

## UPPER PENINSULA AGE AND INJURY SEVERITY BY PERSON TYPE

AGE	DRIVER			INJURED PASSENGER			MOTORCYCLIST			BICYCLIST			PEDESTRIAN		
	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured
0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0
1	0	0	0	5	0	5	0	0	0	0	0	0	0	0	0
2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
3	0	0	0	3	0	3	0	0	0	0	0	0	1	0	1
4	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0
5	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0
6	0	0	0	3	1	2	0	0	0	0	0	0	0	0	0
7	1	0	1	6	0	6	0	0	0	0	0	0	0	0	0
8	0	0	0	9	0	9	0	0	0	0	0	0	0	0	0
9	1	0	1	3	0	3	0	0	0	1	0	1	0	0	0
10	0	0	0	6	0	6	0	0	0	0	0	0	0	0	0
11	1	0	1	2	0	2	0	0	0	0	0	0	1	0	1
12	3	0	3	8	0	8	0	0	0	1	0	1	2	0	2
13	1	0	1	5	0	5	1	0	1	2	0	2	1	0	1
14	5	0	3	12	1	11	0	0	0	0	0	0	2	0	2
15	22	0	12	16	0	16	0	0	0	3	0	2	0	0	0
16	233	0	27	13	0	13	0	0	0	0	0	0	0	0	0
17	260	0	33	21	1	20	1	0	1	1	0	0	2	0	2
18	345	1	34	12	0	12	1	0	0	1	0	1	0	0	0
19	328	0	35	10	0	10	2	0	1	1	0	1	1	0	1
20	364	0	49	16	0	16	4	0	3	1	0	1	2	0	2
21	328	1	32	18	0	18	0	0	0	1	0	0	0	0	0
22	288	0	29	6	0	6	2	0	0	1	0	1	0	0	0
23	258	1	30	5	0	5	6	0	4	1	0	1	0	0	0
24	249	0	23	6	0	6	1	0	0	0	0	0	0	0	0
25	223	0	19	6	0	6	1	0	1	1	0	0	1	0	1
26	225	0	24	7	1	6	2	0	2	0	0	0	0	0	0
27	236	1	19	8	0	8	3	1	2	0	0	0	0	0	0
28	216	0	22	6	0	6	1	0	0	0	0	0	0	0	0
29	198	0	22	5	0	5	0	0	0	0	0	0	1	0	1
30	201	1	17	4	0	4	0	0	0	1	0	1	0	0	0
31	181	0	18	5	1	4	0	0	0	1	0	1	0	0	0
32	203	0	18	9	1	8	1	1	0	0	0	0	0	0	0
33	186	0	18	5	0	5	0	0	0	0	0	0	1	0	1
34	194	0	15	4	0	4	2	0	1	0	0	0	0	0	0
35	200	0	16	3	0	3	0	0	0	0	0	0	3	0	3
36	203	0	18	3	0	3	2	0	2	0	0	0	0	0	0
37	194	0	19	5	0	5	2	0	1	0	0	0	0	0	0

\*Driver age is calculated from birth date, and invalid date of birth entry errors result in age "0" drivers.

## UPPER PENINSULA AGE AND INJURY SEVERITY BY PERSON TYPE (CONTINUED)

AGE	DRIVER			INJURED PASSENGER			MOTORCYCLIST			BICYCLIST			PEDESTRIAN		
	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured
38	172	0	18	4	0	4	2	0	1	0	0	0	0	0	0
39	180	0	16	4	0	4	1	0	1	0	0	0	0	0	0
40	165	1	15	5	0	5	0	0	0	0	0	0	0	0	0
41	162	0	13	5	0	5	0	0	0	0	0	0	0	0	0
42	182	0	17	1	0	1	1	0	1	1	0	1	0	0	0
43	171	0	16	1	0	1	0	0	0	0	0	0	0	0	0
44	153	0	15	1	0	1	0	0	0	0	0	0	1	0	1
45	175	2	16	3	0	3	0	0	0	0	0	0	1	0	1
46	181	1	17	3	0	3	2	0	2	1	0	1	0	0	0
47	184	0	10	5	1	4	1	0	1	0	0	0	0	0	0
48	170	1	12	1	0	1	2	0	0	0	0	0	1	0	1
49	185	0	14	5	0	5	1	0	1	0	0	0	0	0	0
50	187	1	19	3	0	3	2	0	2	1	0	1	0	0	0
51	175	1	14	6	0	6	5	0	3	1	0	1	0	0	0
52	222	2	22	8	0	8	4	0	2	1	0	1	0	0	0
53	215	1	13	7	0	7	2	1	1	0	0	0	0	0	0
54	215	0	23	1	0	1	4	0	4	0	0	0	0	0	0
55	224	1	19	5	0	5	6	0	4	2	0	0	1	0	0
56	204	0	21	2	0	2	2	0	1	2	0	2	0	0	0
57	242	0	29	3	0	3	3	0	2	0	0	0	0	0	0
58	215	0	17	3	0	3	5	0	4	0	0	0	0	0	0
59	198	0	18	2	0	2	3	0	3	0	0	0	0	0	0
60	223	1	15	1	0	1	1	0	0	0	0	0	0	0	0
61	212	1	15	4	0	4	4	0	3	0	0	0	0	0	0
62	186	0	17	4	0	4	5	0	4	0	0	0	2	0	2
63	187	2	11	10	1	9	4	0	4	0	0	0	0	0	0
64	150	0	15	4	0	4	2	0	2	0	0	0	1	0	1
65	156	0	14	4	0	4	1	0	1	0	0	0	0	0	0
66	143	0	13	4	0	4	1	0	0	0	0	0	1	0	1
67	127	1	10	4	0	4	0	0	0	0	0	0	0	0	0
68	141	0	16	1	0	1	2	0	1	1	0	1	0	0	0
69	130	1	11	4	0	4	5	1	3	0	0	0	0	0	0
70	152	0	18	3	0	3	2	0	2	0	0	0	1	0	1
71	123	0	7	0	0	0	0	0	0	0	0	0	0	0	0
72	102	0	7	3	0	3	1	0	1	1	0	1	0	0	0
73	88	1	4	0	0	0	1	0	0	0	0	0	0	0	0
74	87	0	8	2	0	2	0	0	0	0	0	0	1	0	1
75	83	0	9	1	0	1	0	0	0	0	0	0	0	0	0
76	52	1	10	7	0	7	0	0	0	0	0	0	0	0	0

