ROADWAY INJURY EXPERIENCE FOR PERSONS WHO HAD BEEN DRINKING AND/OR USING DRUGS

VEHICLE	VEHICLE SEVERITY TOT		CRASHES INVOLVING Drinking, not drugs		CRASHES INVOLVING Drugs, not drinking			INVOLVING And Drugs	TOTAL CRASHES INVOLVING Drinking and/or drugs	
			Operator in Crash	Operator Drinking	Operator in Crash	Operator Drugs	Operator in Crash	Operator Drinking and Drugs	Operator in Crash	Operator Drinking and/or Drugs
	Total	1,723	68	57	7	2	12	5	87	64
	Killed	21	4	1	2	1	1	0	7	2
BICYCLISTS	Injured	1,363	62	56	5	1	11	5	78	62
	Total	540,387	13,188	8,768	2,533	1,535	1,959	1,294	17,680	11,597
	Killed	667	139	122	74	52	92	74	305	248
DRIVERS	Injured	56,491	3,453	2,632	895	650	697	526	5,045	3,808
	Total	3,237	251	219	27	18	45	37	323	274
	Killed	137	24	22	9	6	18	15	51	43
MOTORCYCLISTS	Injured	2,238	198	179	16	11	26	21	240	211
Ž.	Total	451	88	83	5	5	3	3	96	91
070	Killed	21	10	10	2	2	1	1	13	13
ORV/ATV RIDERS	Injured	288	50	50	2	2	2	2	54	54
å	Total	2,411	240	182	30	14	38	27	308	223
	Killed	158	37	27	16	8	18	14	71	49
PEDESTRIANS	Injured	1,945	191	144	12	5	20	13	223	162
	Total	122	14	13	0	0	1	1	15	14
	Killed	4	1	1	0	0	1	1	2	2
SNOWMOBILERS	Injured	74	12	11	0	0	0	0	12	11

^{*}Total does include property damage only crashes



^{**}There were two bicyclists, 248 drivers, 43 motorcyclists, 13 ORV/ATV riders, 49 pedestrians, and two snowmobilers who were killed and coded as drinking and/or using drugs by the police officer.

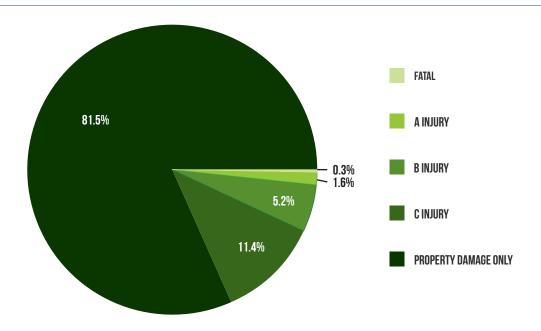
DRIVER DRINKING AND/OR USING DRUGS AND INJURY SEVERITY IN CRASH BY AGE

AGE OF DRIVER In Crash		ALL CRASHES				FATAL				INJURY			
iit olinoii	Drinking Only	Drugs Only	Both	Total	Drinking Only	Drugs Only	Both	Total	Drinking Only	Drugs Only	Both	Total	
13 years and under	0	1	0	1	0	0	0	0	0	0	0	0	
14 years	1	0	0	1	0	0	0	0	1	0	0	1	
15 years	3	2	0	5	0	0	0	0	1	1	0	2	
16 years	13	18	3	34	1	3	1	5	4	9	1	14	
17 years	41	29	10	80	0	2	0	2	13	16	4	33	
18 years	87	49	24	160	0	2	1	3	38	17	11	66	
19 years	147	65	43	255	4	3	4	11	55	41	24	120	
20 years	167	59	33	259	3	6	3	12	63	28	16	107	
21 - 24 years	1,452	193	210	1,855	25	22	18	65	554	82	100	736	
25 - 34 years	2,702	487	418	3,607	66	21	38	125	1,001	228	186	1,415	
35 - 44 years	1,589	271	233	2,093	38	27	9	74	612	127	108	847	
45 - 54 years	1,324	178	190	1,692	32	11	14	57	498	89	81	668	
55 - 64 years	879	152	107	1,138	17	7	7	31	366	78	50	494	
65 - 69 years	228	27	16	271	5	4	0	9	82	8	7	97	
70 - 74 years	91	20	5	116	3	5	0	8	35	10	3	48	
75 - 79 years	41	3	2	46	0	0	1	1	16	1	0	17	
80 - 84 years	11	2	0	13	1	0	0	1	8	1	0	9	
85 - 89 years	6	1	0	7	2	1	0	3	3	0	0	3	
90 years and over	1	1	0	2	0	0	0	0	0	0	0	0	
Unknown	8	0	0	8	0	0	0	0	3	0	0	3	
Total	8,791	1,558	1,294	11,643	197	114	96	407	3,353	736	591	4,680	

The driver age group 25 to 34 years represents the highest number of drinking and/or drug use in total crashes, injury crashes, and fatal crashes, with the exception of drugs only in fatal crashes, where the 35 to 44 age group has the highest involvement.

