



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

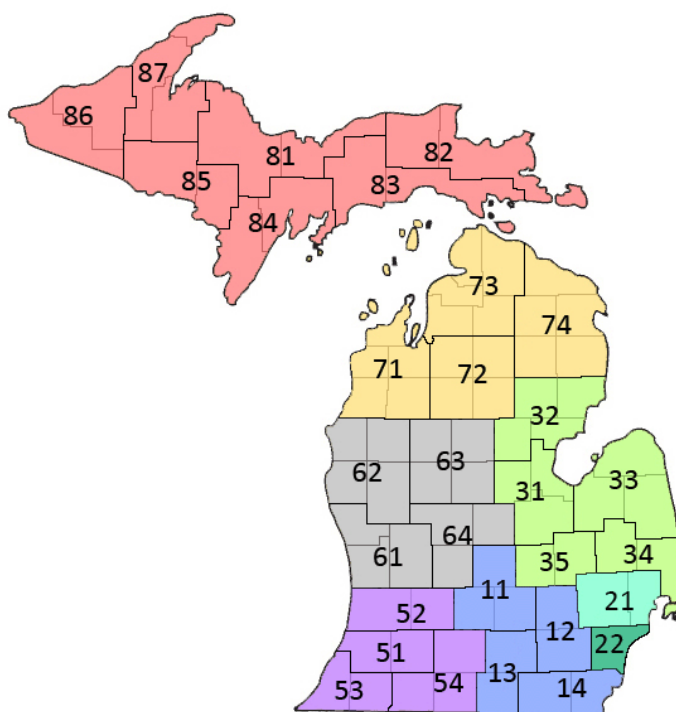
C = Possible Injury

O = No Injury

Property Damage Only (PDO)



Michigan Statewide Post Summary



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	21,505	60	3,380	18,065	62	4,599
February	21,785	56	3,359	18,370	57	4,418
March	17,937	85	3,391	14,461	92	4,650
April	18,269	88	3,765	14,416	95	5,168
May	21,920	103	4,421	17,396	111	6,111
June	24,000	84	4,997	18,919	92	7,095
July	22,639	108	4,799	17,732	112	6,848
August	23,133	124	5,054	17,955	130	7,052
September	24,699	99	5,037	19,563	104	6,928
October	29,833	88	5,056	24,689	93	6,884
November	30,666	94	4,436	26,136	98	6,149
December	26,254	79	3,971	22,204	85	5,344
Total	282,640	1,068	51,666	229,906	1,131	71,246

2021 - Driver Statistics

Age Group	Statewide			Driver Rates	
	2019 Population*	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	1,889,940	46,698	884	4.7	189.3
16 - 20	651,147	436,434	50,282	772.2	1,152.1
21 - 24	548,369	434,663	43,732	797.5	1,006.1
25 - 64	5,132,000	4,638,426	281,151	547.8	606.1
65 +	1,765,401	1,700,267	50,398	285.5	296.4
Unknown	0	0	49,682	--	--
Total	9,986,857	7,256,488	476,129	476.8	656.1

*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	381,041	80.0	1,108	65.6	77,319	302,614
Motor Home	1,044	0.2	1	0.1	174	869
Pickup Truck	57,120	12.0	235	13.9	9,897	46,988
Small Truck Under 10,000 lbs. GVWR	2,090	0.4	3	0.2	340	1,747
Motorcycle	3,271	0.7	171	10.1	2,376	724
Moped/Goped	482	0.1	7	0.4	395	80
Go-Cart/Golf Cart	41	0.0	0	0.0	29	12
Snowmobile	102	0.0	5	0.3	65	32
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	452	0.1	21	1.2	299	132
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	1,594	0.3	14	0.8	306	1,274
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard)	14,972	3.1	103	6.1	2,586	12,283
Uncoded & Errors	13,920	2.9	20	1.2	1,511	12,389
Total	476,129	100.0	1,688	100.0	95,297	379,144

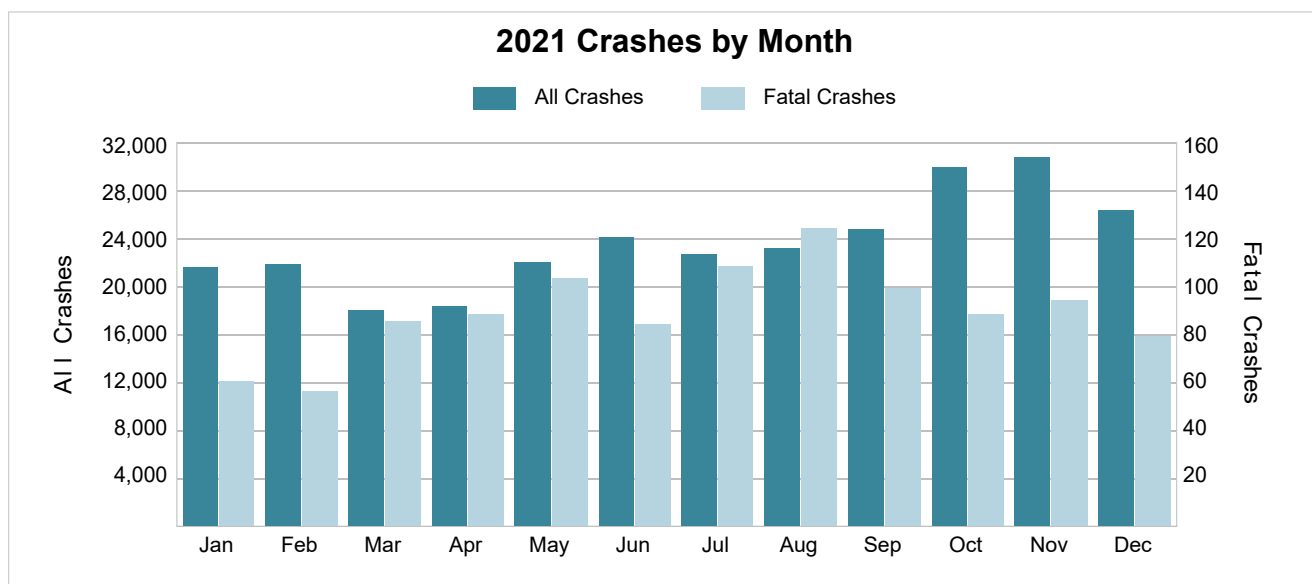
5-Year Trend - Crashes by Month

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	27,008	72	31,045	49	30,537	70	25,822	57	21,505	60
February	20,713	52	25,934	57	25,719	50	25,946	59	21,785	56
March	25,518	71	23,477	60	23,090	62	14,112	45	17,937	85
April	20,644	72	22,606	67	21,167	61	8,748	44	18,269	88
May	25,153	76	24,446	79	24,036	81	14,632	82	21,920	103
June	25,440	99	25,037	75	25,106	75	20,678	121	24,000	84
July	22,972	91	22,773	83	23,755	95	21,133	123	22,639	108
August	23,197	84	22,737	122	23,302	86	20,639	122	23,133	124
September	24,437	90	23,705	111	24,022	80	21,320	99	24,699	99
October	31,273	74	30,659	75	31,570	105	26,276	95	29,833	88
November	30,563	81	33,418	66	34,501	71	24,475	91	30,666	94
December	38,003	75	26,961	61	27,571	66	21,651	72	26,254	79
Total	314,921	937	312,798	905	314,376	902	245,432	1,010	282,640	1,068

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	46,298	108	47,534	115	47,545	113	33,796	140	40,550	139
Tuesday	47,797	118	48,534	117	48,777	107	34,678	123	42,600	149
Wednesday	48,292	132	47,113	113	49,918	112	38,976	134	41,520	116
Thursday	48,983	146	47,565	111	47,272	137	38,208	127	41,981	152
Friday	51,956 †	147	52,211 †	141	49,992 †	138	39,503 †	159	46,614 †	152
Saturday	39,663	153	38,628	151	38,065	168	33,052	175	38,030	182
Sunday	31,932	133	31,213	157	32,807	127	27,219	152	31,345	178
Total	314,921	937	312,798	905	314,376	902	245,432	1,010	282,640	1,068

