



2021

Michigan Traffic Crash Facts

MTCF
Michigan Traffic
Crash Facts

Reporting Criteria

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

Crash

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

Examples: Time, weather, and location.

Units

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

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

People

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

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

KABCO Injury Indicator:

K = Killed

A = Suspected Serious Injury

B = Suspected Minor Injury

C = Possible Injury

O = No Injury

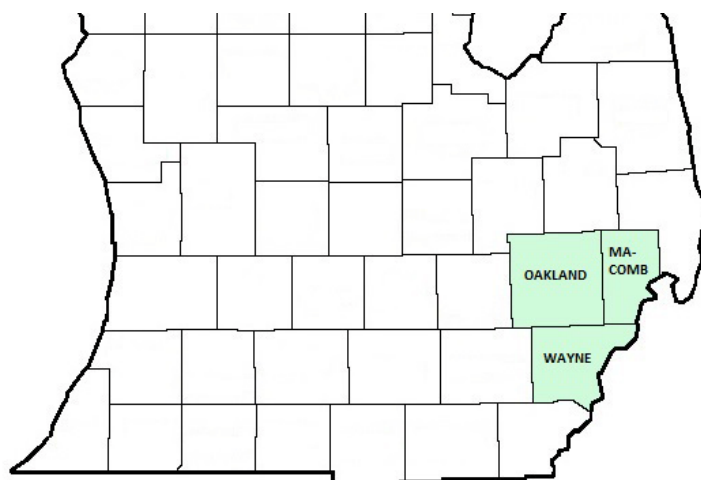
Property Damage Only (PDO)



Michigan State Police (MSP) District 2 - Metro

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

Beginning in 2011, District 2 is comprised of Macomb, Oakland and Wayne 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.

MSP District 2 - Metro

- There were 104,399 crashes in District 2 during 2021. [Page 1]
- A total of 344 fatalities resulted from 323 fatal crashes in 2021 in District 2. [Page 1]
- There were 31,525 injuries and 22,669 injury crashes. [Page 1]
- There were 81,407 property damage only crashes (no fatalities or injuries). [Page 1]
- October had the highest number of crashes (10,502). [Pages 1-2]
- March had the highest number of fatal crashes (36) and fatalities (39). [Pages 1-2]
- October had the highest number of injury crashes (2,262) and injuries (3,150). [Page 1]
- October had the highest number of property damage only crashes (8,210). [Page 1]
- Of all vehicles involved in fatal crashes, 46 (8.9%) were motorcycles. [Page 1]
- Friday was the day of the week with the highest number of crashes (17,331) and Sunday had the highest number of fatal crashes (62). [Pages 2-3]
- The 3:00 PM – 5:59 PM time period had the highest number of crashes (26,496). This holds true for every year between 2017 and 2021. The 6:00 PM – 8:59 PM time period had the highest number of fatal crashes (65). [Pages 5-6]
- During the period from 2017 to 2021, the highest number of deer crashes occurred in 2019 (3,120). The 6:00 PM – 8:59 PM time period consistently had the highest number of deer-involved crashes during the five-year period. There were 0 fatal crashes involving deer in 2021. [Page 7]
- Wayne County (48.4%) had the highest number of crashes in District 2 in 2021, followed by Oakland County (30.7%), and Macomb County (20.9%). [Page 11]
- Wayne County (63.7%) had the highest number of fatalities in District 2 in 2021, followed by Oakland County (19.2%), and Macomb County (17.2%). [Page 11]
- The highest number of drivers in crashes (238,176) occurred during 2017 and the highest number of drivers coded drinking in crashes (3,152) occurred during 2018 within the five year period between 2017 and 2021. [Page 12]
- A total of 3,045 crashes involved alcohol in 2021. [Page 13]
- Alcohol-involved fatal crashes were the highest in 2018 during the five-year period from 2017 to 2021 at 88. [Page 13]
- A total of 852 crashes, 43 fatal crashes, and 82 suspected injury crashes involved drugs in 2021. [Page 14]
- There were 151,979 drivers wearing seatbelts and 1,433 drivers not wearing seatbelts in crashes in 2021. Of the 1,433 drivers not wearing seatbelts, 51 (3.6%) were killed and 597 (41.7%) were injured. [Pages 17-19]
- The most common hazardous action coded for drivers in 2021 in all crashes was unable to stop in assured clear distance (27,797), while the most common hazardous action coded for drivers in fatal crashes was unknown (66). [Page 20]

2021 - Crashes and Injury by Month

Month	Crashes				People	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	7,047	17	1,446	5,584	19	1,999
February	7,603	21	1,446	6,136	21	1,927
March	6,984	36	1,591	5,357	39	2,210
April	7,476	28	1,738	5,710	31	2,380
May	8,817	31	2,037	6,749	34	2,858
June	9,275	29	2,163	7,083	34	3,048
July	8,922	26	2,122	6,774	27	3,069
August	9,513	29	2,187	7,297	29	3,024
September	9,683	25	2,138	7,520	26	2,950
October	10,502	30	2,262	8,210	32	3,150
November	9,845	28	1,885	7,932	28	2,629
December	8,732	23	1,654	7,055	24	2,281
Total	104,399	323	22,669	81,407	344	31,525

2021 - Driver Statistics

Age Group	MSP District 2 - Metro			Driver Rates	
	2019 Population*	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	753,175	15,717	332	4.4	211.2
16 - 20	228,751	164,892	18,735	819.0	1,136.2
21 - 24	192,476	168,025	17,613	915.1	1,048.2
25 - 64	2,060,023	1,829,597	115,753	561.9	632.7
65 +	646,474	589,762	18,812	291.0	319.0
Unknown	0	0	29,235	--	--
Total	3,880,899	2,767,993	200,480	516.6	724.3

*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	166,810	83.2	370	72.0	38,055	128,385
Motor Home	241	0.1	0	0.0	40	201
Pickup Truck	16,656	8.3	39	7.6	3,321	13,296
Small Truck Under 10,000 lbs. GVWR	726	0.4	2	0.4	136	588
Motorcycle	1,082	0.5	46	8.9	772	264
Moped/Goped	180	0.1	7	1.4	148	25
Go-Cart/Golf Cart	12	0.0	0	0.0	7	5
Snowmobile	2	0.0	0	0.0	2	0
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	87	0.0	8	1.6	56	23
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	533	0.3	2	0.4	105	426
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	6,422	3.2	26	5.1	1,092	5,304
Uncoded & Errors	7,729	3.9	14	2.7	1,010	6,705
Total	200,480	100.0	514	100.0	44,744	155,222

