



A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY

2021

Statewide Traffic Crash Data

Year End Report



This 2021 year-end report contains statewide traffic crash statistics compiled by the Michigan State Police, Criminal Justice Information Center.

Section 1

Introduction

The Traffic Crash Reporting System	Page 3
Traffic Crash Reporting Flowchart	Page 4

Section 2

Statewide Crash Totals

Statewide Crash Summary	Page 5
Crash Totals for Month and Day of Week	Page 6
Crash Totals for Time of Day	Page 7
Traffic Crash Fatality and Injury Statistics	Page 8
Crash Type	Page 10
Hazardous Action	Page 11
Trafficway	Page 12
Roadway Surface Condition	Page 12
Vehicle Type	Page 13
Crash Statistics by County	Page 14

Section 3

Reports by Crash Indicators

2021 Alcohol Involved Crashes	Page 17
2021 Drug Involved Crashes	Page 21
2021 Distracted Driver Involved Crashes	Page 25
2021 Bicycle Involved Crashes	Page 30
2021 Pedestrian Involved Crashes	Page 34
2021 Motorcycle Involved Crashes	Page 38
2021 Off Road Vehicle (ORV) Involved Crashes	Page 42
2021 Snowmobile Involved Crashes	Page 46
2021 Deer Involved Crashes	Page 49
2021 Truck / Bus Involved Crashes	Page 53
2021 School Bus Involved Crashes	Page 57
2021 Train Involved Crashes	Page 60
2021 Work Zone Involved Crashes	Page 62
2021 Police-Ambulance-Fire Involved Crashes	Page 66
2021 Fleeing Police Involved Crashes	Page 70
2021 Farm Equipment Involved Crashes	Page 73

Section 4

Additional Crash Publications

Michigan Traffic Crash Decade – At – A – Glance	Page 76
Michigan Holiday Traffic Crash Fatalities	Page 78

Section 5

Appendices

UD-10 Traffic Crash Report Images	Page 87
UD-10 Traffic Crash Report User Guide	Page 89
Fatality Analysis Reporting System (FARS)	Page 93
Injury Code Index	Page 95
The Michigan Motor Vehicle Code	Page 96
Glossary	Page 99



Section 1:

The Traffic Crash Reporting System (TCRS)

Traffic Crash Reporting – Collection of Crash Data

The Traffic Crash Reporting Unit (TCRU) is responsible for the complete, accurate, and timely collection, processing, and compilations of statewide traffic crash data. The TCRU maintains the TCRS database that serves as the central repository for all traffic crash data for the State of Michigan as well as the Michigan Crash Analysis Tool (Mi-CAT). By law, all law enforcement agencies are required to submit qualifying crash reports to the Michigan State Police (MSP).

The crash program has been in existence since Public Act 300 of 1949. All law enforcement agencies in Michigan submit crash data to the MSP Criminal Justice Information Center (CJIC) on State of Michigan Traffic Crash Reports (UD-10).

The TCRU receives and processes approximately 315,000 crashes annually. The data collected from the crash reports is used extensively by federal, state, and local traffic safety partners to identify traffic safety problems and support the state's efforts to reduce crashes, fatalities, and injuries. Traffic crash data is geo located using the Traffic Crash Mapping System (TCMS) and is supplied to the Michigan Department of Transportation (MDOT) for analysis of high crash locations. The Michigan Department of Natural Resources (MDNR) also receives data for analysis of snowmobile, off-road vehicle (ORV), and car/deer crashes.

Traffic crash reports are processed and sent to the Michigan Department of State (MDOS) to be applied to individual driving records. Fatal records are maintained on both the state system and the federal Fatality Analysis Reporting System (FARS) which is supported by the National Highway Traffic Safety Administration (NHTSA).

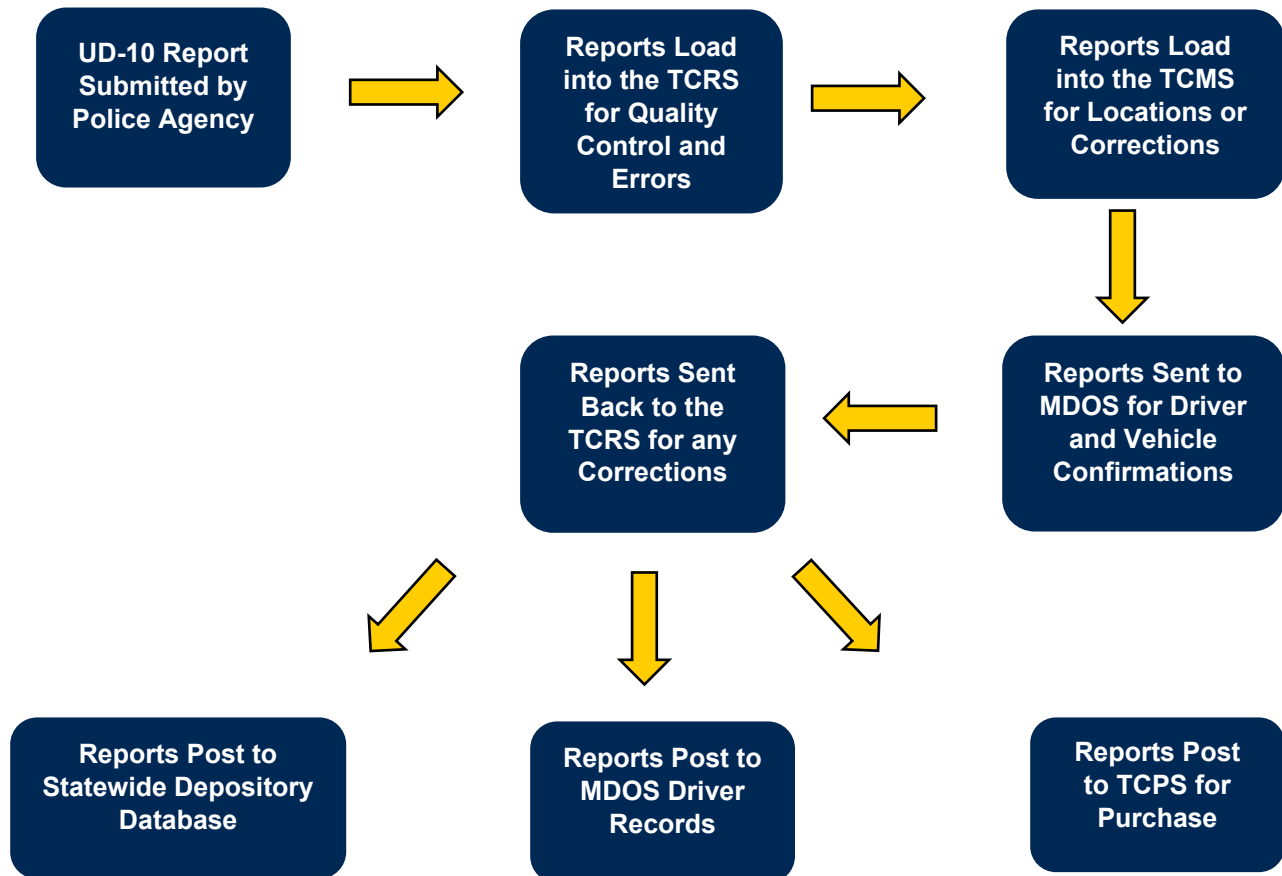
The UD-10 is used to report all traffic related motor vehicle crashes. The criteria for a reportable traffic crash involves a motor vehicle that was in transport and on the roadway, which resulted in death, injury, or property damage of \$1,000 or more. The UD-10 is also used to record any crash involving a snowmobile or ORV, whether traffic or non-traffic related. The property damage criteria for a snowmobile or ORV crash is \$100 or more.

Exclusions include deliberate intent (i.e., self-inflicted injury, road rage, insurance fraud) or legal intervention (i.e., pit-maneuver, deliberate acts engaged by law enforcement).

Individual UD-10s can be accessed by involved parties and their representatives through the Traffic Crash Purchasing System (TCPS) website. Specific search criteria are required to purchase a copy of a UD-10.

Each year, the TCRS database is "frozen" on a specific date to allow for publishing of the annual traffic crash statistics. This frozen dataset was created on April 28, 2022, for the 2021 annual report. Questions regarding this report can be directed to the TCRU at CrashTCRS@michigan.gov.

Section 1: UD-10 Reporting Flow Chart



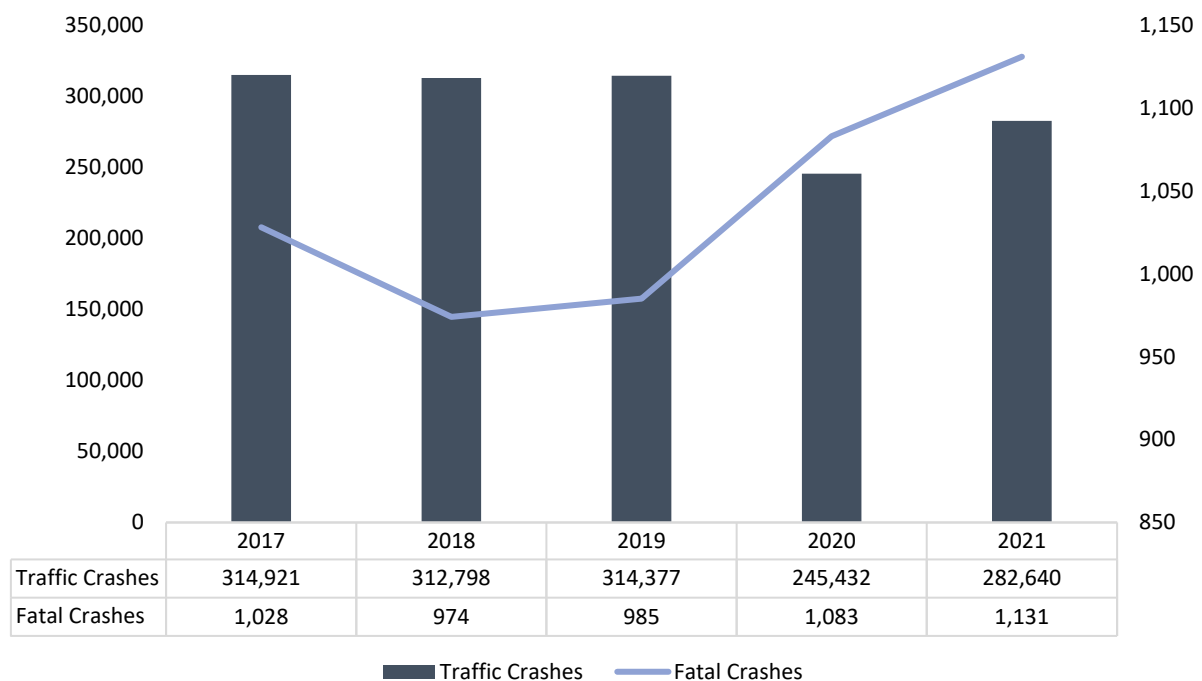
Section 2: Statewide Crash Summary

2021 Summary:

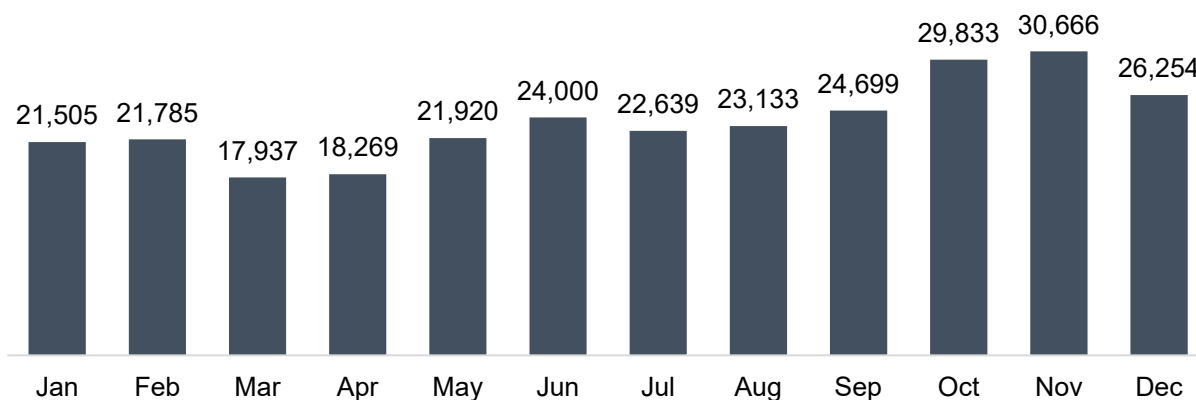
- Traffic crashes increased 15 percent from 245,432 in 2020 to 282,640 in 2021 in Michigan.
- Fatalities increased four percent from 1,083 in 2020 to 1,131 in 2021.
- Injury crashes increased 16 percent from 44,417 in 2020 to 51,666 in 2021.
- The majority of traffic crashes occurred in November with 30,666 crashes.
- August had the largest number of fatal crashes with 124 reported crashes.
- The majority of traffic crashes occurred on Fridays with 46,614 crashes.
- Saturdays and Sundays had the largest number of fatalities reported.
- Most of the traffic crashes occurred between 3 p.m.-5:59 p.m.

Michigan Traffic Crash Statistics for 2017-2021

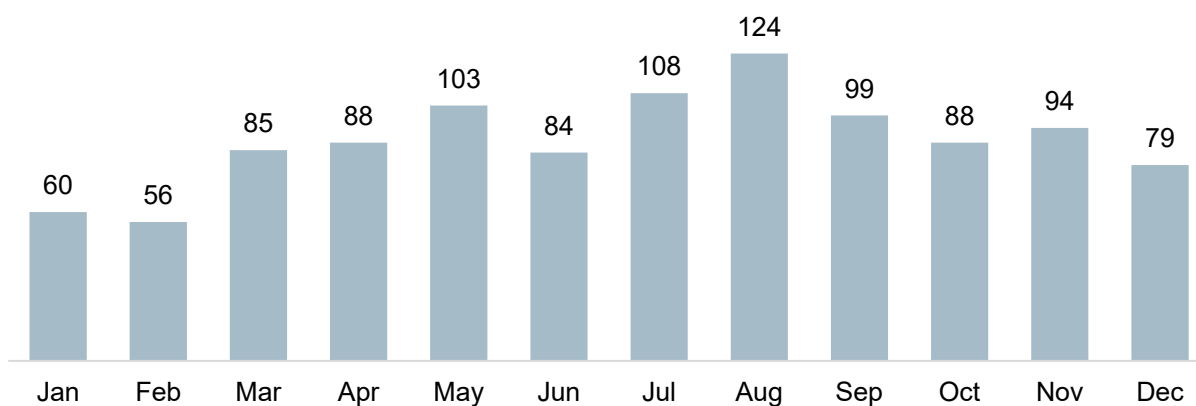
	2017	2018	2019	2020	2021
Total Crashes	314,921	312,798	314,377	245,432	282,640
Total Fatal Crashes	937	905	902	1,010	1,068
Total Fatalities	1,028	974	985	1,083	1,131
Total Injury Crashes	57,263	55,340	54,539	44,417	51,666
Total Injuries	78,394	75,838	74,963	60,986	71,246
Total Property Damage Crashes	256,721	256,553	258,936	200,005	229,906



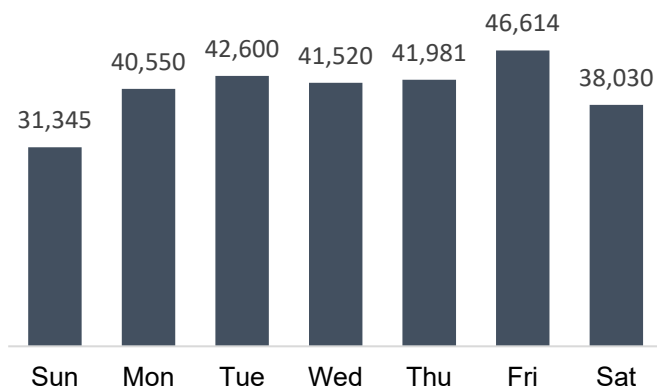
Traffic Crashes by Month



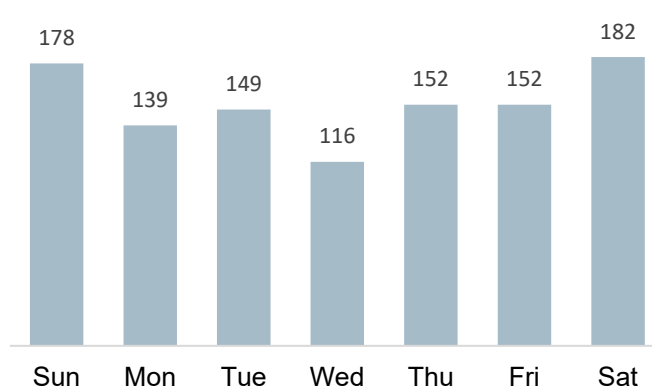
Fatal Traffic Crashes by Month



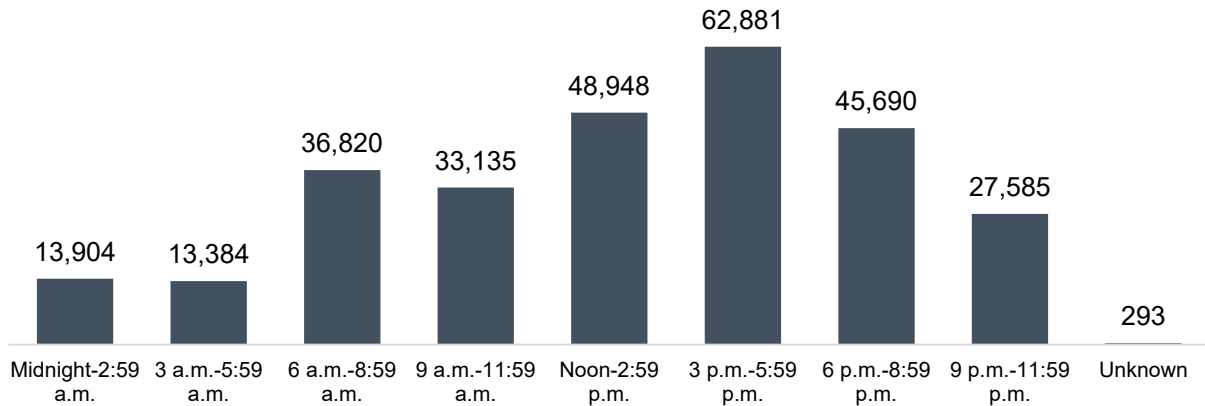
Traffic Crashes by Day of Week



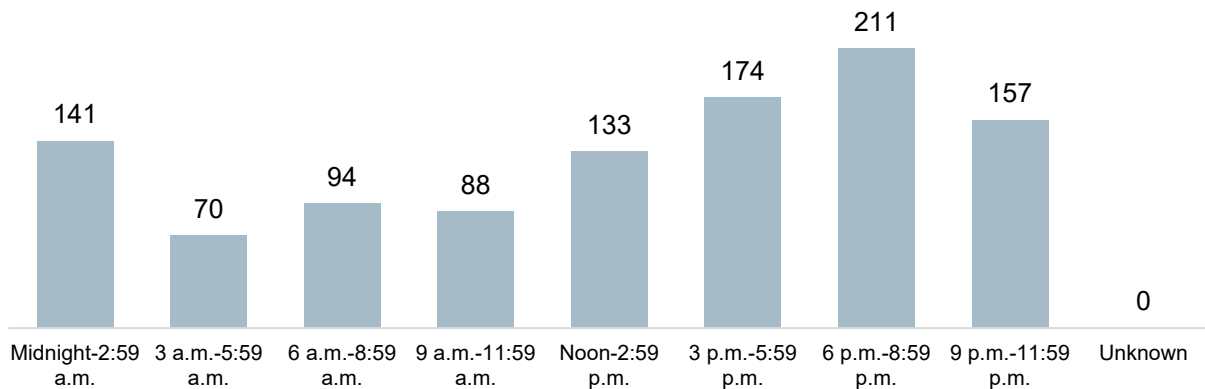
Fatal Traffic Crashes by Day of Week



Crashes by Time of Day



Fatal Crashes by Time of Day



Traffic Crash Fatality and Injury Statistics

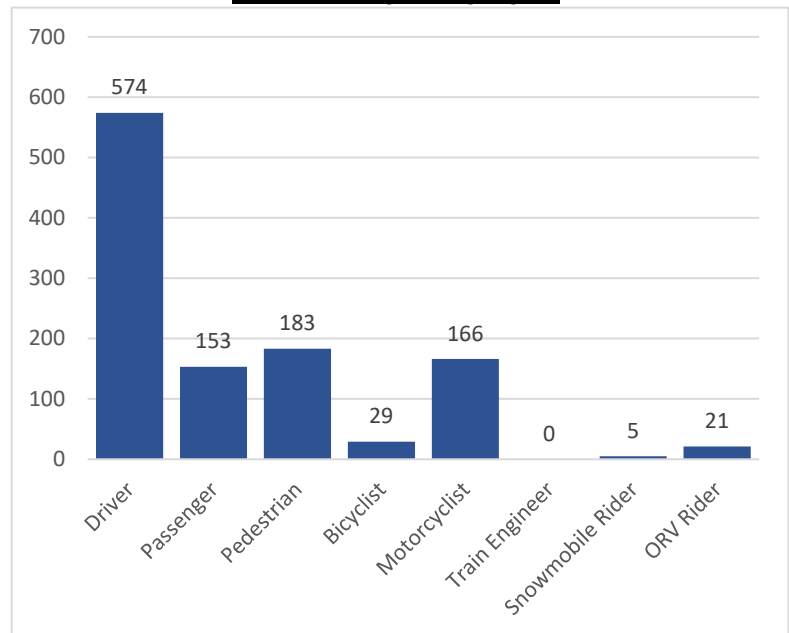
2021 Fatality Summary:

- 1,131 traffic crash fatalities were reported in Michigan.
- 71.9% were male and 28.1% were female.
- 19.8% of fatalities were in age group 25-34.
- 50.8% of fatalities were reported as the driver.

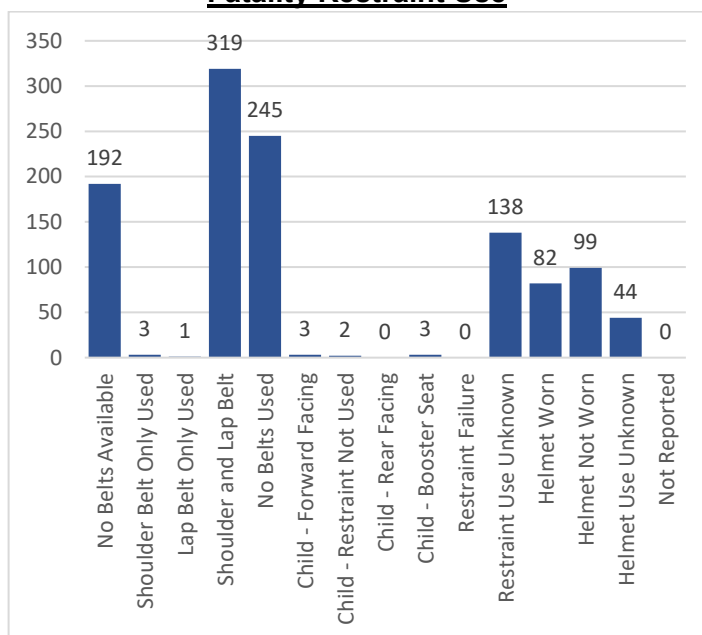
Fatalities by Age and Sex

Age Range	Total	Male	Female
< 1	1	0	1
1-3	3	1	2
4-10	15	8	7
11-15	12	9	3
16-20	100	58	42
21-24	88	62	26
25-34	224	173	51
35-44	183	130	53
45-54	159	124	35
55-64	145	109	36
65-74	104	72	32
75-84	72	51	21
85-94	22	15	7
> 95	3	1	2
Not Reported	0	0	0
Total:	1,131	813	318
Percentage:		71.9%	28.1%

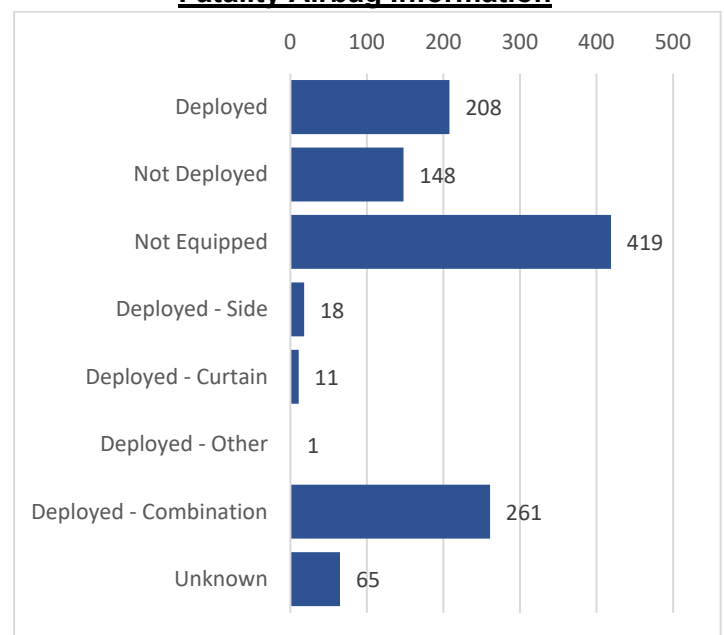
Fatalities by Party Type



Fatality Restraint Use



Fatality Airbag Information



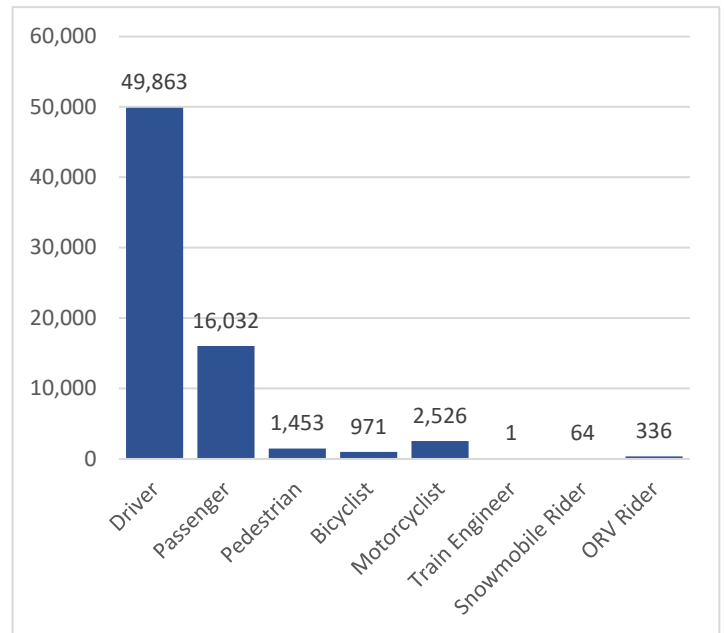
2021 Injury Summary:

- 71,246 traffic crash injuries were reported in Michigan.
- 48.86% were male and 51.11% were female.
- 20.6% of injuries were in age group 25-34.
- 70% of injuries were reported as the driver.

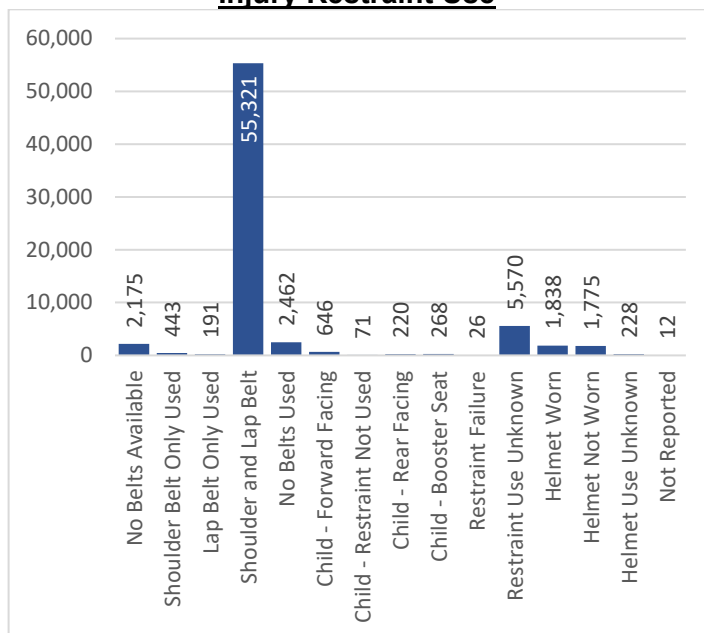
Injuries by Age and Sex

Age Range	Total	Male	Female	Unknown
< 1	187	82	104	1
1-3	565	276	289	0
4-10	1,923	984	939	0
11-15	1,909	945	963	1
16-20	8,631	4,034	4,595	2
21-24	7,362	3,539	3,822	1
25-34	14,645	7,207	7,438	0
35-44	10,186	5,136	5,049	1
45-54	8,990	4,442	4,548	0
55-64	8,309	4,129	4,180	0
65-74	5,377	2,602	2,775	0
75-84	2,459	1,100	1,359	0
85-94	629	298	331	0
> 95	36	19	17	0
Not Reported	38	16	8	14
Total:	71,246	34,809	36,417	20
Percentage:		48.86%	51.11%	.03%

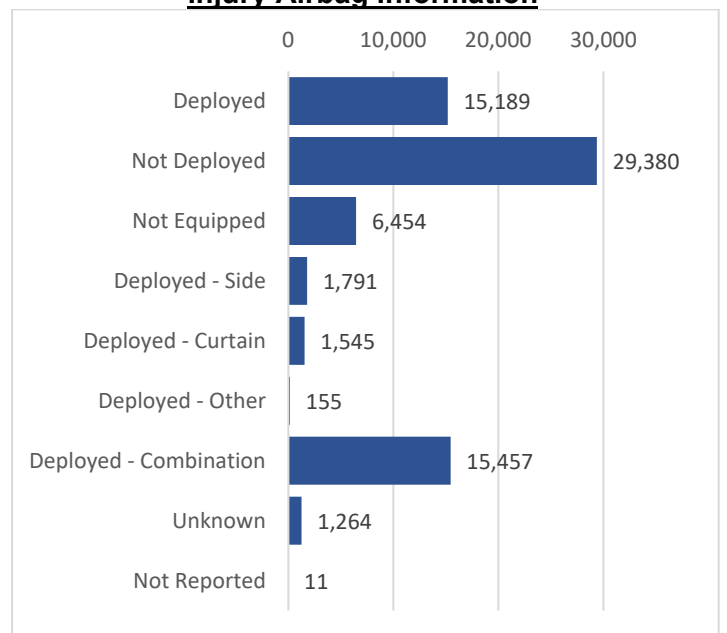
Injuries by Party Type



Injury Restraint Use



Injury Airbag Information

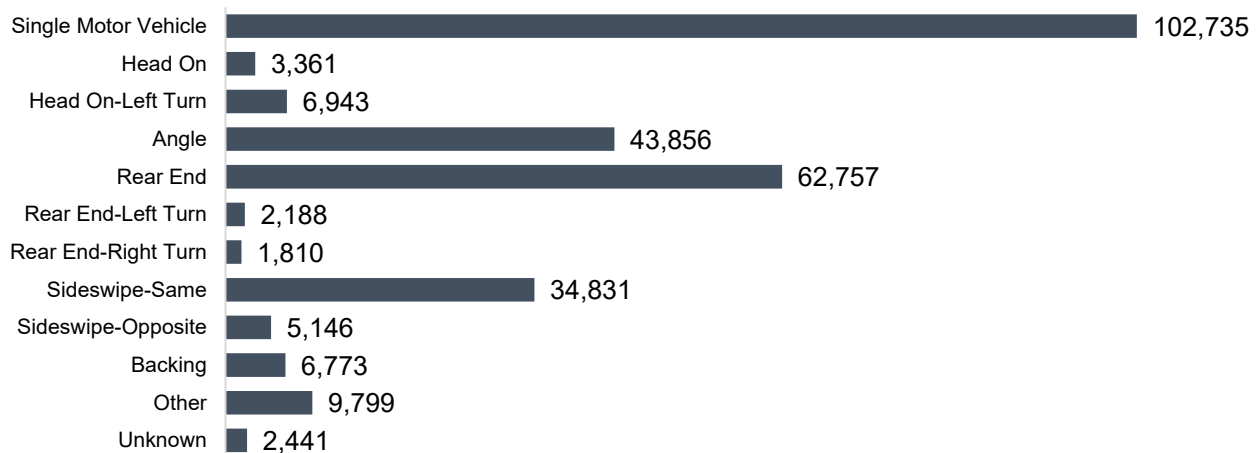


Crash Type

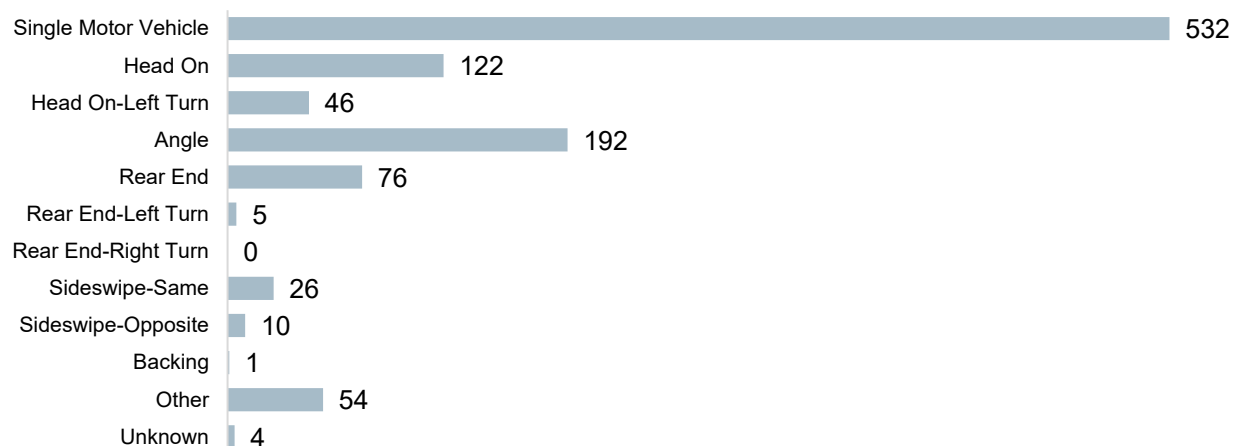
Description: The crash type describes how the vehicles involved in the crash contacted the other unit(s). For multiple impact crashes, only the first crash type is recorded.

