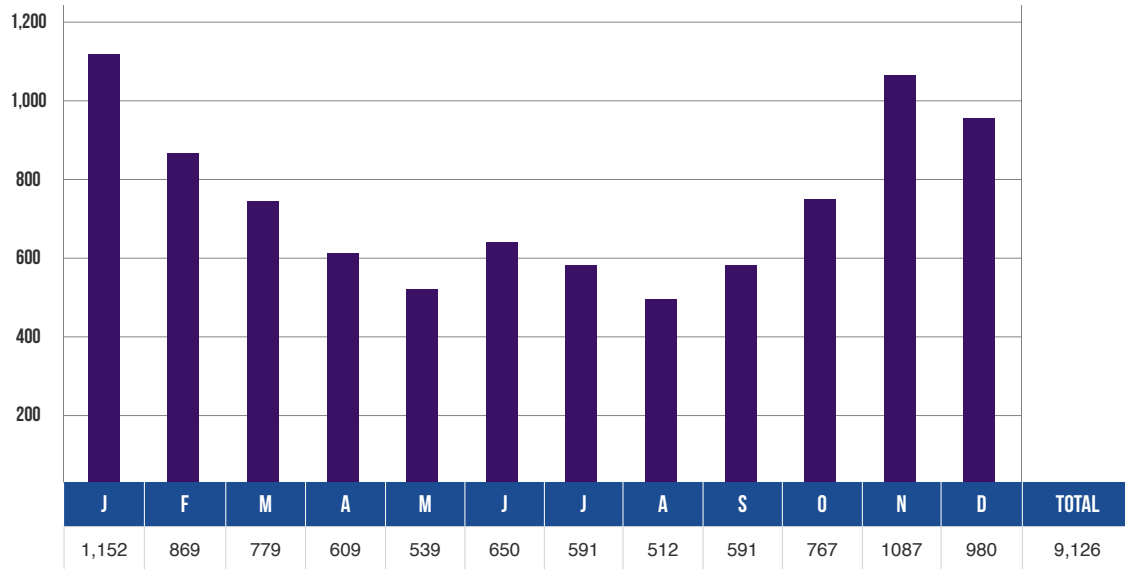
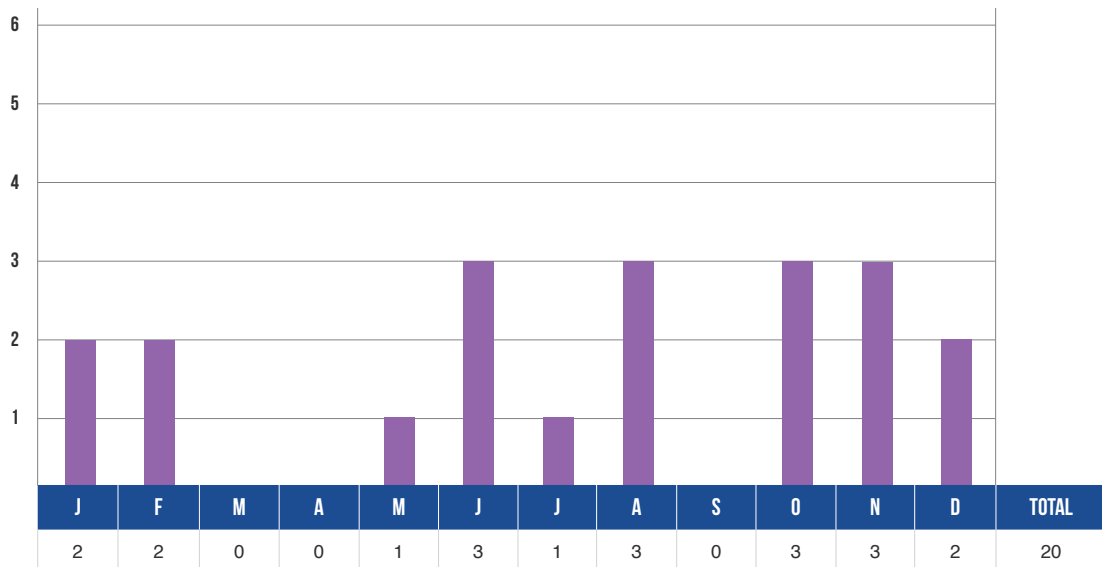