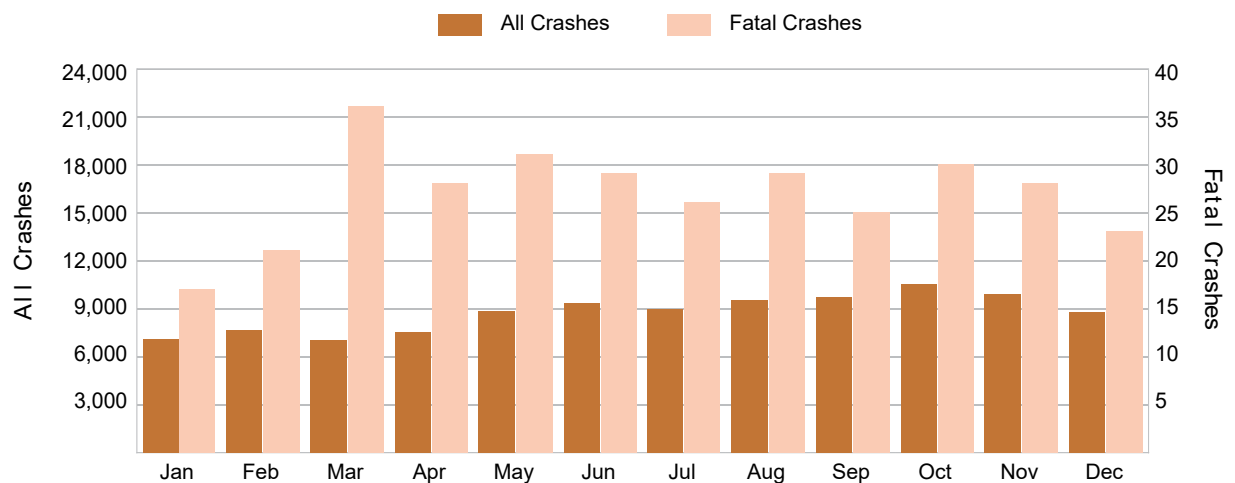
5-Year Trend - Crashes by Month

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	9,733	23	11,443	8	10,325	21	9,362	19	7,047	17
February	8,079	20	10,051	18	9,135	17	9,252	15	7,603	21
March	10,744	18	9,077	11	8,911	23	5,353	21	6,984	36
April	8,697	18	8,681	20	8,300	22	3,002	17	7,476	28
May	10,917	24	10,679	22	10,043	25	5,350	29	8,817	31
June	10,469	29	10,372	30	10,021	26	7,551	30	9,275	29
July	9,213	19	9,238	21	9,490	22	8,340	43	8,922	26
August	9,820	19	9,474	38	9,453	18	8,328	38	9,513	29
September	9,814	24	9,706	31	9,921	21	7,941	39	9,683	25
October	11,248	18	11,485	15	11,345	35	8,563	32	10,502	30
November	10,463	19	10,532	22	10,932	17	7,498	23	9,845	28
December	12,891	23	9,932	22	9,482	17	7,589	23	8,732	23
Total	122,088	254	120,670	258	117,358	264	88,129	329	104,399	323

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	18,636	34	18,671	40	18,155	29	12,039	48	14,570	47
Tuesday	19,371	39	19,467	35	18,061	40	12,462	41	15,556	44
Wednesday	19,532	31	18,378	20	18,976	27	14,382	42	15,724	38
Thursday	19,209	40	18,850	34	18,097	40	13,430	43	15,511	39
Friday	19,805	35	19,783	47	18,442	32	14,273	43	17,331	37
Saturday	14,270	40	14,361	49	14,062	58	11,938	60	14,065	56
Sunday	11,265	35	11,160	33	11,565	38	9,605	52	11,642	62
Total	122,088	254	120,670	258	117,358	264	88,129	329	104,399	323

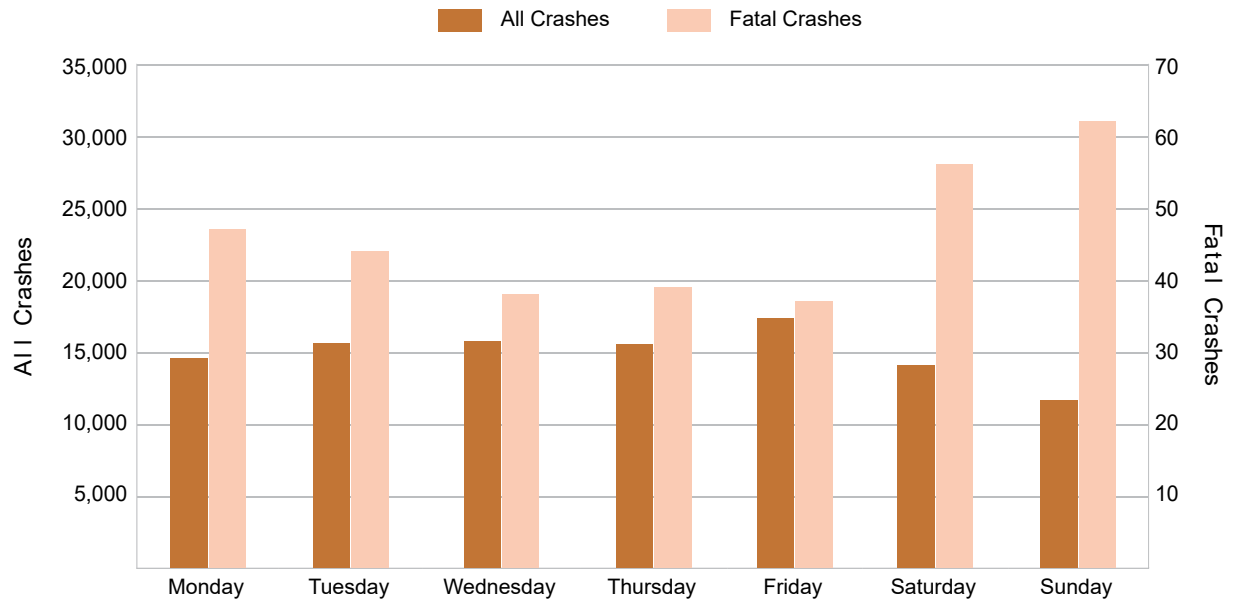
2021 Crashes by Month



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	14,570	14.0	47	14.6	192	975	1,936	11,420
Tuesday	15,556	14.9	44	13.6	189	1,004	1,995	12,324
Wednesday	15,724	15.1	38	11.8	214	959	2,164	12,349
Thursday	15,511	14.9	39	12.1	230	1,041	2,049	12,152
Friday	17,331	16.6	37	11.5	234	1,133	2,292	13,635
Saturday	14,065	13.5	56	17.3	259	1,079	1,900	10,771
Sunday	11,642	11.2	62	19.2	274	910	1,640	8,756
Total	104,399	100.0	323	100.0	1,592	7,101	13,976	81,407

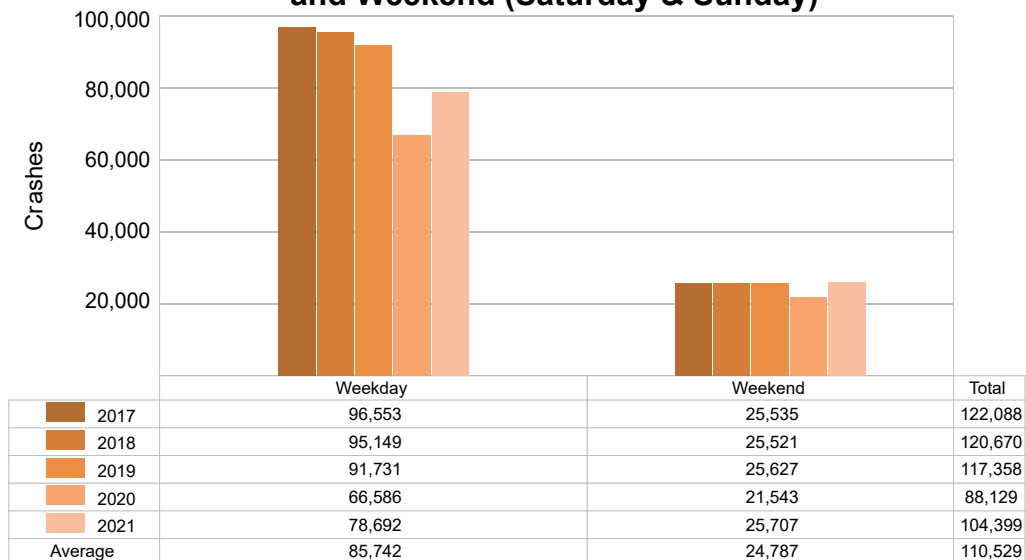
2021 Day of Week and Severity



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	96,553	179	95,149	176	91,731	168	66,586	217	78,692	205
Weekend	25,535	75	25,521	82	25,627	96	21,543	112	25,707	118
Total	122,088	254	120,670	258	117,358	264	88,129	329	104,399	323

