



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

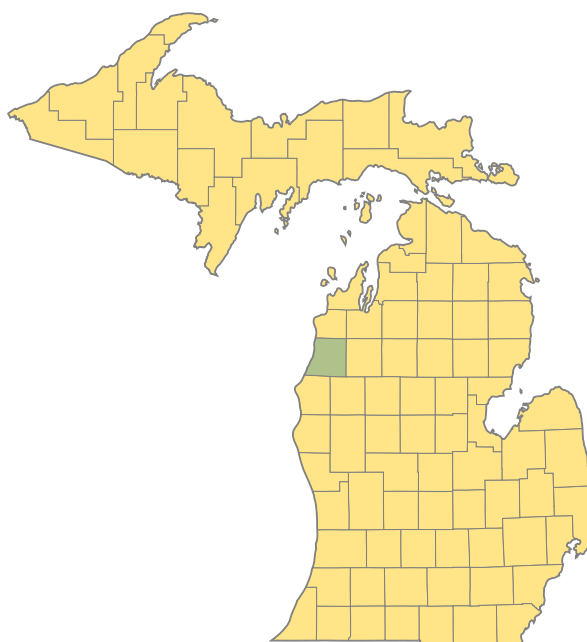
O = No Injury

Property Damage Only (PDO)



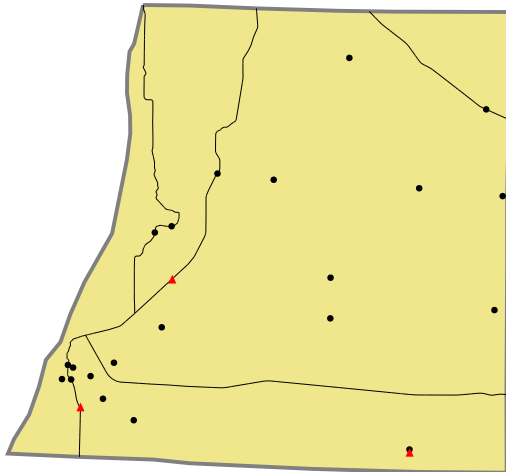
Manistee County

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 (21/21)

2021 - Crashes and Injury by Month

Month	Crashes				People	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	62	0	8	54	0	8
February	67	0	5	62	0	5
March	50	1	5	44	1	7
April	42	0	2	40	0	2
May	50	0	9	41	0	11
June	70	0	5	65	0	6
July	84	1	18	65	1	24
August	68	0	7	61	0	8
September	95	0	14	81	0	17
October	105	1	8	96	1	9
November	134	0	14	120	0	17
December	88	0	10	78	0	10
Total	915	3	105	807	3	124

2021 - Driver Statistics

Age Group	Manistee County			Driver Rates	
	2019 Population*	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	3,627	77	2	5.5	259.7
16 - 20	1,291	928	100	774.6	1,077.6
21 - 24	1,112	843	66	593.5	782.9
25 - 64	12,070	10,736	709	587.4	660.4
65 +	6,458	6,700	206	319.0	307.5
Unknown	0	0	57	--	--
Total	24,558	19,284	1,140	464.2	591.2

*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	835	73.2	2	66.7	104	729
Motor Home	1	0.1	0	0.0	1	0
Pickup Truck	237	20.8	0	0.0	21	216
Small Truck Under 10,000 lbs. GVWR	8	0.7	0	0.0	2	6
Motorcycle	9	0.8	1	33.3	7	1
Moped/Goped	3	0.3	0	0.0	2	1
Go-Cart/Golf Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.1	0	0.0	1	0
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	1	0.1	0	0.0	1	0
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	8	0.7	0	0.0	1	7
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	17	1.5	0	0.0	0	17
Uncoded & Errors	20	1.8	0	0.0	1	19
Total	1,140	100.0	3	100.0	141	996

5-Year Trend - Crashes by Month

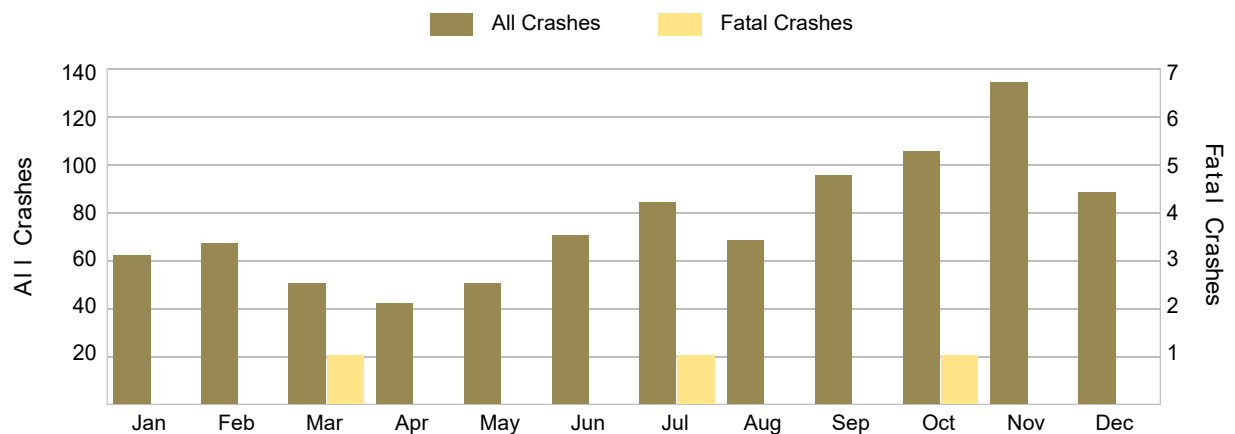
Month	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	90	0	102	0	98	0	75	0	62	0
February	66	0	72	0	65	0	78	0	67	0
March	70	1	69	0	65	0	52	0	50	1
April	42	0	72	0	49	0	30	1	42	0
May	54	0	52	0	72	0	64	0	50	0
June	71	1	79	0	83	0	74	1	70	0
July	83	0	67	0	99	0	84	2	84	1
August	67	0	69	0	85	0	61	0	68	0
September	94	1	65	1	82	0	69	0	95	0
October	94	0	102	1	91	0	94	0	105	1
November	129 †	0	122 †	1	124 †	1	105 †	2	134 †	0
December	107	0	98	1	84	0	76	0	88	0
Total	967	3	969	4	997	1	862	6	915	3

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

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	130	0	122	0	160	0	127	0	145	0
Tuesday	145	0	148	2	135	1	142	0	133	2
Wednesday	131	1	137	0	155	0	130	1	130	1
Thursday	142	0	131	0	137	0	127	1	132	0
Friday	161	0	185	1	159	0	122	2	144	0
Saturday	125	1	142	0	148	0	115	2	127	0
Sunday	133	1	104	1	103	0	99	0	104	0
Total	967	3	969	4	997	1	862	6	915	3

