



2021

MTCF
Michigan Traffic
Crash Facts

Michigan Traffic Crash Facts

Reporting Criteria

Please pay particular attention to the wording when interpreting the three levels of data gathered for this report.

Crash

The Crash Level analyzes data related to crash events and returns one result per crash.

Examples: Time, weather, and location.

Units

The Units Level analyzes the experience of the units in the crash and returns one result per vehicle, driver, pedestrian, bicyclist, or train.

Examples: Vehicle type, driver condition, and unit events.

People

The People Level analyzes the experience of the people involved in the crash and returns one result per occupant/person/party.

Examples: Age, injury severity, and seat belt or helmet use.

KABCO Injury Indicator:

K = Killed

A = Suspected Serious Injury

B = Suspected Minor Injury

C = Possible Injury

O = No Injury

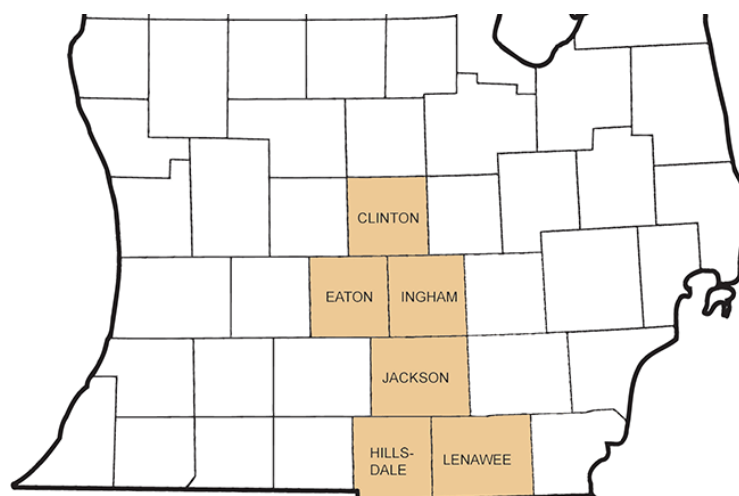
Property Damage Only (PDO)



Traffic Safety Network Capital Area

2021 Traffic Crash Data & 2017-2021 5-Year Trends

Traffic Safety Network Capital Area is comprised of Clinton, Eaton, Hillsdale, Ingham, Jackson and Lenawee counties. Trend tables for this report are based on those counties.



Sources:

The crashes in this report occurred on public roadways in Michigan and resulted in injuries, fatalities, or property damage (with \$1,000 as a reporting threshold). The information was gathered from Michigan Traffic Crash Report Forms (UD-10) submitted by local police departments, sheriff's offices, and the Michigan State Police. Other related information was obtained from the departments of Transportation, State, and Community Health.

2021 - Crashes and Injury by Month

Month	Crashes				People	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	1,894	6	259	1,629	6	350
February	1,821	4	260	1,557	4	357
March	1,401	10	218	1,173	11	280
April	1,339	4	276	1,059	5	387
May	1,604	9	302	1,293	9	424
June	1,778	1	374	1,403	1	548
July	1,635	9	308	1,318	10	425
August	1,786	14	405	1,367	15	566
September	1,918	10	378	1,530	11	531
October	2,618	5	369	2,244	5	476
November	2,553	13	323	2,217	14	417
December	1,889	10	253	1,626	11	354
Total	22,236	95	3,725	18,416	102	5,115

2021 - Driver Statistics

Age Group	TSN Capital Area			Driver Rates	
	2019 Population*	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	142,686	3,661	74	5.2	202.1
16 - 20	62,541	33,224	4,020	642.8	1,210.0
21 - 24	54,452	34,759	3,432	630.3	987.4
25 - 64	392,279	346,974	20,762	529.3	598.4
65 +	132,877	129,845	3,850	289.7	296.5
Unknown	0	0	2,770	--	--
Total	784,835	548,463	34,908	444.8	636.5

*2021 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau.

2021 - Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crashes		Injury Crashes	PDO Crashes
	Number of Vehicles	% of Total	Number	% of Total	Number	Number
Passenger Car, SUV, Van	27,642	79.2	92	65.2	5,179	22,371
Motor Home	89	0.3	0	0.0	14	75
Pickup Truck	4,487	12.9	24	17.0	765	3,698
Small Truck Under 10,000 lbs. GVWR	175	0.5	0	0.0	37	138
Motorcycle	263	0.8	15	10.6	191	57
Moped/Goped	48	0.1	0	0.0	39	9
Go-Cart/Golf Cart	3	0.0	0	0.0	3	0
Snowmobile	1	0.0	0	0.0	0	1
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	17	0.0	1	0.7	6	10
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	191	0.5	2	1.4	37	152
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	1,010	2.9	7	5.0	171	832
Uncoded & Errors	982	2.8	0	0.0	92	890
Total	34,908	100.0	141	100.0	6,534	28,233

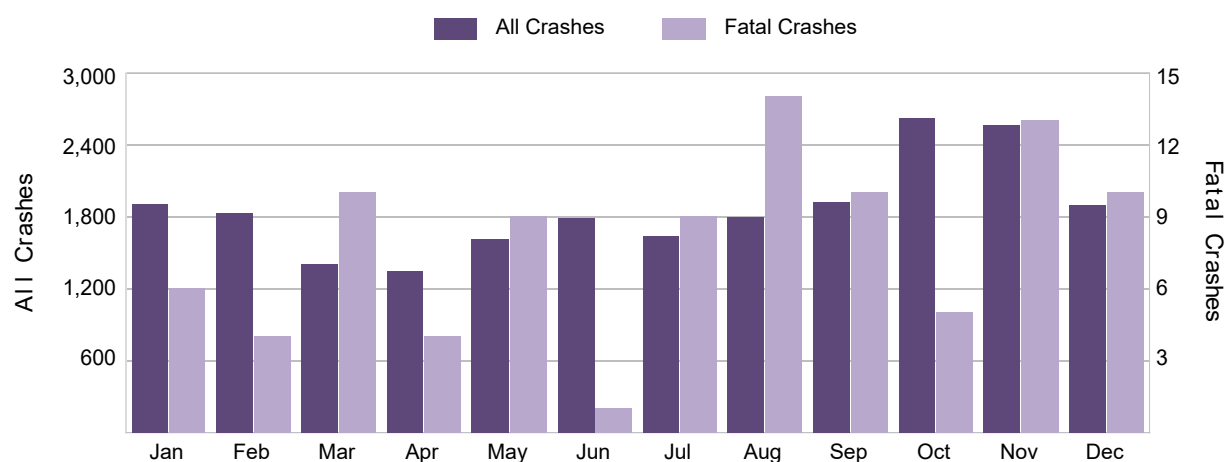
5-Year Trend - Crashes by Month

Month	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	2,144	6	2,627	6	2,451	3	2,168	3	1,894	6
February	1,548	4	2,129	2	2,048	3	2,398	4	1,821	4
March	2,106	2	1,864	6	1,828	3	1,092	4	1,401	10
April	1,634	9	1,728	4	1,596	7	749	4	1,339	4
May	1,935	4	1,837	5	1,780	9	1,164	1	1,604	9
June	1,880	8	1,802	5	1,942	3	1,526	9	1,778	1
July	1,597	5	1,580	8	1,682	6	1,571	6	1,635	9
August	1,623	9	1,616	12	1,757	7	1,469	7	1,786	14
September	1,801	8	1,846	11	1,887	5	1,633	5	1,918	10
October	2,664	9	2,670	8	2,785	11	2,235	7	2,618	5
November	2,593	5	2,917	4	3,174	8	2,213	7	2,553	13
December	2,896	3	2,077	4	2,235	5	1,724	12	1,889	10
Total	24,421	72	24,693	75	25,165	70	19,942	69	22,236	95

5-Year Trend - Crashes by Day of Week

Day	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	3,554	11	3,756	10	3,965	9	2,777	8	3,303	11
Tuesday	3,732	5	3,749	11	3,937	8	2,824	8	3,475	14
Wednesday	3,729	9	3,707	12	3,919	9	3,371	8	3,338	7
Thursday	3,836	7	3,708	6	3,776	8	3,100	11	3,246	18
Friday	4,118	15	4,273	11	3,996	16	3,106	19	3,589	14
Saturday	3,065	18	2,975	10	2,973	11	2,574	7	2,895	22
Sunday	2,387	7	2,525	15	2,599	9	2,190	8	2,390	9
Total	24,421	72	24,693	75	25,165	70	19,942	69	22,236	95