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

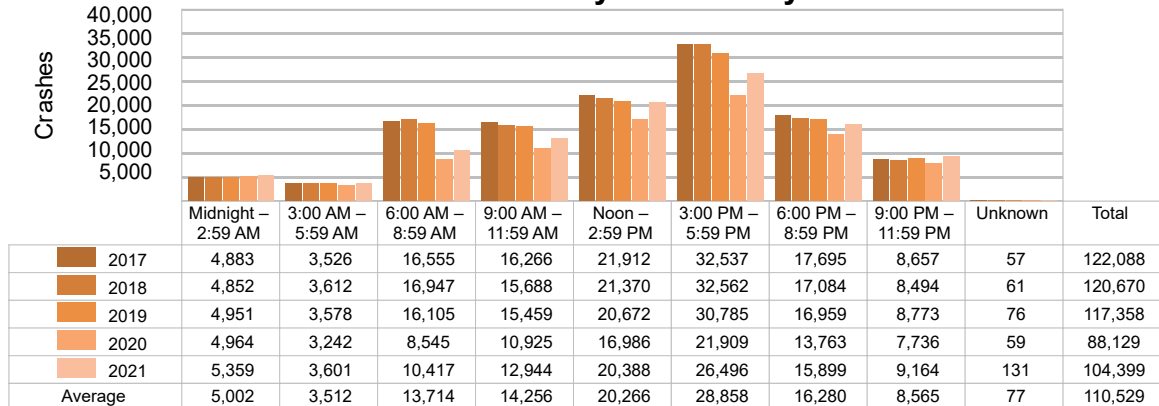


5-Year Trend - Crashes by Time of Day

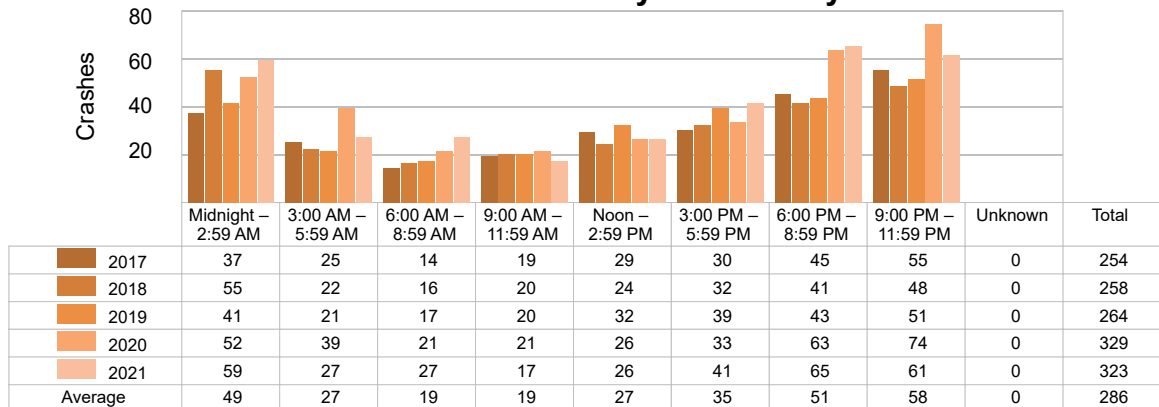
Time of Day	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight – 2:59 AM	4,883	37	4,852	55	4,951	41	4,964	52	5,359	59
3:00 AM – 5:59 AM	3,526	25	3,612	22	3,578	21	3,242	39	3,601	27
6:00 AM – 8:59 AM	16,555	14	16,947	16	16,105	17	8,545	21	10,417	27
9:00 AM – 11:59 AM	16,266	19	15,688	20	15,459	20	10,925	21	12,944	17
Noon – 2:59 PM	21,912	29	21,370	24	20,672	32	16,986	26	20,388	26
3:00 PM – 5:59 PM	32,537 †	30	32,562 †	32	30,785 †	39	21,909 †	33	26,496 †	41
6:00 PM – 8:59 PM	17,695	45	17,084	41	16,959	43	13,763	63	15,899	65
9:00 PM – 11:59 PM	8,657	55	8,494	48	8,773	51	7,736	74	9,164	61
Unknown	57	0	61	0	76	0	59	0	131	0
Total	122,088	254	120,670	258	117,358	264	88,129	329	104,399	323