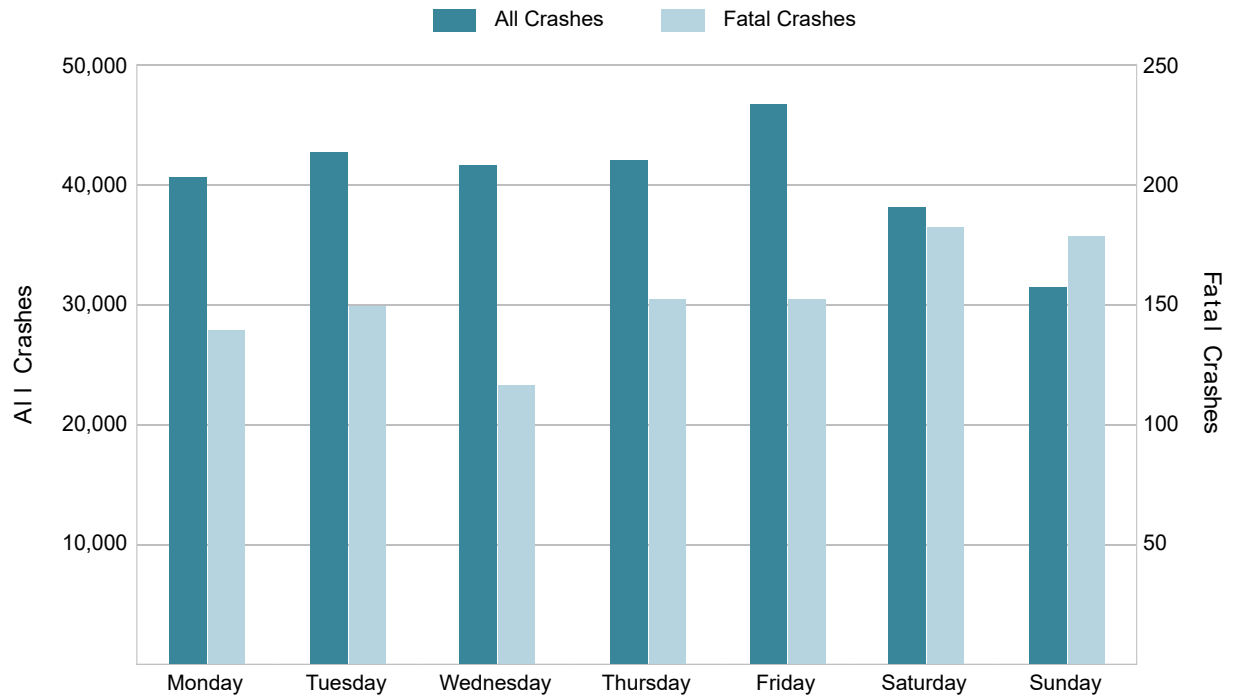
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred on the same day of the week.



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	40,550	14.3	139	13.0	632	2,276	4,301	33,202
Tuesday	42,600	15.1	149	14.0	612	2,296	4,461	35,082
Wednesday	41,520	14.7	116	10.9	660	2,244	4,516	33,984
Thursday	41,981	14.9	152	14.2	674	2,344	4,536	34,275
Friday	46,614	16.5	152	14.2	783	2,652	4,984	38,043
Saturday	38,030	13.5	182	17.0	860	2,479	4,105	30,404
Sunday	31,345	11.1	178	16.7	726	2,120	3,405	24,916
Total	282,640	100.0	1,068	100.0	4,947	16,411	30,308	229,906

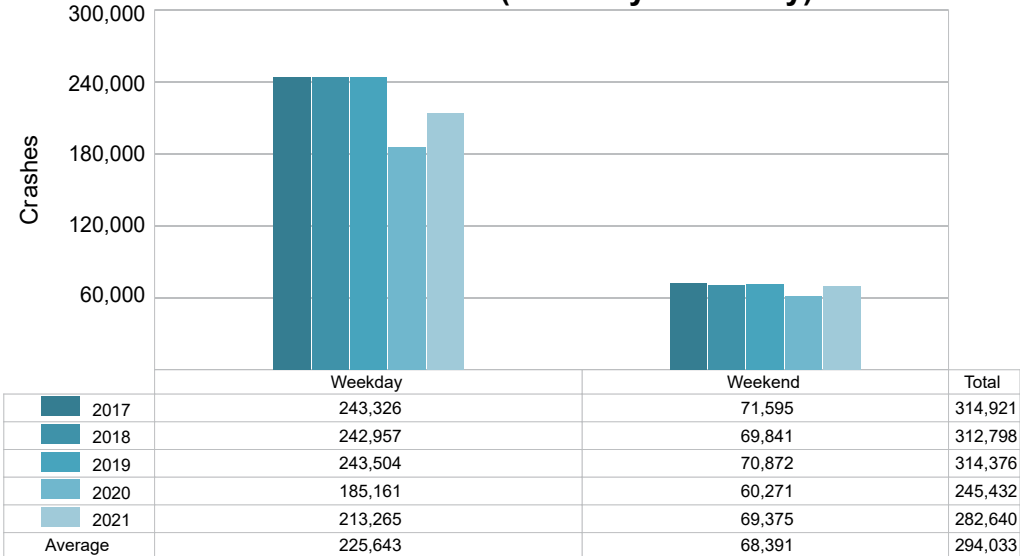
2021 Day of Week and Severity



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	243,326	651	242,957	597	243,504	607	185,161	683	213,265	708
Weekend	71,595	286	69,841	308	70,872	295	60,271	327	69,375	360
Total	314,921	937	312,798	905	314,376	902	245,432	1,010	282,640	1,068

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

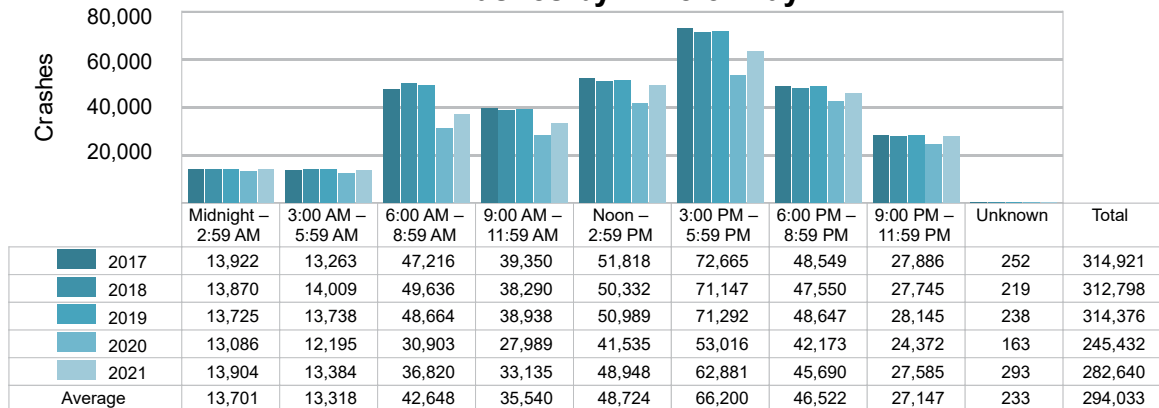


5-Year Trend - Crashes by Time of Day

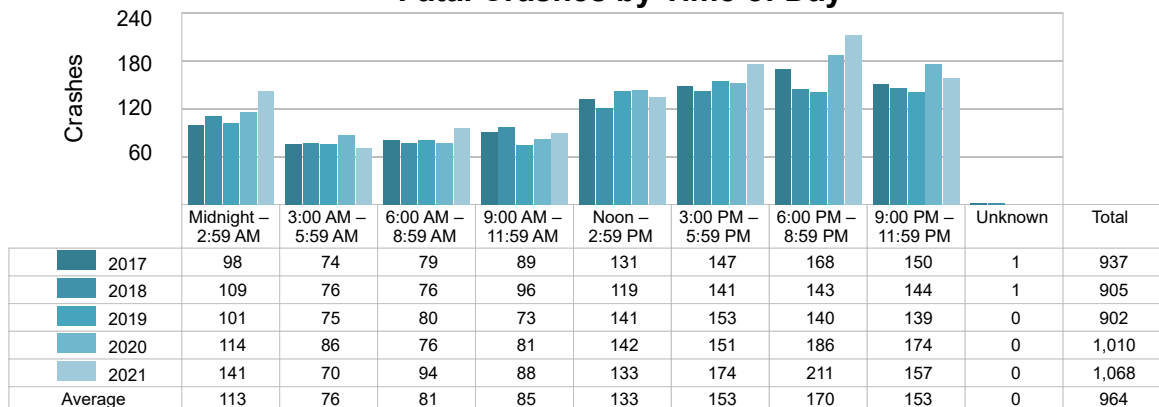
Time of Day	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight – 2:59 AM	13,922	98	13,870	109	13,725	101	13,086	114	13,904	141
3:00 AM – 5:59 AM	13,263	74	14,009	76	13,738	75	12,195	86	13,384	70
6:00 AM – 8:59 AM	47,216	79	49,636	76	48,664	80	30,903	76	36,820	94
9:00 AM – 11:59 AM	39,350	89	38,290	96	38,938	73	27,989	81	33,135	88
Noon – 2:59 PM	51,818	131	50,332	119	50,989	141	41,535	142	48,948	133
3:00 PM – 5:59 PM	72,665 †	147	71,147 †	141	71,292 †	153	53,016 †	151	62,881 †	174
6:00 PM – 8:59 PM	48,549	168	47,550	143	48,647	140	42,173	186	45,690	211
9:00 PM – 11:59 PM	27,886	150	27,745	144	28,145	139	24,372	174	27,585	157
Unknown	252	1	219	1	238	0	163	0	293	0
Total	314,921	937	312,798	905	314,376	902	245,432	1,010	282,640	1,068