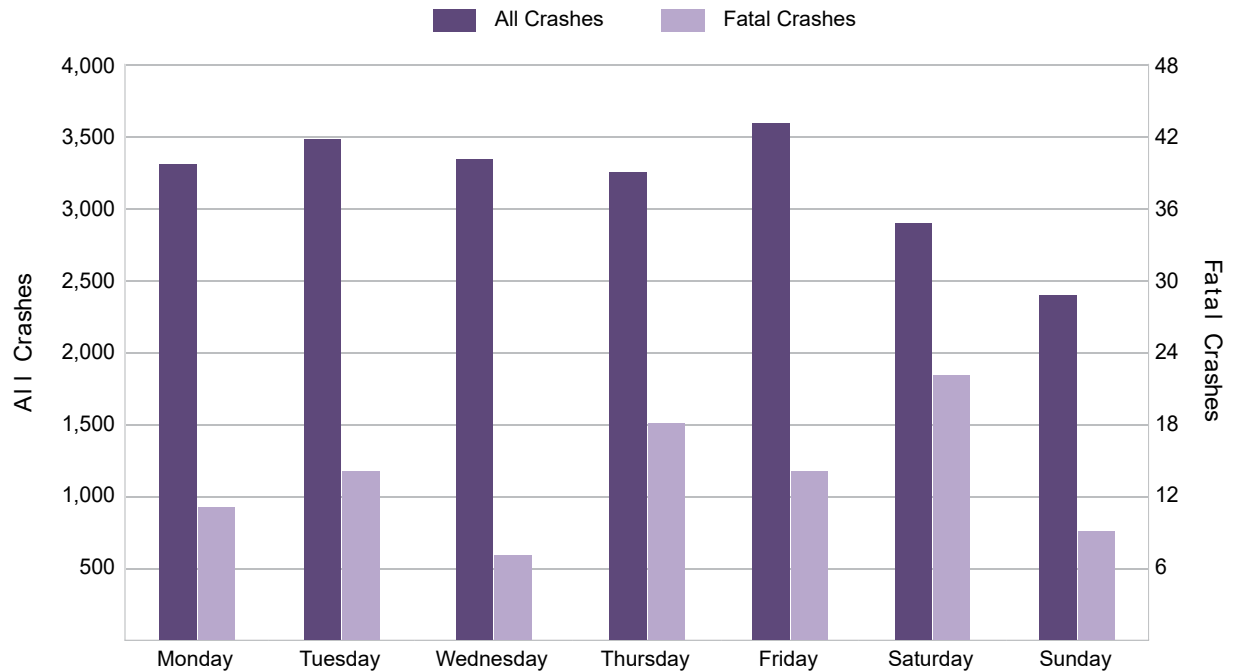
2021 Crashes by Month



2021 - Crashes by Day of Week

Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Fatal	% of Fatal	A	B	C	Number
Monday	3,303	14.9	11	11.6	44	151	336	2,761
Tuesday	3,475	15.6	14	14.7	59	163	338	2,901
Wednesday	3,338	15.0	7	7.4	65	178	304	2,784
Thursday	3,246	14.6	18	18.9	44	157	336	2,691
Friday	3,589	16.1	14	14.7	54	189	345	2,987
Saturday	2,895	13.0	22	23.2	66	184	286	2,337
Sunday	2,390	10.7	9	9.5	47	155	224	1,955
Total	22,236	100.0	95	100.0	379	1,177	2,169	18,416

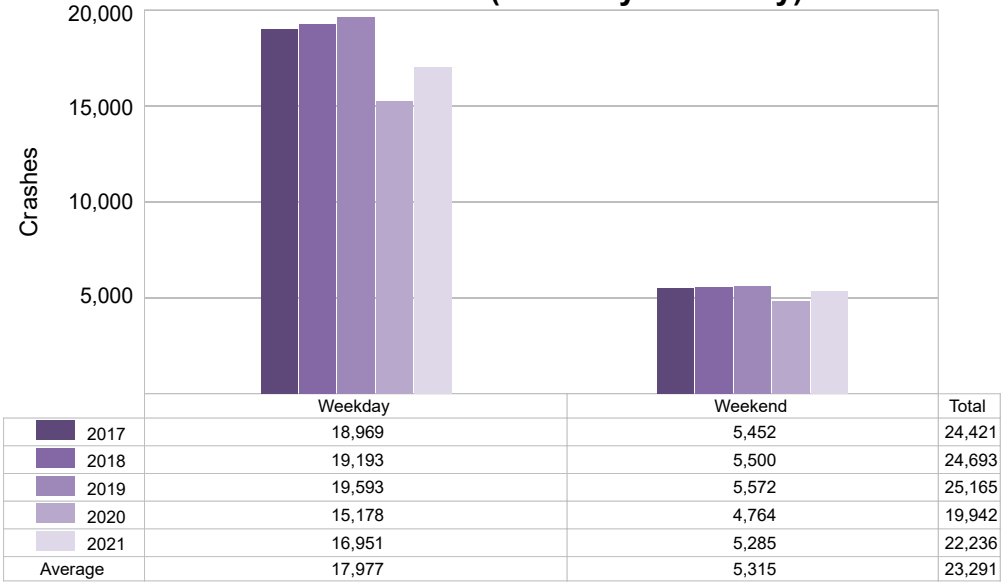
2021 Day of Week and Severity



5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	18,969	47	19,193	50	19,593	50	15,178	54	16,951	64
Weekend	5,452	25	5,500	25	5,572	20	4,764	15	5,285	31
Total	24,421	72	24,693	75	25,165	70	19,942	69	22,236	95

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

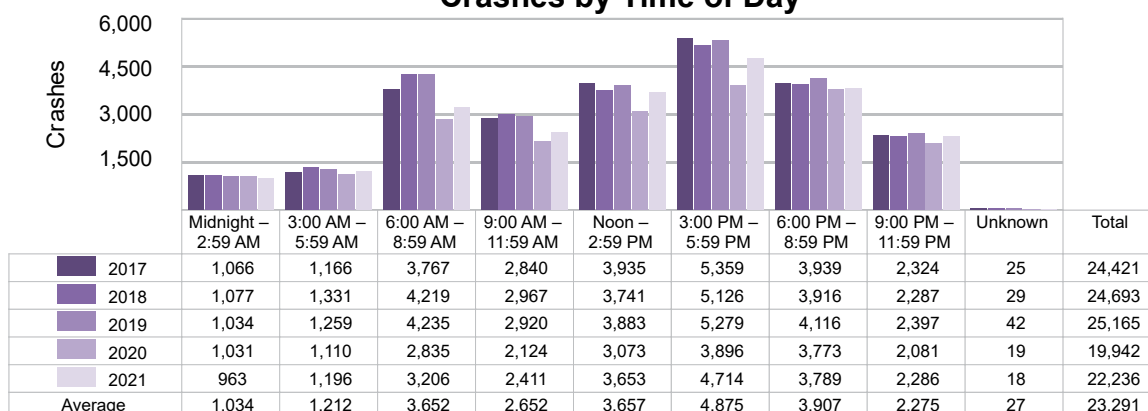


5-Year Trend - Crashes by Time of Day

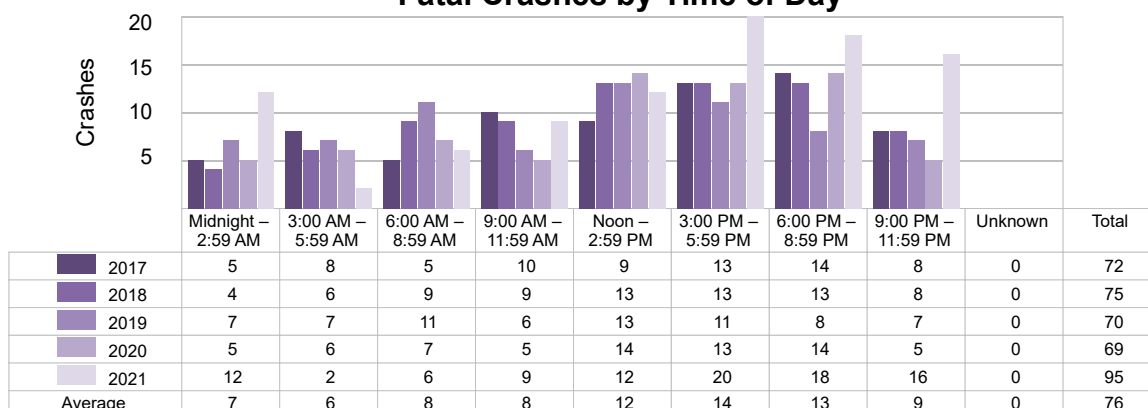
Time of Day	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight – 2:59 AM	1,066	5	1,077	4	1,034	7	1,031	5	963	12
3:00 AM – 5:59 AM	1,166	8	1,331	6	1,259	7	1,110	6	1,196	2
6:00 AM – 8:59 AM	3,767	5	4,219	9	4,235	11	2,835	7	3,206	6
9:00 AM – 11:59 AM	2,840	10	2,967	9	2,920	6	2,124	5	2,411	9
Noon – 2:59 PM	3,935	9	3,741	13	3,883	13	3,073	14	3,653	12
3:00 PM – 5:59 PM	5,359 †	13	5,126 †	13	5,279 †	11	3,896 †	13	4,714 †	20
6:00 PM – 8:59 PM	3,939	14	3,916	13	4,116	8	3,773	14	3,789	18
9:00 PM – 11:59 PM	2,324	8	2,287	8	2,397	7	2,081	5	2,286	16
Unknown	25	0	29	0	42	0	19	0	18	0
Total	24,421	72	24,693	75	25,165	70	19,942	69	22,236	95