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

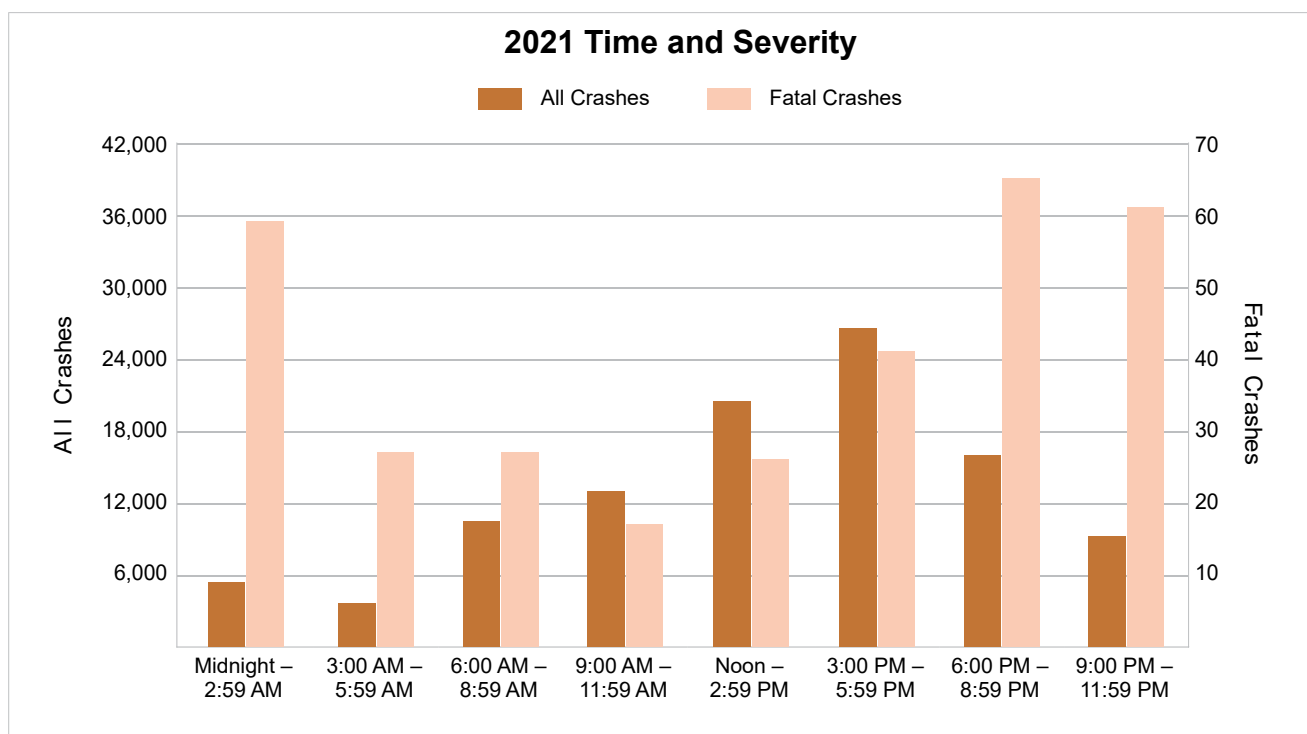


5-Year Trend Fatal Crashes by Time of Day



2021 - Time and Severity

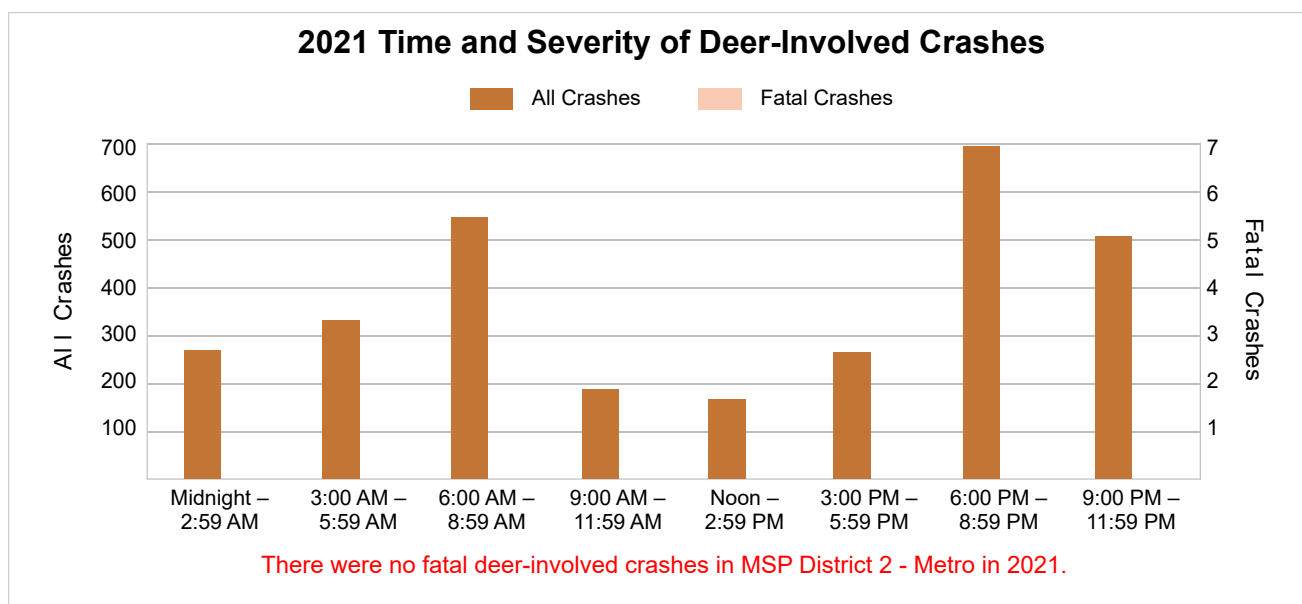
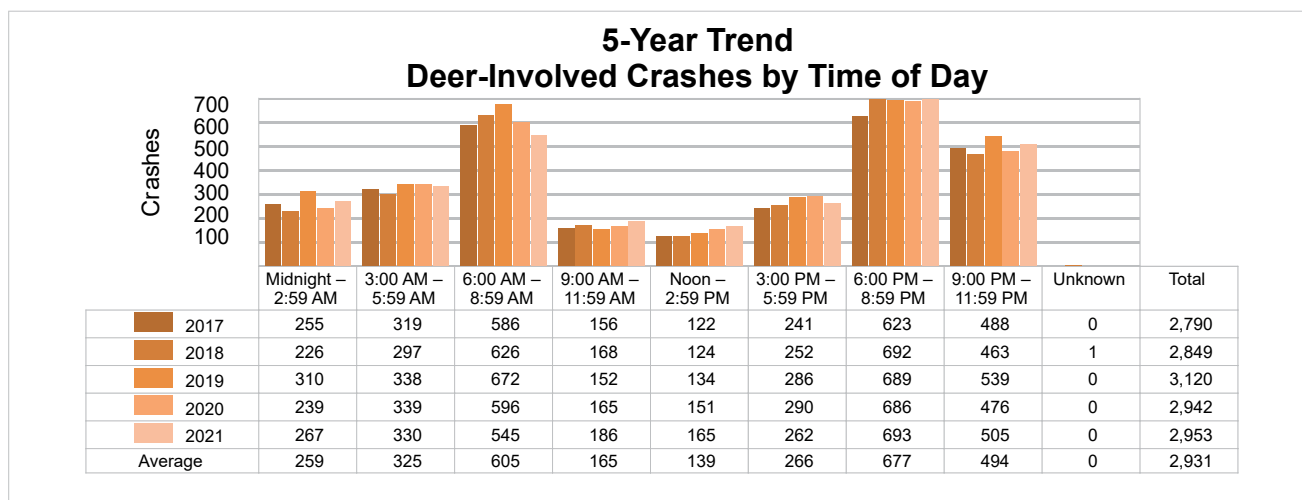
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight – 2:59 AM	5,359	5.1	59	18.3	171	469	788	3,872
3:00 AM – 5:59 AM	3,601	3.4	27	8.4	95	272	441	2,766
6:00 AM – 8:59 AM	10,417	10.0	27	8.4	103	613	1,259	8,415
9:00 AM – 11:59 AM	12,944	12.4	17	5.3	140	857	1,660	10,270
Noon – 2:59 PM	20,388	19.5	26	8.0	257	1,328	2,733	16,044
3:00 PM – 5:59 PM	26,496	25.4	41	12.7	301	1,651	3,606	20,897
6:00 PM – 8:59 PM	15,899	15.2	65	20.1	274	1,168	2,167	12,225
9:00 PM – 11:59 PM	9,164	8.8	61	18.9	249	741	1,314	6,799
Unknown	131	0.1	0	0.0	2	2	8	119
Total	104,399	100.0	323	100.0	1,592	7,101	13,976	81,407



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	255	1	226	0	310	0	239	0	267	0
3:00 AM – 5:59 AM	319	0	297	0	338	0	339	0	330	0
6:00 AM – 8:59 AM	586	0	626	0	672	1	596	0	545	0
9:00 AM – 11:59 AM	156	0	168	0	152	0	165	0	186	0
Noon – 2:59 PM	122	0	124	0	134	0	151	0	165	0
3:00 PM – 5:59 PM	241	0	252	0	286	0	290	0	262	0
6:00 PM – 8:59 PM	623 †	0	692 †	0	689 †	0	686 †	0	693 †	0
9:00 PM – 11:59 PM	488	0	463	0	539	0	476	1	505	0
Unknown	0	0	1	0	0	0	0	0	0	0
Total	2,790	1	2,849	0	3,120	1	2,942	1	2,953	0

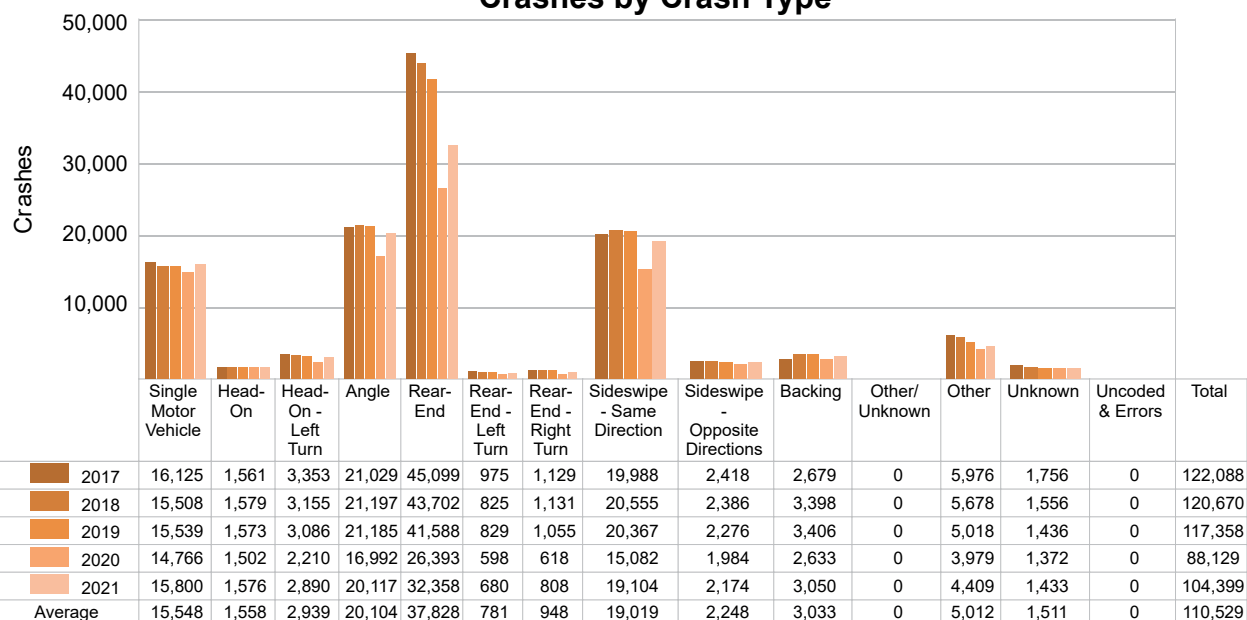
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period.