Note: Crash Type is based on the direction of travel prior to impact, regardless of the point(s) of impact or direction the vehicles ultimately face after the crash. Damaged area on the vehicle alone does not determine the crash type.

Traffic Crashes by Crash Type



Fatal Traffic Crashes by Crash Type



Hazardous Action

Description: The Hazardous Action field indicates if, in the investigating officer's opinion, a person is "At Fault" in any way, i.e., did the person's actions contribute to the crash? The officer is instructed to choose the most significant Hazardous Action that applies. If a Hazardous Action does not exist, NONE can be selected. Crashes involving more than one driver can result in multiple Hazardous Actions reported. The totals listed below are counting reported Hazardous Actions for the drivers and not total crashes.

Note: Since Hazardous Action and Citation Issued are completely independent of each other, an entry can be made for Hazardous Action even if no tickets were issued or no physical arrest was made. Citation Issued is used to record what tickets were issued to the driver and Hazardous Action is used to record the driver's actions that contributed to or caused the crash.

Hazardous Action Reported for Traffic Crashes

Hazardous Action	Total
None	242,377
Speed Too Fast	24,721
Speed Too Slow	148
Failed to Yield	43,048
Disregard Traffic Control	11,081
Drove Wrong Way	421
Drove Left of Center	2,457
Improper Passing	2,988
Improper Lane Use	13,211
Improper Turn	5,125
Improper / No Signal	383
Improper Backing	6,309
Unable to Stop	56,146
Other	15,305
Unknown	32,816
Reckless Driving	2,692
Careless Driving	10,977
Not Reported	5,980
Total:	476,185

Hazardous Action Reported for Fatal Traffic Crashes

Hazardous Action	Total
None	641
Speed Too Fast	215
Speed Too Slow	1
Failed to Yield	116
Disregard Traffic Control	63
Drove Wrong Way	7
Drove Left of Center	53
Improper Passing	12
Improper Lane Use	19
Improper Turn	5
Improper / No Signal	1
Improper Backing	1
Unable to Stop	50
Other	91
Unknown	224
Reckless Driving	103
Careless Driving	83
Not Reported	6
Total:	1,691

Both charts include driver and engineer (train) party types for Hazardous Action. The Hazardous Action reported for Fatal Traffic Crashes chart includes totals for drivers and engineers (trains) involved in a fatal crash.

Trafficway

Description: The trafficway is used to indicate if a roadway is divided and whether it serves one-way or two-way traffic.

Crash Totals by Trafficway

Road Condition	Crashes
Interstate Route	23,388
US Route	21,962
M Route	57,471
Interstate Business Loop	3,628
US Business Route	2,369
M Business Route	64
Connector	552
Road, City Street or Unknown	172,688
Not Reported	518
Total:	282,640

Fatal Crash Totals by Trafficway

Road Condition	Crashes
Interstate Route	89
US Route	80
M Route	245
Interstate Business Loop	9
US Business Route	5
M Business Route	0
Connector	2
Road, City Street or Unknown	634
Not Reported	4
Total:	1,068

Road Surface Condition

Description: Even though several road surface conditions can exist simultaneously in Michigan, the single most significant road surface condition that describes the crash scene is selected.

Crash Totals by Road Surface Condition

Road Condition	Crashes
Dry	206,216
Wet	41,433
Ice	10,050
Snow	15,518
Mud, Dirt, Gravel	2,289
Slush	2,509
Debris	86
Water (Standing/Moving)	316
Sand	34
Oily	38
Other	70
Unknown	4,080
Not Reported	1
Total:	282,640

Fatal Crash Totals by Road Surface Condition

Road Condition	Crashes
Dry	847
Wet	138
Ice	20
Snow	23
Mud, Dirt, Gravel	25
Slush	4
Debris	0
Water (Standing/Moving)	3
Sand	0
Oily	0
Other	0
Unknown	8
Not Reported	0
Total:	1,068

Vehicle Type

Description: The type of vehicle involved in the crash is captured for each applicable unit. A Truck/Bus unit is defined as any of the following:

- A commercial truck or truck/trailer having a Gross Vehicle Weight Rating (GVWR) or Gross Combined Weight Rating (GCWR) of 10,001 pounds or more, whichever is greater.
- Any vehicle designed or used to transport more than eight passengers including the driver. This can include city buses, school buses, limousines, and courtesy vans.
- Any vehicle displaying or requiring a hazardous material (HM) placard, regardless of weight. This can include automobiles, sport utility vehicles (SUV), vans, and pick-up trucks.

Vehicle Type Involved in Traffic Crashes

Vehicle Type	Total
Passenger Car, SUV, Van	381,041
Motor Home	1,044
Pickup Truck	57,120
Small Truck – Under 10,000	2,090
Motorcycle	3,271
Moped / Goped	482
Go-Cart / Golf Cart	41
Snowmobile	102
ORV	452
Truck / Bus	14,972
Other	1,650
Not Reported	17,071
Total:	479,336

Truck / Bus – Vehicle Configurations Involved in Traffic Crashes

Vehicle Configuration	Total
Passenger Car (HM)	2
Light Truck (HM)	14
Bus 9-15	244
Bus 16+	1,129
Single-Unit 2 Axles	4,369
Singe-Unit 3+ Axles	1,241
Truck / Trailer	1,489
Truck Tractor (Bobtail)	225
Tractor / Semi-Trailer	4,810
Tractor / Doubles	451
Tractor / Triples	0
Unknown Heavy Truck	998
Total:	14,972

Vehicle Type Involved in Fatal Traffic Crashes

Vehicle Type	Total
Passenger Car, SUV, Van	1,108
Motor Home	1
Pickup Truck	235
Small Truck – Under 10,000	3
Motorcycle	171
Moped / Goped	7
Go-Cart / Golf Cart	0
Snowmobile	5
ORV	21
Truck / Bus	103
Other	17
Not Reported	243
Total:	1,914

Truck / Bus – Vehicle Configurations Involved in Fatal Crashes

Vehicle Configuration	Total
Passenger Car (HM)	0
Light Truck (HM)	0
Bus 9-15	3
Bus 16+	5
Single-Unit 2 Axles	23
Singe-Unit 3+ Axles	13
Truck / Trailer	5
Truck Tractor (Bobtail)	3
Tractor / Semi-Trailer	48
Tractor / Doubles	3
Tractor / Triples	0
Unknown Heavy Truck	0
Total:	103

Total Crashes by County

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Alcona County	496	0	0	43	54	453
Alger County	233	2	2	29	43	202
Allegan County	3,900	14	14	540	734	3,346
Alpena County	820	1	1	167	216	652
Antrim County	805	2	2	90	123	713
Arenac County	711	4	4	90	129	617
Baraga County	270	2	2	26	39	242
Barry County	1,525	6	6	209	304	1,310
Bay County	2,938	13	13	504	672	2,421
Benzie County	566	0	0	79	103	487
Berrien County	4,385	24	25	789	1,093	3,572
Branch County	1,704	8	8	230	305	1,466
Calhoun County	4,512	20	21	602	800	3,890
Cass County	1,625	16	17	219	315	1,390
Charlevoix County	962	4	4	90	120	868
Cheboygan County	1,051	3	3	113	151	935
Chippewa County	781	3	3	118	153	660
Clare County	991	2	2	120	159	869
Clinton County	2,201	4	4	265	364	1,932
Crawford County	561	0	0	85	118	476
Delta County	1,075	4	5	140	180	931
Dickinson County	873	6	7	98	137	769
Eaton County	2,787	12	14	470	626	2,305
Emmet County	1,237	3	3	161	199	1,073
Genesee County	10,601	59	60	2,301	3,233	8,241
Gladwin County	710	2	2	80	100	628
Gogebic County	225	0	0	39	57	186
Grand Traverse County	3,275	15	16	460	637	2,800
Gratiot County	1,606	5	5	158	215	1,443
Hillsdale County	1,737	9	11	204	290	1,524
Houghton County	885	7	7	129	173	749
Huron County	1,395	6	6	162	220	1,227
Ingham County	7,887	30	32	1,603	2,230	6,254
Ionia County	1,740	12	13	270	359	1,458
Iosco County	610	4	5	125	171	481
Iron County	479	2	2	34	45	443

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Isabella County	2,381	8	8	275	412	2,098
Jackson County	5,239	21	21	725	968	4,493
Kalamazoo County	8,236	38	39	1,490	2,023	6,708
Kalkaska County	681	2	2	112	156	567
Kent County	20,091	61	66	3,944	5,332	16,086
Keweenaw County	67	0	0	11	14	56
Lake County	309	0	0	37	49	272
Lapeer County	2,841	16	16	415	565	2,410
Leelanau County	588	1	1	73	111	514
Lenawee County	2,385	19	20	458	637	1,908
Livingston County	4,389	12	12	658	878	3,719
Luce County	126	2	2	19	26	105
Mackinac County	496	1	1	56	75	439
Macomb County	21,871	57	59	4,619	6,328	17,195
Manistee County	915	3	3	105	124	807
Marquette County	1,544	6	7	212	286	1,326
Mason County	1,193	4	6	110	156	1,079
Mecosta County	1,765	5	5	220	308	1,540
Menominee County	308	2	2	73	98	233
Midland County	2,353	8	10	316	424	2,029
Missaukee County	602	1	1	55	70	546
Monroe County	3,553	19	21	714	992	2,820
Montcalm County	1,877	13	13	297	416	1,567
Montmorency County	341	0	0	40	59	301
Muskegon County	4,673	17	19	840	1,114	3,816
Newaygo County	1,460	6	6	223	317	1,231
Oakland County	32,038	64	66	6,220	8,535	25,754
Oceana County	957	2	2	111	156	844
Ogemaw County	791	7	7	104	140	680
Ontonagon County	284	2	2	42	60	240
Osceola County	1,039	1	1	131	186	907
Oscoda County	209	2	2	28	41	179
Otsego County	863	4	5	126	179	733
Ottawa County	7,651	27	29	1,293	1,752	6,331
Presque Isle County	549	3	3	34	41	512
Roscommon County	696	7	8	125	191	564
Saginaw County	5,428	18	18	1,017	1,467	4,393
Sanilac County	1,541	11	11	126	185	1,404

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Schoolcraft County	344	2	2	39	56	303
Shiawassee County	2,106	5	6	283	381	1,818
St. Clair County	3,626	17	19	623	861	2,986
St. Joseph County	1,702	9	9	296	387	1,397
Tuscola County	1,723	8	9	213	316	1,502
Van Buren County	2,219	16	17	371	516	1,832
Washtenaw County	8,664	28	30	1,519	2,065	7,117
Wayne County	50,490	202	219	11,830	16,662	38,458
Wexford County	1,277	7	7	196	264	1,074
Total:	282,640	1,068	1,131	51,666	71,246	229,906

Section 3: Reports by Crash Indicators

2021 Alcohol Involved Crashes

Description: The UD-10 captures alcohol information for all drivers, pedestrians, bicyclists, and train engineers. Law enforcement officials document if alcohol is suspected and if it was a contributing factor to the crash. They will also document the test type, test results, and interlock system, if applicable.

2021 Summary:

- Alcohol involved fatalities increased 10 percent, from 326 in 2020 to 357 in 2021.
- October had the highest number of alcohol involved crashes with 970 total crashes.
- Saturdays and Sundays had the highest number of alcohol involved crashes.
- The majority of alcohol involved crashes occurred between 9 p.m. and 2:59 a.m.

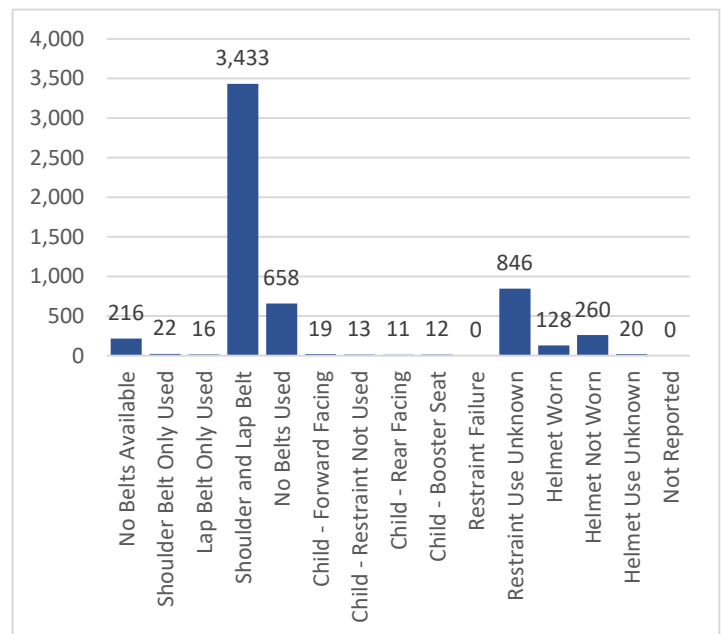
Alcohol Involved Traffic Crash Statistics for 2017-2021

	2017	2018	2019	2020	2021
Total Alcohol Involved Crashes	10,265	9,786	9,787	9,078	9,557
Total Alcohol Involved Fatal Crashes	320	287	226	303	336
Total Alcohol Involved Fatalities	359	315	295	326	357

Age and Sex for Alcohol Involved Crashes

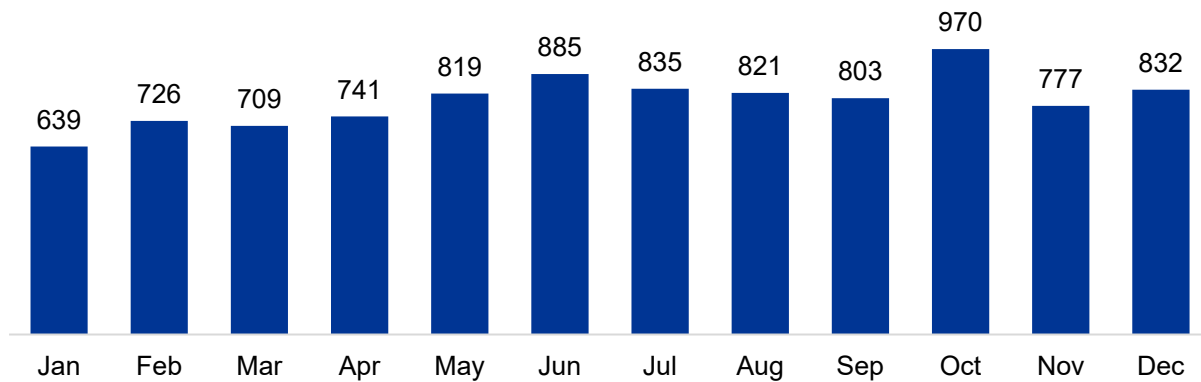
Age Range	Male	Female	Unknown
< 1	27	26	0
1-3	85	76	0
4-10	189	149	0
11-15	122	95	0
16-20	754	513	1
21-24	1,293	786	1
25-34	2,956	1,622	1
35-44	2,053	1,031	0
45-54	1,489	708	0
55-64	1,160	494	3
65-74	445	185	1
75-84	103	63	0
85-94	7	7	0
> 95	3	1	0
Not Reported	43	27	1,132
Total:	10,729	5,783	1,139
Percentage:	60.8%	32.8%	6.4%

Restraint Use for Alcohol Involved Crashes

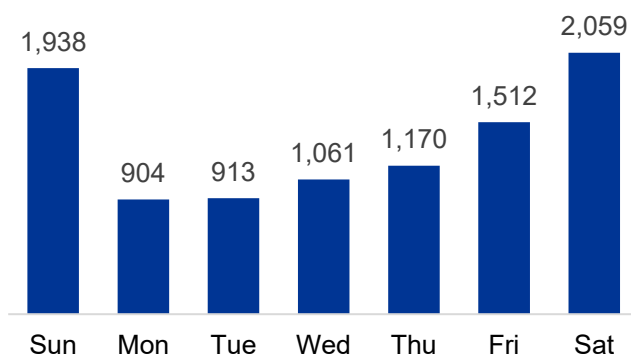


Both charts include all party types involved in an alcohol involved crash (driver, passenger, pedestrian, bicyclist or engineer (train)). Only fatal and injured persons are included in the restraint use statistics.

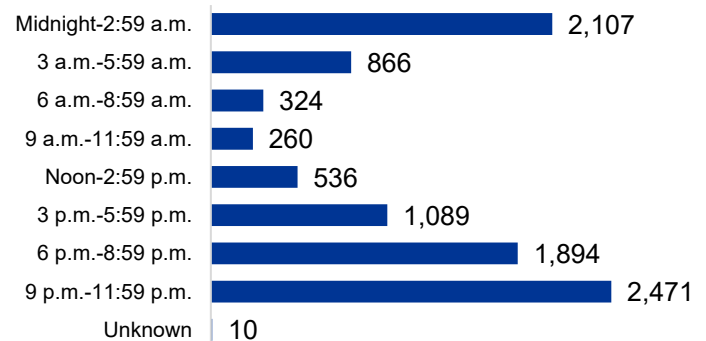
Alcohol Involved Traffic Crashes by Month



Alcohol Involved Traffic Crashes by Day of Week



Alcohol Involved Traffic Crashes by Time of Day



Alcohol Involved Crashes by County

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Alcona County	10	0	0	7	9	3
Alger County	7	0	0	3	8	4
Allegan County	154	7	7	56	71	91
Alpena County	30	0	0	16	18	14
Antrim County	21	0	0	6	7	15
Arenac County	32	2	2	18	26	12
Baraga County	10	1	1	5	8	4
Barry County	59	0	0	21	32	38
Bay County	123	4	4	43	55	76
Benzie County	33	0	0	11	15	22
Berrien County	174	5	5	72	96	97

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Branch County	27	1	1	12	14	14
Calhoun County	160	7	7	62	84	91
Cass County	72	6	6	25	35	41
Charlevoix County	30	0	0	16	18	14
Cheboygan County	32	0	0	12	14	20
Chippewa County	26	0	0	11	15	15
Clare County	27	1	1	15	18	11
Clinton County	51	0	0	21	26	30
Crawford County	25	0	0	10	13	15
Delta County	45	2	2	17	20	26
Dickinson County	21	1	1	7	7	13
Eaton County	93	2	2	39	51	52
Emmet County	47	1	1	18	21	28
Genesee County	365	23	24	163	254	179
Gladwin County	33	1	1	18	20	14
Gogebic County	22	0	0	8	11	14
Grand Traverse County	119	5	5	35	44	79
Gratiot County	26	0	0	13	17	13
Hillsdale County	42	2	2	22	31	18
Houghton County	31	1	1	8	12	22
Huron County	36	2	2	17	22	17
Ingham County	256	9	10	115	157	132
Ionia County	57	5	5	26	35	26
Iosco County	29	0	0	16	17	13
Iron County	16	0	0	6	12	10
Isabella County	64	5	5	18	26	41
Jackson County	194	5	5	71	97	118
Kalamazoo County	279	11	12	115	148	153
Kalkaska County	25	2	2	12	17	11
Kent County	786	23	26	289	384	474
Keweenaw County	3	0	0	1	1	2
Lake County	9	0	0	3	4	6
Lapeer County	89	6	6	34	51	49
Leelanau County	31	1	1	7	7	23
Lenawee County	110	7	7	47	66	56
Livingston County	181	4	4	70	88	107
Luce County	6	1	1	3	5	2
Mackinac County	16	0	0	9	11	7

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Macomb County	610	22	22	221	317	367
Manistee County	31	2	2	16	20	13
Marquette County	67	3	4	22	31	42
Mason County	31	3	4	10	16	18
Mecosta County	48	2	2	18	22	28
Menominee County	30	1	1	13	15	16
Midland County	70	5	6	29	41	36
Missaukee County	18	0	0	12	16	6
Monroe County	237	8	9	100	119	129
Montcalm County	66	5	5	33	48	28
Montmorency County	16	0	0	5	7	11
Muskegon County	172	5	5	68	85	99
Newaygo County	68	3	3	33	40	32
Oakland County	944	19	20	357	497	568
Oceana County	43	0	0	22	31	21
Ogemaw County	21	0	0	5	5	16
Ontonagon County	13	2	2	5	7	6
Osceola County	35	0	0	15	23	20
Oscoda County	8	1	1	5	7	2
Otsego County	29	2	2	12	15	15
Ottawa County	283	6	6	107	135	170
Presque Isle County	16	2	2	6	6	8
Roscommon County	25	3	4	11	20	11
Saginaw County	219	4	4	92	125	123
Sanilac County	33	4	4	12	21	17
Schoolcraft County	12	0	0	6	7	6
Shiawassee County	79	2	3	28	32	49
St. Clair County	140	5	6	55	77	80
St. Joseph County	67	4	4	26	31	37
Tuscola County	86	3	4	36	44	47
Van Buren County	93	7	7	40	45	46
Washtenaw County	291	13	13	118	156	160
Wayne County	1,491	46	52	632	995	813
Wexford County	31	1	1	13	23	17
Total:	9,557	336	357	3,832	5,297	5,389

2021 Drug Involved Crashes

Description: The UD-10 captures drug information for all drivers, pedestrians, bicyclists, and train engineers. Law Enforcement Officials document if drugs are suspected and if they were a contributing factor to the crash. They will also document the test type and test result if administered in response to the crash.

2021 Summary:

- Drug involved fatalities increased 3 percent, from 267 in 2020 to 275 in 2021.
- May had the highest number of drug involved crashes with 305 total crashes.
- Fridays, Saturdays, and Sundays had the highest number of drug involved crashes.
- The majority of drug involved crashes occurred between 9 p.m. and 11:59 p.m.

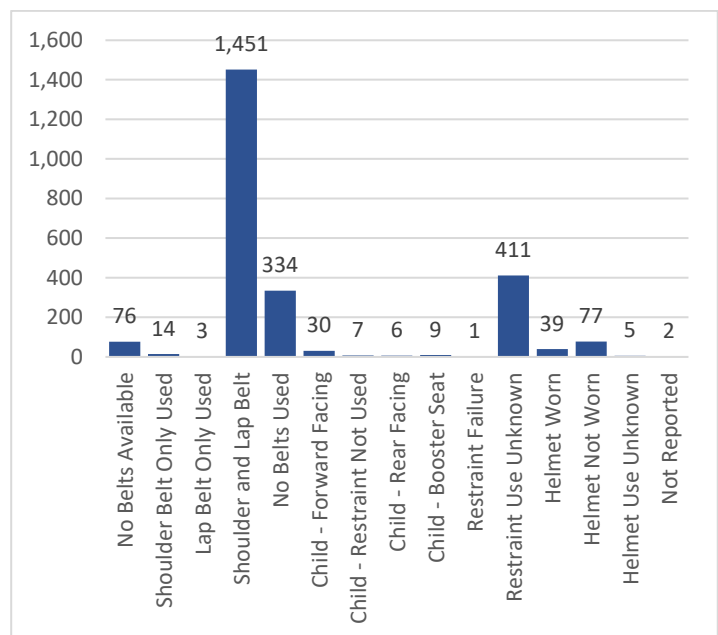
Drug Involved Traffic Crash Statistics for 2017-2021

	2017	2018	2019	2020	2021
Total Drug Involved Crashes	2,880	2,636	2,598	3,040	2,999
Total Drug Involved Fatal Crashes	221	220	214	250	259
Total Drug Involved Fatalities	246	247	237	267	275

Age and Sex for Drug Involved Crashes

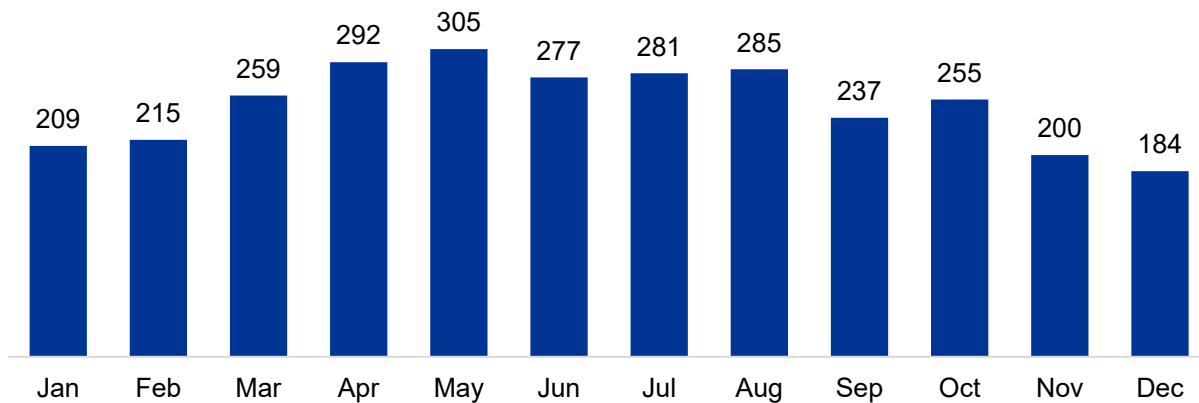
Age Range	Male	Female	Unknown
< 1	7	9	0
1-3	40	45	0
4-10	89	76	0
11-15	47	49	0
16-20	348	197	0
21-24	412	215	0
25-34	1,035	557	0
35-44	720	364	0
45-54	382	207	0
55-64	317	184	1
65-74	129	86	0
75-84	38	22	1
85-94	6	5	0
> 95	2	1	0
Not Reported	8	4	287
Total:	3,580	2,021	289
Percentage:	60.78%	34.31%	4.91%

Restraint Use for Drug Involved Crashes

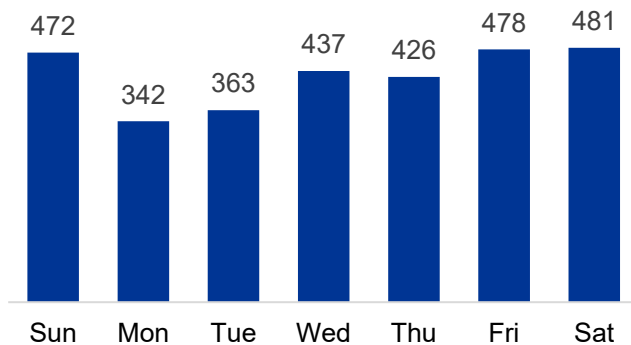


Both charts include all party types involved in a drug involved crash (driver, passenger, pedestrian, bicyclist or engineer (train)). Only fatal and injured persons are included in the restraint use statistics.

