



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

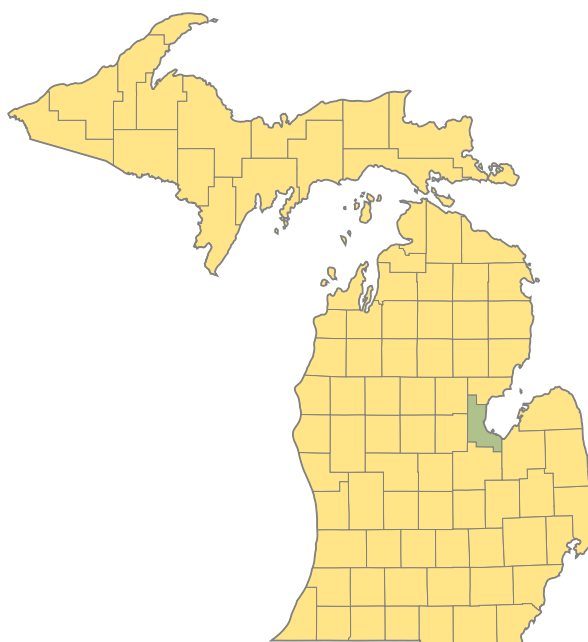
O = No Injury

Property Damage Only (PDO)



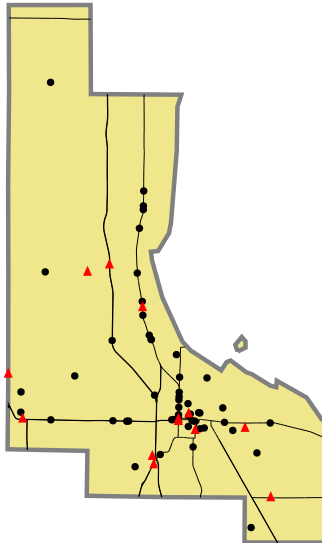
Bay County

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.



2021 - Crashes and Injury by Month

Month	Crashes				People	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	242	1	42	199	1	53
February	213	0	29	184	0	35
March	168	1	24	143	1	34
April	184	2	31	151	2	44
May	252	0	49	203	0	60
June	243	2	43	198	2	63
July	232	2	51	179	2	70
August	217	0	50	167	0	66
September	243	0	50	193	0	66
October	324	1	43	280	1	53
November	300	1	45	254	1	64
December	320	3	47	270	3	64
Total	2,938	13	504	2,421	13	672

2021 - Driver Statistics

Age Group	Bay County			Driver Rates	
	2019 Population*	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	17,985	612	10	5.6	163.4
16 - 20	5,659	4,647	544	961.3	1,170.6
21 - 24	4,757	4,475	435	914.4	972.1
25 - 64	53,083	48,664	2,705	509.6	555.9
65 +	21,642	21,110	615	284.2	291.3
Unknown	0	0	441	--	--
Total	103,126	79,508	4,750	460.6	597.4

*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	3,678	77.4	12	60.0	687	2,979
Motor Home	8	0.2	0	0.0	2	6
Pickup Truck	778	16.4	6	30.0	121	651
Small Truck Under 10,000 lbs. GVWR	17	0.4	0	0.0	3	14
Motorcycle	37	0.8	2	10.0	28	7
Moped/Goped	9	0.2	0	0.0	6	3
Go-Cart/Golf Cart	0	0.0	0	0.0	0	0
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	3	0.1	0	0.0	1	2
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	18	0.4	0	0.0	2	16
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	90	1.9	0	0.0	16	74
Uncoded & Errors	112	2.4	0	0.0	7	105
Total	4,750	100.0	20	100.0	873	3,857

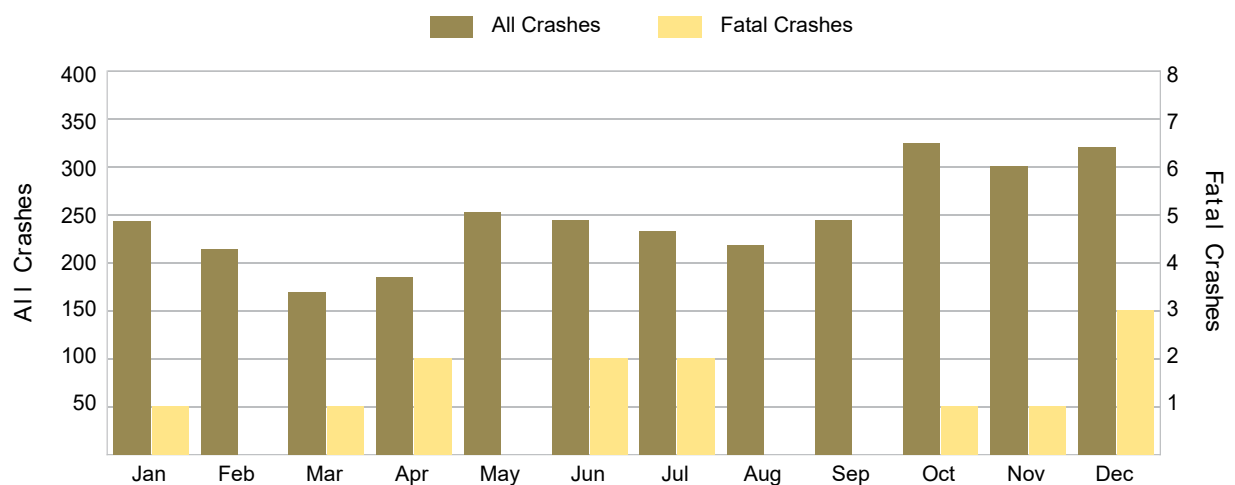
5-Year Trend - Crashes by Month

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	276	0	344	1	337	0	263	1	242	1
February	172	1	240	0	273	0	273	1	213	0
March	226	0	258	2	198	2	131	0	168	1
April	187	0	242	1	244	0	84	0	184	2
May	232	1	224	1	288	0	197	1	252	0
June	259	1	249	0	258	1	250	2	243	2
July	226	0	228	0	244	1	226	1	232	2
August	223	0	213	2	239	2	187	1	217	0
September	224	0	200	2	211	0	209	3	243	0
October	314	1	279	2	307	1	312	0	324	1
November	297	0	349	0	351	0	235	0	300	1
December	416	1	252	0	263	1	201	0	320	3
Total	3,052	5	3,078	11	3,213	8	2,568	10	2,938	13

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	459	1	459	1	487	0	362	0	395	1
Tuesday	473	0	435	1	453	1	354	1	463	3
Wednesday	482	0	450	3	523	1	386	3	443	3
Thursday	478	0	450	1	467	3	435	2	461	1
Friday	435	2	577	1	513	0	439	1	461	3
Saturday	397	2	378	4	412	1	322	1	385	1
Sunday	328	0	329	0	358	2	270	2	330	1
Total	3,052	5	3,078	11	3,213	8	2,568	10	2,938	13

