







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

VEHICLE	SEVERITY	TOTAL	CRASHES INVOLVING DRINKING, NOT DRUGS		CRASHES INVOLVING DRUGS, NOT DRINKING		CRASHES INVOLVING DRINKING 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
 BICYCLISTS	Total*	1,235	39	30	6	2	5	2	50	34
	Killed	38	4	3	4	1	1	0	9	4**
	Injured	933	34	26	2	1	4	2	40	29
 DRIVERS	Total*	404,286	11,486	7,638	2,745	1,700	1,984	1,305	16,215	10,643
	Killed	692	116	86	88	58	94	72	298	216**
	Injured	44,301	3,139	2,455	867	650	708	551	4,714	3,656
 MOTORCYCLISTS	Total*	3,375	241	201	49	32	54	37	344	270
	Killed	152	26	17	23	15	21	14	70	46**
	Injured	2,429	178	157	23	14	28	18	229	189
 ORV/ATV RIDERS	Total*	620	109	107	2	2	7	7	118	116
	Killed	15	5	4	0	0	1	1	6	5**
	Injured	381	70	69	2	2	6	6	78	77
 PEDESTRIANS	Total*	1,784	160	117	30	9	46	23	236	149
	Killed	175	29	19	16	1	20	10	65	30**
	Injured	1,343	121	92	13	7	25	13	159	112
 SNOWMOBILERS	Total*	101	13	12	0	0	1	1	14	13
	Killed	2	2	2	0	0	0	0	2	2**
	Injured	56	9	9	0	0	1	1	10	10

\*Total does include property damage only crashes

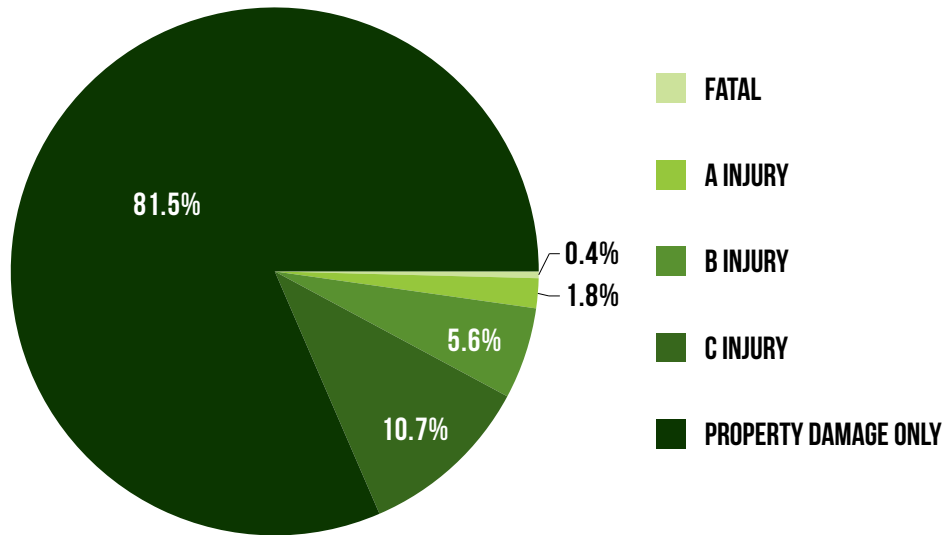
\*\*There were four bicyclists, 216 drivers, 46 motorcyclists, five ORV/ATV riders, 30 pedestrians, and two snowmobilers who were killed and coded as drinking and/or using drugs by the police officer.

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

AGE OF DRIVER IN CRASH	ALL CRASHES				FATAL				INJURY			
	Drinking Only	Drugs Only	Both	Total	Drinking Only	Drugs Only	Both	Total	Drinking Only	Drugs Only	Both	Total
13 years and under	0	0	0	0	0	0	0	0	0	0	0	0
14 years	2	1	0	3	0	1	0	1	1	0	0	1
15 years	2	4	2	8	0	0	0	0	1	0	1	2
16 years	17	16	6	39	0	2	0	2	8	11	3	22
17 years	34	25	6	65	1	3	2	6	13	13	1	27
18 years	90	41	16	147	1	2	3	6	42	12	6	60
19 years	119	54	32	205	1	2	4	7	55	21	16	92
20 years	171	62	37	270	6	7	2	15	67	30	19	116
21 - 24 years	1,051	221	181	1,453	17	16	14	47	417	97	87	601
25 - 34 years	2,438	575	457	3,470	58	41	37	136	974	241	214	1,429
35 - 44 years	1,562	364	280	2,206	26	30	29	85	604	152	127	883
45 - 54 years	1,067	189	145	1,401	27	13	13	53	396	76	62	534
55 - 64 years	771	120	107	998	14	9	7	30	315	54	53	422
65 - 69 years	177	35	19	231	6	3	4	13	71	16	9	96
70 - 74 years	95	6	9	110	1	0	1	2	39	3	5	47
75 - 79 years	35	2	4	41	3	0	0	3	12	2	1	15
80 - 84 years	10	0	1	11	3	0	0	3	2	0	1	3
85 - 89 years	5	0	0	5	0	0	0	0	3	0	0	3
90 years and over	3	0	1	4	0	0	0	0	0	0	1	1
Unknown	2	0	2	4	0	0	0	0	0	0	0	0
<b>Total</b>	<b>7,651</b>	<b>1,715</b>	<b>1,305</b>	<b>10,671</b>	<b>164</b>	<b>129</b>	<b>116</b>	<b>409</b>	<b>3,020</b>	<b>728</b>	<b>606</b>	<b>4,354</b>

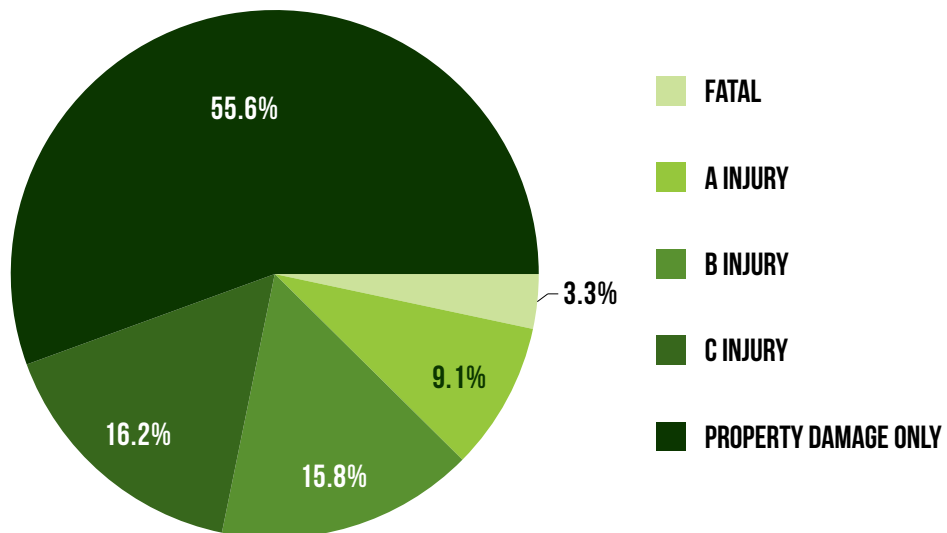
The driver age group 25 to 34 years represents the highest number of drinking and/or drug use in total crashes, injury crashes, and fatal crashes.

## ALL CRASHES BY INJURY SEVERITY



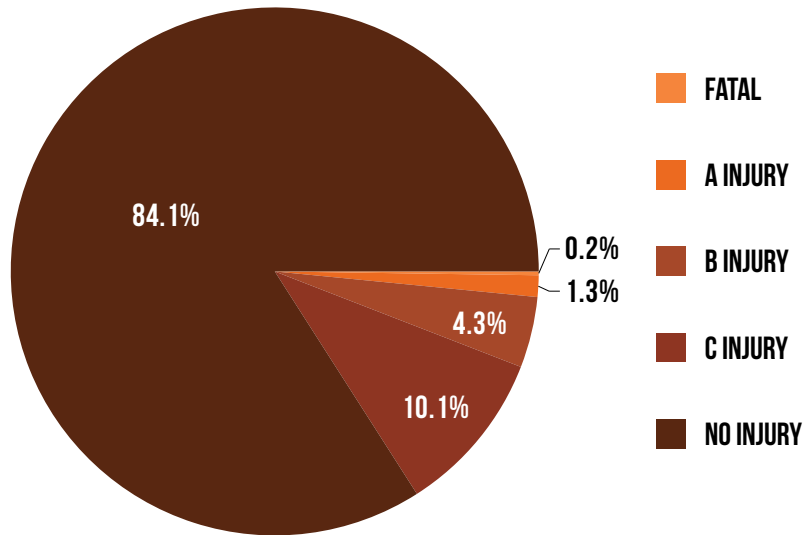
The majority of crashes do not involve injury (81.5%). Possible (C) injury crashes represent about 58% of those that do involve injury.

