

UPPER PENINSULA VEHICLE TYPE AND CRASH INVOLVEMENT

VEHICLE TYPE	MOTOR VEHICLES		FATAL CRASH		INJURY CRASH	PROPERTY DAMAGE ONLY	FATALITY IN VEHICLE		INJURY	NO INJURY
	Number of Vehicles	% of Total	Number	% of Total			Number	% of Total		
Passenger Car and Station Wagon	7,936	68.1	23	57.5	1,197	6,716	17	70.8	838	7,081
Van and Motorhome	412	3.5	1	2.5	68	343	0	0.0	50	362
Pickup	2,439	20.9	9	22.5	351	2,079	3	12.5	197	2,239
Small Truck (under 10,000 lbs.)	203	1.7	0	0.0	34	169	0	0.0	24	179
Motorcycle	99	0.8	4	10.0	73	22	4	16.7	71	24
Moped	15	0.1	0	0.0	11	4	0	0.0	11	4
Go Cart	0	0.0	0	0.0	0	0	0	0.0	0	0
Snowmobile	40	0.3	0	0.0	26	14	0	0.0	23	17
Off-Road Vehicle/ATV	50	0.4	0	0.0	42	8	0	0.0	41	9
Other	45	0.4	0	0.0	10	35	0	0.0	5	40
Unknown	163	1.4	0	0.0	5	158	0	0.0	0	163
CDL Truck/Bus (break-down below)	260	2.2	3	7.5	49	208	0	0.0	19	241
Total Number of Vehicles	11,662	100.0	40	100.0	1,866	9,756	24	100.0	1,279	10,359

Note: School bus cannot be broken out of CDL Truck/Bus

CDL TRUCK/BUS SUB-CATEGORY TYPE	MOTOR VEHICLES		FATAL CRASH		INJURY CRASH	PROPERTY DAMAGE ONLY	FATALITY IN VEHICLE		INJURY	NO INJURY
	Number of Vehicles	% of Total	Number	% of Total			Number	% of Total		
Commercial Vehicle: Group A*	150	57.7	1	33.3	26	123	0	0.0	8	142
Commercial Vehicle: Group B**	53	20.4	1	33.3	13	39	0	0.0	6	47
Commercial Vehicle: Group C***	7	2.7	0	0.0	3	4	0	0.0	3	4
Other Truck	26	10.0	1	33.3	6	19	0	0.0	2	24
Unknown Truck	24	9.2	0	0.0	1	23	0	0.0	0	24
Total Number of Vehicles	260	100.0	3	100.0	49	208	0	100.0	19	241

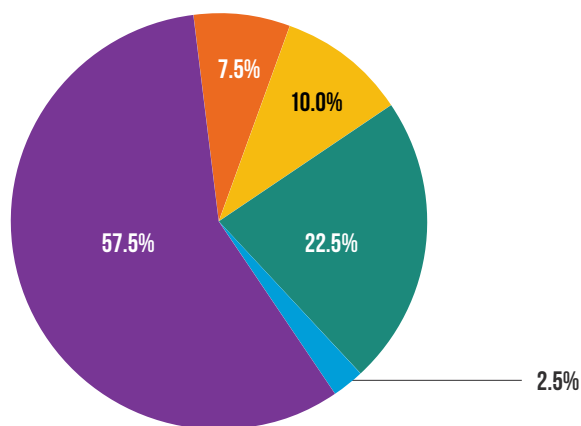
* Group "A" is any vehicle that is towing a vehicle or trailer that has a gross vehicle weight rating (GVWR) over 10,000 lbs.

** 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.

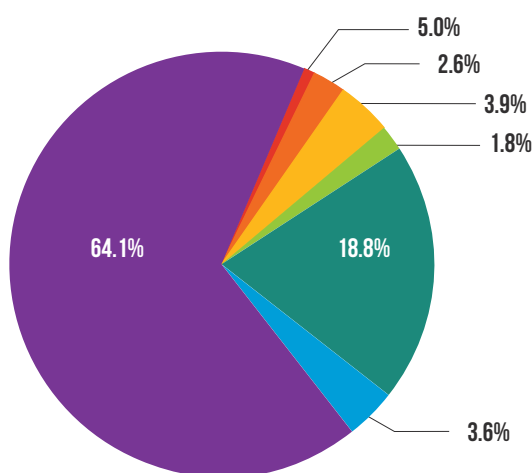
UPPER PENINSULA VEHICLE TYPES IN CRASHES BY CRASH SEVERITY

■ PASSENGER CAR, STATION WAGON
 ■ VAN, MINIVAN, MOTORHOME
 ■ PICKUP
 ■ TRUCK UNDER 10,000 LBS.
 ■ MOTORCYCLE
 ■ CDL TRUCK/BUS
 ■ OTHER