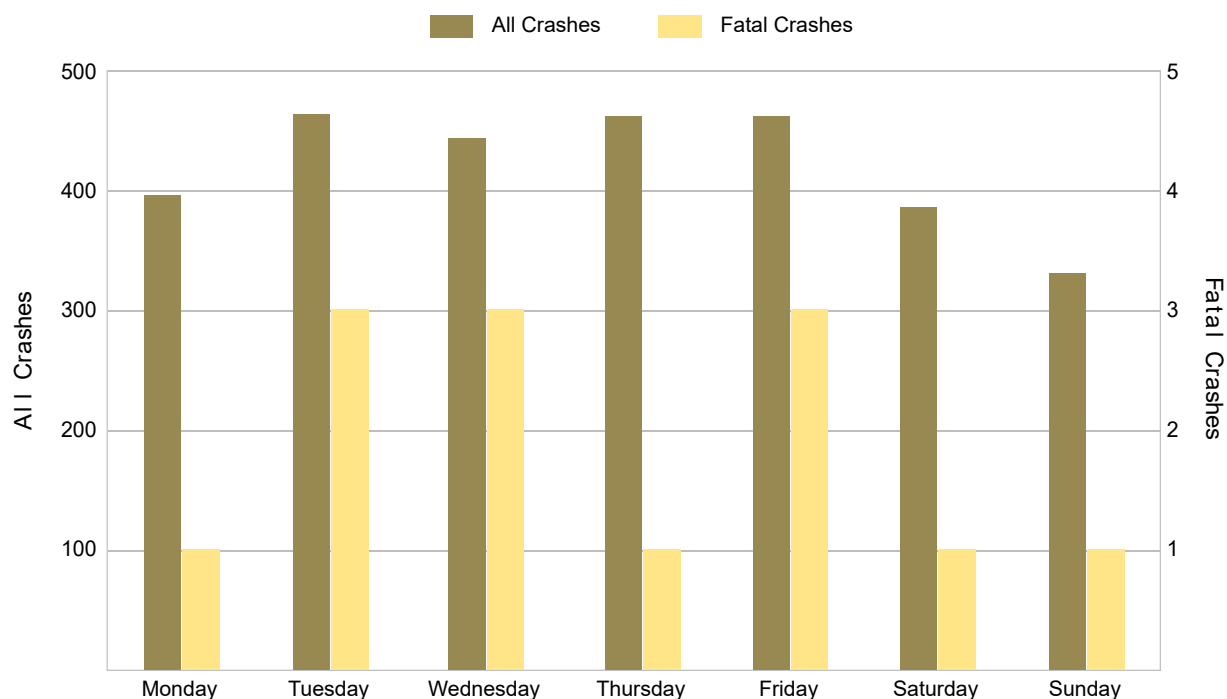
2021 Crashes by Month



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	395	13.4	1	7.7	13	19	34	328
Tuesday	463	15.8	3	23.1	3	11	43	403
Wednesday	443	15.1	3	23.1	5	25	49	361
Thursday	461	15.7	1	7.7	5	18	51	386
Friday	461	15.7	3	23.1	7	17	58	376
Saturday	385	13.1	1	7.7	13	16	49	306
Sunday	330	11.2	1	7.7	7	24	37	261
Total	2,938	100.0	13	100.0	53	130	321	2,421

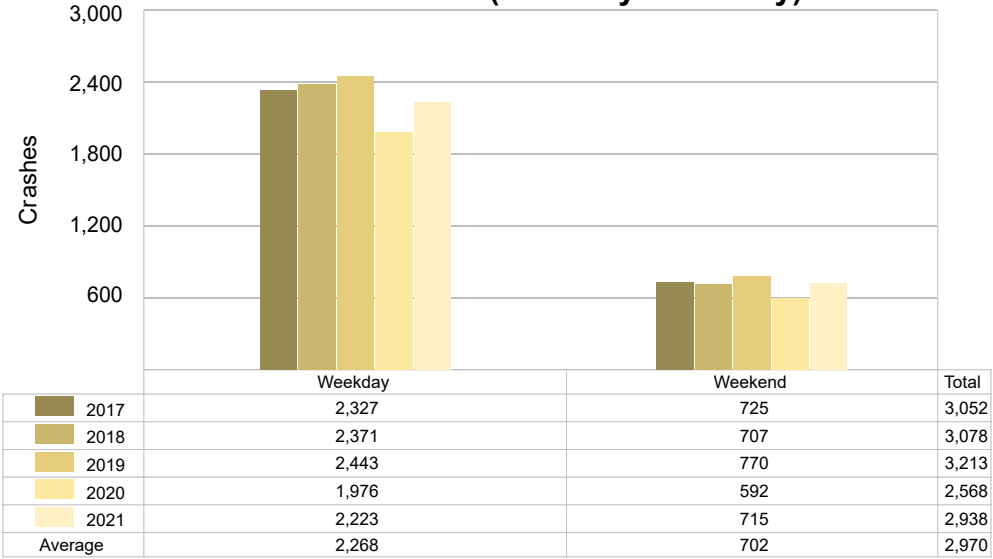
2021 Day of Week and Severity



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	2,327	3	2,371	7	2,443	5	1,976	7	2,223	11
Weekend	725	2	707	4	770	3	592	3	715	2
Total	3,052	5	3,078	11	3,213	8	2,568	10	2,938	13

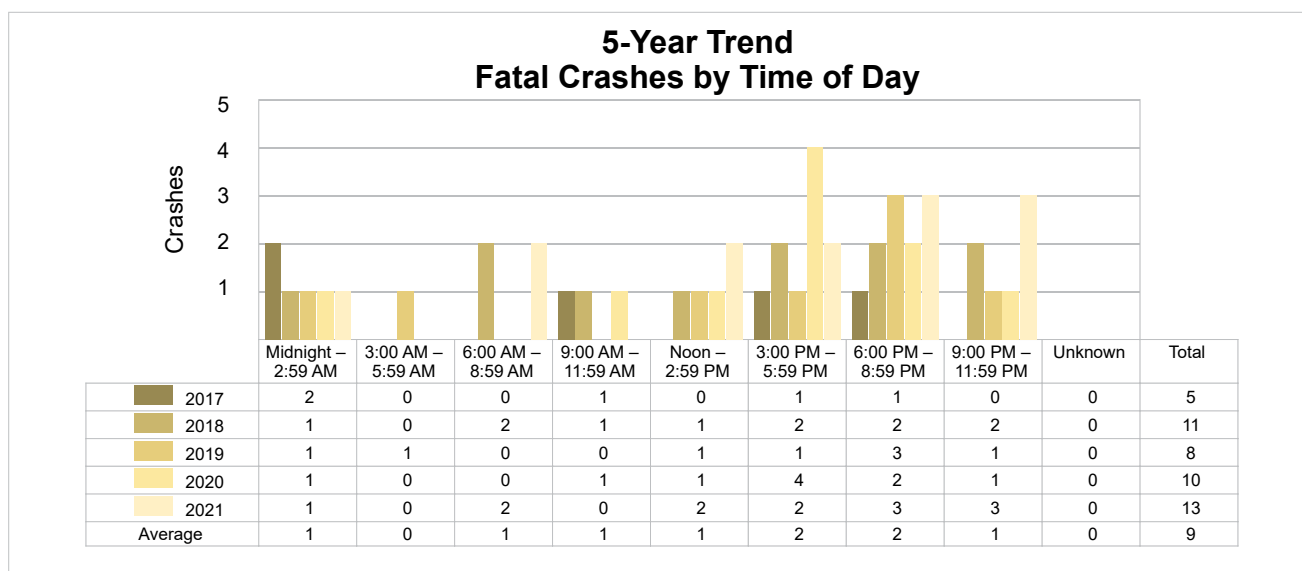
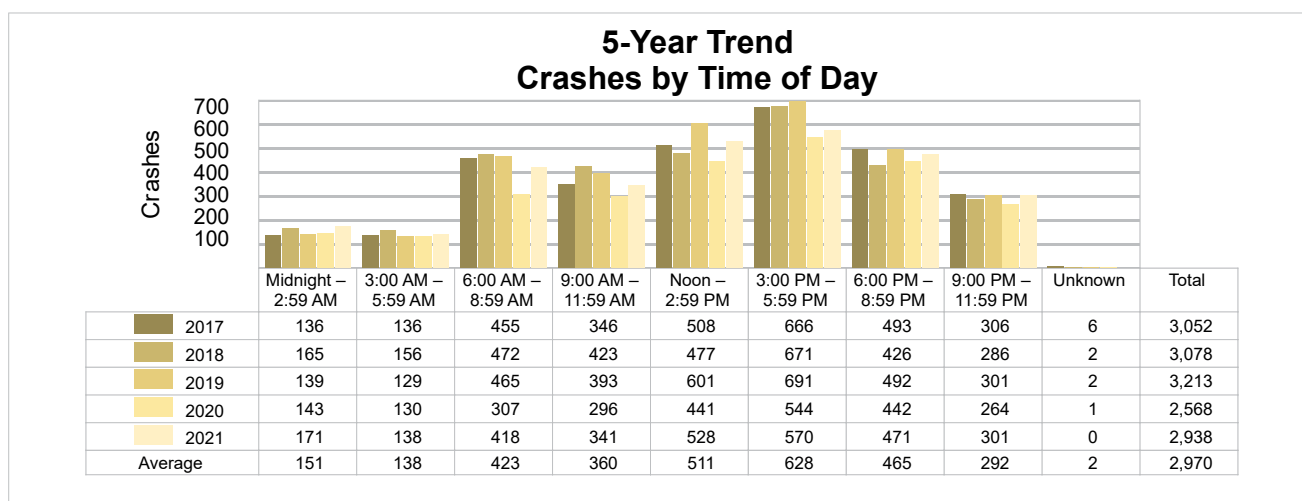
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

