



UPPER PENINSULA DRIVER AGE 16-24

DRIVER ACTION PRIOR TO CRASH	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Going straight ahead	2,473	62.8	12	92.3	513	61.7
Turning left	250	6.4	0	0.0	66	7.9
Turning right	107	2.7	0	0.0	16	1.9
Stopped on roadway	183	4.6	0	0.0	41	4.9
In prior crash	3	0.1	0	0.0	1	0.1
Changing lanes	43	1.1	0	0.0	4	0.5
Backing	126	3.2	0	0.0	8	1.0
Slowing/stopping on roadway	275	7.0	0	0.0	55	6.6
Slowing/stopping other	7	0.2	0	0.0	4	0.5
Starting up on roadway	75	1.9	0	0.0	13	1.6
Starting up other	1	0.0	0	0.0	0	0.0
Entering parking	4	0.1	0	0.0	1	0.1
Leaving parking	14	0.4	0	0.0	6	0.7
Entering roadway	58	1.5	0	0.0	12	1.4
Leaving roadway	14	0.4	0	0.0	4	0.5
Making U-turn	7	0.2	0	0.0	3	0.4
Overtaking or passing	45	1.1	0	0.0	12	1.4
Avoiding object	10	0.3	0	0.0	3	0.4
Avoiding animal	49	1.2	1	7.7	15	1.8
Avoiding pedestrian	2	0.1	0	0.0	2	0.2
Avoiding vehicle (front/back)	35	0.9	0	0.0	11	1.3
Avoiding vehicle (angle)	17	0.4	0	0.0	6	0.7
Driverless moving	0	0.0	0	0.0	0	0.0
Parked	10	0.3	0	0.0	1	0.1
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	4	0.1	0	0.0	1	0.1
Playing in roadway	0	0.0	0	0.0	0	0.0
In roadway other reason	1	0.0	0	0.0	0	0.0
Not in roadway	2	0.1	0	0.0	0	0.0
Other	0	0.0	0	0.0	0	0.0
Unknown	122	3.1	0	0.0	34	4.1
Total Drivers	3,937	100.0	13	100.0	832	100.0



UPPER PENINSULA DRIVER AGE 16-24 (continued)

MOST HARMFUL EVENT IN A NONCOLLISION	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Loss of control	28	0.7	0	0.0	5	0.6
Cross center/median	4	0.1	0	0.0	1	0.1
Ran off road left	8	0.2	0	0.0	0	0.0
Ran off road right	13	0.3	0	0.0	4	0.5
Re-enter road	1	0.0	0	0.0	0	0.0
Overturn	239	6.1	3	23.1	116	13.9
Separation of units	2	0.1	0	0.0	0	0.0
Fire/explosion	4	0.1	0	0.0	2	0.2
Immersion	2	0.1	0	0.0	1	0.1
Jackknife	1	0.0	0	0.0	0	0.0
Downhill runaway	3	0.1	0	0.0	2	0.2
Cargo loss/shift	1	0.0	0	0.0	0	0.0
Individual fell off	15	0.4	1	7.7	13	1.6
Other noncollision	16	0.4	0	0.0	5	0.6
NONCOLLISION Subtotal	337	8.6	4	30.8	149	17.9

Teens and young adults have the highest incidence of overturn in fatal crashes when compared to the other two age groups (25-64 and 65 & over).

MOST HARMFUL EVENT IN A COLLISION WITH A NONFIXED OBJECT	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Pedestrian	9	0.2	0	0.0	9	1.1
Pedalcycle (Bicyclist)	11	0.3	0	0.0	11	1.3
Motor vehicle in transport	1,948	49.5	5	38.5	437	52.5
Parked motor vehicle	151	3.8	1	7.7	13	1.6
Railway train	0	0.0	0	0.0	0	0.0
Animal	697	17.7	0	0.0	14	1.7
Other nonfixed objects	33	0.8	0	0.0	5	0.6
COLLISION NONFIXED Subtotal	2,849	72.4	6	46.2	489	58.8



UPPER PENINSULA DRIVER AGE 16-24 (continued)

MOST HARMFUL EVENT IN A COLLISION WITH A FIXED OBJECT	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Bridge/pier/abutment	2	0.1	0	0.0	1	0.1
Bridge parapet end	1	0.0	0	0.0	0	0.0
Bridge rail	4	0.1	0	0.0	1	0.1
Guardrail face	39	1.0	0	0.0	9	1.1
Guardrail end	8	0.2	0	0.0	1	0.1
Median barrier	6	0.2	0	0.0	2	0.2
Highway traffic sign post	35	0.9	0	0.0	0	0.0
Signal post	2	0.1	0	0.0	1	0.1
Luminaire/light support	11	0.3	0	0.0	6	0.7
Utility pole	59	1.5	1	7.7	20	2.4
Other pole	8	0.2	0	0.0	2	0.2
Culvert	8	0.2	0	0.0	3	0.4
Curb	12	0.3	0	0.0	1	0.1
Ditch	94	2.4	0	0.0	29	3.5
Embankment	40	1.0	0	0.0	12	1.4
Fence	11	0.3	0	0.0	2	0.2
Mailbox	29	0.7	0	0.0	0	0.0
Tree	165	4.2	1	7.7	49	5.9
Rail crossing signal	1	0.0	0	0.0	0	0.0
Building	11	0.3	0	0.0	1	0.1
Traffic island	0	0.0	0	0.0	0	0.0
Fire hydrant	4	0.1	0	0.0	1	0.1
Impact attenuator	0	0.0	0	0.0	0	0.0
Other fixed object	39	1.0	1	7.7	8	1.0
COLLISION FIXED Subtotal	589	15.0	3	23.1	149	17.9