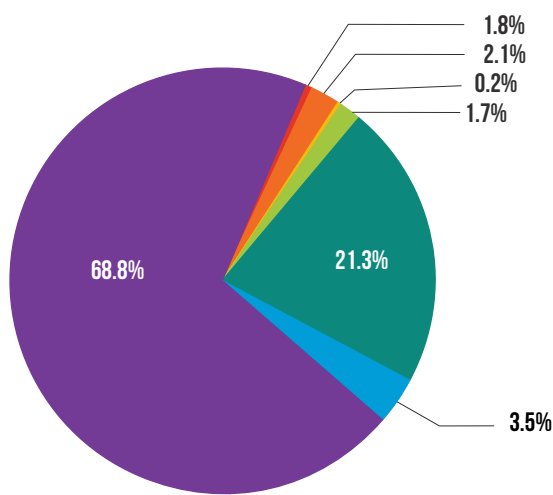


FATAL

The top chart shows that 82.5 percent of vehicles involved in fatal crashes in the Upper Peninsula are passenger vehicles (passenger cars, station wagons, vans, minivans, motorhomes, pickups, or trucks under 10,000 lbs.). Motorcycles have a fatal crash involvement of 10.0 percent.



INJURY



PROPERTY DAMAGE ONLY

As with fatal crashes, injury crashes (64.1%) and property damage only (PDO) crashes (68.8%) are represented primarily by passenger cars and station wagons.

Note: "Other" consists of moped, go-cart, snowmobile, off-road vehicle, other, and unknown.

UPPER PENINSULA ACTION PRIOR TO CRASH

DRIVER ACTION	VEHICLES		FATAL CRASH	INJURY CRASH			PROPERTY DAMAGE ONLY
	Number	% of Total		A	B	C	
Going straight ahead	7,275	62.4	26	163	273	702	6,111
Turning left	621	5.3	2	23	39	116	441
Turning right	325	2.8	0	2	14	32	277
Stopped on roadway	655	5.6	7	8	15	93	532
In prior crash	9	0.1	0	0	2	2	5
Changing lanes	117	1.0	0	3	0	10	104
Backing	422	3.6	0	0	4	7	411
Slowing/stopping on roadway	665	5.7	1	8	19	91	546
Slowing/stopping other	28	0.2	0	0	0	6	22
Starting up on roadway	227	1.9	0	1	7	44	175
Starting up other	9	0.1	0	0	0	1	8
Entering parking	31	0.3	0	0	1	3	27
Leaving parking	45	0.4	0	0	1	3	41
Entering roadway	173	1.5	1	3	10	29	130
Leaving roadway	29	0.2	0	2	8	1	18
Making U-turn	30	0.3	0	1	3	7	19
Overtaking or passing	92	0.8	0	5	6	9	72
Avoiding object	12	0.1	0	0	1	2	9
Avoiding animal	84	0.7	0	1	2	10	71
Avoiding pedestrian	0	0.0	0	0	0	0	0
Avoiding vehicle (front/back)	79	0.7	2	4	7	14	52
Avoiding vehicle (angle)	32	0.3	0	3	2	4	23
Driverless moving	8	0.1	0	0	0	0	8
Parked	572	4.9	0	4	5	23	540
Crossing at intersection	1	0.0	0	0	0	1	0
Crossing not at intersection	1	0.0	0	0	0	0	1
Getting on/off vehicle	0	0.0	0	0	0	0	0
In roadway with traffic	0	0.0	0	0	0	0	0
In roadway against traffic	0	0.0	0	0	0	0	0
Standing or lying in roadway	0	0.0	0	0	0	0	0
Pushing/working on vehicle	0	0.0	0	0	0	0	0
Other working in roadway	0	0.0	0	0	0	0	0
Playing in roadway	0	0.0	0	0	0	0	0
In roadway other reason	1	0.0	0	0	0	0	1
Not in roadway	1	0.0	0	0	0	0	1
Other	6	0.1	0	1	0	0	5
Unknown	112	1.0	1	0	1	1	81
TOTAL	11,662	100.0	40	232	420	1,214	9,756

UPPER PENINSULA ACTION PRIOR TO CRASH (CONTINUED)