## HAD-BEEN-DRINKING CRASHES BY INJURY SEVERITY



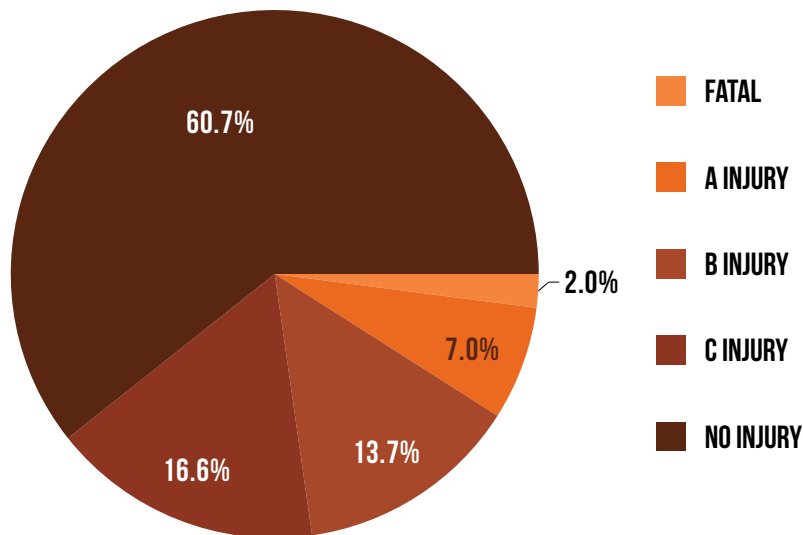
The problem of the drinking driver, pedestrian, and/or cyclist is seen by comparing the two charts on this page. For all had-been-drinking crashes, injury levels are greater, and a fatal crash is about eight times more likely when one of the crash-involved operators is reported as had-been-drinking (HBD).

## DEATH & INJURY FOR CRASH INVOLVED OCCUPANTS



The majority of occupants involved in crashes are not injured (84.1%). About 63% percent of those who are injured receive only possible (C) injuries.

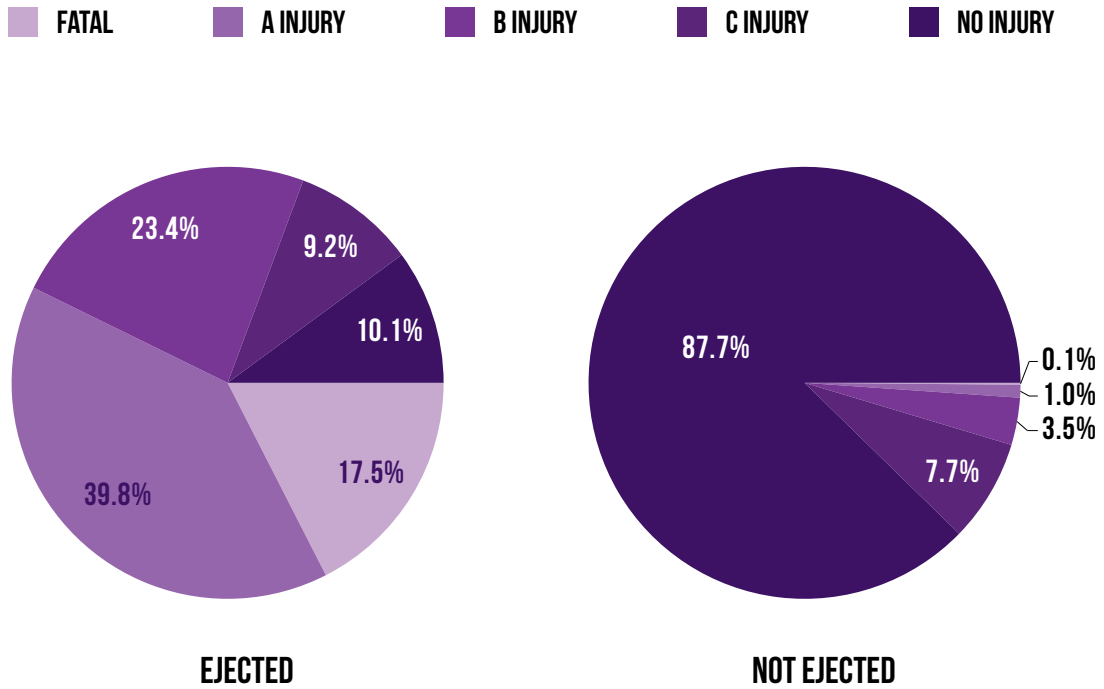
## OCCUPANTS IN HAD-BEEN-DRINKING CRASHES



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

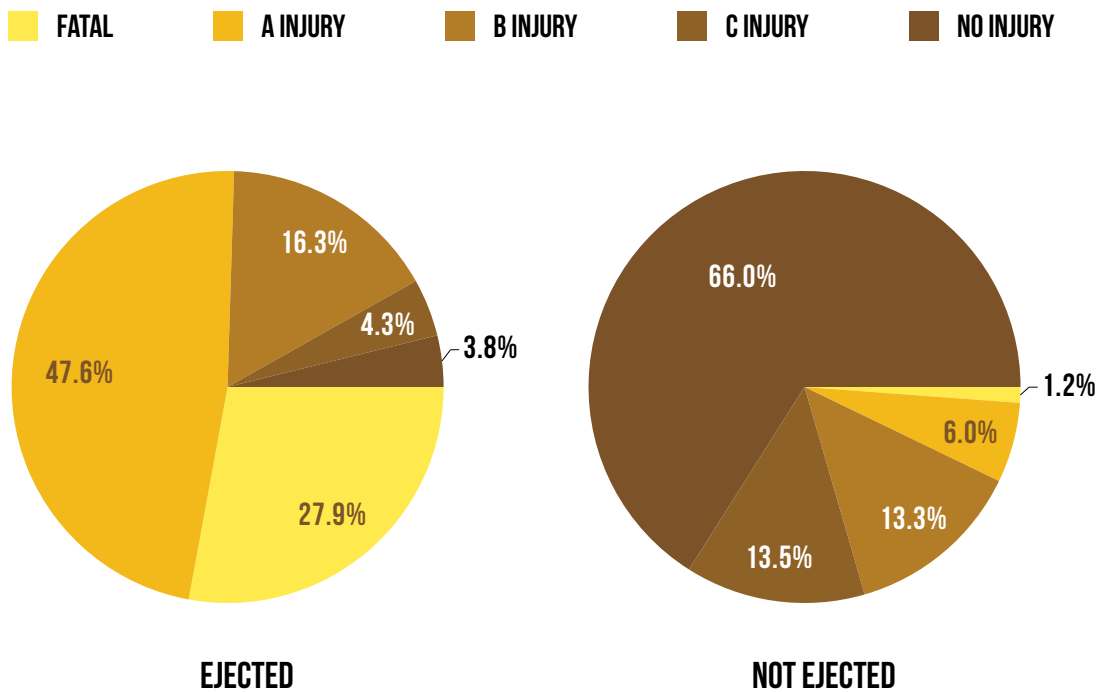
*Note: Occupants include all drivers plus all injured or killed persons in or on a motor vehicle.*

