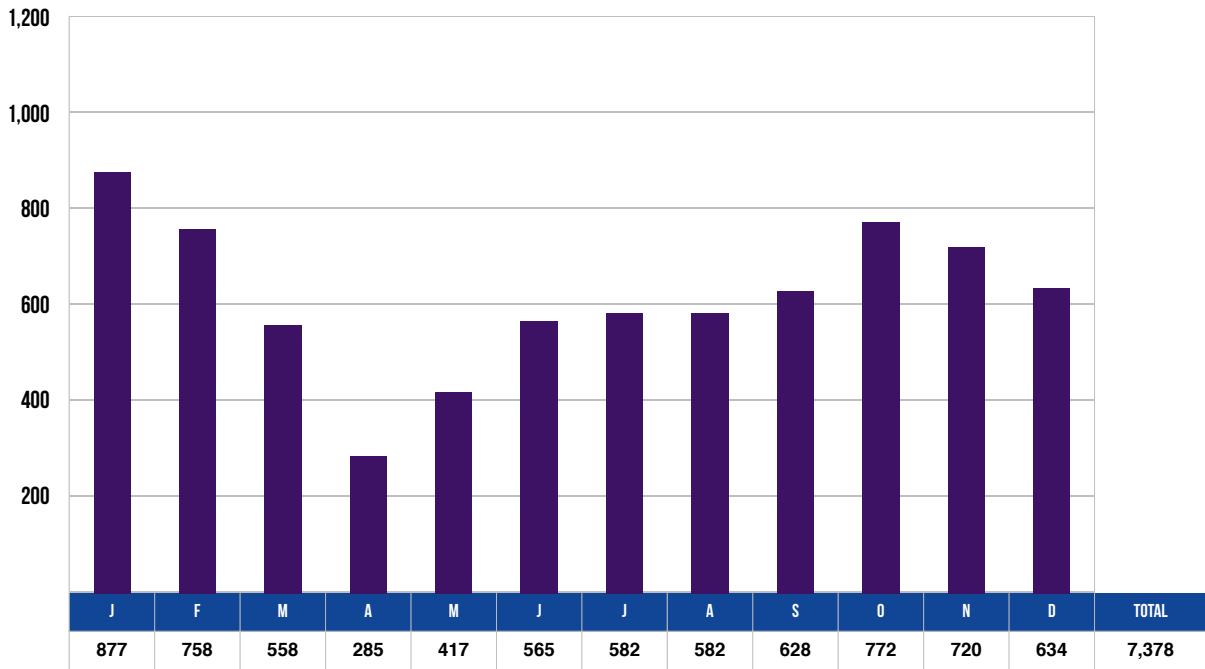
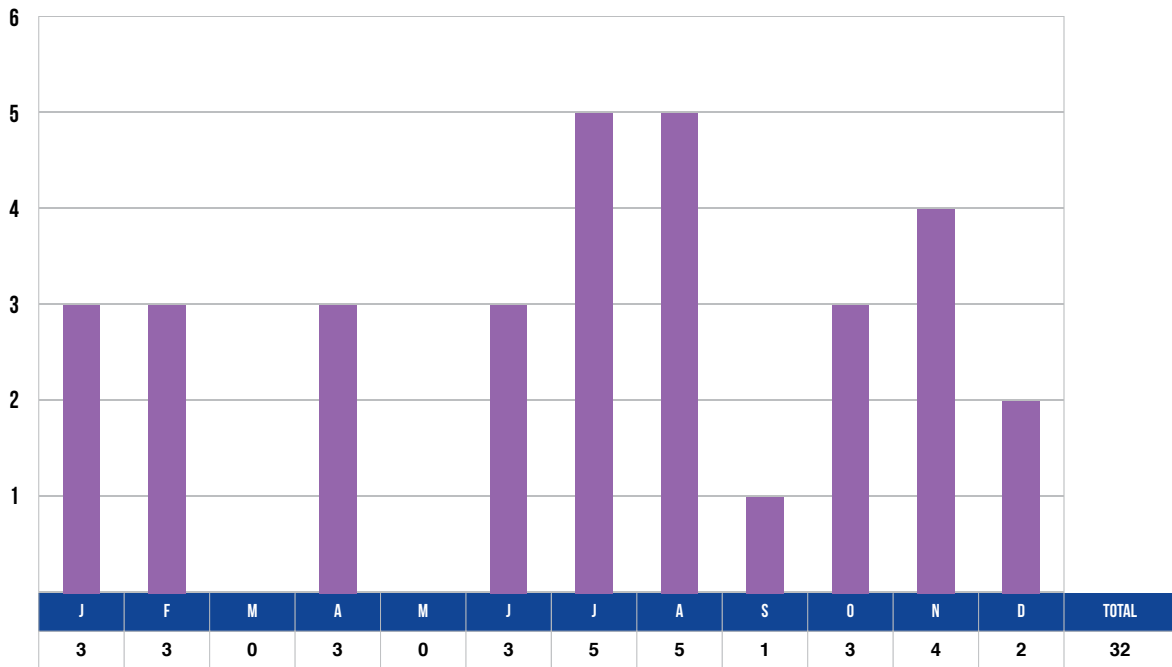