MOTORCYCLIST ACTION	MOTORCYCLES		MOTORCYCLISTS*		FATALITY	INJURY			NO INJURY
	Number of Motorcycles	% of Total	Number of Motorcyclists	% of Total		A	B	C	
Going straight ahead	61	61.6	71	62.3	4	18	18	15	16
Turning left	6	6.1	8	7.0	0	2	4	2	0
Turning right	4	4.0	5	4.4	0	0	0	3	2
Stopped on roadway	3	3.0	4	3.5	0	0	0	1	3
In prior crash	0	0.0	0	0.0	0	0	0	0	0
Changing lanes	0	0.0	0	0.0	0	0	0	0	0
Backing	0	0.0	0	0.0	0	0	0	0	0
Slowing/stopping on roadway	4	4.0	4	3.5	0	0	2	0	2
Slowing/stopping other	0	0.0	0	0.0	0	0	0	0	0
Starting up on roadway	2	2.0	2	1.8	0	0	0	2	0
Starting up other	0	0.0	0	0.0	0	0	0	0	0
Entering parking	0	0.0	0	0.0	0	0	0	0	0
Leaving parking	2	2.0	2	1.8	0	0	0	0	2
Entering roadway	1	1.0	1	0.9	0	1	0	0	0
Leaving roadway	2	2.0	2	1.8	0	0	2	0	0
Making U-turn	3	3.0	3	2.6	0	0	0	2	1
Overtaking or passing	6	6.1	6	5.3	0	3	2	0	1
Avoiding object	0	0.0	0	0.0	0	0	0	0	0
Avoiding animal	0	0.0	0	0.0	0	0	0	0	0
Avoiding pedestrian	0	0.0	0	0.0	0	0	0	0	0
Avoiding vehicle (front/back)	2	2.0	3	2.6	0	1	2	0	0
Avoiding vehicle (angle)	2	2.0	2	1.8	0	0	0	1	1
Driverless moving	0	0.0	0	0.0	0	0	0	0	0
Parked	1	1.0	1	0.9	0	0	0	0	1
Crossing at intersection	0	0.0	0	0.0	0	0	0	0	0
Crossing not at intersection	0	0.0	0	0.0	0	0	0	0	0
Getting on/off vehicle	0	0.0	0	0.0	0	0	0	0	0
In roadway with traffic	0	0.0	0	0.0	0	0	0	0	0
In roadway against traffic	0	0.0	0	0.0	0	0	0	0	0
Standing or lying in roadway	0	0.0	0	0.0	0	0	0	0	0
Pushing/working on vehicle	0	0.0	0	0.0	0	0	0	0	0
Other working in roadway	0	0.0	0	0.0	0	0	0	0	0
Playing in roadway	0	0.0	0	0.0	0	0	0	0	0
In roadway other reason	0	0.0	0	0.0	0	0	0	0	0
Not in roadway	0	0.0	0	0.0	0	0	0	0	0
Other	0	0.0	0	0.0	0	0	0	0	0
Unknown	0	0.0	0	0.0	0	0	0	0	0
TOTAL	99	100.0	114	100.0	4	25	30	26	29

*Includes no motorcyclists (drivers and passengers) with unknown injury severity

UPPER PENINSULA ACTION PRIOR TO CRASH (CONTINUED)