## ALL DRIVERS INJURY SEVERITY - EJECTED VS. NOT EJECTED



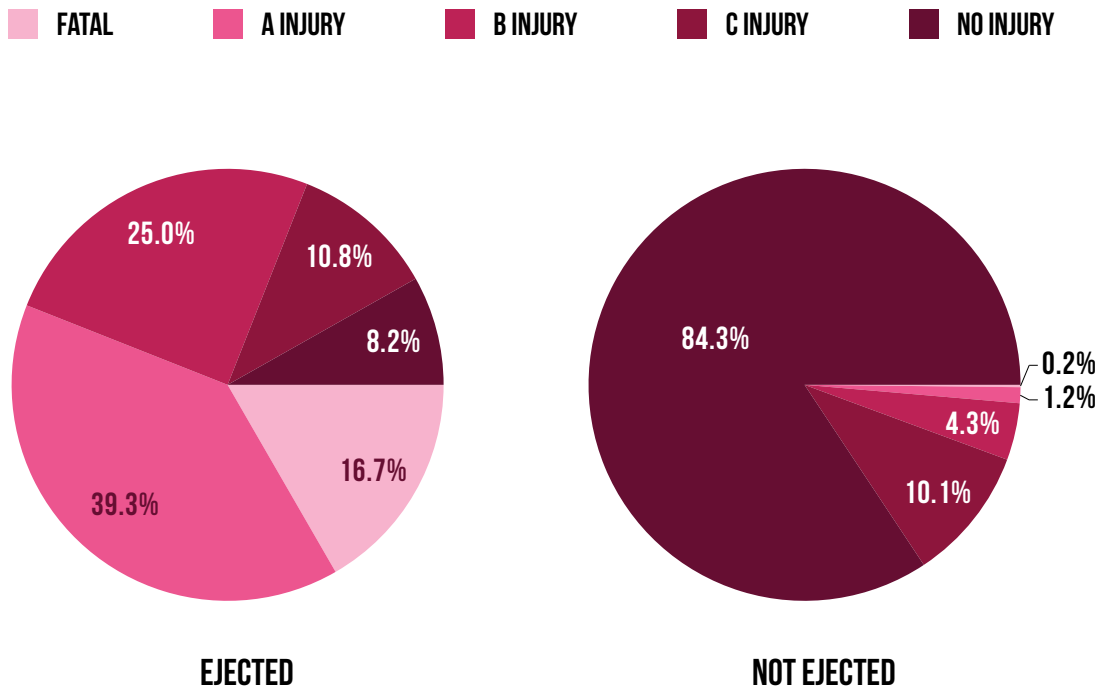
As shown by the two charts above, death and injury are much more likely when drivers are ejected from vehicles.

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



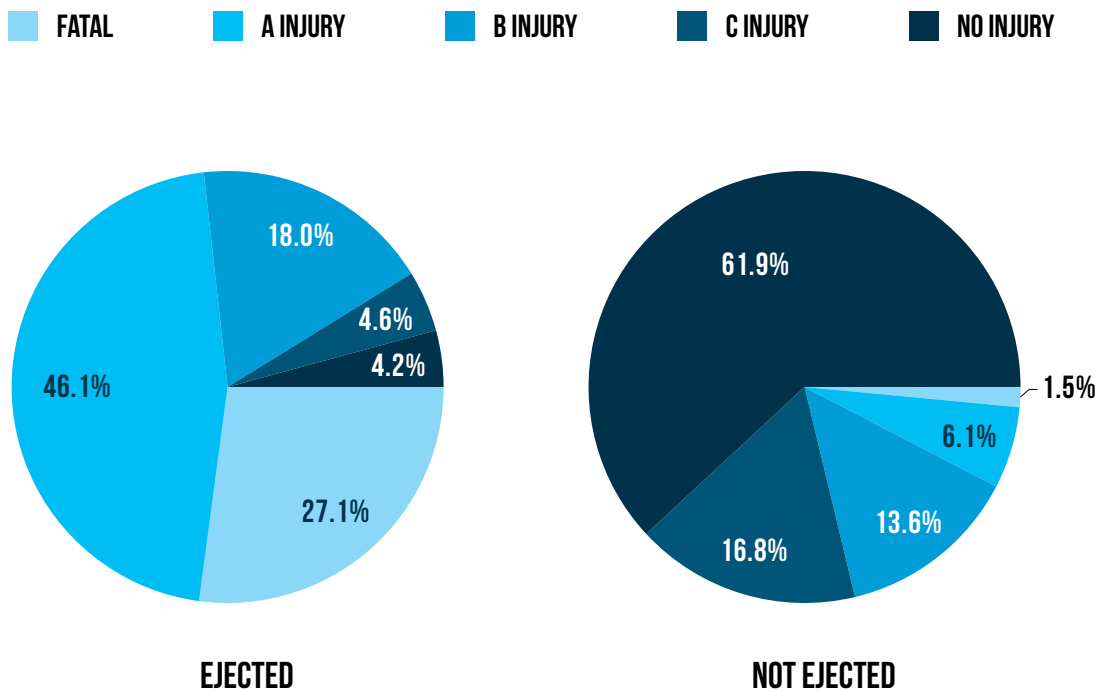
When compared to the charts above, the had-been-drinking charts demonstrate that injury severity is much worse for drivers reported to be drinking in both ejected and non-ejected events.

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



As shown by 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

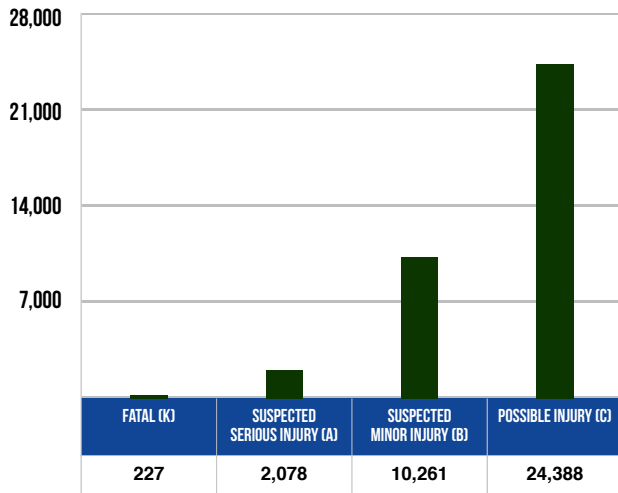


When compared to the charts above, the charts of occupants of had-been-drinking crashes demonstrate that injury severity is much worse for occupants in a crash where drinking is reported in both ejected and non-ejected events.

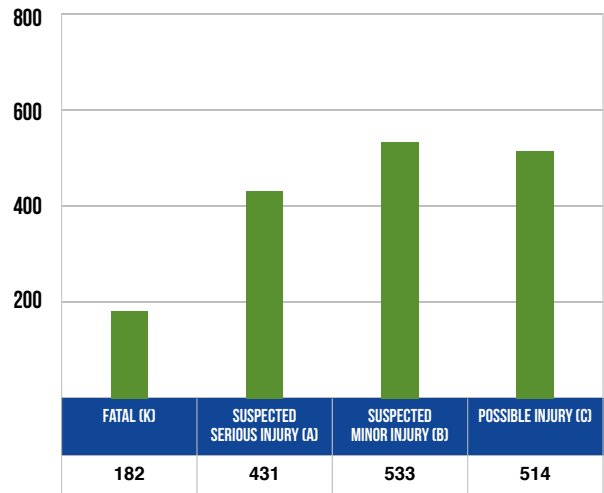
*Note: Occupants include all drivers plus all injured or killed persons in or on a motor vehicle.*