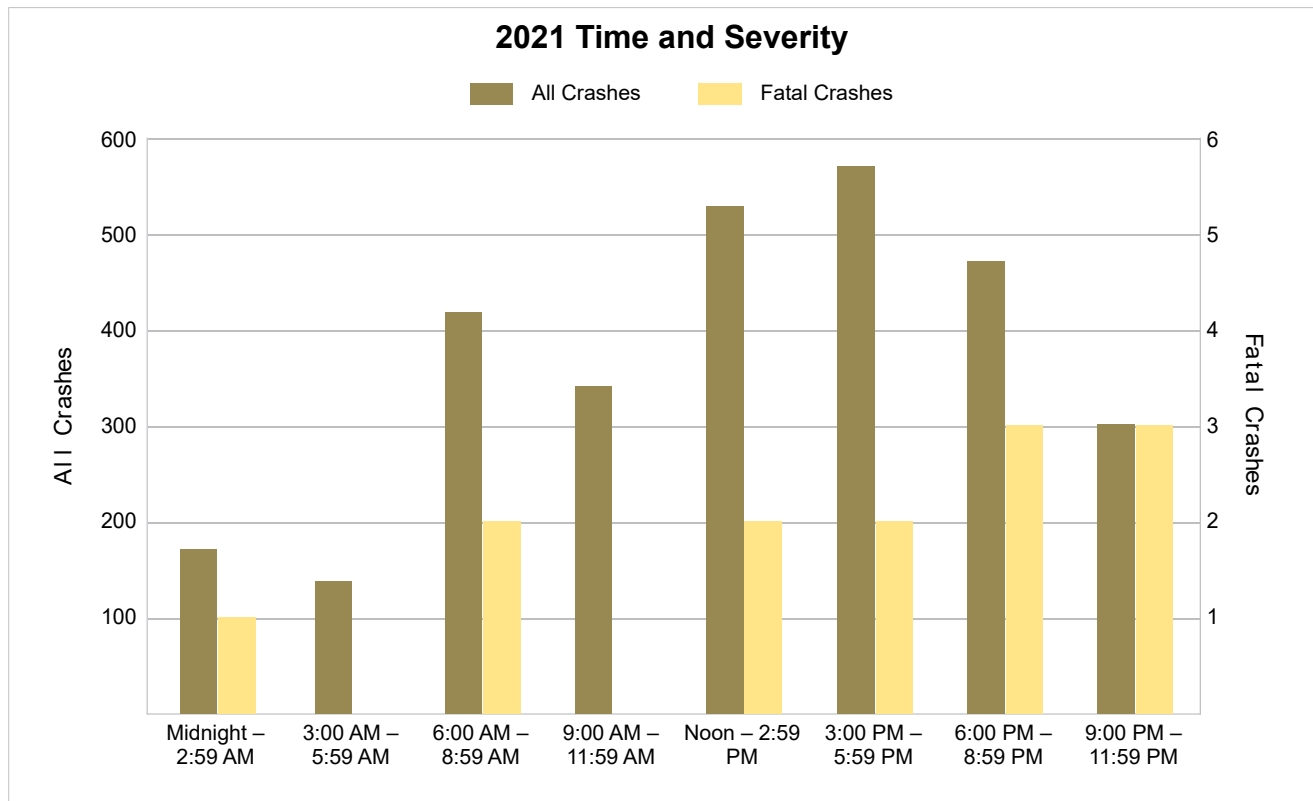
Time of Day	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight – 2:59 AM	136	2	165	1	139	1	143	1	171	1
3:00 AM – 5:59 AM	136	0	156	0	129	1	130	0	138	0
6:00 AM – 8:59 AM	455	0	472	2	465	0	307	0	418	2
9:00 AM – 11:59 AM	346	1	423	1	393	0	296	1	341	0
Noon – 2:59 PM	508	0	477	1	601	1	441	1	528	2
3:00 PM – 5:59 PM	666 †	1	671 †	2	691 †	1	544 †	4	570 †	2
6:00 PM – 8:59 PM	493	1	426	2	492	3	442	2	471	3
9:00 PM – 11:59 PM	306	0	286	2	301	1	264	1	301	3
Unknown	6	0	2	0	2	0	1	0	0	0
Total	3,052	5	3,078	11	3,213	8	2,568	10	2,938	13

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



2021 - Time and Severity

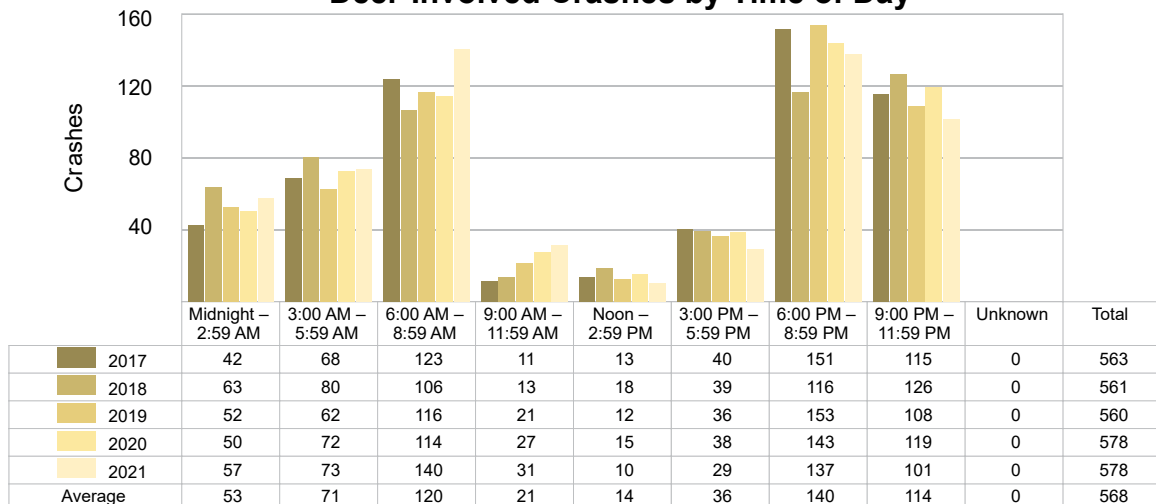
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight – 2:59 AM	171	5.8	1	7.7	5	12	11	142
3:00 AM – 5:59 AM	138	4.7	0	0.0	2	10	10	116
6:00 AM – 8:59 AM	418	14.2	2	15.4	6	11	20	379
9:00 AM – 11:59 AM	341	11.6	0	0.0	4	13	37	287
Noon – 2:59 PM	528	18.0	2	15.4	8	28	84	406
3:00 PM – 5:59 PM	570	19.4	2	15.4	13	26	79	450
6:00 PM – 8:59 PM	471	16.0	3	23.1	5	18	50	395
9:00 PM – 11:59 PM	301	10.2	3	23.1	10	12	30	246
Unknown	0	0.0	0	0.0	0	0	0	0
Total	2,938	100.0	13	100.0	53	130	321	2,421