UPPER PENINSULA ALL CRASHES INJURY SEVERITY BY MONTH

TOTAL CRASHES

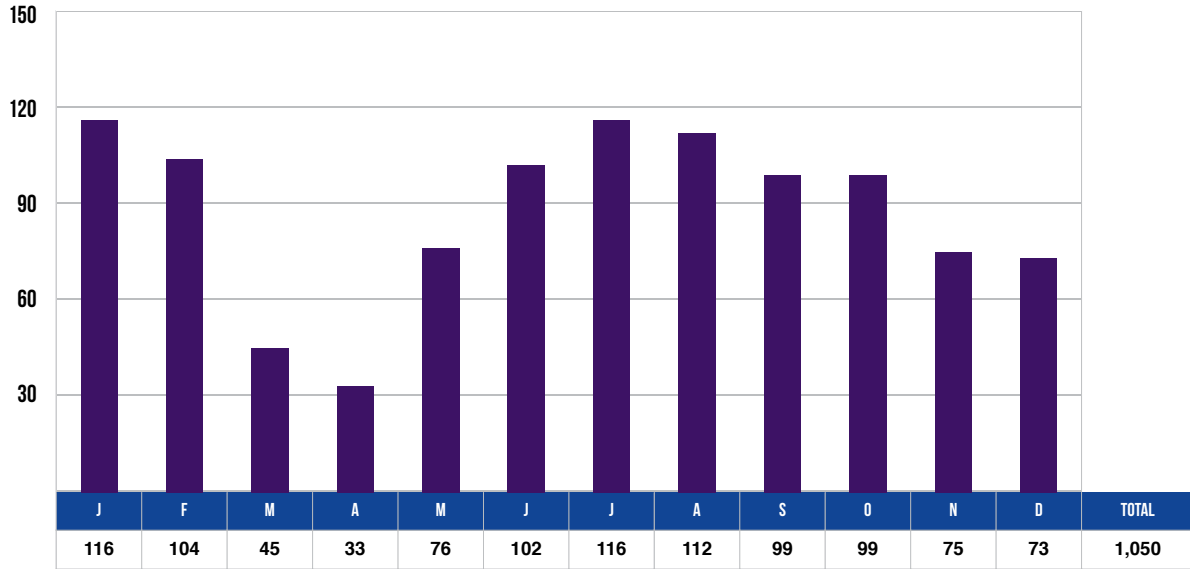


FATAL CRASHES

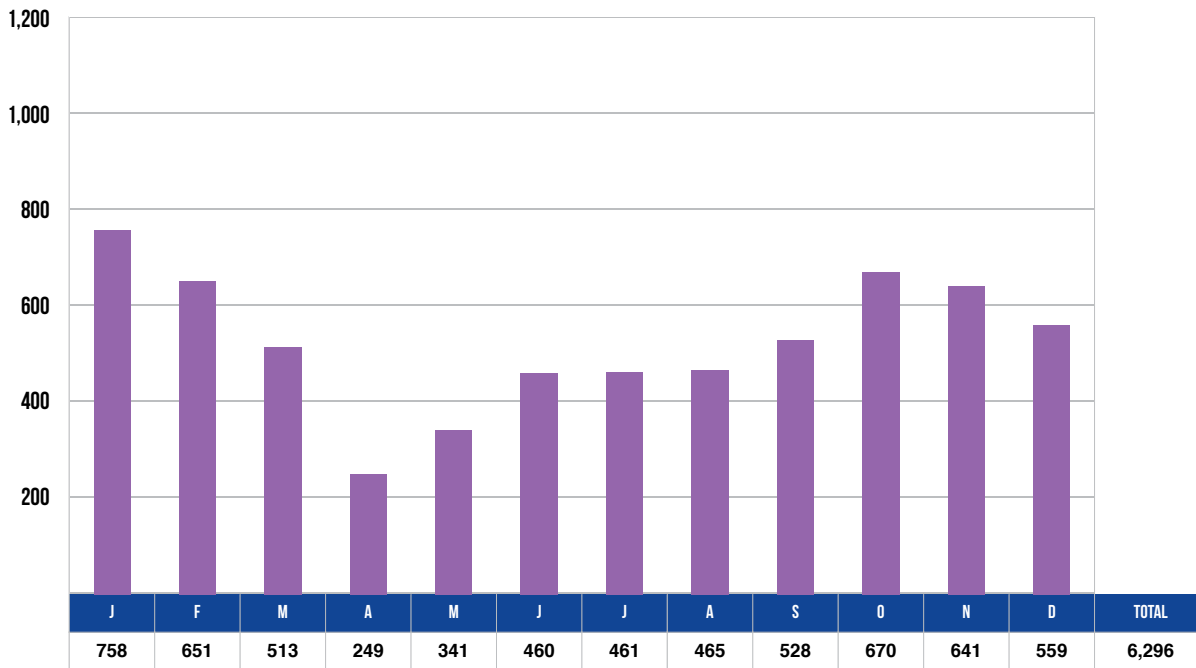


UPPER PENINSULA ALL CRASHES INJURY SEVERITY BY MONTH (CONTINUED)