5-Year Trend - 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	16,125	106	15,508	125	15,539	130	14,766	161	15,800	149
Head-On	1,561	33	1,579	19	1,573	19	1,502	19	1,576	28
Head-On - Left Turn	3,353	6	3,155	7	3,086	14	2,210	12	2,890	20
Angle	21,029	44	21,197	37	21,185	56	16,992	65	20,117	58
Rear-End	45,099	25	43,702	26	41,588	16	26,393	34	32,358	27
Rear-End - Left Turn	975	0	825	0	829	0	598	1	680	1
Rear-End - Right Turn	1,129	0	1,131	0	1,055	0	618	0	808	0
Sideswipe - Same Direction	19,988	9	20,555	8	20,367	7	15,082	11	19,104	13
Sideswipe - Opposite Directions	2,418	3	2,386	4	2,276	2	1,984	8	2,174	1
Backing	2,679	0	3,398	0	3,406	0	2,633	0	3,050	0
Other/Unknown	0	0	0	0	0	0	0	0	0	0
Other	5,976	26	5,678	30	5,018	20	3,979	15	4,409	24
Unknown	1,756	2	1,556	2	1,436	0	1,372	3	1,433	2
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0
Total	122,088	254	120,670	258	117,358	264	88,129	329	104,399	323

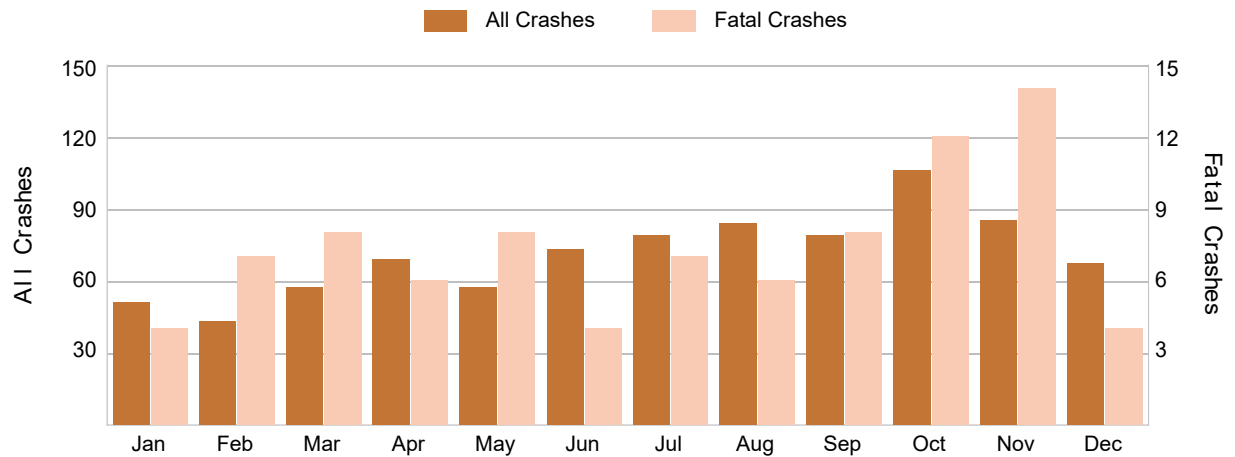
**5-Year Trend
Crashes by Crash Type**



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	83	8	98	2	98	6	104	5	51	4
February	67	8	97	5	81	5	68	7	43	7
March	78	3	76	5	80	9	62	9	57	8
April	68	6	63	4	80	5	31	6	69	6
May	86	3	91	3	103	1	50	8	57	8
June	87	4	92	7	73	5	78	7	73	4
July	90	5	82	5	95	4	67	3	79	7
August	86	6	80	12	80	5	78	9	84	6
September	96	7	117	8	105	5	86	9	79	8
October	114	6	118	6	126	11	76	8	106	12
November	108	7	112	7	96	3	56	9	85	14
December	99	7	117	8	94	7	69	7	67	4
Total	1,062	70	1,143	72	1,111	66	825	87	850	88

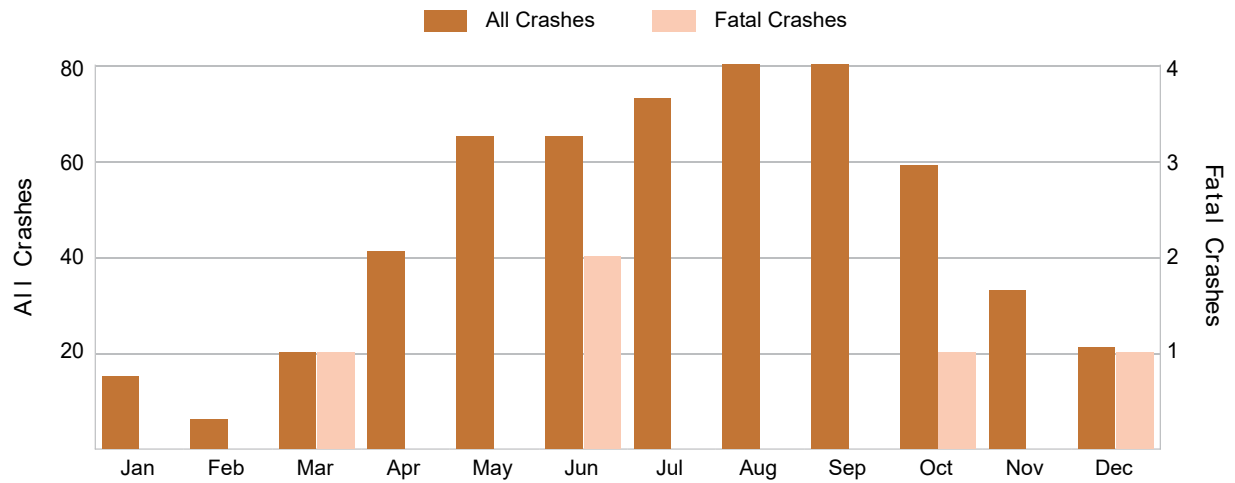
2021 Pedestrian-Involved Crashes by Month



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	21	0	12	1	13	0	21	2	15	0
February	22	1	17	0	7	1	17	0	6	0
March	18	0	14	0	18	1	19	0	20	1
April	41	0	31	1	39	1	20	2	41	0
May	68	0	74	0	60	0	50	1	65	0
June	92	0	100	1	96	2	102	0	65	2
July	127	1	111	0	92	1	98	3	73	0
August	118	0	95	1	106	0	102	5	80	0
September	114	1	120	1	91	1	89	2	80	0
October	66	0	65	1	81	2	44	0	59	1
November	50	0	34	0	24	0	36	0	33	0
December	22	1	20	0	19	1	9	1	21	1
Total	759	4	693	6	646	10	607	16	558	5

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
Macomb	21,871	57	4,619	17,195	1,689	0	5,717	14,429	610	181	589	128	141
Oakland	32,038	64	6,220	25,754	3,906	1,865	5,307	20,943	944	263	1,853	160	136
Wayne	50,490	202	11,830	38,458	6,402	3,003	9,350	31,644	1,491	408	511	562	281
Total	104,399	323	22,669	81,407	11,997	4,868	20,374	67,016	3,045	852	2,953	850	558

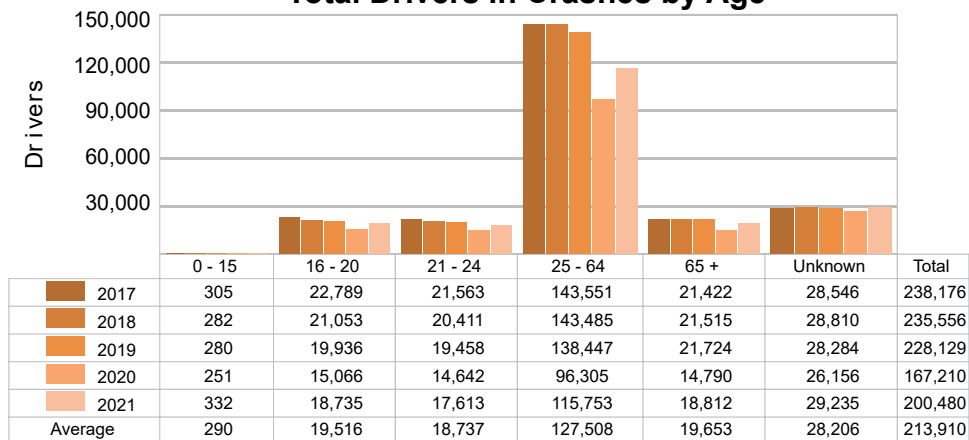
2021 - People in Reported Motor Vehicle Crashes by County

County	People					
	Fatalities	Suspected Serious Injuries	Suspected Minor Injuries	Possible Injuries	No Injuries	Uncoded & Errors
Macomb	59	642	3,540	7,603	37,290	4,450
Oakland	66	896	5,770	9,137	56,442	5,519
Wayne	219	2,526	9,002	20,322	80,515	20,984
Total	344	4,064	18,312	37,062	174,247	30,953