# INJURY SEVERITY & BELT USE BY DRIVER INJURY

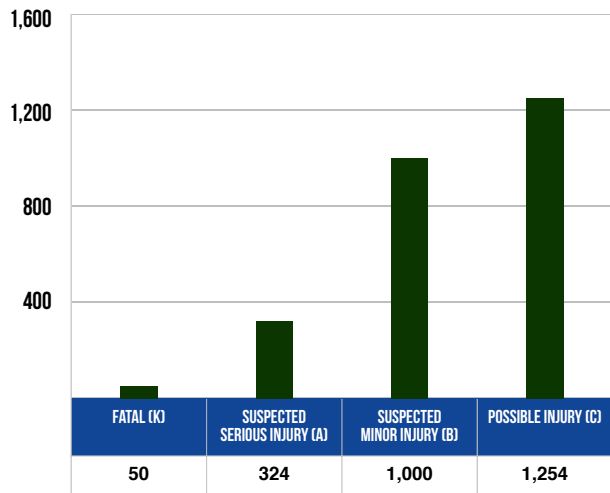
### ALL CRASHES-BELTS USED



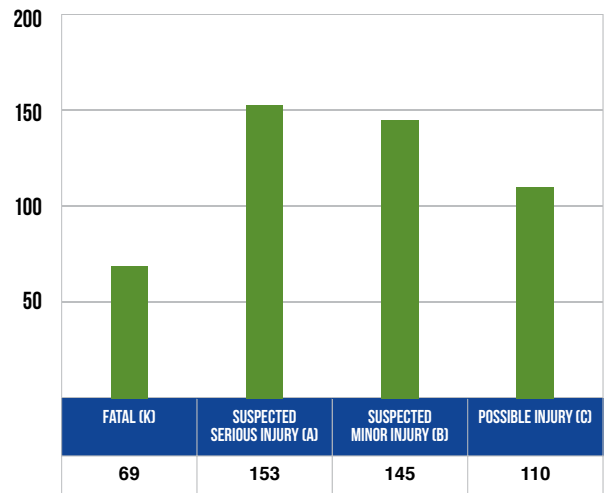
### ALL CRASHES-BELTS NOT USED



### HAD-BEEN DRINKING CRASHES-BELTS USED



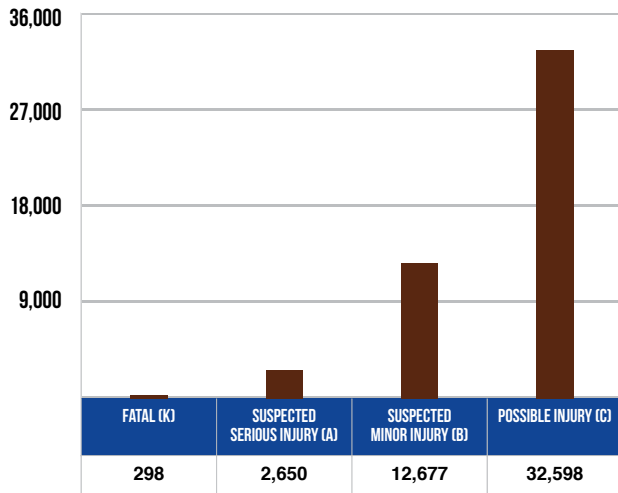
### HAD-BEEN DRINKING CRASHES-BELTS NOT USED



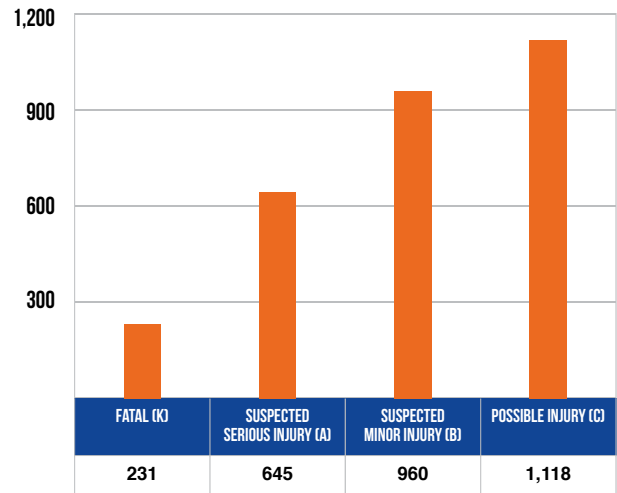
Note: "Belts Used" represents shoulder belts only used, lap belts only used, both lap and shoulder belts used, and restraint failure. "Belts Not Used" represents no belts available and no belts used.

# INJURY SEVERITY & RESTRAINT USE BY OCCUPANT INJURY

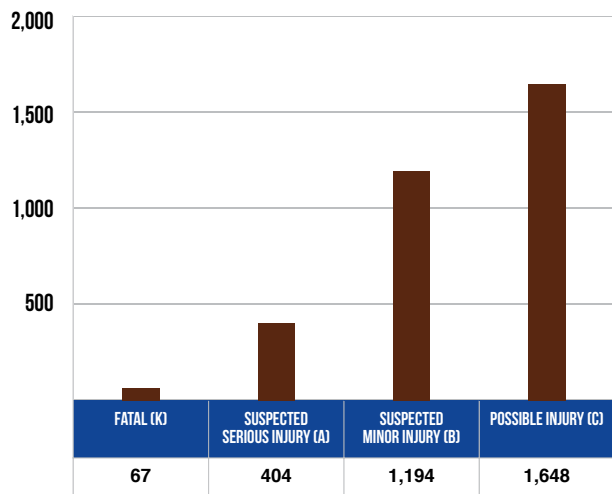
**ALL CRASHES - RESTRAINTS USED**



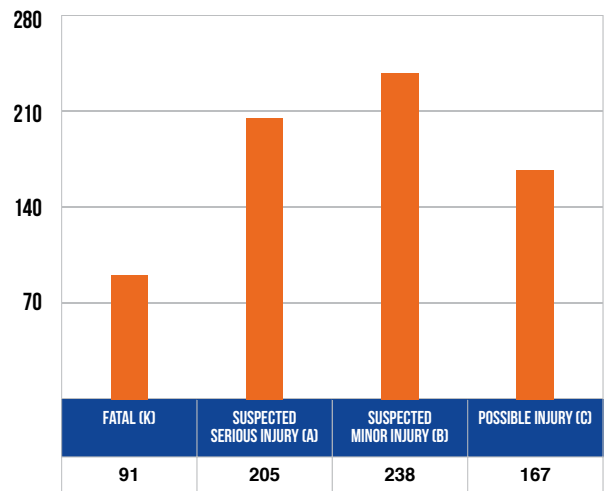
**ALL CRASHES - RESTRAINTS NOT USED**



**HAD-BEEN-DRINKING CRASHES - RESTRAINTS USED**



**HAD-BEEN-DRINKING CRASHES - RESTRAINTS NOT USED**



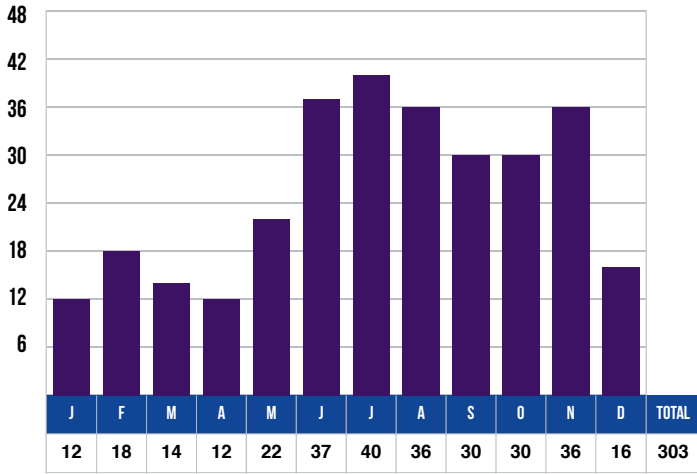
Note: "Restraints Used" represents shoulder belts only used, lap belts only used, both lap and shoulder belts used, child restraints used, and restraint failure. "Restraints Not Used" represents no belts available; no belts used; and child restraint not used, unavailable, or improper use.

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

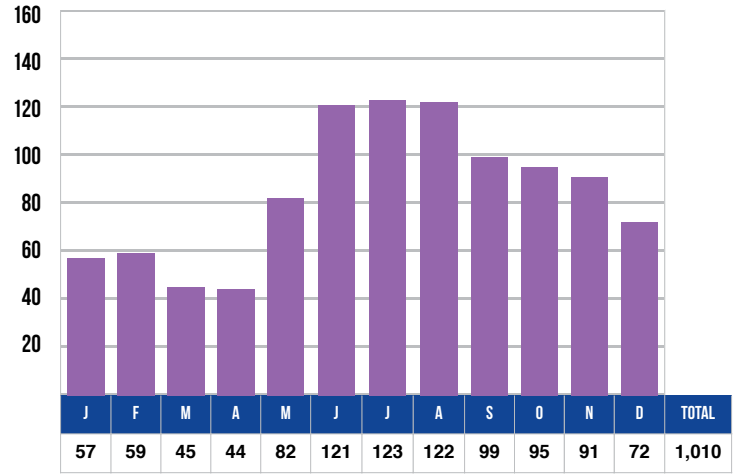


# ALCOHOL INVOLVMENT IN FATAL CRASHES

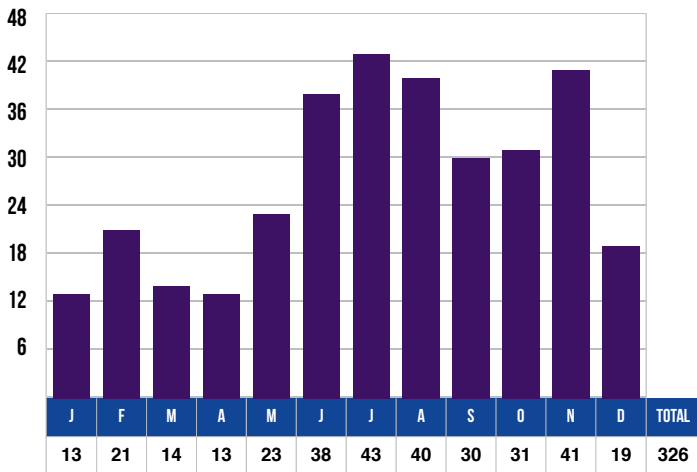
**HAD-BEEN-DRINKING FATAL CRASHES BY MONTH**