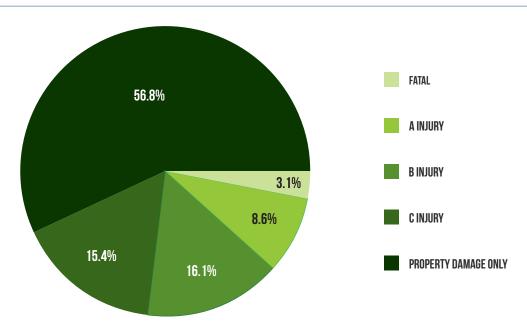


ALL CRASHES BY INJURY SEVERITY



The majority of crashes do not involve injury (81.5%). Possible (C) injury crashes represent about 62% of those that do involve injury.

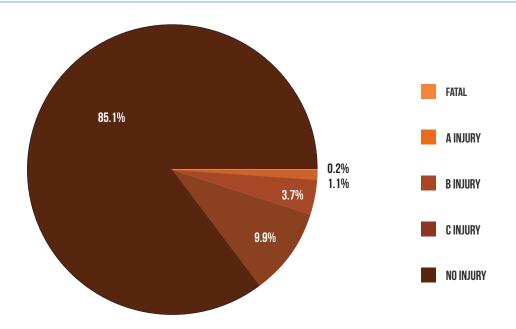
HAD-BEEN-DRINKING CRASHES BY INJURY SEVERITY



The problem of the drinking driver, pedestrian, and/or cyclist is seen by comparing the two charts on this page. For all had-been-drinking crashes, injury levels are greater, and a fatality in the crash is about ten times more likely when one of the crash-involved operators is reported as had-been-drinking (HBD).

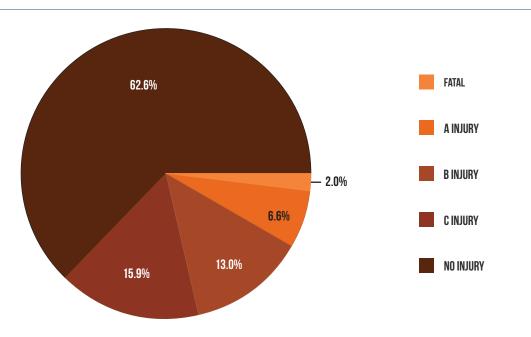


DEATH & INJURY FOR CRASH INVOLVED OCCUPANTS



The majority of occupants involved in crashes are not injured (85.1%). About 67% percent of those who are injured receive only possible (C) injuries.

OCCUPANTS IN HAD-BEEN-DRINKING CRASHES

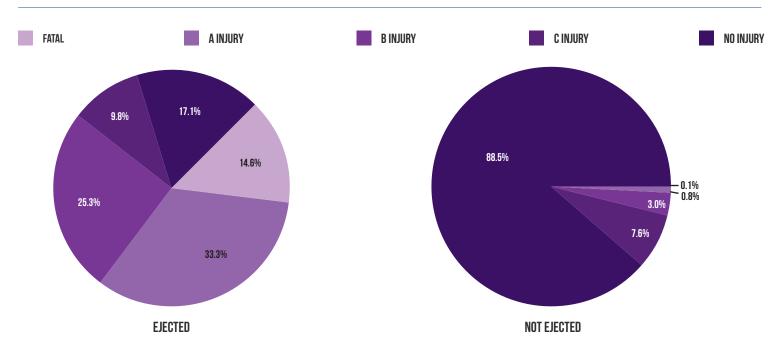


Crashes involving drinking tend to be more serious than nondrinking crashes. The percentage of occupant fatalities is about 12 times higher than in all crashes and the incapacitating injury level (A) is about six times higher.

Note: Occupants include all drivers plus all injured or killed persons in or on a motor vehicle.

