	1
25 - 64	42	44	33	38	0	4	12	10	12
65 +	5	6	4	4	0	0	1	0	3
Unknown	2	0	0	0	0	0	0	0	0
Total	57	55	41	47	0	5	14	10	18

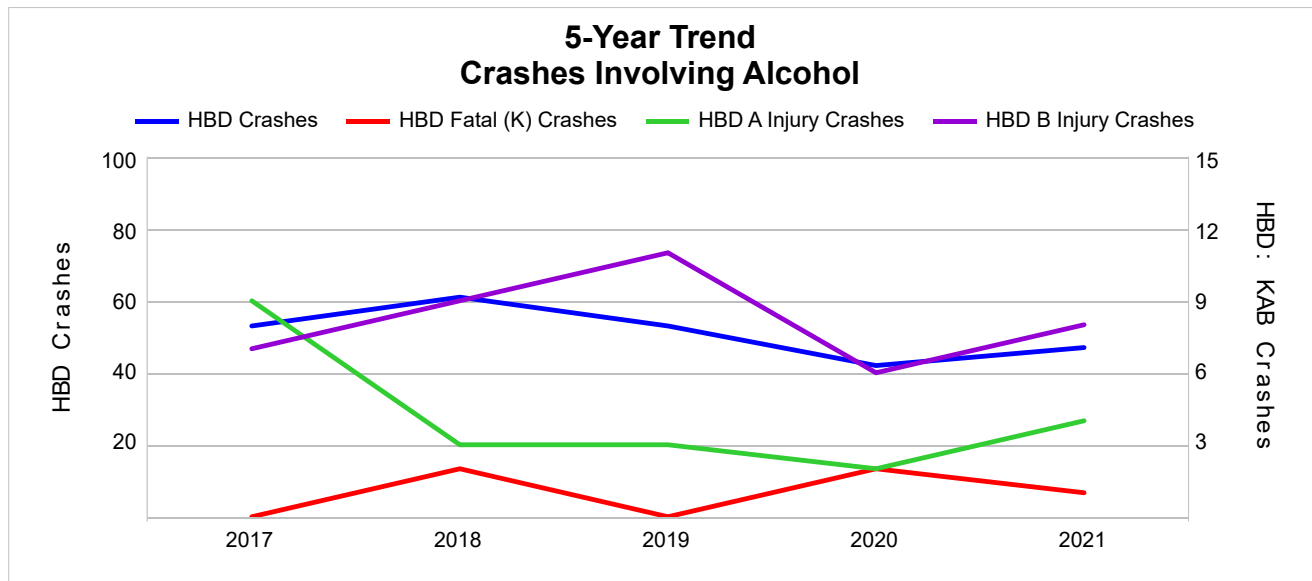
Notes: BAC measured in grams (g) per deciliter (dL).

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	1,476	53	3.6	2	0	0.0	27	9	33.3	69	7	10.1
2018	1,533	61	4.0	3	2	66.7	17	3	17.6	67	9	13.4
2019	1,365	53	3.9	3	0	0.0	14	3	21.4	43	11	25.6
2020	1,044	42	4.0	3	2	66.7	10	2	20.0	38	6	15.8
2021	1,237	47	3.8	3	1	33.3	18	4	22.2	51	8	15.7



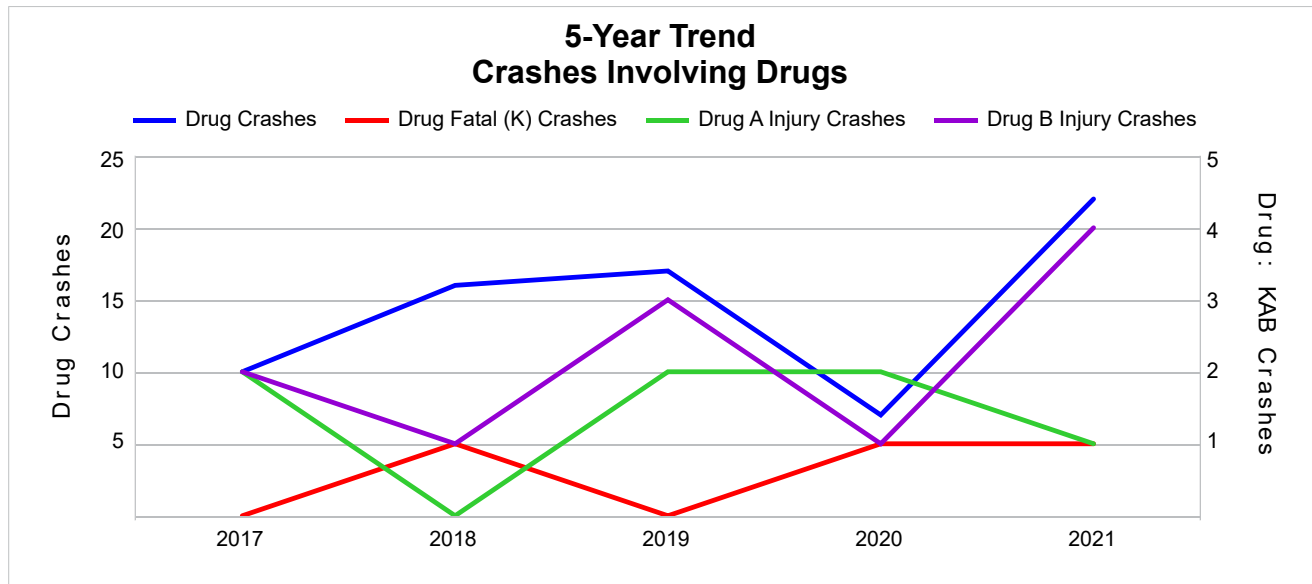
Note: Had-Been-Drinking (HBD)