INJURY CRASHES



PROPERTY DAMAGE ONLY CRASHES



UPPER PENINSULA CRASH EXPERIENCE BY HIGHWAY CLASS

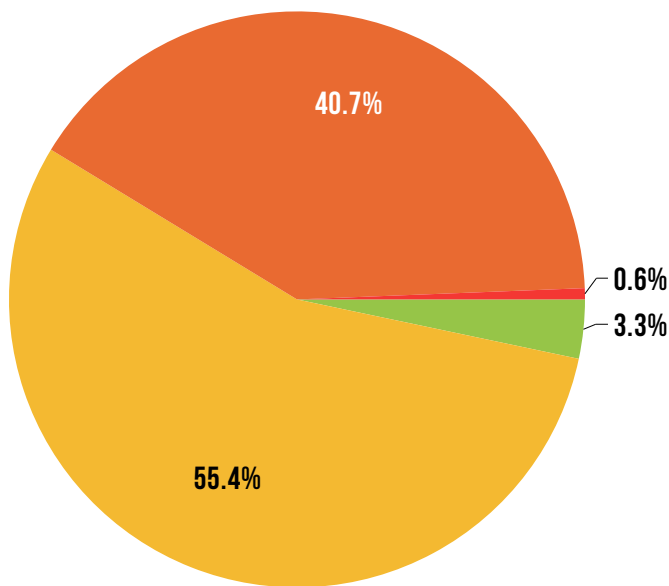
HIGHWAY CLASS	ALL CRASHES	FATAL CRASHES	INJURY CRASHES	PROPERTY DAMAGE ONLY
Interstate Routes	244	0	32	212
U.S. & Michigan Roads	4,087	19	508	3,560
County & City Roads	3,001	13	497	2,491
Uncoded & Errors	46	0	13	33

INTERSTATE ROUTES

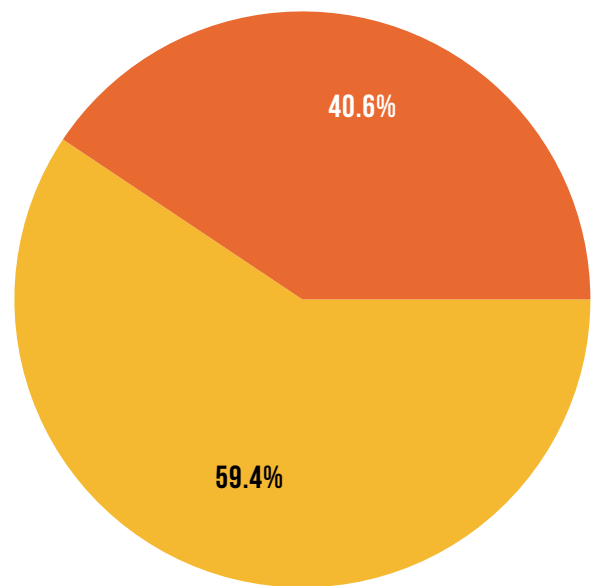
U.S. & MICHIGAN ROADS

COUNTY & CITY ROADS

UNCODED & ERRORS



ALL CRASHES



FATAL CRASHES

The highest percentage of all crashes (55.4%), fatal crashes (59.4%), injury crashes (48.4%), and property damage only crashes (56.5%) occurred 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	4,797	65.0	17	53.1	128	187	241	4,224
Head On	77	1.0	6	18.8	16	12	8	35
Head On – Left Turn	105	1.4	1	3.1	9	7	22	66
Angle	772	10.5	6	18.8	26	47	105	588
Rear End	577	7.8	1	3.1	14	25	83	454
Rear End – Left Turn	49	0.7	0	0.0	2	2	11	34
Rear End – Right Turn	37	0.5	0	0.0	0	1	5	31
Sideswipe – Same Direction	361	4.9	0	0.0	3	8	17	333
Sideswipe – Opposite Directions	131	1.8	0	0.0	3	9	12	107
Backing	183	2.5	0	0.0	0	0	3	180
Other	235	3.2	1	3.1	10	13	19	192
Unknown	54	0.7	0	0.0	0	0	2	52
Uncoded & Errors	0	0.0	0	0.0	0	0	0	0
TOTAL	7,378	100.0	32	100.0	211	311	528	6,296