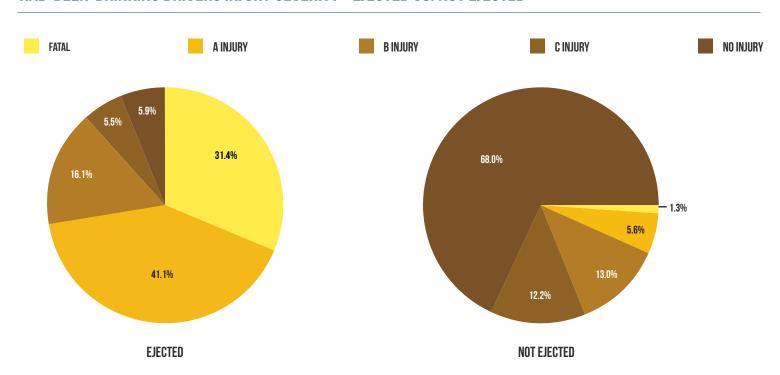


ALL DRIVERS INJURY SEVERITY - EJECTED VS. NOT EJECTED



As shown by the two charts above, death and injury are much more likely when drivers are ejected from vehicles.

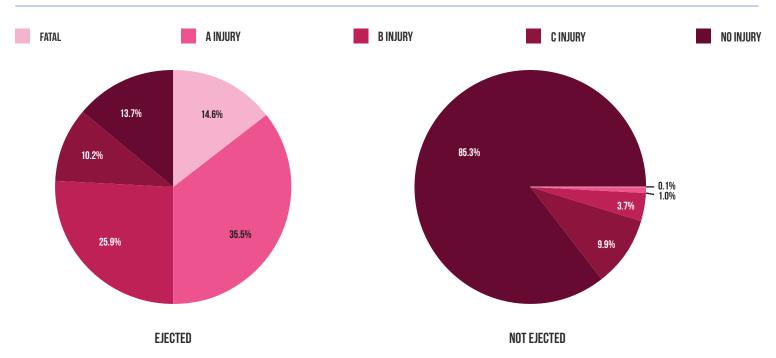
HAD-BEEN-DRINKING DRIVERS INJURY SEVERITY - EJECTED VS. NOT EJECTED



When compared to the charts above, the had-been-drinking charts demonstrate that injury severity is much worse for drivers reported to be drinking in both ejected and non-ejected events.

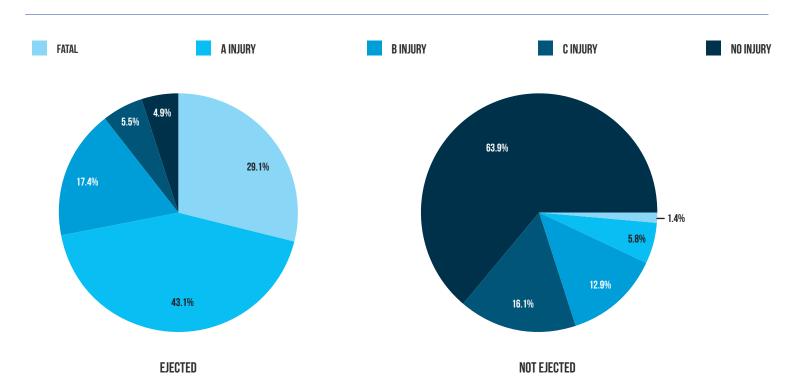


ALL OCCUPANTS OF CRASHES INJURY SEVERITY - EJECTED VS. NOT EJECTED



As can be seen in the two charts above, death and injury are much more likely when occupants are ejected from vehicles.

OCCUPANTS OF HAD-BEEN-DRINKING CRASHES INJURY SEVERITY - EJECTED VS. NOT EJECTED



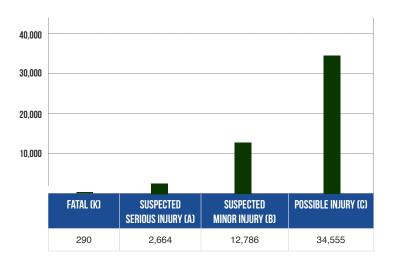
When compared to the charts above, the charts of occupants of had-been-drinking crashes demonstrate that injury severity is much worse for occupants in a crash where drinking is reported in both ejected and non-ejected events.

Note: Occupants include all drivers plus all injured or killed persons in or on a motor vehicle.