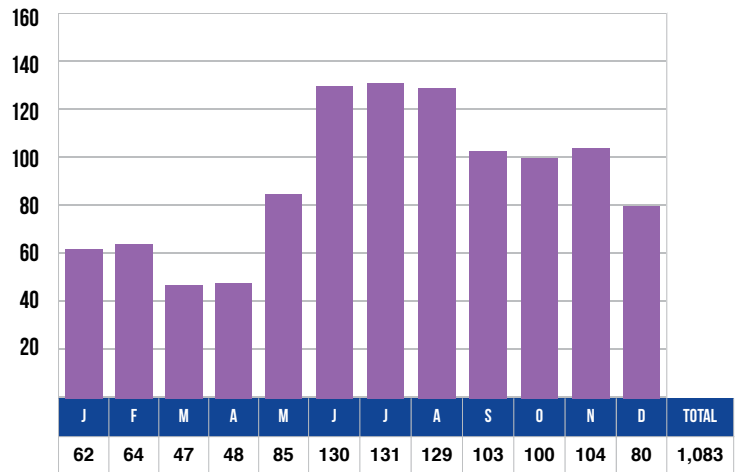
**TOTAL FATAL CRASHES BY MONTH**



**ALCOHOL-INVOLVED FATALITIES BY MONTH**



**TOTAL FATALITIES BY MONTH**

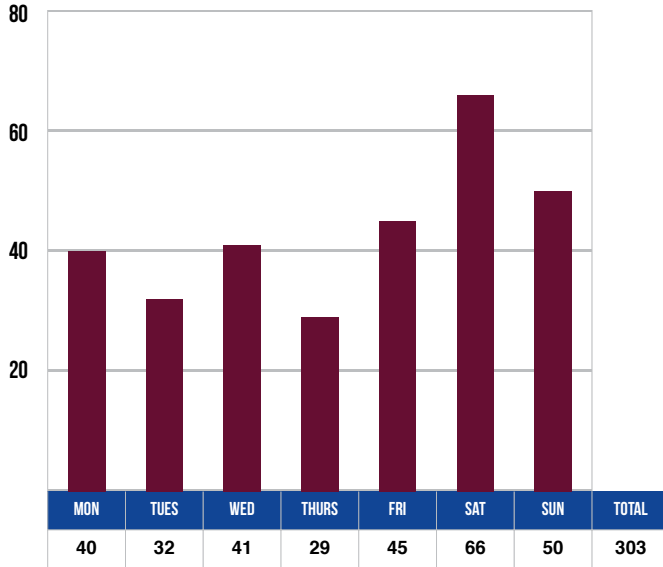


Had-been-drinking fatal crashes were highest in number during the month of July. The number of total fatal crashes (total of non-had-been-drinking and had-been-drinking fatal crashes) reached the highest level in July.

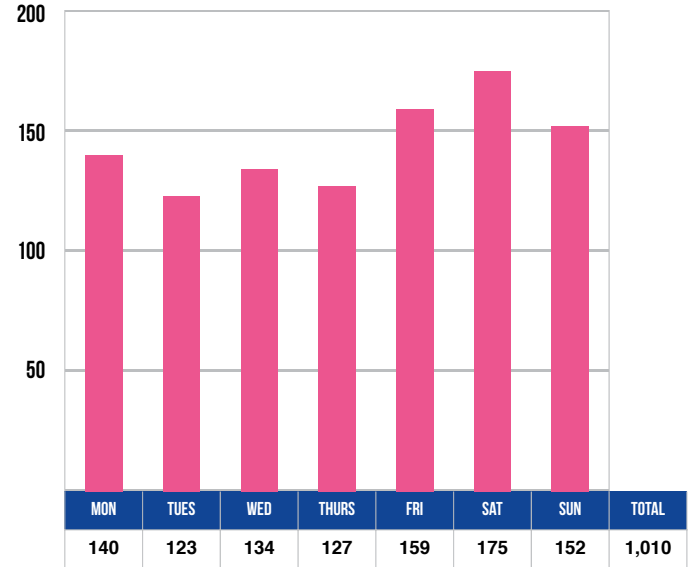
*Note: An alcohol-involved fatality is any person killed in a had-been-drinking crash.*

## ALCOHOL INVOLVMENT IN FATAL CRASHES (CONTINUED)

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

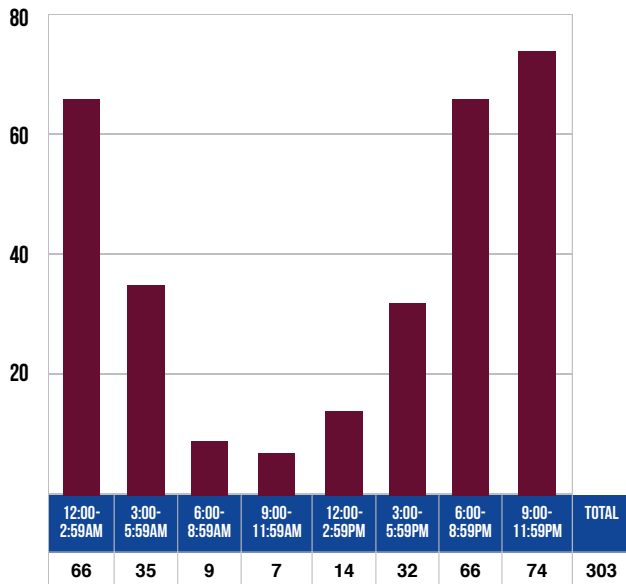


**TOTAL FATAL CRASHES BY DAY OF THE WEEK**

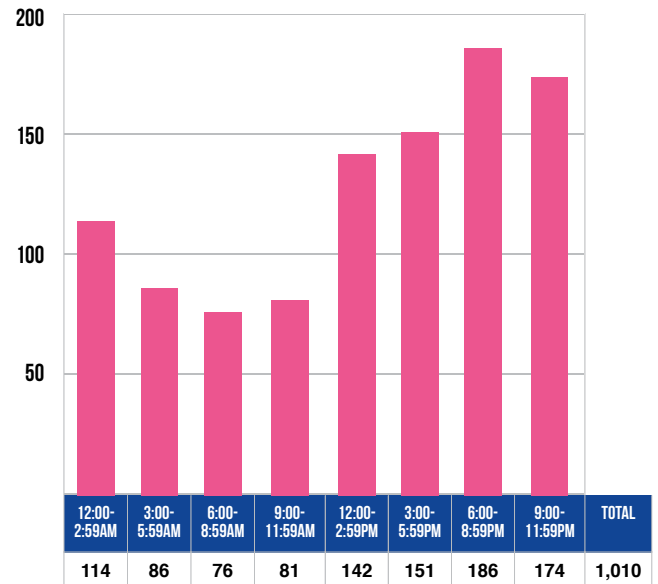


Saturday had the highest number of HBD fatal crashes (66) and also the highest proportion (37.7%) of drinking-related fatal crashes in 2020.