## UPPER PENINSULA AGE AND INJURY SEVERITY BY PERSON TYPE (CONTINUED)

AGE	DRIVER			INJURED PASSENGER			MOTORCYCLIST			BICYCLIST			PEDESTRIAN		
	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured
77	58	0	6	3	1	2	0	0	0	0	0	0	0	0	0
78	73	0	7	3	0	3	0	0	0	0	0	0	0	0	0
79	52	0	6	0	0	0	0	0	0	0	0	0	0	0	0
80	43	0	4	3	1	2	0	0	0	0	0	0	0	0	0
81	55	0	3	1	0	1	0	0	0	1	0	1	0	0	0
82	42	1	1	2	0	2	0	0	0	0	0	0	0	0	0
83	36	0	3	0	0	0	0	0	0	0	0	0	0	0	0
84	32	1	4	2	1	1	1	0	1	0	0	0	0	0	0
85	28	0	5	3	0	3	0	0	0	0	0	0	0	0	0
86	20	0	2	3	0	3	0	0	0	0	0	0	0	0	0
87	23	1	6	0	0	0	0	0	0	0	0	0	0	0	0
88	13	0	2	1	0	1	0	0	0	0	0	0	0	0	0
89	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0
90	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	17	0	3	1	0	1	0	0	0	0	0	0	0	0	0
92	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	5	0	3	0	0	0	0	0	0	0	0	0	0	0	0
94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
97	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown	659	0	0	4	0	4	2	0	0	0	0	0	2	0	2
TOTAL	13,050	28	1,189	424	11	413	110	4	74	29	0	23	30	0	29
	* Includes 708 drivers with unknown injury severity and 11,125 with no injury						*Includes 2 motorcyclists with unknown injury severity and 30 with no injury			*Includes 1 bicyclist with unknown injury severity and 5 with no injury			*Includes 1 pedestrian with no injury		

## UPPER PENINSULA DRIVER AGE 16-20

DRIVER ACTION PRIOR TO CRASH	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Going straight ahead	1,028	67.2	3	75.0	216	69.9
Turning left	95	6.2	0	0.0	24	7.8
Turning right	57	3.7	0	0.0	4	1.3
Stopped on roadway	53	3.5	0	0.0	9	2.9
In prior crash	0	0.0	0	0.0	0	0.0
Changing lanes	18	1.2	0	0.0	3	1.0
Backing	34	2.2	0	0.0	1	0.3
Slowing/stopping on roadway	93	6.1	0	0.0	15	4.9
Slowing/stopping other	3	0.2	0	0.0	1	0.3
Starting up on roadway	19	1.2	0	0.0	5	1.6
Starting up other	3	0.2	0	0.0	0	0.0
Entering parking	0	0.0	0	0.0	0	0.0
Leaving parking	7	0.5	0	0.0	3	1.0
Entering roadway	21	1.4	0	0.0	6	1.9
Leaving roadway	3	0.2	0	0.0	0	0.0
Making U-turn	0	0.0	0	0.0	0	0.0
Overtaking or passing	25	1.6	1	25.0	5	1.6
Avoiding object	1	0.1	0	0.0	1	0.3
Avoiding pedestrian	1	0.1	0	0.0	0	0.0
Avoiding vehicle (front/back)	8	0.5	0	0.0	2	0.6
Avoiding vehicle (angle)	2	0.1	0	0.0	0	0.0
Driverless moving	0	0.0	0	0.0	0	0.0
Parked	7	0.5	0	0.0	1	0.3
Crossing at intersection	0	0.0	0	0.0	0	0.0
Crossing not at intersection	0	0.0	0	0.0	0	0.0
Getting on/off vehicle	0	0.0	0	0.0	0	0.0
In roadway with traffic	0	0.0	0	0.0	0	0.0
In roadway against traffic	0	0.0	0	0.0	0	0.0
Standing/lying in roadway	0	0.0	0	0.0	0	0.0
Pushing/working on vehicle	0	0.0	0	0.0	0	0.0
Other working in roadway	0	0.0	0	0.0	0	0.0
Playing in roadway	0	0.0	0	0.0	0	0.0
In roadway other reason	0	0.0	0	0.0	0	0.0
Not in roadway	0	0.0	0	0.0	0	0.0
Other	3	0.2	0	0.0	1	0.3
Unknown	2	0.1	0	0.0	2	0.6
Avoiding animal	12	0.8	0	0.0	4	1.3
Negotiating a curve	33	2.2	0	0.0	5	1.6
Uncoded & Errors	2	0.1	0	0.0	1	0.3
<b>TOTAL</b>	<b>1,530</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>309</b>	<b>100.0</b>

## UPPER PENINSULA DRIVER AGE 16-20 (CONTINUED)

MOST HARMFUL EVENT IN A NONCOLLISION	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Loss of control	22	1.4	0	0.0	3	1.0
Cross center/median	2	0.1	0	0.0	1	0.3
Ran off road left	8	0.5	0	0.0	0	0.0
Ran off road right	16	1.0	0	0.0	3	1.0
Re-enter road	2	0.1	0	0.0	0	0.0
Overturn	93	6.1	0	0.0	32	10.4
Separation of units	2	0.1	0	0.0	1	0.3
Fire/explosion	3	0.2	0	0.0	0	0.0
Immersion	0	0.0	0	0.0	0	0.0
Jackknife	0	0.0	0	0.0	0	0.0
Downhill runaway	0	0.0	0	0.0	0	0.0
Cargo loss/shift	1	0.1	0	0.0	0	0.0
Individual fell off	4	0.3	0	0.0	4	1.3
Other noncollision	1	0.1	0	0.0	0	0.0
<b>SUBTOTAL</b>	<b>154</b>	<b>10.1</b>	<b>0</b>	<b>0.0</b>	<b>44</b>	<b>14.2</b>

For drivers age 16-20 in the Upper Peninsula, an overturn is the most harmful event in a noncollision with the highest proportion of all crashes (6.1%) and injury crashes (10.4%).

MOST HARMFUL EVENT IN A COLLISION WITH A NONFIXED OBJECT	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Pedestrian	6	0.4	0	0.0	6	1.9
Bicyclist	3	0.2	0	0.0	1	0.3
Motor vehicle in transport	796	52.0	4	100.0	193	62.5
Parked motor vehicle	40	2.6	0	0.0	3	1.0
Railway train	0	0.0	0	0.0	0	0.0
Animal	247	16.1	0	0.0	6	1.9
Other nonfixed objects	6	0.4	0	0.0	1	0.3
<b>SUBTOTAL</b>	<b>1,098</b>	<b>71.8</b>	<b>4</b>	<b>100.0</b>	<b>210</b>	<b>68.0</b>

## UPPER PENINSULA DRIVER AGE 16-20 (CONTINUED)

MOST HARMFUL EVENT IN A COLLISION WITH A FIXED OBJECT	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Bridge/pier/abutment	0	0.0	0	0.0	0	0.0
Bridge rail	3	0.2	0	0.0	1	0.3
Guardrail face	17	1.1	0	0.0	1	0.3
Guardrail end	2	0.1	0	0.0	1	0.3
Median barrier	0	0.0	0	0.0	0	0.0
Highway traffic sign post	25	1.6	0	0.0	4	1.3
Highway signal post	0	0.0	0	0.0	0	0.0
Luminaire/light support	30	2.0	0	0.0	10	3.2
Other pole	11	0.7	0	0.0	1	0.3
Culvert	4	0.3	0	0.0	0	0.0
Curb	7	0.5	0	0.0	1	0.3
Ditch	42	2.7	0	0.0	6	1.9
Embankment	19	1.2	0	0.0	4	1.3
Fence	0	0.0	0	0.0	0	0.0
Mailbox	11	0.7	0	0.0	0	0.0
Tree	81	5.3	0	0.0	21	6.8
Rail crossing signal	0	0.0	0	0.0	0	0.0
Building	2	0.1	0	0.0	0	0.0
Traffic island	0	0.0	0	0.0	0	0.0
Fire hydrant	3	0.2	0	0.0	0	0.0
Impact attenuator	0	0.0	0	0.0	0	0.0
Other fixed object	12	0.8	0	0.0	4	1.3
<b>SUBTOTAL</b>	<b>269</b>	<b>17.6</b>	<b>0</b>	<b>0.0</b>	<b>54</b>	<b>17.5</b>

For drivers age 16-20 in the Upper Peninsula, a tree is the fixed object associated with the highest proportion of all crashes (5.3%) and injury crashes (6.8%).