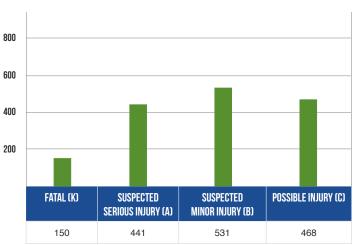


INJURY SEVERITY & BELT USE BY DRIVER INJURY

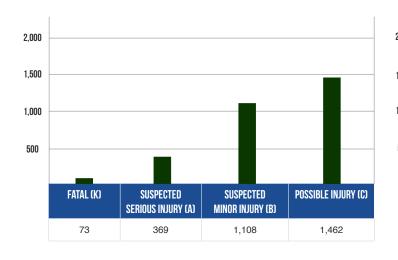
ALL CRASHES-BELTS USED



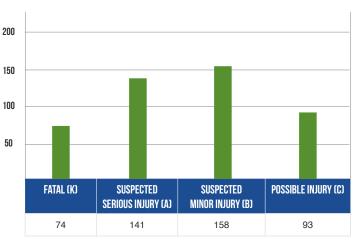
ALL CRASHES-BELTS NOT USED



HAD-BEEN DRINKING CRASHES-BELTS USED



HAD-BEEN DRINKING CRASHES-BELTS NOT USED



Note: "Belts Used" represents shoulder belts only used, lap belts only used, both lap and shoulder belts used, and restraint failure. "Belts Not Used" represents no belts available and no belts used.



INJURY SEVERITY & RESTRAINT USE BY OCCUPANT INJURY

ALL CRASHES-RESTRAINTS USED



SUSPECTED MINOR

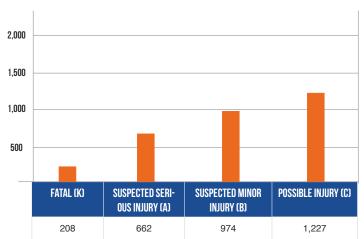
INJURY (B)

15,926

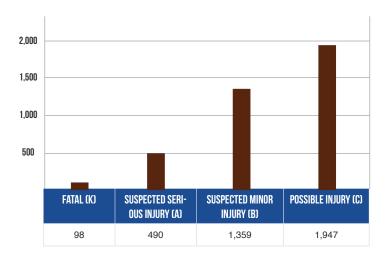
POSSIBLE INJURY (C)

46,256

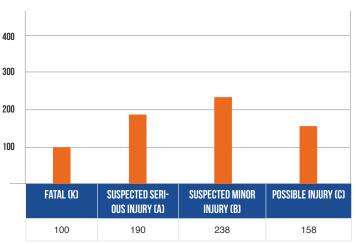
ALL CRASHES-RESTRAINTS NOT USED



HAD-BEEN DRINKING CRASHES-RESTRAINTS USED



HAD-BEEN DRINKING CRASHES-RESTRAINTS NOT USED



Note: "Restraints Used" represents shoulder belts only used, lap belts only used, both lap and shoulder belts used, child restraints used, and restraint failure. "Restraints Not Used" represents no belts available; no belts used; and child restraint not used, unavailable, or improper use.

Note: Occupants include all drivers plus all injured or killed persons in or on a motor vehicle.



60,000

45,000

30,000

15,000

FATAL (K)

362

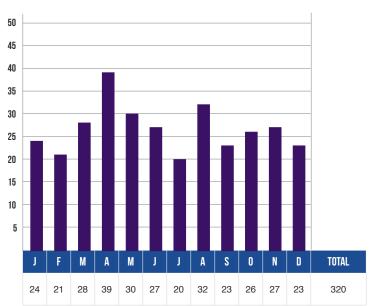
SUSPECTED SERI-

OUS INJURY (A)