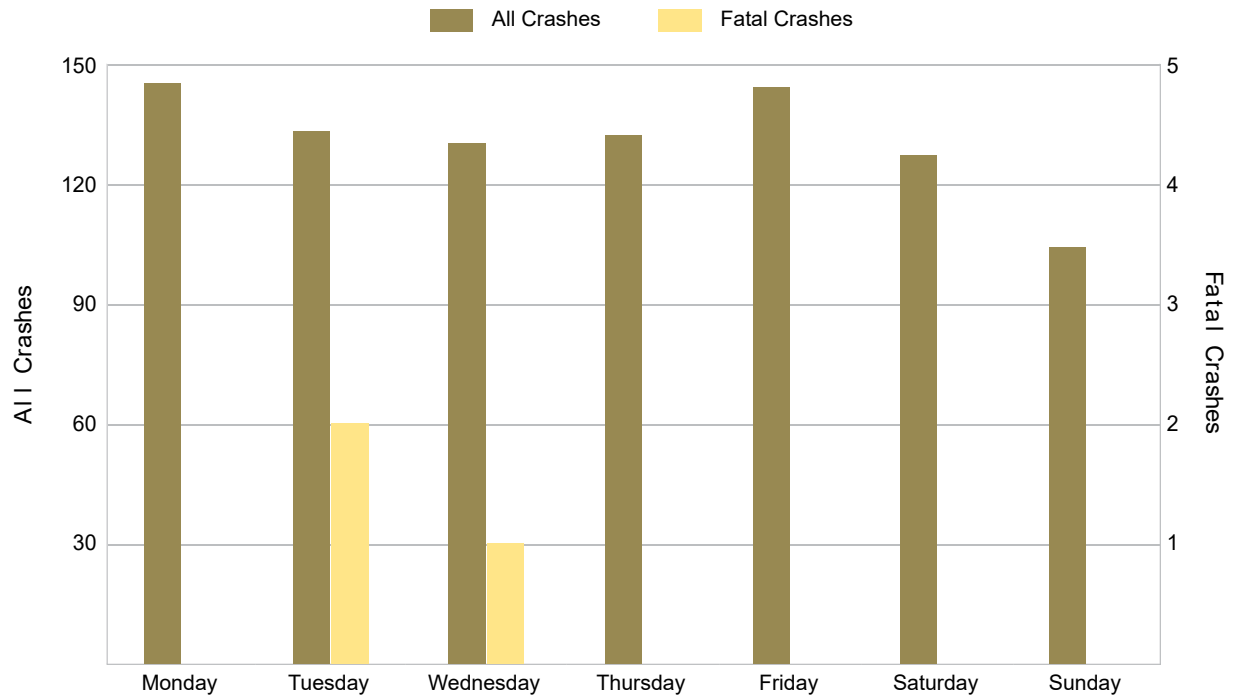
2021 Crashes by Month



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	145	15.8	0	0.0	1	4	16	124
Tuesday	133	14.5	2	66.7	3	3	4	121
Wednesday	130	14.2	1	33.3	4	6	4	115
Thursday	132	14.4	0	0.0	2	4	7	119
Friday	144	15.7	0	0.0	0	5	7	132
Saturday	127	13.9	0	0.0	6	5	10	106
Sunday	104	11.4	0	0.0	5	2	7	90
Total	915	100.0	3	100.0	21	29	55	807

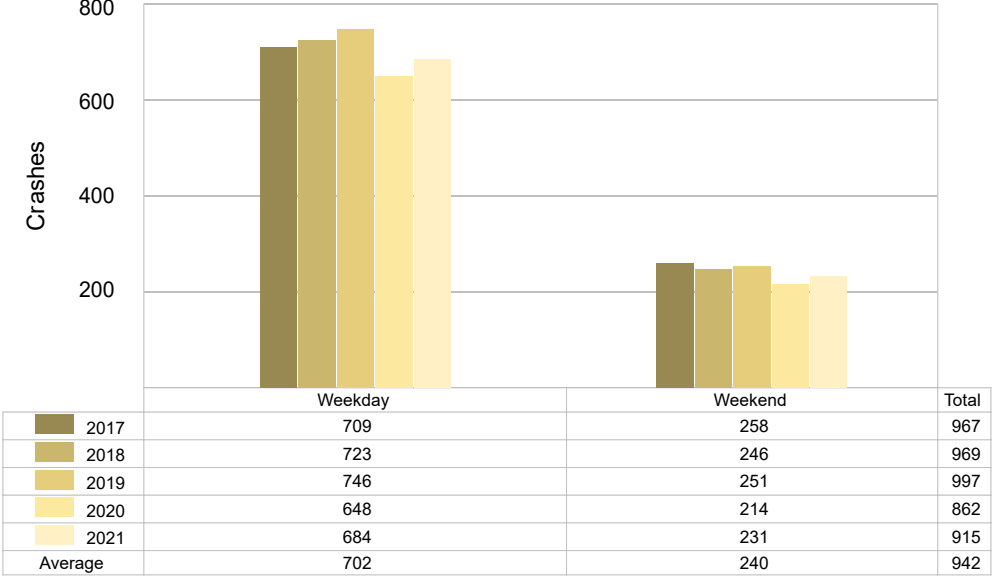
2021 Day of Week and Severity



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	709	1	723	3	746	1	648	4	684	3
Weekend	258	2	246	1	251	0	214	2	231	0
Total	967	3	969	4	997	1	862	6	915	3

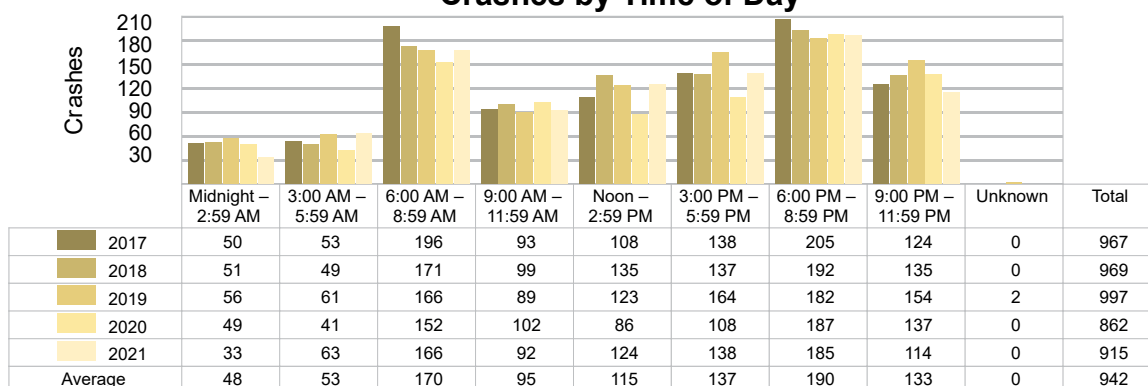
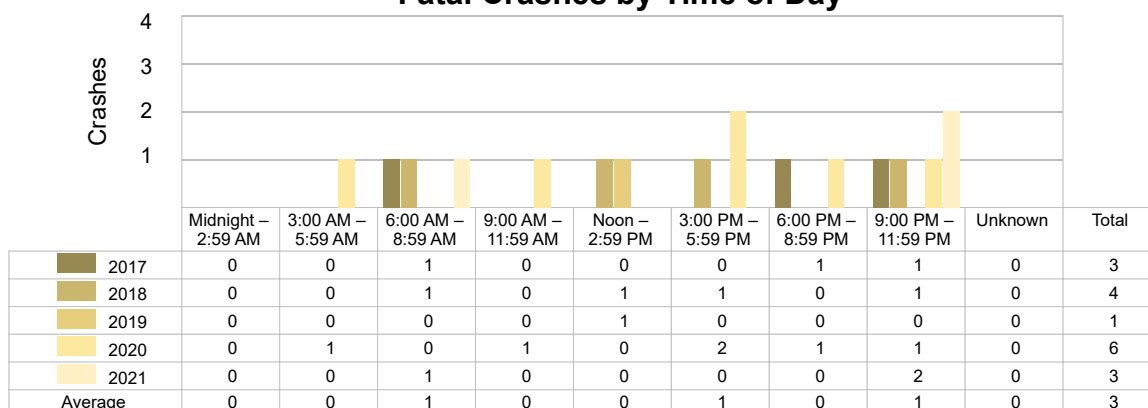
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