	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Uncoded & Errors	9	0.6	0	0.0	1	0.3
No event coded as most harmful	0	0.0	0	0.0	0	0.0
<b>TOTAL</b>	<b>1,530</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>309</b>	<b>100.0</b>

## UPPER PENINSULA DRIVER AGE 16-20 (CONTINUED)

CRASH TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Single Vehicle	661	43.2	0	0.0	104	33.7
Head On	17	1.1	1	25.0	8	2.6
Head On - Left Turn	32	2.1	0	0.0	10	3.2
Angle	241	15.8	2	50.0	61	19.7
Rear End	300	19.6	0	0.0	75	24.3
Rear End - Left Turn	45	2.9	0	0.0	11	3.6
Rear End - Right Turn	16	1.0	0	0.0	2	0.6
Sideswipe - Same Direction	84	5.5	0	0.0	12	3.9
Sideswipe - Opposite Direction	36	2.4	0	0.0	10	3.2
Backing	16	1.0	0	0.0	0	0.0
Other	77	5.0	0	0.0	15	4.9
Unknown	5	0.3	1	25.0	1	0.3
Uncoded & Errors	0	0.0	0	0.0	0	0.0
<b>TOTAL</b>	<b>1,530</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>309</b>	<b>100.0</b>

Based on crash type, drivers age 16-20 in the Upper Peninsula are involved in the largest proportion of single vehicle crashes for all crashes (43.2%) and injury crashes (33.7%).

RELATIONSHIP TO ROADWAY (LOCATION OF FIRST IMPACT)	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
On Road	1,166	76.2	3	75.0	231	74.8
Median	9	0.6	0	0.0	3	1.0
Shoulder	126	8.2	0	0.0	27	8.7
Outside of Shoulder/Curb	187	12.2	1	25.0	40	12.9
Gore	11	0.7	0	0.0	3	1.0
On-Street Parking	18	1.2	0	0.0	1	0.3
Off the Roadway	2	0.1	0	0.0	0	0.0
On the Sidewalk	0	0.0	0	0.0	0	0.0
In the Bicycle Lane	0	0.0	0	0.0	0	0.0
Other/Unknown	10	0.7	0	0.0	3	1.0
Uncoded & Errors	1	0.1	0	0.0	1	0.3
<b>TOTAL</b>	<b>1,530</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>309</b>	<b>100.0</b>

Other than on the road crashes, drivers age 16-20 in the Upper Peninsula have the highest proportion where the first impact is outside the shoulder/curb for all crashes (12.2%) and injury crashes (12.9%). The highest proportion of fatal crashes occurred on the road (75%).

ROADWAY TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Interstate Routes	86	5.6	0	0.0	16	5.2
U.S. & Michigan Roads	737	48.2	3	75.0	155	50.2
County & City Roads	689	45.0	1	25.0	133	43.0
Uncoded & Errors	18	1.2	0	0.0	5	1.6
<b>TOTAL</b>	<b>1,530</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>309</b>	<b>100.0</b>

## UPPER PENINSULA DRIVER AGE 16-20 (CONTINUED)

TIME OF DAY	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
12:00 AM - 2:59 AM	70	4.6	0	0.0	16	5.2
3:00 AM - 5:59 AM	28	1.8	0	0.0	4	1.3
6:00 AM - 8:59 AM	137	9.0	0	0.0	26	8.4
9:00 AM - 11:59 AM	176	11.5	3	75.0	30	9.7
12:00 PM - 2:59 PM	315	20.6	1	25.0	76	24.6
3:00 PM - 5:59 PM	352	23.0	0	0.0	73	23.6
6:00 PM - 8:59 PM	265	17.3	0	0.0	55	17.8
9:00 PM - 11:59 PM	186	12.2	0	0.0	29	9.4
Unknown	1	0.1	0	0.0	0	0.0
<b>TOTAL</b>	<b>1,530</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>309</b>	<b>100.0</b>

For drivers age 16-20 in the Upper Peninsula, the 3:00 - 5:59 PM time period has the highest proportion of all crashes (23.0%), while the noon - 2:59 PM time period has the highest proportion of injury crashes (24.6%).

HAZARDOUS ACTION	ALL CRASHES		FATAL CRASHES		INJURY CRASHES		HAZARDOUS CITATION ISSUED	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
None	584	38.2	2	50.0	89	28.8	2	0.7
Speed too fast	310	20.3	1	25.0	59	19.1	99	33.2
Speed too slow	1	0.1	0	0.0	0	0.0	0	0.0
Failed to yield	143	9.3	0	0.0	44	14.2	62	20.8
Disregard traffic control	21	1.4	0	0.0	6	1.9	9	3.0
Drove wrong way	0	0.0	0	0.0	0	0.0	0	0.0
Drove left of center	6	0.4	0	0.0	2	0.6	2	0.7
Improper passing	8	0.5	0	0.0	0	0.0	0	0.0
Improper lane use	15	1.0	0	0.0	3	1.0	3	1.0
Improper turn	10	0.7	0	0.0	0	0.0	0	0.0
Improper/no signal	3	0.2	0	0.0	1	0.3	2	0.7
Improper backing	24	1.6	0	0.0	0	0.0	1	0.3
Unable to stop in assured clear distance	216	14.1	0	0.0	49	15.9	54	18.1
Other	52	3.4	0	0.0	13	4.2	16	5.4
Unknown	28	1.8	1	25.0	9	2.9	0	0.0
Reckless driving	13	0.8	0	0.0	6	1.9	5	1.7
Careless/negligent driving	95	6.2	0	0.0	28	9.1	43	14.4
Uncoded & Errors	1	0.1	0	0.0	0	0.0	0	0.0
<b>TOTAL</b>	<b>1,530</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>309</b>	<b>100.0</b>	<b>298</b>	<b>100.0</b>

Other than no hazardous action, the second highest known hazardous action category for drivers age 16-20 in the Upper Peninsula is speed too fast for all crashes (20.3%), fatal crashes (25.0%), and injury crashes (19.1%).