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

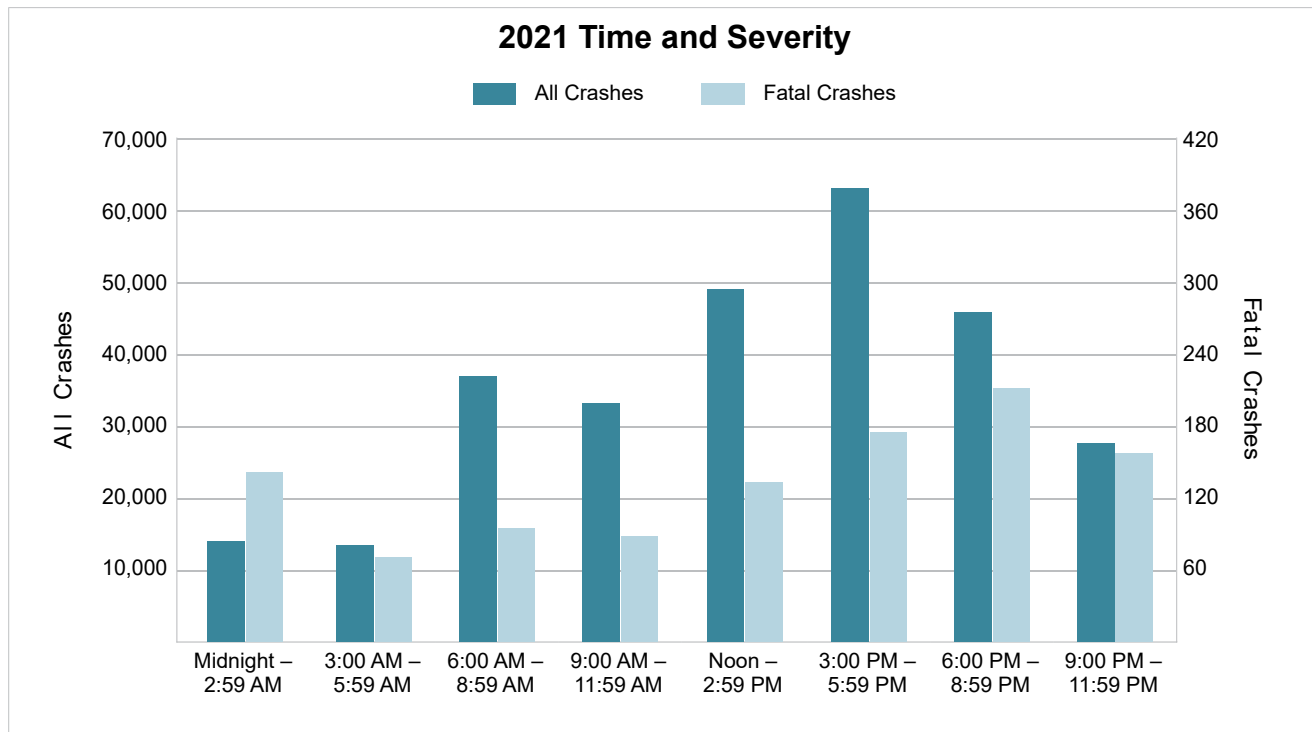


5-Year Trend Fatal Crashes by Time of Day



2021 - Time and Severity

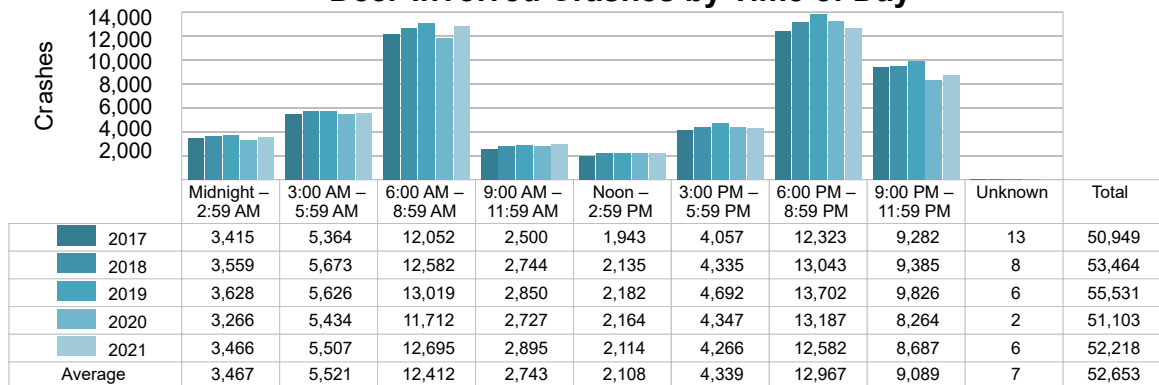
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight – 2:59 AM	13,904	4.9	141	13.2	389	1,015	1,483	10,876
3:00 AM – 5:59 AM	13,384	4.7	70	6.6	233	676	1,033	11,372
6:00 AM – 8:59 AM	36,820	13.0	94	8.8	380	1,489	3,018	31,839
9:00 AM – 11:59 AM	33,135	11.7	88	8.2	513	1,988	3,737	26,809
Noon – 2:59 PM	48,948	17.3	133	12.5	830	3,134	6,117	38,734
3:00 PM – 5:59 PM	62,881	22.2	174	16.3	1,046	3,916	7,675	50,070
6:00 PM – 8:59 PM	45,690	16.2	211	19.8	885	2,589	4,534	37,471
9:00 PM – 11:59 PM	27,585	9.8	157	14.7	667	1,600	2,698	22,463
Unknown	293	0.1	0	0.0	4	4	13	272
Total	282,640	100.0	1,068	100.0	4,947	16,411	30,308	229,906



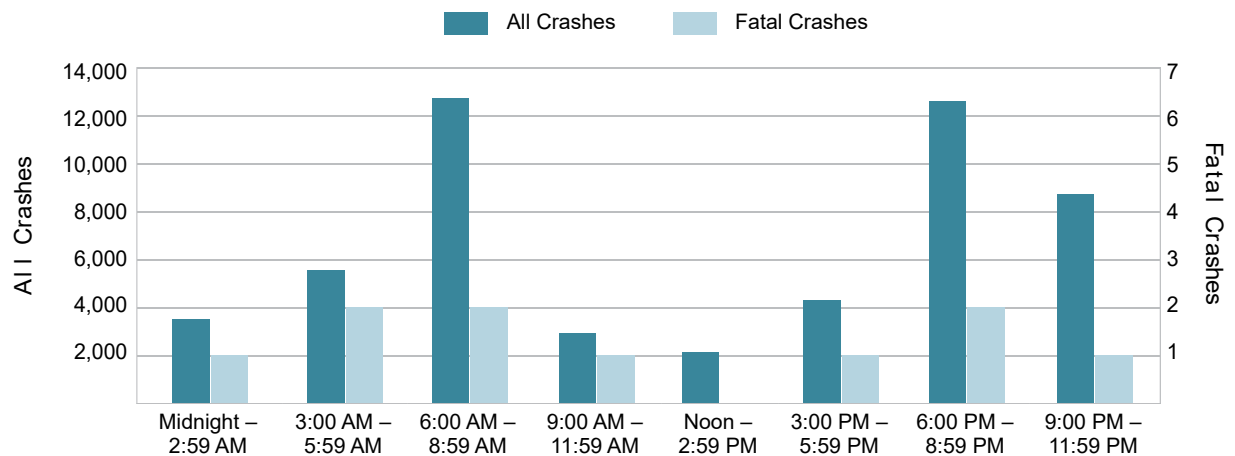
5-Year Trend - Deer-Involved Crashes by Time of Day

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	3,415	4	3,559	0	3,628	0	3,266	1	3,466	1
3:00 AM – 5:59 AM	5,364	1	5,673	1	5,626	0	5,434	1	5,507	2
6:00 AM – 8:59 AM	12,052	1	12,582	3	13,019	1	11,712	0	12,695	2
9:00 AM – 11:59 AM	2,500	0	2,744	1	2,850	0	2,727	1	2,895	1
Noon – 2:59 PM	1,943	1	2,135	1	2,182	1	2,164	0	2,114	0
3:00 PM – 5:59 PM	4,057	2	4,335	2	4,692	1	4,347	0	4,266	1
6:00 PM – 8:59 PM	12,323	5	13,043	4	13,702	6	13,187	0	12,582	2
9:00 PM – 11:59 PM	9,282	2	9,385	2	9,826	3	8,264	2	8,687	1
Unknown	13	0	8	0	6	0	2	0	6	0
Total	50,949	16	53,464	14	55,531	12	51,103	5	52,218	10