**HAD-BEEN-DRINKING FATAL CRASHES BY TIME OF DAY**



**TOTAL FATAL CRASHES BY TIME OF DAY**

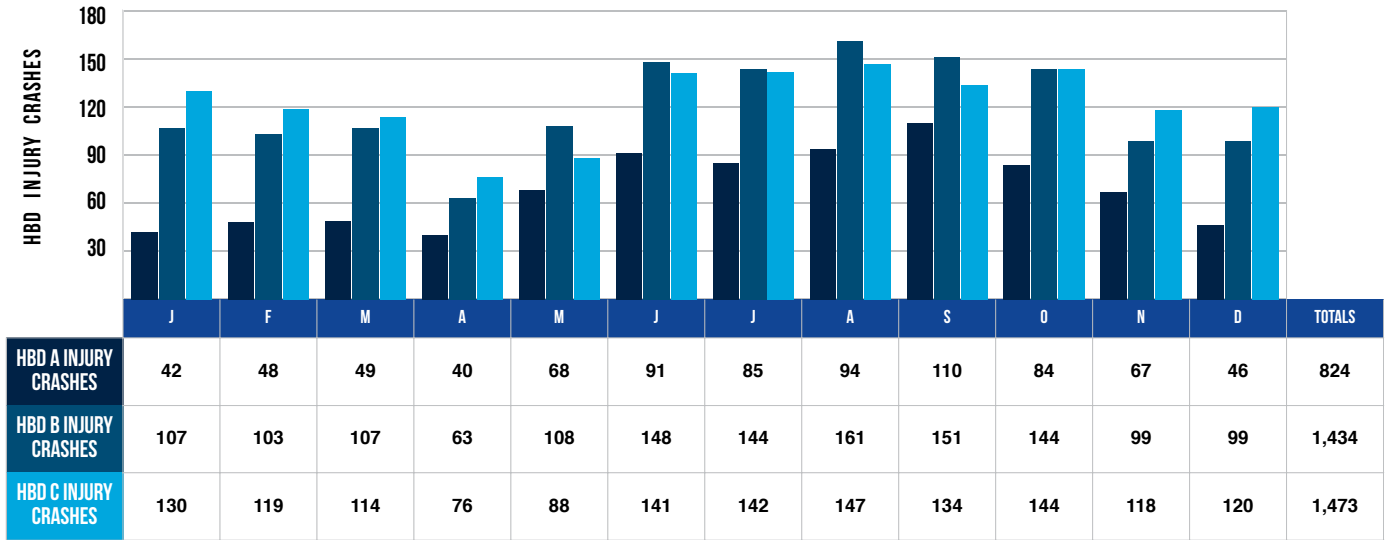


The 9:00 PM to midnight time period had the highest number of HBD fatal crashes (74), while the midnight to 3:00 AM time period had the greatest proportion (57.9%) of drinking-related fatal crashes in 2020.

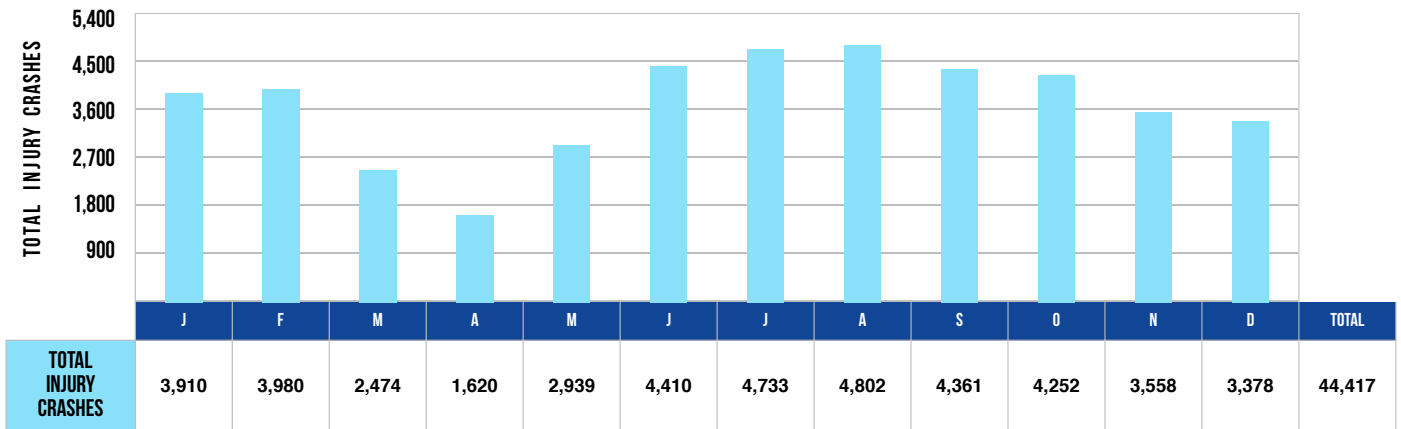
*Note: These charts exclude crashes where time of day was unknown.*

# ALCOHOL INVOLVEMENT IN INJURY CRASHES

## HAD-BEEN-DRINKING INJURY CRASHES BY MONTH



## TOTAL INJURY CRASHES BY MONTH

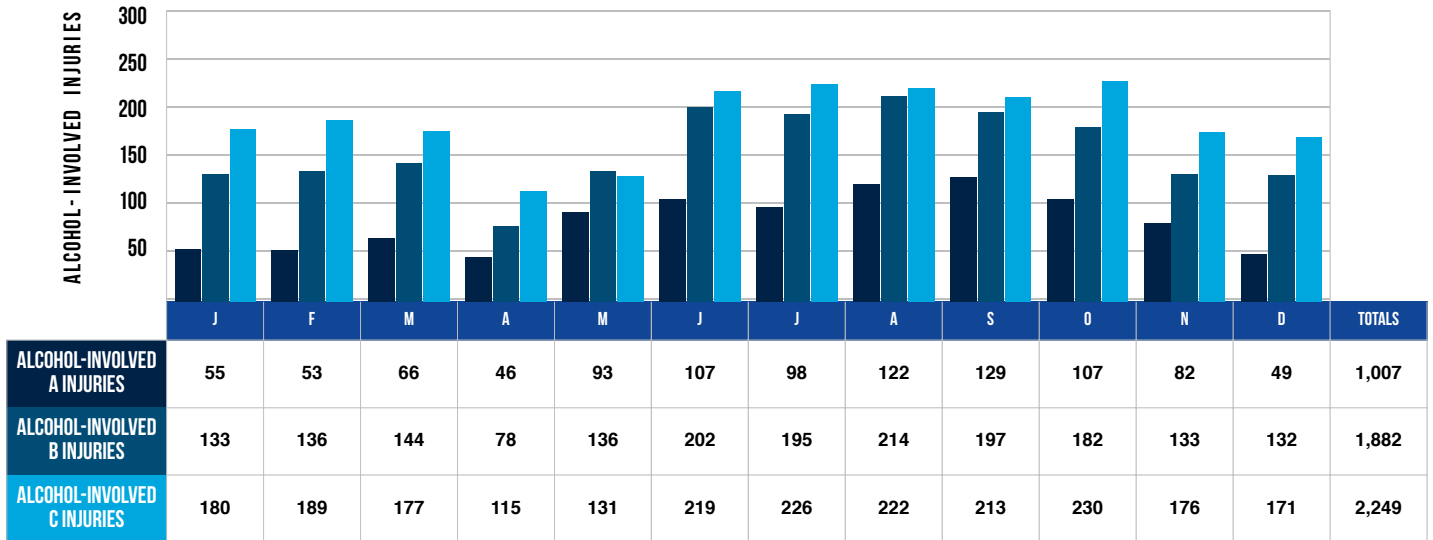


Alcohol involvement in injury crashes is an important indicator of the alcohol-impaired driving problem. In 2020, the highest number of had-been-drinking injury crashes occurred in August with 402. The highest proportion of had-been-drinking injury crashes occurred in April with 11.0 percent of the injury crashes involving alcohol.

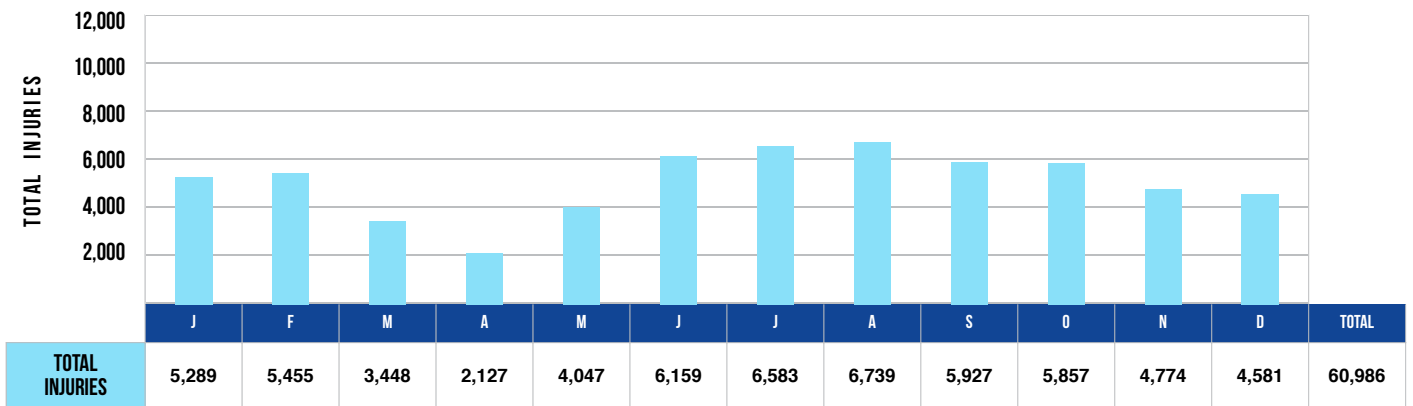
*Note: An alcohol-involved injury is any person injured in a had-been-drinking crash.*