RELATIONSHIP TO ROADWAY

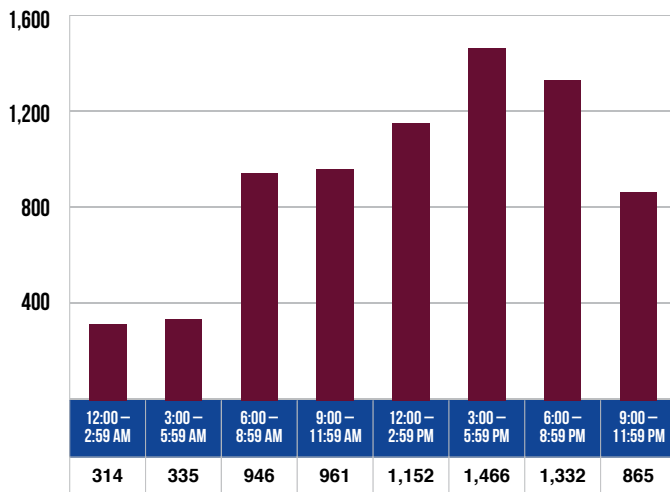
LOCATION OF FIRST IMPACT	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
On Road	6,126	83.0	20	62.5	136	211	400	5,359
Median	21	0.3	0	0.0	0	0	4	17
Shoulder	415	5.6	3	9.4	22	30	44	316
Outside of Shoulder/Curb	611	8.3	9	28.1	48	61	67	426
Gore	24	0.3	0	0.0	1	1	8	14
On-Street Parking	124	1.7	0	0.0	0	2	4	118
Off the Roadway	0	0.0	0	0.0	0	0	0	0
On the Sidewalk	8	0.1	0	0.0	1	1	1	5
In the Bicycle Lane	0	0.0	0	0.0	0	0	0	0
Other/Unknown	49	0.7	0	0.0	3	5	0	41
TOTAL	7,378	100.0	32	100.0	211	311	528	6,296

In the Upper Peninsula, only 8.3 percent of crashes occur outside of the shoulder/curb of the road, but these crashes account for 28.1 percent of the fatal crashes.

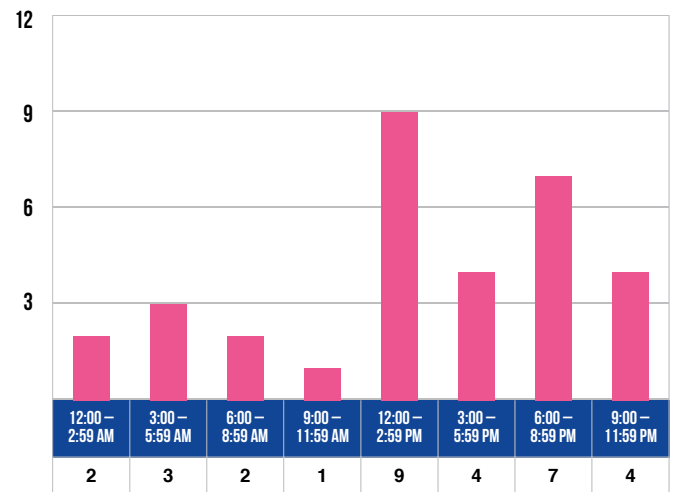
UPPER PENINSULA TIME AND SEVERITY

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	314	4.3	2	6.3	11	13	17	271
3:00 AM – 5:59 AM	335	4.5	3	9.4	9	10	20	293
6:00 AM – 8:59 AM	946	12.8	2	6.3	19	24	62	839
9:00 AM – 11:59 AM	961	13.0	1	3.1	31	38	83	808
12:00 PM – 2:59 PM	1,152	15.6	9	28.1	45	67	100	931
3:00 PM – 5:59 PM	1,466	19.9	4	12.5	52	73	130	1,207
6:00 PM – 8:59 PM	1,332	18.1	7	21.9	27	50	65	1,183
9:00 PM – 11:59 PM	865	11.7	4	12.5	17	36	50	758
Unknown	7	0.1	0	0.0	0	0	1	6
TOTAL	7,378	100.0	32	100.0	211	311	528	6,296

ALL CRASHES BY TIME OF DAY



FATAL CRASHES BY TIME OF DAY

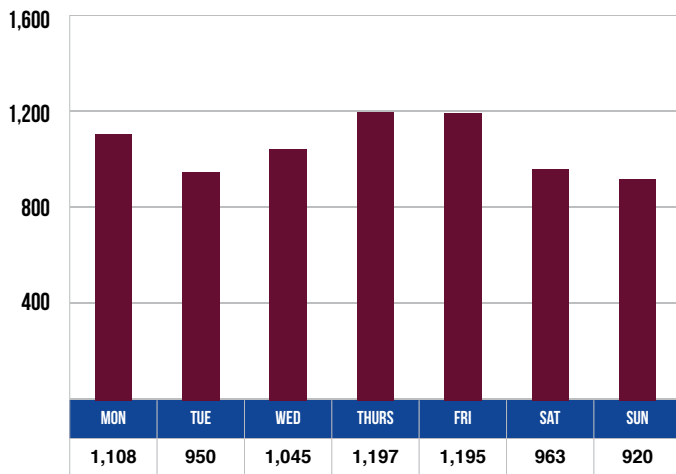


In the Upper Peninsula, crash frequencies peak in the late afternoon, then drop off until 6:00 AM (the morning rush hour). In 2020, fatal crashes were more prevalent in the PM hours than the AM hours, with the highest concentration (9) occurring during the 12:00 PM to 2:59 PM time period.