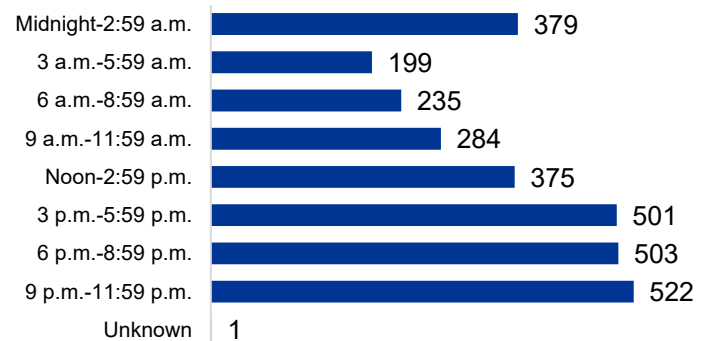
Drug Involved Traffic Crashes by Month



Drug Involved Traffic Crashes by Day of Week



Drug Involved Traffic Crashes by Time of Day



Drug Involved Crashes by County

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Alcona County	3	0	0	2	3	1
Alger County	1	0	0	0	0	1
Allegan County	30	6	6	10	18	14
Alpena County	12	1	1	7	8	4
Antrim County	6	0	0	2	3	4
Arenac County	20	2	2	10	17	8
Baraga County	5	1	1	4	9	0
Barry County	16	3	3	10	14	3
Bay County	20	1	1	8	11	11
Benzie County	8	0	0	3	4	5
Berrien County	50	6	6	29	40	15

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Branch County	12	2	2	7	11	3
Calhoun County	50	8	9	21	34	21
Cass County	24	6	6	12	26	6
Charlevoix County	13	1	1	9	14	3
Cheboygan County	10	1	1	6	8	3
Chippewa County	16	2	2	4	7	10
Clare County	9	0	0	5	5	4
Clinton County	23	2	2	13	18	8
Crawford County	13	0	0	7	10	6
Delta County	19	2	3	7	16	10
Dickinson County	12	0	0	5	7	7
Eaton County	41	2	2	21	30	18
Emmet County	22	1	1	7	10	14
Genesee County	156	20	21	80	139	56
Gladwin County	6	1	1	3	3	2
Gogebic County	4	0	0	1	1	3
Grand Traverse County	45	8	9	15	30	22
Gratiot County	15	1	1	7	8	7
Hillsdale County	18	5	6	7	12	6
Houghton County	13	2	2	4	4	7
Huron County	11	1	1	6	9	4
Ingham County	67	4	4	42	65	21
Ionia County	19	2	2	7	10	10
Iosco County	9	2	3	6	10	1
Iron County	2	0	0	1	1	1
Isabella County	23	1	1	8	16	14
Jackson County	50	6	6	24	36	20
Kalamazoo County	84	13	14	44	74	27
Kalkaska County	11	1	1	6	8	4
Kent County	195	10	10	88	134	97
Keweenaw County	0	0	0	0	0	0
Lake County	1	0	0	0	0	1
Lapeer County	38	5	5	18	29	15
Leelanau County	7	1	1	3	3	3
Lenawee County	26	5	5	13	16	8
Livingston County	62	5	5	24	41	33
Luce County	1	0	0	1	2	0
Mackinac County	9	1	1	4	4	4

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Macomb County	181	9	10	84	113	88
Manistee County	6	0	0	4	4	2
Marquette County	42	1	1	16	25	25
Mason County	18	2	4	8	16	8
Mecosta County	9	2	2	2	4	5
Menominee County	8	1	1	4	6	3
Midland County	20	2	3	7	11	11
Missaukee County	2	0	0	1	3	1
Monroe County	85	6	7	38	51	41
Montcalm County	30	1	1	20	30	9
Montmorency County	2	0	0	0	0	2
Muskegon County	71	10	11	26	44	35
Newaygo County	22	1	1	16	23	5
Oakland County	263	10	11	127	185	126
Oceana County	11	2	2	4	10	5
Ogemaw County	3	1	1	0	0	2
Ontonagon County	4	2	2	1	2	1
Osceola County	6	0	0	5	7	1
Oscoda County	0	0	0	0	0	0
Otsego County	8	0	0	3	9	5
Ottawa County	85	8	8	26	39	51
Presque Isle County	6	2	2	1	2	3
Roscommon County	11	2	2	6	13	3
Saginaw County	69	7	7	30	44	32
Sanilac County	7	1	1	1	2	5
Schoolcraft County	4	1	1	2	3	1
Shiawassee County	28	2	2	14	21	12
St. Clair County	52	3	3	25	44	24
St. Joseph County	17	2	2	12	17	3
Tuscola County	33	3	3	15	23	15
Van Buren County	42	6	6	19	32	17
Washtenaw County	129	6	6	70	106	53
Wayne County	408	24	26	198	318	186
Wexford County	10	1	1	4	5	5
Total:	2,999	259	275	1,410	2,190	1,330

2021 Distracted Driving Involved Crashes

Description: Distractions are actions or sources that may have influenced driver or non-motorist performance. The distraction that is documented on the UD-10 is either determined or observed by the responding law enforcement official. Crashes involving more than one driver can result in multiple driver distractions reported. The totals listed below are counting reported driver distractions and not total crashes.

2021 Summary:

- Distracted driving involved fatalities increased 14 percent, from 52 in 2020 to 59 in 2021.
- August had the highest number of driver distracted involved crashes with 1,689 total crashes.
- Fridays had the highest number of driver distracted involved crashes.
- The majority of driver distraction involved crashes occurred between 3 p.m. and 5:59 p.m.

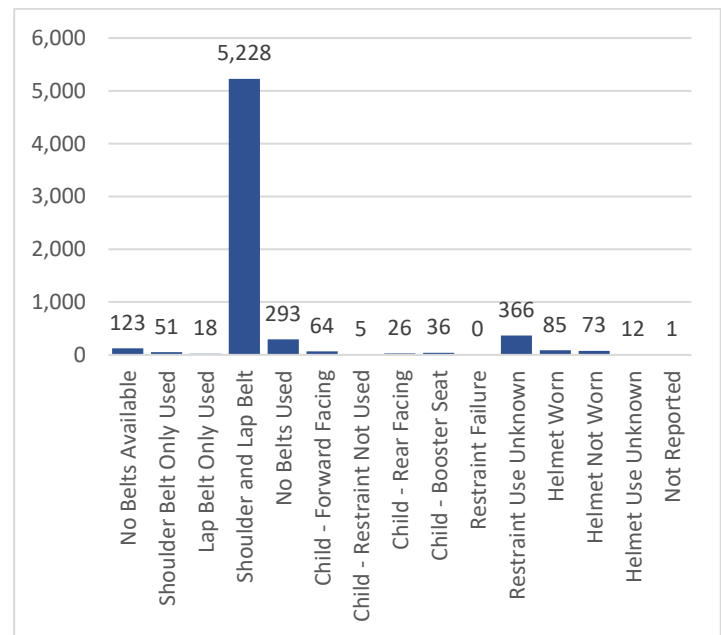
Driver Distraction Involved Traffic Crash Statistics for 2017-2021

	2017	2018	2019	2020	2021
Total Distracted Driving Involved Crashes	20,115	18,927	18,096	14,326	16,543
Total Distracted Driving Involved Fatal Crashes	60	67	65	48	59
Total Distracted Driving Involved Fatalities	72	77	70	52	59

Age and Sex for Distracted Driving Involved Crashes

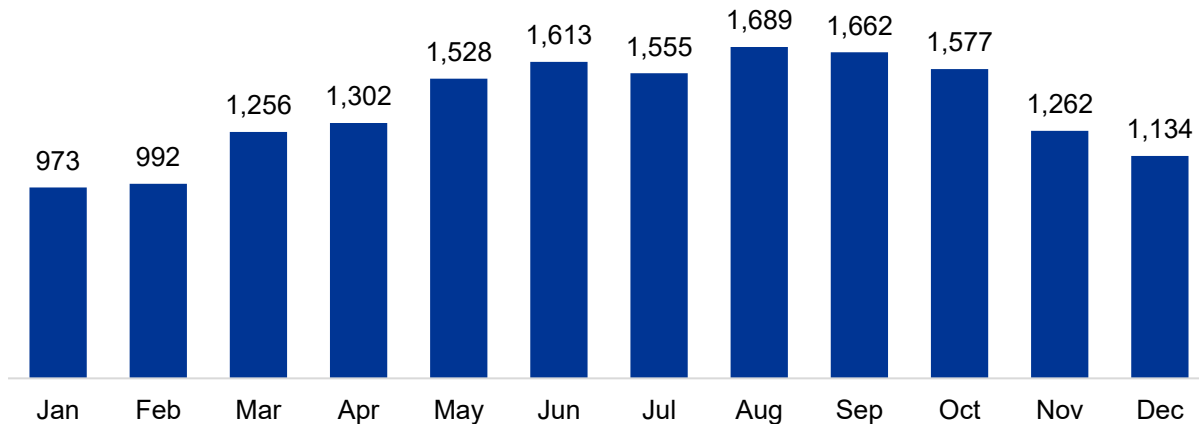
Age Range	Male	Female	Unknown
< 1	76	85	1
1-3	291	264	0
4-10	553	596	0
11-15	407	446	1
16-20	2,720	2,352	3
21-24	1,959	1,752	0
25-34	4,117	3,540	3
35-44	2,963	2,448	3
45-54	2,425	2,093	2
55-64	2,263	1,795	0
65-74	1,369	1,164	2
75-84	508	469	1
85-94	96	101	0
> 95	5	5	0
Not Reported	105	76	1,833
Total:	19,857	17,186	1,849
Percentage:	51.0%	44.2%	4.8%

Restraint Use for Distracted Driving Involved Crashes

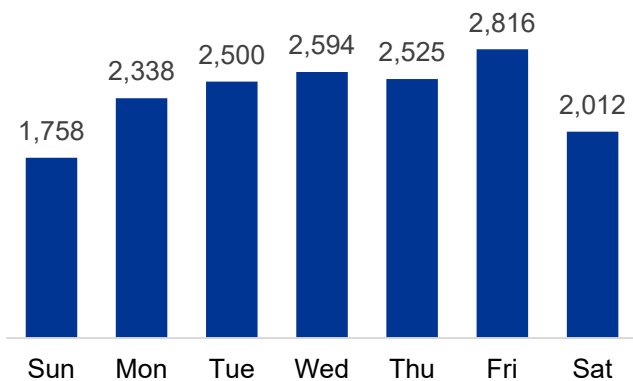


Both charts include all party types involved in a driver distracted involved crash (driver, passenger, pedestrian, bicyclist or engineer (train)). Only fatal and injured persons are included in the restraint use statistics.

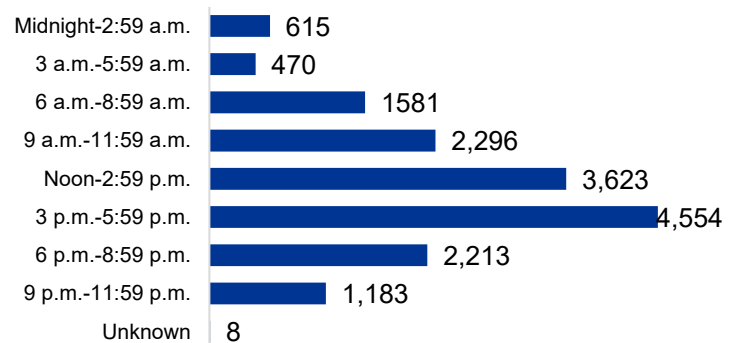
Distracted Driving Involved Traffic Crashes by Month



Distracted Driving Involved Traffic Crashes by Day of Week



Distracted Driving Involved Traffic Crashes by Time of Day



Driver Distractions Reported in Traffic Crashes

Driver Distraction	Total
Not Distracted	13,122
Communication Device (Text, Type, Dial)	2,121
Hands-Free Device (Talk)	164
Hands-Held Device (Talk)	483
Electronic Device – Other	1,829
Passenger	927
Other Activity Inside Vehicle	5,907
Activity Outside Vehicle	5,300
Unknown	1,959
Not Reported	2
Total:	31,814

Driver Distractions Reported in Fatal Traffic Crashes

Driver Distraction	Total
Not Distracted	29
Communication Device (Text, Type, Dial)	11
Hands-Free Device (Talk)	4
Hands-Held Device (Talk)	6
Electronic Device – Other	11
Passenger	4
Other Activity Inside Vehicle	11
Activity Outside Vehicle	12
Unknown	11
Not Reported	0
Total:	99

Distracted Driver Involved Crashes by County

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Alcona County	12	0	0	2	2	10
Alger County	4	0	0	1	1	3
Allegan County	233	0	0	55	77	178
Alpena County	71	0	0	22	30	49
Antrim County	33	0	0	8	9	25
Arenac County	17	0	0	6	9	11
Baraga County	9	0	0	6	10	3
Barry County	71	0	0	24	44	47
Bay County	187	1	1	53	69	133
Benzie County	22	0	0	7	8	15
Berrien County	264	4	4	65	95	195
Branch County	60	1	1	20	30	39
Calhoun County	168	0	0	39	51	129
Cass County	79	1	1	24	39	54
Charlevoix County	42	0	0	12	16	30
Cheboygan County	22	0	0	3	3	19
Chippewa County	47	0	0	15	24	32
Clare County	79	0	0	14	18	65
Clinton County	72	0	0	18	25	54
Crawford County	20	0	0	9	19	11
Delta County	61	0	0	11	16	50
Dickinson County	26	1	1	2	3	23
Eaton County	169	0	0	46	74	123
Emmet County	68	0	0	15	16	53
Genesee County	580	1	1	159	220	420
Gladwin County	32	0	0	8	11	24
Gogebic County	17	0	0	4	8	13
Grand Traverse County	220	2	2	45	66	173
Gratiot County	70	0	0	19	27	51
Hillsdale County	45	2	2	12	19	31
Houghton County	57	0	0	19	30	38
Huron County	45	0	0	17	24	28
Ingham County	475	1	1	107	147	367
Ionia County	87	0	0	28	37	59
Iosco County	30	0	0	15	19	15
Iron County	19	0	0	4	4	15

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Isabella County	99	2	2	19	26	78
Jackson County	274	2	2	67	94	205
Kalamazoo County	625	0	0	143	200	482
Kalkaska County	23	1	1	5	7	17
Kent County	1,572	2	2	427	592	1,143
Keweenaw County	3	0	0	0	0	3
Lake County	6	0	0	3	4	3
Lapeer County	106	2	2	39	59	65
Leelanau County	29	0	0	8	17	21
Lenawee County	128	0	0	38	61	90
Livingston County	276	3	3	81	104	192
Luce County	9	0	0	3	3	6
Mackinac County	16	0	0	6	8	10
Macomb County	1,705	5	5	482	690	1,218
Manistee County	42	0	0	10	15	32
Marquette County	109	0	0	26	36	83
Mason County	38	0	0	10	11	28
Mecosta County	71	0	0	17	22	54
Menominee County	26	1	1	7	9	18
Midland County	123	2	2	30	39	91
Missaukee County	16	0	0	3	5	13
Monroe County	243	1	1	80	114	162
Montcalm County	112	2	2	36	53	74
Montmorency County	5	0	0	1	1	4
Muskegon County	210	0	0	50	66	160
Newaygo County	67	0	0	18	29	49
Oakland County	2,207	1	1	589	853	1,617
Oceana County	33	0	0	13	19	20
Ogemaw County	22	0	0	6	6	16
Ontonagon County	5	1	1	1	4	3
Osceola County	41	0	0	15	23	26
Oscoda County	15	0	0	4	4	11
Otsego County	27	1	1	9	18	17
Ottawa County	597	2	2	136	185	459
Presque Isle County	7	0	0	2	2	5
Roscommon County	26	0	0	8	12	18
Saginaw County	311	2	2	64	95	245
Sanilac County	61	2	2	20	35	39

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Schoolcraft County	13	0	0	3	3	10
Shiawassee County	94	0	0	42	63	52
St. Clair County	177	0	0	65	92	112
St. Joseph County	124	2	2	40	65	82
Tuscola County	74	0	0	26	31	48
Van Buren County	105	1	1	36	56	68
Washtenaw County	587	4	4	157	220	426
Wayne County	2,480	6	6	643	935	1,831
Wexford County	91	0	0	28	36	63
Total:	16,543	59	59	4,430	6,322	12,054

2021 Bicycle Involved Crashes

Description: A bicycle is defined as a non-motorized unit propelled by pedaling, regardless of the number of wheels, which can include tricycles, unicycles, and pedal cars. When involved in a traffic crash, bicycles are recorded on the UD-10 as a separate unit.

2021 Summary:

- Bicyclist fatalities decreased 24 percent, from 38 in 2020 to 29 in 2021.
- 89.7 percent of bicyclist fatalities were reported as males.
- September had the highest number of bicycle involved crashes with 210 total crashes.
- Tuesdays had the highest number of bicycle involved crashes.
- The majority of bicycle involved crashes occurred between 3 p.m. and 5:59 p.m.

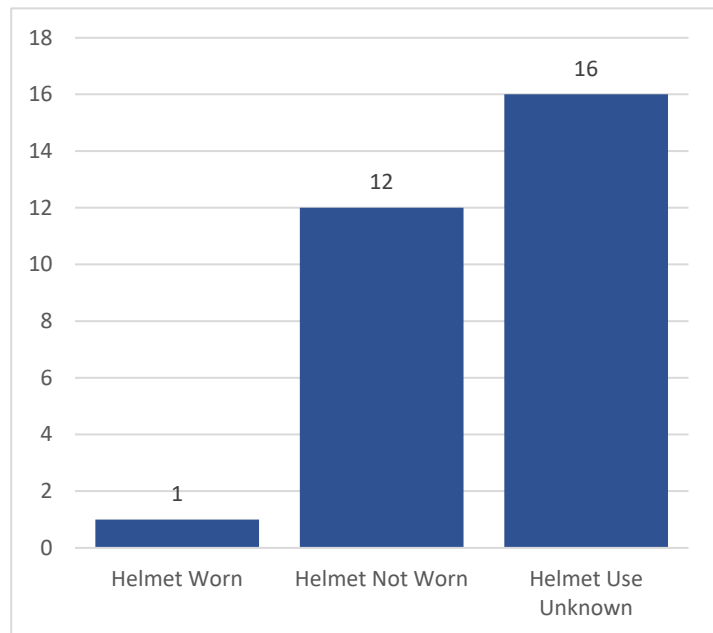
Bicycle Involved Traffic Crash Statistics for 2017-2021

	2017	2018	2019	2020	2021
Total Bicycle Involved Crashes	1,712	1,546	1,492	1,224	1,248
Total Bicycle Involved Fatal Crashes	21	23	21	37	29
Total Bicyclist Fatalities	21	21	21	38	29

Age and Sex for Bicyclist Fatalities

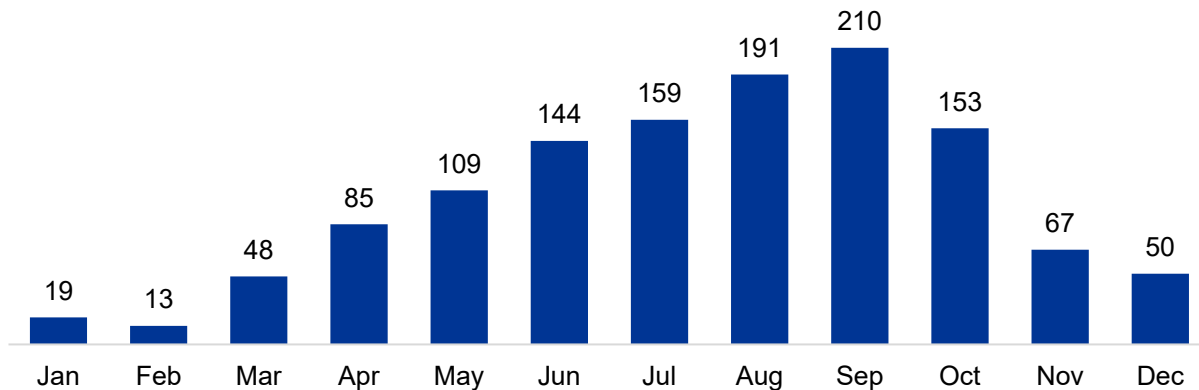
Age Range	Male	Female
< 1	0	0
1-3	0	0
4-10	2	0
11-15	2	0
16-20	0	1
21-24	0	0
25-34	2	1
35-44	3	0
45-54	3	1
55-64	8	0
65-74	2	0
75-84	3	0
85-94	1	0
> 95	0	0
Not Reported	0	0
Total:	26	3
Percentage:	89.7%	10.3%

Helmet Use for Bicyclist Fatalities

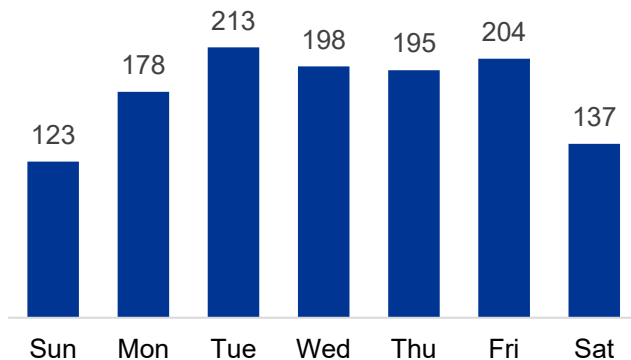


Both charts include only bicyclist fatality totals.

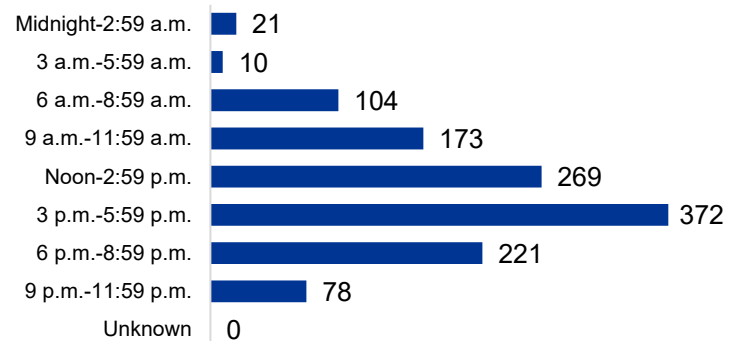
Bicycle Involved Traffic Crashes by Month



Bicycle Involved Traffic Crashes by Day of Week



Bicycle Involved Traffic Crashes by Time of Day



Bicycle Involved Crashes by County

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Allegan County	11	0	0	10	10	1
Alpena County	9	0	0	7	7	2
Antrim County	2	0	0	2	2	0
Baraga County	1	0	0	1	1	0
Barry County	4	0	0	3	3	1
Bay County	11	0	0	10	10	1
Berrien County	17	0	0	14	14	3
Branch County	7	2	2	4	6	1

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Calhoun County	9	1	1	7	7	1
Cass County	1	0	0	1	1	0
Charlevoix County	2	1	1	1	3	0
Cheboygan County	3	0	0	3	3	0
Chippewa County	5	0	0	3	3	2
Clare County	1	0	0	1	1	0
Clinton County	3	1	1	1	1	1
Delta County	4	0	0	4	5	0
Dickinson County	5	0	0	5	5	0
Eaton County	10	1	1	7	8	2
Emmet County	2	0	0	2	2	0
Genesee County	27	2	2	20	20	5
Gladwin County	1	0	0	1	1	0
Grand Traverse County	20	2	2	14	15	4
Gratiot County	3	0	0	3	3	0
Hillsdale County	1	0	0	1	1	0
Houghton County	4	0	0	3	3	1
Huron County	1	1	1	0	0	0
Ingham County	58	1	1	42	42	15
Iosco County	3	0	0	2	2	1
Isabella County	7	0	0	4	5	3
Jackson County	19	1	1	15	15	3
Kalamazoo County	44	3	3	34	36	7
Kalkaska County	3	0	0	1	1	2
Kent County	114	1	1	93	97	20
Lake County	1	0	0	1	1	0
Lapeer County	5	1	1	4	4	0
Leelanau County	1	0	0	1	1	0
Lenawee County	6	0	0	4	4	2
Livingston County	7	0	0	6	6	1
Mackinac County	2	0	0	2	2	0
Macomb County	141	2	2	115	115	24
Manistee County	4	0	0	4	4	0
Marquette County	8	0	0	6	6	2
Mason County	2	0	0	1	1	1
Mecosta County	5	0	0	4	4	1
Menominee County	1	0	0	1	1	0
Midland County	8	0	0	8	8	0

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Monroe County	14	0	0	10	10	4
Montcalm County	3	1	1	1	1	1
Muskegon County	18	1	1	17	18	0
Newaygo County	1	0	0	1	1	0
Oakland County	136	2	2	104	114	30
Oceana County	2	0	0	1	1	1
Ogemaw County	1	1	1	0	0	0
Osceola County	1	0	0	1	1	0
Otsego County	2	0	0	2	2	0
Ottawa County	48	1	1	37	37	10
Roscommon County	4	0	0	4	4	0
Saginaw County	22	1	1	18	19	3
Schoolcraft County	1	0	0	1	1	0
Shiawassee County	9	0	0	8	8	1
St. Clair County	24	0	0	13	13	11
St. Joseph County	4	0	0	3	3	1
Tuscola County	2	0	0	2	2	0
Van Buren County	8	0	0	8	8	0
Washtenaw County	62	1	1	49	49	12
Wayne County	281	1	1	210	216	70
Wexford County	2	0	0	1	1	1
Total:	1,248	29	29	967	999	252

2021 Pedestrian Involved Crashes

Description: Each of the following scenarios are documented as pedestrian involved crashes on the UD-10: a person on foot; person on skis, skates, or roller blades; rider of a horse; horse and buggy (each occupant, including the driver, will be listed as a separate pedestrian unit); and a non-motorized wheelchair.

2021 Summary:

- Pedestrian fatalities increased 5 percent, from 175 in 2020 to 183 in 2021.
- There were two drivers and one bicyclist who also received fatal injuries in a pedestrian involved crash in 2021.
- 67.2 percent of pedestrian fatalities were reported as males.
- October had the highest number of pedestrian involved crashes with 236 total crashes.
- Tuesdays had the highest number of pedestrian involved crashes.
- The majority of pedestrian involved crashes occurred between 6 p.m. and 8:59 p.m.

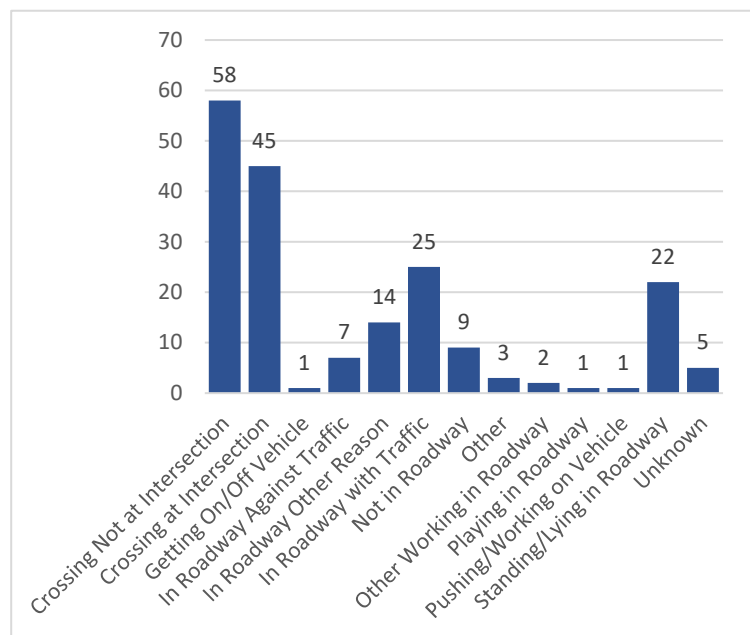
Pedestrian Involved Traffic Crash Statistics for 2017-2021

	2017	2018	2019	2020	2021
Total Pedestrian Involved Crashes	2,285	2,203	2,260	1,682	1,790
Total Pedestrian Involved Fatal Crashes	156	145	143	173	182
Total Pedestrian Fatalities	158	145	149	175	183

Age and Sex for Pedestrian Fatalities

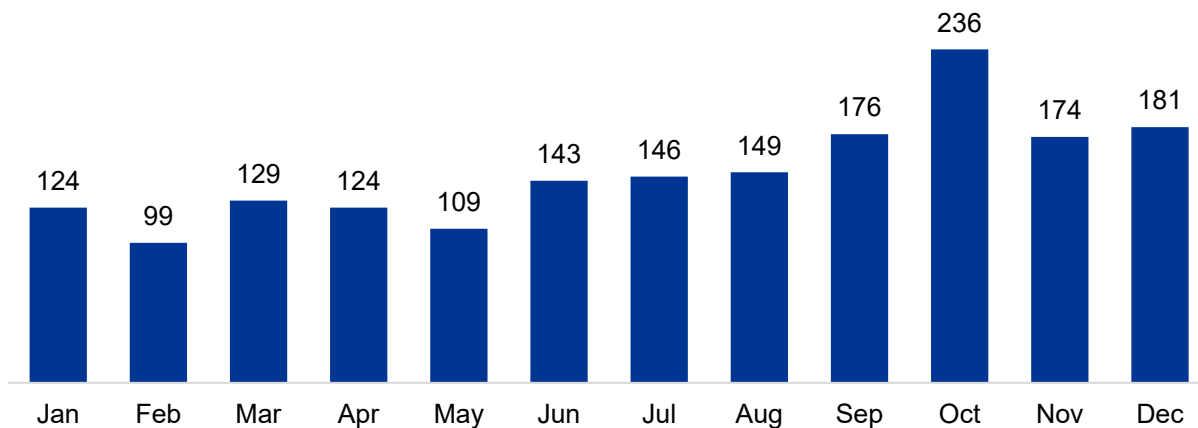
Age Range	Male	Female
< 1	0	0
1-3	0	0
4-10	0	3
11-15	2	0
16-20	5	4
21-24	7	1
25-34	16	7
35-44	20	15
45-54	31	4
55-64	16	10
65-74	18	11
75-84	7	5
85-94	1	0
> 95	0	0
Not Reported	0	0
Total:	123	60
Percentage:	67.2%	32.8%

Action Prior for Pedestrian Fatalities

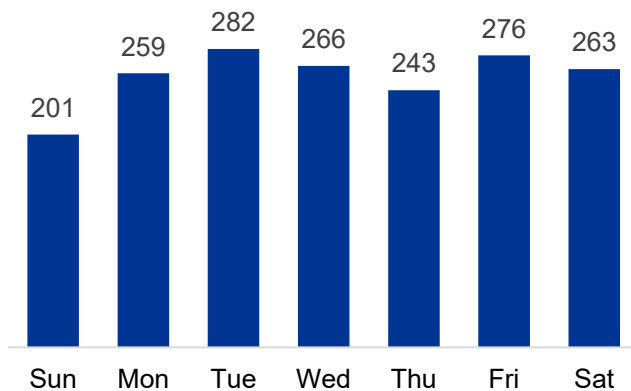


Both charts include only pedestrian fatality totals.

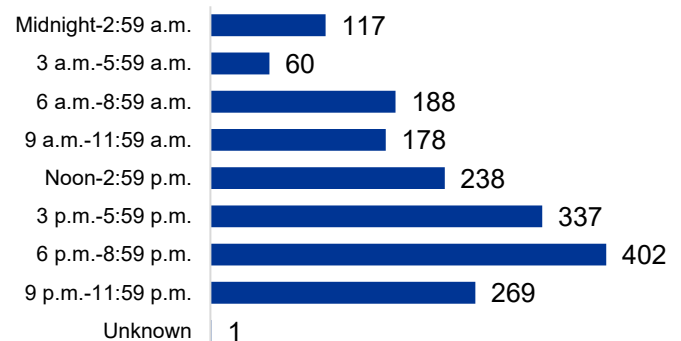
Pedestrian Involved Traffic Crashes by Month



Pedestrian Involved Traffic Crashes by Day of Week



Pedestrian Involved Traffic Crashes by Time of Day



Pedestrian Involved Crashes by County

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Allegan County	10	1	1	6	10	3
Alpena County	6	0	0	4	4	2
Antrim County	3	0	0	3	3	0
Barry County	5	1	1	4	4	0
Bay County	27	5	5	21	22	1
Berrien County	16	6	6	8	14	2
Branch County	12	2	2	9	13	1
Calhoun County	30	4	4	19	19	7

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Cass County	6	1	1	5	6	0
Charlevoix County	6	1	1	5	5	0
Chippewa County	3	1	1	1	1	1
Clare County	5	0	0	4	5	1
Clinton County	4	0	0	4	4	0
Delta County	5	1	1	4	4	0
Dickinson County	1	0	0	1	1	0
Eaton County	14	0	0	13	17	1
Genesee County	65	9	9	52	65	4
Gladwin County	9	0	0	4	5	5
Grand Traverse County	15	1	1	12	15	2
Gratiot County	6	2	2	4	4	0
Hillsdale County	6	1	1	4	4	1
Houghton County	3	0	0	3	3	0
Huron County	5	2	2	3	3	0
Ingham County	66	3	3	53	56	10
Ionia County	9	2	2	7	7	0
Iosco County	2	1	2	1	2	0
Iron County	3	1	1	2	3	0
Isabella County	12	1	1	10	11	1
Jackson County	17	2	2	15	17	0
Kalamazoo County	55	3	3	44	48	8
Kalkaska County	3	0	0	3	3	0
Kent County	166	14	14	131	137	21
Lapeer County	6	2	2	4	5	0
Leelanau County	3	0	0	2	2	1
Lenawee County	17	2	2	15	20	0
Livingston County	20	1	1	18	20	1
Macomb County	128	7	7	109	114	12
Manistee County	3	0	0	3	4	0
Marquette County	4	0	0	4	4	0
Mason County	4	1	1	3	6	0
Mecosta County	5	0	0	4	4	1
Menominee County	3	0	0	3	3	0
Midland County	8	0	0	8	8	0
Missaukee County	2	0	0	1	2	1
Monroe County	18	2	2	14	15	2
Montcalm County	7	0	0	5	5	2

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Muskegon County	23	0	0	22	24	1
Newaygo County	2	0	0	2	2	0
Oakland County	160	21	22	121	140	18
Oceana County	1	0	0	0	0	1
Ogemaw County	1	0	0	1	1	0
Osceola County	2	0	0	1	1	1
Otsego County	5	0	0	5	5	0
Ottawa County	24	3	3	19	20	2
Presque Isle County	2	1	1	0	0	1
Saginaw County	38	4	4	29	35	5
Sanilac County	5	2	2	2	3	1
Schoolcraft County	3	0	0	3	3	0
Shiawassee County	13	0	0	12	13	1
St. Clair County	12	0	0	12	15	0
St. Joseph County	13	1	1	10	12	2
Tuscola County	2	0	0	2	2	0
Van Buren County	11	4	4	6	9	1
Washtenaw County	79	3	3	70	75	6
Wayne County	562	60	62	423	481	79
Wexford County	9	3	3	5	5	1
Total:	1,790	182	186	1,397	1,573	211

Note: Fatality and injury totals above can include any party type who was killed or received an injury in a pedestrian involved crash. Two drivers and one bicyclist also received fatal injuries in a pedestrian involved crash in 2021.