BICYCLIST ACTION	BICYCLISTS*		FATALITY	INJURY			NO INJURY
	Number of Bicyclists	% of Total		A	B	C	
Going straight ahead	23	63.9	0	5	5	6	6
Turning left	4	11.1	0	0	0	1	3
Turning right	0	0.0	0	0	0	0	0
Stopped on roadway	0	0.0	0	0	0	0	0
In prior crash	0	0.0	0	0	0	0	0
Changing lanes	1	2.8	0	1	0	0	0
Backing	0	0.0	0	0	0	0	0
Slowing/stopping on roadway	0	0.0	0	0	0	0	0
Slowing/stopping other	0	0.0	0	0	0	0	0
Starting up on roadway	0	0.0	0	0	0	0	0
Starting up other	0	0.0	0	0	0	0	0
Entering parking	0	0.0	0	0	0	0	0
Leaving parking	0	0.0	0	0	0	0	0
Entering roadway	1	2.8	0	0	0	1	0
Leaving roadway	0	0.0	0	0	0	0	0
Making U-turn	0	0.0	0	0	0	0	0
Overtaking or passing	0	0.0	0	0	0	0	0
Avoiding object	0	0.0	0	0	0	0	0
Avoiding animal	0	0.0	0	0	0	0	0
Avoiding pedestrian	0	0.0	0	0	0	0	0
Avoiding vehicle (front/back)	0	0.0	0	0	0	0	0
Avoiding vehicle (angle)	0	0.0	0	0	0	0	0
Driverless moving	0	0.0	0	0	0	0	0
Parked	0	0.0	0	0	0	0	0
Crossing at intersection	4	11.1	0	0	2	2	0
Crossing not at intersection	1	2.8	0	0	0	1	0
Getting on/off vehicle	0	0.0	0	0	0	0	0
In roadway with traffic	0	0.0	0	0	0	0	0
In roadway against traffic	1	2.8	0	0	1	0	0
Standing or lying in roadway	0	0.0	0	0	0	0	0
Pushing/working on vehicle	0	0.0	0	0	0	0	0
Other working in roadway	0	0.0	0	0	0	0	0
Playing in roadway	0	0.0	0	0	0	0	0
In roadway other reason	0	0.0	0	0	0	0	0
Not in roadway	1	2.8	0	0	0	1	0
Other	0	0.0	0	0	0	0	0
Unknown	0	0.0	0	0	0	0	0
TOTAL	36	100.0	0	6	8	12	9

*Includes one bicyclist with unknown injury severity

UPPER PENINSULA ACTION PRIOR TO CRASH (CONTINUED)

PEDESTRIAN ACTION	PEDESTRIANS*		FATALITY	INJURY			NO INJURY
	Number of Pedestrians	% of Total		A	B	C	
Going straight ahead	0	0.0	0	0	0	0	0
Turning left	0	0.0	0	0	0	0	0
Turning right	0	0.0	0	0	0	0	0
Stopped on roadway	0	0.0	0	0	0	0	0
In prior crash	0	0.0	0	0	0	0	0
Changing lanes	0	0.0	0	0	0	0	0
Backing	0	0.0	0	0	0	0	0
Slowing/stopping on roadway	0	0.0	0	0	0	0	0
Slowing/stopping other	0	0.0	0	0	0	0	0
Starting up on roadway	0	0.0	0	0	0	0	0
Starting up other	0	0.0	0	0	0	0	0
Entering parking	0	0.0	0	0	0	0	0
Leaving parking	0	0.0	0	0	0	0	0
Entering roadway	2	4.8	0	2	0	0	0
Leaving roadway	0	0.0	0	0	0	0	0
Making U-turn	0	0.0	0	0	0	0	0
Overtaking or passing	0	0.0	0	0	0	0	0
Avoiding object	0	0.0	0	0	0	0	0
Avoiding animal	0	0.0	0	0	0	0	0
Avoiding pedestrian	0	0.0	0	0	0	0	0
Avoiding vehicle (front/back)	0	0.0	0	0	0	0	0
Avoiding vehicle (angle)	0	0.0	0	0	0	0	0
Driverless moving	0	0.0	0	0	0	0	0
Parked	0	0.0	0	0	0	0	0
Crossing at intersection	10	23.8	0	0	1	9	0
Crossing not at intersection	11	26.2	1	3	3	3	1
Getting on/off vehicle	1	2.4	0	1	0	0	0
In roadway with traffic	2	4.8	0	0	0	2	0
In roadway against traffic	2	4.8	0	0	1	1	0
Standing or lying in roadway	4	9.5	0	1	2	1	0
Pushing/working on vehicle	1	2.4	0	0	0	1	0
Other working in roadway	1	2.4	0	0	1	0	0
Playing in roadway	0	0.0	0	0	0	0	0
In roadway other reason	4	9.5	0	2	1	0	1
Not in roadway	2	4.8	0	1	0	1	0
Other	2	4.8	0	0	1	1	0
Unknown	0	0.0	0	0	0	0	0
TOTAL	42	100.0	1	10	10	19	2

* Includes no pedestrians with unknown injury severity

UPPER PENINSULA MOST HARMFUL EVENT

NONCOLLISION	MOTOR VEHICLES		FATAL CRASH	INJURY CRASH			PROPERTY DAMAGE ONLY
	Number of Vehicles	% of Total		A	B	C	
Loss of control	32	0.3	0	1	4	6	21
Cross center/median	9	0.1	0	0	1	0	8
Ran off road left	18	0.2	0	1	0	2	15
Ran off road right	51	0.4	1	0	4	3	43
Re-enter road	2	0.0	0	0	0	0	2
Overturn	303	2.6	4	20	30	78	171
Separation of units	2	0.0	0	0	1	0	1
Fire/explosion	15	0.1	0	0	1	1	13
Immersion	0	0.0	0	0	0	0	0
Jackknife	6	0.1	0	0	0	0	6
Downhill runaway	4	0.0	0	0	0	1	3
Cargo loss/shift	25	0.2	0	0	0	1	24
Individual fell off	29	0.2	1	10	9	7	2
Other noncollision	63	0.5	0	2	6	5	50
SUBTOTAL	559	4.8	6	34	56	104	359