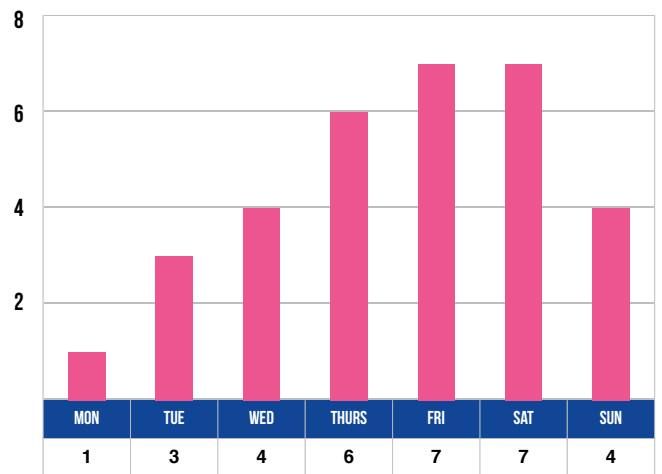
UPPER PENINSULA DAY OF WEEK

DAY OF WEEK	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
Monday	1,108	15.0	1	3.1	28	46	83	950
Tuesday	950	12.9	3	9.4	26	38	71	812
Wednesday	1,045	14.2	4	12.5	31	33	73	904
Thursday	1,197	16.2	6	18.8	26	51	89	1,025
Friday	1,195	16.2	7	21.9	36	44	91	1,017
Saturday	963	13.1	7	21.9	35	51	67	803
Sunday	920	12.5	4	12.5	29	48	54	785
TOTAL	7,378	100.0	32	100.0	211	311	528	6,296

ALL CRASHES BY DAY OF WEEK



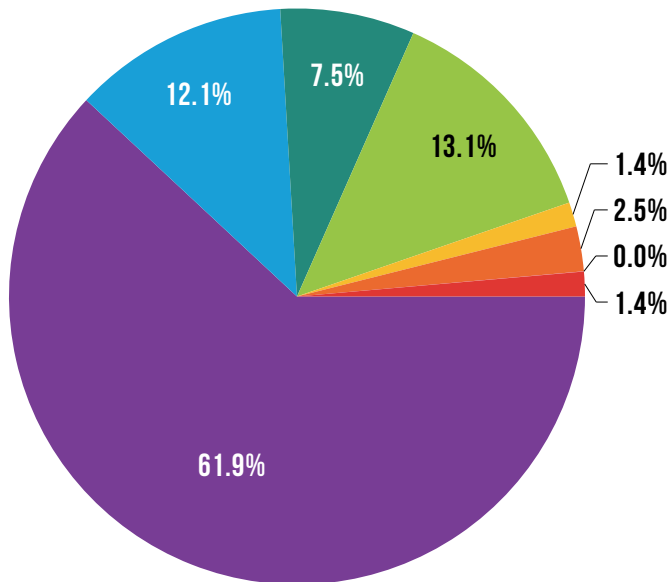
FATAL CRASHES BY DAY OF WEEK



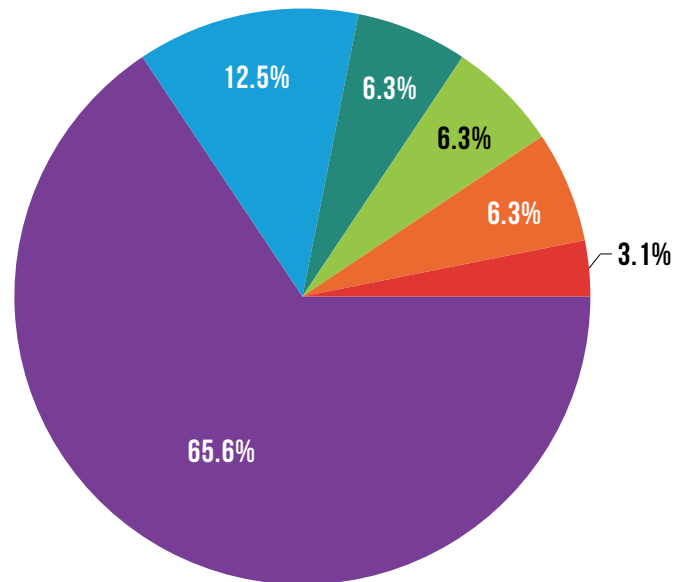
In the Upper Peninsula, overall crash frequencies are the highest on Thursday (1,197), but Friday and Saturday both had the highest number of fatal crashes (7).