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

5-Year Trend Crashes by Time of Day

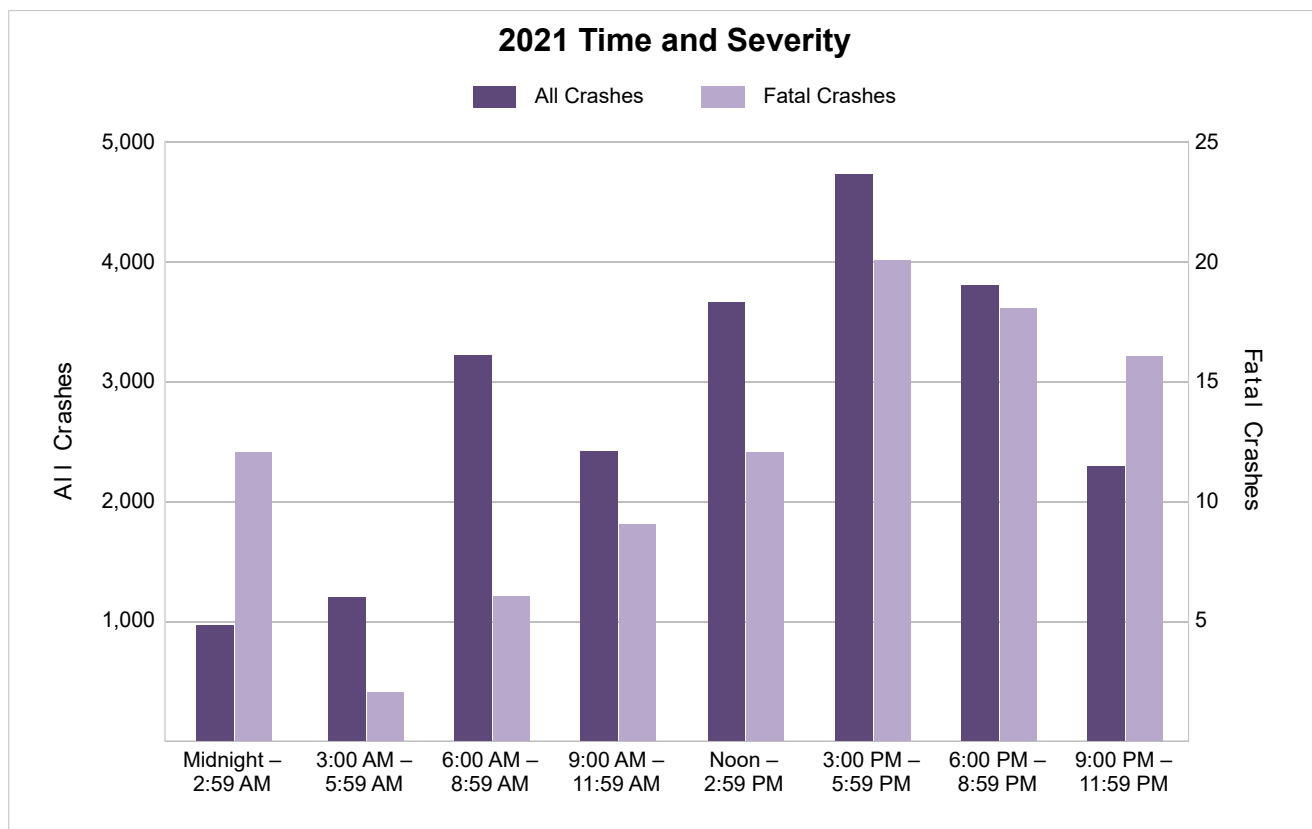


5-Year Trend Fatal Crashes by Time of Day



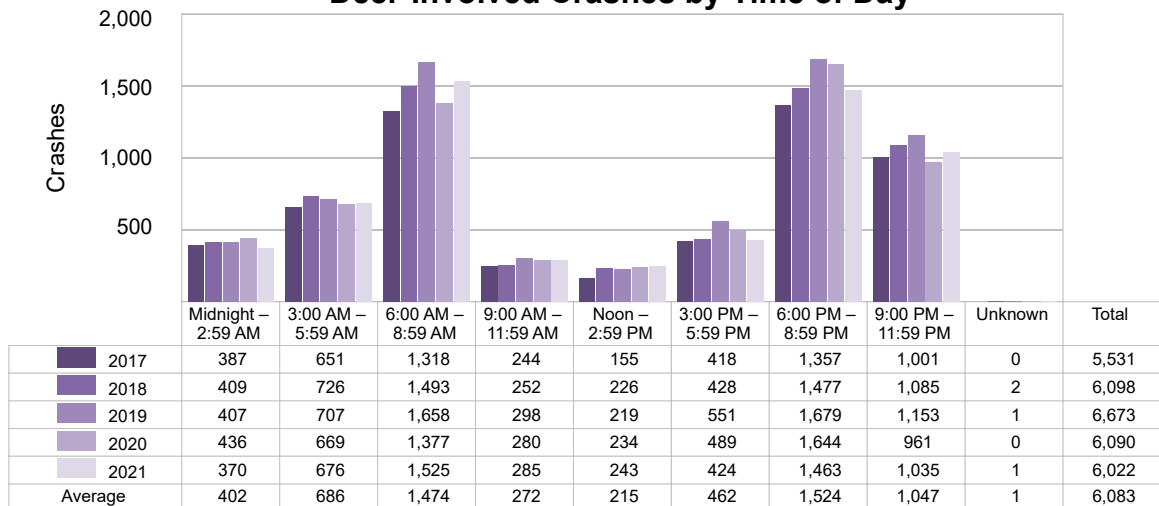
2021 - Time and Severity

Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight – 2:59 AM	963	4.3	12	12.6	21	62	84	784
3:00 AM – 5:59 AM	1,196	5.4	2	2.1	16	47	81	1,050
6:00 AM – 8:59 AM	3,206	14.4	6	6.3	29	118	230	2,823
9:00 AM – 11:59 AM	2,411	10.8	9	9.5	39	135	251	1,977
Noon – 2:59 PM	3,653	16.4	12	12.6	60	224	439	2,918
3:00 PM – 5:59 PM	4,714	21.2	20	21.1	91	280	547	3,776
6:00 PM – 8:59 PM	3,789	17.0	18	18.9	81	194	342	3,154
9:00 PM – 11:59 PM	2,286	10.3	16	16.8	42	117	193	1,918
Unknown	18	0.1	0	0.0	0	0	2	16
Total	22,236	100.0	95	100.0	379	1,177	2,169	18,416