UPPER PENINSULA ALL CRASHES INJURY SEVERITY BY MONTH

TOTAL CRASHES

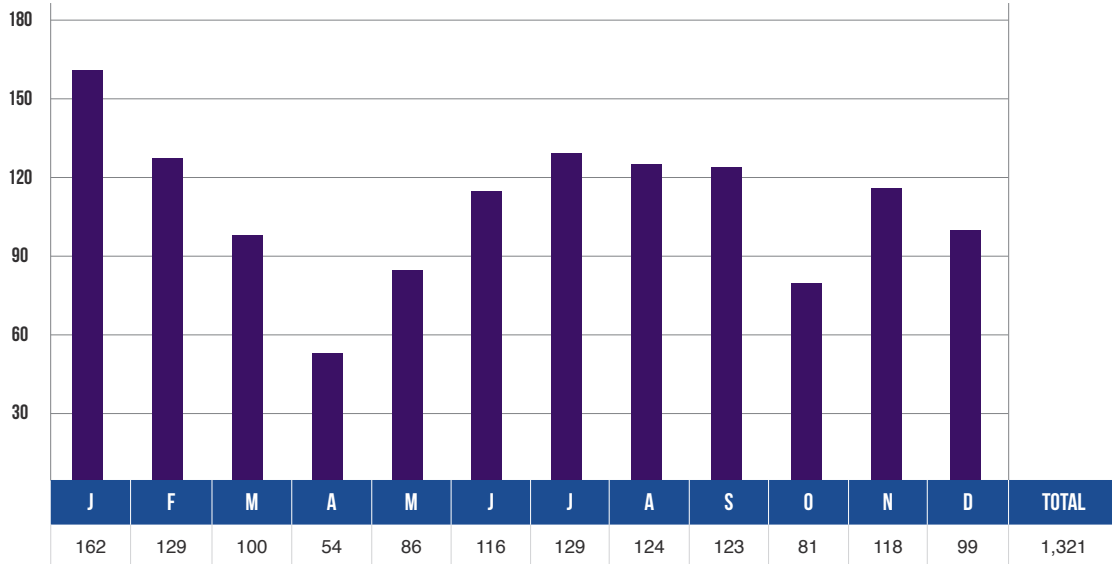


FATAL CRASHES

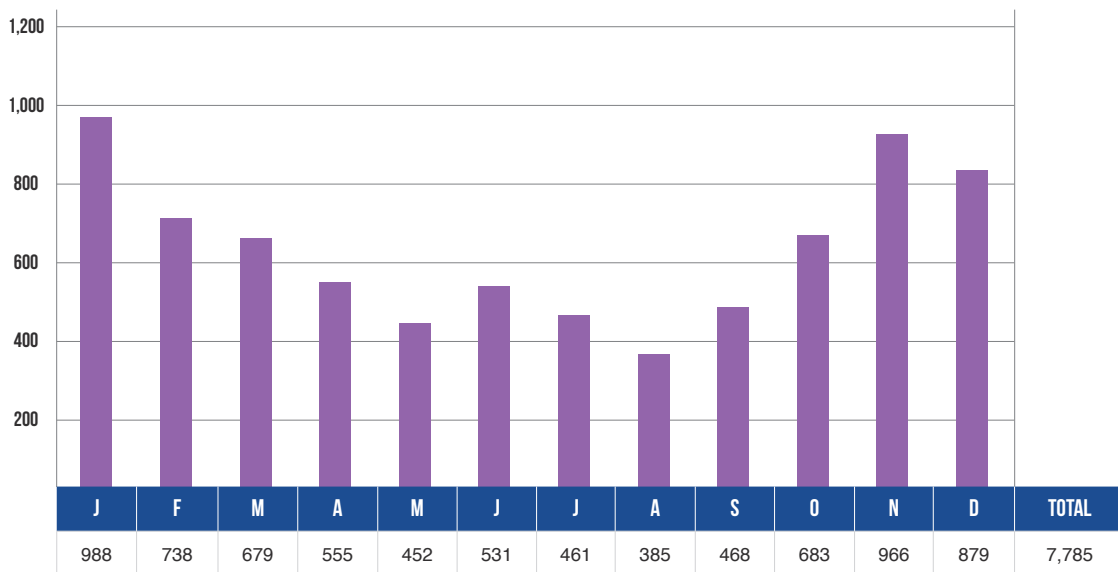


UPPER PENINSULA ALL CRASHES INJURY SEVERITY BY MONTH (CONTINUED)