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	4,570	61.9	21	65.6	156	190	294	3,909
Wet	894	12.1	4	12.5	15	35	58	782
Ice	557	7.5	2	6.3	9	18	57	471
Snow	966	13.1	2	6.3	16	38	80	830
Mud, Dirt, Gravel	96	1.3	0	0.0	13	20	11	52
Slush	186	2.5	2	6.3	2	7	27	148
Debris	1	0.0	0	0.0	0	0	0	1
Water (Standing/Flowing)	1	0.0	0	0.0	0	0	0	1
Sand	5	0.1	0	0.0	0	0	1	4
Oily	0	0.0	0	0.0	0	0	0	0
Other	3	0.0	0	0.0	0	1	0	2
Unknown	99	1.3	1	3.1	0	2	0	96
TOTAL	7,378	100.0	32	100.0	211	311	528	6,296



ALL CRASHES



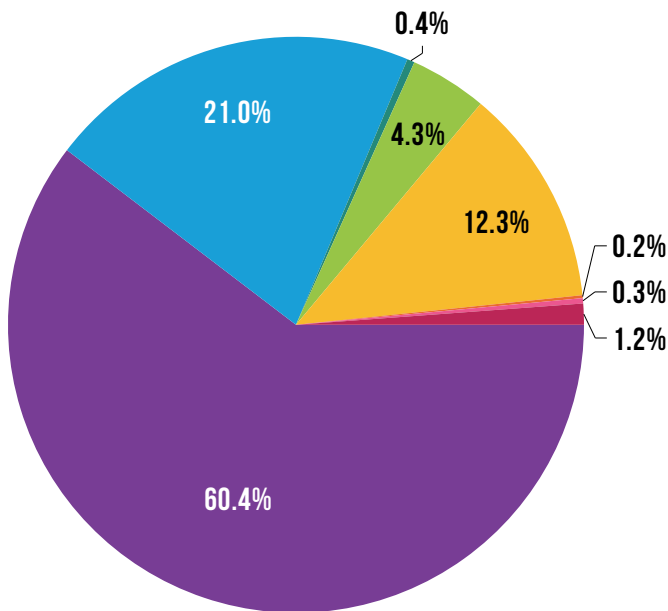
FATAL CRASHES

In the Upper Peninsula, the highest percentage of all crashes (61.9%), fatal crashes (65.6%), injury crashes (61.0%), and property damage only crashes (62.1%) occur on dry roads.

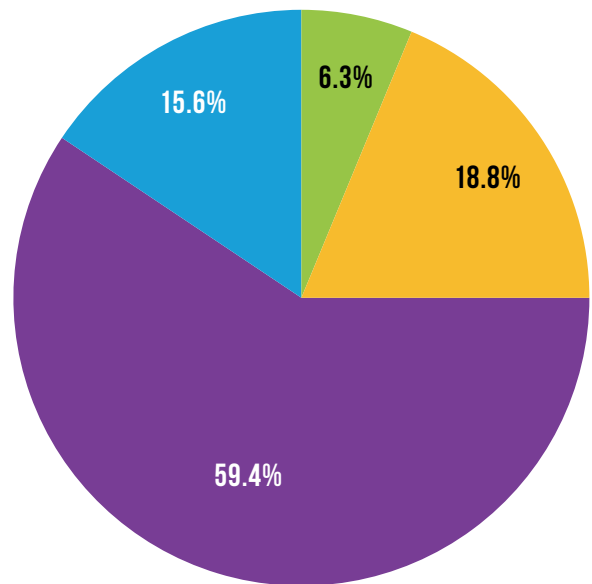
UPPER PENINSULA WEATHER CONDITION

WEATHER CONDITION	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
Clear	4,454	60.4	19	59.4	145	199	317	3,774
Cloudy	1,546	21.0	5	15.6	44	66	91	1,340
Fog	31	0.4	0	0.0	1	0	5	25
Rain	320	4.3	2	6.3	10	14	15	279
Snow	806	10.9	3	9.4	7	22	83	691
Severe Crosswinds	12	0.2	0	0.0	1	0	2	9
Sleet/Hail	22	0.3	0	0.0	1	1	1	19
Blowing Snow	100	1.4	3	9.4	2	7	13	75
Blowing Sand, Soil, Dirt	0	0.0	0	0.0	0	0	0	0
Smoke	0	0.0	0	0.0	0	0	0	0
Unknown	87	1.2	0	0.0	0	2	1	84
TOTAL	7,378	100.0	32	100.0	211	311	528	6,296