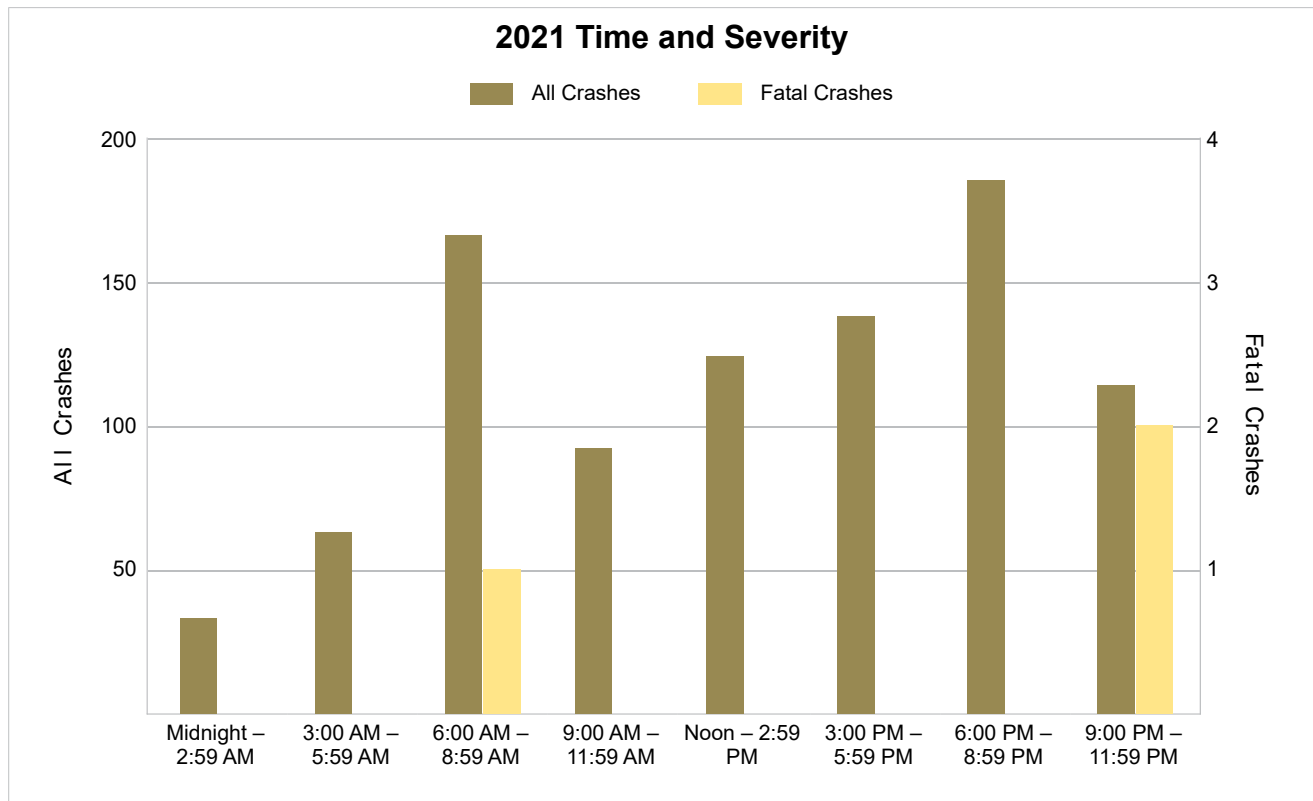
Time of Day	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight – 2:59 AM	50	0	51	0	56	0	49	0	33	0
3:00 AM – 5:59 AM	53	0	49	0	61	0	41	1	63	0
6:00 AM – 8:59 AM	196	1	171	1	166	0	152	0	166	1
9:00 AM – 11:59 AM	93	0	99	0	89	0	102	1	92	0
Noon – 2:59 PM	108	0	135	1	123	1	86	0	124	0
3:00 PM – 5:59 PM	138	0	137	1	164	0	108	2	138	0
6:00 PM – 8:59 PM	205 †	1	192 †	0	182 †	0	187 †	1	185 †	0
9:00 PM – 11:59 PM	124	1	135	1	154	0	137	1	114	2
Unknown	0	0	0	0	2	0	0	0	0	0
Total	967	3	969	4	997	1	862	6	915	3

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 Day5-Year Trend
Fatal Crashes by Time of Day

2021 - Time and Severity

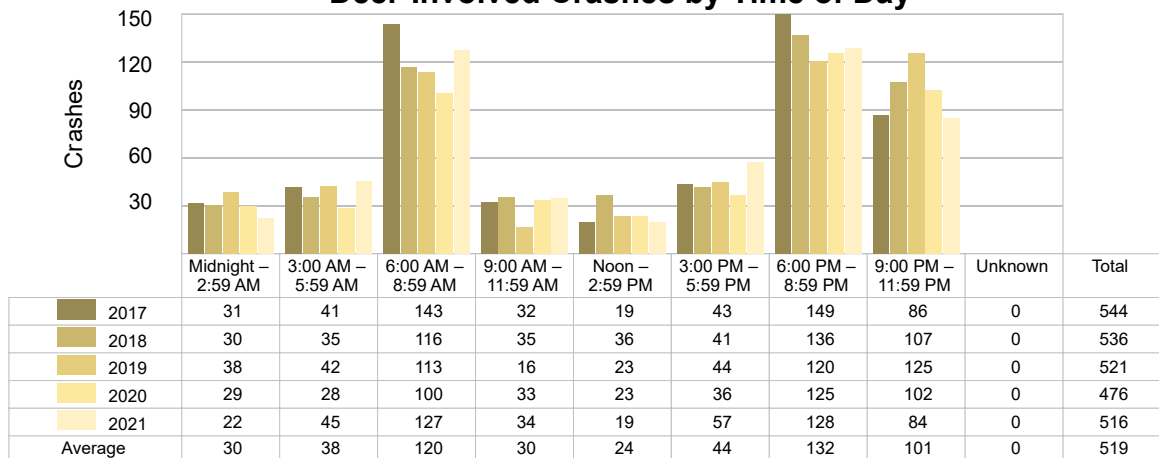
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight – 2:59 AM	33	3.6	0	0.0	0	1	1	31
3:00 AM – 5:59 AM	63	6.9	0	0.0	0	2	3	58
6:00 AM – 8:59 AM	166	18.1	1	33.3	2	2	5	156
9:00 AM – 11:59 AM	92	10.1	0	0.0	1	4	8	79
Noon – 2:59 PM	124	13.6	0	0.0	6	7	14	97
3:00 PM – 5:59 PM	138	15.1	0	0.0	6	7	8	117
6:00 PM – 8:59 PM	185	20.2	0	0.0	5	2	12	166
9:00 PM – 11:59 PM	114	12.5	2	66.7	1	4	4	103
Unknown	0	0.0	0	0.0	0	0	0	0
Total	915	100.0	3	100.0	21	29	55	807