## UPPER PENINSULA DRIVER AGE 16-20 (CONTINUED)

DAY OF WEEK	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Monday	153	10.0	0	0.0	38	12.3
Tuesday	212	13.9	1	25.0	52	16.8
Wednesday	211	13.8	0	0.0	46	14.9
Thursday	252	16.5	0	0.0	42	13.6
Friday	282	18.4	1	25.0	51	16.5
Saturday	221	14.4	2	50.0	44	14.2
Sunday	199	13.0	0	0.0	36	11.7
TOTAL	1,530	100.0	4	100.0	309	100.0

DRIVER GENDER	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Male	846	55.3	2	50.0	178	57.6
Female	683	44.6	2	50.0	131	42.4
Uncoded & Errors	1	0.1	0	0.0	0	0.0
TOTAL	1,530	100.0	4	100.0	309	100.0

For drivers age 16-20 in the Upper Peninsula, there is a greater proportion of female drivers in all crashes than in both the 21-64 and 65 and over age groups. In this group, male drivers and female drivers both account for 50.0% in fatal crashes.

NUMBER OF OCCUPANTS	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
1 occupant	1,113	72.7	3	75.0	197	63.8
2 occupants	298	19.5	1	25.0	69	22.3
3 occupants	77	5.0	0	0.0	31	10.0
4 occupants	31	2.0	0	0.0	10	3.2
5 occupants	7	0.5	0	0.0	2	0.6
6+ occupants	2	0.1	0	0.0	0	0.0
0 occupants	2	0.1	0	0.0	0	0.0
Uncoded & Errors	0	0.0	0	0.0	0	0.0
TOTAL	1,530	100.0	4	100.0	309	100.0

## UPPER PENINSULA DRIVER AGE 16-20 (CONTINUED)

VEHICLE TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Passenger car, SUV, van	1,193	78.0	3	75.0	229	74.1
Motor home	2	0.1	0	0.0	1	0.3
Pickup truck	293	19.2	0	0.0	61	19.7
Small Truck under 10,000 lbs. GVWR	8	0.5	0	0.0	1	0.3
Motorcycle	8	0.5	0	0.0	5	1.6
Moped / goped	3	0.2	0	0.0	3	1.0
Go-cart / golf cart	1	0.1	0	0.0	0	0.0
Snowmobile	5	0.3	1	25.0	2	0.6
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	9	0.6	0	0.0	7	2.3
Other	3	0.2	0	0.0	0	0.0
Unknown	1	0.1	0	0.0	0	0.0
CDL Truck/Bus (breakdown below)	4	0.3	0	0.0	0	0.0
<b>TOTAL</b>	<b>1,530</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>309</b>	<b>100.0</b>

HEAVY TRUCK/BUS GROSS VEHICLE WEIGHT RATING	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
10,000 lbs. or less	1	25.0	0	0.0	0	0.0
10,001 - 26,000 lbs.	0	0.0	0	0.0	0	0.0
Greater than 26,000 lbs.	3	75.0	0	0.0	0	0.0
Uncoded & Errors	0	0.0	0	0.0	0	0.0
<b>TOTAL</b>	<b>4</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>

## UPPER PENINSULA DRIVER AGE 21-64

DRIVER ACTION PRIOR TO CRASH	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Going straight ahead	6,304	70.7	27	77.1	815	64.0
Turning left	414	4.6	0	0.0	103	8.1
Turning right	220	2.5	0	0.0	25	2.0
Stopped on roadway	429	4.8	1	2.9	82	6.4
In prior crash	8	0.1	0	0.0	1	0.1
Changing lanes	64	0.7	0	0.0	5	0.4
Backing	273	3.1	0	0.0	5	0.4
Slowing/stopping on roadway	478	5.4	1	2.9	98	7.7
Slowing/stopping other	19	0.2	0	0.0	5	0.4
Starting up on roadway	122	1.4	0	0.0	17	1.3
Starting up other	0	0.0	0	0.0	0	0.0
Entering parking	20	0.2	1	2.9	1	0.1
Leaving parking	39	0.4	0	0.0	7	0.5
Entering roadway	100	1.1	2	5.7	22	1.7
Leaving roadway	12	0.1	1	2.9	3	0.2
Making U-turn	16	0.2	0	0.0	1	0.1
Overtaking or passing	57	0.6	0	0.0	13	1.0
Avoiding object	8	0.1	1	2.9	2	0.2
Avoiding pedestrian	1	0.0	0	0.0	0	0.0
Avoiding vehicle (front/back)	58	0.7	0	0.0	17	1.3
Avoiding vehicle (angle)	21	0.2	0	0.0	5	0.4
Driverless moving	4	0.0	0	0.0	0	0.0
Parked	58	0.7	0	0.0	5	0.4
Crossing at intersection	3	0.0	0	0.0	1	0.1
Crossing not at intersection	0	0.0	0	0.0	0	0.0
Getting on/off vehicle	0	0.0	0	0.0	0	0.0
In roadway with traffic	0	0.0	0	0.0	0	0.0
In roadway against traffic	0	0.0	0	0.0	0	0.0
Standing/lying in roadway	1	0.0	0	0.0	0	0.0
Pushing/working on vehicle	0	0.0	0	0.0	0	0.0
Other working in roadway	0	0.0	0	0.0	0	0.0
Playing in roadway	0	0.0	0	0.0	0	0.0
In roadway other reason	0	0.0	0	0.0	0	0.0
Not in roadway	0	0.0	0	0.0	0	0.0
Other	16	0.2	0	0.0	4	0.3
Unknown	13	0.1	0	0.0	1	0.1
Avoiding animal	61	0.7	1	2.9	5	0.4
Negotiating a curve	96	1.1	0	0.0	30	2.4
Uncoded & Errors	3	0.0	0	0.0	1	0.1
<b>TOTAL</b>	<b>8,918</b>	<b>100.0</b>	<b>35</b>	<b>100.0</b>	<b>1,274</b>	<b>100.0</b>

## UPPER PENINSULA DRIVER AGE 21-64 (CONTINUED)

MOST HARMFUL EVENT IN A NONCOLLISION	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Loss of control	63	0.7	0	0.0	13	1.0
Cross center/median	12	0.1	0	0.0	4	0.3
Ran off road left	42	0.5	0	0.0	8	0.6
Ran off road right	61	0.7	0	0.0	9	0.7
Re-enter road	1	0.0	0	0.0	0	0.0
Overtake	228	2.6	5	14.3	85	6.7
Separation of units	5	0.1	0	0.0	1	0.1
Fire/explosion	14	0.2	0	0.0	3	0.2
Immersion	3	0.0	0	0.0	0	0.0
Jackknife	9	0.1	0	0.0	1	0.1
Downhill runaway	0	0.0	0	0.0	0	0.0
Cargo loss/shift	12	0.1	0	0.0	1	0.1
Individual fell off	16	0.2	0	0.0	16	1.3
Other noncollision	27	0.3	1	2.9	6	0.5
<b>SUBTOTAL</b>	<b>493</b>	<b>5.5</b>	<b>6</b>	<b>17.1</b>	<b>147</b>	<b>11.5</b>

For drivers age 21-64 in the Upper Peninsula, an overturn is the most harmful event in a noncollision with the highest proportion of all crashes (2.6%), fatal crashes (14.3%), and injury crashes (6.7%).