■ CLEAR
 ■ CLOUDY
 ■ FOG/SMOKE
 ■ RAIN
 ■ SNOW/BLOWING SNOW
 ■ SEVERE WIND/BLOWING SAND
 ■ SLEET/HAIL
 ■ UNKNOWN



ALL CRASHES

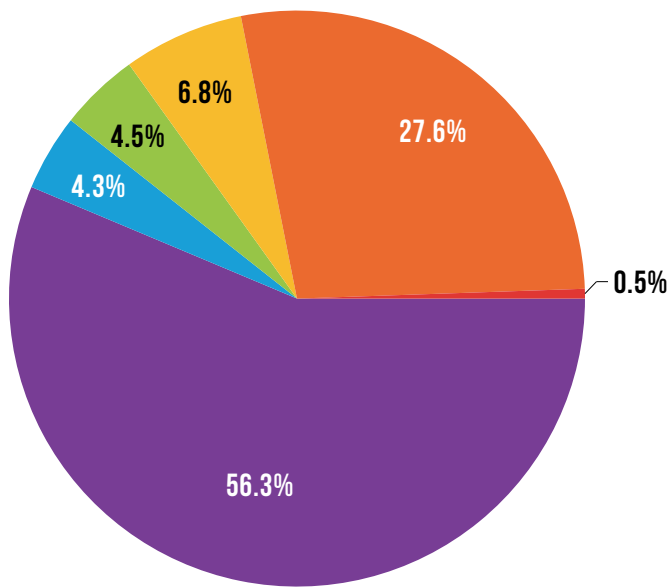


FATAL CRASHES

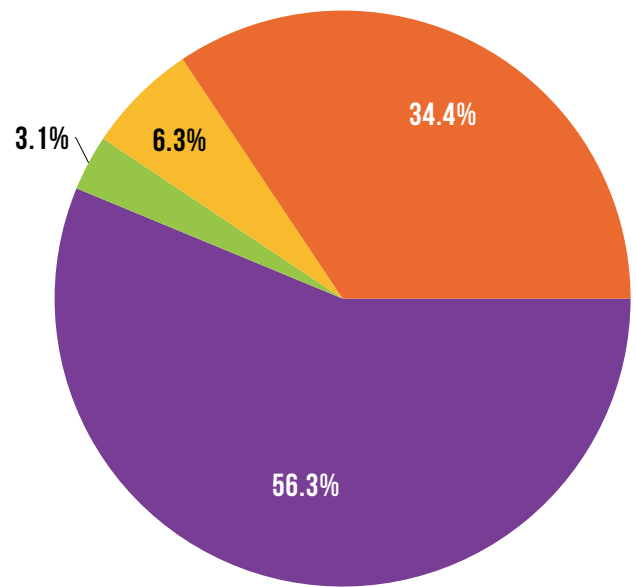
In the Upper Peninsula, the highest percentage of all crashes (60.4%), fatal crashes (59.4%), injury crashes (63.0%), and property damage only crashes (59.9%) occur during clear weather conditions.

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	4,156	56.3	18	56.3	148	212	365	3,413
Dawn	317	4.3	0	0.0	6	8	21	282
Dusk	330	4.5	1	3.1	5	9	10	305
Dark – Lighted	500	6.8	2	6.3	13	11	33	441
Dark – Unlighted	2,035	27.6	11	34.4	39	70	98	1,817
Other	3	0.0	0	0.0	0	0	0	3
Unknown	37	0.5	0	0.0	0	1	1	35
TOTAL	7,378	100.0	32	100.0	211	311	528	6,296



ALL CRASHES



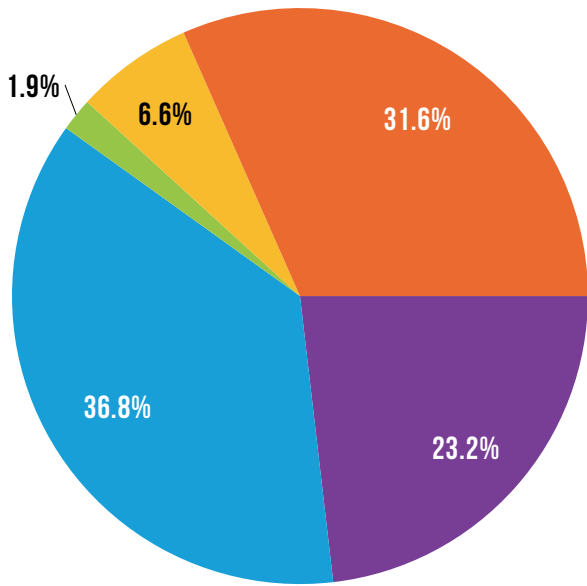
FATAL CRASHES

In the Upper Peninsula, the highest percentage of all crashes (56.3%), fatal crashes (56.3%), injury crashes (69.0%), and property damage only crashes (54.2%) occur during during daylight hours.

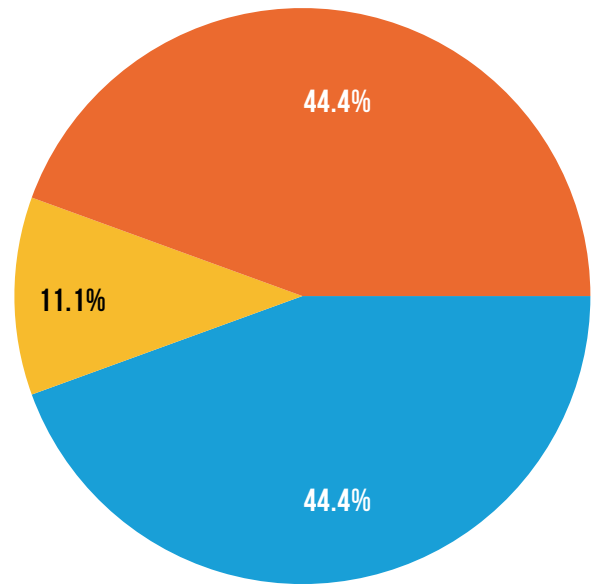
UPPER PENINSULA INTERSECTION CRASHES BY TRAFFIC CONTROL TYPE

TRAFFIC CONTROL TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES			PROPERTY DAMAGE ONLY
	Number	% of Total	Number	% of Total	A	B	C	
Signal	361	23.2	0	0.0	11	19	54	277
Stop Sign	573	36.8	4	44.4	23	26	81	439
Stop with Flashing Beacon	29	1.9	0	0.0	1	4	3	21
Yield Sign	103	6.6	1	11.1	0	4	12	86
None	493	31.6	4	44.4	20	30	48	391
Uncoded & Errors	0	0.0	0	0.0	0	0	0	0
TOTAL	1,559	100.0	9	100.0	55	83	198	1,214