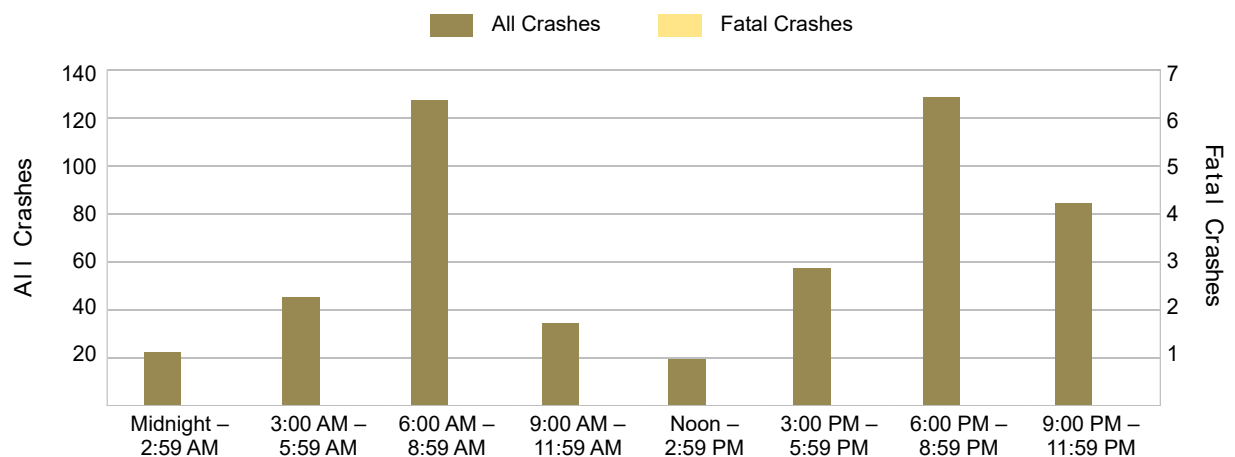
5-Year Trend - Deer-Involved Crashes by Time of Day

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	31	0	30	0	38	0	29	0	22	0
3:00 AM – 5:59 AM	41	0	35	0	42	0	28	0	45	0
6:00 AM – 8:59 AM	143	0	116	0	113	0	100	0	127	0
9:00 AM – 11:59 AM	32	0	35	0	16	0	33	0	34	0
Noon – 2:59 PM	19	0	36	0	23	0	23	0	19	0
3:00 PM – 5:59 PM	43	0	41	0	44	0	36	0	57	0
6:00 PM – 8:59 PM	149	0	136	0	120	0	125	0	128	0
9:00 PM – 11:59 PM	86	1	107	0	125	0	102	0	84	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	544	1	536	0	521	0	476	0	516	0

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



2021 Time and Severity of Deer-Involved Crashes

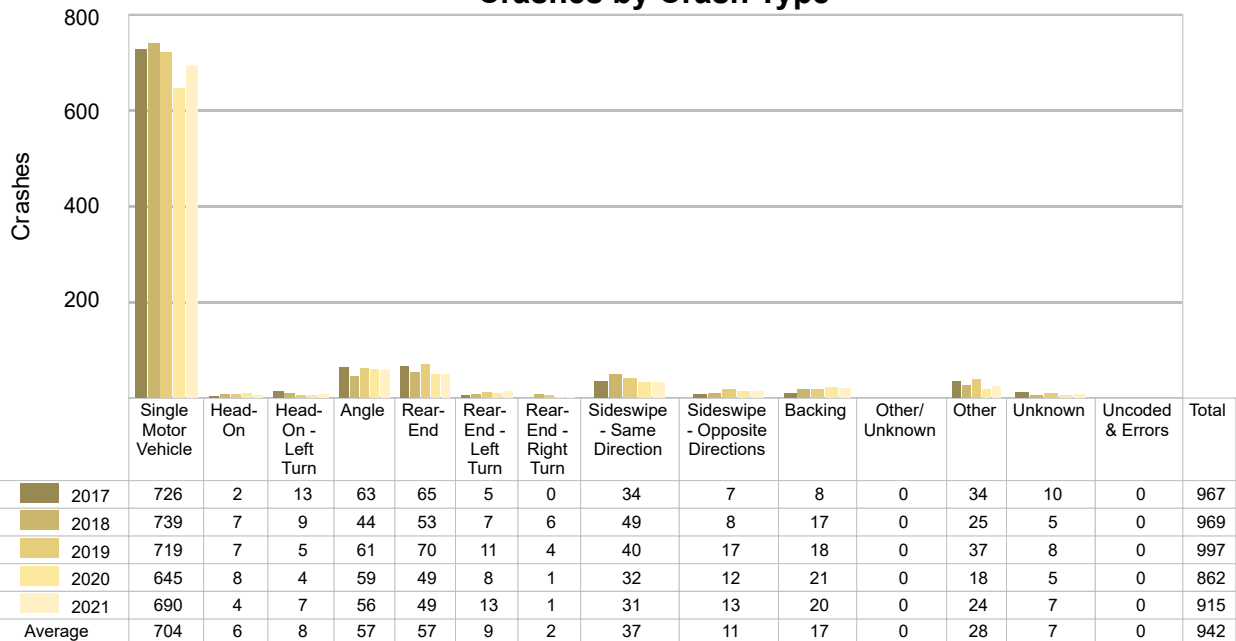


There were no fatal deer-involved crashes in Manistee County in 2021.

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	726	2	739	3	719	0	645	5	690	3
Head-On	2	0	7	0	7	1	8	1	4	0
Head-On - Left Turn	13	0	9	0	5	0	4	0	7	0
Angle	63	0	44	1	61	0	59	0	56	0
Rear-End	65	0	53	0	70	0	49	0	49	0
Rear-End - Left Turn	5	0	7	0	11	0	8	0	13	0
Rear-End - Right Turn	0	0	6	0	4	0	1	0	1	0
Sideswipe - Same Direction	34	0	49	0	40	0	32	0	31	0
Sideswipe - Opposite Directions	7	0	8	0	17	0	12	0	13	0
Backing	8	0	17	0	18	0	21	0	20	0
Other/Unknown	0	0	0	0	0	0	0	0	0	0
Other	34	1	25	0	37	0	18	0	24	0
Unknown	10	0	5	0	8	0	5	0	7	0
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0
Total	967	3	969	4	997	1	862	6	915	3