MOST HARMFUL EVENT IN A COLLISION WITH A NONFIXED OBJECT	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Pedestrian	13	0.1	0	0.0	12	0.9
Bicyclist	16	0.2	0	0.0	12	0.9
Motor vehicle in transport	3,807	42.7	18	51.4	801	62.9
Parked motor vehicle	282	3.2	0	0.0	20	1.6
Railway train	5	0.1	0	0.0	3	0.2
Animal	3,216	36.1	1	2.9	54	4.2
Other nonfixed objects	77	0.9	1	2.9	8	0.6
<b>SUBTOTAL</b>	<b>7,416</b>	<b>83.2</b>	<b>20</b>	<b>57.1</b>	<b>910</b>	<b>71.4</b>

## UPPER PENINSULA DRIVER AGE 21-64 (CONTINUED)

MOST HARMFUL EVENT IN A COLLISION WITH A FIXED OBJECT	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Bridge/pier/abutment	3	0.0	0	0.0	1	0.1
Bridge rail	21	0.2	0	0.0	4	0.3
Guardrail face	73	0.8	0	0.0	17	1.3
Guardrail end	13	0.1	0	0.0	2	0.2
Median barrier	8	0.1	0	0.0	1	0.1
Highway traffic sign post	68	0.8	0	0.0	7	0.5
Highway signal post	1	0.0	0	0.0	0	0.0
Luminaire/light support	90	1.0	0	0.0	17	1.3
Other pole	14	0.2	0	0.0	1	0.1
Culvert	14	0.2	0	0.0	6	0.5
Curb	20	0.2	0	0.0	2	0.2
Ditch	164	1.8	0	0.0	44	3.5
Embankment	65	0.7	1	2.9	15	1.2
Fence	13	0.1	0	0.0	0	0.0
Mailbox	32	0.4	0	0.0	0	0.0
Tree	284	3.2	5	14.3	84	6.6
Rail crossing signal	1	0.0	0	0.0	0	0.0
Building	14	0.2	1	2.9	4	0.3
Traffic island	1	0.0	0	0.0	0	0.0
Fire hydrant	9	0.1	0	0.0	1	0.1
Impact attenuator	2	0.0	0	0.0	0	0.0
Other fixed object	34	0.4	1	2.9	4	0.3
<b>SUBTOTAL</b>	<b>944</b>	<b>10.6</b>	<b>8</b>	<b>22.9</b>	<b>210</b>	<b>16.5</b>

For drivers age 21-64 in the Upper Peninsula, a tree is the fixed object associated with the highest proportion of all crashes (3.2%), fatal crashes (14.3%), and injury crashes (6.6%).

	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Uncoded & Errors	59	0.7	1	2.9	5	0.4
No event coded as most harmful	6	0.1	0	0.0	2	0.2
<b>TOTAL</b>	<b>8,918</b>	<b>100.0</b>	<b>35</b>	<b>100.0</b>	<b>1,274</b>	<b>100.0</b>

## UPPER PENINSULA DRIVER AGE 21-64 (CONTINUED)

CRASH TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Single Vehicle	4,596	51.5	16	45.7	409	32.1
Head On	120	1.3	5	14.3	44	3.5
Head On - Left Turn	176	2.0	0	0.0	54	4.2
Angle	1,160	13.0	6	17.1	265	20.8
Rear End	1,369	15.4	4	11.4	287	22.5
Rear End - Left Turn	135	1.5	0	0.0	35	2.7
Rear End - Right Turn	64	0.7	0	0.0	7	0.5
Sideswipe - Same Direction	472	5.3	0	0.0	33	2.6
Sideswipe - Opposite Direction	186	2.1	0	0.0	42	3.3
Backing	154	1.7	0	0.0	4	0.3
Other	463	5.2	3	8.6	91	7.1
Unknown	23	0.3	1	2.9	3	0.2
Uncoded & Errors	0	0.0	0	0.0	0	0.0
<b>TOTAL</b>	<b>8,918</b>	<b>100.0</b>	<b>35</b>	<b>100.0</b>	<b>1,274</b>	<b>100.0</b>

Based on crash type, drivers age 21-64 in the Upper Peninsula are involved in the largest proportion of single vehicle crashes for all crashes (51.5%), fatal crashes (45.7%), and injury crashes (32.1%).

RELATIONSHIP TO ROADWAY (LOCATION OF FIRST IMPACT)	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
On Road	7,669	86.0	24	68.6	1,010	79.3
Median	45	0.5	0	0.0	11	0.9
Shoulder	398	4.5	4	11.4	82	6.4
Outside of Shoulder/Curb	636	7.1	7	20.0	153	12.0
Gore	19	0.2	0	0.0	3	0.2
On-Street Parking	97	1.1	0	0.0	4	0.3
Off the Roadway	4	0.0	0	0.0	2	0.2
On the Sidewalk	10	0.1	0	0.0	2	0.2
In the Bicycle Lane	0	0.0	0	0.0	0	0.0
Other/Unknown	32	0.4	0	0.0	6	0.5
Uncoded & Errors	8	0.1	0	0.0	1	0.1
<b>TOTAL</b>	<b>8,918</b>	<b>100.0</b>	<b>35</b>	<b>100.0</b>	<b>1,274</b>	<b>100.0</b>

Other than on the road crashes, drivers age 21-64 in the Upper Peninsula have the highest proportion where the first impact is outside the shoulder/curb for all crashes (7.1%), fatal crashes (20.0%), and injury crashes (12.0%).

ROADWAY TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Interstate Routes	405	4.5	1	2.9	71	5.6
U.S. & Michigan Roads	4,885	54.8	18	51.4	702	55.1
County & City Roads	3,552	39.8	16	45.7	484	38.0
Uncoded & Errors	76	0.9	0	0.0	17	1.3
<b>TOTAL</b>	<b>8,918</b>	<b>100.0</b>	<b>35</b>	<b>100.0</b>	<b>1,274</b>	<b>100.0</b>

## UPPER PENINSULA DRIVER AGE 21-64 (CONTINUED)

TIME OF DAY	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
12:00 AM - 2:59 AM	374	4.2	4	11.4	54	4.2
3:00 AM - 5:59 AM	376	4.2	0	0.0	35	2.7
6:00 AM - 8:59 AM	1,293	14.5	5	14.3	124	9.7
9:00 AM - 11:59 AM	1,229	13.8	3	8.6	223	17.5
12:00 PM - 2:59 PM	1,576	17.7	7	20.0	309	24.3
3:00 PM - 5:59 PM	1,743	19.5	5	14.3	279	21.9
6:00 PM - 8:59 PM	1,426	16.0	6	17.1	178	14.0
9:00 PM - 11:59 PM	895	10.0	5	14.3	72	5.7
Unknown	6	0.1	0	0.0	0	0.0
<b>TOTAL</b>	<b>8,918</b>	<b>100.0</b>	<b>35</b>	<b>100.0</b>	<b>1,274</b>	<b>100.0</b>

For drivers age 21-64 in the Upper Peninsula, the 3:00 - 5:59 PM time period has the highest proportion of all crashes (19.5%).

The 12:00 - 2:59 PM time period has the highest proportion of fatal crashes (20.0%) and injury crashes (24.3%).