2021 Motorcycle Involved Crashes

Description: A motorcycle is defined as every motor vehicle having a saddle or seat for the use of the rider and designed to travel on not more than three wheels in contact with the ground but excluding a tractor. It is recorded as its own unit on a UD-10.

2021 Summary:

- Motorcyclist fatalities increased 9 percent, from 152 in 2020 to 166 in 2021.
- There were two pedestrians and one driver who also received fatal injuries in a motorcycle involved crash in 2021.
- 92.2 percent of motorcyclist fatalities were reported as males.
- July had the highest number of motorcycle involved crashes with 561 total crashes.
- Saturdays and Sundays had the highest number of motorcycle involved crashes.
- The majority of motorcycle involved crashes occurred between 3 p.m. and 8:59 p.m.

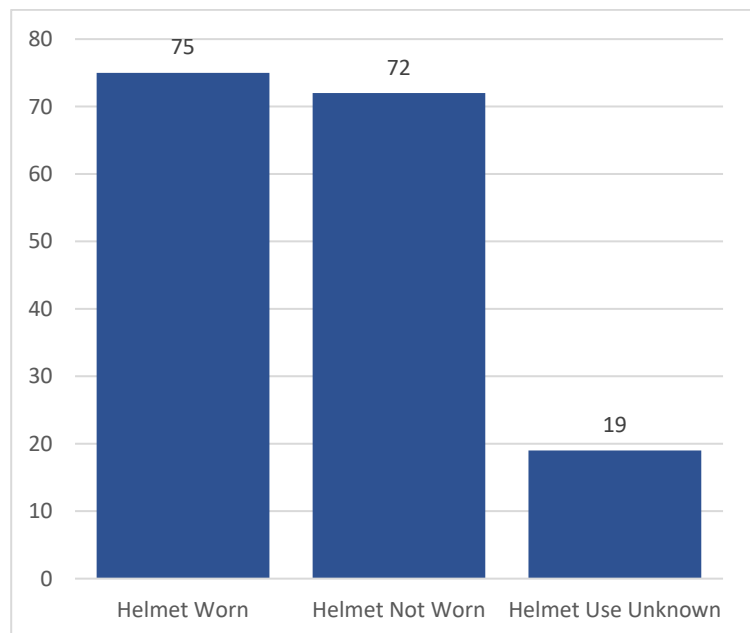
Motorcycle Involved Traffic Crash Statistics for 2017-2021

	2017	2018	2019	2020	2021
Total Motorcycle Involved Crashes	2,886	2,648	2,723	2,988	3,175
Total Motorcycle Involved Fatal Crashes	131	126	116	150	166
Total Motorcyclist Fatalities	137	134	122	152	166

Age and Sex for Motorcyclist Fatalities

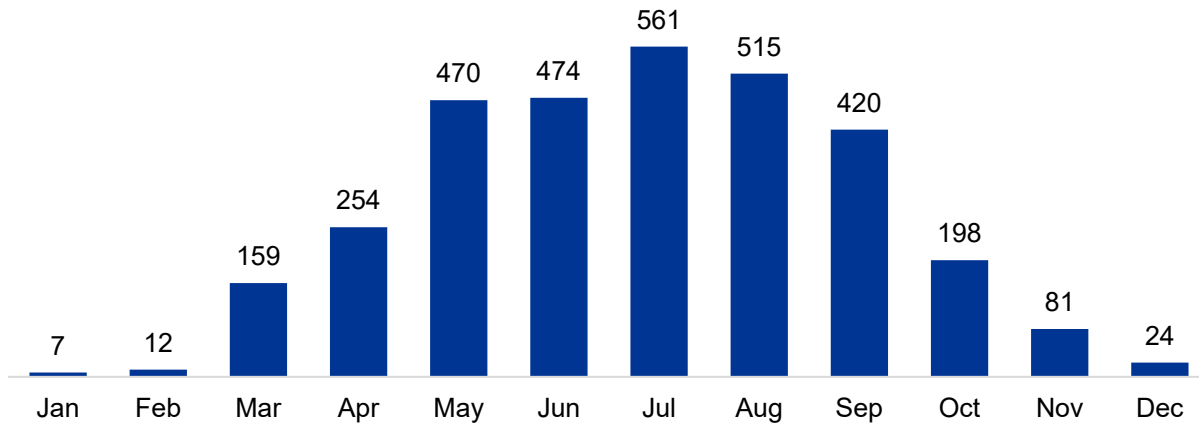
Age Range	Male	Female
< 1	0	0
1-3	0	0
4-10	0	0
11-15	0	0
16-20	6	1
21-24	11	1
25-34	45	2
35-44	31	3
45-54	26	3
55-64	20	2
65-74	10	1
75-84	4	0
85-94	0	0
> 95	0	0
Not Reported	0	0
Total:	153	13
Percentage:	92.2%	7.8%

Helmet Use for Motorcyclist Fatalities

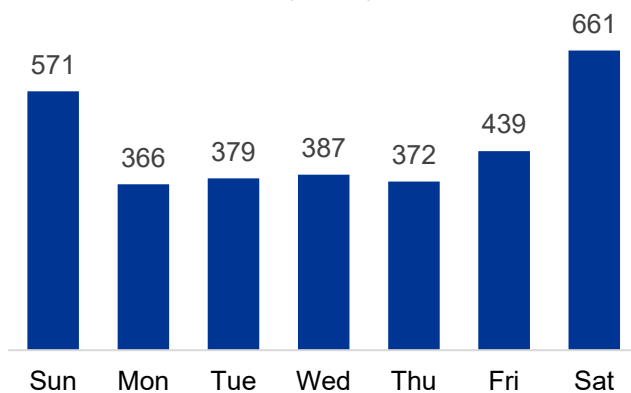


Both charts include only motorcyclist fatality totals.

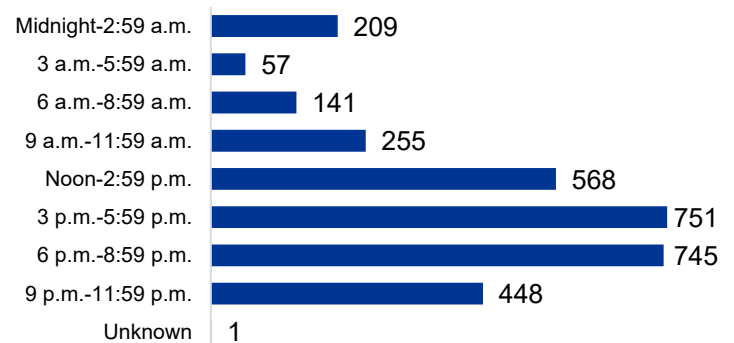
Motorcycle Involved Traffic Crashes by Month



Motorcycle Involved Traffic Crashes by Day of Week



Motorcycle Involved Traffic Crashes by Time of Day



Motorcycle Involved Crashes by County

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Alcona County	5	0	0	5	5	0
Alger County	6	1	1	5	8	0
Allegan County	47	7	7	31	37	9
Alpena County	9	0	0	7	7	2
Antrim County	16	2	2	8	9	6
Arenac County	5	0	0	5	5	0
Baraga County	2	0	0	1	1	1
Barry County	21	1	1	13	19	7
Bay County	36	2	2	27	34	7
Benzie County	9	0	0	7	9	2
Berrien County	40	3	3	30	34	7

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Branch County	20	0	0	18	22	2
Calhoun County	63	5	5	35	40	23
Cass County	22	0	0	20	22	2
Charlevoix County	6	0	0	5	5	1
Cheboygan County	14	2	2	11	18	1
Chippewa County	13	0	0	11	17	2
Clare County	14	0	0	13	14	1
Clinton County	24	1	1	18	20	5
Crawford County	6	0	0	6	6	0
Delta County	12	1	1	10	10	1
Dickinson County	5	0	0	4	6	1
Eaton County	34	1	1	26	28	7
Emmet County	18	0	0	15	17	3
Genesee County	139	14	14	97	132	28
Gladwin County	12	0	0	9	9	3
Gogebic County	2	0	0	1	1	1
Grand Traverse County	32	5	5	21	22	6
Gratiot County	13	0	0	8	9	5
Hillsdale County	18	1	1	13	17	4
Houghton County	7	0	0	7	9	0
Huron County	5	0	0	4	4	1
Ingham County	81	9	9	56	70	16
Ionia County	37	2	2	30	36	5
Iosco County	11	0	0	10	10	1
Iron County	4	0	0	4	4	0
Isabella County	18	0	0	14	15	4
Jackson County	64	2	2	45	53	17
Kalamazoo County	104	7	7	72	86	25
Kalkaska County	4	0	0	3	4	1
Kent County	210	8	8	146	173	56
Keweenaw County	3	0	0	1	2	2
Lake County	4	0	0	4	6	0
Lapeer County	30	5	5	22	30	3
Leelanau County	3	0	0	3	3	0
Lenawee County	34	1	1	26	30	7
Livingston County	57	3	3	42	47	12
Luce County	1	0	0	1	1	0
Mackinac County	12	1	1	10	12	1

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Macomb County	203	10	10	149	170	44
Manistee County	9	1	1	7	7	1
Marquette County	18	1	1	13	18	4
Mason County	10	0	0	7	7	3
Mecosta County	12	1	1	8	10	3
Menominee County	5	0	0	3	3	2
Midland County	16	1	1	11	13	4
Missaukee County	4	0	0	3	3	1
Monroe County	63	2	2	50	58	11
Montcalm County	23	1	1	18	19	4
Montmorency County	2	0	0	2	2	0
Muskegon County	87	7	8	61	76	19
Newaygo County	31	0	0	24	27	7
Oakland County	256	6	6	182	205	68
Oceana County	9	0	0	8	9	1
Ogemaw County	6	0	0	6	6	0
Ontonagon County	5	0	0	5	6	0
Osceola County	10	0	0	9	10	1
Oscoda County	2	0	0	2	3	0
Otsego County	11	2	2	7	9	2
Ottawa County	60	3	3	43	52	14
Presque Isle County	3	0	0	3	3	0
Roscommon County	6	0	0	5	6	1
Saginaw County	74	2	2	53	68	19
Sanilac County	18	1	1	14	20	3
Schoolcraft County	6	0	0	4	4	2
Shiawassee County	21	1	1	19	24	1
St. Clair County	68	3	3	51	57	14
St. Joseph County	32	1	1	25	28	6
Tuscola County	30	4	4	18	19	8
Van Buren County	36	2	2	25	29	9
Washtenaw County	82	4	4	54	63	24
Wayne County	589	29	31	417	493	143
Wexford County	16	0	0	15	17	1
Total:	3,175	166	169	2,301	2,722	708

Note: Fatality and injury totals above can include any party type who was killed or received an injury in a motorcycle involved crash. Two pedestrians and one driver also received fatal injuries in a motorcycle involved crash in 2021.

2021 ORV Involved Crashes

Description: An ORV is defined as a motor-driven, off-road recreation vehicle capable of cross-country travel without benefit of a road or trail, on or immediately over land, snow, ice, marsh, swampland, or other natural terrain. An all-terrain vehicle, commonly referred to as an ATV, is an ORV. The State of Michigan requires that both traffic crashes and non-traffic crashes involving snowmobiles and ORVs be reported. This requirement applies whenever an ORV or snowmobile is involved in a crash resulting in a fatality, personal injury, or property damage of \$100 or more.

2021 Summary:

- ORV fatalities increased 40 percent, from 15 in 2020 to 21 in 2021.
- 95.2 percent of ORV fatalities were reported as males.
- July had the highest number of ORV involved crashes with 71 total crashes.
- Saturday had the highest number of ORV involved crashes.
- The majority of ORV involved crashes occurred between 3 p.m. and 8:59 p.m.

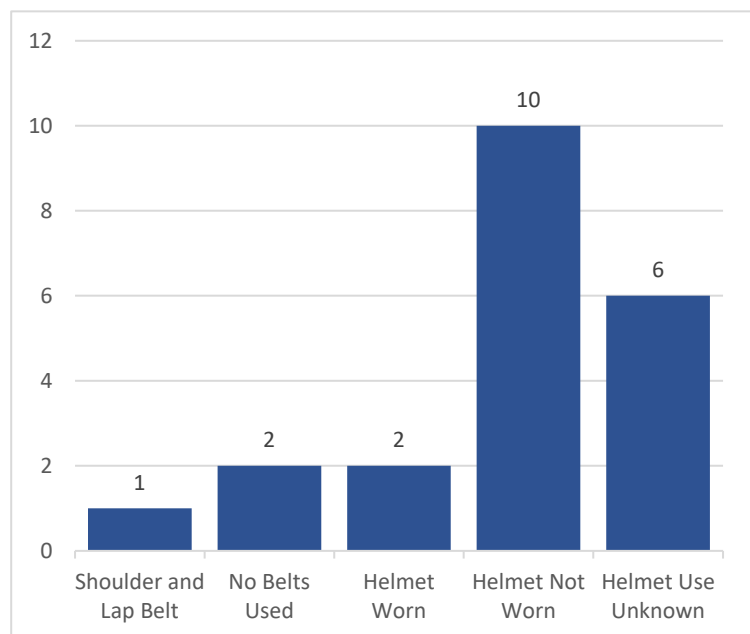
ORV Involved Traffic Crash Statistics for 2017-2021

	2017	2018	2019	2020	2021
Total ORV Involved Crashes	330	277	284	442	436
Total ORV Involved Fatal Crashes	20	15	7	15	21
Total ORV Rider Fatalities	21	15	7	15	21

Age and Sex for ORV Rider Fatalities

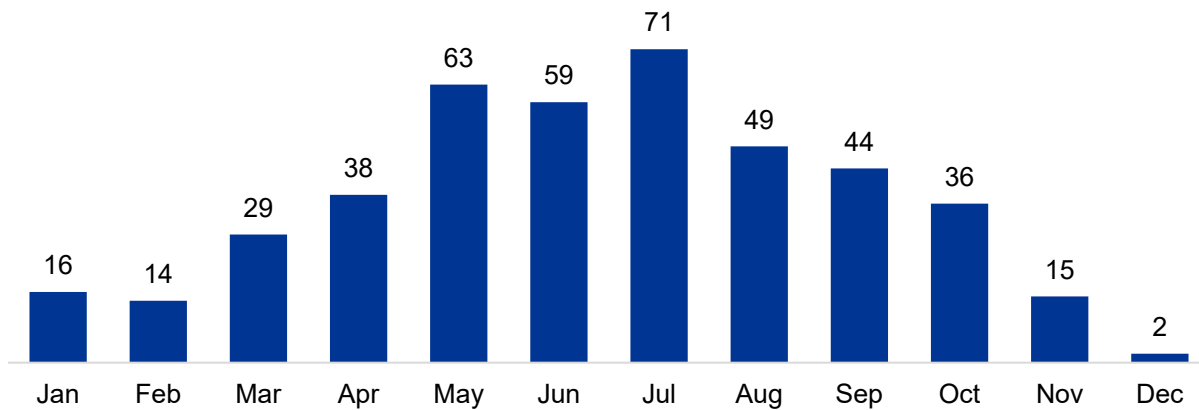
Age Range	Male	Female
< 1	0	0
1-3	0	0
4-10	1	0
11-15	0	0
16-20	1	0
21-24	3	1
25-34	3	0
35-44	6	0
45-54	1	0
55-64	2	0
65-74	0	0
75-84	1	0
85-94	2	0
> 95	0	0
Not Reported	0	0
Total:	20	1
Percentage:	95.2%	4.8%

Restraint Use for ORV Rider Fatalities

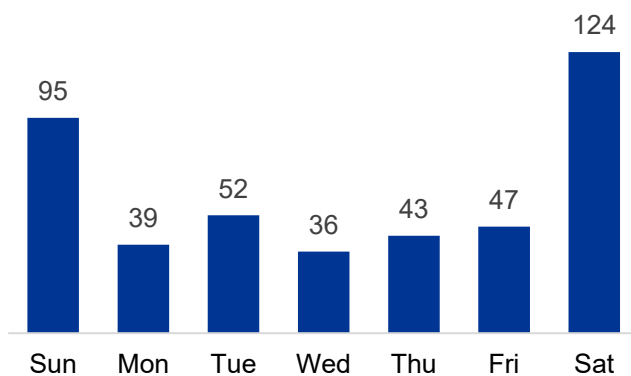


Both charts include only ORV rider fatality totals.

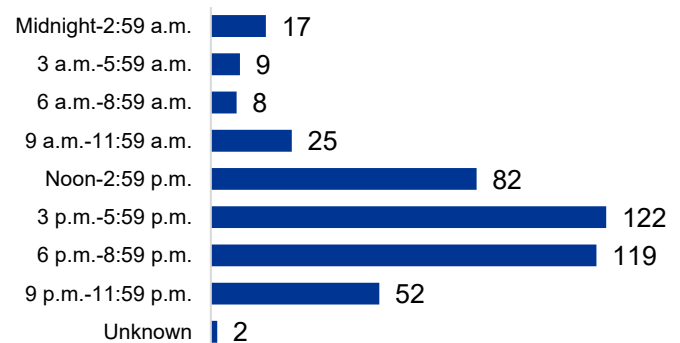
ORV Involved Traffic Crashes by Month



ORV Involved Traffic Crashes by Day of Week



ORV Involved Traffic Crashes by Time of Day



ORV Involved Crashes by County

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Alcona County	4	0	0	4	4	0
Alger County	1	0	0	0	0	1
Allegan County	5	0	0	3	3	2
Alpena County	6	0	0	6	7	0
Antrim County	2	0	0	1	1	1
Arenac County	1	0	0	1	1	0
Barry County	1	0	0	1	2	0
Bay County	3	0	0	1	2	2
Benzie County	1	0	0	0	0	1
Berrien County	5	1	1	3	4	1

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Branch County	3	1	1	2	3	0
Calhoun County	3	0	0	3	4	0
Cass County	1	0	0	0	0	1
Charlevoix County	1	0	0	0	0	1
Cheboygan County	3	0	0	2	2	1
Chippewa County	11	0	0	11	19	0
Clare County	12	0	0	9	11	3
Clinton County	5	0	0	2	2	3
Crawford County	3	0	0	2	2	1
Delta County	9	0	0	7	7	2
Dickinson County	6	1	1	2	4	3
Eaton County	2	0	0	2	2	0
Emmet County	4	0	0	2	2	2
Genesee County	8	1	1	4	4	3
Gladwin County	4	0	0	3	4	1
Gogebic County	3	0	0	1	2	2
Grand Traverse County	6	0	0	3	3	3
Gratiot County	3	0	0	2	2	1
Hillsdale County	2	0	0	0	0	2
Houghton County	4	1	1	2	4	1
Huron County	8	0	0	7	8	1
Ingham County	1	0	0	0	0	1
Ionia County	1	0	0	1	1	0
Iosco County	4	0	0	2	2	2
Iron County	2	0	0	2	2	0
Isabella County	8	0	0	5	5	3
Jackson County	3	0	0	1	1	2
Kalamazoo County	2	0	0	0	0	2
Kalkaska County	13	0	0	11	11	2
Kent County	10	0	0	6	7	4
Keweenaw County	2	0	0	1	1	1
Lake County	7	0	0	5	5	2
Lapeer County	7	1	1	5	6	1
Lenawee County	4	1	1	1	1	2
Livingston County	4	0	0	4	6	0
Luce County	1	0	0	1	1	0
Mackinac County	7	0	0	5	6	2
Macomb County	10	0	0	8	9	2

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Manistee County	1	0	0	1	1	0
Marquette County	10	2	2	7	10	1
Mason County	1	0	0	1	1	0
Mecosta County	2	0	0	1	2	1
Menominee County	6	0	0	5	6	1
Midland County	2	0	0	2	3	0
Missaukee County	9	0	0	5	6	4
Monroe County	6	0	0	4	4	2
Montcalm County	4	0	0	1	3	3
Montmorency County	6	0	0	6	7	0
Muskegon County	9	0	0	8	8	1
Newaygo County	4	0	0	3	4	1
Oakland County	16	1	1	10	13	5
Oceana County	4	0	0	3	3	1
Ogemaw County	3	0	0	1	1	2
Ontonagon County	2	0	0	1	1	1
Osceola County	2	0	0	2	2	0
Oscoda County	2	1	1	1	2	0
Otsego County	2	0	0	1	1	1
Ottawa County	3	0	0	3	4	0
Presque Isle County	3	1	1	1	2	1
Roscommon County	9	0	0	5	7	4
Saginaw County	4	0	0	1	3	3
Sanilac County	7	0	0	5	6	2
Schoolcraft County	4	0	0	3	3	1
Shiawassee County	2	0	0	1	1	1
St. Clair County	17	1	1	9	15	7
St. Joseph County	3	0	0	3	5	0
Tuscola County	6	0	0	5	11	1
Van Buren County	4	1	1	2	4	1
Washtenaw County	2	0	0	1	1	1
Wayne County	59	7	7	36	44	16
Wexford County	6	0	0	5	5	1
Total:	436	21	21	287	362	128

2021 Snowmobile Involved Crashes

Description: A snowmobile is defined as any motor driven vehicle designed for travel primarily on snow or ice of a type which utilizes sled runners or skis, or an endless belt tread or any combination of these or other similar means of contact with the surface upon which it is operated; but is not a vehicle which must be registered under Act No. 300 of the Public Acts of 1949, as amended, being section 257.1 to 257.923 of the Michigan Compiled Laws (MCL 324.82101).

2021 Summary:

- Snowmobile involved fatalities increased 150 percent, from 2 in 2020 to 5 in 2021.
- 100 percent of snowmobile fatalities were reported as males.
- February had the highest number of snowmobile involved crashes with 53 total crashes.
- Saturdays had the highest number of snowmobile involved crashes.
- The majority of snowmobile involved crashes occurred between 3 p.m. and 5:59 p.m.

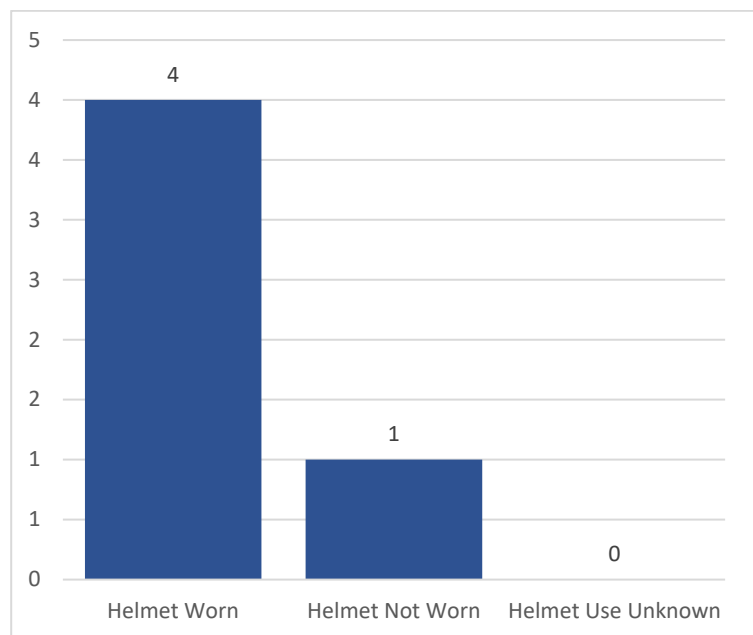
Snowmobile Involved Traffic Crash Statistics for 2017-2021

	2017	2018	2019	2020	2021
Total Snowmobile Involved Crashes	109	74	132	89	97
Total Snowmobile Involved Fatal Crashes	4	0	7	2	5
Total Snowmobile Rider Fatalities	4	0	8	2	5

Age and Sex for Snowmobile Rider Fatalities

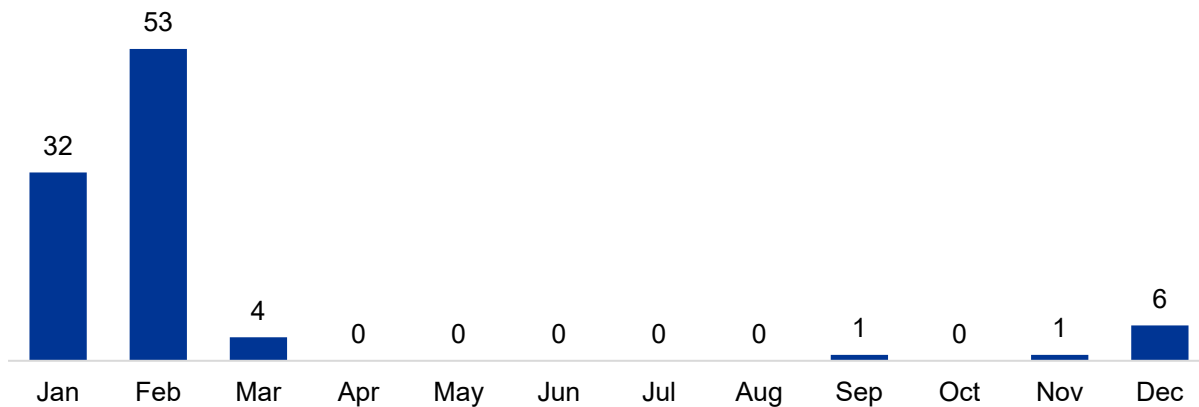
Age Range	Male	Female
< 1	0	0
1-3	0	0
4-10	0	0
11-15	0	0
16-20	1	0
21-24	0	0
25-34	0	0
35-44	0	0
45-54	2	0
55-64	1	0
65-74	1	0
75-84	0	0
85-94	0	0
> 95	0	0
Not Reported	0	0
Total:	5	0
Percentage:	100%	0%

Helmet Use for Snowmobile Rider Fatalities

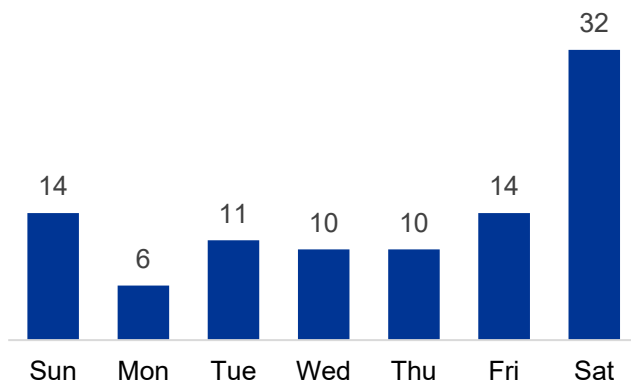


Both charts include only snowmobile rider fatality totals.

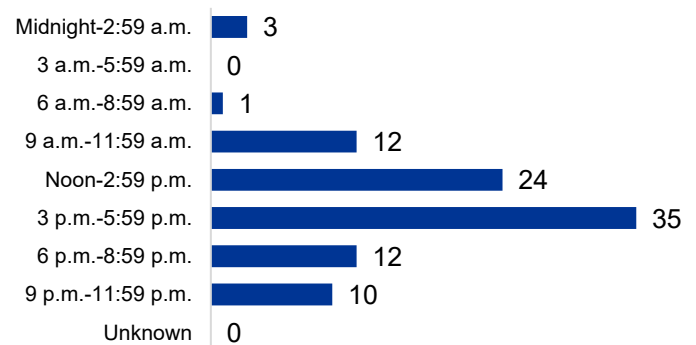
Snowmobile Involved Traffic Crashes by Month



Snowmobile Involved Traffic Crashes by Day of Week



Snowmobile Involved Traffic Crashes by Time of Day



Snowmobile Involved Crashes by County

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Alcona County	1	0	0	0	0	1
Alger County	8	0	0	5	5	3
Antrim County	5	0	0	1	1	4
Benzie County	1	0	0	1	1	0
Cheboygan County	2	0	0	1	1	1
Chippewa County	4	0	0	4	5	0
Crawford County	4	0	0	2	2	2
Emmet County	1	0	0	1	1	0
Gladwin County	1	0	0	0	0	1
Grand Traverse County	1	0	0	1	1	0

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Gratiot County	1	0	0	1	1	0
Houghton County	8	1	1	5	7	2
Ionia County	1	0	0	0	0	1
Iron County	1	0	0	1	1	0
Isabella County	1	0	0	1	1	0
Jackson County	1	0	0	0	0	1
Kalkaska County	3	0	0	2	2	1
Kent County	1	0	0	0	0	1
Keweenaw County	1	0	0	1	1	0
Lake County	4	0	0	1	1	3
Lapeer County	1	1	1	0	0	0
Luce County	3	0	0	3	3	0
Mackinac County	3	0	0	0	0	3
Macomb County	2	0	0	2	2	0
Manistee County	1	0	0	1	1	0
Marquette County	2	0	0	2	2	0
Mecosta County	1	0	0	0	0	1
Missaukee County	1	0	0	1	1	0
Muskegon County	1	0	0	1	1	0
Ogemaw County	1	1	1	0	0	0
Ontonagon County	10	0	0	10	11	0
Oscoda County	2	0	0	1	1	1
Otsego County	3	0	0	2	2	1
Ottawa County	1	1	1	0	0	0
Roscommon County	5	0	0	3	3	2
Saginaw County	1	0	0	0	0	1
Sanilac County	2	0	0	2	2	0
Shiawassee County	1	0	0	1	1	0
Tuscola County	1	0	0	1	1	0
Washtenaw County	1	0	0	1	1	0
Wexford County	4	1	1	2	3	1
Total:	97	5	5	61	66	31

Note: Only counties that reported snowmobile traffic crashes in 2021 are listed above. Non-traffic snowmobile crashes are not included in this table.

2021 Deer Involved Crashes

Description: If a deer is involved in a crash or is a contributing factor in a crash, the responding Law Enforcement Official must report the deer involved in the crash. This includes a deer making physical contact with the motor vehicle or a driver causing a collision due to avoidance of a deer within the roadway.

2021 Summary:

- Deer involved fatalities increased 100 percent, from 5 in 2020 to 10 in 2021.
- November had the highest number of deer involved crashes with 9,093 total crashes.
- The weekdays had the highest number of deer involved crashes.
- There were 52,218 total deer involved crashes in 2021 and only 58,445 total individuals involved in these crashes, indicating that most deer involved crashes involved single occupant vehicles.
- The majority of deer involved crashes occurred between 6 a.m. and 8:59 a.m. and 6 p.m. and 8:59 p.m.