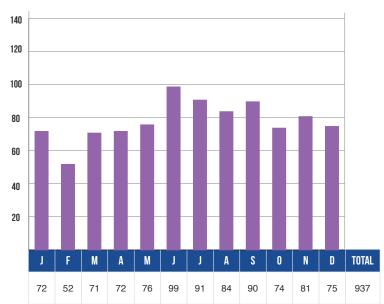
3,480

ALCOHOL INVOLVEMENT IN FATAL CRASHES

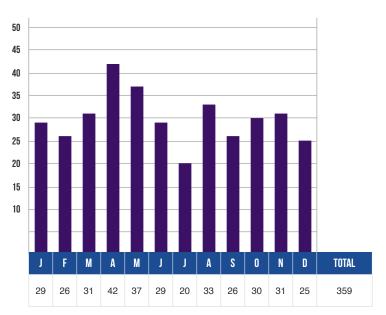




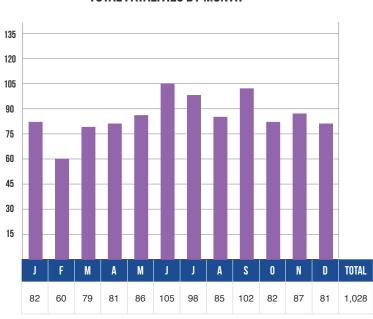
TOTAL FATAL CRASHES BY MONTH



ALCOHOL-INVOLVED FATALITIES BY MONTH



TOTAL FATALITIES BY MONTH



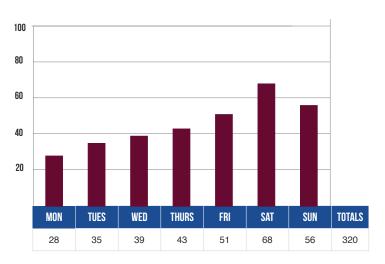
Had-been-drinking fatal crashes were highest in number during the month of April. The number of total fatal crashes (total of non-had-been-drinking and had-been-drinking fatal crashes) reached the highest level in June.

Note: An alcohol-involved fatality is any person killed in a had-been-drinking crash.

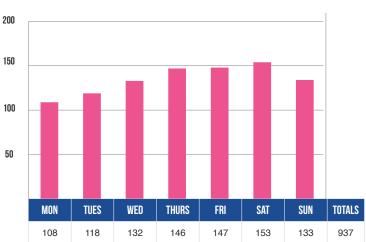


ALCOHOL INVOLVEMENT IN FATAL CRASHES (CONTINUED)

HAD-BEEN-DRINKING FATAL CRASHES BY DAY OF THE WEEK

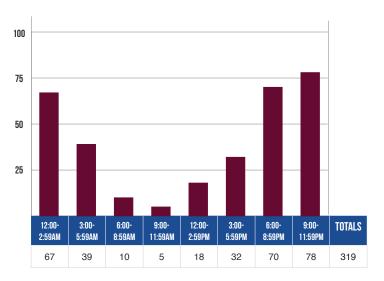


TOTAL FATAL CRASHES BY DAY OF THE WEEK

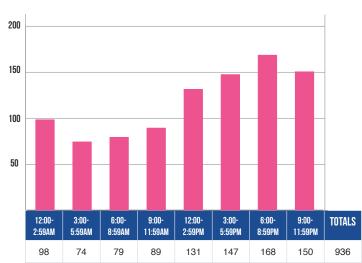


Saturday had the highest number of fatal crashes, and also the highest proportion (21.3%) of drinking-related fatal crashes in 2017.

HAD-BEEN-DRINKING FATAL CRASHES BY TIME OF DAY



TOTAL FATAL CRASHES BY TIME OF DAY



The 9:00 PM to midnight time period had the highest number of HBD fatal crashes (78). The 6:00 PM to 8:59 PM time period had the highest number of total fatal crashes (168).

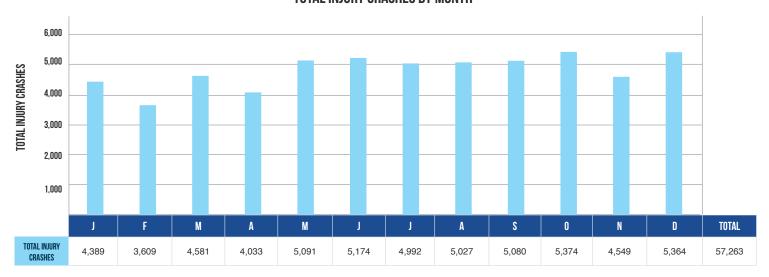
Note: these charts exclude crashes where time of day was unknown.



ALCOHOL INVOLVEMENT IN INJURY CRASHES



TOTAL INJURY CRASHES BY MONTH



Alcohol involvement in injury crashes is an important indicator of the alcohol-impaired driving problem. In 2017, the highest number of had-been-drinking injury crashes occurred in July with 390. The highest proportion of had-been-drinking injury crashes occurred in April with 8.3 percent of the injury crashes involving alcohol.

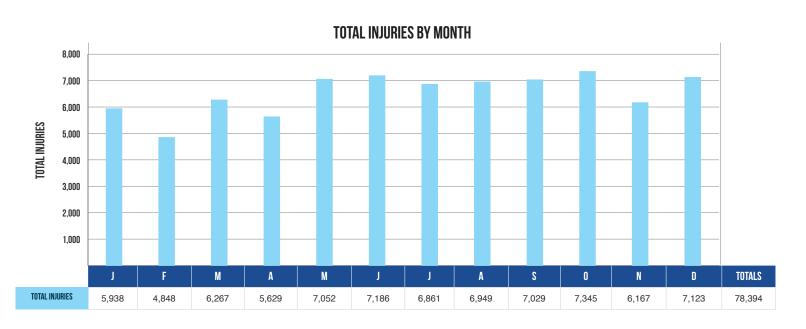
Note: An alcohol-involved fatality is any person killed in a had-been-drinking crash.