HAZARDOUS ACTION	ALL CRASHES		FATAL CRASHES		INJURY CRASHES		HAZARDOUS CITATION ISSUED	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
None	5,699	63.9	14	40.0	615	48.3	11	1.3
Speed too fast	770	8.6	9	25.7	166	13.0	218	24.8
Speed too slow	6	0.1	0	0.0	1	0.1	1	0.1
Failed to yield	538	6.0	3	8.6	123	9.7	190	21.6
Disregard traffic control	64	0.7	1	2.9	25	2.0	35	4.0
Drove wrong way	3	0.0	0	0.0	1	0.1	1	0.1
Drove left of center	34	0.4	0	0.0	16	1.3	10	1.1
Improper passing	27	0.3	0	0.0	5	0.4	10	1.1
Improper lane use	66	0.7	0	0.0	7	0.5	13	1.5
Improper turn	73	0.8	0	0.0	6	0.5	10	1.1
Improper/no signal	6	0.1	0	0.0	1	0.1	0	0.0
Improper backing	182	2.0	0	0.0	4	0.3	13	1.5
Unable to stop in assured clear distance	610	6.8	2	5.7	101	7.9	130	14.8
Other	277	3.1	2	5.7	51	4.0	51	5.8
Unknown	178	2.0	1	2.9	26	2.0	6	0.7
Reckless driving	49	0.5	0	0.0	27	2.1	21	2.4
Careless/negligent driving	321	3.6	3	8.6	94	7.4	157	17.8
Uncoded & Errors	15	0.2	0	0.0	5	0.4	3	0.3
<b>TOTAL</b>	<b>8,918</b>	<b>100.0</b>	<b>35</b>	<b>100.0</b>	<b>1,274</b>	<b>100.0</b>	<b>880</b>	<b>100.0</b>

After no hazardous action, the second highest hazardous action category for drivers age 21-64 in the Upper Peninsula for all crashes (8.6%), fatal crashes (25.7%), and injury crashes (13.0%) occurs when the driver's speed is too fast.

## UPPER PENINSULA DRIVER AGE 21-64 (CONTINUED)

DAY OF WEEK	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Monday	1,183	13.3	6	17.1	160	12.6
Tuesday	1,328	14.9	4	11.4	179	14.1
Wednesday	1,355	15.2	7	20.0	192	15.1
Thursday	1,362	15.3	4	11.4	182	14.3
Friday	1,526	17.1	9	25.7	214	16.8
Saturday	1,174	13.2	3	8.6	206	16.2
Sunday	990	11.1	2	5.7	141	11.1
TOTAL	8,918	100.0	35	100.0	1,274	100.0

DRIVER GENDER	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Male	5,249	58.9	28	80.0	727	57.1
Female	3,668	41.1	7	20.0	547	42.9
Uncoded & Errors	1	0.0	0	0.0	0	0.0
TOTAL	8,918	100.0	35	100.0	1,274	100.0

For drivers age 21-64 in the Upper Peninsula, male drivers (80.0%) account for four times that of female drivers (20.0%) in fatal crashes.

NUMBER OF OCCUPANTS	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
1 occupant	6,917	77.6	24	68.6	889	69.8
2 occupants	1,383	15.5	7	20.0	255	20.0
3 occupants	330	3.7	0	0.0	73	5.7
4 occupants	165	1.9	4	11.4	26	2.0
5 occupants	49	0.5	0	0.0	14	1.1
6+ occupants	33	0.4	0	0.0	9	0.7
0 occupants	33	0.4	0	0.0	4	0.3
Uncoded & Errors	8	0.1	0	0.0	4	0.3
TOTAL	8,918	100.0	35	100.0	1,274	100.0



## UPPER PENINSULA DRIVER AGE 21-64 (CONTINUED)

VEHICLE TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Passenger car, SUV, van	6,301	70.7	13	37.1	841	66.0
Motor home	13	0.1	0	0.0	0	0.0
Pickup truck	2,014	22.6	6	17.1	263	20.6
Small Truck under 10,000 lbs. GVWR	79	0.9	1	2.9	9	0.7
Motorcycle	73	0.8	3	8.6	54	4.2
Moped / goped	5	0.1	0	0.0	5	0.4
Go-cart / golf cart	1	0.0	0	0.0	1	0.1
Snowmobile	40	0.4	3	8.6	22	1.7
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	38	0.4	3	8.6	27	2.1
Other	56	0.6	1	2.9	8	0.6
Unknown	1	0.0	0	0.0	0	0.0
CDL Truck/Bus (breakdown below)	297	3.3	5	14.3	44	3.5
<b>TOTAL</b>	<b>8,918</b>	<b>100.0</b>	<b>35</b>	<b>100.0</b>	<b>1,274</b>	<b>100.0</b>

HEAVY TRUCK/BUS GROSS VEHICLE WEIGHT RATING	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
10,000 lbs. or less	6	2.0	0	0.0	0	0.0
10,001 - 26,000 lbs.	74	24.9	1	20.0	14	31.8
Greater than 26,000 lbs.	217	73.1	4	80.0	30	68.2
Uncoded & Errors	0	0.0	0	0.0	0	0.0
<b>TOTAL</b>	<b>297</b>	<b>100.0</b>	<b>5</b>	<b>100.0</b>	<b>44</b>	<b>100.0</b>

## UPPER PENINSULA DRIVER AGE 65 AND OVER

DRIVER ACTION PRIOR TO CRASH	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Going straight ahead	1,268	66.4	5	45.5	176	62.2
Turning left	132	6.9	2	18.2	34	12.0
Turning right	52	2.7	1	9.1	8	2.8
Stopped on roadway	86	4.5	0	0.0	18	6.4
In prior crash	1	0.1	0	0.0	1	0.4
Changing lanes	39	2.0	1	9.1	2	0.7
Backing	67	3.5	0	0.0	0	0.0
Slowing/stopping on roadway	91	4.8	1	9.1	15	5.3
Slowing/stopping other	2	0.1	0	0.0	0	0.0
Starting up on roadway	35	1.8	1	9.1	6	2.1
Starting up other	0	0.0	0	0.0	0	0.0
Entering parking	5	0.3	0	0.0	0	0.0
Leaving parking	12	0.6	0	0.0	1	0.4
Entering roadway	42	2.2	0	0.0	11	3.9
Leaving roadway	3	0.2	0	0.0	1	0.4
Making U-turn	9	0.5	0	0.0	2	0.7
Overtaking or passing	14	0.7	0	0.0	0	0.0
Avoiding object	0	0.0	0	0.0	0	0.0
Avoiding pedestrian	0	0.0	0	0.0	0	0.0
Avoiding vehicle (front/back)	6	0.3	0	0.0	0	0.0
Avoiding vehicle (angle)	3	0.2	0	0.0	0	0.0
Driverless moving	0	0.0	0	0.0	0	0.0
Parked	19	1.0	0	0.0	1	0.4
Crossing at intersection	0	0.0	0	0.0	0	0.0
Crossing not at intersection	0	0.0	0	0.0	0	0.0
Getting on/off vehicle	0	0.0	0	0.0	0	0.0
In roadway with traffic	0	0.0	0	0.0	0	0.0
In roadway against traffic	0	0.0	0	0.0	0	0.0
Standing/lying in roadway	0	0.0	0	0.0	0	0.0
Pushing/working on vehicle	0	0.0	0	0.0	0	0.0
Other working in roadway	0	0.0	0	0.0	0	0.0
Playing in roadway	0	0.0	0	0.0	0	0.0
In roadway other reason	0	0.0	0	0.0	0	0.0
Not in roadway	0	0.0	0	0.0	0	0.0
Other	2	0.1	0	0.0	2	0.7
Unknown	0	0.0	0	0.0	0	0.0
Avoiding animal	6	0.3	0	0.0	2	0.7
Negotiating a curve	13	0.7	0	0.0	3	1.1
Uncoded & Errors	2	0.1	0	0.0	0	0.0
TOTAL	1,909	100.0	11	100.0	283	100.0