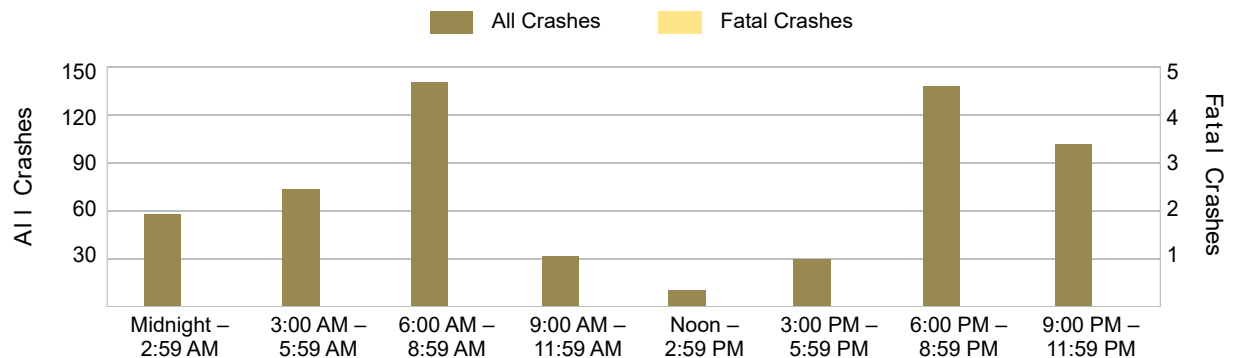
5-Year Trend - Deer-Involved Crashes by Time of Day

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	42	0	63	0	52	0	50	0	57	0
3:00 AM – 5:59 AM	68	0	80	0	62	0	72	0	73	0
6:00 AM – 8:59 AM	123	0	106	0	116	0	114	0	140	0
9:00 AM – 11:59 AM	11	0	13	0	21	0	27	0	31	0
Noon – 2:59 PM	13	0	18	0	12	0	15	0	10	0
3:00 PM – 5:59 PM	40	0	39	0	36	0	38	0	29	0
6:00 PM – 8:59 PM	151	0	116	0	153	0	143	0	137	0
9:00 PM – 11:59 PM	115	0	126	0	108	0	119	0	101	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	563	0	561	0	560	0	578	0	578	0

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



2021 Time and Severity of Deer-Involved Crashes

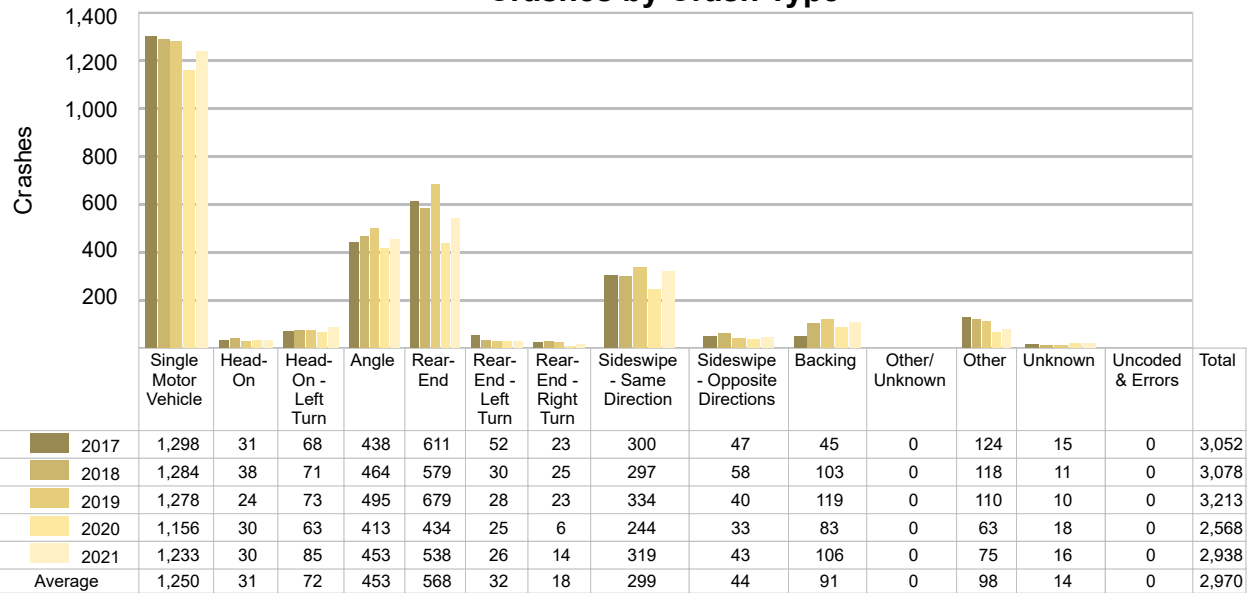


There were no fatal deer-involved crashes in Bay County in 2021.

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	1,298	2	1,284	5	1,278	5	1,156	6	1,233	5
Head-On	31	0	38	0	24	0	30	1	30	1
Head-On - Left Turn	68	0	71	0	73	2	63	0	85	0
Angle	438	2	464	1	495	1	413	2	453	5
Rear-End	611	1	579	2	679	0	434	0	538	0
Rear-End - Left Turn	52	0	30	0	28	0	25	0	26	0
Rear-End - Right Turn	23	0	25	0	23	0	6	0	14	0
Sideswipe - Same Direction	300	0	297	1	334	0	244	0	319	1
Sideswipe - Opposite Directions	47	0	58	1	40	0	33	0	43	0
Backing	45	0	103	0	119	0	83	0	106	0
Other/Unknown	0	0	0	0	0	0	0	0	0	0
Other	124	0	118	1	110	0	63	1	75	1
Unknown	15	0	11	0	10	0	18	0	16	0
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0
Total	3,052	5	3,078	11	3,213	8	2,568	10	2,938	13