INJURY CRASHES



PROPERTY DAMAGE ONLY CRASHES



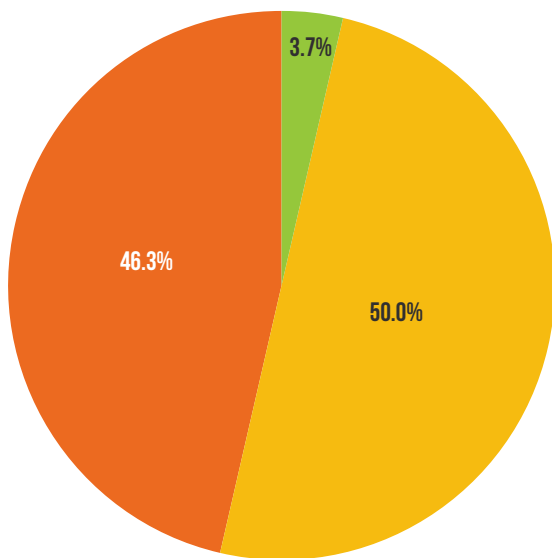
UPPER PENINSULA CRASH EXPERIENCE BY HIGHWAY CLASS

HIGHWAY CLASS	ALL CRASHES	FATAL CRASHES	INJURY CRASHES	PROPERTY DAMAGE ONLY
Interstate Routes	337	0	49	288
U.S. & Michigan Roads	4,563	12	643	3,908
County & City Roads	4,226	8	629	3,589
TOTAL	9,126	20	1,321	7,785

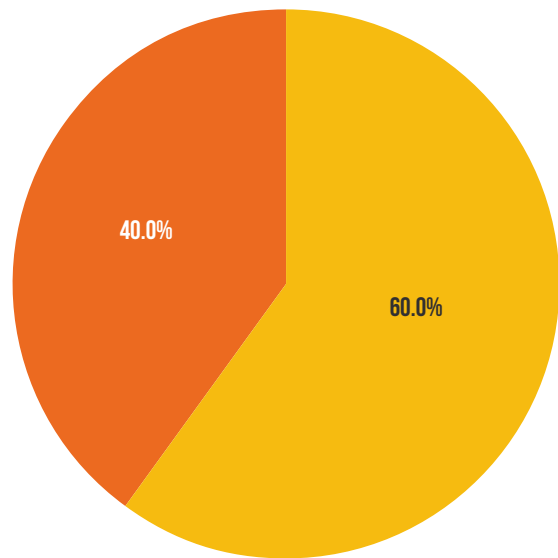
INTERSTATE ROUTES

U.S. & MICHIGAN ROADS

COUNTY & CITY ROADS



ALL CRASHES



FATAL CRASHES

The majority of all crashes (50.0%), fatal crashes (40.0%), injury crashes (48.7%), and property damage only crashes (50.2%) occur on U.S. and Michigan roads.

UPPER PENINSULA CRASH EXPERIENCE BY CRASH TYPE

CRASH TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
Single Vehicle	5,088	55.8	9	45.0	100	171	285	4,523
Head On	128	1.4	4	20.0	8	16	24	76
Head On - Left Turn	104	1.1	0	0.0	5	17	28	54
Angle	1,463	16.0	4	20.0	18	59	229	1,153
Rear End	999	10.9	1	5.0	18	30	160	790
Rear End - Left Turn	77	0.8	0	0.0	1	6	16	54
Rear End - Right Turn	71	0.8	0	0.0	0	0	8	63
Sideswipe - Same Direction	458	5.0	1	5.0	2	5	28	422
Sideswipe - Opposite Direction	224	2.5	0	0.0	3	6	18	197
Other/Unknown	514	5.6	1	5.0	10	16	34	453
TOTAL	9,126	100.0	20	100.0	165	326	830	7,785

In the Upper Peninsula, the single vehicle crash type produces the highest percentage of all crashes (55.8%), fatal crashes (45.0%), injury crashes (42.1%), and property damage only crashes (58.1%). Single vehicle crashes include rollovers, which are a particularly deadly crash type.