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

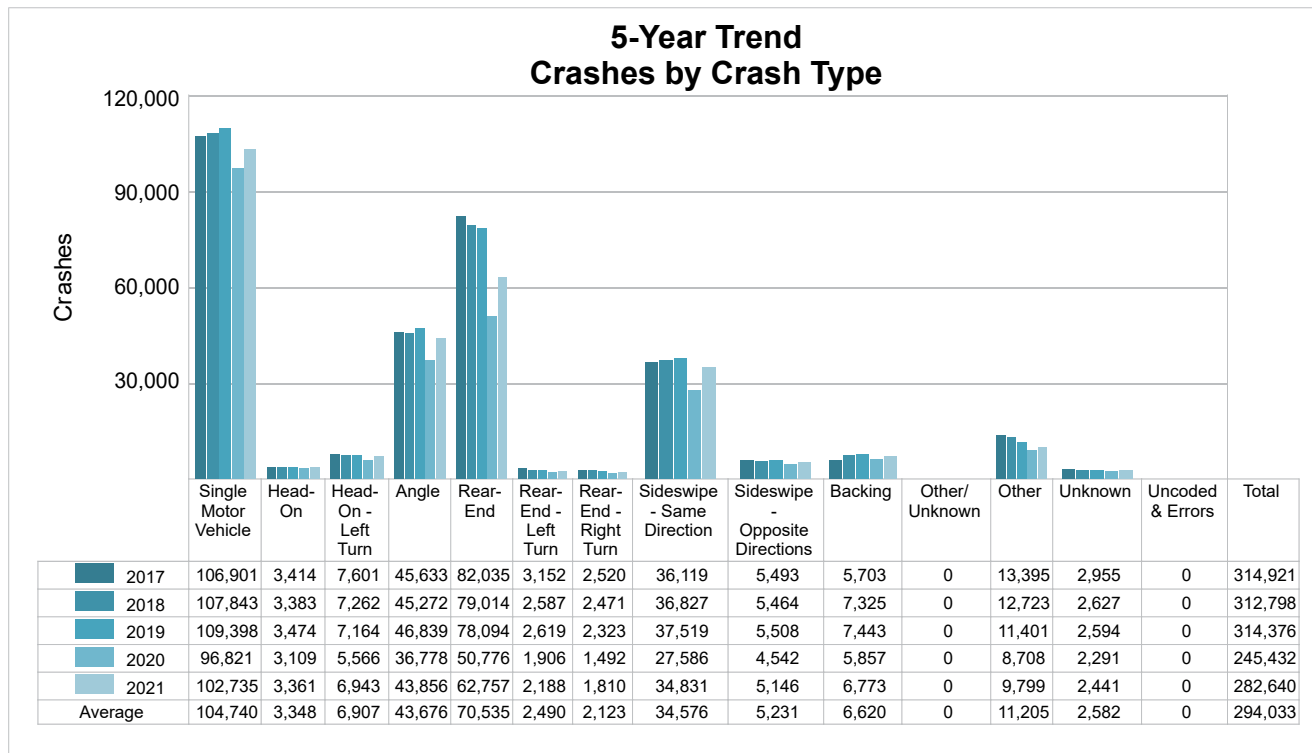


2021 Time and Severity of Deer-Involved Crashes



5-Year Trend - Crashes by Crash Type

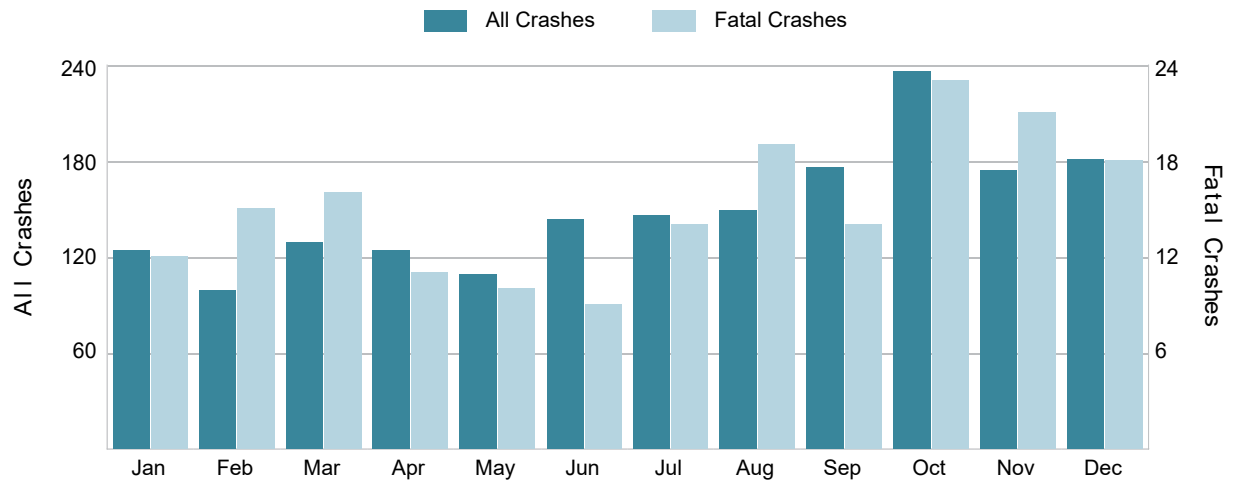
Crash Type	2017		2018		2019		2020		2021	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Single Motor Vehicle	106,901	449	107,843	420	109,398	445	96,821	515	102,735	532
Head-On	3,414	100	3,383	99	3,474	114	3,109	105	3,361	122
Head-On - Left Turn	7,601	33	7,262	34	7,164	38	5,566	43	6,943	46
Angle	45,633	171	45,272	156	46,839	166	36,778	190	43,856	192
Rear-End	82,035	78	79,014	82	78,094	57	50,776	74	62,757	76
Rear-End - Left Turn	3,152	7	2,587	8	2,619	3	1,906	3	2,188	5
Rear-End - Right Turn	2,520	0	2,471	1	2,323	0	1,492	1	1,810	0
Sideswipe - Same Direction	36,119	22	36,827	15	37,519	18	27,586	21	34,831	26
Sideswipe - Opposite Directions	5,493	8	5,464	11	5,508	9	4,542	16	5,146	10
Backing	5,703	0	7,325	2	7,443	0	5,857	0	6,773	1
Other/Unknown	0	0	0	0	0	0	0	0	0	0
Other	13,395	65	12,723	75	11,401	51	8,708	38	9,799	54
Unknown	2,955	4	2,627	2	2,594	1	2,291	4	2,441	4
Uncoded & Errors	0	0	0	0	0	0	0	0	0	0
Total	314,921	937	312,798	905	314,376	902	245,432	1,010	282,640	1,068



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	198	15	194	11	205	12	184	11	124	12
February	174	14	175	10	151	10	145	11	99	15
March	155	10	162	14	158	13	103	11	129	16
April	140	15	134	8	153	9	53	8	124	11
May	167	8	168	8	178	6	79	12	109	10
June	173	10	167	9	153	12	165	16	143	9
July	163	9	167	11	184	7	151	11	146	14
August	182	16	158	20	170	16	168	21	149	19
September	234	15	210	15	217	8	182	20	176	14
October	259	15	227	11	274	25	157	20	236	23
November	239	17	221	11	202	9	157	19	174	21
December	201	12	220	17	215	16	138	13	181	18
Total	2,285	156	2,203	145	2,260	143	1,682	173	1,790	182

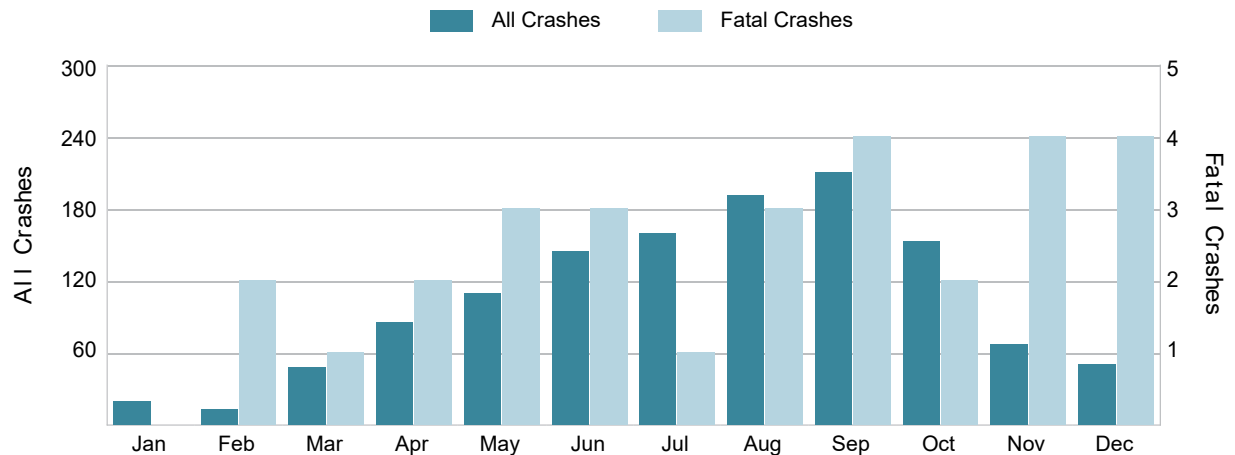
2021 Pedestrian-Involved Crashes by Month