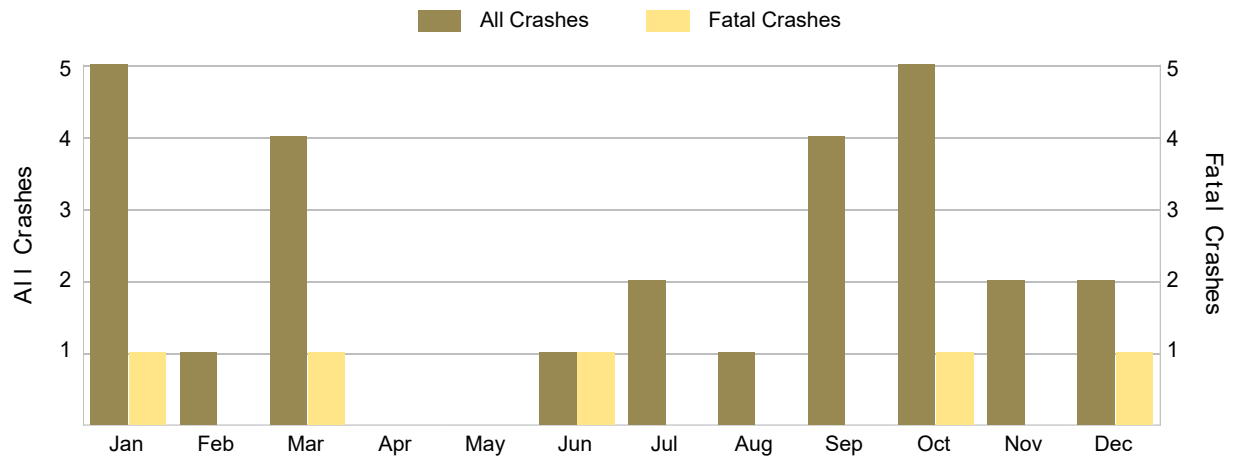
5-Year Trend Crashes by Crash Type



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	2	0	1	1	1	0	0	0	5	1
February	5	1	1	0	1	0	1	0	1	0
March	2	0	2	0	2	0	0	0	4	1
April	2	0	1	0	0	0	0	0	0	0
May	2	0	0	0	1	0	1	1	0	0
June	2	1	2	0	2	0	3	0	1	1
July	1	0	2	0	2	0	2	0	2	0
August	1	0	1	0	0	0	1	0	1	0
September	1	0	1	0	2	0	4	2	4	0
October	1	0	3	0	5	0	0	0	5	1
November	0	0	2	0	0	0	2	0	2	0
December	1	0	1	0	1	0	5	0	2	1
Total	20	2	17	1	17	0	19	3	27	5

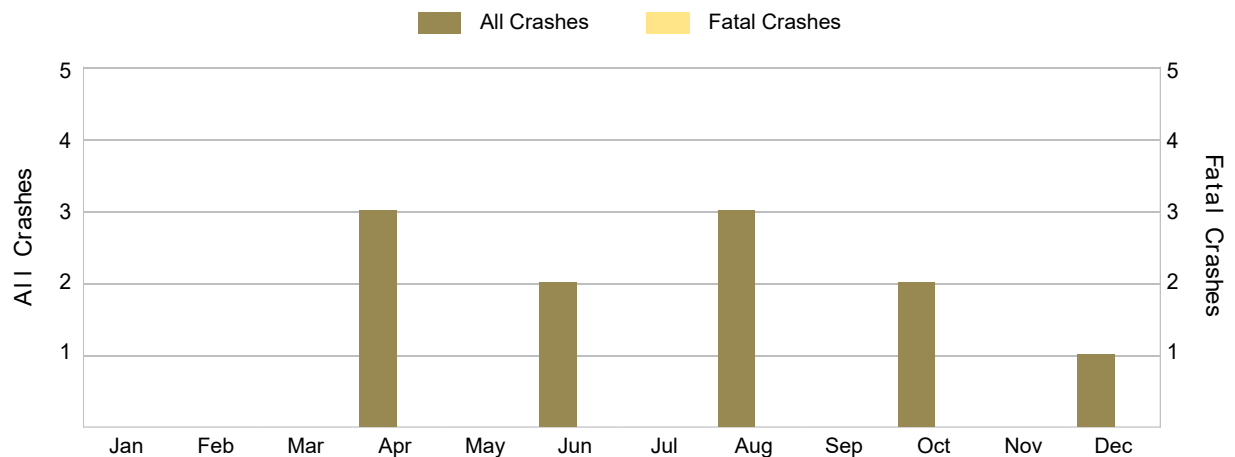
2021 Pedestrian-Involved Crashes by Month



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	2	0	0	0	1	0	0	0
February	0	0	0	0	0	0	0	0	0	0
March	1	0	0	0	1	0	1	0	0	0
April	2	0	0	0	2	0	0	0	3	0
May	3	0	3	0	0	0	1	0	0	0
June	1	0	0	0	3	0	2	0	2	0
July	2	0	2	0	1	0	3	0	0	0
August	1	0	2	0	4	0	2	0	3	0
September	3	0	3	1	5	0	3	0	0	0
October	1	0	0	0	2	0	1	0	2	0
November	1	0	1	0	0	0	0	0	0	0
December	1	0	0	0	1	0	0	0	1	0
Total	16	0	13	1	19	0	14	0	11	0

2021 Bicyclist-Involved Crashes by Month



There were no fatal bicyclist-involved crashes in Bay 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
Auburn	32	0	3	29	0	11	0	20	1	0	0	0	0
Bangor Twp.	239	0	40	199	0	0	122	117	8	2	31	4	4
Bay City	970	4	173	793	0	0	424	546	48	12	11	12	5
Beaver Twp.	46	0	1	45	0	0	0	46	1	0	30	0	0
Essexville	28	0	2	26	0	0	0	28	3	0	1	0	0
Frankenlust Twp.	180	2	35	143	55	0	51	74	6	0	39	3	0
Fraser Twp.	106	1	18	87	38	0	37	31	3	2	44	0	0
Garfield Twp.	54	1	8	45	0	0	0	54	1	0	30	0	0
Gibson Twp.	43	0	2	41	0	0	13	29	0	0	31	0	0
Hampton Twp.	146	1	27	118	0	0	72	74	4	0	45	3	0
Kawkawlin Twp.	189	1	35	153	47	0	89	53	8	2	50	0	0
Merritt Twp.	35	1	5	29	0	0	18	16	1	0	15	1	0
Midland	11	0	1	10	0	6	0	5	1	0	2	0	0
Monitor Twp.	409	0	79	330	78	74	60	197	19	1	78	3	1
Mt. Forest Twp.	43	0	9	34	0	0	0	43	0	0	28	0	0
Pinconning	14	0	0	14	0	0	12	2	1	1	0	0	0
Pinconning Twp.	116	0	16	100	32	0	26	58	4	0	58	0	0
Portsmouth Twp.	92	0	16	76	0	0	36	55	5	0	26	0	0
Williams Twp.	185	2	34	149	0	63	24	96	9	0	59	1	1
Total	2,938	13	504	2,421	250	154	984	1,544	123	20	578	27	11

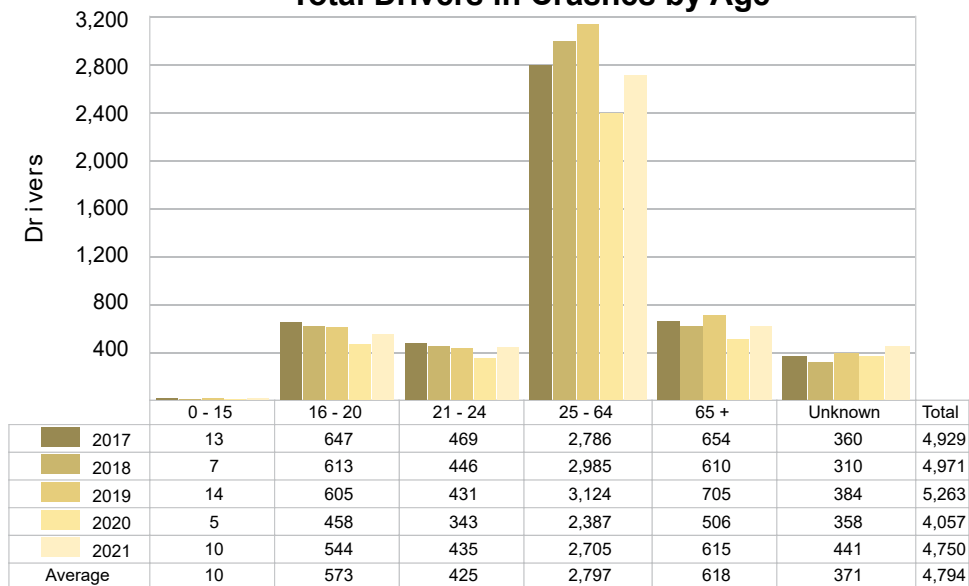
2021 - People in Reported Motor Vehicle Crashes by Municipality