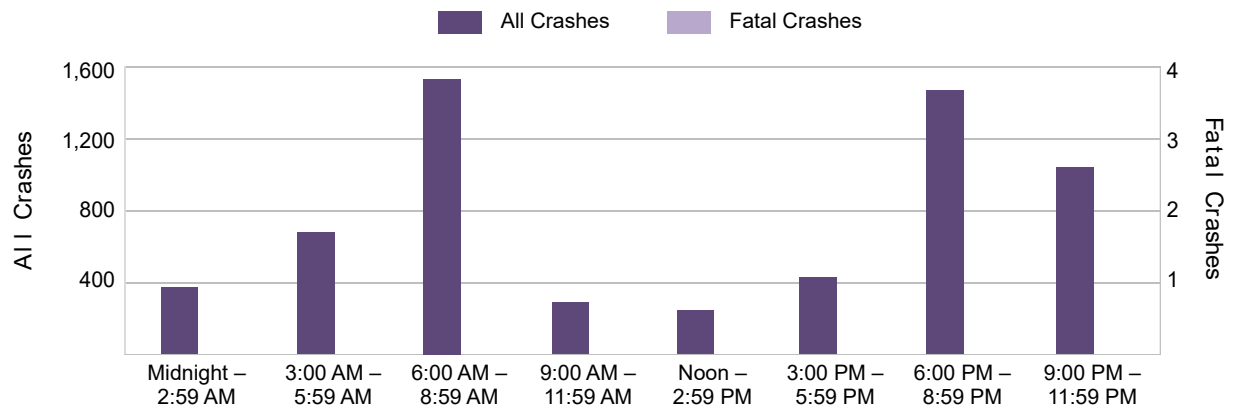


5-Year Trend - Deer-Involved Crashes by Time of Day

Time of Day	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight – 2:59 AM	387	0	409	0	407	0	436	0	370	0
3:00 AM – 5:59 AM	651	0	726	0	707	0	669	0	676	0
6:00 AM – 8:59 AM	1,318	0	1,493	0	1,658	0	1,377	0	1,525	0
9:00 AM – 11:59 AM	244	0	252	0	298	0	280	1	285	0
Noon – 2:59 PM	155	0	226	1	219	0	234	0	243	0
3:00 PM – 5:59 PM	418	0	428	0	551	0	489	0	424	0
6:00 PM – 8:59 PM	1,357	0	1,477	0	1,679	0	1,644	0	1,463	0
9:00 PM – 11:59 PM	1,001	1	1,085	0	1,153	0	961	0	1,035	0
Unknown	0	0	2	0	1	0	0	0	1	0
Total	5,531	1	6,098	1	6,673	0	6,090	1	6,022	0

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

2021 Time and Severity of Deer-Involved Crashes

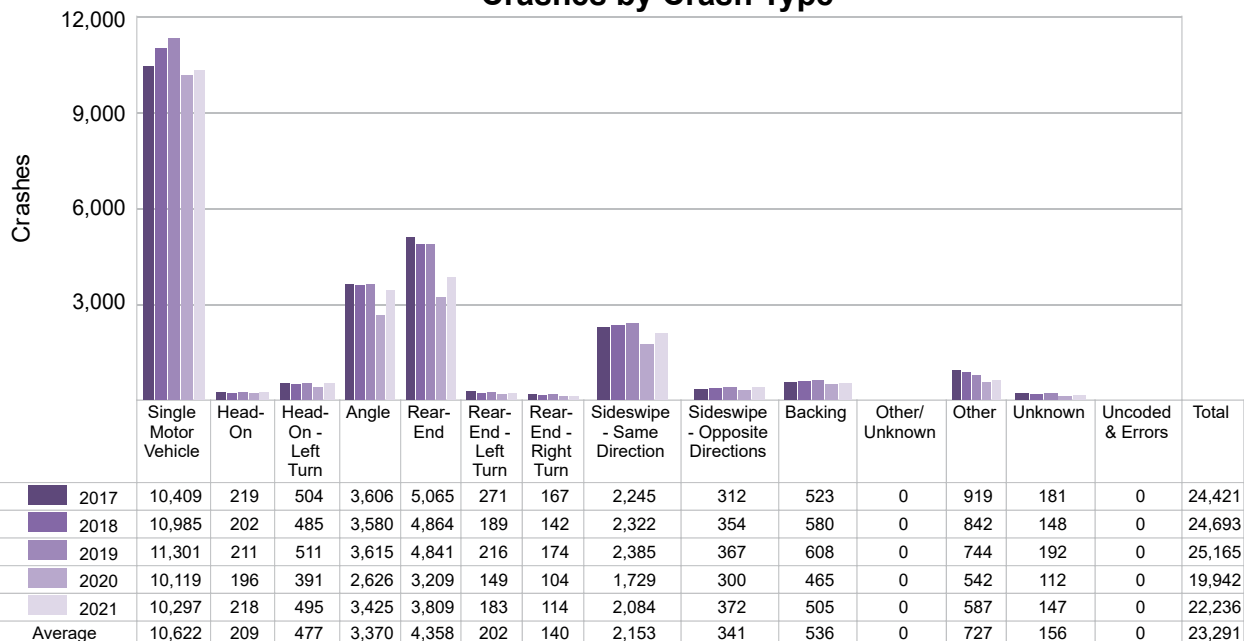


There were no fatal deer-involved crashes in TSN Capital Area in 2021.

5-Year Trend - Crashes by Crash Type

Crash Type	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Single Motor Vehicle	10,409	39	10,985	31	11,301	31	10,119	30	10,297	54
Head-On	219	6	202	9	211	13	196	10	218	11
Head-On - Left Turn	504	5	485	3	511	3	391	3	495	0
Angle	3,606	12	3,580	16	3,615	15	2,626	19	3,425	26
Rear-End	5,065	4	4,864	5	4,841	4	3,209	4	3,809	2
Rear-End - Left Turn	271	1	189	3	216	1	149	0	183	0
Rear-End - Right Turn	167	0	142	1	174	0	104	0	114	0
Sideswipe - Same Direction	2,245	1	2,322	1	2,385	1	1,729	1	2,084	0
Sideswipe - Opposite Directions	312	0	354	0	367	0	300	0	372	1
Backing	523	0	580	1	608	0	465	0	505	0
Other/Unknown	0	0	0	0	0	0	0	0	0	0
Other	919	4	842	5	744	2	542	2	587	1
Unknown	181	0	148	0	192	0	112	0	147	0
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0
Total	24,421	72	24,693	75	25,165	70	19,942	69	22,236	95

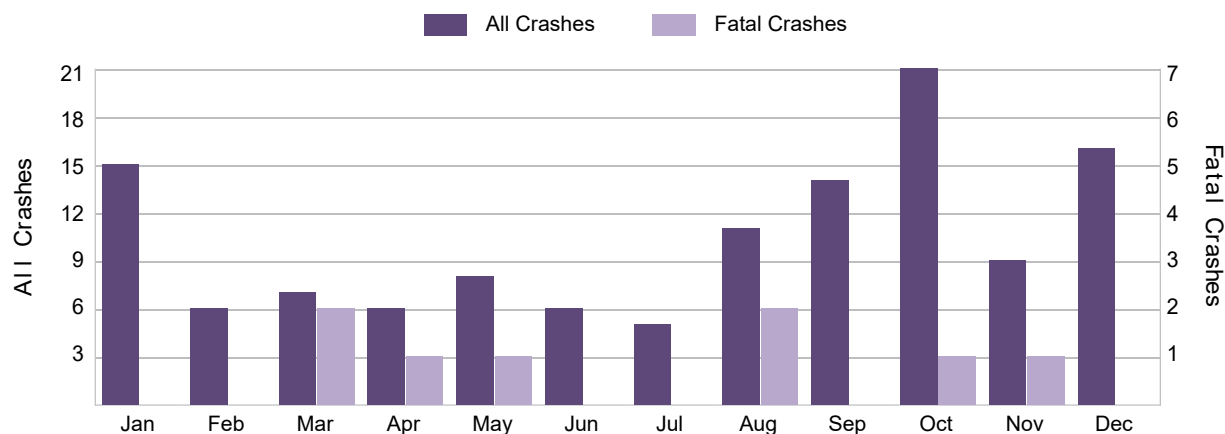
5-Year Trend Crashes by Crash Type



5-Year Trend - Pedestrian-Involved Crashes by Month

Month	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	17	0	18	1	15	0	16	2	15	0
February	14	0	13	0	7	0	11	0	6	0
March	18	1	10	2	13	0	3	0	7	2
April	21	5	14	0	11	1	5	0	6	1
May	17	1	8	0	9	1	2	0	8	1
June	16	0	9	0	8	0	14	1	6	0
July	7	1	10	1	12	0	7	0	5	0
August	10	1	6	0	6	0	10	1	11	2
September	17	1	14	2	17	1	11	1	14	0
October	20	1	16	0	22	2	11	1	21	1
November	23	1	22	1	16	0	13	1	9	1
December	14	0	10	0	15	2	7	3	16	0
Total	194	12	150	7	151	7	110	10	124	8