# ALCOHOL INVOLVEMENT IN INJURY CRASHES (CONTINUED)

## ALCOHOL-INVOLVED INJURIES BY MONTH



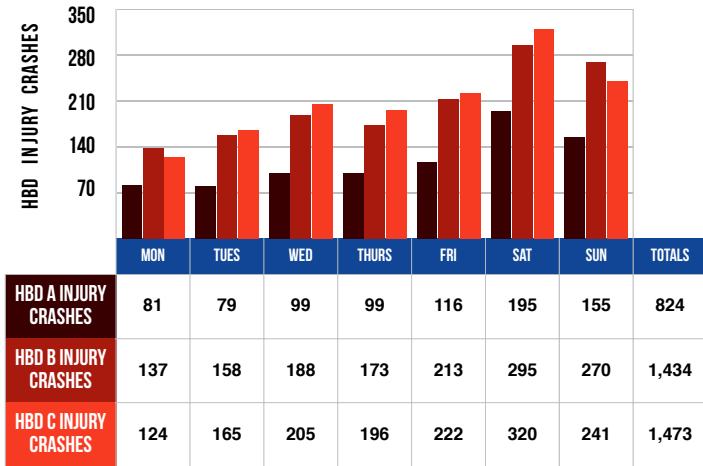
## TOTAL INJURIES BY MONTH



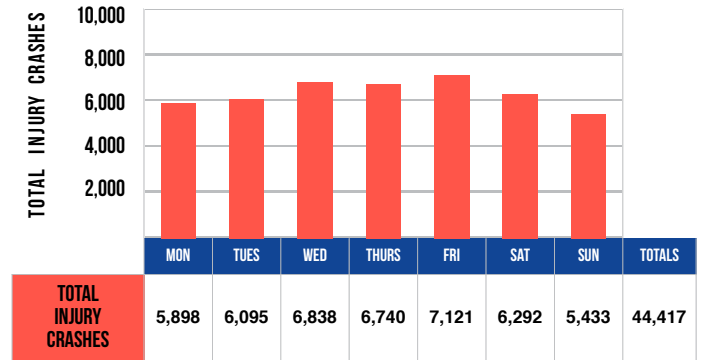
Note: An alcohol-involved injury is any person injured in a had-been-drinking crash.

# ALCOHOL INVOLVEMENT IN INJURY CRASHES (CONTINUED)

### HAD-BEEN-DRINKING INJURY CRASHES BY DAY OF THE WEEK

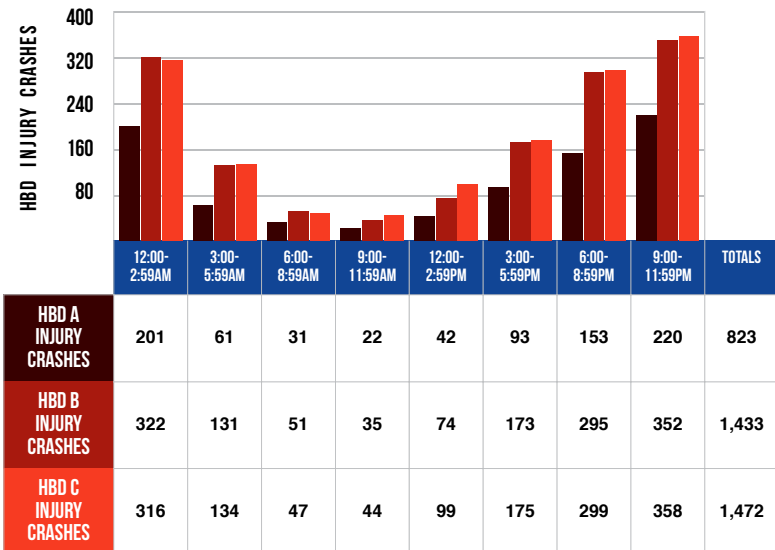


### TOTAL INJURY CRASHES BY DAY OF THE WEEK

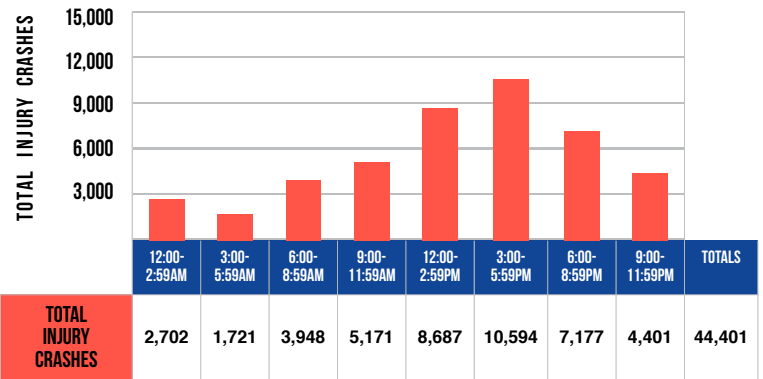


Had-been-drinking injury crashes follow the same basic trends as total crashes during the work week, but the weekend sees a dramatic increase in the proportion of had-been-drinking injury crashes to total injury crashes.

### 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 9:00 PM and 11:59 PM (a particularly hazardous travel period). These frequencies exclude 16 injury crashes (including three 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		FATAL		INJURY			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
13 years and under	68	0.0	1	0.1	12	23	16	16
14 years	68	0.0	1	0.1	9	20	7	31
15 years	307	0.1	0	0.0	20	43	33	211
16 years	2,618	1.2	5	0.5	56	199	258	2,100
17 years	3,900	1.9	12	1.1	73	252	486	3,077
18 years	5,086	2.4	15	1.4	113	373	595	3,990
19 years	5,656	2.7	19	1.7	118	376	681	4,462
20 years	5,380	2.6	26	2.4	128	373	692	4,161
21 - 24 years	20,722	9.9	104	9.5	464	1,430	2,556	16,168
25 - 34 years	45,062	21.5	258	23.6	1,105	3,048	5,384	35,267
35 - 44 years	33,467	16.0	171	15.7	763	2,074	4,006	26,453
45 - 54 years	31,775	15.1	159	14.6	641	1,873	3,541	25,561
55 - 64 years	29,264	13.9	149	13.6	593	1,700	3,335	23,487
65 - 69 years	9,396	4.5	55	5.0	179	571	1,089	7,502
70 - 74 years	6,754	3.2	37	3.4	145	440	824	5,308
75 - 79 years	4,198	2.0	38	3.5	83	308	505	3,264
80 - 84 years	2,161	1.0	17	1.6	55	156	270	1,663
85 - 89 years	1,034	0.5	12	1.1	33	93	140	756
90 years and over	447	0.2	8	0.7	6	31	60	342
Unknown	2,453	1.2	5	0.5	30	89	253	2,076
<b>TOTAL</b>	<b>209,816**</b>	<b>100.0</b>	<b>1,092</b>	<b>100.0</b>	<b>4,626</b>	<b>13,472</b>	<b>24,731</b>	<b>165,895</b>

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 40,370 drivers of unknown gender.*

## MALE DRINKING DRIVERS BY AGE AND INJURY SEVERITY IN CRASH

AGE OF DRINKING DRIVER IN CRASH	MALE DRIVERS		FATAL		INJURY			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
13 years and under	0	0.0	0	0.0	0	0	0	0
14 years	2	0.0	0	0.0	0	0	1	1
15 years	4	0.1	0	0.0	0	2	0	2
16 years	17	0.3	0	0.0	2	3	2	10
17 years	28	0.4	3	1.4	1	2	7	15
18 years	82	1.3	3	1.4	5	18	15	41
19 years	98	1.5	2	0.9	16	18	12	50
20 years	143	2.2	6	2.7	16	30	13	78
21 - 24 years	830	12.9	19	8.6	67	136	137	471
25 - 34 years	2,066	32.1	73	33.2	201	333	310	1,149
35 - 44 years	1,292	20.1	46	20.9	130	190	206	720
45 - 54 years	891	13.8	32	14.5	73	152	120	514
55 - 64 years	683	10.6	19	8.6	77	99	113	375
65 - 69 years	166	2.6	9	4.1	13	28	31	85
70 - 74 years	85	1.3	2	0.9	8	19	11	45
75 - 79 years	30	0.5	3	1.4	1	3	7	16
80 - 84 years	10	0.2	3	1.4	0	1	1	5
85 - 89 years	3	0.0	0	0.0	0	1	1	1
90 years and over	4	0.1	0	0.0	0	0	1	3
Unknown	2	0.0	0	0.0	0	0	0	2
<b>TOTAL</b>	<b>6,436**</b>	<b>100.0</b>	<b>220</b>	<b>100.0</b>	<b>610</b>	<b>1,035</b>	<b>988</b>	<b>3,583</b>