Municipality	People					
	Fatalities	Suspected Serious Injuries	Suspected Minor Injuries	Possible Injuries	No Injuries	Uncoded & Errors
Auburn	0	0	0	6	59	9
Bangor Twp.	0	25	12	72	428	24
Bay City	4	30	126	317	1,757	326
Beaver Twp.	0	0	1	0	56	1
Essexville	0	2	0	2	39	13
Frankenlust Twp.	2	4	17	53	231	11
Fraser Twp.	1	6	7	25	141	8
Garfield Twp.	1	1	8	3	62	2
Gibson Twp.	0	1	0	1	48	0
Hampton Twp.	1	13	10	42	237	6
Kawkawlin Twp.	1	23	20	58	296	7
Merritt Twp.	1	3	12	6	50	1
Midland	0	0	2	0	15	1
Monitor Twp.	0	19	57	117	635	21
Mt. Forest Twp.	0	0	8	6	39	2
Pinconning	0	0	0	0	28	1
Pinconning Twp.	0	0	2	30	135	7
Portsmouth Twp.	0	1	10	29	129	3
Williams Twp.	2	6	19	26	227	5
Total	13	134	311	793	4,612	448

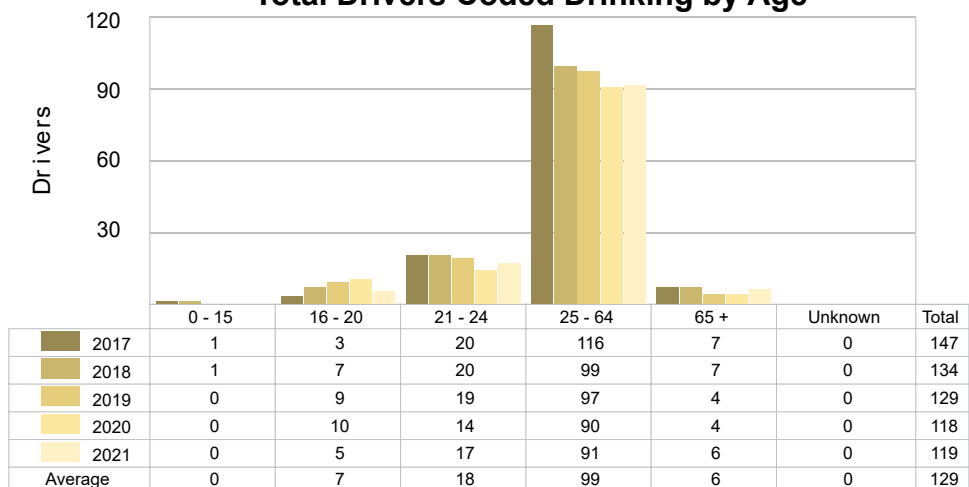
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	13	1	7	1	14	0	5	0	10	0
16 - 20	647	3	613	7	605	9	458	10	544	5
21 - 24	469	20	446	20	431	19	343	14	435	17
25 - 64	2,786	116	2,985	99	3,124	97	2,387	90	2,705	91
65 +	654	7	610	7	705	4	506	4	615	6
Unknown	360	0	310	0	384	0	358	0	441	0
Total	4,929	147	4,971	134	5,263	129	4,057	118	4,750	119

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	11	5	5	0	2	3	0	0
21 - 24	21	24	15	17	0	1	4	5	7
25 - 64	113	100	79	91	0	4	16	36	35
65 +	11	5	4	6	0	1	2	1	2
Unknown	25	0	0	0	0	0	0	0	0
Total	180	140	103	119	0	8	25	42	44

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).

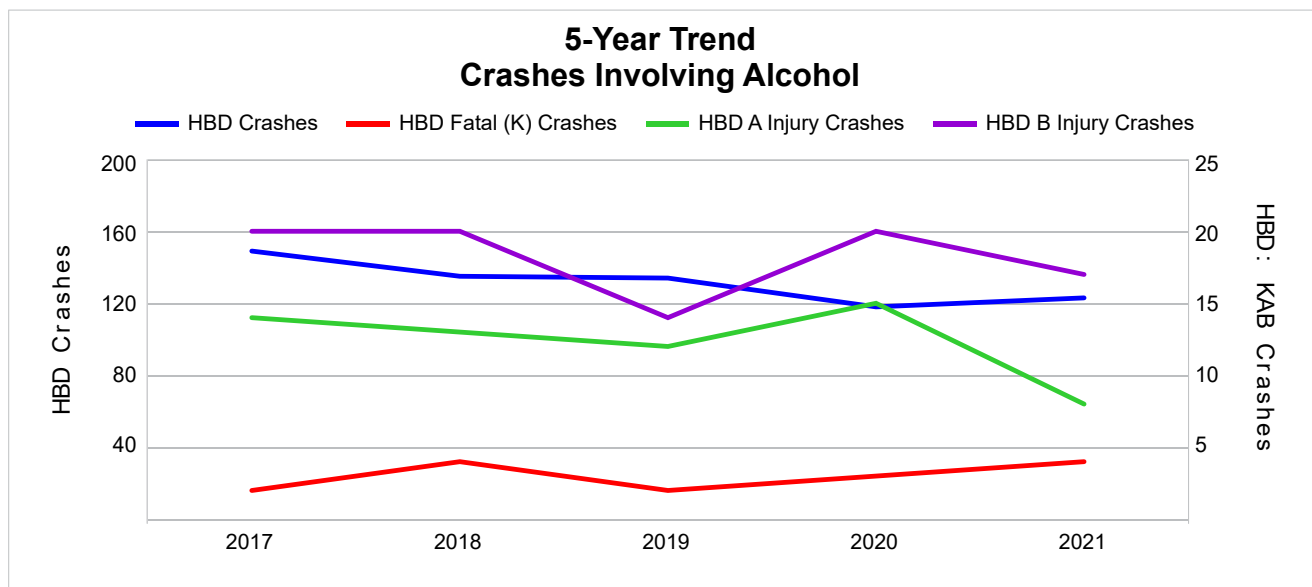
A driver may be coded by the officer as drinking even though no test is administered.

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	3,052	149	4.9	5	2	40.0	48	14	29.2	138	20	14.5
2018	3,078	135	4.4	11	4	36.4	57	13	22.8	159	20	12.6
2019	3,213	134	4.2	8	2	25.0	52	12	23.1	157	14	8.9
2020	2,568	118	4.6	10	3	30.0	65	15	23.1	133	20	15.0
2021	2,938	123	4.2	13 **	4	30.8	53	8 *	15.1 *	130 *	17	13.1

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.