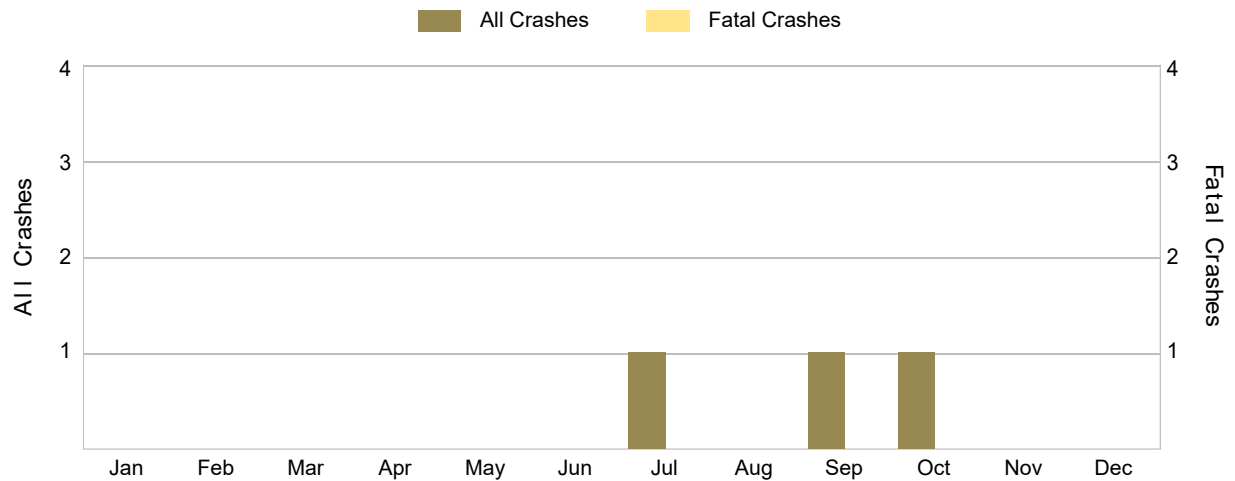
5-Year Trend Crashes by Crash Type



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	0	0	0	0	0	0	1	0	0	0
February	0	0	1	0	0	0	1	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	2	0	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0	1	0
August	0	0	0	0	0	0	1	0	0	0
September	0	0	1	1	0	0	0	0	1	0
October	0	0	0	0	1	0	2	0	1	0
November	1	0	1	0	0	0	0	0	0	0
December	0	0	0	0	1	0	0	0	0	0
Total	3	0	4	1	2	0	5	0	3	0

2021 Pedestrian-Involved Crashes by Month

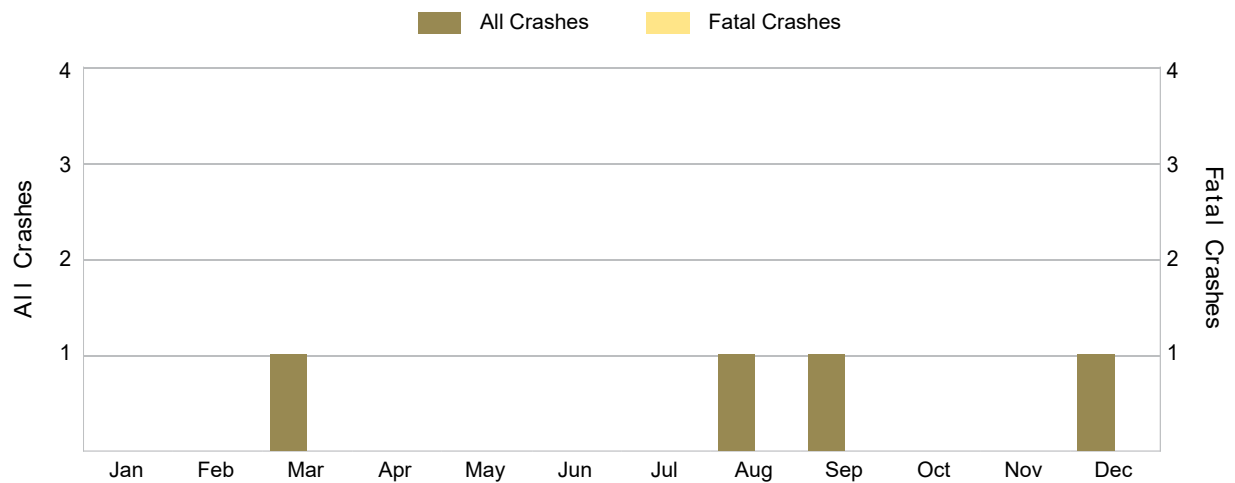


There were no fatal pedestrian-involved crashes in Manistee County in 2021.

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	1	0
April	0	0	0	0	0	0	1	0	0	0
May	1	0	1	0	0	0	0	0	0	0
June	0	0	1	0	0	0	0	0	0	0
July	0	0	0	0	2	0	0	0	0	0
August	0	0	0	0	1	0	0	0	1	0
September	0	0	0	0	0	0	0	0	1	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	1	0
Total	1	0	3	0	3	0	1	0	4	0

2021 Bicyclist-Involved Crashes by Month



There were no fatal bicyclist-involved crashes in Manistee 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
Arcadia Twp.	25	0	1	24	0	0	18	7	1	0	18	0	0
Bear Lake	0	0	0	0	0	0	0	0	0	0	0	0	0
Bear Lake Twp.	84	0	8	76	0	39	0	45	4	1	52	0	0
Brown Twp.	34	0	1	33	0	11	0	23	0	0	28	0	0
Cleon Twp.	33	0	7	26	0	0	18	15	3	0	18	0	0
Copemish	0	0	0	0	0	0	0	0	0	0	0	0	0
Dickson Twp.	45	0	5	40	0	0	0	45	1	0	25	0	0
Eastlake	0	0	0	0	0	0	0	0	0	0	0	0	0
Filer Twp.	73	1	4	68	0	29	0	44	3	1	39	0	0
Kaleva	0	0	0	0	0	0	0	0	0	0	0	0	0
Manistee	160	0	23	137	0	85	0	75	6	0	28	3	4
Manistee Twp.	153	1	16	136	0	67	30	56	2	1	104	0	0
Maple Grove Twp.	34	0	2	32	0	0	0	34	1	1	26	0	0
Marilla Twp.	17	0	3	14	0	0	0	17	3	0	9	0	0
Norman Twp.	58	1	5	52	0	0	34	24	2	1	40	0	0
Onkama	0	0	0	0	0	0	0	0	0	0	0	0	0
Onkama Twp.	45	0	7	38	0	0	21	24	1	1	27	0	0
Pleasanton Twp.	38	0	5	33	0	18	0	20	0	0	27	0	0
Springdale Twp.	48	0	7	41	0	0	6	42	2	0	26	0	0
Stronach Twp.	68	0	11	57	0	0	33	35	2	0	49	0	0
Total	915	3	105	807	0	249	160	506	31	6	516	3	4

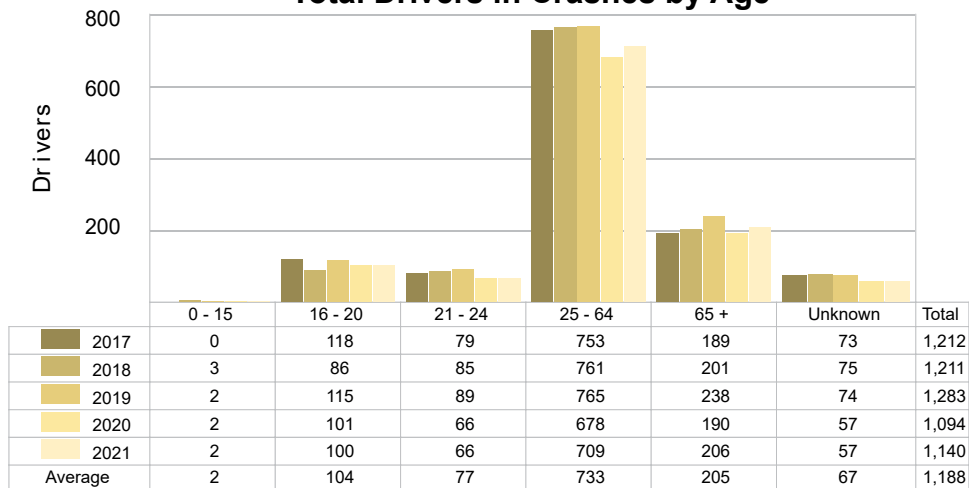
2021 - People in Reported Motor Vehicle Crashes by Municipality