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	44	2	28	2	32	0	38	2	19	0
February	56	1	31	1	13	1	31	0	13	2
March	49	1	49	0	44	1	37	1	48	1
April	100	0	68	2	87	2	48	3	85	2
May	158	1	169	1	138	1	92	1	109	3
June	221	4	209	4	212	3	190	3	144	3
July	258	3	236	2	230	4	201	4	159	1
August	240	4	236	4	237	4	214	9	191	3
September	261	3	259	6	231	2	169	4	210	4
October	181	0	142	1	178	2	90	2	153	2
November	99	0	71	0	49	0	81	2	67	4
December	45	2	48	0	41	1	33	6	50	4
Total	1,712	21	1,546	23	1,492	21	1,224	37	1,248	29

2021 Bicyclist-Involved Crashes by Month



2021 - Reported Motor Vehicle Crashes by Post

Post	Crashes													
	Total	Fatal	Injury	Property Damage	Inter-State	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Pedestrian-Involved	Bicyclist-Involved	
Post 11: Lansing	12,875	46	2,338	10,491	2,044	635	3,154	7,030	400	131	2,812	84	71	
Post 12: Brighton	13,053	40	2,177	10,836	1,901	1,822	1,409	7,877	472	191	2,028	99	69	
Post 13: Jackson	6,976	30	929	6,017	769	494	1,329	4,379	236	68	2,480	23	20	
Post 14: Monroe	5,938	38	1,172	4,728	433	1,240	874	3,384	347	111	1,178	35	20	
Post 21: Metro North	53,909	121	10,839	42,949	5,595	1,865	11,024	35,372	1,554	444	2,442	288	277	
Post 22: Metro South	50,490	202	11,830	38,458	6,402	3,003	9,350	31,644	1,491	408	511	562	281	
Post 31: Tri-City	10,719	39	1,837	8,843	764	496	3,321	6,107	412	109	2,383	73	41	
Post 32: West Branch	2,822	17	399	2,406	231	329	738	1,509	115	38	1,431	12	5	
Post 33: Caro	4,659	25	501	4,133	0	0	1,856	2,800	155	51	2,983	12	3	
Post 34: Lapeer	6,467	33	1,038	5,396	794	0	1,538	4,126	229	90	2,367	18	29	
Post 35: Flint	12,707	64	2,584	10,059	1,422	410	2,186	8,667	444	184	2,240	78	36	
Post 51: Paw Paw	10,455	54	1,861	8,540	959	345	1,633	7,497	372	126	1,990	66	52	
Post 52: Wayland	5,425	20	749	4,656	344	491	1,315	3,270	213	46	2,008	15	15	
Post 53: Niles	6,010	40	1,008	4,962	683	588	1,443	3,286	246	74	1,670	22	18	
Post 54: Marshall	7,918	37	1,128	6,753	1,202	837	1,641	4,211	254	79	2,620	55	20	
Post 61: Grand Rapids	32,415	105	6,077	26,233	2,165	3,186	5,514	21,523	1,241	351	3,864	213	180	
Post 62: Hart	3,919	12	481	3,426	0	782	693	2,439	151	52	2,020	7	6	
Post 63: Mount Pleasant	6,176	16	746	5,414	0	1,488	1,328	3,355	174	47	2,803	24	14	
Post 64: Lakeview	5,223	30	725	4,468	364	545	1,504	2,803	149	64	2,222	22	6	
Post 71: Cadillac	6,621	26	913	5,682	0	1,691	1,339	3,572	245	76	2,119	30	27	
Post 72: Houghton Lake	2,540	10	377	2,153	256	272	710	1,297	93	37	1,243	5	7	
Post 73: Gaylord	4,918	16	580	4,322	412	935	956	2,581	159	59	2,216	14	11	
Post 74: Alpena	2,415	6	312	2,097	0	385	773	1,250	80	23	1,367	8	9	
Post 81: Negaunee	1,777	8	241	1,528	0	508	388	877	74	43	468	4	8	
Post 82: Sault Ste Marie	907	5	137	765	181	0	296	429	32	17	329	3	5	
Post 83: St. Ignace	840	3	95	742	95	276	232	226	28	13	450	3	3	
Post 84: Gladstone	1,383	6	213	1,164	0	526	218	629	75	27	528	8	5	
Post 85: Iron Mountain	1,352	8	132	1,212	0	528	286	521	37	14	747	4	5	
Post 86: Wakefield	509	2	81	426	0	163	182	161	35	8	252	0	0	
Post 87: Calumet	1,222	9	166	1,047	0	491	305	418	44	18	447	3	5	
Total	282,640	1,068	51,666	229,906	27,016	24,331	57,535	173,240	9,557	2,999	52,218	1,790	1,248	

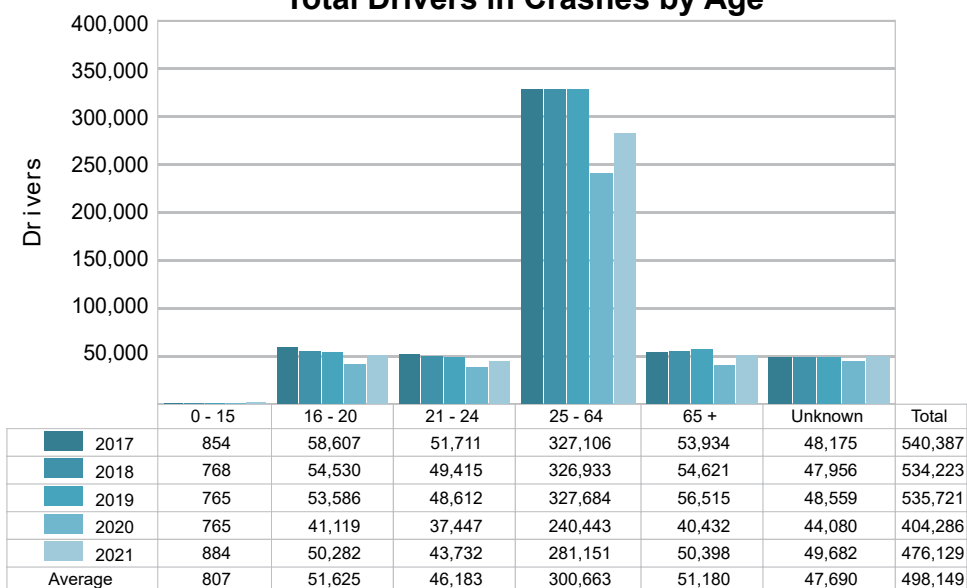
2021 - People in Reported Motor Vehicle Crashes by Post

Post	People					
	Fatalities	Suspected Serious Injuries	Suspected Minor Injuries	Possible Injuries	No Injuries	Uncoded & Errors
Post 11: Lansing	50	540	1,656	3,649	20,644	1,908
Post 12: Brighton	42	433	2,118	2,743	21,540	1,548
Post 13: Jackson	32	222	625	1,218	9,724	666
Post 14: Monroe	41	374	957	1,396	8,793	832
Post 21: Metro North	125	1,538	9,310	16,740	93,732	9,969
Post 22: Metro South	219	2,526	9,002	20,322	80,515	20,984
Post 31: Tri-City	41	457	1,248	2,915	16,836	1,250
Post 32: West Branch	18	165	227	420	3,626	78
Post 33: Caro	26	169	481	391	5,381	112
Post 34: Lapeer	35	282	923	1,189	9,446	518
Post 35: Flint	66	576	1,721	4,157	19,786	2,108
Post 51: Paw Paw	56	519	1,416	2,653	16,696	1,681
Post 52: Wayland	20	244	628	834	7,474	252
Post 53: Niles	42	284	658	1,375	8,821	594
Post 54: Marshall	38	329	990	1,272	11,352	622
Post 61: Grand Rapids	114	1,318	4,358	9,716	52,796	6,055
Post 62: Hart	14	209	460	421	5,054	112
Post 63: Mount Pleasant	16	267	562	805	8,219	271
Post 64: Lakeview	31	249	547	884	7,365	286
Post 71: Cadillac	27	236	630	1,196	9,318	476
Post 72: Houghton Lake	11	171	266	381	3,338	85
Post 73: Gaylord	17	161	424	634	6,398	174
Post 74: Alpena	6	84	225	367	3,111	68
Post 81: Negaunee	9	86	174	288	2,568	228
Post 82: Sault Ste Marie	5	66	92	134	1,324	74
Post 83: St. Ignace	3	61	53	94	1,053	22
Post 84: Gladstone	7	81	102	291	1,915	95
Post 85: Iron Mountain	9	51	91	161	1,720	87
Post 86: Wakefield	2	43	67	64	603	37
Post 87: Calumet	9	56	148	176	1,710	103
Total	1,131	11,797	40,159	76,886	440,858	51,295