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	1,476	10	0.7	2	0	0.0	27	2	7.4	69	2	2.9
2018	1,533	16	1.0	3	1	33.3	17	0	0.0	67	1	1.5
2019	1,365	17	1.2	3	0	0.0	14	2	14.3	43	3	7.0
2020	1,044	7	0.7	3	1	33.3	10	2	20.0	38	1	2.6
2021	1,237	22 **	1.8 **	3	1	33.3	18	1	5.6	51	4 **	7.8 **

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.

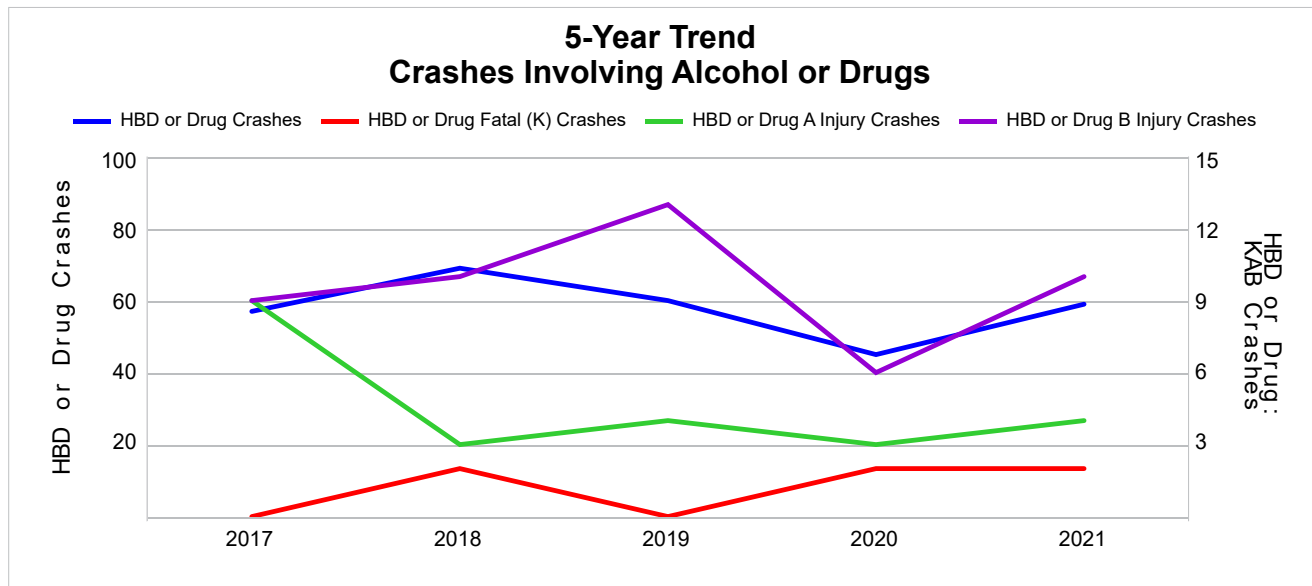


5-Year Trend - Crashes Involving Alcohol or Drugs

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	1,476	57	3.9	2	0	0.0	27	9	33.3	69	9	13.0
2018	1,533	69	4.5	3	2	66.7	17	3	17.6	67	10	14.9
2019	1,365	60	4.4	3	0	0.0	14	4	28.6	43	13	30.2
2020	1,044	45	4.3	3	2	66.7	10	3	30.0	38	6	15.8
2021	1,237	59	4.8 **	3	2	66.7	18	4	22.2	51	10	19.6