■ SIGNAL
 ■ STOP SIGN
 ■ STOP WITH FLASHING BEACON
 ■ YIELD SIGN
 ■ NONE
 ■ UNCODED & ERRORS



ALL CRASHES

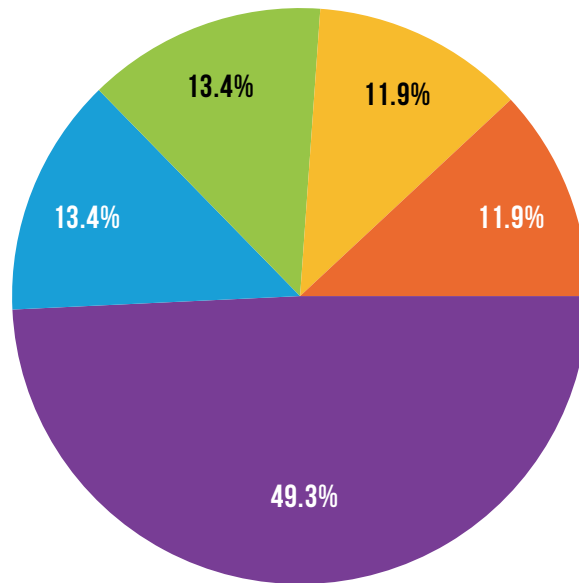


FATAL CRASHES

Compared to other intersection crashes, Upper Peninsula intersections with stop signs have the highest percentage of all crashes (36.8%), injury crashes (38.7%), and property damage only crashes (36.2%).

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>							
Lane Closure	33	49.3	0	0.0	2	1	3	27
Lane Shift/Crossover	9	13.4	0	0.0	0	2	0	7
Work on Shoulder/Median	9	13.4	0	0.0	1	0	1	7
Intermittent/Moving Work	8	11.9	0	0.0	0	0	1	7
Other	8	11.9	0	0.0	0	3	0	5
Uncoded & Errors	0	0.0	0	0.0	0	0	0	0
TOTAL	67	100.0	0	0.0	3	6	5	53



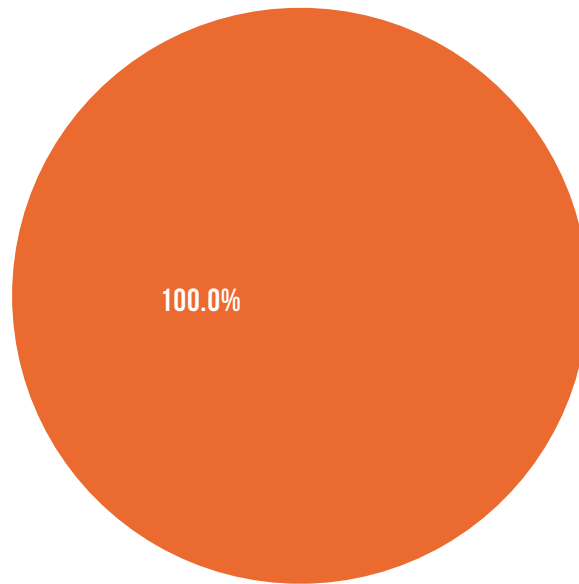
ALL CRASHES

For crashes taking place in construction/maintenance zones, the highest percentage of all crashes (49.3%), injury crashes (42.9%), and property damage only crashes (50.9%) occur in lane closure situations.

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	
UTILITY	<i>Indicates work on facilities other than the roadway such as telephone, electrical, cable television, water, or sewer.</i>							
Lane Closure	0	0.0	0	0.0	0	0	0	0
Lane Shift/Crossover	0	0.0	0	0.0	0	0	0	0
Work on Shoulder/Median	0	0.0	0	0.0	0	0	0	0
Intermittent/Moving Work	0	0.0	0	0.0	0	0	0	0
Other	1	100.0	0	0.0	0	0	0	1
Uncoded & Errors	0	0.0	0	0.0	0	0	0	0
TOTAL	1	100.0	0	0.0	0	0	0	1

■ LANE CLOSURE
 ■ LANE SHIFT/CROSSOVER
 ■ WORK ON SHOULDER/MEDIAN
 ■ INTERMITTENT/MOVING WORK
 ■ OTHER
 ■ UNCODED & ERRORS



ALL CRASHES

One crash occurred in a utility construction zone in the Upper Peninsula in 2020 and it was a property damage only crash.