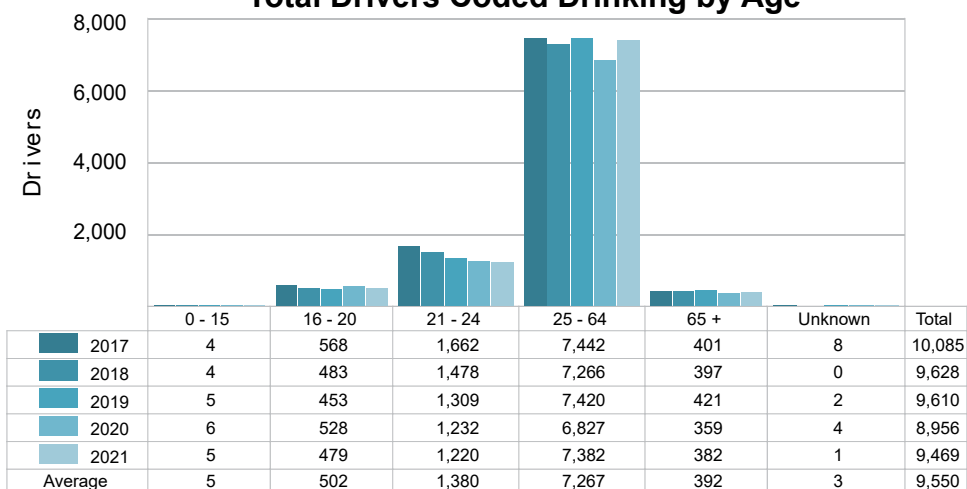
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	854	4	768	4	765	5	765	6	884	5
16 - 20	58,607	568	54,530	483	53,586	453	41,119	528	50,282	479
21 - 24	51,711	1,662	49,415	1,478	48,612	1,309	37,447	1,232	43,732	1,220
25 - 64	327,106	7,442	326,933	7,266	327,684	7,420	240,443	6,827	281,151	7,382
65 +	53,934	401	54,621	397	56,515	421	40,432	359	50,398	382
Unknown	48,175	8	47,956	0	48,559	2	44,080	4	49,682	1
Total	540,387	10,085	534,223	9,628	535,721	9,610	404,286	8,956	476,129	9,469

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	11	10	4	5	0	0	1	0	4
16 - 20	821	674	410	479	0	65	160	88	166
21 - 24	1,615	1,329	1,029	1,220	2	96	346	296	480
25 - 64	9,956	8,026	6,154	7,382	10	427	1,543	2,250	3,152
65 +	706	539	342	382	0	46	107	88	141
Unknown	1,193	4	0	1	0	0	0	0	1
Total	14,302	10,582	7,939	9,469	12	634	2,157	2,722	3,944

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).

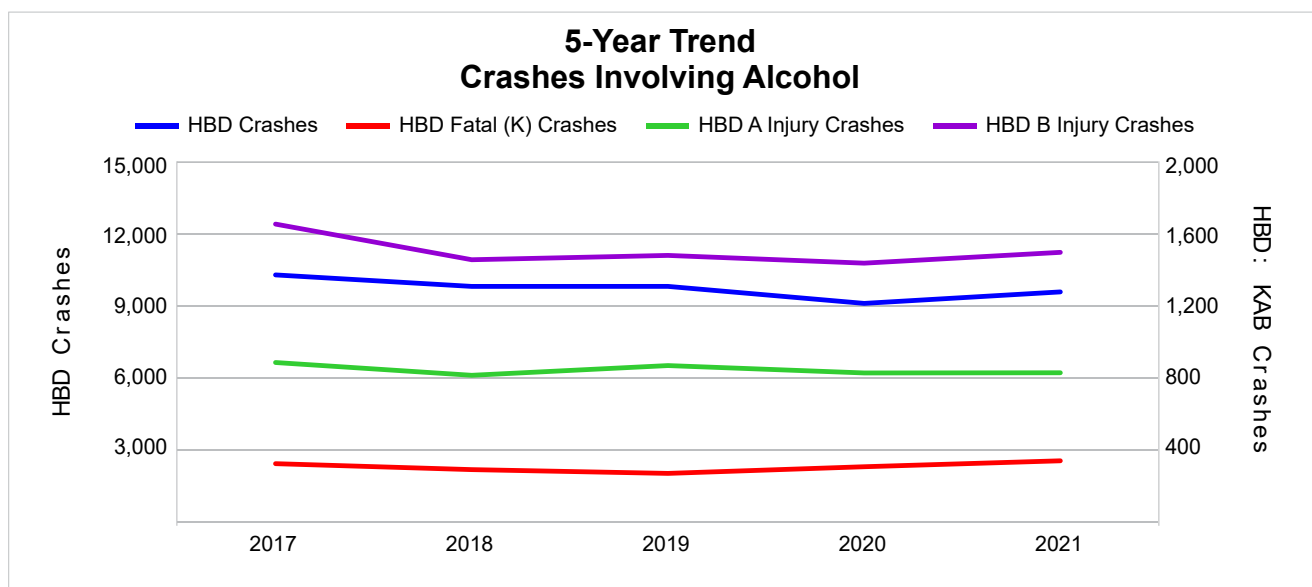
A driver may be coded by the officer as drinking even though no test is administered.

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	314,921	10,265	3.3	937	320	34.2	5,035	882	17.5	16,356	1,651	10.1
2018	312,798	9,786	3.1	905	287	31.7	4,660	811	17.4	15,845	1,453	9.2
2019	314,376	9,787	3.1	902	266	29.5	4,688	865	18.5	15,714	1,477	9.4
2020	245,432	9,078	3.7	1,010	303	30.0	4,484	824	18.4	13,762	1,434	10.4
2021	282,640	9,557	3.4	1,068 **	336 **	31.5	4,947	825	16.7 *	16,411 **	1,494	9.1 *

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

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



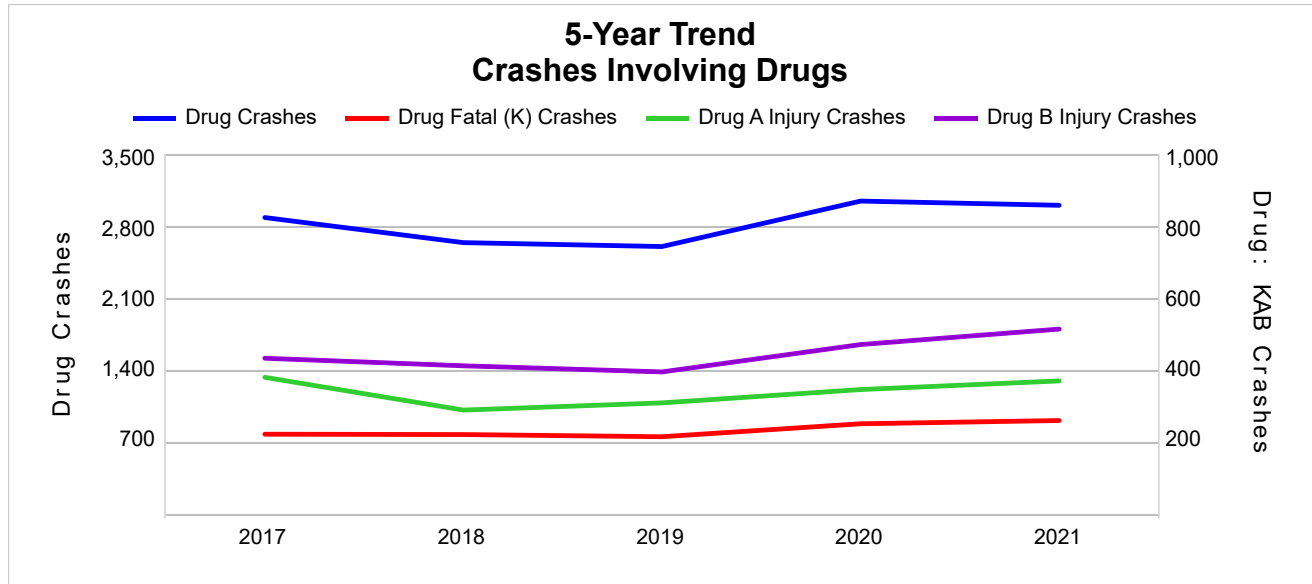
Note: Had-Been-Drinking (HBD)

5-Year Trend - Crashes Involving Drugs

Year	All Crashes	Drug Crashes	% Drug	Fatal Crashes	Drug Fatal Crashes	% Drug	A Injury Crashes	Drug A Injury Crashes	% Drug	B Injury Crashes	Drug B Injury Crashes	% Drug
2017	314,921	2,880	0.9	937	221	23.6	5,035	379	7.5	16,356	432	2.6
2018	312,798	2,636	0.8	905	220	24.3	4,660	288	6.2	15,845	411	2.6
2019	314,376	2,598	0.8	902	214	23.7	4,688	308	6.6	15,714	394	2.5
2020	245,432	3,040	1.2	1,010	250	24.8	4,484	345	7.7	13,762	470	3.4
2021	282,640	2,999	1.1	1,068 **	259 **	24.3	4,947	369	7.5	16,411 **	513 **	3.1