COLLISION WITH A NONFIXED OBJECT	MOTOR VEHICLES		FATAL CRASH	INJURY CRASH			PROPERTY DAMAGE ONLY
	Number of Vehicles	% of Total		A	B	C	
Pedestrian	35	0.3	1	5	9	17	3
Bicycle / Pedalcycle	34	0.3	0	5	8	11	10
Motor vehicle in transport	6,216	53.3	25	116	240	879	4,956
Parked motor vehicle	555	4.8	0	3	7	20	525
Railway train	0	0.0	0	0	0	0	0
Animal	2,814	24.1	0	4	9	32	2,769
Other nonfixed objects	169	1.4	1	2	6	7	153
SUBTOTAL	9,823	84.2	27	135	279	966	8,416

UPPER PENINSULA MOST HARMFUL EVENT (CONTINUED)

HAD A COLLISION WITH FIXED OBJECT	MOTOR VEHICLES		FATAL CRASH	INJURY CRASH			PROPERTY DAMAGE ONLY
	Number of Vehicles	% of Total		A	B	C	
Bridge/pier/abutment	10	0.1	0	0	0	1	9
Bridge parapet end*	---	---	---	---	---	---	---
Bridge rail	12	0.1	0	0	1	1	10
Guardrail face	72	0.6	1	1	3	6	61
Guardrail end	23	0.2	0	1	1	4	17
Median barrier	15	0.1	0	0	2	2	11
Highway traffic sign post	70	0.6	0	1	1	2	66
Highway signal post	1	0.0	0	0	0	0	1
Luminaire/light support*	90	0.8	0	4	10	12	64
Utility pole*	---	---	---	---	---	---	---
Other pole	20	0.2	0	0	1	2	17
Culvert	13	0.1	0	1	2	1	9
Curb	18	0.2	0	1	0	2	15
Ditch	235	2.0	0	12	14	20	189
Embankment	132	1.1	1	4	6	11	110
Fence	10	0.1	0	1	1	0	8
Mailbox	70	0.6	0	2	0	3	65
Tree	327	2.8	5	30	31	55	206
Rail crossing signal	4	0.0	0	0	0	2	2
Building	23	0.2	0	2	4	4	13
Traffic island	0	0.0	0	0	0	0	0
Fire hydrant	14	0.1	0	0	1	3	10
Impact attenuator	2	0.0	0	1	0	0	1
Other fixed object	85	0.7	0	2	6	10	67
SUBTOTAL	1,246	10.7	7	63	84	141	951

*Data not available for 2015. For a complete list of changes, see Data Elements with Changes for 2015 Data

	MOTOR VEHICLES		FATAL CRASH	INJURY CRASH			PROPERTY DAMAGE ONLY
	Number of Vehicles	% of Total		A	B	C	
Unknown Event	34	0.3	0	0	1	3	30
MOST HARMFUL EVENT TOTAL	11,662	100	40	232	420	1,214	9,756