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	1,362	1,274	93.5	3	2	66.7	14	10	71.4	37	34	91.9	80	76	95.0	1,193	1,152	96.6
Motor Home	22	19	86.4	0	0	0.0	0	0	0.0	0	0	0.0	2	1	50.0	19	18	94.7
Pickup Truck	364	343	94.2	0	0	0.0	5	3	60.0	8	6	75.0	24	23	95.8	319	311	97.5
Small Truck Under 10,000 lbs. GVWR	15	13	86.7	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	12	12	100.0
Motorcycle	22	13	59.1	0	0	0.0	5	2	40.0	10	8	80.0	2	1	50.0	5	2	40.0
Moped/Goped	2	0	0.0	0	0	0.0	2	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Go-Cart/Golf Cart	2	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0	0	0	0.0	0	0	0.0
Snowmobile	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	4	2	50.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	2	0	0.0
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	2	1	50.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	1	50.0
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	46	46	100.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	44	44	100.0
Uncoded & Errors	8	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	1,850	1,711	92.5	3	2	66.7	26	15	57.7	59	50	84.7	112	104	92.9	1,596	1,540	96.5

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	13	11	84.6	0	0	0.0	2	2	100.0	2	1	50.0	6	6	100.0	3	2	66.7
16 - 20	184	175	95.1	0	0	0.0	2	2	100.0	5	4	80.0	10	10	100.0	167	159	95.2
21 - 24	126	124	98.4	0	0	0.0	1	1	100.0	3	3	100.0	5	5	100.0	117	115	98.3
25 - 64	1,137	1,092	96.0	2	1	50.0	18	9	50.0	36	29	80.6	64	58	90.6	1,016	995	97.9
65 +	323	309	95.7	1	1	100.0	3	1	33.3	13	13	100.0	27	25	92.6	279	269	96.4
Unknown	67	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	14	0	0.0
Total	1,850	1,711	92.5	3	2	66.7	26	15	57.7	59	50	84.7	112	104	92.9	1,596	1,540	96.5

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	4	0	0	2	0	0	5	0	1	5	0	3	3	0	0
Shoulder Belt Only Used	7	0	2	5	0	0	3	0	0	3	0	1	3	0	1
Lap Belt Only Used	1	0	0	2	0	0	0	0	0	1	0	0	1	0	0
Both Lap & Shoulder Belt Used	1,944	1	163	2,011	1	140	1,831	1	132	1,332	1	98	1,652	2	115
No Belts Used	12	0	9	11	2	5	6	0	3	6	0	5	9	1	6
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	116	0	0	117	0	6	115	0	4	118	1	4	110	0	9
Helmet Worn	26	1	18	13	0	12	11	1	9	12	0	11	14	0	12
Helmet Not Worn	5	0	2	2	0	2	5	0	4	2	0	2	9	0	6
Helmet Use Unknown	1	0	1	2	0	1	2	0	1	0	0	0	2	0	1
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,116	2	195	2,165	3	166	1,978	2	154	1,479	2	124	1,803	3	150

5-Year Trend - Restraint Use Among Drivers Coded Drinking

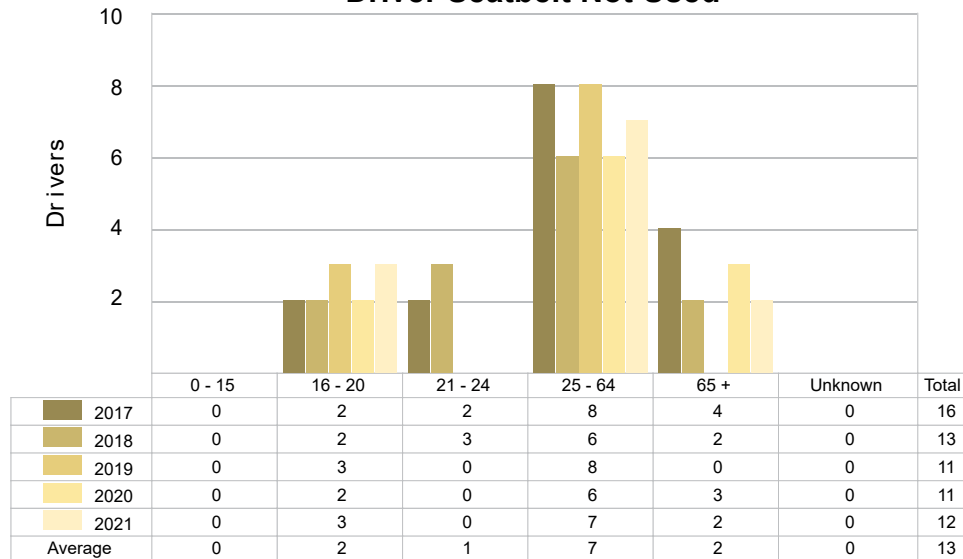
Restraint Use	2017			2018			2019			2020			2021		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No Belts Available	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shoulder Belt Only Used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lap Belt Only Used	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Both Lap & Shoulder Belt Used	40	0	7	49	0	12	39	0	12	26	1	7	32	0	9
No Belts Used	6	0	6	3	1	1	3	0	2	1	0	1	2	1	1
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	4	0	0	7	0	3	9	0	2	14	1	2	10	0	2
Helmet Worn	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0
Helmet Not Worn	1	0	1	1	0	1	2	0	1	1	0	1	2	0	2
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	52	0	15	60	1	17	54	0	18	42	2	11	47	1	14