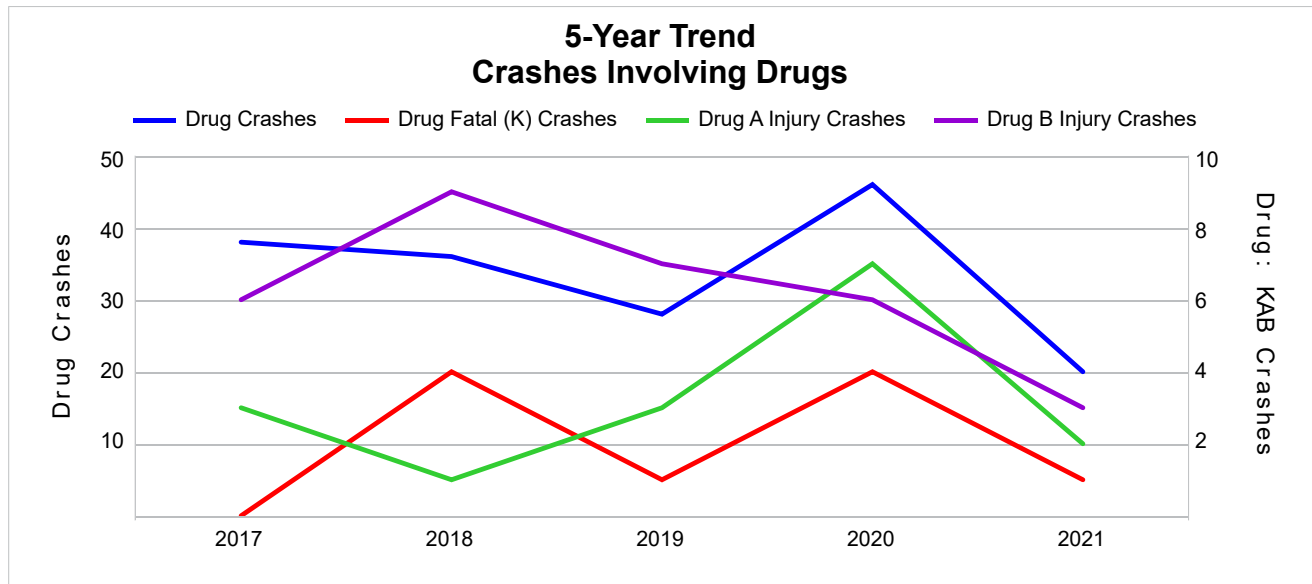
Note: Had-Been-Drinking (HBD)

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	3,052	38	1.2	5	0	0.0	48	3	6.3	138	6	4.3
2018	3,078	36	1.2	11	4	36.4	57	1	1.8	159	9	5.7
2019	3,213	28	0.9	8	1	12.5	52	3	5.8	157	7	4.5
2020	2,568	46	1.8	10	4	40.0	65	7	10.8	133	6	4.5
2021	2,938	20 *	0.7 *	13 **	1	7.7	53	2	3.8	130 *	3 *	2.3 *

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.

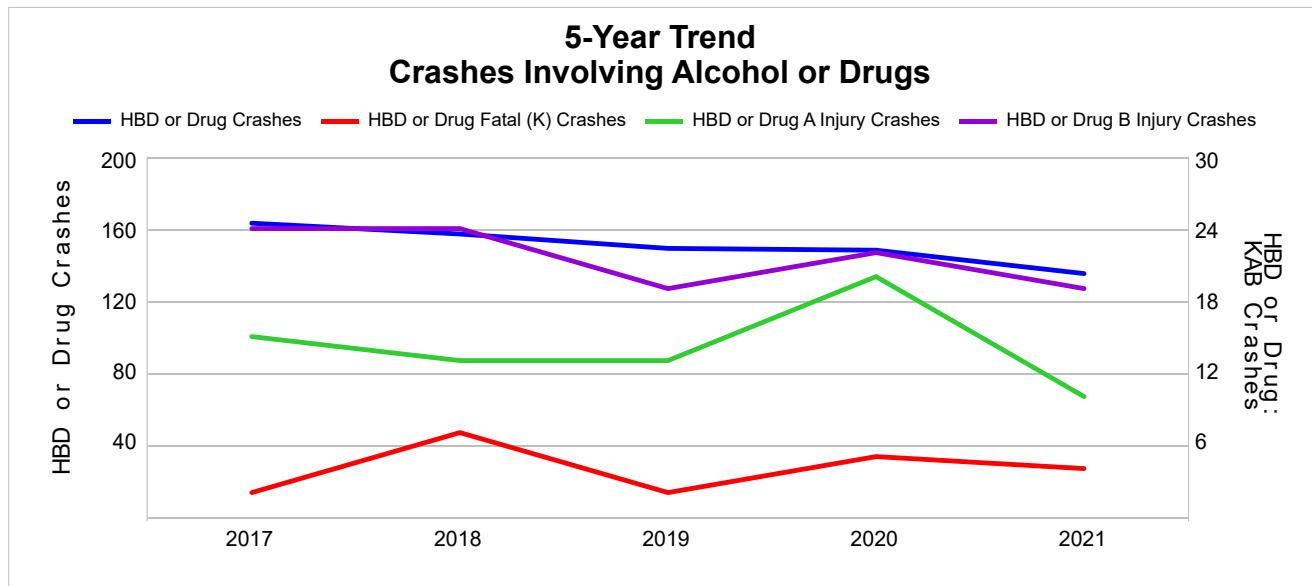


5-Year Trend - Crashes Involving Alcohol or Drugs

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	3,052	163	5.3	5	2	40.0	48	15	31.3	138	24	17.4
2018	3,078	157	5.1	11	7	63.6	57	13	22.8	159	24	15.1
2019	3,213	149	4.6	8	2	25.0	52	13	25.0	157	19	12.1
2020	2,568	148	5.8	10	5	50.0	65	20	30.8	133	22	16.5
2021	2,938	135 *	4.6 *	13 **	4	30.8	53	10 *	18.9 *	130 *	19	14.6

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	3,804	3,449	90.7	5	2	40.0	36	34	94.4	104	87	83.7	379	369	97.4	3,012	2,957	98.2
Motor Home	8	8	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	7	7	100.0
Pickup Truck	802	720	89.8	1	1	100.0	9	5	55.6	23	19	82.6	44	38	86.4	668	657	98.4
Small Truck Under 10,000 lbs. GVWR	17	14	82.4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	14	14	100.0
Motorcycle	40	23	57.5	2	2	100.0	9	4	44.4	15	8	53.3	6	4	66.7	6	5	83.3
Moped/Goped	9	1	11.1	0	0	0.0	2	1	50.0	4	0	0.0	0	0	0.0	3	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	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)	4	1	25.0	0	0	0.0	0	0	0.0	2	0	0.0	0	0	0.0	2	1	50.0
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	18	14	77.8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	15	14	93.3
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	90	84	93.3	0	0	0.0	1	1	100.0	1	0	0.0	5	5	100.0	81	78	96.3
Uncoded & Errors	112	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	4,904	4,314	88.0	8	5	62.5	57	45	78.9	149	114	76.5	435	417	95.9	3,808	3,733	98.0

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	42	37	88.1	0	0	0.0	2	2	100.0	9	6	66.7	22	20	90.9	9	9	100.0
16 - 20	566	554	97.9	0	0	0.0	4	3	75.0	15	12	80.0	47	42	89.4	500	497	99.4
21 - 24	446	430	96.4	1	0	0.0	6	5	83.3	11	7	63.6	45	45	100.0	382	373	97.6
25 - 64	2,770	2,661	96.1	4	2	50.0	38	28	73.7	87	65	74.7	239	229	95.8	2,397	2,337	97.5
65 +	639	632	98.9	3	3	100.0	7	7	100.0	27	24	88.9	82	81	98.8	520	517	99.4
Unknown	441	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	4,904	4,314	88.0	8	5	62.5	57	45	78.9	149	114	76.5	435	417	95.9	3,808	3,733	98.0