RELATIONSHIP TO ROADWAY

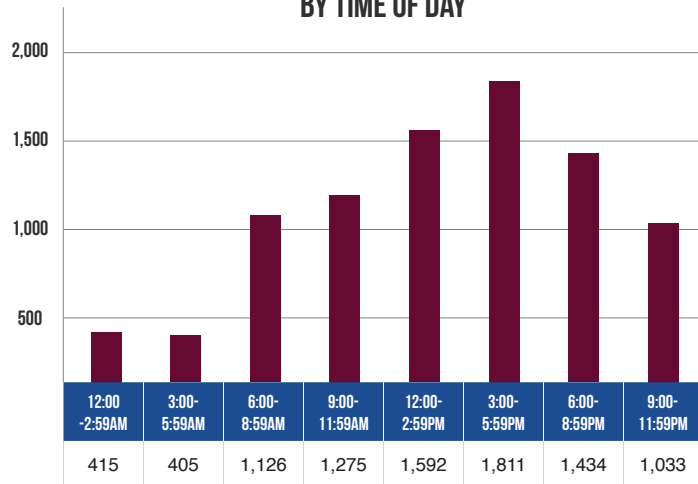
LOCATION OF FIRST IMPACT	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
On Road	7,130	78.1	11	55.0	91	203	620	6,205
Median	23	0.3	0	0.0	1	2	1	19
Shoulder	775	8.5	4	20.0	24	41	55	651
Outside of Shoulder/Curb	994	10.9	4	20.0	45	71	131	743
Gore	49	0.5	0	0.0	0	0	6	43
Other/Unknown	155	1.7	1	5.0	4	9	17	124
TOTAL	9,126	100.0	20	100.0	165	326	830	7,785

Only 8.5 percent of crashes occur on the shoulder of the road, but these crashes account for 20.0 percent of the fatal crashes.

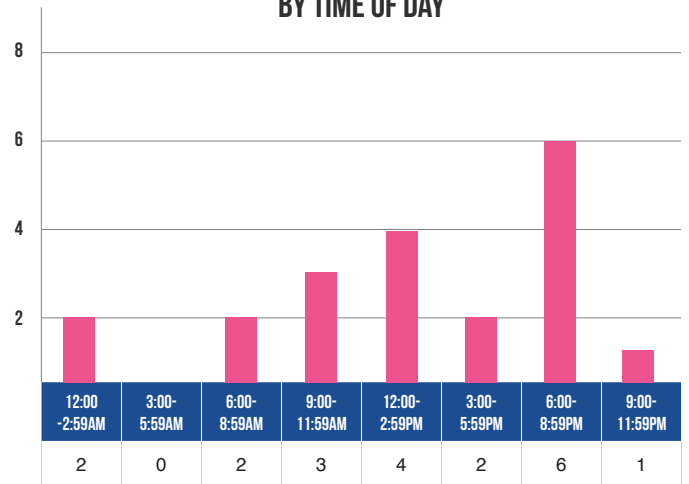
UPPER PENINSULA TIME AND SEVERITY

TIME OF DAY	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
12:00 AM - 2:59 AM	415	4.5	2	10.0	12	16	26	359
3:00 AM - 5:59 AM	405	4.4	0	0.0	7	14	23	361
6:00 AM - 8:59 AM	1,126	12.3	2	10.0	16	23	81	1,004
9:00 AM - 11:59 AM	1,275	14.0	3	15.0	15	49	153	1,055
12:00 PM - 2:59 PM	1,592	17.4	4	20.0	31	65	194	1,298
3:00 PM - 5:59 PM	1,811	19.8	2	10.0	34	79	194	1,502
6:00 PM - 8:59 PM	1,434	15.7	6	30.0	34	54	99	1,241
9:00 PM - 11:59 PM	1,033	11.3	1	5.0	16	26	60	930
Unknown	35	0.4	0	0.0	0	0	0	35
TOTAL	9,126	100.0	20	100.0	165	326	830	7,785

**ALL CRASHES
BY TIME OF DAY**



**FATAL CRASHES
BY TIME OF DAY**

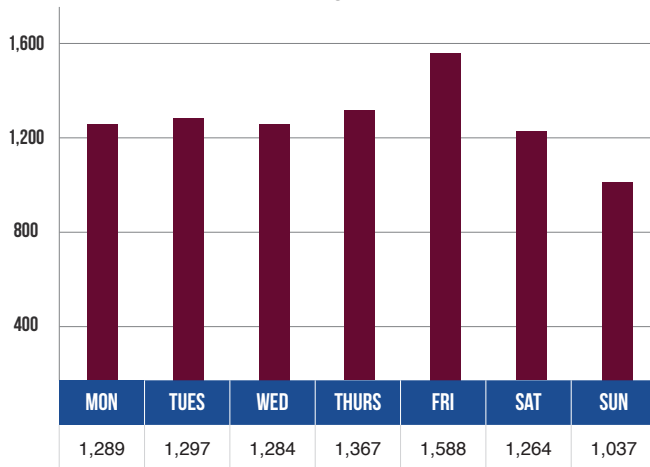


In the Upper Peninsula, crash frequencies peak in the early evening, then drop off until 6:00 AM (the morning rush hour). Fatal crash frequencies generally rise with the frequency of all crashes.