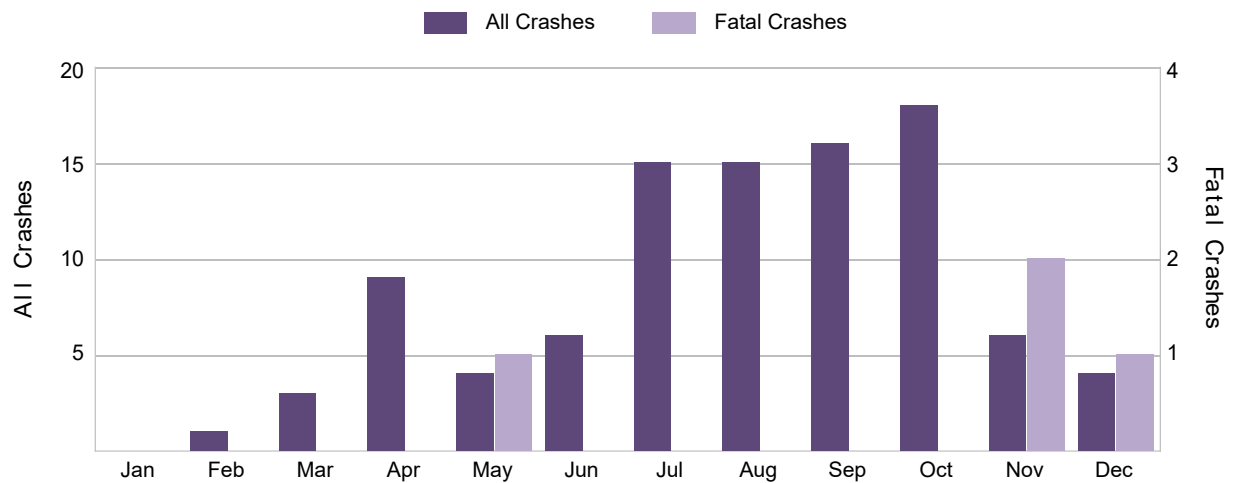
2021 Pedestrian-Involved Crashes by Month



5-Year Trend - Bicyclist-Involved Crashes by Month

Month	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	5	1	3	0	3	0	3	0	0	0
February	4	0	4	0	1	0	6	0	1	0
March	5	0	9	0	7	0	3	0	3	0
April	15	0	1	0	5	0	4	0	9	0
May	14	1	19	1	8	0	5	0	4	1
June	12	0	11	1	22	0	5	0	6	0
July	11	0	12	0	17	0	14	0	15	0
August	16	1	18	0	13	1	15	1	15	0
September	27	0	19	0	26	0	10	0	16	0
October	22	0	25	0	24	0	8	0	18	0
November	11	0	14	0	7	0	7	1	6	2
December	4	0	6	0	1	0	3	1	4	1
Total	146	3	141	2	134	1	83	3	97	4

2021 Bicyclist-Involved Crashes by Month



2021 - Reported Motor Vehicle Crashes by County

County	Crashes												
	Total	Fatal	Injury	Property Damage	Inter-State	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Pedestrian-Involved	Bicyclist-Involved
Clinton	2,201	4	265	1,932	349	311	258	1,282	51	23	1,116	4	3
Eaton	2,787	12	470	2,305	462	0	1,017	1,306	93	41	720	14	10
Hillsdale	1,737	9	204	1,524	0	227	431	1,078	42	18	936	6	1
Ingham	7,887	30	1,603	6,254	1,233	324	1,879	4,442	256	67	976	66	58
Jackson	5,239	21	725	4,493	769	267	898	3,301	194	50	1,544	17	19
Lenawee	2,385	19	458	1,908	0	506	515	1,361	110	26	730	17	6
Total	22,236	95	3,725	18,416	2,813	1,635	4,998	12,770	746	225	6,022	124	97

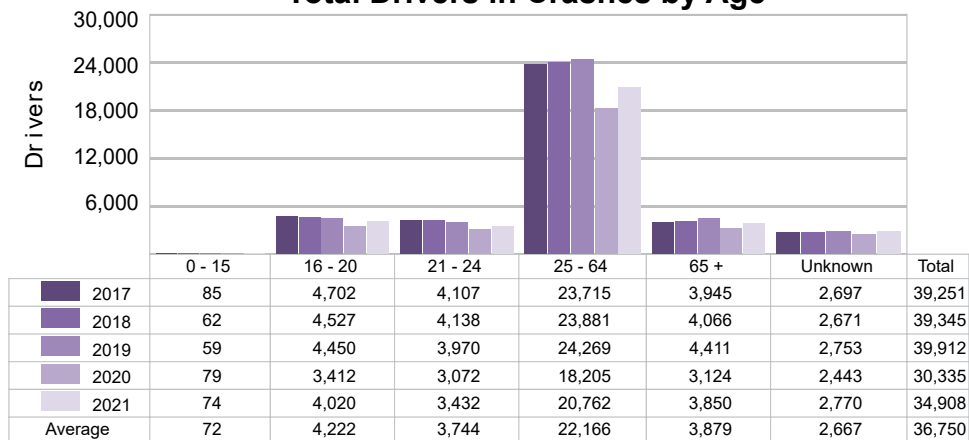
2021 - People in Reported Motor Vehicle Crashes by County

County	People					
	Fatalities	Suspected Serious Injuries	Suspected Minor Injuries	Possible Injuries	No Injuries	Uncoded & Errors
Clinton	4	70	221	273	2,867	79
Eaton	14	142	317	644	4,339	265
Hillsdale	11	59	168	200	2,105	75
Ingham	32	328	1,118	2,732	13,438	1,564
Jackson	21	163	457	1,018	7,619	591
Lenawee	20	145	433	486	3,362	268
Total	102	907	2,714	5,353	33,730	2,842

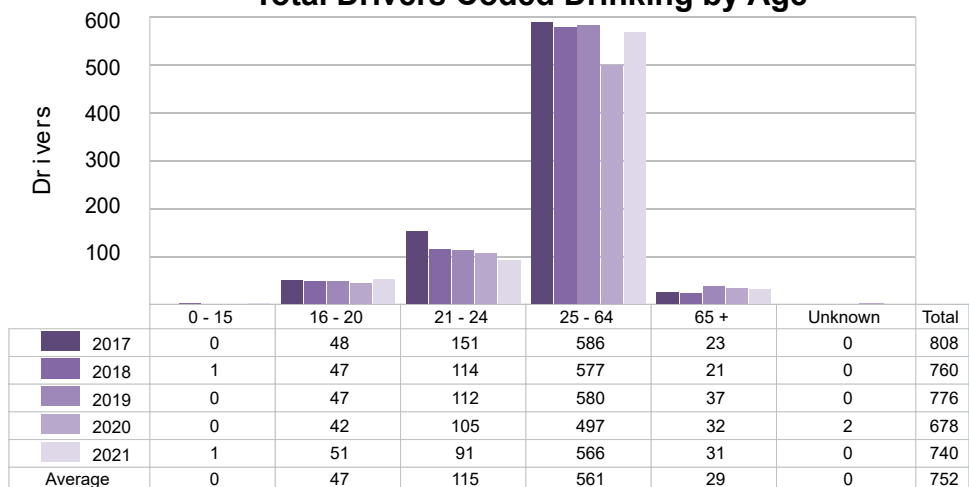
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2017		2018		2019		2020		2021	
	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking
0 - 15	85	0	62	1	59	0	79	0	74	1
16 - 20	4,702	48	4,527	47	4,450	47	3,412	42	4,020	51
21 - 24	4,107	151	4,138	114	3,970	112	3,072	105	3,432	91
25 - 64	23,715	586	23,881	577	24,269	580	18,205	497	20,762	566
65 +	3,945	23	4,066	21	4,411	37	3,124	32	3,850	31
Unknown	2,697	0	2,671	0	2,753	0	2,443	2	2,770	0
Total	39,251	808	39,345	760	39,912	776	30,335	678	34,908	740

5-Year Trend Total Drivers in Crashes by Age



5-Year Trend Total Drivers Coded Drinking by Age



2021 - Bodily Alcohol Concentration (BAC) Results Among All Vehicle Drivers in Alcohol-Involved Crashes by Age

Age Group	Drivers				BAC Result Range for Drivers Coded Drinking				
	Total Drivers in Alcohol-Involved Crashes	Total Drivers Tested in all Crashes	Total Drivers Coded Drinking, Tested	Total Drivers Coded Drinking	BAC = 0.00	BAC 0.01 g/dL to 0.07 g/dL	BAC 0.08 g/dL to 0.16 g/dL	BAC 0.17 g/dL and Above	BAC Not Reported
0 - 15	1	2	1	1	0	0	0	0	1
16 - 20	82	70	45	51	0	8	13	13	17
21 - 24	118	97	71	91	0	7	17	24	43
25 - 64	746	599	449	566	1	54	82	132	297
65 +	56	50	27	31	0	4	7	5	15
Unknown	72	0	0	0	0	0	0	0	0
Total	1,075	818	593	740	1	73	119	174	373

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

BAC may not be reported if drivers are not tested or if the results are not available immediately (as in the case of a blood test).