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

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

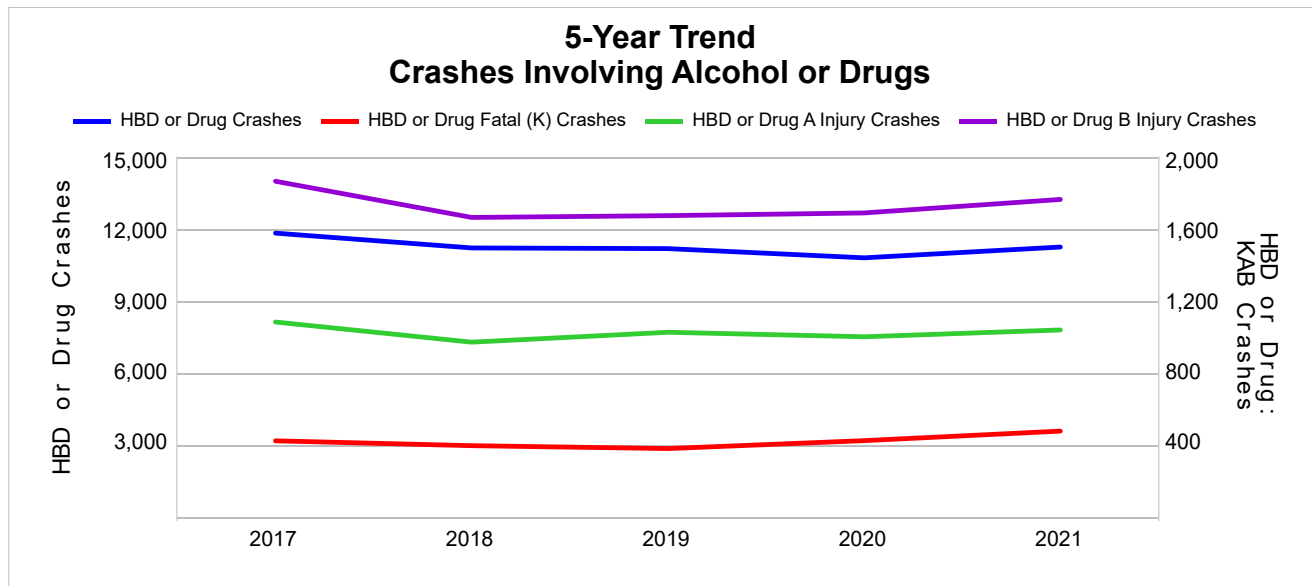


5-Year Trend - Crashes Involving Alcohol or Drugs

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	314,921	11,811	3.8	937	421	44.9	5,035	1,081	21.5	16,356	1,863	11.4
2018	312,798	11,194	3.6	905	394	43.5	4,660	969	20.8	15,845	1,662	10.5
2019	314,376	11,166	3.6	902	378	41.9	4,688	1,024	21.8	15,714	1,672	10.6
2020	245,432	10,782	4.4	1,010	422	41.8	4,484	999	22.3	13,762	1,687	12.3
2021	282,640	11,232	4.0	1,068 **	475 **	44.5	4,947	1,037	21.0	16,411 **	1,762	10.7

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	395,450	336,100	85.0	580	281	48.4	3,733	2,610	69.9	15,867	13,889	87.5	38,577	34,435	89.3	305,063	284,883	93.4
Motor Home	1,090	963	88.3	0	0	0.0	6	4	66.7	36	31	86.1	94	87	92.6	895	841	94.0
Pickup Truck	58,472	51,480	88.0	112	41	36.6	563	345	61.3	1,793	1,553	86.6	3,529	3,257	92.3	48,439	46,283	95.5
Small Truck Under 10,000 lbs. GVWR	2,124	1,759	82.8	2	0	0.0	16	14	87.5	46	39	84.8	106	100	94.3	1,710	1,606	93.9
Motorcycle	3,514	1,913	54.4	166	75	45.2	838	418	49.9	1,135	666	58.7	553	336	60.8	694	418	60.2
Moped/Goped	498	135	27.1	7	0	0.0	91	20	22.0	189	50	26.5	121	36	29.8	65	29	44.6
Go-Cart/Golf Cart	68	10	14.7	0	0	0.0	6	0	0.0	25	2	8.0	16	5	31.3	18	3	16.7
Snowmobile	105	88	83.8	5	4	80.0	32	29	90.6	20	18	90.0	12	10	83.3	34	27	79.4
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	524	180	34.4	21	3	14.3	122	37	30.3	130	41	31.5	84	34	40.5	148	65	43.9
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	1,630	912	56.0	8	1	12.5	33	7	21.2	52	22	42.3	98	46	46.9	1,135	836	73.7
Truck/Bus (over 10,000 lbs. GVWR/ 8+ occupants/ hazmat placard)	15,233	13,364	87.7	18	5	27.8	63	46	73.0	259	202	78.0	565	386	68.3	13,479	12,725	94.4
Uncoded & Errors	13,924	18	0.1	0	0	0.0	1	0	0.0	3	0	0.0	7	4	57.1	136	14	10.3
Total	492,632	406,922	82.6	919	410	44.6	5,504	3,530	64.1	19,555	16,513	84.4	43,762	38,736	88.5	371,816	347,730	93.5

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	4,911	4,038	82.2	22	11	50.0	228	127	55.7	959	733	76.4	3,033	2,635	86.9	650	532	81.8
16 - 20	52,866	49,140	93.0	90	38	42.2	626	383	61.2	2,540	2,140	84.3	5,193	4,527	87.2	44,241	42,052	95.1
21 - 24	45,253	41,272	91.2	80	30	37.5	518	317	61.2	2,209	1,795	81.3	4,464	3,851	86.3	37,737	35,279	93.5
25 - 64	287,900	263,365	91.5	574	227	39.5	3,474	2,162	62.2	11,372	9,544	83.9	25,961	22,938	88.4	244,710	228,491	93.4
65 +	52,013	49,080	94.4	153	104	68.0	656	541	82.5	2,471	2,300	93.1	5,090	4,781	93.9	43,444	41,354	95.2
Unknown	49,689	27	0.1	0	0	0.0	2	0	0.0	4	1	25.0	21	4	19.0	1,034	22	2.1
Total	492,632	406,922	82.6	919	410	44.6	5,504	3,530	64.1	19,555	16,513	84.4	43,762	38,736	88.5	371,816	347,730	93.5

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	831	5	177	694	5	112	752	3	101	720	4	155	882	9	198
Shoulder Belt Only Used	2,205	2	296	1,814	1	253	1,991	5	263	1,680	0	246	1,947	2	268
Lap Belt Only Used	1,033	2	118	854	3	130	816	1	98	552	1	64	647	1	91
Both Lap & Shoulder Belt Used	461,132	286	49,557	455,080	268	48,208	454,944	255	47,119	329,009	226	36,406	388,866	258	43,672
No Belts Used	2,951	145	1,263	2,697	143	1,196	2,658	155	1,191	2,728	178	1,323	3,067	196	1,513
Child Restraint Used - Forward Facing	17	0	2	10	0	3	2	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	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child Restraint Used - Booster Seat	18	0	1	0	0	0	3	0	0	0	0	0	0	0	0
Restraint Failure	141	0	34	97	0	13	112	1	15	81	0	11	83	0	13
Restraint Use Unknown	61,069	75	2,503	62,917	77	2,740	64,561	73	2,807	60,195	105	3,245	69,979	104	3,814
Helmet Worn	2,175	72	1,537	2,010	77	1,464	2,041	61	1,468	2,050	76	1,523	2,103	79	1,529
Helmet Not Worn	1,181	69	890	1,135	53	872	1,236	64	931	1,531	84	1,176	1,563	82	1,217
Helmet Use Unknown	203	11	111	196	6	119	203	13	110	249	18	151	273	27	161
Uncoded & Errors	7,429	0	2	6,719	0	1	6,402	0	0	5,491	0	1	6,719	0	3
Total	540,387	667	56,491	534,223	633	55,111	535,721	631	54,103	404,286	692	44,301	476,129	758	52,479