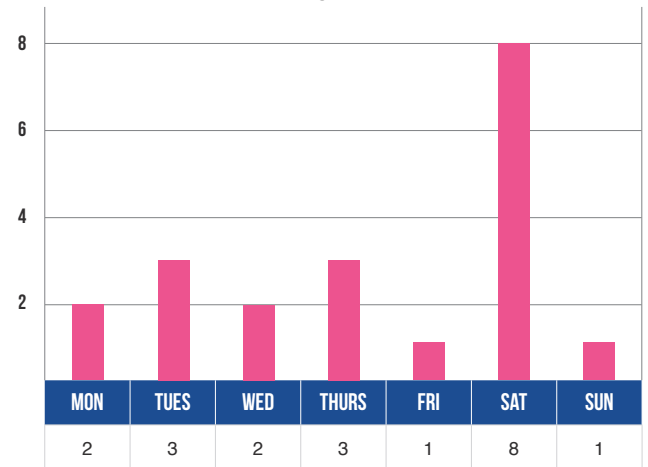
UPPER PENINSULA DAY OF WEEK

DAY OF WEEK	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
Monday	1,289	14.1	2	10.0	19	33	110	1,125
Tuesday	1,297	14.2	3	15.0	21	40	123	1,110
Wednesday	1,284	14.1	2	10.0	19	43	124	1,096
Thursday	1,367	15.0	3	15.0	20	59	127	1,158
Friday	1,588	17.4	1	5.0	33	55	149	1,350
Saturday	1,264	13.9	8	40.0	34	55	105	1,062
Sunday	1,037	11.4	1	5.0	19	41	92	884
TOTAL	9,126	100.0	20	100.0	165	326	830	7,785

**ALL CRASHES
BY DAY OF THE WEEK**



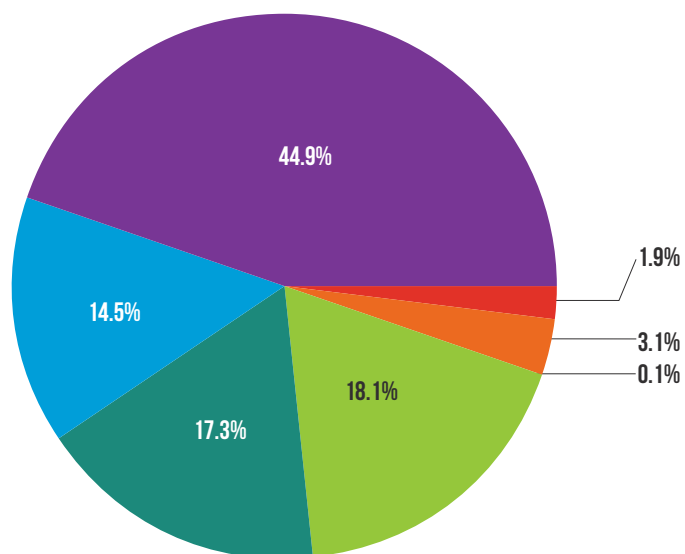
**FATAL CRASHES
BY DAY OF THE WEEK**



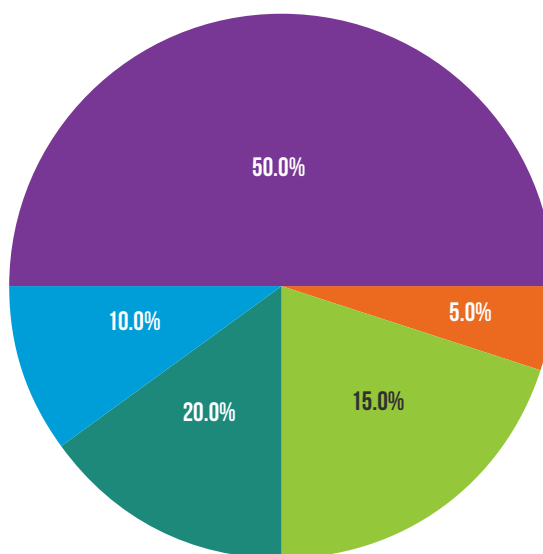
Crash frequencies are higher Monday through Friday than on the weekend. Saturday (8) has the highest number of fatal crashes.