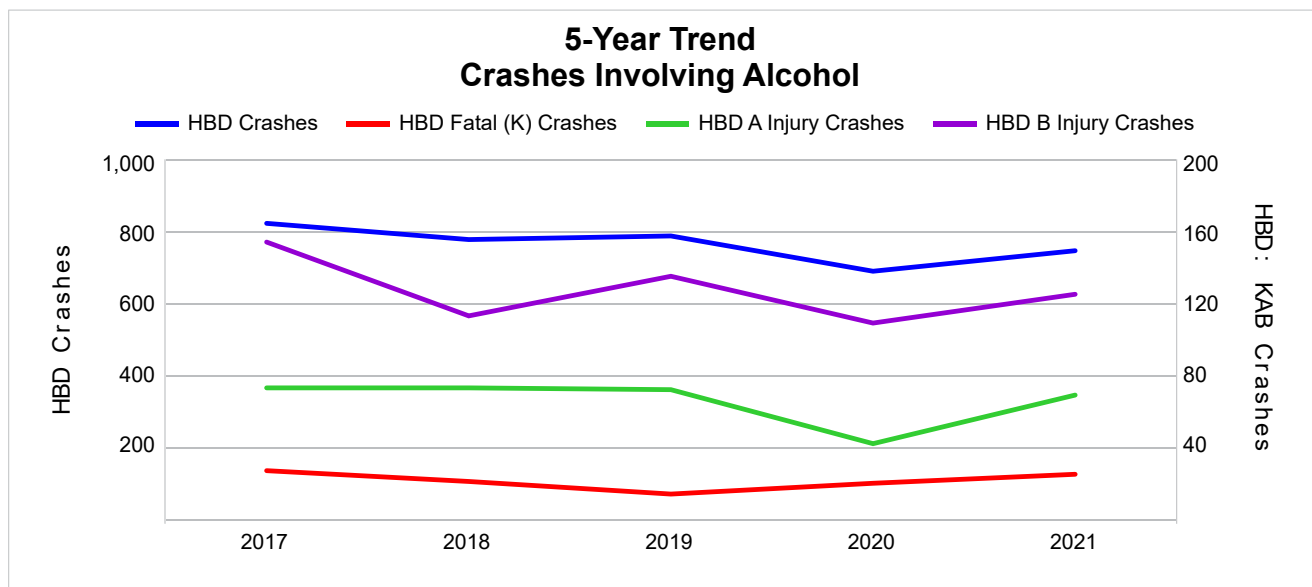
A driver may be coded by the officer as drinking even though no test is administered.

5-Year Trend - Crashes Involving Alcohol

Year	All Crashes	HBD Crashes	% HBD	Fatal Crashes	HBD Fatal Crashes	% HBD	A Injury Crashes	HBD A Injury Crashes	% HBD	B Injury Crashes	HBD B Injury Crashes	% HBD
2017	24,421	822	3.4	72	27	37.5	437	73	16.7	1,201	154	12.8
2018	24,693	777	3.1	75	21	28.0	390	73	18.7	1,172	113	9.6
2019	25,165	787	3.1	70	14	20.0	426	72	16.9	1,202	135	11.2
2020	19,942	689	3.5	69	20	29.0	333	42	12.6	1,005	109	10.8
2021	22,236	746	3.4	95 **	25	26.3	379	69	18.2	1,177	125	10.6

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

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



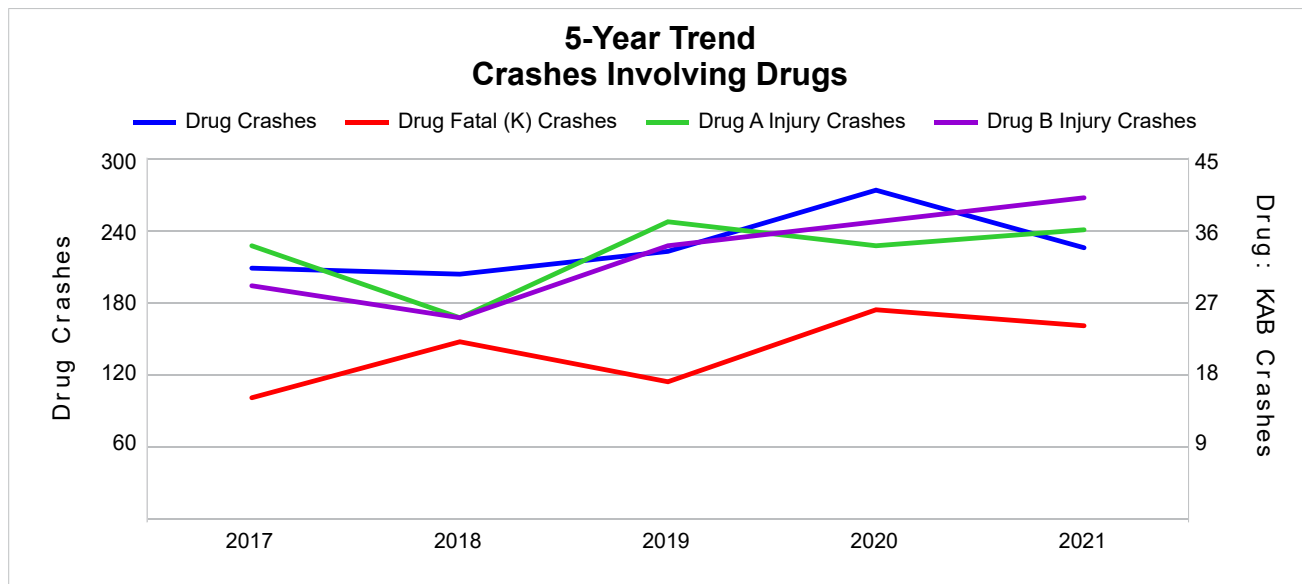
Note: Had-Been-Drinking (HBD)

5-Year Trend - Crashes Involving Drugs

Year	All Crashes	Drug Crashes	% Drug	Fatal Crashes	Drug Fatal Crashes	% Drug	A Injury Crashes	Drug A Injury Crashes	% Drug	B Injury Crashes	Drug B Injury Crashes	% Drug
2017	24,421	208	0.9	72	15	20.8	437	34	7.8	1,201	29	2.4
2018	24,693	203	0.8	75	22	29.3	390	25	6.4	1,172	25	2.1
2019	25,165	222	0.9	70	17	24.3	426	37	8.7	1,202	34	2.8
2020	19,942	273	1.4	69	26	37.7	333	34	10.2	1,005	37	3.7
2021	22,236	225	1.0	95 **	24	25.3	379	36	9.5	1,177	40 **	3.4