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	1	6	0	0	4	0	0	3	0	2	8	0	1
Shoulder Belt Only Used	24	0	3	22	0	1	18	0	4	13	0	2	8	0	0
Lap Belt Only Used	12	0	3	9	0	0	9	0	3	9	0	0	11	0	3
Both Lap & Shoulder Belt Used	4,404	0	486	4,465	2	488	4,701	3	564	3,531	1	415	4,139	2	425
No Belts Used	32	1	13	30	2	16	22	3	12	37	3	18	33	3	17
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	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Restraint Use Unknown	423	0	10	387	2	10	473	0	7	432	1	12	506	0	9
Helmet Worn	15	0	13	32	3	22	11	0	8	13	0	9	22	2	15
Helmet Not Worn	14	0	12	20	0	17	22	1	14	19	0	17	22	0	17
Helmet Use Unknown	0	0	0	0	0	0	2	0	2	0	0	0	1	0	1
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	4,929	1	541	4,971	9	554	5,263	7	614	4,057	5	475	4,750	7	488

5-Year Trend - Restraint Use Among Drivers Coded Drinking

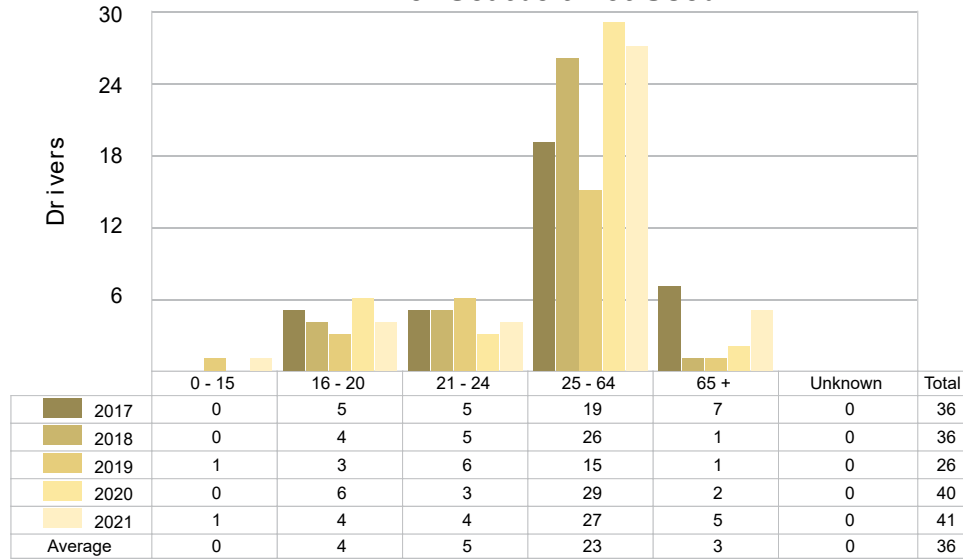
Restraint Use	2017			2018			2019			2020			2021		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No Belts Available	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0
Shoulder Belt Only Used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lap Belt Only Used	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Both Lap & Shoulder Belt Used	114	0	31	94	1	27	98	1	18	78	0	17	84	0	16
No Belts Used	11	0	6	11	1	8	7	0	6	11	1	6	9	2	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	0	0	0	0	0	0	0	0	0	0	0	0
Restraint Use Unknown	14	0	4	24	0	6	19	0	4	24	0	5	20	0	5
Helmet Worn	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Helmet Not Worn	6	0	6	4	0	4	5	0	3	5	0	5	4	0	4
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	147	0	48	134	2	45	129	1	31	118	1	33	119	2	32

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	1	0	0	0	0	0	1	0	1
16 - 20	5	0	2	4	0	1	3	0	2	6	1	3	4	0	3
21 - 24	5	0	2	5	0	3	6	1	1	3	0	1	4	1	1
25 - 64	19	0	7	26	2	12	15	1	9	29	1	15	27	2	11
65 +	7	1	3	1	0	0	1	1	0	2	1	1	5	0	2
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	36	1	14	36	2	16	26	3	12	40	3	20	41	3	18

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

5-Year Trend Driver Seatbelt Not Used

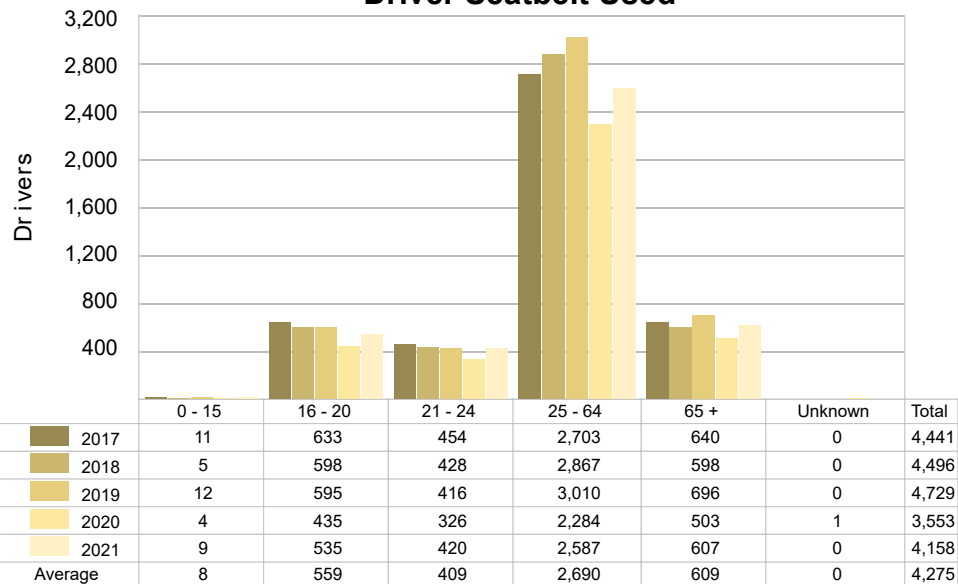


5-Year Trend - Seatbelt Used Among Drivers by Age

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	11	0	4	5	0	0	12	0	1	4	0	1	9	0	0
16 - 20	633	0	71	598	0	66	595	0	82	435	0	46	535	0	38
21 - 24	454	0	47	428	0	40	416	0	40	326	0	34	420	0	47
25 - 64	2,703	0	294	2,867	2	314	3,010	3	354	2,284	0	266	2,587	0	255
65 +	640	0	76	598	0	69	696	0	94	503	1	70	607	2	88
Unknown	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Total	4,441	0	492	4,496	2	489	4,729	3	571	3,553	1	417	4,158	2	428

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	2,504	5	2,519	6	2,714	4	2,133	5	2,446	9
Speed Too Fast	384	0	430	4	346	1	227	0	277	2
Speed Too Slow	3	0	5	0	1	0	3	0	3	0
Failed to Yield	454	2	503	2	508	3	405	2	464	2
Disregard Traffic Control	121	0	106	0	116	0	106	0	118	1
Drove Wrong Way	3	0	5	0	0	0	2	1	3	0
Drove Left of Center	16	0	16	0	13	0	19	0	16	0
Improper Passing	24	0	17	0	19	0	16	0	26	0
Improper Lane Use	99	0	118	0	115	0	91	1	107	0
Improper Turn	52	0	50	0	56	0	35	0	63	0
Improper/No Signal	4	0	4	0	3	0	4	0	2	0
Improper Backing	107	0	114	0	123	0	91	0	102	0
Unable to Stop in Assured Clear Distance	569	0	541	1	598	0	370	1	477	0
Other	156	0	163	0	214	2	156	1	181	2
Unknown	181	0	182	3	192	1	176	1	231	3
Reckless Driving	32	1	14	1	17	1	29	0	16	0
Careless/Negligent Driving	220	0	184	0	228	0	194	3	218	1
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0
Total	4,929	8	4,971	17	5,263	12	4,057	15	4,750	20

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