UPPER PENINSULA ROAD CONDITION

ROAD SURFACE CONDITION	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
Dry	4,098	44.9	10	50.0	96	185	369	3,438
Wet	1,320	14.5	2	10.0	16	36	130	1,136
Icy	1,581	17.3	3	15.0	22	41	162	1,353
Snowy	1,654	18.1	4	20.0	24	54	126	1,446
Muddy	7	0.1	0	0.0	1	0	0	6
Slushy	287	3.1	1	5.0	4	4	34	244
Debris	4	0.0	0	0.0	0	1	0	3
Other/Unknown	175	1.9	0	0.0	2	5	9	159
TOTAL	9,126	100.0	20	100.0	165	326	830	7,785



ALL CRASHES

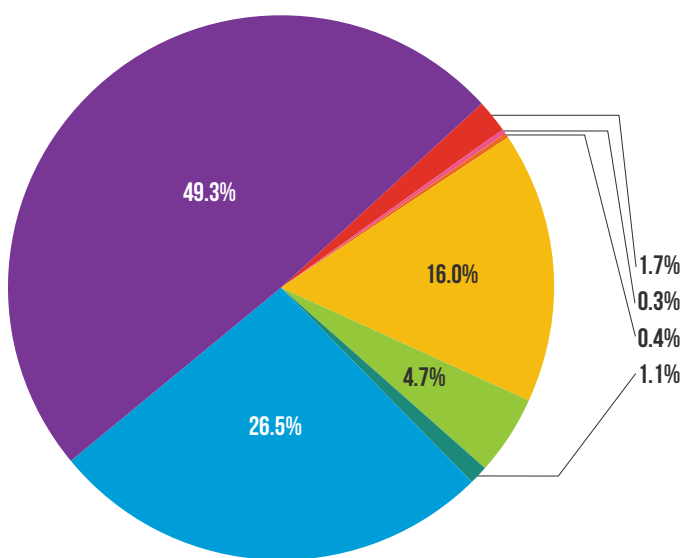


FATAL CRASHES

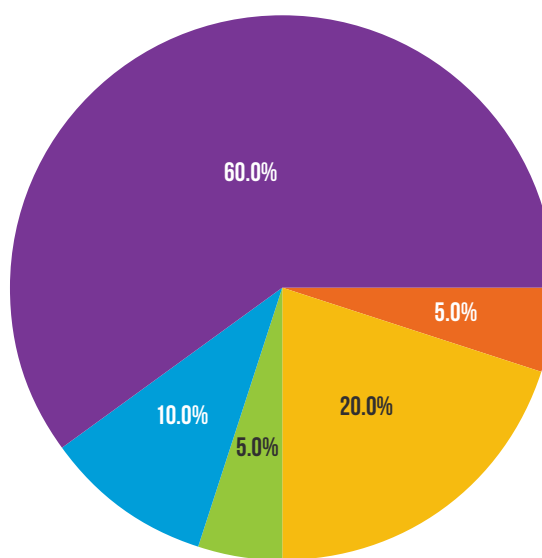
In the Upper Peninsula, the majority of all crashes (44.9%), fatal crashes (50.0%), injury crashes (49.2%), and property damage only crashes (44.2%) occur on dry roads.

UPPER PENINSULA WEATHER CONDITION

WEATHER CONDITION	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
Clear	4,501	49.3	12	60.0	89	180	416	3,804
Cloudy	2,420	26.5	2	10.0	42	76	207	2,093
Fog/Smoke	97	1.1	0	0.0	3	3	6	85
Rain	432	4.7	1	5.0	8	15	50	358
Snow/Blowing Snow	1,459	16.0	4	20.0	21	50	141	1,243
Severe Wind	37	0.4	1	5.0	1	2	2	31
Sleet/Hail	25	0.3	0	0.0	0	0	2	23
Other/Unknown	155	1.7	0	0.0	1	0	6	148
TOTAL	9,126	100.0	20	100.0	165	326	830	7,785