## UPPER PENINSULA DRIVER AGE 65 AND OVER (CONTINUED)

MOST HARMFUL EVENT IN A NONCOLLISION	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Loss of control	6	0.3	0	0.0	1	0.4
Cross center/median	3	0.2	0	0.0	0	0.0
Ran off road left	9	0.5	0	0.0	3	1.1
Ran off road right	13	0.7	0	0.0	3	1.1
Re-enter road	2	0.1	0	0.0	1	0.4
Overturn	27	1.4	0	0.0	12	4.2
Separation of units	1	0.1	0	0.0	0	0.0
Fire/explosion	1	0.1	0	0.0	0	0.0
Immersion	0	0.0	0	0.0	0	0.0
Jackknife	1	0.1	0	0.0	0	0.0
Downhill runaway	1	0.1	0	0.0	0	0.0
Cargo loss/shift	3	0.2	0	0.0	0	0.0
Individual fell off	3	0.2	0	0.0	3	1.1
Other noncollision	4	0.2	0	0.0	1	0.4
<b>SUBTOTAL</b>	<b>74</b>	<b>3.9</b>	<b>0</b>	<b>0.0</b>	<b>24</b>	<b>8.5</b>

For drivers age 65 and over in the Upper Peninsula, an overturn is the most harmful event in a noncollision with the highest proportion of all crashes (1.4%) and injury crashes (4.2%).

MOST HARMFUL EVENT IN A COLLISION WITH A NONFIXED OBJECT	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Pedestrian	2	0.1	0	0.0	2	0.7
Bicyclist	6	0.3	0	0.0	6	2.1
Motor vehicle in transport	957	50.1	8	72.7	202	71.4
Parked motor vehicle	63	3.3	1	9.1	3	1.1
Railway train	1	0.1	0	0.0	1	0.4
Animal	632	33.1	0	0.0	7	2.5
Other nonfixed objects	15	0.8	0	0.0	1	0.4
<b>SUBTOTAL</b>	<b>1,676</b>	<b>87.8</b>	<b>9</b>	<b>81.8</b>	<b>222</b>	<b>78.4</b>

## UPPER PENINSULA DRIVER AGE 65 AND OVER (CONTINUED)

MOST HARMFUL EVENT IN A COLLISION WITH A FIXED OBJECT	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Bridge/pier/abutment	1	0.1	0	0.0	0	0.0
Bridge rail	1	0.1	0	0.0	0	0.0
Guardrail face	5	0.3	0	0.0	1	0.4
Guardrail end	2	0.1	0	0.0	0	0.0
Median barrier	3	0.2	0	0.0	0	0.0
Highway traffic sign post	12	0.6	0	0.0	3	1.1
Highway signal post	1	0.1	0	0.0	0	0.0
Luminaire/light support	11	0.6	1	9.1	2	0.7
Other pole	5	0.3	0	0.0	0	0.0
Culvert	1	0.1	0	0.0	0	0.0
Curb	1	0.1	0	0.0	0	0.0
Ditch	21	1.1	1	9.1	6	2.1
Embankment	10	0.5	0	0.0	2	0.7
Fence	0	0.0	0	0.0	0	0.0
Mailbox	8	0.4	0	0.0	0	0.0
Tree	53	2.8	0	0.0	18	6.4
Rail crossing signal	2	0.1	0	0.0	1	0.4
Building	1	0.1	0	0.0	0	0.0
Traffic island	0	0.0	0	0.0	0	0.0
Fire hydrant	1	0.1	0	0.0	1	0.4
Impact attenuator	0	0.0	0	0.0	0	0.0
Other fixed object	5	0.3	0	0.0	3	1.1
<b>SUBTOTAL</b>	<b>144</b>	<b>7.5</b>	<b>2</b>	<b>18.2</b>	<b>37</b>	<b>13.1</b>

For drivers age 65 and over in the Upper Peninsula, a tree is the fixed object associated with the highest proportion of all crashes (2.8%) and injury crashes (6.4%).

	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Uncoded & Errors	15	0.8	0	0.0	0	0.0
No event coded as most harmful	0	0.0	0	0.0	0	0.0
<b>TOTAL</b>	<b>1,909</b>	<b>100.0</b>	<b>11</b>	<b>100.0</b>	<b>283</b>	<b>100.0</b>

## UPPER PENINSULA DRIVER AGE 65 AND OVER (CONTINUED)

CRASH TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Single Vehicle	841	44.1	2	18.2	71	25.1
Head On	21	1.1	0	0.0	12	4.2
Head On - Left Turn	56	2.9	0	0.0	26	9.2
Angle	324	17.0	4	36.4	72	25.4
Rear End	240	12.6	3	27.3	50	17.7
Rear End - Left Turn	27	1.4	0	0.0	2	0.7
Rear End - Right Turn	10	0.5	0	0.0	3	1.1
Sideswipe - Same Direction	163	8.5	0	0.0	11	3.9
Sideswipe - Opposite Direction	45	2.4	0	0.0	14	4.9
Backing	58	3.0	0	0.0	0	0.0
Other	120	6.3	2	18.2	21	7.4
Unknown	4	0.2	0	0.0	1	0.4
Uncoded & Errors	0	0.0	0	0.0	0	0.0
<b>TOTAL</b>	<b>1,909</b>	<b>100.0</b>	<b>11</b>	<b>100.0</b>	<b>283</b>	<b>100.0</b>

Based on crash type, drivers age 65 and over in the Upper Peninsula are involved in the largest proportion of single vehicle crashes for all crashes (44.1%) and angle crashes for fatal crashes (36.4%) and injury crashes (25.4%).

RELATIONSHIP TO ROADWAY (LOCATION OF FIRST IMPACT)	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
On Road	1,689	88.5	10	90.9	233	82.3
Median	7	0.4	0	0.0	1	0.4
Shoulder	54	2.8	0	0.0	9	3.2
Outside of Shoulder/Curb	106	5.6	1	9.1	32	11.3
Gore	3	0.2	0	0.0	1	0.4
On-Street Parking	35	1.8	0	0.0	4	1.4
Off the Roadway	0	0.0	0	0.0	0	0.0
On the Sidewalk	4	0.2	0	0.0	0	0.0
In the Bicycle Lane	1	0.1	0	0.0	0	0.0
Other/Unknown	5	0.3	0	0.0	1	0.4
Uncoded & Errors	5	0.3	0	0.0	2	0.7
<b>TOTAL</b>	<b>1,909</b>	<b>100.0</b>	<b>11</b>	<b>100.0</b>	<b>283</b>	<b>100.0</b>

Other than on the road crashes, drivers age 65 and over in the Upper Peninsula have the highest proportion where the first impact is on the outside the shoulder/curb for all crashes (5.6%), fatal crashes (9.1%), and injury crashes (11.3%).