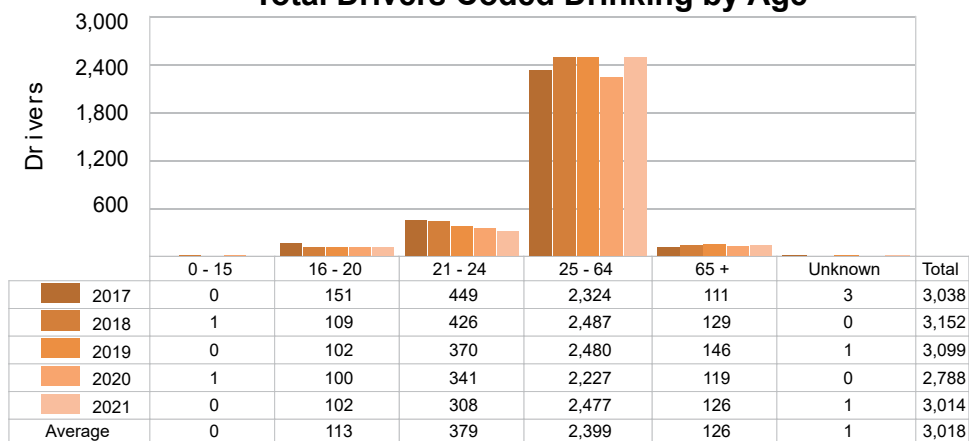
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	305	0	282	1	280	0	251	1	332	0
16 - 20	22,789	151	21,053	109	19,936	102	15,066	100	18,735	102
21 - 24	21,563	449	20,411	426	19,458	370	14,642	341	17,613	308
25 - 64	143,551	2,324	143,485	2,487	138,447	2,480	96,305	2,227	115,753	2,477
65 +	21,422	111	21,515	129	21,724	146	14,790	119	18,812	126
Unknown	28,546	3	28,810	0	28,284	1	26,156	0	29,235	1
Total	238,176	3,038	235,556	3,152	228,129	3,099	167,210	2,788	200,480	3,014

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	5	1	0	0	0	0	0	0	0
16 - 20	232	135	89	102	0	10	41	18	33
21 - 24	475	322	268	308	0	20	91	79	118
25 - 64	3,680	2,629	2,160	2,477	2	98	530	850	997
65 +	256	153	117	126	0	11	36	36	43
Unknown	630	1	0	1	0	0	0	0	1
Total	5,278	3,241	2,634	3,014	2	139	698	983	1,192

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).

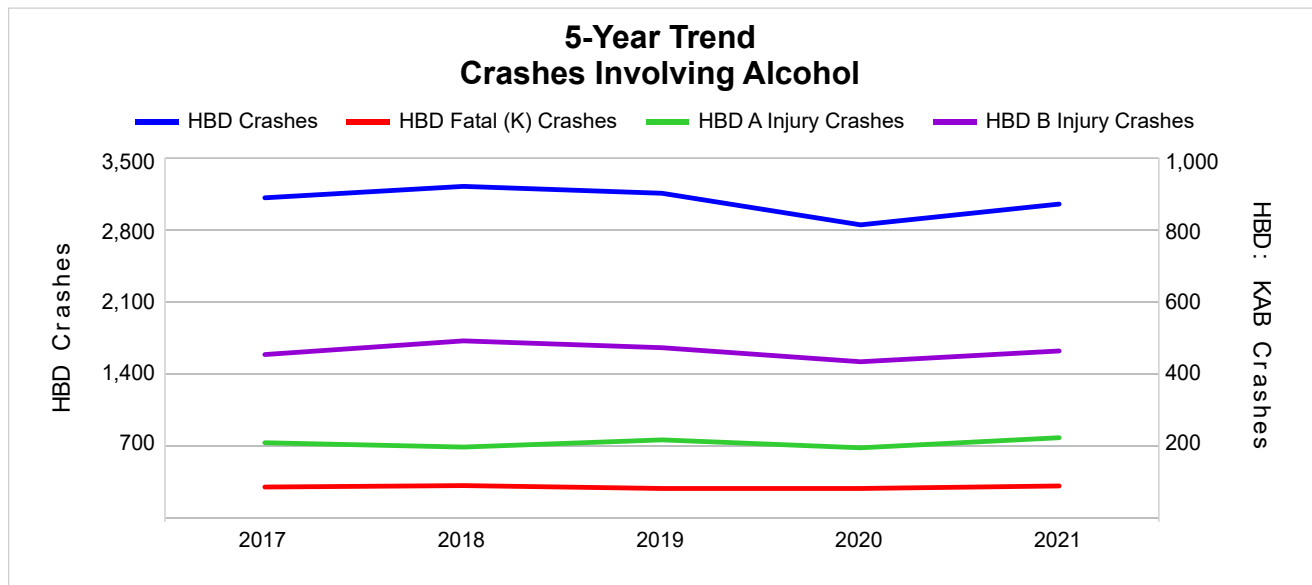
A driver may be coded by the officer as drinking even though no test is administered.

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	122,088	3,106	2.5	254	84	33.1	1,544	207	13.4	7,008	452	6.4
2018	120,670	3,217	2.7	258	88	34.1	1,428	195	13.7	6,861	490	7.1
2019	117,358	3,150	2.7	264	80	30.3	1,402	215	15.3	6,877	471	6.8
2020	88,129	2,843	3.2	329	80	24.3	1,384	193	13.9	5,904	432	7.3
2021	104,399	3,045	2.9	323	87	26.9	1,592 **	221 **	13.9	7,101 **	462	6.5

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.



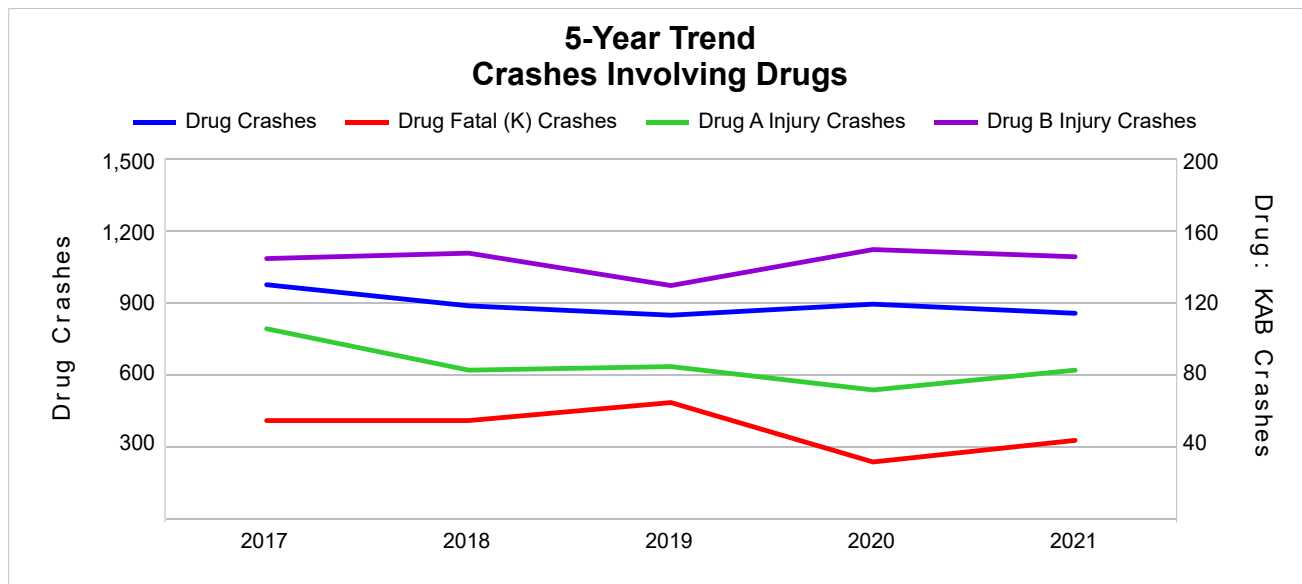
Note: Had-Been-Drinking (HBD)

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	122,088	971	0.8	254	54	21.3	1,544	105	6.8	7,008	144	2.1
2018	120,670	883	0.7	258	54	20.9	1,428	82	5.7	6,861	147	2.1
2019	117,358	844	0.7	264	64	24.2	1,402	84	6.0	6,877	129	1.9
2020	88,129	890	1.0	329	31	9.4	1,384	71	5.1	5,904	149	2.5
2021	104,399	852	0.8	323	43	13.3	1,592 **	82	5.2	7,101 **	145	2.0

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.