ALL CRASHES



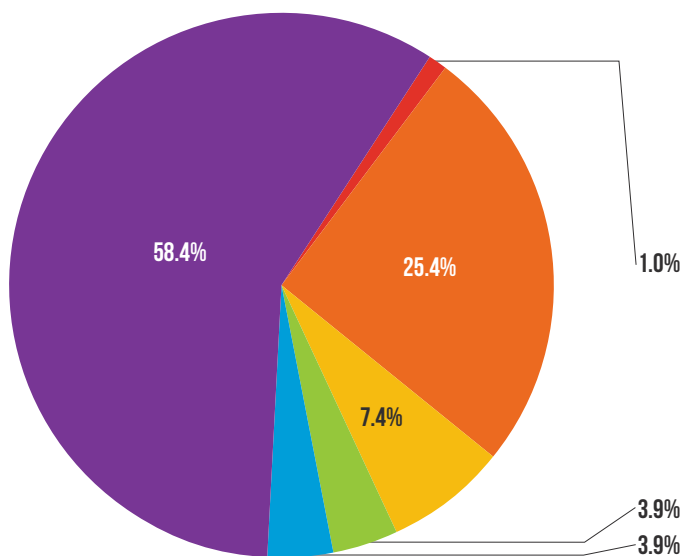
FATAL CRASHES

In the Upper Peninsula, the majority of all crashes (49.3%), fatal crashes (60.0%), injury crashes (51.9%), and property damage only crashes (48.9%) occur during clear weather conditions.

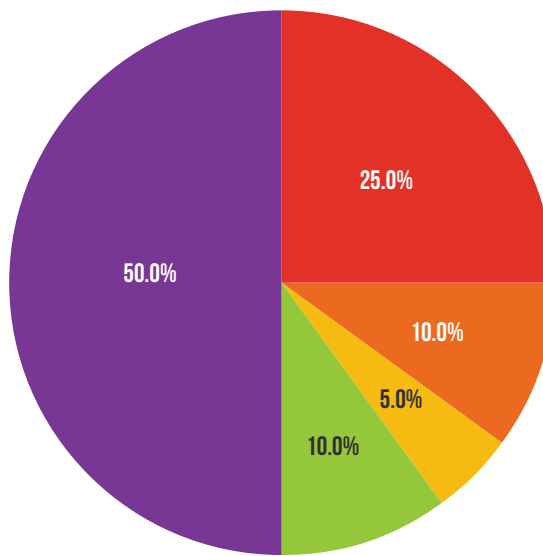
UPPER PENINSULA LIGHT CONDITION

LIGHT CONDITION	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
Daylight	5,329	58.4	10	50.0	111	229	605	4,374
Dawn	355	3.9	2	10.0	1	8	13	331
Dusk	358	3.9	1	5.0	4	9	22	322
Dark – Lighted	679	7.4	2	10.0	9	25	74	569
Dark – Unlighted	2,314	25.4	5	25.0	38	55	115	2,101
Other/Unknown	91	1.0	0	0.0	2	0	1	88
TOTAL	9,126	100.0	20	100.0	165	326	830	7,785

■ DAYLIGHT
 ■ DAWN
 ■ DUSK
 ■ DARK-LIGHTED
 ■ DARK-UNLIGHTED
 ■ OTHER/UNKNOWN



ALL CRASHES



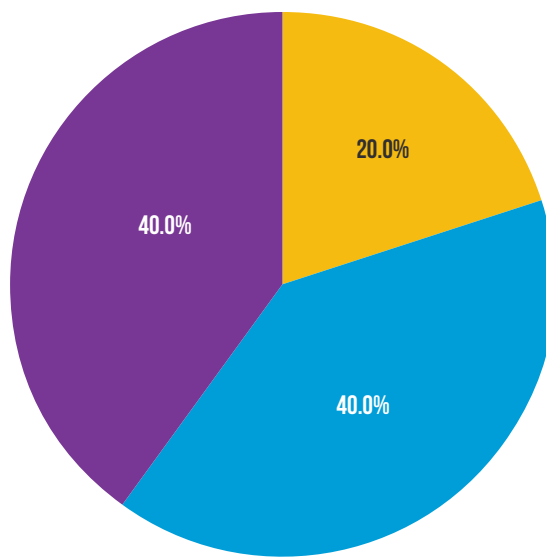
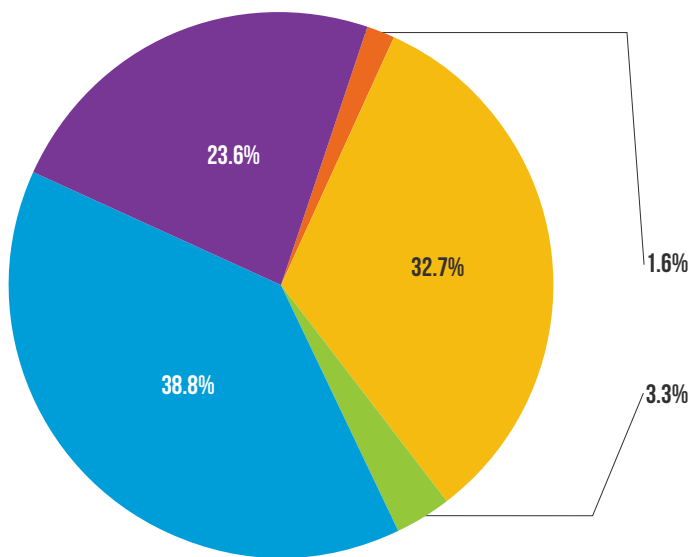
FATAL CRASHES