Municipality	People					
	Fatalities	Suspected Serious Injuries	Suspected Minor Injuries	Possible Injuries	No Injuries	Uncoded & Errors
Arcadia Twp.	0	0	1	0	30	5
Bear Lake	0	0	0	0	0	0
Bear Lake Twp.	0	2	2	10	102	5
Brown Twp.	0	0	1	0	37	0
Cleon Twp.	0	1	4	10	42	0
Copemish	0	0	0	0	0	0
Dickson Twp.	0	5	0	4	49	1
Eastlake	0	0	0	0	0	0
Filer Twp.	1	0	3	3	97	1
Kaleva	0	0	0	0	0	0
Manistee	0	8	8	36	272	42
Manistee Twp.	1	8	5	15	183	3
Maple Grove Twp.	0	0	1	1	41	0
Marilla Twp.	0	6	1	0	18	1
Norman Twp.	1	1	4	3	68	0
Onkama	0	0	0	0	0	0
Onkama Twp.	0	1	5	9	50	2
Pleasanton Twp.	0	0	1	7	39	0
Springdale Twp.	0	6	3	8	56	2
Stronach Twp.	0	3	4	7	64	1
Total	3	41	43	113	1,148	63

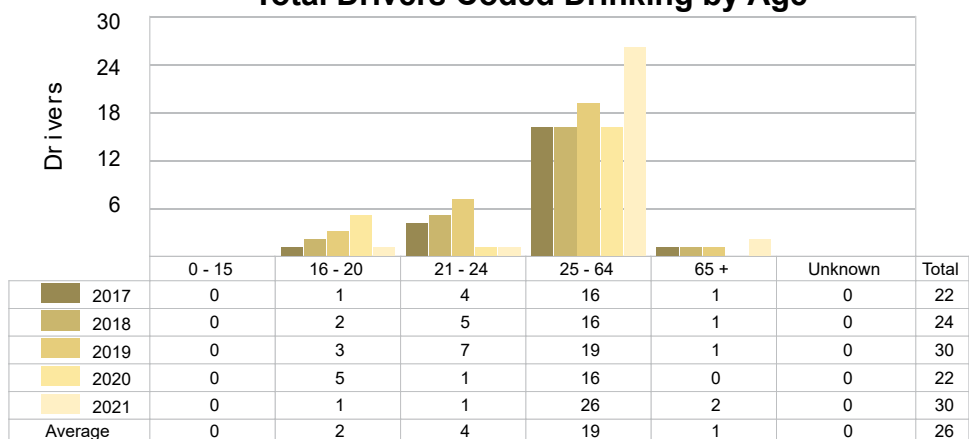
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	0	0	3	0	2	0	2	0	2	0
16 - 20	118	1	86	2	115	3	101	5	100	1
21 - 24	79	4	85	5	89	7	66	1	66	1
25 - 64	753	16	761	16	765	19	678	16	709	26
65 +	189	1	201	1	238	1	190	0	206	2
Unknown	73	0	75	0	74	0	57	0	57	0
Total	1,212	22	1,211	24	1,283	30	1,094	22	1,140	30

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	1	0	0	0	0	0	0	0	0
16 - 20	2	2	1	1	0	1	0	0	0
21 - 24	1	2	1	1	0	0	0	1	0
25 - 64	31	24	17	26	0	4	5	7	10
65 +	3	2	2	2	0	0	2	0	0
Unknown	3	0	0	0	0	0	0	0	0
Total	41	30	21	30	0	5	7	8	10

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).

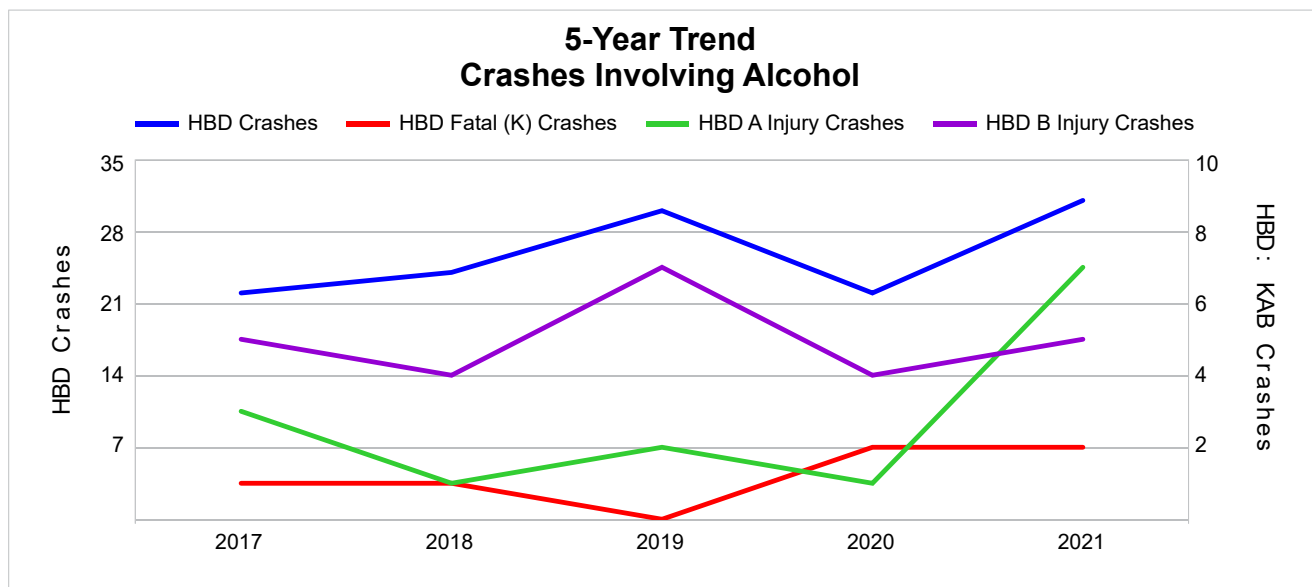
A driver may be coded by the officer as drinking even though no test is administered.

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	967	22	2.3	3	1	33.3	11	3	27.3	33	5	15.2
2018	969	24	2.5	4	1	25.0	14	1	7.1	42	4	9.5
2019	997	30	3.0	1	0	0.0	13	2	15.4	30	7	23.3
2020	862	22	2.6	6	2	33.3	21	1	4.8	23	4	17.4
2021	915	31 **	3.4 **	3	2	66.7 **	21	7 **	33.3 **	29	5	17.2

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.