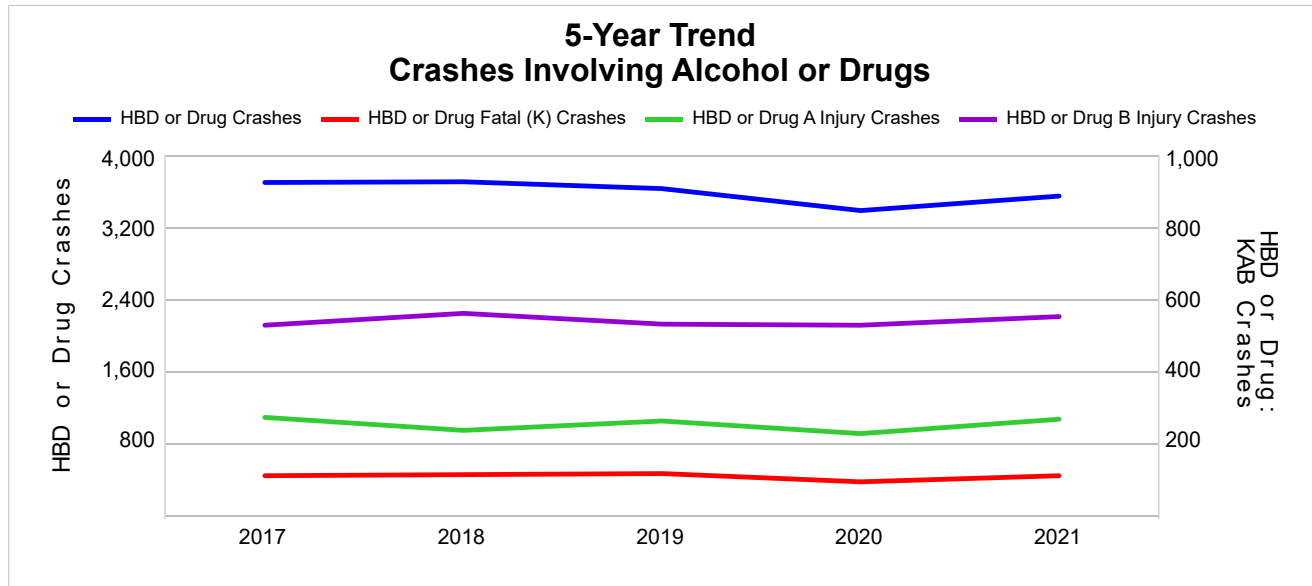


5-Year Trend - Crashes Involving Alcohol or Drugs

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	122,088	3,690	3.0	254	108	42.5	1,544	270	17.5	7,008	526	7.5
2018	120,670	3,698	3.1	258	111	43.0	1,428	234	16.4	6,861	559	8.1
2019	117,358	3,622	3.1	264	114	43.2	1,402	260	18.5	6,877	529	7.7
2020	88,129	3,378	3.8	329	91	27.7	1,384	225	16.3	5,904	526	8.9
2021	104,399	3,539	3.4	323	108	33.4	1,592 **	265	16.6	7,101 **	550	7.7

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	173,431	136,799	78.9	168	62	36.9	1,269	785	61.9	7,226	6,216	86.0	18,782	15,990	85.1	125,794	113,744	90.4
Motor Home	246	200	81.3	0	0	0.0	1	1	100.0	6	5	83.3	22	19	86.4	193	175	90.7
Pickup Truck	16,952	14,088	83.1	12	4	33.3	85	53	62.4	421	377	89.5	1,109	1,023	92.2	13,350	12,631	94.6
Small Truck Under 10,000 lbs. GVWR	744	557	74.9	1	0	0.0	7	5	71.4	15	12	80.0	41	41	100.0	542	499	92.1
Motorcycle	1,140	578	50.7	46	19	41.3	231	108	46.8	362	206	56.9	207	114	55.1	233	131	56.2
Moped/Goped	185	28	15.1	7	0	0.0	39	5	12.8	73	13	17.8	36	4	11.1	15	6	40.0
Go-Cart/Golf Cart	17	1	5.9	0	0	0.0	3	0	0.0	3	0	0.0	2	0	0.0	8	1	12.5
Snowmobile	3	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	2	0	0.0
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	92	9	9.8	8	1	12.5	19	1	5.3	24	1	4.2	15	2	13.3	19	4	21.1
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	553	262	47.4	2	1	50.0	17	4	23.5	22	8	36.4	37	15	40.5	313	234	74.8
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/ hazmat placard)	6,555	5,455	83.2	5	1	20.0	14	6	42.9	87	60	69.0	232	138	59.5	5,694	5,250	92.2
Uncoded & Errors	7,733	17	0.2	0	0	0.0	0	0	0.0	3	0	0.0	6	4	66.7	26	13	50.0
Total	207,651	157,994	76.1	249	88	35.3	1,685	968	57.4	8,242	6,898	83.7	20,490	17,350	84.7	146,189	132,688	90.8

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	2,035	1,585	77.9	7	3	42.9	60	17	28.3	323	223	69.0	1,392	1,151	82.7	243	191	78.6
16 - 20	19,816	17,870	90.2	25	7	28.0	189	97	51.3	966	803	83.1	2,192	1,808	82.5	16,310	15,155	92.9
21 - 24	18,299	16,038	87.6	24	7	29.2	173	91	52.6	948	765	80.7	2,098	1,725	82.2	14,898	13,450	90.3
25 - 64	118,840	104,588	88.0	165	53	32.1	1,100	627	57.0	5,101	4,254	83.4	12,645	10,682	84.5	98,535	88,970	90.3
65 +	19,420	17,899	92.2	28	18	64.3	163	136	83.4	903	853	94.5	2,154	1,981	92.0	16,033	14,911	93.0
Unknown	29,241	14	0.0	0	0	0.0	0	0	0.0	1	0	0.0	9	3	33.3	170	11	6.5
Total	207,651	157,994	76.1	249	88	35.3	1,685	968	57.4	8,242	6,898	83.7	20,490	17,350	84.7	146,189	132,688	90.8

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	241	1	39	176	0	32	227	0	37	199	1	56	262	3	76
Shoulder Belt Only Used	883	1	113	616	0	99	678	2	112	585	0	101	747	2	120
Lap Belt Only Used	248	1	25	188	0	27	194	0	34	145	0	24	172	1	26
Both Lap & Shoulder Belt Used	194,373	55	22,549	190,964	56	21,769	183,257	45	21,262	124,405	50	15,782	151,026	54	19,220
No Belts Used	971	28	422	891	30	373	914	39	390	980	38	427	1,171	48	521
Child Restraint Used - Forward Facing	5	0	1	1	0	0	1	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	4	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Restraint Failure	33	0	9	24	0	5	26	0	4	28	0	3	34	0	4
Restraint Use Unknown	34,895	34	1,436	36,740	28	1,687	36,969	31	1,775	35,388	43	2,181	40,319	41	2,403
Helmet Worn	666	15	477	569	16	414	575	20	405	536	24	397	587	19	430
Helmet Not Worn	310	16	230	332	20	253	349	17	267	471	26	363	507	22	400
Helmet Use Unknown	78	5	46	87	3	55	75	4	45	102	7	66	137	15	87
Uncoded & Errors	5,469	0	0	4,968	0	0	4,863	0	0	4,371	0	1	5,518	0	3
Total	238,176	156	25,347	235,556	153	24,714	228,129	158	24,331	167,210	189	19,401	200,480	205	23,290