In the Upper Peninsula, the majority of all crashes (58.4%), fatal crashes (50.0%), injury crashes (71.5%), and property damage only crashes (56.2%) occur during daylight hours.

UPPER PENINSULA INTERSECTION CRASHES BY TRAFFIC CONTROL TYPE

TRAFFIC CONTROL TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
Signal	529	23.6	2	40.0	4	24	105	394
Stop Sign	870	38.8	2	40.0	9	40	136	683
Yield Sign	74	3.3	0	0.0	0	6	13	55
None of These	734	32.7	1	20.0	16	35	96	586
Unknown	37	1.6	0	0.0	0	1	5	31
TOTAL	2,244	100.0	5	100.0	29	106	355	1,749

■ SIGNAL
 ■ STOP SIGN
 ■ YIELD SIGN
 ■ NONE OF THESE
 ■ UNKNOWN



ALL CRASHES

FATAL CRASHES

Compared to other intersection crashes, Upper Peninsula intersections with stop signs have the highest percentage of all crashes (38.8%), injury crashes (37.8%), and property damage only crashes (39.1%). Both signals and stop signs share the highest number of fatal crashes (40.0% each).

UPPER PENINSULA CONSTRUCTION ZONE CRASHES

CONSTRUCTION ZONE TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
CONSTRUCTION/MAINTENANCE	<i>Indicates roadway construction, maintenance, or repair. The building, maintenance, or repair of the road itself and roadway-related features (e.g., overhead signs, signals).</i>							
Activity—On Road								
Lane Closed	9	26.5	0	0.0	1	2	1	5
Lane Open	13	38.2	0	0.0	1	2	1	9
Unknown Lane Closure	0	0.0	0	0.0	0	0	0	0
Activity—Off Road								
Lane Closed	0	0.0	0	0.0	0	0	0	0
Lane Open	3	8.8	0	0.0	0	0	0	3
Unknown Lane Closure	0	0.0	0	0.0	0	0	0	0
Activity—None								
Lane Closed	1	2.9	0	0.0	0	0	0	1
Lane Open	8	23.5	0	0.0	0	1	2	5
Unknown Lane Closure	0	0.0	0	0.0	0	0	0	0
Activity—Unknown								
Lane Closed	0	0.0	0	0.0	0	0	0	0
Lane Open	0	0.0	0	0.0	0	0	0	0
Unknown Lane Closure	0	0.0	0	0.0	0	0	0	0
SUBTOTAL	34	100.0	0	0.0	2	5	4	23
UTILITY	<i>Indicates work on facilities other than the roadway such as telephone, electrical, cable television, water, or sewer.</i>							
Activity—On Road								
Lane Closed	0	0.0	0	0.0	0	0	0	0
Lane Open	1	100.0	0	0.0	0	0	0	1
Unknown Lane Closure	0	0.0	0	0.0	0	0	0	0
Activity—Off Road								
Lane Closed	0	0.0	0	0.0	0	0	0	0
Lane Open	0	0.0	0	0.0	0	0	0	0
Unknown Lane Closure	0	0.0	0	0.0	0	0	0	0

UPPER PENINSULA CONSTRUCTION ZONE CRASHES (CONTINUED)

CONSTRUCTION ZONE TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
Activity—None								
Lane Closed	0	0.0	0	0.0	0	0	0	0
Lane Open	0	0.0	0	0.0	0	0	0	0
Unknown Lane Closure	0	0.0	0	0.0	0	0	0	0
Activity—Unknown								
Lane Closed	0	0.0	0	0.0	0	0	0	0
Lane Open	0	0.0	0	0.0	0	0	0	0
Unknown Lane Closure	0	0.0	0	0.0	0	0	0	0
SUBTOTAL	1	100.0	0	0.0	0	0	0	1
UNKNOWN	<i>Unknown type, unknown lane closures, activity none</i>							
SUBTOTAL	108		0		1	4	11	92
TOTAL	143		0		3	9	15	116