ALCOHOL INVOLVEMENT IN INJURY CRASHES (CONTINUED)

ALCOHOL-INVOLVED INJURIES BY MONTH

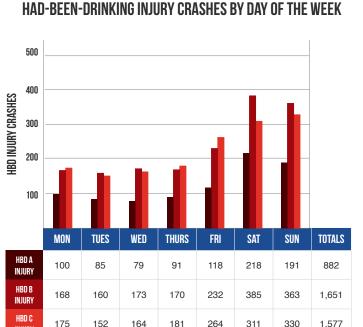




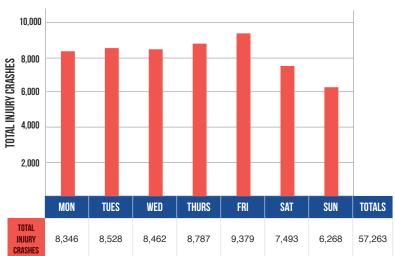
Note: An alcohol-involved injury is any person injured in a had-been-drinking crash.



ALCOHOL INVOLVEMENT IN INJURY CRASHES (CONTINUED)

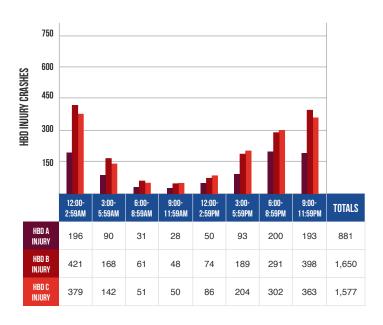


TOTAL INJURY CRASHES BY DAY OF THE WEEK

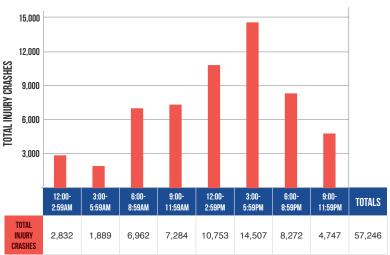


Had-been-drinking injury crashes follow the same basic trends as total crashes during the work week, but the weekend sees a dramatic increase in the proportion of had-been-drinking injury crashes to total injury crashes.

HAD-BEEN-DRINKING INJURY CRASHES BY TIME OF DAY



TOTAL INJURY CRASHES BY TIME OF DAY



Total injury crash frequencies peak in the hours between 3:00 PM and 5:59 PM, while had-been-drinking injury crash frequencies peak between midnight and 2:59 AM (a particularly hazardous travel period). These frequencies exclude 17 injury crashes (including 2 had-been-drinking injury crashes) where time of day was unknown.



MALE DRIVERS BY AGE AND INJURY SEVERITY IN CRASH

AGE OF DRIVER IN CRASH	MALE DRIVERS		FA	FATAL		INJURY			
	Number	% of Total	Number	% of Total	А	В	С	DAMAGE Only	
13 years and under	109	0.0	0	0.0	5	11	22	71	
14 years	54	0.0	0	0.0	4	11	9	30	
15 years	338	0.1	2	0.2	18	35	49	234	
16 years	4,076	1.5	7	0.7	65	275	500	3,229	
17 years	5,548	2.0	9	0.9	86	358	700	4,395	
18 years	7,124	2.6	15	1.5	132	462	892	5,623	
19 years	7,288	2.6	22	2.1	152	491	907	5,716	
20 years	7,253	2.6	21	2.0	143	420	930	5,739	
21 - 24 years	27,812	10.1	121	11.7	552	1,723	3,412	22,004	
25 - 34 years	56,432	20.4	220	21.4	1,078	3,251	7,025	44,858	
35 - 44 years	42,490	15.4	138	13.4	817	2,309	5,178	34,048	
45 - 54 years	44,683	16.2	165	16.0	808	2,355	5,400	35,955	
55 - 64 years	38,604	14.0	149	14.5	704	2,004	4,696	31,051	
65 - 69 years	12,377	4.5	49	4.8	209	673	1,533	9,913	
70 - 74 years	8,328	3.0	43	4.2	157	453	1,020	6,655	
75 - 79 years	5,102	1.8	20	1.9	85	318	684	3,995	
80 - 84 years	2,894	1.0	19	1.8	52	200	401	2,222	
85 - 89 years	1,577	0.6	17	1.7	38	112	189	1,221	
90 years and over	640	0.2	11	1.1	9	58	94	468	
Unknown	3,383	1.2	2	0.2	23	88	400	2,870	
Total	276,112	100.0	1,030	100.0	5,137	15,607	34,041	220,297	

The male driver age group 25 to 34 years experienced the highest number of fatal crashes as well as the highest number of injury crashes and property damage only crashes.