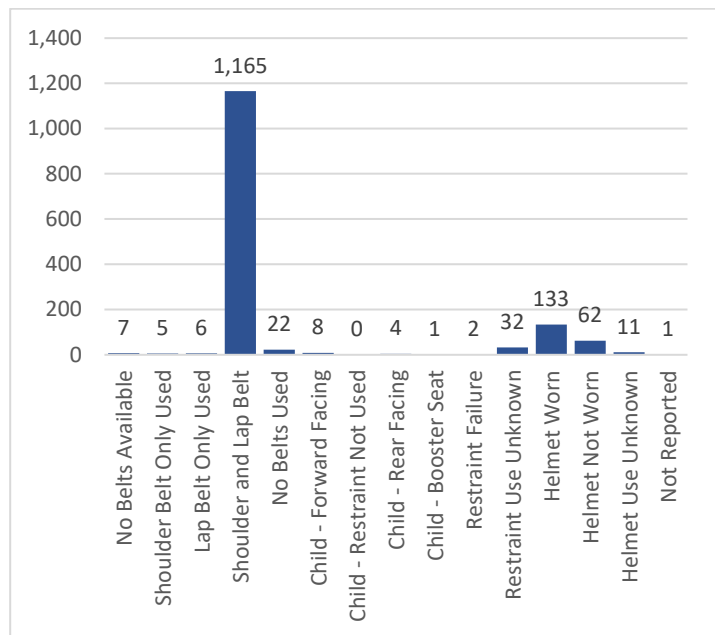
Deer Involved Traffic Crash Statistics for 2017-2021

	2017	2018	2019	2020	2021
Total Deer Involved Crashes	50,949	53,464	55,531	51,103	52,218
Total Deer Involved Fatal Crashes	16	14	12	5	10
Total Deer Involved Fatalities	16	14	12	5	10

Age and Sex for Deer Involved Crashes

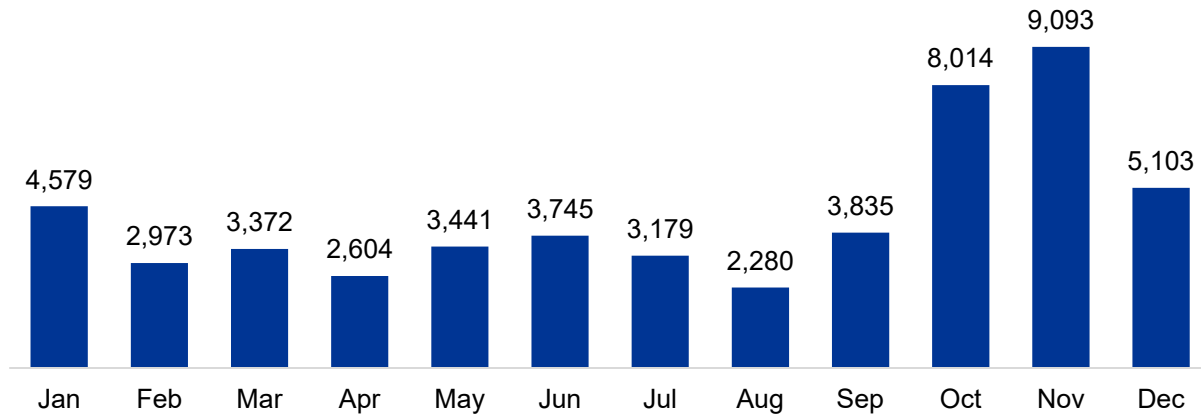
Age Range	Male	Female	Unknown
< 1	40	30	0
1-3	148	124	0
4-10	318	355	0
11-15	313	315	0
16-20	2,437	2,007	0
21-24	2,609	1,982	0
25-34	6,118	4,847	0
35-44	5,755	4,695	1
45-54	5,730	4,589	2
55-64	5,280	4,127	0
65-74	2,894	1,945	0
75-84	989	575	0
85-94	116	70	0
> 95	4	1	0
Not Reported	5	0	34
Total:	32,756	25,662	37
Percentage:	56.0%	43.9%	0.1%

Restraint Use for Deer Involved Crashes

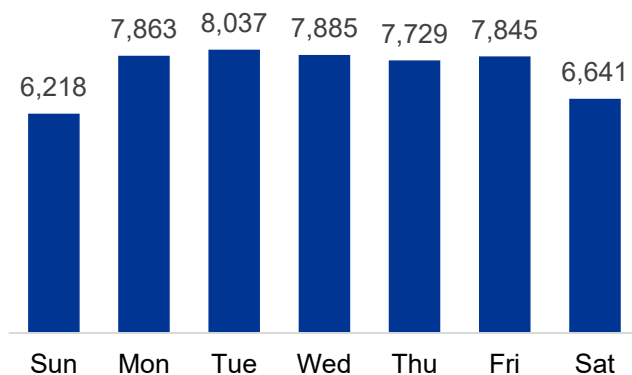


Both charts include all party types involved in a deer involved crash (driver, passenger, pedestrian, bicyclist or engineer (train)). Only fatal and injured persons are included in the restraint use statistics.

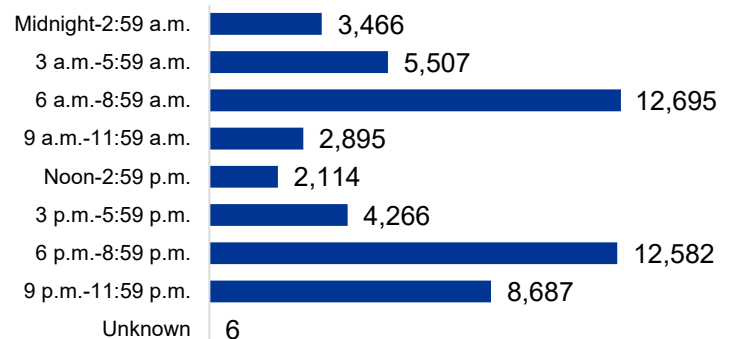
Deer Involved Traffic Crashes by Month



Deer Involved Traffic Crashes by Day of Week



Deer Involved Traffic Crashes by Time of Day



Deer Involved Crashes by County

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Alcona County	340	0	0	4	4	336
Alger County	78	0	0	0	0	78
Allegan County	1,288	2	2	29	35	1,257
Alpena County	291	0	0	8	8	283
Antrim County	421	0	0	9	9	412
Arenac County	384	0	0	9	9	375
Baraga County	166	0	0	2	2	164
Barry County	720	0	0	15	18	705

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Bay County	578	0	0	18	21	560
Benzie County	243	0	0	2	2	241
Berrien County	1,013	0	0	29	32	984
Branch County	808	0	0	29	30	779
Calhoun County	1,247	0	0	23	29	1,224
Cass County	657	0	0	5	5	652
Charlevoix County	508	0	0	3	3	505
Cheboygan County	563	0	0	9	10	554
Chippewa County	271	0	0	3	3	268
Clare County	458	0	0	6	7	452
Clinton County	1,116	0	0	39	43	1,077
Crawford County	278	0	0	7	12	271
Delta County	467	1	1	8	8	458
Dickinson County	421	0	0	6	6	415
Eaton County	720	0	0	30	30	690
Emmet County	419	0	0	8	9	411
Genesee County	1,254	0	0	28	30	1,226
Gladwin County	396	0	0	6	8	390
Gogebic County	66	0	0	3	4	63
Grand Traverse County	642	0	0	7	7	635
Gratiot County	931	0	0	20	24	911
Hillsdale County	936	0	0	15	19	921
Houghton County	259	0	0	6	6	253
Huron County	950	0	0	11	11	939
Ingham County	976	0	0	48	55	928
Ionia County	533	1	1	19	23	513
Iosco County	256	0	0	18	22	238
Iron County	326	1	1	5	7	320
Isabella County	998	0	0	23	28	975
Jackson County	1,544	0	0	40	42	1,504
Kalamazoo County	1,137	1	1	41	47	1,095
Kalkaska County	295	0	0	5	6	290
Kent County	1,810	0	0	53	54	1,757
Keweenaw County	22	0	0	1	1	21
Lake County	160	0	0	2	4	158
Lapeer County	1,355	0	0	43	45	1,312
Leelanau County	289	0	0	5	6	284
Lenawee County	730	0	0	24	25	706

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Livingston County	948	0	0	23	25	925
Luce County	58	0	0	1	1	57
Mackinac County	268	0	0	3	3	265
Macomb County	589	0	0	26	30	563
Manistee County	516	0	0	9	10	507
Marquette County	390	0	0	12	13	378
Mason County	646	0	0	7	7	639
Mecosta County	790	1	1	12	15	777
Menominee County	61	0	0	3	3	58
Midland County	864	0	0	13	16	851
Missaukee County	380	0	0	4	4	376
Monroe County	448	0	0	9	10	439
Montcalm County	758	0	0	14	14	744
Montmorency County	205	0	0	3	3	202
Muskegon County	663	0	0	18	20	645
Newaygo County	661	0	0	9	10	652
Oakland County	1,853	0	0	89	100	1,764
Oceana County	553	0	0	9	12	544
Ogemaw County	395	0	0	10	11	385
Ontonagon County	186	0	0	10	13	176
Osceola County	557	0	0	12	13	545
Oscoda County	113	0	0	1	1	112
Otsego County	305	0	0	6	8	299
Ottawa County	1,391	1	1	37	41	1,353
Presque Isle County	418	0	0	3	3	415
Roscommon County	290	1	1	9	14	280
Saginaw County	941	0	0	27	30	914
Sanilac County	1,080	1	1	14	15	1,065
Schoolcraft County	182	0	0	3	4	179
Shiawassee County	986	0	0	27	34	959
St. Clair County	1,012	0	0	23	28	989
St. Joseph County	565	0	0	14	17	551
Tuscola County	953	0	0	18	18	935
Van Buren County	853	0	0	26	28	827
Washtenaw County	1,080	0	0	36	42	1,044
Wayne County	511	0	0	10	12	501
Wexford County	429	0	0	10	12	419
Total:	52,218	10	10	1,284	1,449	50,924

2021 Truck / Bus Involved Crashes

Description: A Truck/Bus unit is reported on the UD-10 when any of the following are involved in the crash:

- A commercial truck or truck/trailer having a GVWR or GCWR of 10,001 pounds or more, whichever is greater.
- Any vehicle designed or used to transport more than eight passengers including the driver. This can include city buses, school buses, limousines, and courtesy vans.
- Any vehicle displaying or requiring a hazardous material placard, regardless of weight. This can include automobiles, vans, and pick-up trucks.

2021 Summary:

- Truck / Bus involved fatalities increased 32 percent, from 78 in 2020 to 103 in 2021.
- October had the highest number of truck / bus involved crashes with 1,450 total crashes.
- Tuesdays had the highest number of truck / bus involved crashes.
- The majority of truck / bus involved crashes occurred between noon and 2:59 p.m.

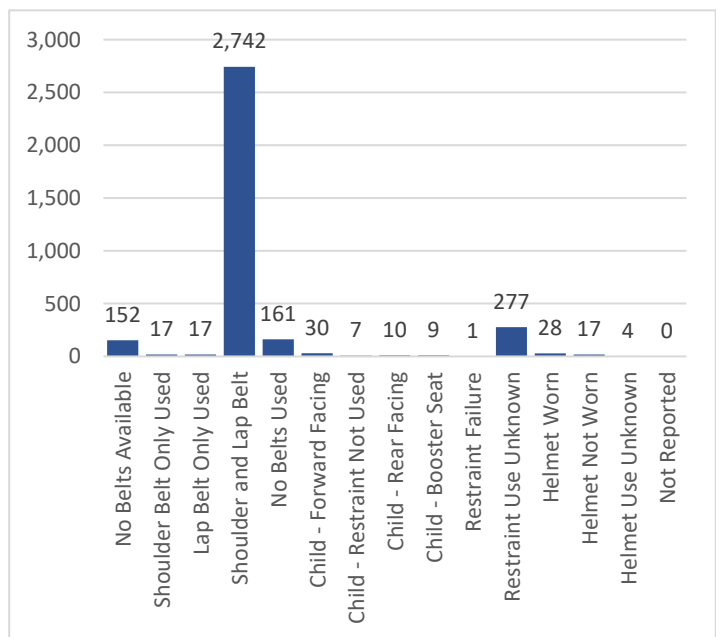
Truck / Bus Involved Traffic Crash Statistics for 2017-2021

	2017	2018	2019	2020	2021
Total Truck / Bus Involved Crashes	12,886	14,803	15,799	11,344	14,293
Total Truck / Bus Involved Fatal Crashes	84	102	98	77	93
Total Truck / Bus Involved Fatalities	95	112	106	78	103

Age and Sex for Truck / Bus Involved Crashes

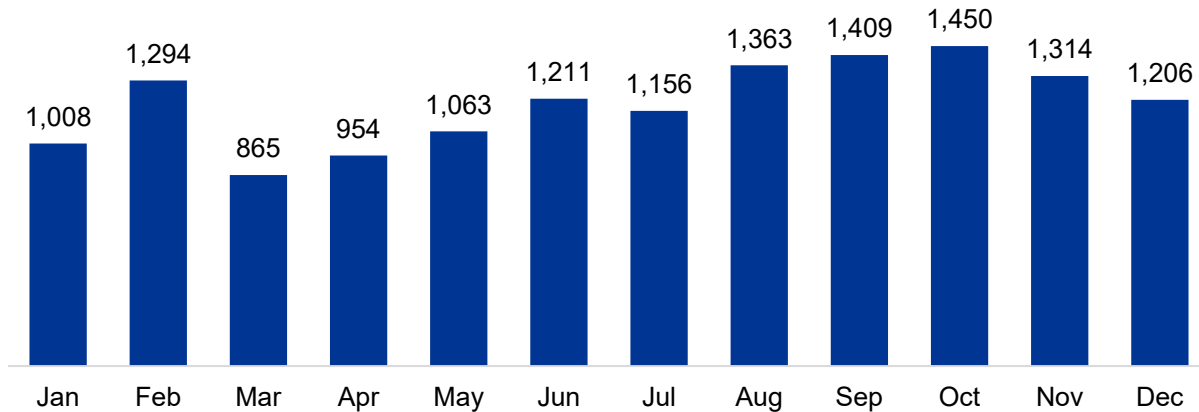
Age Range	Male	Female	Unknown
< 1	29	39	0
1-3	94	80	0
4-10	260	247	0
11-15	257	270	0
16-20	985	723	1
21-24	1,570	659	0
25-34	4,695	1,511	0
35-44	4,004	1,126	2
45-54	4,099	1,093	0
55-64	3,955	1,069	1
65-74	1,444	619	0
75-84	414	255	0
85-94	85	63	0
> 95	4	8	0
Not Reported	113	36	2,077
Total:	22,008	7,798	2,081
Percentage:	69.0%	24.5%	6.5%

Restraint Use for Truck / Bus Involved Crashes

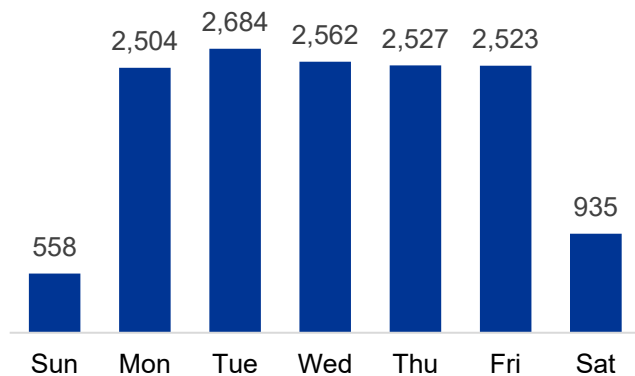


Both charts include all party types involved in a truck / bus involved crash (driver, passenger, pedestrian, bicyclist or engineer (train)). Only fatal and injured persons are included in the restraint use statistics.

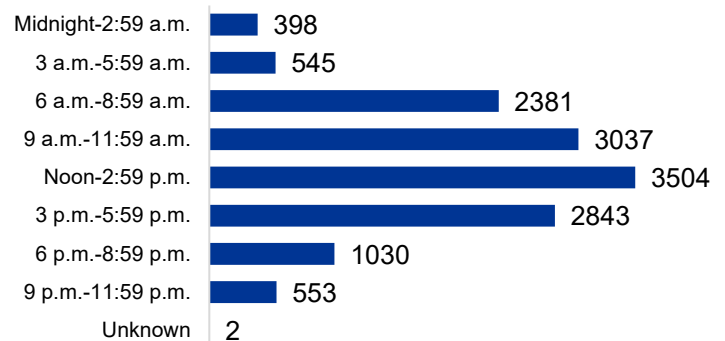
Truck / Bus Involved Traffic Crashes by Month



Truck / Bus Involved Traffic Crashes by Day of Week



Truck / Bus Involved Traffic Crashes by Time of Day



Truck / Bus Involved Crashes by County

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Alcona County	12	0	0	1	1	11
Alger County	12	0	0	0	0	12
Allegan County	268	0	0	49	60	219
Alpena County	26	0	0	9	18	17
Antrim County	25	0	0	5	6	20
Arenac County	16	0	0	4	5	12
Baraga County	12	0	0	1	2	11
Barry County	46	0	0	14	23	32

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Bay County	88	0	0	15	18	73
Benzie County	16	0	0	3	3	13
Berrien County	307	3	3	64	86	240
Branch County	76	0	0	12	14	64
Calhoun County	243	2	2	36	47	205
Cass County	50	1	1	5	8	44
Charlevoix County	21	1	1	3	6	17
Cheboygan County	30	0	0	3	3	27
Chippewa County	21	0	0	3	3	18
Clare County	29	0	0	6	6	23
Clinton County	78	0	0	18	20	60
Crawford County	22	0	0	10	12	12
Delta County	42	0	0	8	10	34
Dickinson County	24	1	2	2	4	21
Eaton County	160	2	2	26	30	132
Emmet County	45	1	1	11	12	33
Genesee County	489	3	4	98	136	388
Gladwin County	17	0	0	1	1	16
Gogebic County	7	0	0	2	2	5
Grand Traverse County	143	3	3	16	24	124
Gratiot County	51	0	0	6	8	45
Hillsdale County	46	1	2	6	8	39
Houghton County	32	1	1	4	5	27
Huron County	45	0	0	13	17	32
Ingham County	323	1	1	55	73	267
Ionia County	94	2	2	20	24	72
Iosco County	14	2	3	4	5	8
Iron County	11	0	0	3	3	8
Isabella County	58	0	0	8	9	50
Jackson County	239	1	1	36	51	202
Kalamazoo County	451	3	3	87	120	361
Kalkaska County	32	0	0	4	10	28
Kent County	1,095	7	8	179	228	909
Lake County	9	0	0	0	0	9
Lapeer County	95	2	2	23	26	70
Leelanau County	15	0	0	0	0	15
Lenawee County	116	1	1	26	32	89
Livingston County	206	0	0	34	45	172

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Luce County	4	1	1	0	0	3
Mackinac County	25	0	0	3	5	22
Macomb County	1,243	4	5	207	276	1,032
Manistee County	17	0	0	0	0	17
Marquette County	61	0	0	10	12	51
Mason County	32	0	0	4	8	28
Mecosta County	54	0	0	8	8	46
Menominee County	26	0	0	8	11	18
Midland County	71	2	3	9	13	60
Missaukee County	20	0	0	2	3	18
Monroe County	341	0	0	66	90	275
Montcalm County	58	2	2	14	19	42
Montmorency County	11	0	0	2	3	9
Muskegon County	156	1	1	20	28	135
Newaygo County	27	1	1	4	6	22
Oakland County	1,769	3	3	288	384	1,478
Oceana County	29	0	0	3	3	26
Ogemaw County	17	3	3	3	6	11
Ontonagon County	8	0	0	0	0	8
Osceola County	41	1	1	6	7	34
Oscoda County	6	1	1	0	1	5
Otsego County	39	0	0	6	6	33
Ottawa County	405	3	4	77	105	325
Presque Isle County	8	0	0	2	2	6
Roscommon County	31	1	1	8	9	22
Saginaw County	223	1	1	32	52	190
Sanilac County	40	1	1	6	9	33
Schoolcraft County	13	0	0	0	0	13
Shiawassee County	87	1	1	18	23	68
St. Clair County	159	1	1	29	37	129
St. Joseph County	81	0	0	17	22	64
Tuscola County	51	1	1	11	36	39
Van Buren County	142	5	6	28	39	109
Washtenaw County	560	3	4	86	125	471
Wayne County	3,128	17	17	570	784	2,541
Wexford County	53	2	2	7	13	44
Total:	14,293	93	103	2,487	3,369	11,713

2021 School Bus Involved Crashes

Description: A school bus crash is documented on the UD-10 in situations where a school bus is related to the crash in any way. This includes where the school bus was a contact vehicle or where other units crash due to the presence and influence of a school bus, even though the bus itself was not a contact unit.

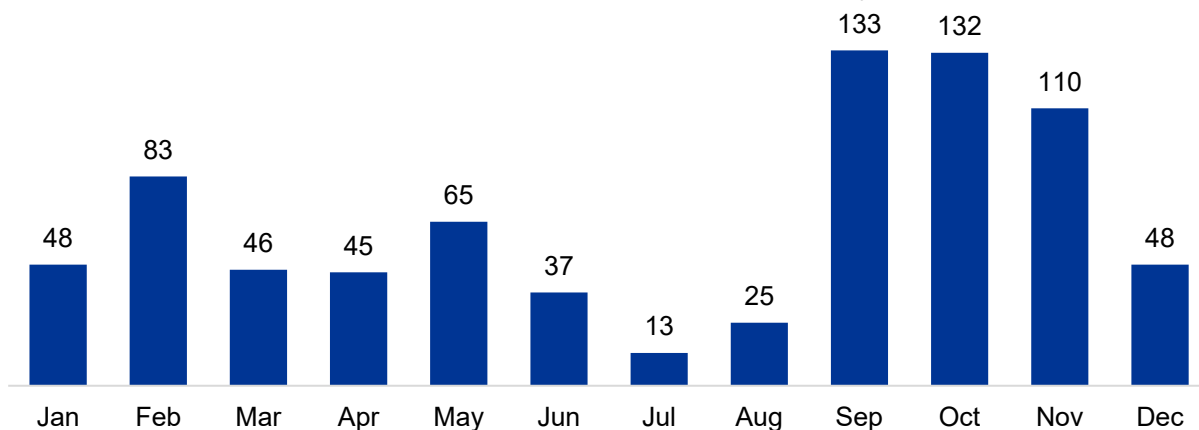
2021 Summary:

- School bus involved crashes increased 70 percent, from 461 in 2020 to 785 in 2021.
- Fatalities involving a school bus also increased from 0 in 2020 to 4 in 2021.
- September had the highest number of school bus involved crashes with 133, while October had 132 such crashes.
- Mondays had the highest number of school bus involved crashes.
- The majority of school bus involved crashes occurred between 6 a.m. and 8:59 a.m.

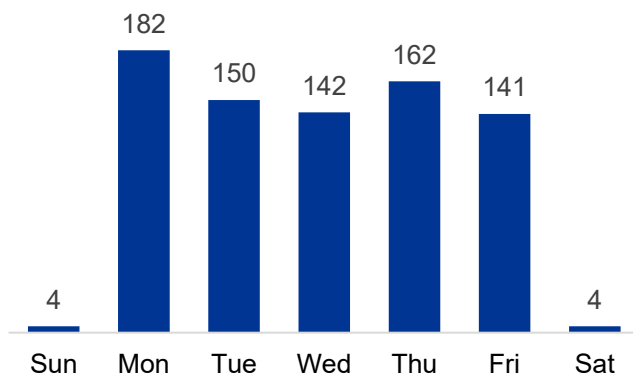
School Bus Involved Traffic Crash Statistics for 2017-2021

	2017	2018	2019	2020	2021
Total School Bus Involved Crashes	1,053	1,073	1,197	461	785
Total School Bus Involved Fatal Crashes	3	4	6	0	4
Total School Bus Involved Fatalities	4	5	6	0	4

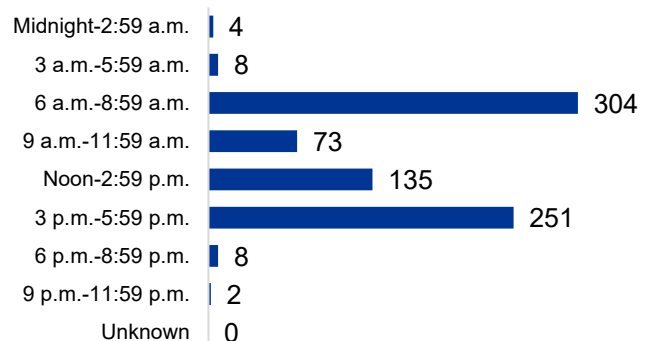
School Bus Involved Traffic Crashes by Month



School Bus Involved Traffic Crashes by Day of Week



School Bus Involved Traffic Crashes by Time of Day



School Bus Involved Crashes by County

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Alger County	4	0	0	0	0	4
Allegan County	10	0	0	3	7	7
Alpena County	1	0	0	1	3	0
Antrim County	1	0	0	0	0	1
Arenac County	2	0	0	0	0	2
Barry County	5	0	0	0	0	5
Bay County	5	0	0	1	1	4
Benzie County	1	0	0	0	0	1
Berrien County	10	0	0	1	1	9
Branch County	5	0	0	1	1	4
Calhoun County	14	0	0	2	4	12
Cass County	6	0	0	0	0	6
Charlevoix County	1	0	0	1	1	0
Cheboygan County	1	0	0	0	0	1
Clinton County	3	0	0	0	0	3
Delta County	2	0	0	0	0	2
Dickinson County	2	0	0	0	0	2
Eaton County	9	1	1	1	1	7
Genesee County	41	0	0	7	10	34
Gladwin County	3	0	0	1	1	2
Grand Traverse County	16	0	0	4	4	12
Gratiot County	2	0	0	0	0	2
Hillsdale County	2	0	0	0	0	2
Houghton County	3	0	0	0	0	3
Huron County	1	0	0	0	0	1
Ingham County	10	0	0	3	6	7
Ionia County	4	0	0	1	1	3
Jackson County	17	0	0	2	3	15
Kalamazoo County	36	0	0	4	5	32
Kalkaska County	3	0	0	1	1	2
Kent County	49	0	0	8	10	41
Lapeer County	10	0	0	3	4	7
Leelanau County	1	0	0	0	0	1
Lenawee County	5	0	0	2	2	3
Livingston County	11	0	0	0	0	11
Macomb County	92	0	0	7	10	85

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Manistee County	1	0	0	0	0	1
Marquette County	8	0	0	1	3	7
Mason County	2	0	0	0	0	2
Mecosta County	1	0	0	0	0	1
Menominee County	1	0	0	1	1	0
Midland County	10	0	0	1	1	9
Missaukee County	1	0	0	0	0	1
Monroe County	15	0	0	3	8	12
Montcalm County	3	0	0	2	2	1
Muskegon County	15	0	0	3	3	12
Newaygo County	2	0	0	1	1	1
Oakland County	84	0	0	6	6	78
Oceana County	1	0	0	0	0	1
Ogemaw County	1	0	0	1	2	0
Ontonagon County	3	0	0	0	0	3
Otsego County	2	0	0	0	0	2
Ottawa County	40	0	0	10	20	30
Presque Isle County	1	0	0	1	1	0
Saginaw County	18	1	1	2	4	15
Sanilac County	3	0	0	1	1	2
Shiawassee County	4	0	0	1	1	3
St. Clair County	13	0	0	2	6	11
St. Joseph County	3	0	0	1	1	2
Tuscola County	3	0	0	2	23	1
Van Buren County	10	0	0	2	3	8
Washtenaw County	12	0	0	3	3	9
Wayne County	138	2	2	17	35	119
Wexford County	2	0	0	1	2	1
Total:	785	4	4	116	203	665

2021 Train Involved Crashes

Description: The State of Michigan requires that all crashes involving a train and other motor vehicles be reported on a UD-10. The Michigan Department of Transportation reported that there are currently 29 railroads operating either wholly or partially in Michigan.

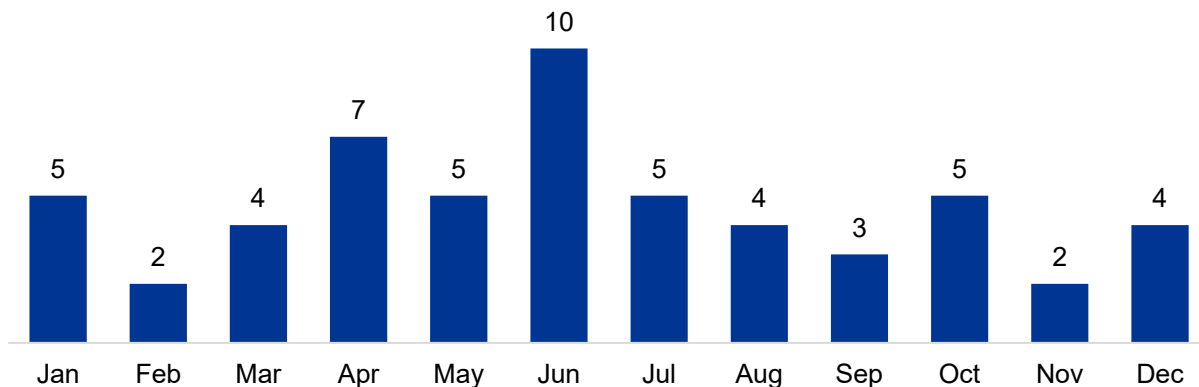
2021 Summary:

- Train involved crashes increased 60 percent, from 35 in 2020 to 56 in 2021.
- Fatalities involving a train also increased from 0 in 2020 to 3 in 2021.
- There were two traffic crashes involving the Q-LINE (streetcar) in 2020 and four Q-LINE (streetcar) crashes in 2021.
- Wednesdays had the highest number of train involved crashes.
- The majority of train involved crashes occurred between 3 p.m. and 8:59 p.m.