5-Year Trend - Seatbelt Not Used Among Drivers by Age

Age Group	2017			2018			2019			2020			2021		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 - 20	2	0	1	2	0	1	3	0	0	2	0	1	3	0	1
21 - 24	2	0	0	3	1	2	0	0	0	0	0	0	0	0	0
25 - 64	8	0	7	6	1	1	8	0	4	6	0	4	7	1	5
65 +	4	0	1	2	0	1	0	0	0	3	0	3	2	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	16	0	9	13	2	5	11	0	4	11	0	8	12	1	6

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

5-Year Trend Driver Seatbelt Not Used

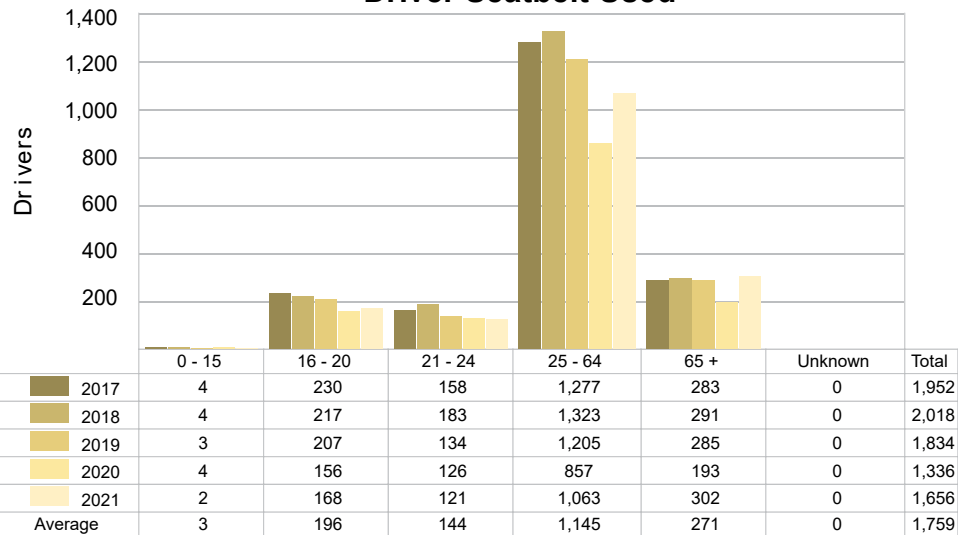


5-Year Trend - Seatbelt Used Among Drivers by Age

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	4	0	0	4	0	0	3	0	0	4	0	0	2	0	0
16 - 20	230	0	27	217	0	20	207	0	14	156	0	12	168	0	9
21 - 24	158	0	15	183	0	11	134	0	4	126	0	4	121	0	6
25 - 64	1,277	1	97	1,323	0	83	1,205	1	83	857	1	68	1,063	1	69
65 +	283	0	26	291	1	26	285	0	31	193	0	15	302	1	32
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,952	1	165	2,018	1	140	1,834	1	132	1,336	1	99	1,656	2	116

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	1,230	2	1,304	1	1,154	2	901	1	1,049	1
Speed Too Fast	290	1	218	1	238	0	140	1	169	0
Speed Too Slow	2	0	0	0	1	0	0	0	1	0
Failed to Yield	165	0	148	0	169	1	128	1	177	1
Disregard Traffic Control	9	0	17	0	15	1	16	0	17	0
Drove Wrong Way	0	0	0	0	1	0	0	0	0	0
Drove Left of Center	18	0	15	0	19	0	10	1	10	0
Improper Passing	6	0	10	0	8	1	7	0	9	0
Improper Lane Use	32	0	31	0	33	0	23	0	33	0
Improper Turn	11	0	21	0	13	0	14	0	19	0
Improper/No Signal	1	0	0	0	1	0	0	0	1	0
Improper Backing	41	0	40	0	27	0	28	0	30	0
Unable to Stop in Assured Clear Distance	160	0	185	0	162	0	109	0	130	0
Other	58	0	55	0	45	0	29	0	44	0
Unknown	18	0	18	0	24	0	11	0	8	1
Reckless Driving	4	0	13	0	9	0	3	0	15	1
Careless/Negligent Driving	71	0	90	2	59	0	60	0	91	0
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0
Total	2,116	3	2,165	4	1,978	5	1,479	4	1,803	4

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