**Note: This table excludes 42,910 drivers of unknown gender.



MALE DRINKING DRIVERS BY AGE AND INJURY SEVERITY IN CRASH

AGE OF DRINKING DRIVER In Crash	MALE D	RIVERS	FA	TAL	INJURY			PROPERTY Damage
	Number	% of Total	Number	% of Total	А	В	С	ONLY
13 years and under	0	0.0	0	0.0	0	0	0	0
14 years	1	0.0	0	0.0	0	1	0	0
15 years	0	0.0	0	0.0	0	0	0	0
16 years	11	0.2	2	0.9	0	0	3	6
17 years	33	0.5	0	0.0	1	4	7	21
18 years	79	1.1	1	0.4	14	17	7	40
19 years	146	2.0	6	2.6	19	24	16	81
20 years	142	2.0	3	1.3	13	23	18	85
21 - 24 years	1,198	16.5	30	13.1	85	214	181	688
25 - 34 years	2,205	30.3	77	33.6	186	330	317	1,295
35 - 44 years	1,276	17.6	34	14.8	114	206	192	730
45 - 54 years	1,085	14.9	41	17.9	108	163	164	609
55 - 64 years	771	10.6	24	10.5	71	122	140	414
65 - 69 years	184	2.5	5	2.2	19	24	24	112
70 - 74 years	80	1.1	3	1.3	5	10	14	48
75 - 79 years	37	0.5	1	0.4	2	6	5	23
80 - 84 years	10	0.1	1	0.4	2	2	3	2
85 - 89 years	5	0.1	1	0.4	1	2	0	1
90 years and over	1	0.0	0	0.0	0	0	0	1
Unknown	2	0.0	0	0.0	0	0	1	1
Total	7,266	100.0	229	100.0	640	1,148	1,092	4,157

The male drinking driver age group 25 to 34 years experienced the highest number of fatal crashes as well as the highest number of injury crashes and property damage only crashes.

Note: This table excludes 6 unknown gender drinking drivers.



FEMALE DRIVERS BY AGE AND INJURY SEVERITY IN CRASH

AGE OF DRIVER IN CRASH	FEMALE	DRIVERS	FA	TAL		INJURY		PROPERTY Damage
	Number	% of Total	Number	% of Total	А	В	С	ONLY
13 years and under	39	0.0	0	0.0	3	5	5	26
14 years	57	0.0	0	0.0	1	5	10	41
15 years	253	0.1	0	0.0	3	15	43	192
16 years	3,896	1.8	9	2.0	56	248	523	3,060
17 years	5,084	2.3	5	1.1	49	317	717	3,996
18 years	5,980	2.7	9	2.0	77	382	892	4,620
19 years	6,185	2.8	6	1.3	88	374	935	4,782
20 years	6,163	2.8	16	3.6	87	352	928	4,780
21 - 24 years	23,887	10.8	53	11.9	286	1,263	3,524	18,761
25 - 34 years	46,851	21.2	106	23.8	621	2,557	6,890	36,677
35 - 44 years	35,390	16.0	55	12.3	491	1,829	5,251	27,764
45 - 54 years	34,154	15.4	66	14.8	454	1,746	5,019	26,869
55 - 64 years	28,435	12.8	50	11.2	358	1,466	4,030	22,531
65 - 69 years	9,107	4.1	24	5.4	134	486	1,353	7,110
70 - 74 years	6,241	2.8	15	3.4	84	374	907	4,861
75 - 79 years	3,798	1.7	9	2.0	68	253	540	2,928
80 - 84 years	2,291	1.0	13	2.9	56	156	328	1,738
85 - 89 years	1,193	0.5	8	1.8	29	97	143	916
90 years and over	375	0.2	2	0.4	6	25	60	282
Unknown	1,986	0.9	0	0.0	8	47	210	1,721
Total	221,365	100.0	446	100.0	2,959	11,997	32,308	173,655

The female driver age group 25 to 34 years experienced the highest number of fatal crashes as well as the highest number of injury crashes and property damage only crashes.