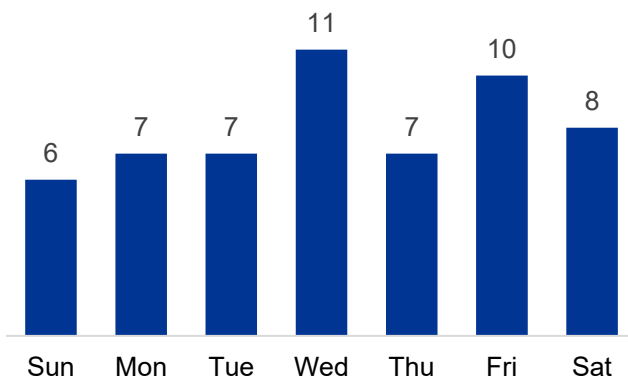
Train Involved Traffic Crash Statistics for 2017-2021

	2017	2018	2019	2020	2021
Total Train Involved Crashes	51	72	53	35	56
Total Train Involved Fatal Crashes	2	0	4	0	3
Total Train Involved Fatalities	2	0	7	0	3

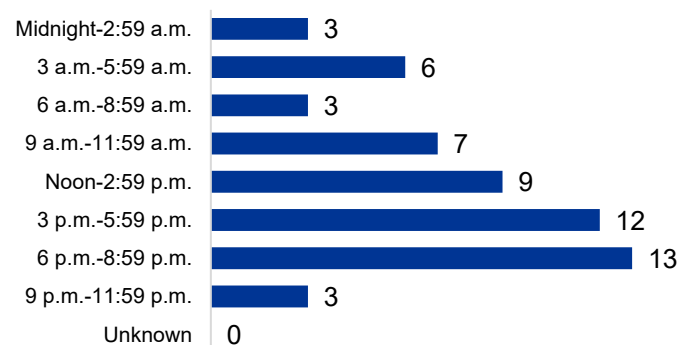
Train Involved Traffic Crashes by Month



Train Involved Traffic Crashes by Day of Week



Train Involved Traffic Crashes by Time of Day



Train Involved Crashes by County

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Allegan County	2	1	1	1	1	0
Berrien County	1	0	0	1	1	0
Calhoun County	2	0	0	0	0	2
Cass County	1	0	0	1	1	0
Chippewa County	1	0	0	0	0	1
Crawford County	1	0	0	0	0	1
Dickinson County	2	1	1	0	0	1
Eaton County	1	0	0	0	0	1
Genesee County	2	0	0	1	1	1
Gratiot County	1	0	0	0	0	1
Hillsdale County	1	0	0	0	0	1
Huron County	1	0	0	1	1	0
Ingham County	1	0	0	1	1	0
Iron County	1	0	0	1	1	0
Isabella County	1	0	0	0	0	1
Kent County	2	0	0	0	0	2
Lenawee County	1	0	0	1	1	0
Macomb County	1	0	0	0	0	1
Midland County	1	0	0	0	0	1
Monroe County	4	0	0	1	1	3
Oakland County	3	0	0	1	2	2
Ottawa County	1	0	0	0	0	1
Roscommon County	1	0	0	0	0	1
Saginaw County	1	0	0	0	0	1
St. Clair County	2	0	0	1	1	1
St. Joseph County	1	0	0	0	0	1
Tuscola County	1	0	0	0	0	1
Washtenaw County	1	0	0	0	0	1
Wayne County	17	1	1	8	12	8
Total:	56	3	3	19	24	34

2021 Work Zone Involved Crashes

Description: This is used to capture the type of work zone that the crash occurred in, if constructions workers were present, the type of activity that was being performed within the work zone such as lane closures, shoulder work, etc. and where, within the work zone, the crash occurred.

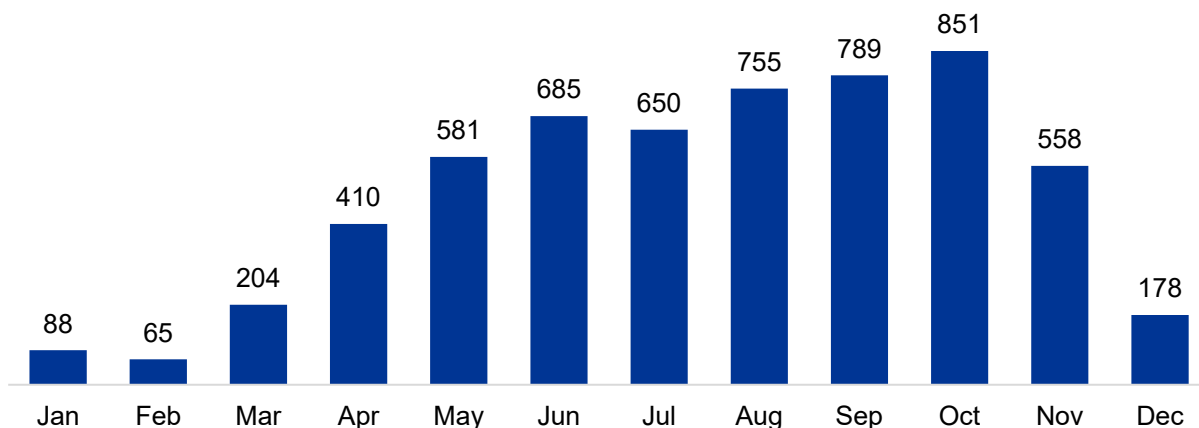
2021 Summary:

- There was a 44 percent increase, from 4,035 in 2020 to 5,814 in 2021, for all work zone involved crashes.
- Work zone involved fatalities increased 43 percent, from 14 in 2020 to 20 in 2021.
- October had the highest number of work zone involved crashes with 851 crashes.
- The weekdays had the highest number of work zone involved crashes.
- The majority of work zone involved crashes occurred between noon and 5:59 p.m.

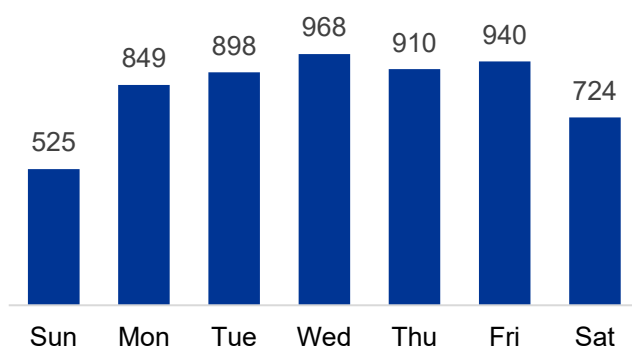
Work Zone Involved Traffic Crash Statistics for 2017-2021

	2017	2018	2019	2020	2021
Total Work Zone Involved Crashes	4,341	4,926	5,808	4,035	5,814
Total Work Zone Involved Fatal Crashes	23	15	16	11	19
Total Work Zone Involved Fatalities	25	16	17	14	20

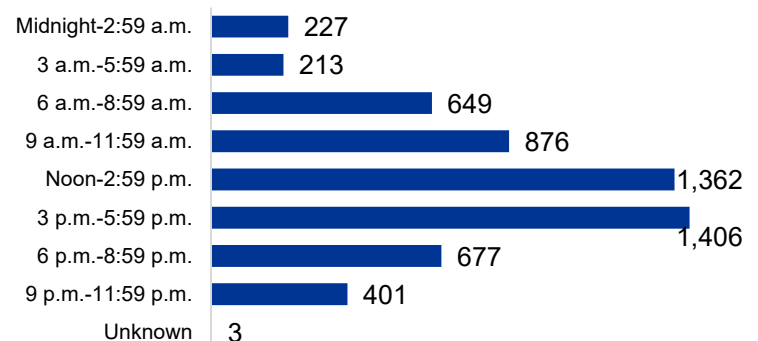
Work Zone Involved Traffic Crashes by Month



Work Zone Involved Traffic Crashes by Day of Week



Work Zone Involved Traffic Crashes by Time of Day



Work Zone Involved Crashes by County

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Alger County	3	0	0	0	0	3
Allegan County	132	2	2	15	16	115
Alpena County	2	0	0	1	1	1
Arenac County	1	0	0	0	0	1
Baraga County	8	0	0	2	4	6
Barry County	23	0	0	6	14	17
Bay County	44	0	0	8	11	36
Benzie County	5	0	0	1	1	4
Berrien County	135	1	1	25	34	109
Branch County	20	0	0	3	4	17
Calhoun County	42	0	0	10	18	32
Cass County	4	0	0	1	1	3
Charlevoix County	18	0	0	5	5	13
Cheboygan County	5	0	0	3	4	2
Chippewa County	10	0	0	2	2	8
Clare County	14	0	0	3	5	11
Clinton County	42	0	0	8	11	34
Crawford County	1	0	0	0	0	1
Delta County	5	0	0	0	0	5
Dickinson County	2	0	0	1	1	1
Eaton County	95	0	0	20	23	75
Emmet County	1	0	0	0	0	1
Genesee County	352	1	1	61	83	290
Gladwin County	3	0	0	0	0	3
Gogebic County	6	0	0	2	5	4
Grand Traverse County	34	0	0	4	5	30
Gratiot County	5	0	0	1	1	4
Hillsdale County	2	0	0	0	0	2
Houghton County	18	0	0	4	5	14
Huron County	2	0	0	0	0	2
Ingham County	144	0	0	26	33	118
Ionia County	43	0	0	9	13	34
Iosco County	5	1	2	1	3	3
Iron County	2	1	1	0	1	1
Isabella County	9	0	0	1	1	8
Jackson County	167	0	0	26	39	141

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Kalamazoo County	153	1	1	23	28	129
Kalkaska County	5	0	0	4	6	1
Kent County	347	0	0	56	69	291
Keweenaw County	1	0	0	1	1	0
Lapeer County	20	0	0	6	6	14
Leelanau County	1	0	0	0	0	1
Lenawee County	4	0	0	2	2	2
Livingston County	26	1	1	5	5	20
Mackinac County	3	0	0	3	4	0
Macomb County	844	1	1	155	212	688
Manistee County	3	0	0	0	0	3
Marquette County	58	0	0	13	15	45
Mason County	10	0	0	3	3	7
Mecosta County	5	0	0	1	1	4
Menominee County	1	0	0	0	0	1
Midland County	15	0	0	1	1	14
Monroe County	63	1	1	11	24	51
Montcalm County	3	0	0	0	0	3
Muskegon County	27	0	0	5	5	22
Newaygo County	5	0	0	0	0	5
Oakland County	1,038	0	0	202	268	836
Oceana County	2	0	0	0	0	2
Ogemaw County	2	0	0	1	1	1
Ontonagon County	3	0	0	1	2	2
Osceola County	3	0	0	1	1	2
Oscoda County	3	0	0	0	0	3
Otsego County	2	0	0	0	0	2
Ottawa County	114	3	3	11	18	100
Presque Isle County	2	0	0	0	0	2
Roscommon County	1	0	0	0	0	1
Saginaw County	132	2	2	19	28	111
Sanilac County	4	0	0	0	0	4
Schoolcraft County	2	1	1	1	2	0
Shiawassee County	7	0	0	1	2	6
St. Clair County	19	0	0	4	5	15
St. Joseph County	8	0	0	2	2	6
Tuscola County	5	0	0	1	1	4
Van Buren County	12	1	1	2	5	9

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Washtenaw County	212	0	0	35	43	177
Wayne County	1,240	2	2	263	346	975
Wexford County	5	0	0	1	1	4
Total:	5,814	19	20	1,083	1,451	4,712

2021 Police–Ambulance–Fire Involved Crashes

Description: Police, Ambulance and Fire vehicles are entered as special vehicles on the UD-10. Police is selected if the vehicle is owned by a government law enforcement agency and in all cases where the vehicle is being used for routine patrol, in pursuit of a fleeing vehicle, or responding to an emergency call. Fire is selected only when the vehicle is owned by a fire department (including volunteer fire department) and ambulance is selected when the vehicle is a privately or publicly owned ambulance.

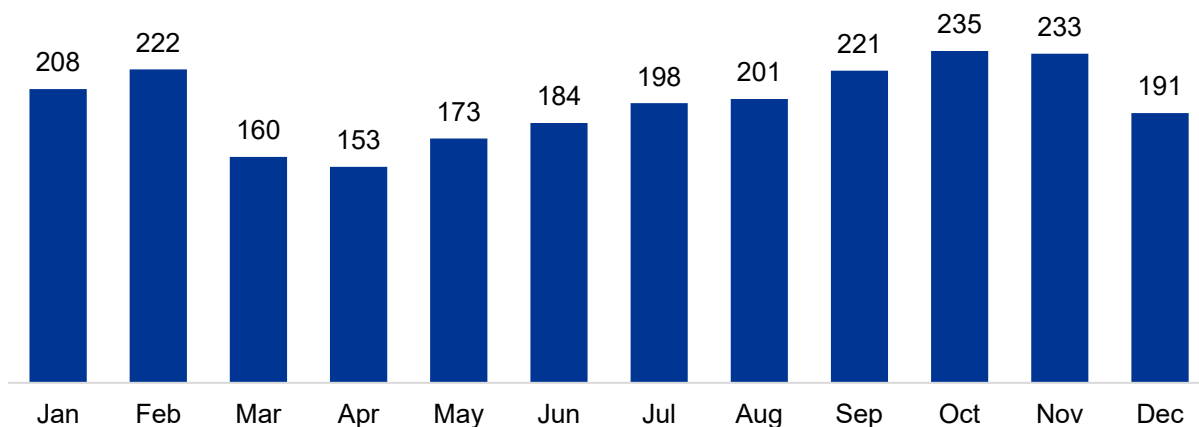
2021 Summary:

- Police-Ambulance-Fire involved fatalities decreased 50 percent, from 4 in 2020 to 2 in 2021.
- October had the highest number of Police-Ambulance-Fire involved crashes with 235 crashes.
- Wednesdays had the highest number of Police-Ambulance-Fire involved crashes.
- The majority of Police-Ambulance-Fire involved crashes occurred between 3 p.m. and 11:59 p.m.

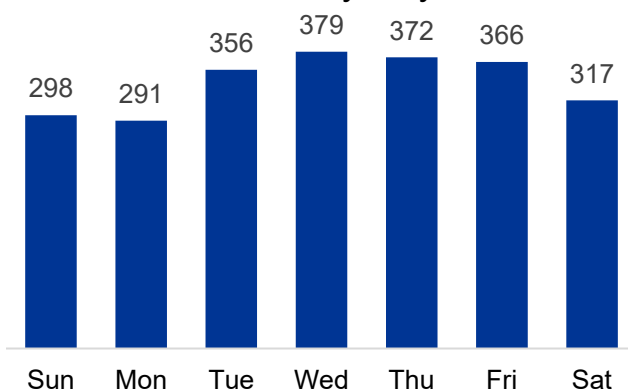
Police – Ambulance – Fire Involved Traffic Crash Statistics for 2017-2021

	2017	2018	2019	2020	2021
Total Police-Ambulance-Fire Involved Crashes	2,494	2,525	2,486	2,245	2,379
Total Police-Ambulance-Fire Involved Fatal Crashes	11	6	3	4	2
Total Police-Ambulance-Fire Involved Fatalities	11	6	4	4	2

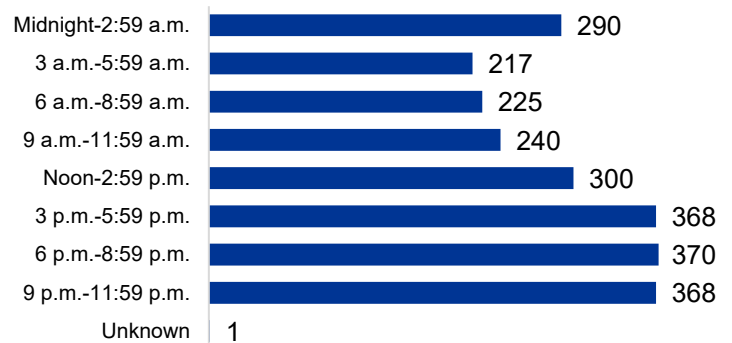
Police-Ambulance-Fire Involved Traffic Crashes by Month



Police-Ambulance-Fire Involved Traffic Crashes by Day of Week



Police-Ambulance-Fire Involved Traffic Crashes by Time of Day



Police-Ambulance-Fire Involved Crashes by County

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Alcona County	10	0	0	2	2	8
Alger County	2	0	0	0	0	2
Allegan County	32	0	0	4	4	28
Alpena County	12	0	0	3	5	9
Antrim County	12	0	0	2	2	10
Arenac County	4	0	0	0	0	4
Baraga County	4	0	0	1	1	3
Barry County	11	0	0	1	1	10
Bay County	18	0	0	6	10	12
Benzie County	6	0	0	0	0	6
Berrien County	44	0	0	6	8	38
Branch County	17	0	0	0	0	17
Calhoun County	50	0	0	7	10	43
Cass County	15	0	0	3	6	12
Charlevoix County	9	0	0	1	4	8
Cheboygan County	7	0	0	1	1	6
Chippewa County	15	0	0	1	1	14
Clare County	8	0	0	1	4	7
Clinton County	15	0	0	1	1	14
Crawford County	5	0	0	0	0	5
Delta County	12	0	0	0	0	12
Dickinson County	9	0	0	2	2	7
Eaton County	30	0	0	3	5	27
Emmet County	12	0	0	1	1	11
Genesee County	104	0	0	19	33	85
Gladwin County	10	0	0	1	2	9
Gogebic County	4	0	0	0	0	4
Grand Traverse County	20	0	0	3	3	17
Gratiot County	10	0	0	1	2	9
Hillsdale County	22	0	0	2	2	20
Houghton County	13	0	0	1	1	12
Huron County	12	0	0	0	0	12
Ingham County	85	0	0	13	16	72
Ionia County	11	0	0	1	1	10
Iosco County	9	0	0	1	2	8
Iron County	12	0	0	0	0	12

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Isabella County	16	0	0	0	0	16
Jackson County	39	0	0	3	5	36
Kalamazoo County	64	0	0	6	8	58
Kalkaska County	1	0	0	0	0	1
Kent County	92	0	0	9	14	83
Lake County	6	0	0	0	0	6
Lapeer County	25	0	0	1	2	24
Leelanau County	4	0	0	1	1	3
Lenawee County	17	0	0	3	4	14
Livingston County	34	0	0	2	2	32
Luce County	1	0	0	0	0	1
Mackinac County	7	0	0	0	0	7
Macomb County	112	0	0	27	43	85
Manistee County	10	0	0	0	0	10
Marquette County	18	0	0	2	3	16
Mason County	15	0	0	2	2	13
Mecosta County	14	0	0	2	5	12
Menominee County	6	0	0	0	0	6
Midland County	20	0	0	3	3	17
Missaukee County	9	0	0	1	1	8
Monroe County	27	0	0	4	7	23
Montcalm County	23	0	0	0	0	23
Montmorency County	7	0	0	0	0	7
Muskegon County	39	0	0	5	9	34
Newaygo County	19	0	0	3	8	16
Oakland County	215	0	0	27	41	188
Oceana County	14	0	0	0	0	14
Ogemaw County	10	0	0	1	2	9
Ontonagon County	2	0	0	0	0	2
Osceola County	10	0	0	0	0	10
Oscoda County	2	0	0	0	0	2
Otsego County	4	0	0	0	0	4
Ottawa County	38	0	0	9	10	29
Presque Isle County	3	0	0	0	0	3
Roscommon County	17	0	0	1	1	16
Saginaw County	46	0	0	11	14	35
Sanilac County	3	0	0	0	0	3
Schoolcraft County	2	0	0	0	0	2

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Shiawassee County	16	0	0	0	0	16
St. Clair County	30	0	0	4	6	26
St. Joseph County	20	0	0	3	3	17
Tuscola County	14	0	0	2	2	12
Van Buren County	20	0	0	3	5	17
Washtenaw County	64	0	0	11	21	53
Wayne County	544	2	2	122	233	420
Wexford County	9	0	0	0	0	9
Total:	2,379	2	2	356	585	2,021

2021 Fleeing the Police Involved Crashes

Description: If a police pursuit situation causes a traffic crash, it is documented on the UD-10 as fleeing the police. Examples of fleeing that are documented on the UD-10 are a patrol car colliding with the vehicle it is pursuing, the pursued vehicle colliding with another vehicle, the pursued vehicle causing two vehicles unrelated to the pursuit to collide, etc.

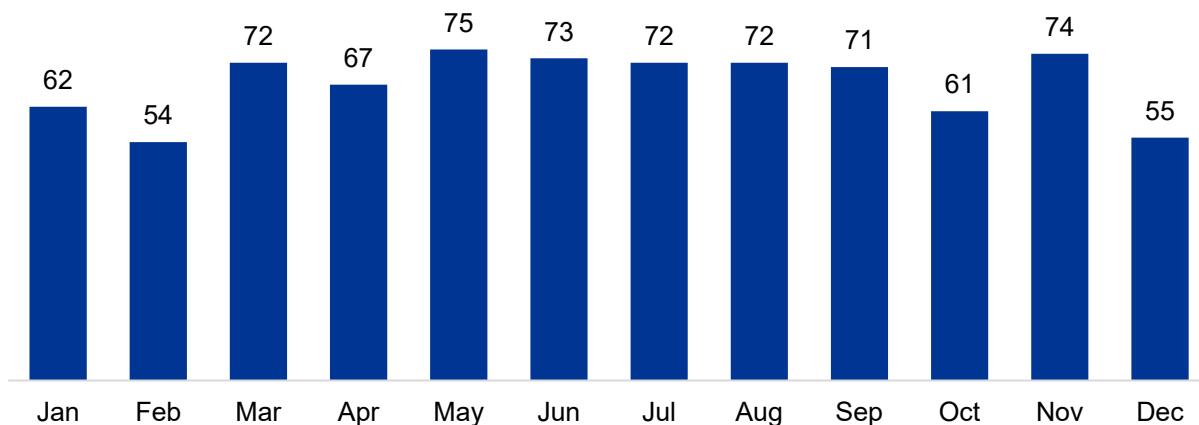
2021 Summary:

- Fleeing police involved fatalities decreased 25 percent, from 15 in 2020 to 9 in 2021.
- May had the highest number of fleeing police involved crashes with 75 crashes.
- Fridays had the highest number of fleeing police involved crashes.
- The majority of fleeing police involved crashes occurred between 9 p.m. and 2:59 a.m.

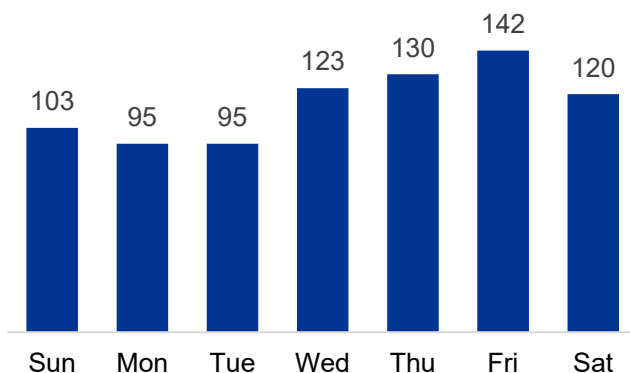
Fleeing Police Involved Traffic Crash Statistics for 2017-2021

	2017	2018	2019	2020	2021
Total Fleeing Police Involved Crashes	608	576	550	682	808
Total Fleeing Police Involved Fatal Crashes	16	12	8	15	9
Total Fleeing Police Involved Fatalities	20	14	11	15	9

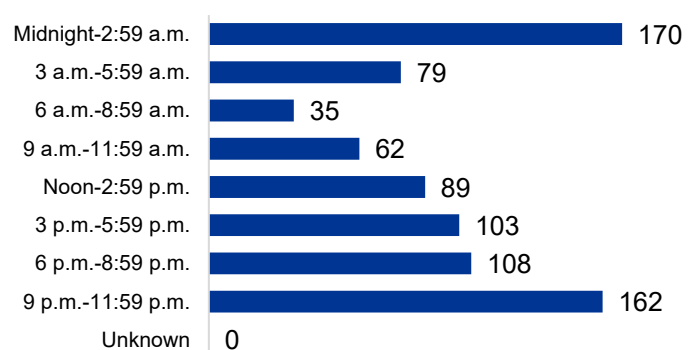
Fleeing Police Involved Traffic Crashes by Month



Fleeing Police Involved Traffic Crashes by Day of Week



Fleeing Police Involved Traffic Crashes by Time of Day



Fleeing Police Involved Crashes by County

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Alcona County	1	0	0	1	1	0
Allegan County	16	0	0	7	11	9
Alpena County	1	0	0	1	1	0
Antrim County	2	0	0	1	1	1
Arenac County	3	0	0	0	0	3
Barry County	3	0	0	2	3	1
Bay County	3	0	0	3	6	0
Benzie County	1	0	0	0	0	1
Berrien County	20	0	0	4	5	16
Branch County	9	0	0	2	2	7
Calhoun County	7	0	0	5	7	2
Cass County	5	0	0	3	3	2
Charlevoix County	1	0	0	1	1	0
Chippewa County	1	0	0	0	0	1
Clare County	1	0	0	0	0	1
Clinton County	3	0	0	2	2	1
Crawford County	2	0	0	0	0	2
Dickinson County	2	0	0	0	0	2
Eaton County	8	0	0	5	5	3
Emmet County	3	1	1	1	2	1
Genesee County	36	0	0	12	15	24
Gladwin County	2	0	0	0	0	2
Grand Traverse County	4	0	0	2	2	2
Gratiot County	3	0	0	1	1	2
Hillsdale County	1	0	0	1	3	0
Houghton County	1	0	0	1	1	0
Ingham County	29	0	0	11	19	18
Ionia County	2	0	0	0	0	2
Iron County	1	0	0	1	1	0
Isabella County	8	0	0	1	1	7
Jackson County	13	0	0	5	8	8
Kalamazoo County	42	0	0	12	15	30
Kent County	49	1	1	15	21	33
Lake County	2	0	0	0	0	2
Lapeer County	4	0	0	2	5	2
Leelanau County	2	0	0	1	1	1

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Lenawee County	3	0	0	1	1	2
Livingston County	6	0	0	2	3	4
Macomb County	62	2	2	17	31	43
Marquette County	4	0	0	1	1	3
Mason County	1	0	0	1	1	0
Mecosta County	3	0	0	1	1	2
Missaukee County	1	0	0	0	0	1
Monroe County	9	0	0	4	4	5
Montcalm County	6	0	0	0	0	6
Muskegon County	17	1	1	8	9	8
Newaygo County	2	0	0	1	1	1
Oakland County	72	1	1	21	35	50
Oceana County	4	0	0	1	2	3
Osceola County	1	0	0	1	1	0
Oscoda County	1	0	0	0	0	1
Otsego County	1	0	0	1	1	0
Ottawa County	19	0	0	10	14	9
Roscommon County	1	0	0	0	0	1
Saginaw County	16	0	0	4	7	12
Sanilac County	1	0	0	0	0	1
Shiawassee County	3	0	0	2	2	1
St. Clair County	6	0	0	3	3	3
St. Joseph County	15	0	0	10	12	5
Tuscola County	3	0	0	1	1	2
Van Buren County	7	0	0	2	3	5
Washtenaw County	21	0	0	8	11	13
Wayne County	229	3	3	78	126	148
Wexford County	3	0	0	2	2	1
Total:	808	9	9	283	415	516

2021 Farm Equipment Involved Crashes

Description: Farm Equipment is considered a special vehicle when involved in a crash and documented on the UD-10. Farm Equipment is selected if the vehicle is an implement of husbandry that cannot be registered with the Secretary of State (i.e., farm tractors and combines). Implement of husbandry includes a farm tractor, self-propelled application-type vehicle, farm wagon, farm trailer, a vehicle or trailer adapted for lifting or carrying another implement of husbandry, or any substantially similar equipment used to transport products necessary for agriculture production.

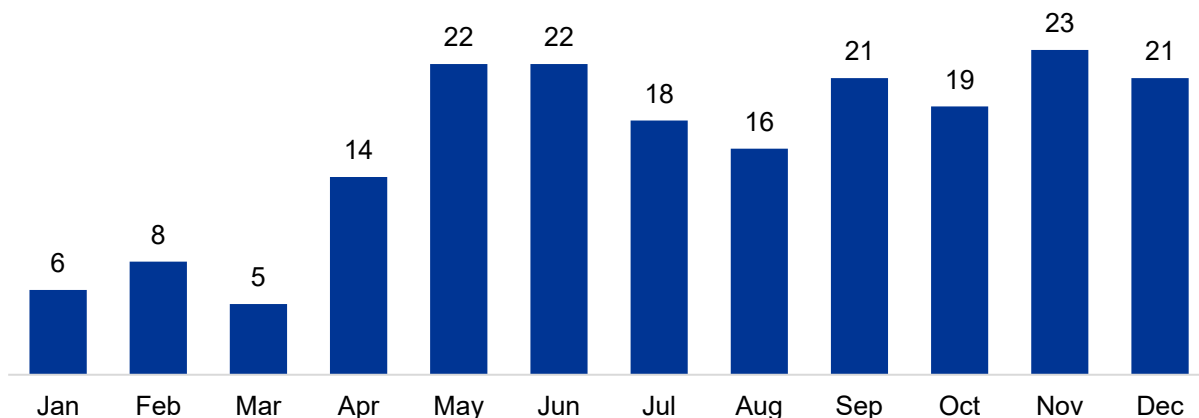
2021 Summary:

- Farm equipment involved fatalities remained the same with 5 in 2020 to 5 in 2021.
- November had the highest number of farm equipment involved crashes with 23 crashes.
- Mondays and Tuesdays had the highest number of farm equipment involved crashes.
- The majority of farm equipment involved crashes occurred between noon and 5:59 p.m.