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

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

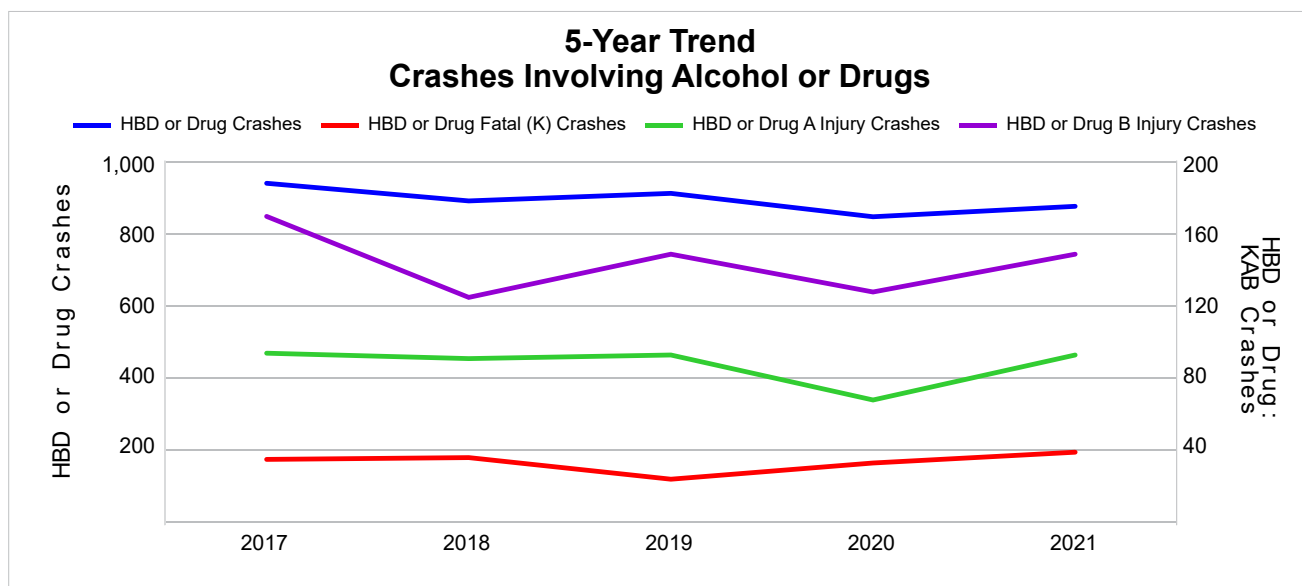


5-Year Trend - Crashes Involving Alcohol or Drugs

Year	All Crashes	HBD or Drug Crashes	% HBD or Drug	Fatal Crashes	HBD or Drug Fatal Crashes	% HBD or Drug	A Injury Crashes	HBD or Drug A Injury Crashes	% HBD or Drug	B Injury Crashes	HBD or Drug B Injury Crashes	% HBD or Drug
2017	24,421	937	3.8	72	34	47.2	437	93	21.3	1,201	169	14.1
2018	24,693	888	3.6	75	35	46.7	390	90	23.1	1,172	124	10.6
2019	25,165	909	3.6	70	23	32.9	426	92	21.6	1,202	148	12.3
2020	19,942	844	4.2	69	32	46.4	333	67	20.1	1,005	127	12.6
2021	22,236	873	3.9	95 **	38 **	40.0	379	92	24.3 **	1,177	148	12.6

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

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



Note: Had-Been-Drinking (HBD)

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

Vehicle Type	Total Occupants			Fatalities			A - Suspected Serious			B - Suspected Minor			C - Possible Injury			No Injury		
	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%
Passenger Car, SUV, Van	28,632	25,929	90.6	58	37	63.8	309	231	74.8	1,108	979	88.4	2,653	2,484	93.6	22,985	22,198	96.6
Motor Home	92	87	94.6	0	0	0.0	1	0	0.0	3	2	66.7	9	9	100.0	78	76	97.4
Pickup Truck	4,600	4,128	89.7	13	4	30.8	39	27	69.2	171	145	84.8	277	246	88.8	3,845	3,706	96.4
Small Truck Under 10,000 lbs. GVWR	178	158	88.8	0	0	0.0	0	0	0.0	6	6	100.0	12	11	91.7	147	141	95.9
Motorcycle	283	161	56.9	15	6	40.0	69	29	42.0	93	57	61.3	43	30	69.8	56	39	69.6
Moped/Goped	49	15	30.6	0	0	0.0	9	0	0.0	17	9	52.9	13	3	23.1	9	3	33.3
Go-Cart/Golf Cart	5	2	40.0	0	0	0.0	1	0	0.0	1	1	100.0	3	1	33.3	0	0	0.0
Snowmobile	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	17	5	29.4	1	0	0.0	2	1	50.0	3	1	33.3	1	0	0.0	9	3	33.3
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	194	131	67.5	0	0	0.0	1	0	0.0	7	3	42.9	17	7	41.2	151	121	80.1
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	1,021	932	91.3	3	1	33.3	9	8	88.9	19	18	94.7	34	26	76.5	912	879	96.4
Uncoded & Errors	982	1	0.1	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	1	25.0
Total	36,054	31,549	87.5	90	48	53.3	440	296	67.3	1,428	1,221	85.5	3,062	2,817	92.0	28,197	27,167	96.3

Note: Restraint Use includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, child restraint used, restraint failure, and helmet worn.

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

Age Group	Total Occupants			Fatalities			A - Suspected Serious			B - Suspected Minor			C - Possible Injury			No Injury		
	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%
0 - 15	395	336	85.1	3	1	33.3	21	16	76.2	77	59	76.6	233	207	88.8	59	53	89.8
16 - 20	4,189	3,977	94.9	9	7	77.8	44	30	68.2	190	156	82.1	378	347	91.8	3,562	3,437	96.5
21 - 24	3,542	3,336	94.2	7	1	14.3	42	28	66.7	179	144	80.4	302	281	93.0	2,996	2,882	96.2
25 - 64	21,195	20,093	94.8	51	24	47.1	272	174	64.0	772	667	86.4	1,772	1,629	91.9	18,278	17,599	96.3
65 +	3,963	3,805	96.0	20	15	75.0	61	48	78.7	210	195	92.9	377	353	93.6	3,290	3,194	97.1
Unknown	2,770	2	0.1	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	12	2	16.7
Total	36,054	31,549	87.5	90	48	53.3	440	296	67.3	1,428	1,221	85.5	3,062	2,817	92.0	28,197	27,167	96.3

Note: Restraint Use includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, child restraint used, restraint failure, and helmet worn.

5-Year Trend - Restraint Use Among Drivers

Restraint Use	2017			2018			2019			2020			2021		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No Belts Available	80	0	11	81	1	13	80	0	7	60	0	12	84	0	22
Shoulder Belt Only Used	180	0	31	157	0	18	137	1	15	129	0	16	131	0	12
Lap Belt Only Used	113	0	12	94	1	12	109	0	13	60	0	7	71	0	6
Both Lap & Shoulder Belt Used	34,638	17	3,604	34,711	30	3,513	35,329	19	3,618	26,321	18	2,792	30,191	34	3,223
No Belts Used	235	12	89	234	13	91	229	11	121	206	13	111	221	17	109
Child Restraint Used - Forward Facing	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Not Used, Unavailable or Improper Use	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Used - Rear Facing	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Used - Booster Seat	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Restraint Failure	9	0	3	12	0	1	11	0	1	1	0	0	7	0	1
Restraint Use Unknown	2,984	4	138	3,195	2	139	3,175	5	135	2,825	7	128	3,449	7	201
Helmet Worn	179	11	120	162	7	115	179	6	138	162	4	121	167	6	118
Helmet Not Worn	136	5	108	128	3	95	120	5	89	121	9	93	129	8	103
Helmet Use Unknown	20	1	12	11	1	6	12	5	3	16	0	10	18	2	5
Uncoded & Errors	674	0	1	560	0	0	529	0	0	434	0	0	440	0	0
Total	39,251	50	4,129	39,345	58	4,003	39,912	52	4,140	30,335	51	3,290	34,908	74	3,800