5-Year Trend - Restraint Use Among Drivers Coded Drinking

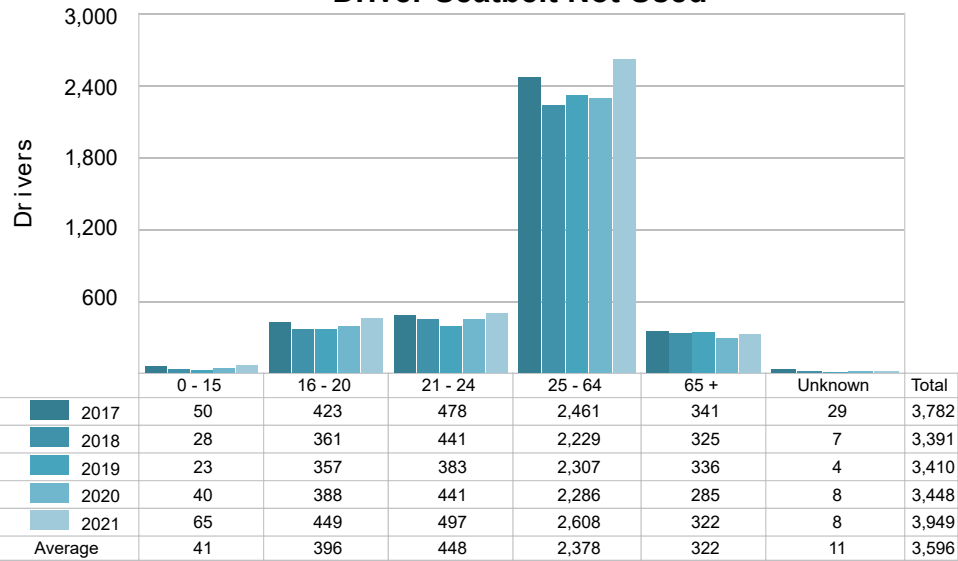
Restraint Use	2017			2018			2019			2020			2021		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No Belts Available	25	0	14	24	1	9	12	0	7	25	0	12	31	2	19
Shoulder Belt Only Used	40	1	19	32	0	8	37	0	7	34	0	10	41	0	9
Lap Belt Only Used	16	0	4	11	1	4	15	0	10	15	0	6	20	0	10
Both Lap & Shoulder Belt Used	7,287	55	2,019	6,984	41	1,937	6,893	36	1,847	6,166	31	1,822	6,611	53	1,928
No Belts Used	579	69	363	522	55	331	565	63	359	573	63	379	612	80	372
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	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint Failure	1	0	0	5	0	2	6	0	1	5	0	1	4	0	0
Restraint Use Unknown	1,818	29	510	1,773	32	521	1,762	27	511	1,820	27	549	1,819	26	542
Helmet Worn	96	14	72	100	14	74	86	13	66	89	10	68	101	10	77
Helmet Not Worn	196	26	158	159	23	123	213	27	170	209	26	153	212	29	164
Helmet Use Unknown	19	5	11	16	0	11	21	2	10	20	4	12	18	4	11
Uncoded & Errors	5	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Total	10,085	199	3,170	9,628	167	3,020	9,610	168	2,988	8,956	161	3,012	9,469	204	3,132

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	50	0	24	28	0	9	23	0	4	40	0	18	65	1	31
16 - 20	423	12	191	361	12	164	357	7	165	388	12	199	449	19	226
21 - 24	478	30	216	441	18	202	383	18	181	441	24	220	497	25	255
25 - 64	2,461	88	902	2,229	95	852	2,307	106	839	2,286	111	940	2,608	141	1,083
65 +	341	20	107	325	23	81	336	27	103	285	35	100	322	19	116
Unknown	29	0	0	7	0	0	4	0	0	8	0	1	8	0	0
Total	3,782	150	1,440	3,391	148	1,308	3,410	158	1,292	3,448	182	1,478	3,949	205	1,711

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

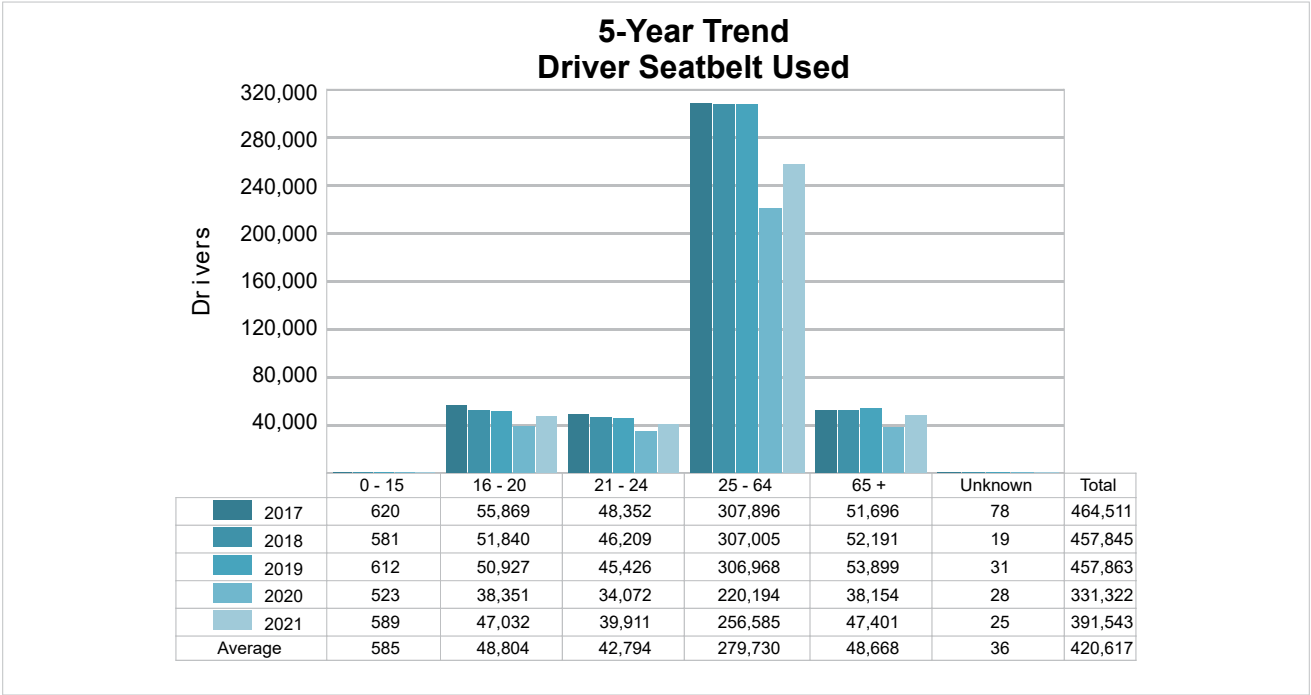
5-Year Trend Driver Seatbelt Not Used



5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2017			2018			2019			2020			2021		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	620	0	70	581	1	56	612	0	63	523	0	69	589	1	67
16 - 20	55,869	23	5,923	51,840	20	5,416	50,927	21	5,080	38,351	12	4,230	47,032	28	4,987
21 - 24	48,352	21	5,217	46,209	25	4,876	45,426	16	4,714	34,072	19	3,823	39,911	17	4,670
25 - 64	307,896	161	32,583	307,005	147	31,912	306,968	140	31,343	220,194	126	23,848	256,585	141	28,298
65 +	51,696	85	6,208	52,191	79	6,342	53,899	85	6,291	38,154	70	4,756	47,401	74	6,019
Unknown	78	0	4	19	0	2	31	0	4	28	0	1	25	0	3
Total	464,511	290	50,005	457,845	272	48,604	457,863	262	47,495	331,322	227	36,727	391,543	261	44,044

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	273,468	671	271,102	626	273,443	579	206,962	634	242,324	638
Speed Too Fast	31,143	161	31,239	182	31,724	177	22,391	190	24,721	215
Speed Too Slow	254	3	269	3	198	2	140	0	148	1
Failed to Yield	46,812	102	46,846	100	47,139	107	34,404	105	43,048	116
Disregard Traffic Control	10,291	67	10,395	66	10,370	58	9,700	67	11,081	63
Drove Wrong Way	374	13	404	6	373	1	371	10	421	7
Drove Left of Center	2,446	58	2,456	60	2,473	68	2,193	54	2,457	53
Improper Passing	2,779	8	2,853	7	2,999	9	2,366	6	2,988	12
Improper Lane Use	13,364	12	13,594	8	13,969	12	10,054	17	13,211	19
Improper Turn	5,332	10	5,203	3	5,548	6	4,344	12	5,125	5
Improper/No Signal	477	0	450	0	449	0	292	0	383	1
Improper Backing	7,429	1	7,453	1	7,435	0	5,536	1	6,309	1
Unable to Stop in Assured Clear Distance	75,830	52	72,568	59	72,328	43	45,227	45	56,146	50
Other	17,012	67	16,814	70	16,703	79	13,432	80	15,305	91
Unknown	31,663	139	32,305	155	31,059	161	29,127	195	32,814	224
Reckless Driving	2,564	73	2,291	64	2,286	52	2,620	112	2,692	103
Careless/Negligent Driving	12,775	81	11,998	91	11,483	79	10,386	90	10,977	83
Uncoded & Errors	6,374	12	5,983	8	5,742	17	4,741	8	5,979	6
Total	540,387	1,530	534,223	1,509	535,721	1,450	404,286	1,626	476,129	1,688

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