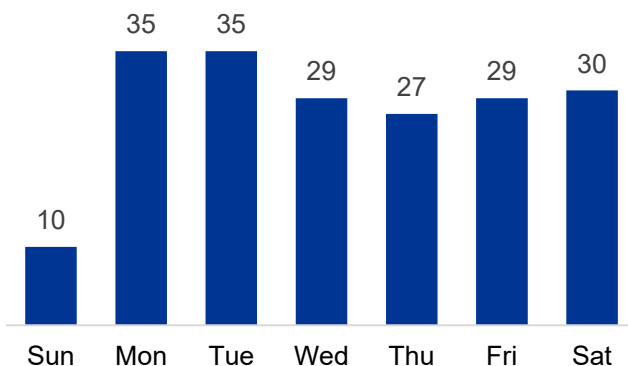
Farm Equipment Involved Traffic Crash Statistics for 2017-2021

	2017	2018	2019	2020	2021
Total Farm Equipment Involved Crashes	223	206	232	181	195
Total Farm Equipment Involved Fatal Crashes	1	2	5	5	5
Total Farm Equipment Involved Fatalities	1	2	6	5	5

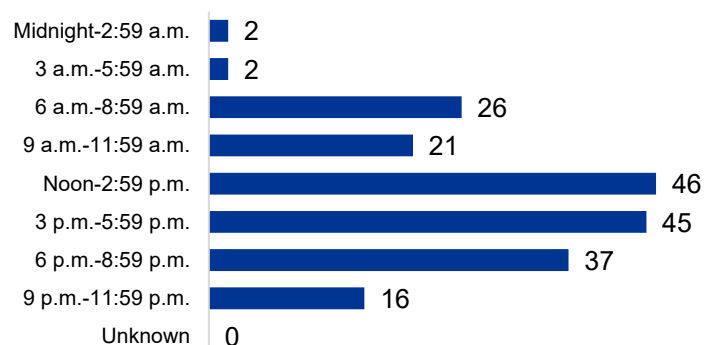
Farm Equipment Involved Traffic Crashes by Month



Farm Equipment Involved Traffic Crashes by Day of Week



Farm Equipment Involved Traffic Crashes by Time of Day



Farm Equipment Involved Crashes by County

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Alcona County	1	0	0	1	1	0
Allegan County	16	0	0	7	11	9
Alpena County	1	0	0	1	1	0
Antrim County	2	0	0	1	1	1
Arenac County	3	0	0	0	0	3
Barry County	3	0	0	2	3	1
Bay County	3	0	0	3	6	0
Benzie County	1	0	0	0	0	1
Berrien County	20	0	0	4	5	16
Branch County	9	0	0	2	2	7
Calhoun County	7	0	0	5	7	2
Cass County	5	0	0	3	3	2
Charlevoix County	1	0	0	1	1	0
Chippewa County	1	0	0	0	0	1
Clare County	1	0	0	0	0	1
Clinton County	3	0	0	2	2	1
Crawford County	2	0	0	0	0	2
Dickinson County	2	0	0	0	0	2
Eaton County	8	0	0	5	5	3
Emmet County	3	1	1	1	2	1
Genesee County	36	0	0	12	15	24
Gladwin County	2	0	0	0	0	2
Grand Traverse County	4	0	0	2	2	2
Gratiot County	3	0	0	1	1	2
Hillsdale County	1	0	0	1	3	0
Houghton County	1	0	0	1	1	0
Ingham County	29	0	0	11	19	18
Ionia County	2	0	0	0	0	2
Iron County	1	0	0	1	1	0
Isabella County	8	0	0	1	1	7
Jackson County	13	0	0	5	8	8
Kalamazoo County	42	0	0	12	15	30
Kent County	49	1	1	15	21	33
Lake County	2	0	0	0	0	2
Lapeer County	4	0	0	2	5	2
Leelanau County	2	0	0	1	1	1

County	Total Crashes	Fatal Crashes	Fatalities	Injury Crashes	Injuries	Property Damage Crashes
Lenawee County	3	0	0	1	1	2
Livingston County	6	0	0	2	3	4
Macomb County	62	2	2	17	31	43
Marquette County	4	0	0	1	1	3
Mason County	1	0	0	1	1	0
Mecosta County	3	0	0	1	1	2
Missaukee County	1	0	0	0	0	1
Monroe County	9	0	0	4	4	5
Montcalm County	6	0	0	0	0	6
Muskegon County	17	1	1	8	9	8
Newaygo County	2	0	0	1	1	1
Oakland County	72	1	1	21	35	50
Oceana County	4	0	0	1	2	3
Osceola County	1	0	0	1	1	0
Oscoda County	1	0	0	0	0	1
Otsego County	1	0	0	1	1	0
Ottawa County	19	0	0	10	14	9
Roscommon County	1	0	0	0	0	1
Saginaw County	16	0	0	4	7	12
Sanilac County	1	0	0	0	0	1
Shiawassee County	3	0	0	2	2	1
St. Clair County	6	0	0	3	3	3
St. Joseph County	15	0	0	10	12	5
Tuscola County	3	0	0	1	1	2
Van Buren County	7	0	0	2	3	5
Washtenaw County	21	0	0	8	11	13
Wayne County	229	3	3	78	126	148
Wexford County	3	0	0	2	2	1
Total:	808	9	9	283	415	516



Michigan Traffic Crash Decade-At-A-Glance

Produced by the Traffic Crash Reporting Unit

	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
Total Crashes	282,640	245,432	314,377	312,798	314,921	312,172	297,023	298,699	289,061	273,891	284,049
Total Injuries	71,246	60,986	74,963	75,838	78,394	79,724	74,157	71,378	71,031	70,519	71,796
Total A Injuries	5,979	5,433	5,629	5,586	6,084	5,634	4,865	4,909	5,283	5,676	5,706
Total Fatalities	1,131	1,083	985	974	1,028	1,064	963	876	951	936	889
Fatal Crashes	1,068	1,010	902	905	937	980	893	806	881	870	834
Fatality Rate per 100m VMT**		1.3	1.0	1.0	1.0	1.1	1.0	0.9	1.0	1.0	0.9
Fatal Crash Rate per 100m VMT**		1.2	0.9	0.9	0.9	1.0	0.9	0.8	0.9	0.9	0.9
Fatality Restraint Use*	45.3%	43.2%	51.7%	54.7%	53.0%	52.3%	52.5%	50.7%	53.3%	50.3%	53.4%
Alc/Drug-Inv Fatal Crashes	475	422	378	394	421	378	346	291	316	314	297
% of Alc/Drug-Inv Fatal Crashes to total fatal crashes	44.5%	41.8%	41.9%	43.5%	44.9%	38.6%	38.7%	36.1%	35.9%	36.1%	35.6%
Alcohol/Drug-Inv Fatalities	505	453	419	434	470	412	384	319	354	342	319
% of Alc/Drug-Inv Fatalities to total fatalities	44.7%	41.8%	42.5%	44.6%	45.7%	38.7%	39.9%	36.4%	37.2%	36.5%	35.9%
Alcohol Inv Fatal Crashes	336	303	266	287	320	251	271	222	257	260	253
Alcohol Inv Fatalities	357	326	295	315	359	271	303	236	284	281	274
Drug Inv Fatal Crashes	259	250	214	220	221	213	159	131	142	119	119
Drug Inv Fatalities	275	267	237	247	246	236	179	150	165	135	127
OUIL Arrests (all agencies)	27,506	25,820	30,626	31,856	32,474	32,610	33,720	35,060	35,823	37,182	37,540
Regtd Vehicles (Millions)	9.54	9.00	9.10	8.43	8.48	8.38	8.26	8.19	8.11	8.05	8.09
MVMT (Billions)**		86.3	102.1	102.3	101.7	99	98.1	98.1	95.1	94.3	94.8
Population (Millions)	9.99	9.99	9.99	9.99	9.96	9.93	9.92	9.9	9.88	9.87	9.88

*Restraint use by deceased occupants of motor vehicles equipped with safety belts.

**2013 - VMT, Fatality Rate, and Fatal Crash Rate were updated for all years, using the corresponding year's VMT. The current year VMT will be updated after July when it is published.

Date Created: 4/28/2022

For questions, please contact the Traffic Crash Reporting Unit at 517-241-1699.



Michigan Traffic Crash Fatalities by Year

Produced by the Traffic Crash Reporting Unit

Year	Crashes	Fatalities	Crashes Per Fatal	Year	Crashes	Fatalities	Crashes Per Fatal	Year	Crashes	Fatalities	Crashes Per Fatal	Year	Crashes	Fatalities	Crashes Per Fatal
1943	71,450	992	72	1965	310,598	2,136	145	1987	397,224	1,632	243	2009	290,978	871	334
1944	72,013	1,034	70	1966	302,880	2,298	132	1988	410,437	1,704	241	2010	282,075	937	301
1945	83,160	1,150	72	1967	299,004	2,137	140	1989	417,252	1,630	256	2011	284,049	889	320
1946	110,631	1,470	75	1968	305,495	2,392	128	1990	387,180	1,563	248	2012	273,891	936	293
1947	137,619	1,447	95	1969	331,223	2,487	133	1991	364,847	1,425	256	2013	289,061	951	304
1948	140,172	1,512	93	1970	313,715	2,177	144	1992	344,942	1,300	265	2014	298,699	876	341
1949	143,197	1,441	99	1971	314,015	2,152	146	1993	363,639	1,414	257	2015	297,023	963	308
1950	161,750	1,605	101	1972	359,745	2,258	159	1994	398,080	1,419	281	2016	312,172	1,064	293
1951	176,587	1,640	108	1973	350,864	2,213	159	1995	421,073	1,537	274	2017	314,921	1,028	306
1952	160,829	1,736	93	1974	324,763	1,875	173	1996	435,477	1,505	289	2018	312,798	974	321
1953	184,174	1,905	97	1975	333,560	1,811	184	1997	425,793	1,446	294	2019	314,377	985	319
1954	185,534	1,793	103	1976	365,600	1,955	187	1998	403,766	1,367	295	2020	245,432	1,083	227
1955	196,812	2,016	98	1977	374,751	1,950	192	1999	415,675	1,386	300	2021	282,640	1,131	250
1956	197,995	1,746	113	1978	389,193	2,076	187	2000	424,867	1,382	307				
1957	191,915	1,548	124	1979	366,435	1,849	198	2001	400,813	1,328	302				
1958	177,934	1,382	129	1980	314,594	1,774	177	2002	395,515	1,279	309				
1959	198,771	1,473	135	1981	302,831	1,589	191	2003	391,486	1,283	305				
1960	209,724	1,604	131	1982	294,971	1,417	208	2004	373,028	1,159	322				
1961	199,973	1,567	128	1983	300,797	1,331	226	2005	350,838	1,129	311				
1962	233,078	1,574	148	1984	335,193	1,556	215	2006	315,322	1,084	291				
1963	261,794	1,887	139	1985	386,904	1,569	247	2007	324,174	1,084	299				
1964	284,444	2,122	134	1986	400,694	1,632	246	2008	316,057	980	323				

MICHIGAN STATE POLICE CRIMINAL JUSTICE INFORMATION CENTER



2021 MICHIGAN HOLIDAY TRAFFIC FATALITIES

Prepared by:
Traffic Crash Reporting Unit

Year	Memorial Day		July 4th		Labor Day		Thanksgiving		Christmas		New Year's*	
	Days	Fatalities	Days	Fatalities	Days	Fatalities	Days	Fatalities	Days	Fatalities	Days	Fatalities
1972	3	20	4	48	3	33	4	28	3	26	3	23
1973	3	26	1	13	3	28	4	18	4	13	4	24
1974	3	20	4	34	3	25	4	26	1	9	1	3
1975	3	28	3	27	3	25	4	16	4	17	4	22
1976	3	34	3	19	3	31	4	29	3	17	3	13
1977	3	32	3	34	3	18	4	32	3	14	3	15
1978	3	25	4	23	3	31	4	29	3	31	3	7
1979	3	17	1	12	3	31	4	27	4	29	4	27
1980	3	23	3	25	3	26	4	32	4	23	4	21
1981	3	12	3	22	3	17	4	13	3	15	3	17
1982	3	9	3	30	3	21	4	27	3	19	3	10
1983	3	13	3	22	3	17	4	12	3	5	3	8
1984	3	18	1	8	3	19	4	19	4	20	4	25
1985	3	23	4	17	3	17	4	23	2	9	2	5
1986	3	16	3	23	3	21	4	17	2	9	2	8
1987	3	16	3	18	3	32	4	26	4	8	4	18
1988	3	22	3	20	3	17	4	24	3	14	3	14
1989	3	15	4	23	3	29	4	14	3	27	3	3
1990	3	16	1	10	3	16	4	19	4	18	4	15
1991	3	20	4	20	3	23	4	16	2	6	2	7
1992	3	18	3	20	3	20	4	19	4	20	4	22
1993	3	23	3	14	3	7	4	29	3	9	3	19
1994	3	13	3	19	3	10	4	21	3	23	3	16
1995	3	12	4	19	3	30	4	12	3	16	3	14
1996	3	11	4	27	3	27	4	23	1	6	1	5
1997	3	16	3	16	3	19	4	20	4	13	4	21
1998	3	21	3	16	3	22	4	22	3	8	3	12
1999	3	17	3	15	3	21	4	22	3	16	3	22
2000	3	18	4	21	3	27	4	12	3	11	3	13
2001	3	18	1	10	3	21	4	12	4	10	4	11
2002	3	14	4	30	3	13	4	20	1	0	1	4
2003	3	10	3	15	3	15	4	20	4	9	4	6
2004	3	12	3	14	3	15	4	11	3	11	3	8
2005	3	14	3	20	3	15	4	18	3	7	3	11
2006	3	19	4	15	3	7	4	23	3	2	3	5
2007	3	13	1	4	3	16	4	11	4	11	4	9
2008	3	11	3	14	3	12	4	13	4	14	4	15
2009	3	11	3	1	3	16	4	11	3	3	3	8
2010	3	15	3	8	3	21	4	10	3	6	3	5
2011	3	9	4	8	3	12	4	7	4	8	4	14
2012	3	10	1	4	3	8	4	9	4	9	4	15
2013	3	15	4	19	3	10	4	12	1	3	1	3
2014	3	20	3	12	3	6	4	6	4	10	4	17
2015	3	8	3	12	3	15	4	11	3	6	3	11
2016	3	6	3	13	3	10	4	10	3	6	3	11
2017	3	10	4	14	3	15	4	11	3	11	3	12
2018	3	19	1	7	3	12	4	11	4	13	4	9
2019	3	13	4	19	3	10	4	7	2	4	2	4
2020	3	12	3	17	3	15	4	17	3	4	3	12
2021	3	14	3	27	3	11	4	14	3	5	3	6
Daily Avg	3	17	3	18	3	19	4	18	3	12	3	13

To remain consistent with other states, Michigan relies on the National Safety Council to determine number of days within each holiday.

Holiday periods (in days) may differ from year to year, please keep this in mind when doing data analysis.

Although holiday data is usually fairly static, it is subject to change as more data becomes available.

*All New Year's holiday information is recorded in the year in which it began.

Updated: 05/23/22

Fatality Report for the Memorial Holiday Period

Fatal Crashes 14 Fatalities 14

This report covers dates ranging from 5/28/2021 at 6:00:00PM to 5/31/2021 at 11:59:59PM

Crash Date	County	Victim	Alcohol	Restraint	Age
May 30, 2021	Berrien	Driver	Yes	No Belts Used	48
May 30, 2021	Calhoun	Motorcyclist	Yes	Helmet Worn	51
May 30, 2021	Genesee	Driver	No	No Belts Used	57
May 30, 2021	Lenawee	Passenger	Unknown	Shoulder and Lap Belt	78
May 29, 2021	Mecosta	Driver	No	Shoulder and Lap Belt	55
May 29, 2021	Monroe	Passenger	Unknown	No Belts Used	17
May 29, 2021	Oakland	Pedestrian	Yes	No Belts Available	51
May 28, 2021	Oscoda	Passenger	Unknown	No Belts Used	23
May 30, 2021	Saginaw	Driver	No	Shoulder and Lap Belt	17
May 29, 2021	St. Clair	Driver	No	Shoulder and Lap Belt	66
May 29, 2021	St. Clair	Motorcyclist	Yes	Helmet Not Worn	28
May 28, 2021	Washtenaw	Driver	No	No Belts Used	66
May 30, 2021	Wayne	Pedestrian	No	No Belts Available	38
May 31, 2021	Wayne	Driver	No	Restraint Use Unknown	31

Total crashes that had alcohol involved: 6 . **

** Alcohol involved crashes are defined as crashes where there was at least one person in the crash that had been drinking.

Fatality Report for the Independence Day Holiday Period

Fatal Crashes 25 Fatalities 27

This report covers dates ranging from 7/2/2021 at 6:00:00PM to 7/5/2021 at 11:59:59PM

Crash Date	County	Victim	Alcohol	Restraint	Age
July 03, 2021	Berrien	Orv Person	No	Helmet Use Unknown	23
July 05, 2021	Berrien	Pedestrian	No	No Belts Available	73
July 04, 2021	Cass	Driver	No	Shoulder and Lap Belt	43
July 03, 2021	Eaton	Driver	Yes	No Belts Used	74
July 03, 2021	Eaton	Driver	No	Restraint Use Unknown	79
July 04, 2021	Genesee	Driver	No	No Belts Used	24
July 05, 2021	Genesee	Motorcyclist	No	Helmet Worn	28
July 05, 2021	Genesee	Passenger	No	Child Rest-Forward Facing	0
July 02, 2021	Grand Traverse	Motorcyclist	Yes	Helmet Not Worn	56
July 05, 2021	Ingham	Driver	Yes	Shoulder and Lap Belt	29
July 05, 2021	Ingham	Passenger	Unknown	Shoulder and Lap Belt	59
July 04, 2021	Ionia	Driver	Yes	Shoulder and Lap Belt	42
July 03, 2021	Kalamazoo	Driver	No	Restraint Use Unknown	33
July 04, 2021	Livingston	Pedestrian	No	No Belts Available	19
July 03, 2021	Macomb	Driver	No	Restraint Use Unknown	17
July 02, 2021	Monroe	Driver	No	Shoulder and Lap Belt	32
July 04, 2021	Muskegon	Motorcyclist	Yes	Helmet Worn	62
July 04, 2021	Oakland	Driver	No	No Belts Available	28

Total crashes that had alcohol involved: 8 . **

** Alcohol involved crashes are defined as crashes where there was at least one person in the crash that had been drinking.

July 03, 2021	St. Clair	Motorcyclist	No	Helmet Worn	26
July 04, 2021	St. Clair	Driver	No	Restraint Use Unknown	82
July 04, 2021	St. Clair	Passenger	Unknown	Restraint Use Unknown	86
July 04, 2021	Tuscola	Motorcyclist	Yes	Helmet Worn	44
July 03, 2021	Van Buren	Motorcyclist	Yes	Helmet Not Worn	58
July 03, 2021	Wayne	Moped/Goped	No	Helmet Not Worn	42
July 03, 2021	Wayne	Driver	No	Restraint Use Unknown	46
July 04, 2021	Wayne	Motorcyclist	No	Helmet Not Worn	40
July 05, 2021	Wayne	Moped/Goped	No	Helmet Use Unknown	31

Fatality Report for the Labor Day Holiday Period

Fatal Crashes 11 Fatalities 11

This report covers dates ranging from 9/3/2021 at 6:00:00PM to 9/6/2021 at 11:59:59PM

Crash Date	County	Victim	Alcohol	Restraint	Age
September 06, 2021	Arenac	Passenger	Unknown	Shoulder and Lap Belt	13
September 06, 2021	Grand Traverse	Pedestrian	No	No Belts Available	76
September 04, 2021	Isabella	Driver	Yes	No Belts Used	51
September 04, 2021	Jackson	Driver	No	Shoulder and Lap Belt	57
September 06, 2021	Kent	Driver	Yes	No Belts Used	19
September 06, 2021	Macomb	Driver	Yes	No Belts Used	34
September 04, 2021	Monroe	Motorcyclist	No	Helmet Not Worn	30
September 05, 2021	Muskegon	Driver	No	No Belts Used	45
September 05, 2021	Wayne	Pedestrian	No	No Belts Available	76
September 06, 2021	Wayne	Motorcyclist	Yes	Helmet Not Worn	58
September 06, 2021	Wayne	Pedestrian	No	No Belts Available	53

Total crashes that had alcohol involved: 5 . **

** Alcohol involved crashes are defined as crashes where there was at least one person in the crash that had been drinking.

Fatality Report for the Thanksgiving Holiday Period

Fatal Crashes 12 Fatalities 14

This report covers dates ranging from 11/24/2021 at 6:00:00PM to 11/28/2021 at 11:59:59PM

Crash Date	County	Victim	Alcohol	Restraint	Age
November 25, 2021	Berrien	Pedestrian	No	No Belts Available	42
November 25, 2021	Delta	Passenger	Unknown	No Belts Used	60
November 25, 2021	Delta	Driver	No	No Belts Used	61
November 27, 2021	Grand Traverse	Driver	No	Shoulder and Lap Belt	50
November 28, 2021	Iosco	Passenger	Unknown	Shoulder and Lap Belt	27
November 28, 2021	Oceana	Passenger	No	Shoulder and Lap Belt	23
November 24, 2021	Otsego	Driver	Yes	No Belts Used	19
November 25, 2021	Roscommon	Passenger	Unknown	Child Rest-Forward Facing	4
November 25, 2021	Roscommon	Driver	Yes	Shoulder and Lap Belt	25
November 26, 2021	Roscommon	Driver	No	Shoulder and Lap Belt	82
November 28, 2021	Roscommon	Driver	No	Shoulder and Lap Belt	69
November 27, 2021	Washtenaw	Driver	No	Shoulder and Lap Belt	16
November 24, 2021	Wayne	Pedestrian	No	No Belts Available	37
November 26, 2021	Wayne	Driver	Yes	No Belts Used	21

Total crashes that had alcohol involved: 3 . **

** Alcohol involved crashes are defined as crashes where there was at least one person in the crash that had been drinking.

Fatality Report for the Christmas Holiday Period

Fatal Crashes 4 Fatalities 5

This report covers dates ranging from 12/23/2021 at 6:00:00PM to 12/26/2021 at 11:59:59PM

Crash Date	County	Victim	Alcohol	Restraint	Age
December 24, 2021	Ionia	Passenger	Unknown	Shoulder and Lap Belt	34
December 24, 2021	Ionia	Driver	No	Shoulder and Lap Belt	68
December 26, 2021	Kalamazoo	Driver	No	Shoulder and Lap Belt	60
December 23, 2021	Marquette	Passenger	Unknown	Shoulder and Lap Belt	63
December 26, 2021	Oakland	Driver	No	Restraint Use Unknown	79

Total crashes that had alcohol involved: 0 . **

** Alcohol involved crashes are defined as crashes where there was at least one person in the crash that had been drinking.

Fatality Report for the New Year's Holiday Period

Fatal Crashes 5 Fatalities 5

This report covers dates ranging from 12/30/2021 at 6:00:00PM to 12/31/2021 at 11:59:59PM

Crash Date	County	Victim	Alcohol	Restraint	Age
December 31, 2021	Bay	Pedestrian	No	No Belts Available	52
December 31, 2021	Kent	Driver	No	Shoulder and Lap Belt	88
December 30, 2021	Macomb	Driver	No	Shoulder and Lap Belt	68
December 31, 2021	Oakland	Driver	No	Shoulder and Lap Belt	73
December 30, 2021	Ogemaw	Bicyclist	No	Helmet Use Unknown	61

Total crashes that had alcohol involved: 0 . **

** Alcohol involved crashes are defined as crashes where there was at least one person in the crash that had been drinking.

Fatality Report for the New Year's Holiday Period

Fatal Crashes 1 Fatalities 1

This report covers dates ranging from 1/1/2022 at 12:00:00AM to 1/2/2022 at 11:59:00PM

Crash Date	County	Victim	Alcohol	Restraint	Age
January 01, 2022	Kalamazoo	Driver	No	Shoulder and Lap Belt	27



Total crashes that had alcohol involved: 1 . **


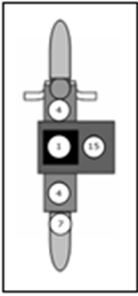
** Alcohol involved crashes are defined as crashes where there was at least one person in the crash that had been drinking.

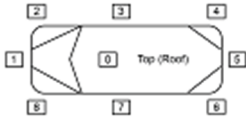
Section 5: UD-10 Images

MSP UD - 10 (Rev. 05/2021) Authority: 1949 PA 300, Sec. 257.622 Compliance: Required Penalty: \$100 and/or 90 days										Page <input type="text"/> of <input type="text"/>											
State of Michigan Traffic Crash Report																					
ORI MI <input type="text"/>		Department Name <input type="text"/>								Investigator(s) <input type="text"/>				Badge # <input type="text"/>		Investigated at Scene Yes <input type="radio"/> No <input type="radio"/>					
Crash Date <input type="text"/>		Crash Time (M) <input type="text"/> (S) <input type="text"/>		No. of Units <input type="text"/>		Crash Type <input type="radio"/> Single Motor Vehicle <input type="radio"/> Head On <input type="radio"/> Head On-Left Turn <input type="radio"/> Angle <input type="radio"/> Backing <input type="radio"/> Rear End <input type="radio"/> Rear End-Left Turn <input type="radio"/> Rear End-Right Turn <input type="radio"/> Sideswipe-Same <input type="radio"/> Sideswipe-Opposite <input type="radio"/> Other <input type="radio"/> Unknown															
Special Circumstances <input type="radio"/> None <input type="radio"/> Hit and Run <input type="radio"/> School Bus		Special Checks <input type="radio"/> Fatal <input type="radio"/> Corrected Copy		Weather		Light		Road Surface Condition		Total Lanes											
<input type="radio"/> Fleeing Police <input type="radio"/> Unknown <input type="radio"/> Animal <input type="text"/>		<input type="radio"/> Replace <input type="radio"/> Delete <input type="radio"/> Non-Traffic		<input type="radio"/> ORV/Snowmobile																	
County <input type="text"/>	City/Twp <input type="text"/>	Area <input type="text"/>	Traffic Control <input type="text"/>	Relation to Roadway <input type="text"/>	Work Zone-Type <input type="radio"/> Const. / Maint. <input type="radio"/> Utility	Work Zone-Workers Present <input type="radio"/> Yes <input type="radio"/> No	Work Zone-Activity <input type="text"/>	Work Zone-Location <input type="text"/>	Contributing Circumstances 1 st <input type="text"/> 2 nd <input type="text"/>												
Location																					
Prefix <input type="text"/> Primary Road Name <input type="text"/>										Road Type <input type="text"/>		Suffix <input type="text"/>		Divided Roadway <input type="radio"/> N <input type="radio"/> S <input type="radio"/> E <input type="radio"/> W							
Distance <input type="text"/>		<input type="radio"/> Feet <input type="radio"/> Miles		Direction <input type="radio"/> North <input type="radio"/> South <input type="radio"/> East <input type="radio"/> West		Trafficway <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6		Speed Limit <input type="text"/>		Posted <input type="radio"/> Yes <input type="radio"/> No											
Prefix <input type="text"/> Intersecting Road Name <input type="text"/>										Road Type <input type="text"/>		Suffix <input type="text"/>		Divided Roadway <input type="radio"/> N <input type="radio"/> S <input type="radio"/> E <input type="radio"/> W							
Unit / Driver																					
Unit Number <input type="text"/>		Driver's License State / Number <input type="text"/>				Date of Birth <input type="text"/>		Unit Type <input type="radio"/> MV <input type="radio"/> B <input type="radio"/> P <input type="radio"/> E (Train)		Sex <input type="radio"/> M <input type="radio"/> F <input type="radio"/> X		Race <input type="text"/>									
Name <input type="text"/>										<input type="radio"/> Driver is Owner		License Type <input type="radio"/> O <input type="radio"/> C <input type="radio"/> M		Endorsements <input type="radio"/> CY <input type="radio"/> F <input type="radio"/> R							
Street Address <input type="text"/>																					
City <input type="text"/>				State <input type="text"/>		ZIP <input type="text"/>		Phone <input type="text"/>				Injury <input type="radio"/> K <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> O									
Position <input type="text"/>		Restraint <input type="text"/>		Airbag <input type="text"/>		Ejected <input type="radio"/>		Condition at Time of Crash 1 st <input type="text"/> 2 nd <input type="text"/>		Driver Distracted By <input type="text"/>		Total Occupants <input type="text"/>		Hospital Code <input type="text"/>		Ambulance Code <input type="text"/>					
Citation Issued <input type="radio"/> Hazardous <input type="radio"/> Other										Hazardous Action <input type="text"/>		Action Prior <input type="text"/>		Sequence of Events (M = Most Harmful Event) 1 st <input type="text"/> 2 nd <input type="text"/> 3 rd <input type="text"/> 4 th <input type="text"/>							
Alcohol Suspected <input type="radio"/> Yes <input type="radio"/> No		Contributing Factor <input type="radio"/> Yes <input type="radio"/> No		Test Type <input type="radio"/> Breath <input type="radio"/> Blood <input type="radio"/> Urine		<input type="radio"/> Field <input type="radio"/> PBT <input type="radio"/> Refused <input type="radio"/> Not Offered		Test Results <input type="text"/>		<input type="radio"/> Results Pending		Interlock Device <input type="radio"/> Yes <input type="radio"/> No									
Drug Suspected <input type="radio"/> Yes <input type="radio"/> No		Contributing Factor <input type="radio"/> Yes <input type="radio"/> No		Test Type <input type="radio"/> Field <input type="radio"/> Blood <input type="radio"/> Urine		<input type="radio"/> Refused <input type="radio"/> Not Offered		Test Results <input type="text"/>		<input type="radio"/> Results Pending											
Vehicle																					
Vehicle Registration <input type="text"/>				State <input type="text"/>				Insurance Company <input type="text"/>				Policy Number <input type="text"/>									
Towed By <input type="text"/>										Towed To <input type="text"/>											
VIN <input type="text"/>				Year <input type="text"/>		Make <input type="text"/>		Model <input type="text"/>		Color <input type="text"/>		Special Vehicles <input type="text"/>		Vehicle Use <input type="text"/>							
Vehicle Type <input type="text"/>		Location of Greatest Damage <input type="text"/>		1 st Impact <input type="text"/>		Extent of Damage <input type="text"/>		Vehicle Direction <input type="text"/>		Private Trailer Type <input type="text"/>		Vehicle Defect <input type="text"/>									
Automation System(s) in Vehicle <input type="radio"/> Yes <input type="radio"/> No				Automation System Level in Vehicle <input type="text"/>				Automation System Level Engaged at Time of Crash <input type="text"/>													
Passengers																					
Name <input type="text"/>										Ejected <input type="radio"/> Trapped <input type="radio"/>											
Street Address <input type="text"/>										Sex <input type="radio"/> M <input type="radio"/> F <input type="radio"/> X											
City <input type="text"/>				State <input type="text"/>		ZIP <input type="text"/>		Phone <input type="text"/>				Injury <input type="radio"/> K <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> O									
Date of Birth <input type="text"/>		Position <input type="text"/>		Restraint <input type="text"/>		Airbag <input type="text"/>		Hospital Code <input type="text"/>		Ambulance Code <input type="text"/>		Race <input type="text"/>									
<input type="radio"/> Owner		<input type="radio"/> Uninjured Passenger		<input type="radio"/> Witness		Name <input type="text"/>		Race <input type="text"/>		Sex <input type="text"/>		Address <input type="text"/>									
<input type="radio"/> Owner		<input type="radio"/> Uninjured Passenger		<input type="radio"/> Witness		Name <input type="text"/>		Race <input type="text"/>		Sex <input type="text"/>		Address <input type="text"/>									
Reported Date <input type="text"/>				Reported Time <input type="text"/>				Damaged Property <input type="text"/>													
UD-10 SERIAL NUMBER <input type="text"/>				Serial Override Number <input type="text"/>				Owner & Phone <input type="text"/> / <input type="text"/> Public <input type="radio"/> Yes <input type="radio"/> No													

Section 5: UD-10 Traffic Crash Report User Guide

UD-10 Traffic Crash Report User Guide		 MICHIGAN STATE POLICE  <small>A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY</small>	
Revised 2021		Phone: 517-241-1699 Website: www.michigan.gov/crash Email: CrashTCRS@michigan.gov	
Crash Type			
Single Motor Vehicle	Head On	Head On Left Turn	Angle
Backs	Rear End	Rear End-Left Turn	Rear End-Right Turn
Sideswipe Same	Sideswipe Opposite	Other	Unknown
Animal	Road Surface Condition	Area	Work Zone - Activity
1. Deer 2. Turkey 3. Elk 4. Moose 5. Bear 97. Animal (Other) 98. Animal (Unknown)	1. Dry 2. Wet 3. Ice 4. Snow 5. Mud, Dirt, Gravel 6. Slush 7. Debris 8. Water (Standing / Moving) 9. Sand 10. Oily 97. Other 98. Unknown	Freeway 1. Entrance / Exit Ramp Related 2. Authorized Median Crossover Related 3. Transition Area / Increase or Decrease in Travel Lanes 4. Rest Area Related 5. Scale / Weigh Station Related 6. All Other Freeway Areas 20. Curved Roadway Intersection 7. Within Intersection 8. Driveway Related within 150 ft. of Nearest Edge of Intersection 9. Intersection Related-Other 21. Roundabout Other Non-Freeway Areas 10. Straight Roadway Not Related to Other Selections 11. Curved Roadway Not Related to Other Selections 12. Driveway Related Not within 150 ft. of Intersection 13. Parking Related Legal Roadside 14. Transition Area / Increase or Decrease in Travel Lanes 15. Median Crossing Related 16. Railroad Crossing Related 17. Rest Area Related 18. Scale / Weigh Station Related 19. Non-Traffic Area 97. Other 98. Unknown	1. Lane Closure 2. Lane Shift / Crossover 3. Work on Shoulder or Median 4. Intermittent or Moving Work 97. Other Work Zone - Location 1. Before the First Work Zone Warning Sign 2. Between the First and Last Work Zone Warning Sign 3. No Warning Signs Trafficway 1. Not Physically Divided (Two-Way Traffic) 2. Divided Highway without Traffic Barrier 3. Divided Highway with Traffic Barrier 4. One-Way Traffic 5. Non-Traffic 6. Two-Way, Not Divided, with a Continuous Left Turn Lane
Weather	Contributing Circumstances	Unit Type	Race
1. Clear 2. Cloudy 3. Fog 4. Rain 5. Snow 6. Severe Crosswinds 7. Sleet / Hail 8. Blowing Snow 9. Blowing Sand, Soil, Dirt 10. Smoke 98. Unknown	1. Prior Crash 2. Backup Due to Regular Congestion 3. Backup Due to Other Incident 4. Glare 5. Traffic Control Device Inoperative, Missing or Obscured 6. Shoulders (None, Low, Soft, High) 96. None 97. Other 98. Unknown	MV Motor Vehicle B Bike P Pedestrian E Engineer (Train)	I American Indian/Alaskan A Asian B Black/African American H Hispanic/Latino P Native Hawaiian or Other Pacific Islander W White U Unknown
Light	Relation to Roadway		
1. Daylight 2. Dawn 3. Dusk 4. Dark-Lighted 5. Dark-Unlighted 97. Other 98. Unknown	1. On the Road 2. Median 3. Shoulder 4. Outside of Shoulder / Curb 5. Gore 6. On-Street Parking 7. Off Roadway (Non-Traffic) 8. Sidewalk 9. Bicycle Lane 98. Unknown		
Traffic Control			
1. Signal 2. Stop Sign 3. Stop Sign with Flashing Beacon 4. Yield Sign 96. None			