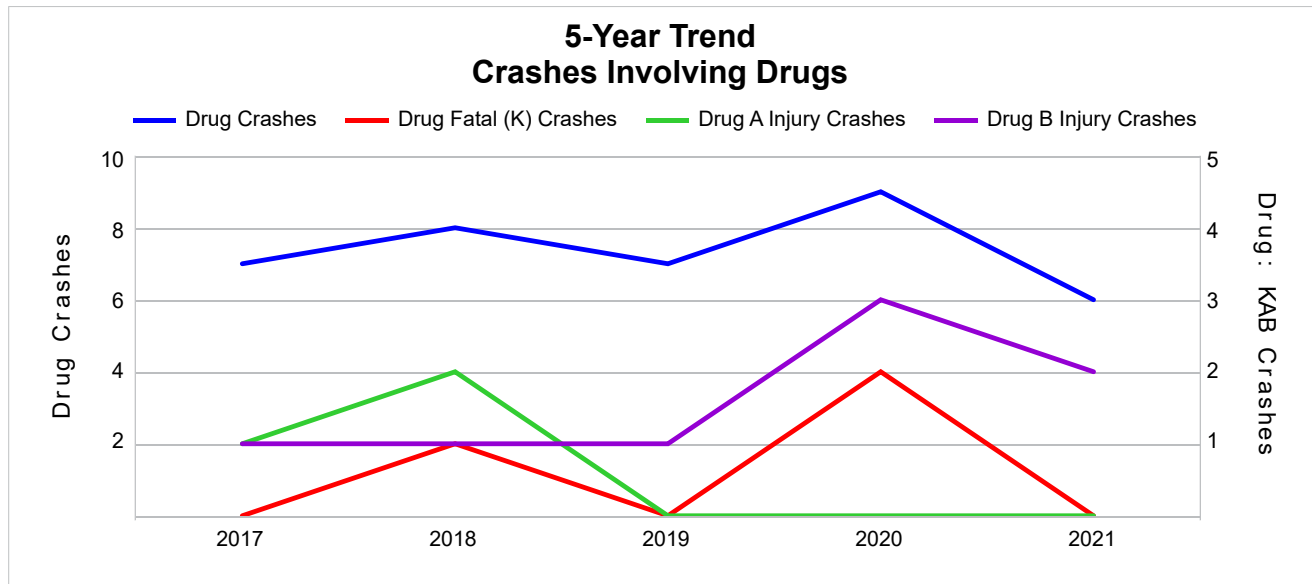
Note: Had-Been-Drinking (HBD)

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	967	7	0.7	3	0	0.0	11	1	9.1	33	1	3.0
2018	969	8	0.8	4	1	25.0	14	2	14.3	42	1	2.4
2019	997	7	0.7	1	0	0.0	13	0	0.0	30	1	3.3
2020	862	9	1.0	6	2	33.3	21	0	0.0	23	3	13.0
2021	915	6 *	0.7 *	3	0	0.0	21	0	0.0	29	2	6.9

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.

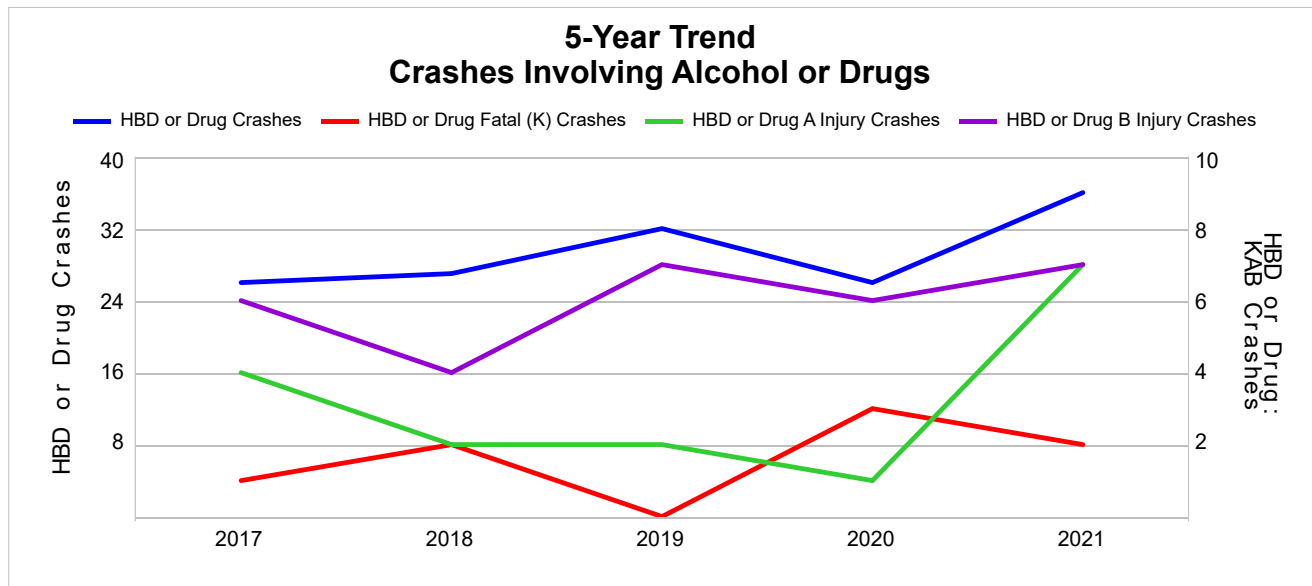


5-Year Trend - Crashes Involving Alcohol or Drugs

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	967	26	2.7	3	1	33.3	11	4	36.4	33	6	18.2
2018	969	27	2.8	4	2	50.0	14	2	14.3	42	4	9.5
2019	997	32	3.2	1	0	0.0	13	2	15.4	30	7	23.3
2020	862	26	3.0	6	3	50.0	21	1	4.8	23	6	26.1
2021	915	36 **	3.9 **	3	2	66.7 **	21	7 **	33.3	29	7	24.1

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.



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	849	769	90.6	2	1	50.0	11	8	72.7	23	23	100.0	53	48	90.6	729	689	94.5
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	242	224	92.6	0	0	0.0	4	2	50.0	6	5	83.3	6	6	100.0	217	211	97.2
Small Truck Under 10,000 lbs. GVWR	8	8	100.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	6	6	100.0
Motorcycle	9	6	66.7	1	1	100.0	3	2	66.7	2	1	50.0	2	2	100.0	0	0	0.0
Moped/Goped	3	2	66.7	0	0	0.0	0	0	0.0	2	1	50.0	0	0	0.0	1	1	100.0
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	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	1	1	100.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	8	6	75.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	6	100.0
Truck/Bus (over 10,000 lbs. GVWR/ 8+ occupants/ hazmat placard)	17	16	94.1	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	17	16	94.1
Uncoded & Errors	20	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	1,159	1,034	89.2	3	2	66.7	19	13	68.4	34	31	91.2	63	58	92.1	977	930	95.2

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	7	5	71.4	0	0	0.0	0	0	0.0	4	3	75.0	3	2	66.7	0	0	0.0
16 - 20	102	97	95.1	0	0	0.0	2	1	50.0	1	0	0.0	8	8	100.0	91	88	96.7
21 - 24	67	65	97.0	0	0	0.0	0	0	0.0	2	2	100.0	5	5	100.0	59	58	98.3
25 - 64	718	674	93.9	3	2	66.7	13	8	61.5	19	18	94.7	36	32	88.9	644	614	95.3
65 +	208	193	92.8	0	0	0.0	4	4	100.0	8	8	100.0	11	11	100.0	183	170	92.9
Unknown	57	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	1,159	1,034	89.2	3	2	66.7	19	13	68.4	34	31	91.2	63	58	92.1	977	930	95.2