Teens and young adults have the highest incidence of collision with ditches, trees and utility poles in all crashes when compared to the other two age groups.

	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Unknown Event	162	4.1	0	0.0	45	5.4
TOTAL MOST HARMFUL EVENT	3,937	100.0	13	100.0	832	100.0



UPPER PENINSULA DRIVER AGE 16-24 (continued)

CRASH TYPE	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Single Vehicle	1,637	41.6	7	53.8	307	36.9
Head On	67	1.7	4	30.8	29	3.5
Head On - Left Turn	86	2.2	0	0.0	47	5.6
Angle	861	21.9	1	7.7	214	25.7
Rear End	680	17.3	1	7.7	153	18.4
Rear End - Left Turn	87	2.2	0	0.0	25	3.0
Rear End - Right Turn	46	1.2	0	0.0	5	0.6
Sideswipe - Same Direction	219	5.6	0	0.0	15	1.8
Sideswipe - Opposite Direct	93	2.4	0	0.0	13	1.6
Other/Unknown	161	4.1	0	0.0	24	2.9
Total Drivers	3,937	100.0	13	100.0	832	100.0

Teen and young adult drivers are involved in the largest proportion of rear-end crashes when compared to the other two age groups.

RELATIONSHIP TO ROADWAY (LOCATION OF FIRST IMPACT IN CRASH)	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
On Road	2,923	74.2	7	53.8	540	64.9
Median	4	0.1	0	0.0	4	0.5
Shoulder	260	6.6	1	7.7	60	7.2
Outside of Shoulder/Curb	501	12.7	5	38.5	176	21.2
Gore	14	0.4	0	0.0	1	0.1
Other/Unknown	235	6.0	0	0.0	51	6.1
Total Drivers	3,937	100.0	13	100.0	832	100.0

When compared to the other two age groups in all crashes, teen and young adult drivers have the highest incidence of crashes where the first impact is on the shoulder of the roadway or outside the shoulder/curb.

ROADWAY TYPE IN CRASH	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Interstate Routes	165	4.2	0	0.0	38	4.6
U.S. & Michigan Roads	1,888	48.0	7	53.8	411	49.4
County & City Roads	1,884	47.9	6	46.2	383	46.0
Total Drivers	3,937	100.0	13	100.0	832	100.0



UPPER PENINSULA DRIVER AGE 16-24 (continued)

TIME OF DAY IN CRASH	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
12:00 mid. - 02:59 a.m.	278	7.1	2	15.4	69	8.3
03:00 a.m. - 05:59 a.m.	132	3.4	3	23.1	26	3.1
06:00 a.m. - 08:59 a.m.	332	8.4	0	0.0	56	6.7
09:00 a.m. - 11:59 a.m.	484	12.3	3	23.1	122	14.7
12:00 noon - 02:59 p.m.	599	15.2	2	15.4	137	16.5
03:00 p.m. - 05:59 p.m.	931	23.6	0	0.0	214	25.7
06:00 p.m. - 08:59 p.m.	659	16.7	2	15.4	125	15.0
09:00 p.m. - 11:59 p.m.	505	12.8	0	0.0	82	9.9
Unknown	17	0.4	1	7.7	1	0.1
Total Drivers	3,937	100.0	13	100.0	832	100.0

12:00 midnight to 2:59 AM shows the highest involvement for teen and young adult drivers in all crashes compared to the other two age groups.

HAZARDOUS ACTION	All Crashes		Fatal Crashes		Injury Crashes		Hazardous Citation Issued	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury	Number	% of Issued
None	1,659	42.1	1	7.7	250	30.0	5	0.7
Speed too fast	576	14.6	7	53.8	166	20.0	174	23.0
Speed too slow	7	0.2	0	0.0	0	0.0	2	0.3
Failed to yield	357	9.1	1	7.7	105	12.6	165	21.8
Disregard traffic control	55	1.4	0	0.0	25	3.0	34	4.5
Drove wrong way	1	0.0	0	0.0	0	0.0	0	0.0
Drove left of center	22	0.6	2	15.4	6	0.7	5	0.7
Improper passing	29	0.7	0	0.0	4	0.5	5	0.7
Improper lane use	48	1.2	0	0.0	2	0.2	11	1.5
Improper turn	38	1.0	0	0.0	2	0.2	7	0.9
Improper/no signal	5	0.1	0	0.0	2	0.2	0	0.0
Improper backing	98	2.5	0	0.0	2	0.2	9	1.2
Unable to stop in assured clear distance	462	11.7	0	0.0	93	11.2	121	16.0
Reckless driving	32	0.8	1	7.7	13	1.6	19	2.5
Careless/Negligent driving	243	6.2	0	0.0	91	10.9	146	19.3
Other	135	3.4	1	7.7	36	4.3	37	4.9
Unknown	170	4.3	0	0.0	35	4.2	18	2.4
Total Drivers	3,937	100.0	13	100.0	832	100.0	758	100.0