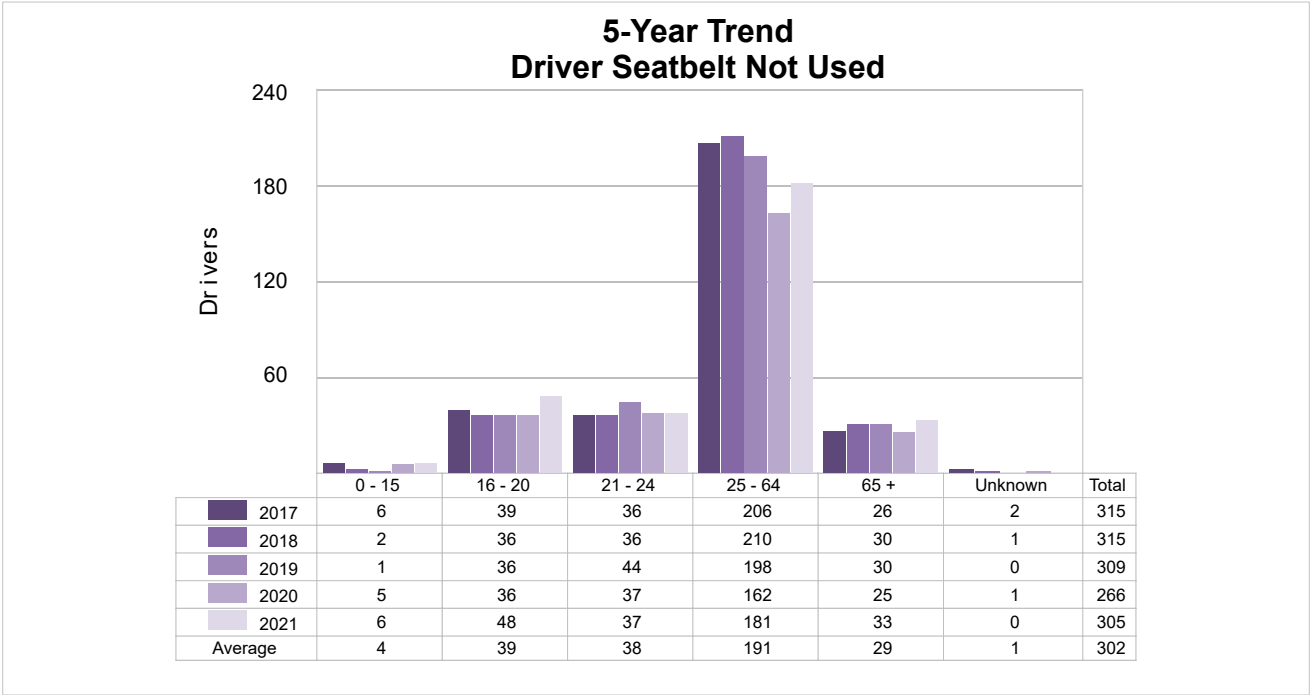
5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2017			2018			2019			2020			2021		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No Belts Available	1	0	0	1	0	1	2	0	1	2	0	0	4	0	2
Shoulder Belt Only Used	1	0	1	3	0	1	6	0	0	3	0	1	3	0	0
Lap Belt Only Used	3	0	2	1	0	0	2	0	2	1	0	1	3	0	2
Both Lap & Shoulder Belt Used	573	6	194	547	2	188	544	0	179	484	3	164	507	1	190
No Belts Used	52	5	32	40	4	27	57	3	43	42	5	29	41	7	25
Child Restraint Used - Forward Facing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Not Used, Unavailable or Improper Use	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Used - Rear Facing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Used - Booster Seat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint Failure	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Restraint Use Unknown	153	3	53	148	1	51	142	3	52	133	0	44	159	2	47
Helmet Worn	8	3	5	6	3	2	6	0	4	2	0	2	5	1	4
Helmet Not Worn	15	1	14	12	1	11	16	2	12	10	4	3	17	4	12
Helmet Use Unknown	2	0	2	1	0	0	1	1	0	1	0	1	1	1	0
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	808	18	303	760	11	282	776	9	293	678	12	245	740	16	282

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

Age Group	2017			2018			2019			2020			2021		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	6	0	3	2	0	0	1	0	0	5	0	3	6	0	4
16 - 20	39	1	11	36	0	14	36	4	13	36	0	16	48	1	21
21 - 24	36	2	13	36	1	13	44	2	20	37	1	15	37	3	20
25 - 64	206	9	68	210	9	68	198	4	84	162	7	79	181	11	65
65 +	26	0	5	30	4	9	30	1	11	25	5	10	33	2	21
Unknown	2	0	0	1	0	0	0	0	0	1	0	0	0	0	0
Total	315	12	100	315	14	104	309	11	128	266	13	123	305	17	131

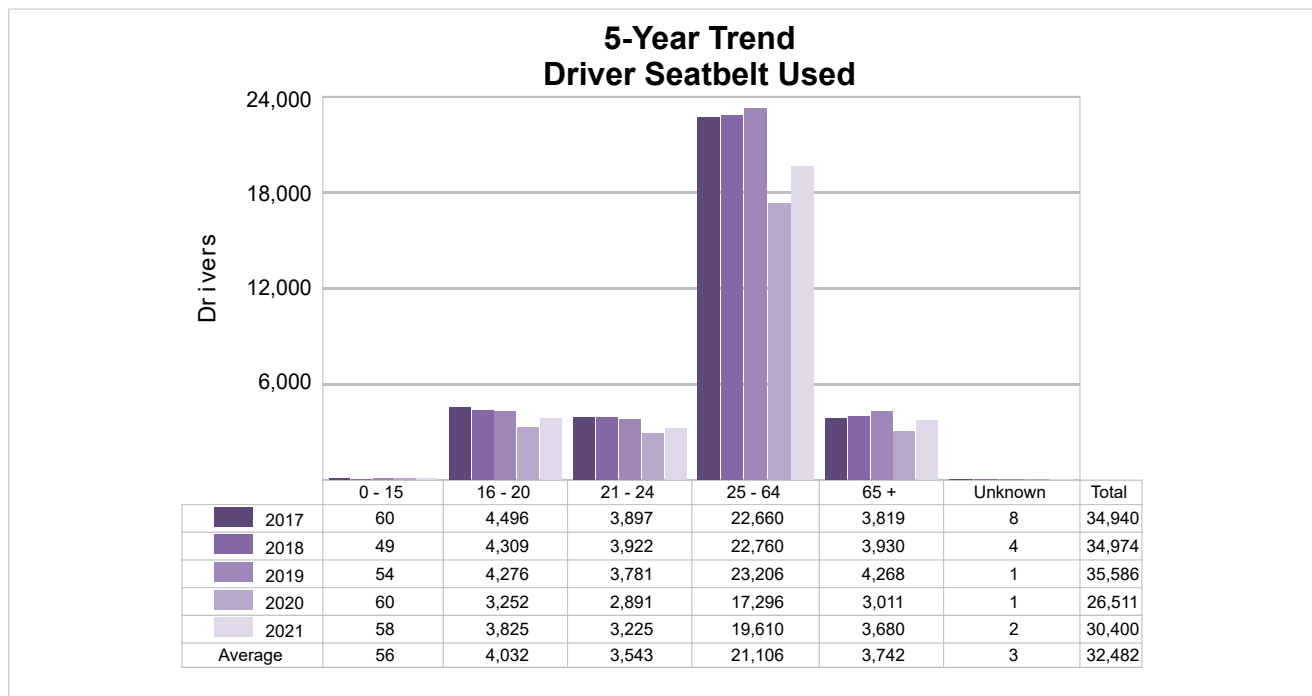
Note: Seatbelt Not Used includes no belts available or no belts used.



5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2017			2018			2019			2020			2021		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	60	0	9	49	0	3	54	0	9	60	0	12	58	1	5
16 - 20	4,496	0	503	4,309	4	468	4,276	1	445	3,252	3	333	3,825	4	386
21 - 24	3,897	0	398	3,922	4	355	3,781	0	347	2,891	2	317	3,225	1	348
25 - 64	22,660	14	2,289	22,760	15	2,242	23,206	11	2,357	17,296	9	1,795	19,610	14	2,029
65 +	3,819	3	451	3,930	8	475	4,268	8	489	3,011	4	358	3,680	14	474
Unknown	8	0	0	4	0	1	1	0	0	1	0	0	2	0	0
Total	34,940	17	3,650	34,974	31	3,544	35,586	20	3,647	26,511	18	2,815	30,400	34	3,242

Note: Seatbelt Used includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, and restraint failure.



5-Year Trend - Drivers in Crashes by Hazardous Action

Hazardous Action	2017		2018		2019		2020		2021	
	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes
None	20,858	43	21,279	55	21,805	46	16,733	47	19,188	49
Speed Too Fast	2,380	16	2,461	18	2,256	13	1,726	8	1,733	23
Speed Too Slow	22	0	31	0	16	0	9	0	14	0
Failed to Yield	3,642	11	3,532	11	3,592	10	2,526	11	3,248	9
Disregard Traffic Control	827	4	877	6	872	5	733	7	919	8
Drove Wrong Way	30	2	28	0	23	0	24	1	32	1
Drove Left of Center	146	3	178	4	173	8	163	5	175	7
Improper Passing	187	1	185	0	201	2	158	1	194	1
Improper Lane Use	887	0	837	1	907	1	600	0	750	0
Improper Turn	416	1	417	0	407	1	337	0	401	0
Improper/No Signal	28	0	31	0	25	0	15	0	21	0
Improper Backing	683	0	620	0	649	0	429	0	481	0
Unable to Stop in Assured Clear Distance	4,895	5	4,594	5	4,626	4	2,976	3	3,547	2
Other	1,057	3	1,084	4	1,031	4	856	5	966	6
Unknown	1,464	15	1,569	12	1,562	17	1,371	10	1,752	22
Reckless Driving	219	2	177	2	198	4	248	5	223	7
Careless/Negligent Driving	822	2	810	9	963	2	957	7	827	6
Uncoded & Errors	688	0	635	0	606	0	474	0	437	0
Total	39,251	108	39,345	127	39,912	117	30,335	110	34,908	141

Office of Highway Safety Planning

Physical Address:
7150 Harris Drive
Dimondale, Michigan 48821

Mailing Address:
P.O. Box 30634
Lansing, Michigan 48909

Find us on the web:
MichiganTrafficCrashFacts.org
mtcf-info@umich.edu