**Note: This table excludes 42,910 drivers of unknown gender.



FEMALE DRINKING DRIVERS BY AGE AND INJURY SEVERITY IN CRASH

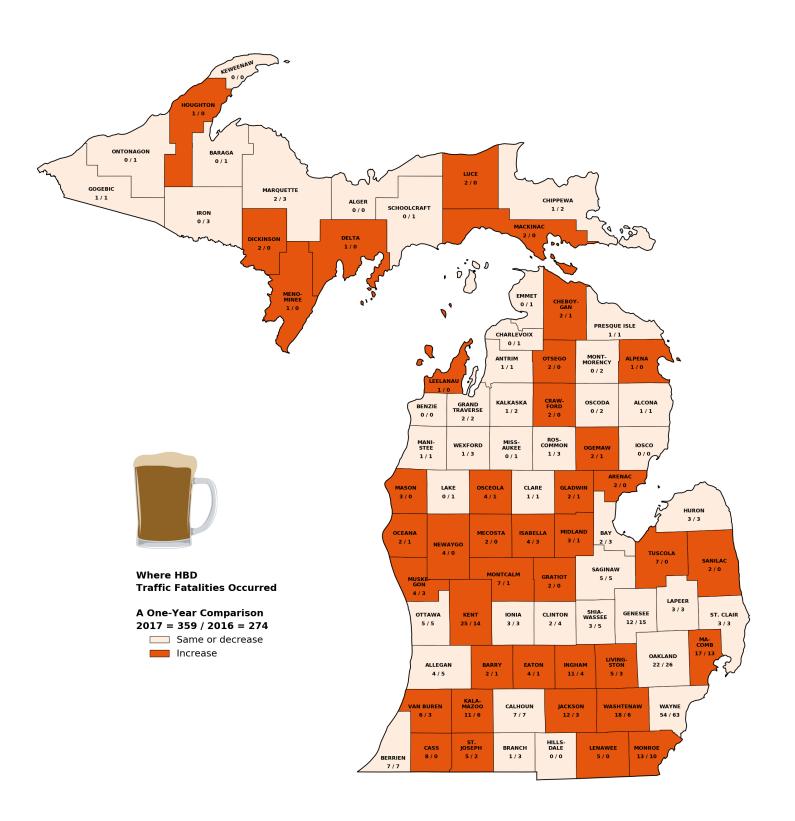
AGE OF DRINKING DRIVER In Crash	FEMALE	DRIVERS	FA	TAL		INJURY		PROPERTY Damage
	Number	% of Total	Number	% of Total	А	В	С	ONLY
13 years and under	0	0.0	0	0.0	0	0	0	0
14 years	0	0.0	0	0.0	0	0	0	0
15 years	3	0.1	0	0.0	0	1	0	2
16 years	5	0.2	0	0.0	1	0	1	3
17 years	18	0.6	0	0.0	0	3	2	13
18 years	32	1.1	0	0.0	2	6	3	21
19 years	44	1.6	2	3.1	3	10	7	22
20 years	58	2.1	3	4.7	4	10	11	30
21 - 24 years	464	16.5	13	20.3	25	76	73	277
25 - 34 years	915	32.5	27	42.2	55	153	146	534
35 - 44 years	546	19.4	13	20.3	43	79	86	325
45 - 54 years	429	15.3	5	7.8	33	44	67	280
55 - 64 years	215	7.6	0	0.0	14	34	35	132
65 - 69 years	60	2.1	0	0.0	7	7	8	38
70 - 74 years	16	0.6	0	0.0	4	3	2	7
75 - 79 years	6	0.2	0	0.0	1	1	1	3
80 - 84 years	1	0.0	0	0.0	0	0	1	0
85 - 89 years	1	0.0	1	1.6	0	0	0	0
90 years and over	0	0.0	0	0.0	0	0	0	0
Unknown	0	0.0	0	0.0	0	0	0	0
Total	2,813	100.0	64	100.0	192	427	443	1,687

The female drinking driver age group 25 to 34 years experienced the highest number of fatal crashes as well as the highest number of injury crashes and property damage only crashes.

**Note: This table excludes 6 unknown gender drinking drivers.



TRAFFIC FATALITIES WITH DRINKING INVOLVEMENT BY COUNTY



COUNTY RANKING BY HBD FATAL CRASH RATE