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

*\*\*Note: This table excludes two unknown gender drinking drivers.*

## FEMALE DRIVERS BY AGE AND INJURY SEVERITY IN CRASH

AGE OF DRIVER IN CRASH	FEMALE DRIVERS		FATAL		INJURY			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
13 years and under	28	0.0	0	0.0	1	3	6	18
14 years	34	0.0	0	0.0	6	6	8	14
15 years	259	0.2	1	0.2	7	29	32	190
16 years	2,423	1.6	4	0.9	32	158	293	1,936
17 years	3,218	2.1	10	2.3	35	212	441	2,520
18 years	3,982	2.6	7	1.6	47	278	593	3,057
19 years	4,459	2.9	18	4.1	70	300	649	3,422
20 years	4,390	2.8	9	2.1	57	278	612	3,434
21 - 24 years	16,711	10.8	41	9.4	265	1,028	2,402	12,975
25 - 34 years	34,202	22.2	113	25.9	533	2,123	4,913	26,520
35 - 44 years	24,931	16.2	81	18.5	357	1,528	3,318	19,647
45 - 54 years	22,095	14.3	51	11.7	313	1,159	2,946	17,626
55 - 64 years	19,588	12.7	47	10.8	264	1,035	2,611	15,631
65 - 69 years	6,398	4.2	13	3.0	86	356	872	5,071
70 - 74 years	4,486	2.9	9	2.1	65	256	598	3,558
75 - 79 years	2,899	1.9	12	2.7	52	199	367	2,269
80 - 84 years	1,652	1.1	8	1.8	40	137	219	1,248
85 - 89 years	741	0.5	11	2.5	15	65	95	555
90 years and over	249	0.2	2	0.5	7	25	26	189
Unknown	1,355	0.9	0	0.0	9	28	142	1,176
<b>TOTAL</b>	<b>154,100**</b>	<b>100.0</b>	<b>437</b>	<b>100.0</b>	<b>2,261</b>	<b>9,203</b>	<b>21,143</b>	<b>121,056</b>

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 40,370 drivers of unknown gender.*



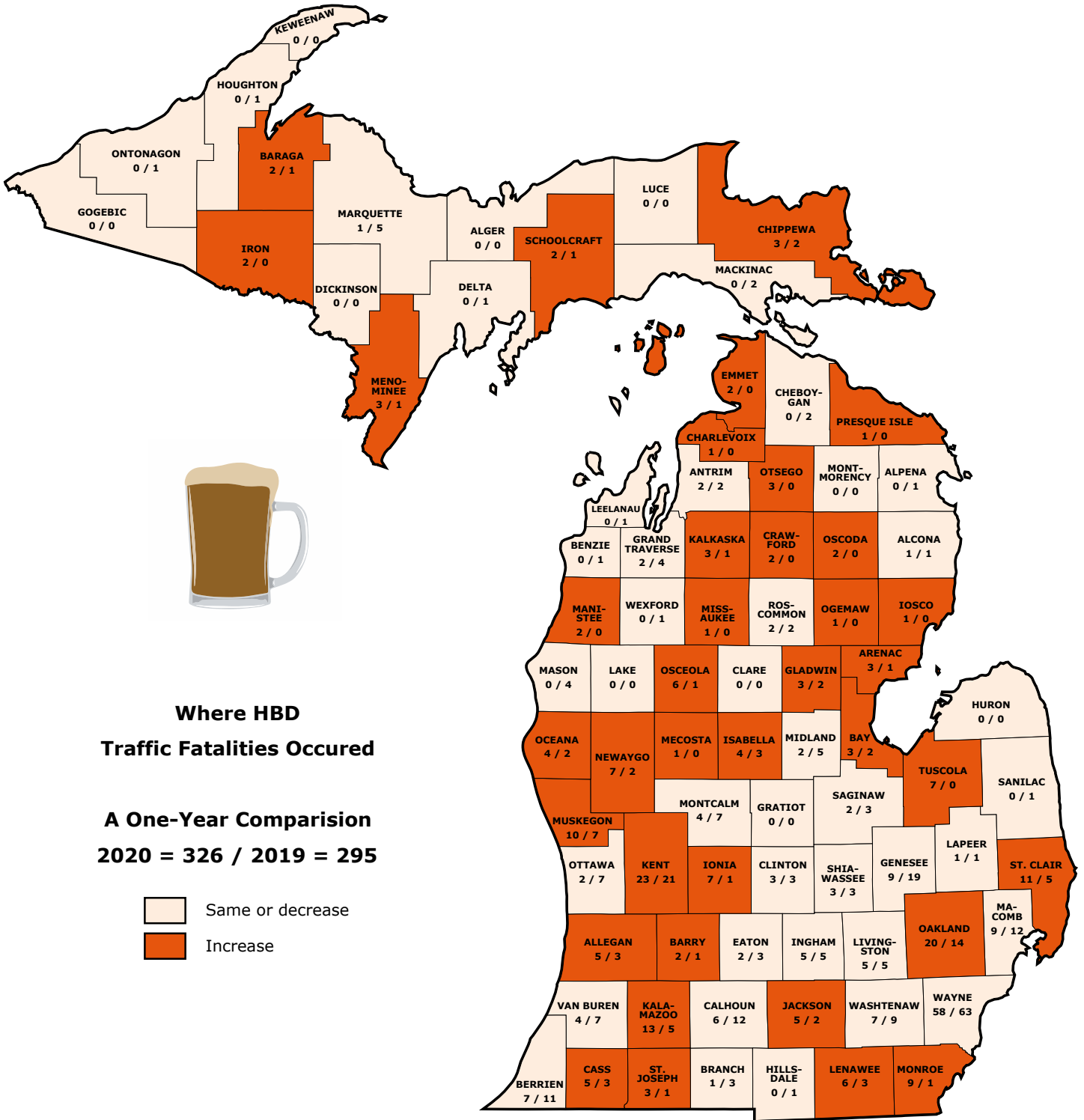
## FEMALE DRINKING DRIVERS BY AGE AND INJURY SEVERITY IN CRASH

AGE OF DRINKING DRIVER IN CRASH	FEMALE DRIVERS		FATAL		INJURY			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
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	0	0.0	0	0.0	0	0	0	0
16 years	6	0.2	0	0.0	1	1	2	2
17 years	12	0.5	0	0.0	0	1	3	8
18 years	24	1.0	1	1.7	1	3	6	13
19 years	53	2.1	3	5.0	5	8	12	25
20 years	65	2.6	2	3.3	5	11	11	36
21 - 24 years	402	16.0	12	20.0	32	67	65	226
25 - 34 years	829	32.9	22	36.7	59	133	152	463
35 - 44 years	550	21.8	9	15.0	40	62	103	336
45 - 54 years	321	12.7	8	13.3	23	38	52	200
55 - 64 years	195	7.7	2	3.3	7	32	40	114
65 - 69 years	30	1.2	1	1.7	0	3	5	21
70 - 74 years	19	0.8	0	0.0	2	2	2	13
75 - 79 years	9	0.4	0	0.0	0	1	1	7
80 - 84 years	1	0.0	0	0.0	0	0	1	0
85 - 89 years	2	0.1	0	0.0	0	1	0	1
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
<b>TOTAL</b>	<b>2,518**</b>	<b>100.0</b>	<b>60</b>	<b>100.0</b>	<b>175</b>	<b>363</b>	<b>455</b>	<b>1,465</b>

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 two unknown gender drinking drivers.*

# TRAFFIC FATALITIES WITH DRINKING INVOLVEMENT BY COUNTY



Where HBD  
Traffic Fatalities Occured

A One-Year Comparison  
2020 = 326 / 2019 = 295

- Same or decrease
- Increase

# COUNTY RANKING BY HBD FATAL CRASH RATE