ROADWAY TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Interstate Routes	80	4.2	0	0.0	11	3.9
U.S. & Michigan Roads	1,110	58.1	8	72.7	173	61.1
County & City Roads	706	37.0	3	27.3	98	34.6
Uncoded & Errors	13	0.7	0	0.0	1	0.4
<b>TOTAL</b>	<b>1,909</b>	<b>100.0</b>	<b>11</b>	<b>100.0</b>	<b>283</b>	<b>100.0</b>

## UPPER PENINSULA DRIVER AGE 65 AND OVER (CONTINUED)

TIME OF DAY	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
12:00 AM - 2:59 AM	23	1.2	0	0.0	2	0.7
3:00 AM - 5:59 AM	22	1.2	0	0.0	2	0.7
6:00 AM - 8:59 AM	171	9.0	1	9.1	21	7.4
9:00 AM - 11:59 AM	401	21.0	1	9.1	66	23.3
12:00 PM - 2:59 PM	472	24.7	3	27.3	91	32.2
3:00 PM - 5:59 PM	413	21.6	5	45.5	73	25.8
6:00 PM - 8:59 PM	264	13.8	1	9.1	21	7.4
9:00 PM - 11:59 PM	140	7.3	0	0.0	7	2.5
Unknown	3	0.2	0	0.0	0	0.0
<b>TOTAL</b>	<b>1,909</b>	<b>100.0</b>	<b>11</b>	<b>100.0</b>	<b>283</b>	<b>100.0</b>

For drivers age 65 and over in the Upper Peninsula, the 12:00 - 2:59 PM time period has the highest proportion of all crashes (24.7%) and injury crashes (32.2%). The highest proportion of fatal crashes occurs in the 3:00 - 5:59 PM time period (45.5%).

HAZARDOUS ACTION	ALL CRASHES		FATAL CRASHES		INJURY CRASHES		HAZARDOUS CITATION ISSUED	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
None	1,183	62.0	2	18.2	136	48.1	2	1.2
Speed too fast	87	4.6	0	0.0	22	7.8	22	13.3
Speed too slow	2	0.1	0	0.0	0	0.0	0	0.0
Failed to yield	210	11.0	3	27.3	58	20.5	65	39.2
Disregard traffic control	22	1.2	1	9.1	7	2.5	14	8.4
Drove wrong way	3	0.2	0	0.0	2	0.7	0	0.0
Drove left of center	10	0.5	0	0.0	4	1.4	2	1.2
Improper passing	9	0.5	0	0.0	1	0.4	5	3.0
Improper lane use	47	2.5	1	9.1	4	1.4	7	4.2
Improper turn	24	1.3	0	0.0	3	1.1	4	2.4
Improper/no signal	6	0.3	0	0.0	1	0.4	1	0.6
Improper backing	52	2.7	0	0.0	0	0.0	1	0.6
Unable to stop in assured clear distance	97	5.1	2	18.2	16	5.7	16	9.6
Other	54	2.8	0	0.0	12	4.2	6	3.6
Unknown	29	1.5	1	9.1	2	0.7	0	0.0
Reckless driving	1	0.1	0	0.0	1	0.4	0	0.0
Careless/negligent driving	69	3.6	1	9.1	14	4.9	21	12.7
Uncoded & Errors	4	0.2	0	0.0	0	0.0	0	0.0
<b>TOTAL</b>	<b>1,909</b>	<b>100.0</b>	<b>11</b>	<b>100.0</b>	<b>283</b>	<b>100.0</b>	<b>166</b>	<b>100.0</b>

After no hazardous action, the second highest hazardous action category for drivers age 65 and over in the Upper Peninsula for all crashes (11.0%), fatal crashes (27.3%), and injury crashes (20.5%) occurs when the driver fails to yield.

## UPPER PENINSULA DRIVER AGE 65 AND OVER (CONTINUED)

DAY OF WEEK	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Monday	259	13.6	2	18.2	38	13.4
Tuesday	273	14.3	3	27.3	34	12.0
Wednesday	297	15.6	1	9.1	45	15.9
Thursday	280	14.7	0	0.0	39	13.8
Friday	368	19.3	4	36.4	60	21.2
Saturday	259	13.6	1	9.1	44	15.5
Sunday	173	9.1	0	0.0	23	8.1
TOTAL	1,909	100.0	11	100.0	283	100.0

DRIVER GENDER	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Male	1,227	64.3	9	81.8	180	63.6
Female	681	35.7	2	18.2	103	36.4
Uncoded & Errors	1	0.1	0	0.0	0	0.0
TOTAL	1,909	100.0	11	100.0	283	100.0

For drivers age 65 and over in the Upper Peninsula, there were nine male drivers (81.8%) and two female drivers (18.2%) in fatal crashes.

NUMBER OF OCCUPANTS	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
1 occupant	1,426	74.7	6	54.5	195	68.9
2 occupants	421	22.1	5	45.5	75	26.5
3 occupants	36	1.9	0	0.0	8	2.8
4 occupants	15	0.8	0	0.0	3	1.1
5 occupants	3	0.2	0	0.0	2	0.7
6+ occupants	0	0.0	0	0.0	0	0.0
0 occupants	8	0.4	0	0.0	0	0.0
Uncoded & Errors	0	0.0	0	0.0	0	0.0
TOTAL	1,909	100.0	11	100.0	283	100.0

## UPPER PENINSULA DRIVER AGE 65 AND OVER (CONTINUED)

VEHICLE TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Passenger car, SUV, van	1,420	74.4	7	63.6	206	72.8
Motor home	8	0.4	0	0.0	2	0.7
Pickup truck	421	22.1	0	0.0	54	19.1
Small Truck under 10,000 lbs. GVWR	14	0.7	0	0.0	3	1.1
Motorcycle	13	0.7	1	9.1	10	3.5
Moped / goped	1	0.1	1	9.1	0	0.0
Go-cart / golf cart	0	0.0	0	0.0	0	0.0
Snowmobile	0	0.0	0	0.0	0	0.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	7	0.4	0	0.0	7	2.5
Other	2	0.1	1	9.1	0	0.0
Unknown	0	0.0	0	0.0	0	0.0
CDL Truck/Bus (breakdown below)	23	1.2	1	9.1	1	0.4
<b>TOTAL</b>	<b>1,909</b>	<b>100.0</b>	<b>11</b>	<b>100.0</b>	<b>283</b>	<b>100.0</b>

HEAVY TRUCK/BUS GROSS VEHICLE WEIGHT RATING	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
10,000 lbs. or less	2	8.7	0	0.0	0	0.0
10,001 - 26,000 lbs.	10	43.5	0	0.0	0	0.0
Greater than 26,000 lbs.	10	43.5	1	100.0	1	100.0
Uncoded & Errors	1	4.3	0	0.0	0	0.0
<b>TOTAL</b>	<b>23</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>