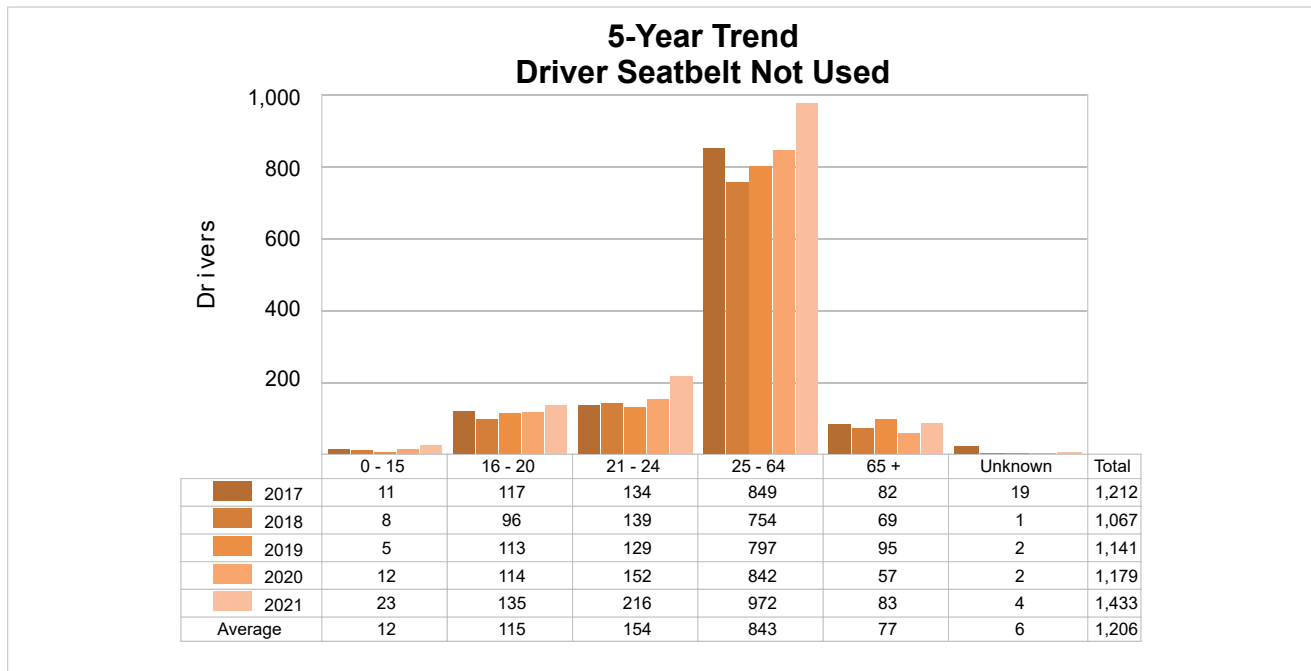
5-Year Trend - Restraint Use Among Drivers Coded Drinking

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	4	0	0	8	0	3	2	0	2	7	0	3	6	1	3
Shoulder Belt Only Used	7	0	2	5	0	1	9	0	3	5	0	2	7	0	2
Lap Belt Only Used	1	0	0	3	0	1	3	0	2	3	0	1	4	0	2
Both Lap & Shoulder Belt Used	2,318	13	552	2,393	5	588	2,303	7	583	1,968	4	507	2,137	11	558
No Belts Used	120	9	71	133	9	84	146	14	82	147	7	94	180	12	105
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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint Failure	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0
Restraint Use Unknown	537	10	155	555	16	168	568	9	174	592	6	176	613	6	192
Helmet Worn	16	1	14	16	3	11	16	8	6	15	2	11	16	1	14
Helmet Not Worn	28	3	24	36	7	25	48	7	39	48	4	37	46	6	34
Helmet Use Unknown	4	0	2	3	0	2	4	0	3	1	0	1	3	1	2
Uncoded & Errors	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3,038	36	820	3,152	40	883	3,099	45	894	2,788	23	832	3,014	38	912

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	11	0	2	8	0	4	5	0	0	12	0	8	23	1	10
16 - 20	117	5	52	96	4	44	113	1	51	114	1	52	135	2	67
21 - 24	134	5	58	139	3	63	129	6	57	152	9	75	216	9	104
25 - 64	849	14	326	754	20	278	797	22	291	842	26	333	972	36	393
65 +	82	5	23	69	3	16	95	10	28	57	3	15	83	3	23
Unknown	19	0	0	1	0	0	2	0	0	2	0	0	4	0	0
Total	1,212	29	461	1,067	30	405	1,141	39	427	1,179	39	483	1,433	51	597

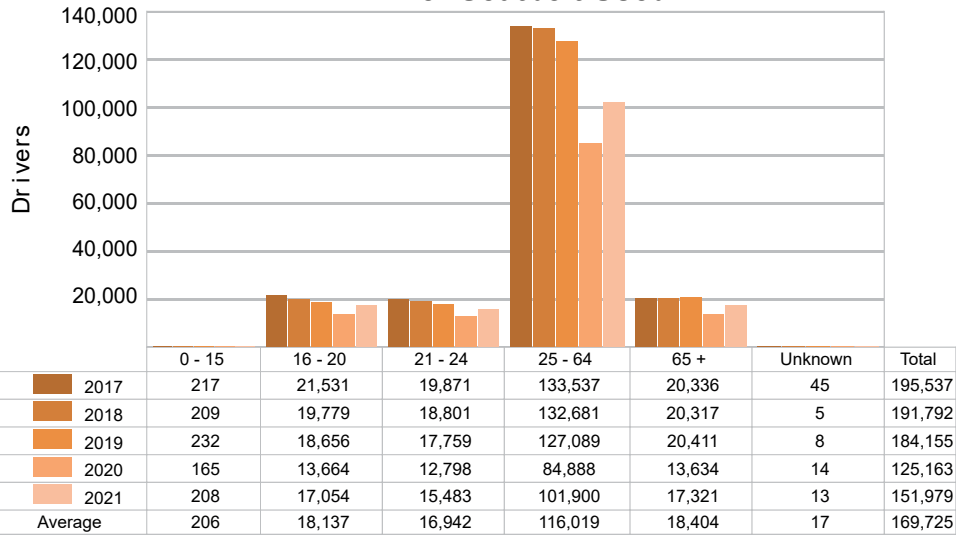
Note: Seatbelt Not Used includes no belts available or no belts used.



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	217	0	17	209	0	19	232	0	16	165	0	17	208	0	18
16 - 20	21,531	5	2,201	19,779	2	2,038	18,656	3	1,862	13,664	1	1,636	17,054	4	1,902
21 - 24	19,871	4	2,320	18,801	4	2,174	17,759	5	2,107	12,798	4	1,653	15,483	3	2,045
25 - 64	133,537	35	15,517	132,681	31	15,018	127,089	23	14,800	84,888	29	10,711	101,900	36	12,996
65 +	20,336	13	2,638	20,317	19	2,650	20,411	16	2,627	13,634	16	1,893	17,321	14	2,407
Unknown	45	0	3	5	0	1	8	0	0	14	0	0	13	0	2
Total	195,537	57	22,696	191,792	56	21,900	184,155	47	21,412	125,163	50	15,910	151,979	57	19,370

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

5-Year Trend
Driver Seatbelt Used


5-Year Trend - Drivers in Crashes by Hazardous Action

Hazardous Action	2017		2018		2019		2020		2021	
	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes
None	111,142	196	109,103	176	105,811	173	74,682	212	90,818	188
Speed Too Fast	7,535	41	7,405	47	7,342	46	6,333	54	6,610	61
Speed Too Slow	48	0	60	1	51	0	44	0	42	0
Failed to Yield	20,748	17	21,148	21	20,760	25	14,439	23	18,424	36
Disregard Traffic Control	4,950	13	4,985	20	4,959	19	4,722	26	5,299	21
Drove Wrong Way	200	5	233	0	226	0	230	4	250	4
Drove Left of Center	956	16	889	16	885	16	784	8	835	10
Improper Passing	1,286	3	1,365	2	1,462	1	1,087	1	1,437	3
Improper Lane Use	7,531	3	7,506	3	7,613	2	5,413	5	7,001	6
Improper Turn	2,490	3	2,460	2	2,579	4	1,892	2	2,365	0
Improper/No Signal	181	0	152	0	177	0	90	0	129	0
Improper Backing	3,098	0	3,180	1	3,199	0	2,381	1	2,787	0
Unable to Stop in Assured Clear Distance	40,407	13	38,894	17	37,342	12	22,402	22	27,797	15
Other	7,618	26	7,804	26	7,447	32	5,927	30	6,952	30
Unknown	20,466	54	21,151	49	19,378	48	18,997	69	20,458	66
Reckless Driving	1,020	28	958	26	906	29	1,005	62	1,055	49
Careless/Negligent Driving	4,187	20	3,980	22	3,784	14	3,131	24	3,356	22
Uncoded & Errors	4,313	8	4,283	0	4,208	5	3,651	3	4,865	3
Total	238,176	446	235,556	429	228,129	426	167,210	546	200,480	514

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