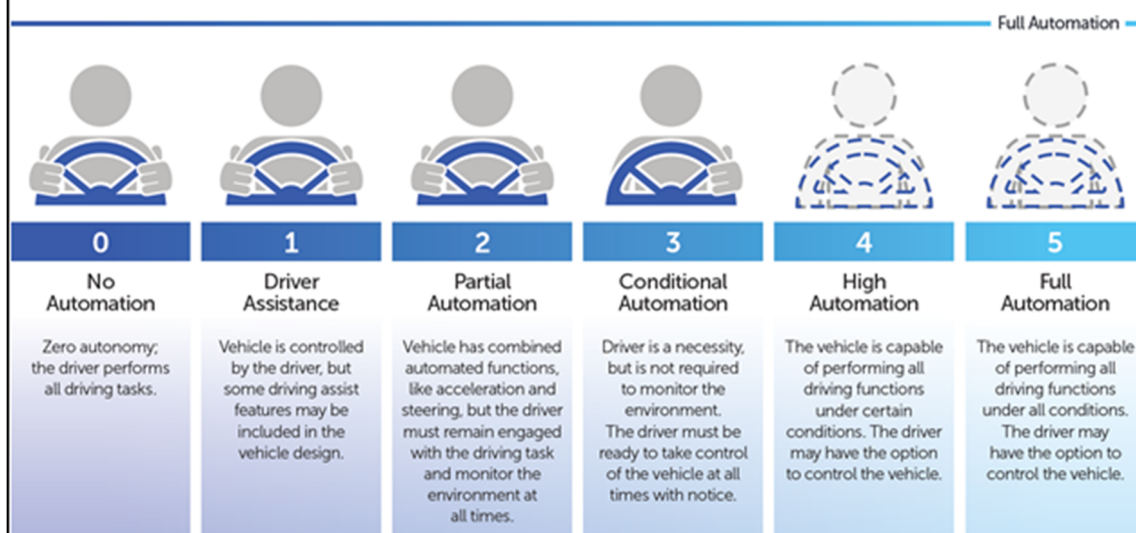
Driver Distracted By	Restraint Use	Injury	Sequence of Events
1. Not Distracted 2. Manually Operating an Electronic Communications Device (Texting, Typing, Dialing) 3. Talking on Hands-Free Electronic Device 4. Talking on Hand-Held Electronic Device 5. Other Activity, Electronic Device (Book Player, Navigation Aid) 6. Passenger 7. Other Activity Inside the Vehicle (Eating, Personal Hygiene) 8. Outside the Vehicle (Includes Unspecified External Distractions) 98. Unknown	1. No Belts Available 2. Shoulder Belt Only Used 3. Lap Belt Only 4. Shoulder and Lap Belt 5. No Belts Used 6. Child Restraint System – Forward Facing 7. Child Restraint Not Used or Improperly Used 8. Child Restraint System – Rear Facing 9. Child Restraint System – Booster Seat 10. Restraint Failure 11. Restraint Use Unknown 12. Helmet Worn 13. Helmet Not Worn 14. Helmet Use Unknown	K - Fatal Injury: Any injury which results in death A - Suspected Serious Injury: Any injury other than fatal which prevents normal activities and generally requires hospitalization B - Suspected Minor Injury: Any minor injury that is evident to others at the scene C - Possible Injury: Any possible injury that is reported or claimed O - No Injury: No indication of injury	Non-Collision 1. Loss of Control 2. Cross Centerline 3. Ran Off Roadway - Left 4. Ran Off Roadway - Right 5. Re-enter Roadway 6. Overtake 7. Separation of Units 8. Fire / Explosion 9. Immersion 10. Jackknife 11. Downhill Runaway 12. Cargo Loss / Shift 13. Individual Fell from Vehicle 14. Other Non-Collision 46. Cross Median 47. Equipment Failure (Blown Tire, Brake Failure, Etc.)
Position B Bicyclist P Pedestrian E Engineer (Railroad / Train)  13. Sleeper Section 14. Other Enclosed Passenger / Cargo Area 15. Other Unenclosed Passenger / Cargo Area 16. Riding In / On Trailing Unit 17. Riding On Vehicle Exterior 98. Unknown 	Hazardous Action 0. None 1. Speed Too Fast 2. Speed Too Slow 3. Failed to Yield 4. Disregard Traffic Control 5. Drove Wrong Way 6. Drove Left of Center 7. Improper Passing 8. Improper Lane Use 9. Improper Turn 10. Improper / No Signal 11. Improper Backing 12. Unable to Stop in Assured Clear Distance 13. Other 14. Unknown 15. Reckless Driving 16. Careless Driving	Action Prior to Crash Driver Action 1. Going Straight Ahead 2. Turning Left 3. Turning Right 4. Stopped on Roadway 5. Involved in Prior Crash at Same Location 6. Changing Lanes 7. Backing 8. Slowing / Stopping on Roadway 9. Slowing / Stopping Other Area 10. Starting Up on Roadway 11. Starting Up in Other Area 12. Entering Parking 13. Leaving Parking 14. Entering Roadway 15. Leaving Roadway 16. Making U-Turn 17. Overtaking or Passing 18. Avoiding Object 19. Avoiding Pedestrian 20. Avoiding Vehicle (Front / Back) 21. Avoiding Vehicle (Angle) 22. Driverless Moving 23. Parked 35. Other 36. Unknown 37. Avoiding Animal 38. Negotiating a Curve Pedestrian Action 24. Crossing at Intersection 25. Crossing Not at Intersection 26. Getting On / Off Vehicle 27. In Roadway with Traffic 28. In Roadway Against Traffic 29. Standing / Lying in Roadway 30. Pushing / Working on Vehicle 31. Other Working in Roadway 32. Playing in Roadway 33. In Roadway Other Reason 34. Not in Roadway 35. Other 36. Unknown	Collision with Non-Fixed Object 15. Pedestrian 16. Bicyclist 17. Motor Vehicle in Transport* 18. Parked Motor Vehicle 19. Engineer (Railroad / Train) 20. Animal 21. Other Non-Fixed Object 48. Work Zone / Maintenance Equipment 49. Cargo Falling / Shifting / or Anything Set in Motion (SIM) By a Motor Vehicle <i>* In transport means a motor vehicle in motion or on a roadway.</i> Collision with Fixed Object 22. Bridge Pier / Support 24. Bridge Rail 25. Guardrail Face 26. Guardrail End 27. Concrete Barrier 28. Traffic Sign / Post 29. Traffic Signal Equipment 30. Utility Pole / Light Support 32. Other Post / Pole / Support 33. Culvert 34. Curb 35. Ditch 36. Embankment 37. Fence 38. Mailbox 39. Tree 40. Railroad Crossing Signal 41. Building 42. Traffic Island 43. Fire Hydrant 44. Impact Attenuator / Crash Cushion 45. Other Fixed Object 50. Bridge Overhead Structure 51. Cable Barrier
Motorcycles, Snowmobiles, Etc. (In-Line Seating) 1. Driver 4. Passenger One 7. Passenger Two 15. Other Unenclosed Passenger / Cargo Area	Airbag 1. Deployed-Front 2. Not Deployed 3. Not Equipped 4. Deployed-Side 5. Deployed-Curtain 6. Deployed-Other (Knee, Air Belt, Etc.) 7. Deployed-Combination 98. Unknown	Condition at Time of Crash 1. Appeared Normal 4. Sick 5. Fatigued or Asleep 7. Medication 10. Physically Disabled 11. Emotional 97. Other 99. Unknown	

Location of Greatest Damage / First Impact  9. Undercarriage 10. Multiple 11. None 98. Unknown	Vehicle Use 1. Private 2. Commercial (Business) 3. In Pursuit / On Emergency 4. Farm 5. School / Education 6. Club / Church 7. Military 8. Other Government 9. Utility 10. Road Construction / Other Maintenance 11. Other	Special Vehicles 1. Police 2. Fire 3. Bus 4. Ambulance 5. Farm Equipment 6. Construction / Maintenance Equipment 7. Tow Truck / Wrecker	Extent of Damage 1. No Damage 2. Minor Damage 3. Functional Damage 4. Disabling Damage 98. Unknown
Vehicle Type 1. Passenger Car, SUV, Van 2. Motor Home 3. Pickup Truck 4. Small Truck (Under 10,000 lbs) 5. Motorcycle 6. Moped / Goped 7. Go-Cart / Golf Cart 8. Snowmobile 9. Off Road Vehicle (ATV Type) 10. Other 11. Truck / Bus	Vehicle Direction N North NE Northeast NW Northwest S South SE Southeast SW Southwest W West E East	Vehicle Defects 1. Brakes 2. Lights 3. Steering 4. Tires / Rims 5. Windows / Windshield 6. Truck Coupling / Trailer Hitch / Safety Chains 97. Other	Automation System Level in Vehicle 0. No Automation 1. Driver Assistance 2. Partial Automation 3. Conditional Automation 4. High Automation 5. Full Automation 6. Automation Level Unknown 98. Unknown
		Private Trailer Type 1. Utility 2. Travel Trailer 3. Boat Trailer 4. Farm Equipment 5. Towed Auto 6. Recreational Double 7. Other	Automation System Level Engaged at Time of Crash 0. No Automation 1. Driver Assistance 2. Partial Automation 3. Conditional Automation 4. High Automation 5. Full Automation 6. Automation Level Unknown 98. Unknown

While many of the vehicles on the road today are not automated, some levels of automation do exist on newer vehicles. Common Level 1 (Driver Assistance) Systems can include:

Lane Keeping Assist Adaptive Cruise Control
 Parking Assist Automatic Emergency Braking

SAE AUTOMATION LEVELS



Truck and Bus Crashes Reportable to FMCSA

REPORT A TRAFFIC CRASH IF IT INVOLVES...

Any truck that has a gross vehicle weight rating (GVWR) of more than 10,000 pounds or a gross combination weight rating (GCWR) of more than 10,000 pounds used on public highways

OR

Any motor vehicle with seating to transport nine (9) or more people, including the driver's seat

OR

Any motor vehicle displaying a hazardous materials placard (regardless of weight)

...AND RESULTS IN

A fatality: any person(s) killed in or outside of any vehicle (truck, bus, car, etc.) involved in the crash or who dies within 30 days of the crash as a result of an injury sustained in the crash

OR

An injury: any person(s) injured as a result of the crash who immediately receives medical treatment away from the crash scene

OR

A tow-away: any motor vehicle (truck, bus, car, etc.) disabled as a result of the crash and transported away from the scene by a tow truck or other vehicle

Revised 06/05

Federal Motor Carrier
Safety Administration



U.S. Department of Transportation
www.fmcsa.dot.gov

Vehicle Configuration

1 Passenger Car (Only if Vehicle Has HM Placard) 	7 Truck/Trailer (Single-Unit Truck Pulling a Trailer)
2 Light Truck (Only if Vehicle Has HM Placard) 	8 Truck Tractor (Bobtail)
3 Bus (9-15 Seats, Including Driver) 	9 Tractor / Semi Trailer (One Trailer)
4 Bus (16 or More Seats, Including Driver) 	10 Truck Tractor / Double (Two Trailers)
5 Single-Unit (2 Axles, 6 Tires) 	11 Truck Tractor / Triple (Three Trailers)
6 Single-Unit (3 or More Axles) 	99 Unknown Heavy Truck > 10,000 lbs - Unclassified (Not Listed Above)

Cargo Body Type

1 Van / Enclosed Box 	6 Auto Transporter 	11 Log
2 Cargo Tank 	7 Garbage / Refuse 	12 Vehicle Towing Motor Vehicle
3 Flat Bed 	8 Grains, Chips, Gravel 	13 Bus (9-15 Seats, Including Driver)
4 Dump 	9 Pole 	14 Bus (16 or More Seats, Including Driver)
5 Concrete Mixer 	10 Intermodal Chassis 	15 No Cargo Body
		97 Other

CDL Endorsements

H Hazardous P Passenger
T Double/Triple S School Bus
N Tank X Tank and Hazardous

CDL-Class A

Any combination of vehicles with a GCWR of 26,001 pounds or more, provided the GVWR of any towed vehicles is 10,001 pounds or more.

CDL-Class B

Any single vehicle with a GVWR of 26,001 pounds or more, or any such vehicle towing a vehicle with a GVWR of 10,000 pounds or less.

CDL-Class C

Any single vehicle or combination of vehicles that do not meet the definition of Class A or Class B, but are designed to transport 16+ passengers including the driver, or is used to transport hazardous materials requiring a placard.

Section 5:

Fatality Analysis Reporting System (FARS)

The Fatality Analysis Reporting System (FARS) gathers data on the most severe traffic crashes that occur each year - those that result in loss of human life.

The system was conceived, designed, and developed by the National Center for Statistics and Analysis (NCSA) of the National Highway Traffic Safety Administration (NHTSA) to provide an overall measure of highway safety, to help identify traffic safety problems, to suggest solutions and to help provide an objective basis on which to evaluate the effectiveness of motor vehicle safety standards and highway safety programs.

FARS became operational in 1975 and contains data on fatal traffic crashes within 50 States, the District of Columbia and Puerto Rico. To be included in FARS, a crash must involve a motor vehicle traveling on a trafficway open to the public and must result in the death of a person (vehicle occupants or non-motorist). Any fatal crash involving a snowmobile or ORV shall be submitted to FARS, regardless of where it occurred.

The FARS file contains descriptions, in a standard format, of each fatal crash reported. Each crash has more than 100 different coded data elements that characterize the crash, the vehicles, and the people involved. The specific data elements may be modified slightly each year to conform to changing user needs, vehicle characteristics, and highway safety emphasis areas. The FARS analyst reviews the UD-10 to complete all data elements reported on five forms:

The **Crash Form** contains specific information such as the time and location of the crash, the first harmful event, the number of vehicles and people involved, and the weather conditions.

The **Vehicle Form** contains data on each vehicle involved in the crash. Specific data includes the vehicle type, role in the crash, initial and principal impact points, the most harmful event, whether it is a hit-and-run crash, and whether a school bus was involved.

The **Driver Form** contains driver's record and license status including mandated Commercial Drivers License information.

The **Person Form** contains data on each person involved in the crash: his or her age and sex, role in the crash (i.e., driver, passenger, non-motorist), alcohol and drug involvement, injury severity, and restraint use.

The **Pre-Crash Form** contains data describing roadway attributes, driver's actions, and details prior to the first harmful event.

The data collected within FARS do not include any personal identifying information such as names, addresses, or social security numbers. Thus, any data kept in FARS files are made available to the public to fully conform to the Privacy Act laws. An overview of FARS data is published in various fact sheets and in an annual report. These are all available to the public. The annual report contains a comprehensive analysis of the year's data and includes some past year's data with comparative analyses.

Michigan has participated in the FARS program since its inception. The FARS analyst gathers, translates, and enters data directly into NHTSA's central computer data file. Data is automatically checked when entered for acceptable range values and for consistency.

FARS data is used extensively within NHTSA; and, requests are received from sources such as state and local governments, research organizations, private citizens, the auto and insurance industries, Congress, and the media. Specific FARS data uses include the evaluation of:

- Alcohol related legislation
- Motorcycle helmet legislation
- Restraint usage legislation
- Speed limit laws
- Vehicle safety designs
- Large truck safety
- Air bag effectiveness

FARS data can be accessed at the state level by the FARS analyst to respond to state safety issues. Users may request specific data from the NCSA at no charge for most requests, generally within two weeks (allowing more time for complex or lengthy reports). Also, users can obtain a file on computer tape in one of several formats amenable to analysis. The FARS website address is: www-fars.nhtsa.dot.gov.

Section 5:

Injury Index

An Injury selection must be made for each driver/person that's recorded as a Unit. The injury recorded should be based on the latest information available at the time the report was completed.

K Fatal Injury (K) – A fatal injury is any injury that results in death within 30 days after the motor vehicle crash in which the injury occurred.

A Suspected Serious Injury (A) – A suspected serious injury is any injury other than fatal which results in one or more of the following:

Severe laceration resulting in exposure of underlying tissues/muscle/organs

Resulting in significant loss of blood

Broken or distorted extremity (arm or leg)

Crush injuries

Suspected skull, chest, or abdominal injury other than bruises or minor lacerations

Significant burns (second and third degree burns over 10% or more of the body)

Unconsciousness when taken from the crash scene

Paralysis

B Suspected Minor Injury (B) – A minor injury is any injury that is evident at the scene of the crash, other than fatal or serious injuries. Examples include lump on the head, abrasions, bruises, minor lacerations (cuts on the skin surface with minimal bleeding and no exposure of deeper tissue/muscle).

C Possible Injury (C) – A possible injury is any injury reported or claimed which is not a fatal, suspected serious or suspected minor injury. Examples include: momentary loss of consciousness, claim of injury, limping, or complaint of pain or nausea. Possible injuries are those that are reported by the person or are indicated by his/her behavior, but no wounds or injuries are readily evident.

O No Apparent Injury (O) – No apparent injury is a situation where there is no reason to believe that the person received any bodily harm from the motor vehicle crash. There is no physical evidence of injury, and the person does not report any change in normal function.

Section 5:

The Michigan Motor Vehicle Code

Sections of the Motor Vehicle Code Pertaining to Traffic Crash Reporting

Please note that the department referenced in the statute sections listed below is the Michigan Department of Natural Resources.

257.617 Accident resulting in serious impairment of body function or death; stopping required; reporting to police agency or officer; violation as felony; penalty.

(1) The driver of a vehicle who knows or who has reason to believe that he or she has been involved in an accident upon public or private property that is open to travel by the public shall immediately stop his or her vehicle at the scene of the accident and shall remain there until the requirements of section 619 are fulfilled or immediately report the accident to the nearest or most convenient police agency or officer to fulfill the requirements of section 619(a) and (b) if there is a reasonable and honest belief that remaining at the scene will result in further harm. The stop shall be made without obstructing traffic more than is necessary.

(2) Except as provided in subsection (3), if the individual violates subsection (1) and the accident results in serious impairment of a body function or death, the individual is guilty of a felony punishable by imprisonment for not more than 5 years or by a fine of not more than \$5,000.00, or both.

(3) If the individual violates subsection (1) following an accident caused by that individual and the accident results in the death of another individual, the individual is guilty of a felony punishable by imprisonment for not more than 15 years or a fine of not more than \$10,000.00, or both.

257.617a Accident; personal injury; reporting to police agency or officer; stopping required; penalty; suspension of license.

(1) The driver of a vehicle who knows or who has reason to believe that he has been involved in an accident upon public or private property that is open to travel by the public shall immediately stop his or her vehicle at the scene of the accident and shall remain there until the requirements of section 619 are fulfilled or immediately report the accident to the nearest or most convenient police agency or officer to fulfill the requirements of section 619(a) and (b) if there is a reasonable and honest belief that remaining at the scene will result in further harm. The stop shall be made without obstructing traffic more than is necessary.

(2) If an individual violates subsection (1) and the accident results in injury to any individual, the individual is guilty of a misdemeanor punishable by imprisonment for not more than 1 year or a fine of not more than \$1,000.00, or both.

(3) The secretary of state shall suspend the operator's or chauffeur's license of an individual convicted of violating this section as provided in section 319.

257.618 Accidents; damage to vehicles; stopping required; reporting to police agency or officer; penalty.

(1) The driver of a vehicle who knows or who has reason to believe that he has been involved in an accident upon public or private property that is open to travel by the public shall immediately stop his or her vehicle at the scene of the accident and shall remain there until the requirements of section 619 are fulfilled or immediately report the accident to the nearest or most convenient police agency or officer to fulfill the requirements of section 619(a) and (b) if there is a reasonable and honest belief that remaining

at the scene will result in further harm. The stop shall be made without obstructing traffic more than is necessary.

(2) If an individual violates the requirements of subsection (1) and the accident results in damage to a vehicle operated by or attended by any individual, the individual is guilty of a misdemeanor punishable by imprisonment for not more than 90 days or a fine of not more than \$100.00, or both.

257.620 Accidents; attended or unattended vehicle; stopping; report.

The driver of any vehicle which collides upon either public or private property with any vehicle which is attended or unattended shall immediately stop and shall then and there either locate and notify the operator or owner of such vehicle of the name and address of the driver and owner of the vehicle striking the vehicle or, if such owner cannot be located, shall forthwith report it to the nearest or most convenient police officer.

257.621 Accidents; fixtures on or adjacent to highway; notification of owner; exhibition of driver's license; reports.

(a) The driver of any vehicle involved in an accident resulting only in damage to fixtures legally upon or adjacent to a highway shall take reasonable steps to locate and notify the owner or person in charge of such property of such accident and of his name and address and of the registration number of the vehicle he is driving and shall upon request exhibit his operator's or chauffeur's license and, if such owner cannot be found, shall forthwith report such accident to the nearest or most convenient police officer.

(b) The officer receiving such report, or his commanding officer shall forward each individual report to the director of state police on forms prescribed by him which shall be completed in full by the investigating officer. The director of state police shall analyze each report relative to the cause of the reported accident and shall prepare for public use the information compiled from the reports.

257.622 Report of accidents resulting in death, personal injury, or property damage; forms; analysis; use; retention.

The driver of a motor vehicle involved in an accident that injures or kills any person, or that damages property to an apparent extent totaling \$1,000.00 or more, shall immediately report that accident at the nearest or most convenient police station, or to the nearest or most convenient police officer. The officer receiving the report, or his or her commanding officer, shall immediately forward each report to the director of the department of state police on forms prescribed by the director of the department of state police. The forms shall be completed in full by the investigating officer. The director of the department of state police shall analyze each report relative to the cause of the reported accident and shall prepare information compiled from reports filed under this section for public use. A copy of the report under this section and copies of reports required under section 621 shall be retained for at least 3 years at the local police department, sheriff's department, or local state police post making the report.

324.82132 Accidents; notice; reports.

The operator of a snowmobile involved in an accident resulting in injuries to or the death of any person or property damage in an estimated amount of \$100.00 or more shall immediately by the quickest means of communication notify a state police officer or officers, the sheriff's office of the county in which the accident occurred, or the office of the police department of the local unit of government in which the accident occurred. The police agency receiving the notice shall complete a report of the accident on forms prescribed by the director of the department of state police and forward the report to the department of state police within 14 days after the date of the accident. The department of state police

shall forward a copy of all snowmobile accident reports to the department within 14 days after receipt of the accident report.

324.81143 Accident resulting in injury, death, or property damage; notice; report; report by medical facility; collection and evaluation of information; duties of operator.

(1) The operator of a vehicle involved in an accident resulting in injuries to, or the death of, a person, or resulting in property damage in an estimated amount of \$100.00 or more, shall immediately, by the quickest available means of communication, notify a state police officer, or the sheriff's office of the county in which the accident occurred. The police agency receiving the notice shall complete a report of the accident on forms prescribed by the director of the department of state police and forward the report to the department of state police and the department.

(2) A medical facility to which a person injured in an accident involving an ORV is transported shall report the accident to the department of state police.

(3) The department of state police, in cooperation with the department, shall collect and evaluate information concerning accidents involving ORVs.

(4) The operator of a vehicle involved in an accident upon public or private property resulting in injury to or the death of a person shall immediately stop at the scene of an accident and shall render to any person injured in the accident reasonable assistance in securing medical aid or transportation.

Section 5: Glossary

Some definitions given are for purposes of UD-10 completion only and should not be used for enforcement or prosecution purposes.

A	<p>Adult – The definition differs under federal and Michigan law. Federal law states an adult is a person who is 18 years of age or older. Michigan law states, an adult is a person who is 17 years of age or older. <i>(In this report, the definition follows Michigan law.)</i></p> <p>At-intersection crash – A traffic crash in which the first harmful event occurs within the limits of an intersection.</p>
B	<p>Bicycle – A non-motorized unit propelled by pedaling, regardless of the number of wheels, which can include tricycles, unicycles, and pedal cars.</p> <p>Bus – Any passenger-carrying vehicle used for hire and used to transport nine or more passengers, including the driver.</p>
C	<p>Commercial Motor Vehicle – Any motor vehicle used for the transportation of goods, property or people in interstate or intrastate commerce.</p> <p>Contributing Circumstances – These are apparent external (out of the vehicle) conditions that may have contributed to the crash.</p> <p>Crash – An un-stabilized situation which includes at least one harmful event.</p>
D	<p>Distracted Driving – Distractions are actions or sources that may have influenced driver or non-motorist performance. There is no burden of proof needed when selecting a driver distraction. It is simply the officer's decision based upon their personal observations while investigating the traffic crash.</p> <p>Driving Under the Influence – The driving or operating of any vehicle while under the influence of liquor or drugs.</p>
F	<p>Farm tractor – Farm tractor means every motor vehicle designed and used primarily as a farm implement for drawing plows, mowing machines, and other implements of husbandry. MCL 257.16</p>
G	<p>Gross Combination Weight Rating (GCWR) – The value specified by the manufacturer as the maximum loaded weight of a combination vehicle. In the absence of a label, the GCWR can be calculated by adding the GVWR of the power unit to the GVWR of the vehicle(s) or trailer(s) being towed.</p> <p>Gross Vehicle Weight Rating (GVWR) – The maximum rated loaded weight in pounds of a single vehicle. Vehicle manufacturers specify the GVWR, and this can be found on the vehicle certification label.</p>
H	<p>Harmful event – An occurrence of injury or damage</p> <p>Highway or street – Highway or street means the entire width between the boundary lines of every way publicly maintained when any part of, thereof, is open to the use of the public for purposes of vehicular travel. MCL 257.20</p>

I	<p>Ignition Interlock Devices – Ignition Interlock device means an alcohol concentration measuring device that prevents a motor vehicle from being started at any time without first determining through a deep lung sample the operator's breath alcohol level. MCL 257.625L</p> <p>Implement of husbandry – Implement of husbandry means a vehicle or trailer in use for the exclusive function of serving agriculture, horticulture, or livestock operations. Implement of husbandry includes a farm tractor, self-propelled application-type vehicle, farm wagon, farm trailer, a vehicle or trailer adapted for lifting or carrying another implement of husbandry, or any substantially similar equipment used to transport products necessary for agricultural production. MCL 257.21</p>
M	<p>Moped – A Moped is a 2- or 3-wheeled vehicle to which both of the following apply:</p> <ul style="list-style-type: none"> (a) It is equipped with a motor that does not exceed 100 cubic centimeters piston displacement and cannot propel the vehicle at a speed greater than 30 miles per hour on a level surface. (A) Its power drive system does not require the operator to shift gears. MCL 257.32b <p>Motorcycle – Motorcycle means every motor vehicle having a saddle or seat for the use of the rider and designed to travel on not more than three wheels in contact with the ground but excluding a tractor. MCL 257.31</p> <p>Motor home – Motor home means a motor vehicle constructed or altered to provide living quarters, including permanently installed cooking and sleeping facilities, and is used for recreation, camping, or other non-commercial use. MCL 257.32a</p> <p>Motor vehicle – Motor vehicle is <u>any</u> motorized road vehicle not operated on rails.</p>
N	<p>Non-traffic area – An area not designed for purposes of through vehicular travel. Generally, an area with roadways that is not part of the state, county, or local road system. Non-traffic areas include shopping center parking areas and service-access roads, parking ramps, parklands, and school properties.</p>
O	<p>ORV – ORV is a motor-driven, off-road recreation vehicle capable of cross-country travel without benefit of a road or trail, on or immediately over land, snow, ice, marsh, swampland, or other natural terrain.</p> <p>A multi-track or multi-wheel drive vehicle, a motorcycle or related two-wheel vehicle, a vehicle with three or more wheels, an amphibious machine, a ground effect air cushion vehicle, or other means of transportation may be an ORV. An ATV is an ORV.</p> <p>ORV or vehicle does not include a registered snowmobile, a farm vehicle being used for farming, a vehicle used for military, fire, emergency, or law enforcement purposes, a vehicle owned and operated by a utility company or an oil or gas company when performing maintenance on its facilities or on property over which it has an easement, a construction or logging vehicle used in performance of its common function, or a registered aircraft. MCL 324.81101</p>

P	Pedestrian – Person on foot; person on skis, skates, or roller blades; rider of a horse; horse and buggy (each occupant, including the driver, will be listed as a separate pedestrian unit); and, non-motorized wheelchair.
R	Roadway – Roadway means that part of a trafficway designed, improved, and ordinarily used for motor vehicle travel or, where various classes of motor vehicles are segregated, that part of a trafficway used by a particular class. Separate roadways may be provided for opposing directions of traffic for trucks and automobiles. ANSI D.16
S	<p>School bus – School bus means every motor vehicle, except station wagons, with a manufacturers' rated seating capacity of 16 or more passengers, including the driver, owned by a public, private, or governmental agency and operated for the transportation of children to or from school, or privately owned and operated for compensation for the transportation of children to or from school.</p> <p>School bus does not include buses operated by a municipally owned transportation system or by a common passenger carrier certificated by the state transportation department. MCL 257.57</p> <p>Semi-trailer – Semi-trailer means every vehicle with or without motive power, other than a pole-trailer, designed for carrying persons or property and for being drawn by a motor vehicle and so constructed that some part of its weight and that of its load rests upon or is carried by another vehicle. Semi-trailer does not include any implement of husbandry. MCL 257.59</p> <p>Snowmobile – Snowmobile means any motor driven vehicle designed for travel primarily on snow or ice of a type which utilizes sled runners or skis, or an endless belt tread or any combination of these or other similar means of contact with the surface upon which it is operated; but is not a vehicle which must be registered under Act No. 300 of the Public Acts of 1949, as amended, being sections 257.1 to 257.923 of the Michigan Compiled Laws. MCL 324.82101</p>
T	<p>Traffic crash – A road vehicle crash in which the un-stabilized situation originates on a trafficway, or a harmful event occurs on a trafficway. ANSI D.16</p> <p>Trailer – Trailer means every vehicle with or without motive power, other than a pole-trailer, designed for carrying property or persons and for being drawn by a motor vehicle and so constructed that no part of its weight rests upon the towing vehicle. Trailer does not include any implement of husbandry. MCL 257.73</p> <p>Truck – Truck means every motor vehicle designed, used, or maintained primarily for the transportation of property. MCL 257.75</p> <p>Truck/Bus Unit – A commercial truck or truck/trailer having a GVWR or GCWR of 10,001 pounds or more, any vehicle displaying or requiring a hazardous material placard, or any vehicle designed or used to transport more than eight passengers including the driver.</p> <p>Truck Tractor – Truck tractor means every motor vehicle designed and used primarily for drawing other vehicles, and not so constructed as to carry a load other than a part of the weight of the vehicle and load so drawn, except that a truck tractor and semi-trailer</p>

	engaged in the transportation of automobiles may transport motor vehicles on part of the power unit. MCL 257.77
V	Vehicle – Vehicle means every device in, upon, or by which any person or property is or may be transported or drawn upon a highway, except devices exclusively moved by human power or used exclusively upon stationary rails or tracks and except a mobile home. MCL 257.79