Compared to the other two age groups, teen and young adult drivers have the highest incidence of crash involvement when their speed is too fast. In all crashes they are “unable to stop in assured clear distance” more often than older drivers.



UPPER PENINSULA DRIVER AGE 16-24 (continued)

DAY OF WEEK IN CRASH	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Sunday	480	12.2	2	15.4	114	13.7
Monday	593	15.1	2	15.4	118	14.2
Tuesday	527	13.4	2	15.4	110	13.2
Wednesday	519	13.2	3	23.1	102	12.3
Thursday	549	13.9	1	7.7	109	13.1
Friday	708	18.0	3	23.1	167	20.1
Saturday	561	14.2	0	0.0	112	13.5
Total Drivers	3,937	100.0	13	100.0	832	100.0

The weekend shows higher involvement of teen and young adult drivers in all crashes when compared to the other two age groups.

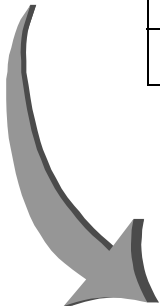
DRIVER GENDER IN CRASH	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Male	2,266	57.6	9	69.2	452	54.3
Female	1,666	42.3	4	30.8	380	45.7
Unknown	5	0.1	0	0.0	0	0.0
Total Drivers	3,937	100.0	13	100.0	832	100.0

OCCUPANTS IN MOTOR VEHICLE	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
1 occupant	2,586	65.7	3	23.1	501	60.2
2 occupants	901	22.9	6	46.2	215	25.8
3 occupants	251	6.4	2	15.4	66	7.9
4 occupants	93	2.4	0	0.0	25	3.0
5 occupants	40	1.0	2	15.4	17	2.0
6 + occupants	13	0.3	0	0.0	4	0.5
0 occupants	6	0.2	0	0.0	0	0.0
Unknown	47	1.2	0	0.0	4	0.5
Total Drivers	3,937	100.0	13	100.0	832	100.0



UPPER PENINSULA DRIVER AGE 16-24 (continued)

VEHICLE TYPE CRASH INVOLVEMENT	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Passenger Car and Station Wagon	2,826	71.8	7	53.8	574	69.0
Van and Motorhome	131	3.3	1	7.7	27	3.2
Pickup	782	19.9	3	23.1	151	18.1
Small Truck (under 10,000 lbs.)	112	2.8	0	0.0	23	2.8
Motorcycle	28	0.7	1	7.7	23	2.8
Moped	1	0.0	0	0.0	1	0.1
Go Cart	1	0.0	0	0.0	1	0.1
Snowmobile	14	0.4	0	0.0	10	1.2
Off Road Vehicle	19	0.5	1	7.7	17	2.0
Other	5	0.1	0	0.0	2	0.2
Unknown	0	0.0	0	0.0	0	0.0
CDL Truck/Bus (breakdown below)	18	0.5	0	0.0	3	0.4
Total Number of Drivers	3,937	100.0	13	100.0	832	100.0



CDL Truck/Bus Sub-category Types	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Commercial Vehicle: Group A	6	33.3	0	0.0	0	0.0
Commercial Vehicle: Group B	4	22.2	0	0.0	2	66.7
Commercial Vehicle: Group C	1	5.6	0	0.0	1	33.3
Other Truck	2	11.1	0	0.0	0	0.0
Unknown Truck	5	27.8	0	0.0	0	0.0
Total Number of Drivers	18	100.0	0	100.0	3	100.0

Group "A" is any vehicle that is towing a vehicle or trailer that has a gross vehicle weight rating (GVWR) over 10,000 lbs.

Group "B" is any single vehicle (including buses) with a GVWR of 26,001 lbs. or more. This would include a combination of vehicles with a combined GVWR over 26,000 lbs. when towing a trailer that has a GVWR of 10,000 lbs. or less.

Group "C" is any single vehicle with a GVWR of less than 26,001 lbs. or a combination of vehicles having a combined GVWR under 26,001 lbs. when the vehicle is required to display placards for hazardous material or designed to carry 16 passengers (including driver). Group "C" is also any vehicle carrying 15 or less people (including driver) transporting children to or from school and home on a regular basis for compensation.