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	2	1	0	0	5	0	0	3	0	0	0	0	0
Shoulder Belt Only Used	8	0	1	8	0	2	8	0	1	9	0	0	5	0	1
Lap Belt Only Used	2	0	0	1	0	0	3	0	0	3	0	0	1	0	0
Both Lap & Shoulder Belt Used	1,100	2	89	1,085	1	74	1,155	0	85	976	1	65	1,002	1	77
No Belts Used	6	0	3	9	2	5	7	0	3	8	2	3	6	1	3
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	1	0	0	0	0	0
Restraint Use Unknown	83	0	1	86	0	2	93	1	4	75	1	3	114	0	6
Helmet Worn	6	0	4	14	0	10	10	0	7	6	0	5	9	1	7
Helmet Not Worn	3	1	1	5	0	3	2	0	2	12	0	10	3	0	3
Helmet Use Unknown	0	0	0	2	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	1,212	3	101	1,211	3	96	1,283	1	102	1,094	4	87	1,140	3	97

5-Year Trend - Restraint Use Among Drivers Coded Drinking

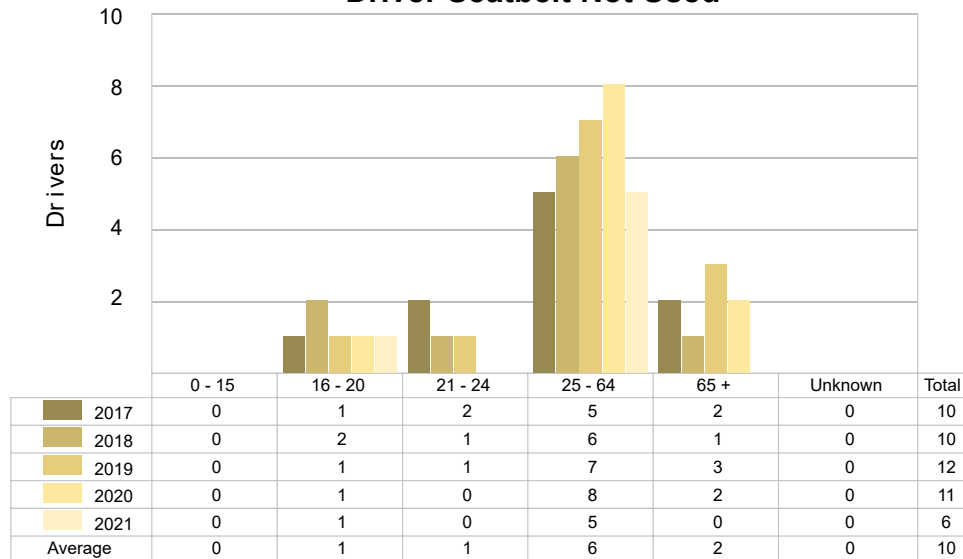
Restraint Use	2017			2018			2019			2020			2021		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No Belts Available	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shoulder Belt Only Used	0	0	0	1	0	1	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	22	1	10	15	0	1	25	0	10	17	0	4	20	1	9
No Belts Used	0	0	0	4	1	2	1	0	1	1	1	0	2	0	2
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	0	0	0	4	0	1	4	0	1	3	0	2	6	0	1
Helmet Worn	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
Helmet Not Worn	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
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	22	1	10	24	1	5	30	0	12	22	1	7	30	2	13

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	1	0	1	2	0	2	1	0	0	1	0	1	1	0	1
21 - 24	2	0	1	1	0	1	1	0	0	0	0	0	0	0	0
25 - 64	5	0	1	6	2	1	7	0	3	8	1	2	5	1	2
65 +	2	0	2	1	0	1	3	0	0	2	1	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	10	0	5	10	2	5	12	0	3	11	2	3	6	1	3

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

5-Year Trend Driver Seatbelt Not Used

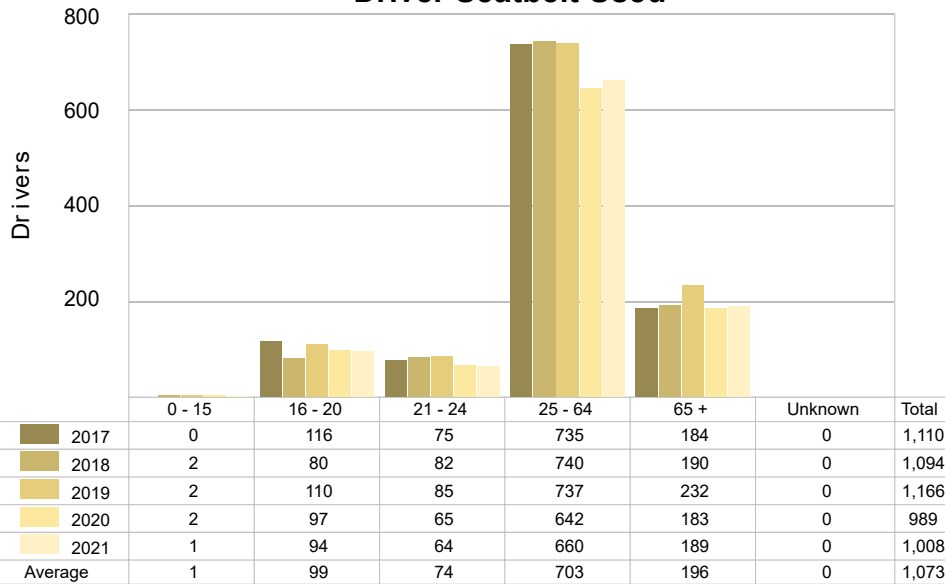


5-Year Trend - Seatbelt Used Among Drivers by Age

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	0	0	0	2	0	0	2	0	0	2	0	0	1	0	1
16 - 20	116	0	13	80	0	8	110	0	12	97	0	11	94	0	7
21 - 24	75	1	9	82	0	6	85	0	6	65	0	4	64	0	6
25 - 64	735	1	59	740	0	41	737	0	50	642	1	38	660	1	45
65 +	184	0	9	190	1	21	232	0	18	183	0	12	189	0	19
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,110	2	90	1,094	1	76	1,166	0	86	989	1	65	1,008	1	78

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	862	2	865	1	890	1	786	3	809	0
Speed Too Fast	74	0	74	0	77	1	51	0	51	2
Speed Too Slow	2	0	1	0	0	0	1	0	0	0
Failed to Yield	65	0	52	1	47	0	44	0	53	0
Disregard Traffic Control	3	0	8	0	10	0	10	0	5	0
Drove Wrong Way	0	0	0	0	0	0	0	0	1	0
Drove Left of Center	6	0	3	0	11	0	6	1	5	0
Improper Passing	4	0	6	0	1	0	3	0	1	0
Improper Lane Use	8	0	25	0	17	0	16	0	12	0
Improper Turn	10	0	6	0	7	0	5	0	3	0
Improper/No Signal	1	0	0	0	2	0	0	0	1	0
Improper Backing	23	0	19	0	21	0	19	0	17	0
Unable to Stop in Assured Clear Distance	59	0	53	0	84	0	52	0	58	0
Other	29	0	31	0	40	0	33	0	37	1
Unknown	32	2	42	2	47	0	28	0	48	0
Reckless Driving	0	0	7	0	5	0	8	2	3	0
Careless/Negligent Driving	34	0	19	1	24	0	32	1	36	0
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0
Total	1,212	4	1,211	5	1,283	2	1,094	7	1,140	3

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