UPPER PENINSULA VEHICLE DEFECTS IN CRASH INVOLVEMENT

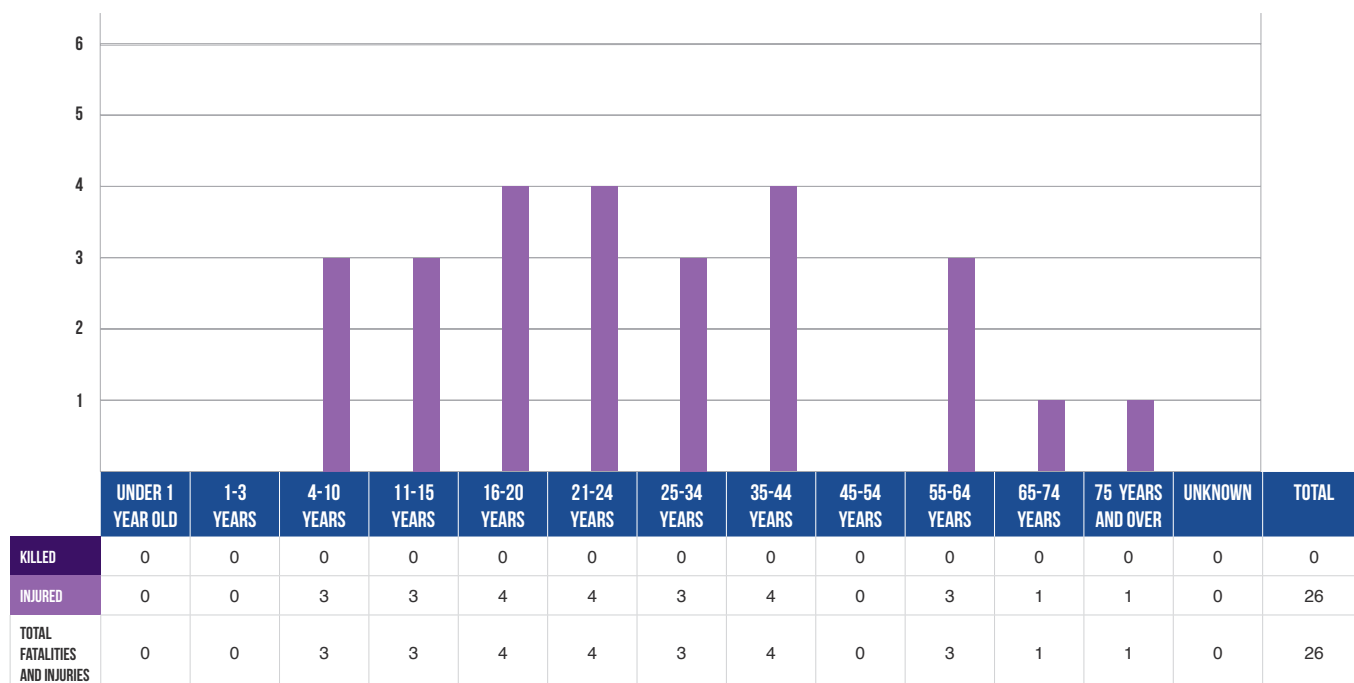
VEHICLE DEFECTS	MOTOR VEHICLES		FATAL CRASH	INJURY CRASH			PROPERTY DAMAGE ONLY
	Number of Vehicles	% of Total		A	B	C	
Brakes	23	0.2	0	1	1	3	18
Lights/reflectors	3	0	0	0	0	0	3
Steering	7	0.1	0	0	0	2	5
Tires/wheels	26	0.2	0	1	2	5	18
Windows	0	0	0	0	0	0	0
Other	12	0.1	0	0	3	0	9
None or Unknown	11,591	99.4	40	230	414	1,204	9,703
TOTAL	11,662	100	40	232	420	1,214	9,756

UPPER PENINSULA DRIVER HAZARDOUS ACTION

HAZARDOUS ACTION	MOTOR VEHICLES		FATAL CRASH	INJURY CRASH			PROPERTY DAMAGE ONLY
	Number of Vehicles	% of Total		A	B	C	
None	6,787	58.2	14	89	163	562	5,959
Speed too fast	1,063	9.1	2	42	56	142	821
Speed too slow	8	0.1	0	0	1	2	5
Failed to yield	960	8.2	3	23	55	167	712
Disregard traffic control	152	1.3	2	2	13	27	108
Drove wrong way	14	0.1	0	0	0	3	11
Drove left of center	64	0.5	1	8	1	4	50
Improper passing	43	0.4	0	2	5	5	31
Improper lane use	132	1.1	1	1	5	9	116
Improper turn	102	0.9	1	0	8	10	83
Improper/no signal	26	0.2	0	0	1	2	23
Improper backing	325	2.8	0	0	2	4	319
Unable to stop in assured clear distance	913	7.8	0	7	25	140	741
Reckless driving	58	0.5	4	9	8	13	24
Careless/negligent driving	446	3.8	5	33	41	67	300
Other	328	2.8	2	10	23	38	255
Unknown	241	2.1	5	6	13	19	198
TOTAL	11,662	100	40	232	420	1,214	9,756

UPPER PENINSULA MICHIGAN BICYCLE CRASHES

2015 BICYCLIST FATALITIES AND INJURIES



In 2015 in the Upper Peninsula, there were 36 bicyclists involved in motor vehicles crashes, with 0 bicyclists killed and 26 injured.

BICYCLE HELMET USE AND INJURY SEVERITY

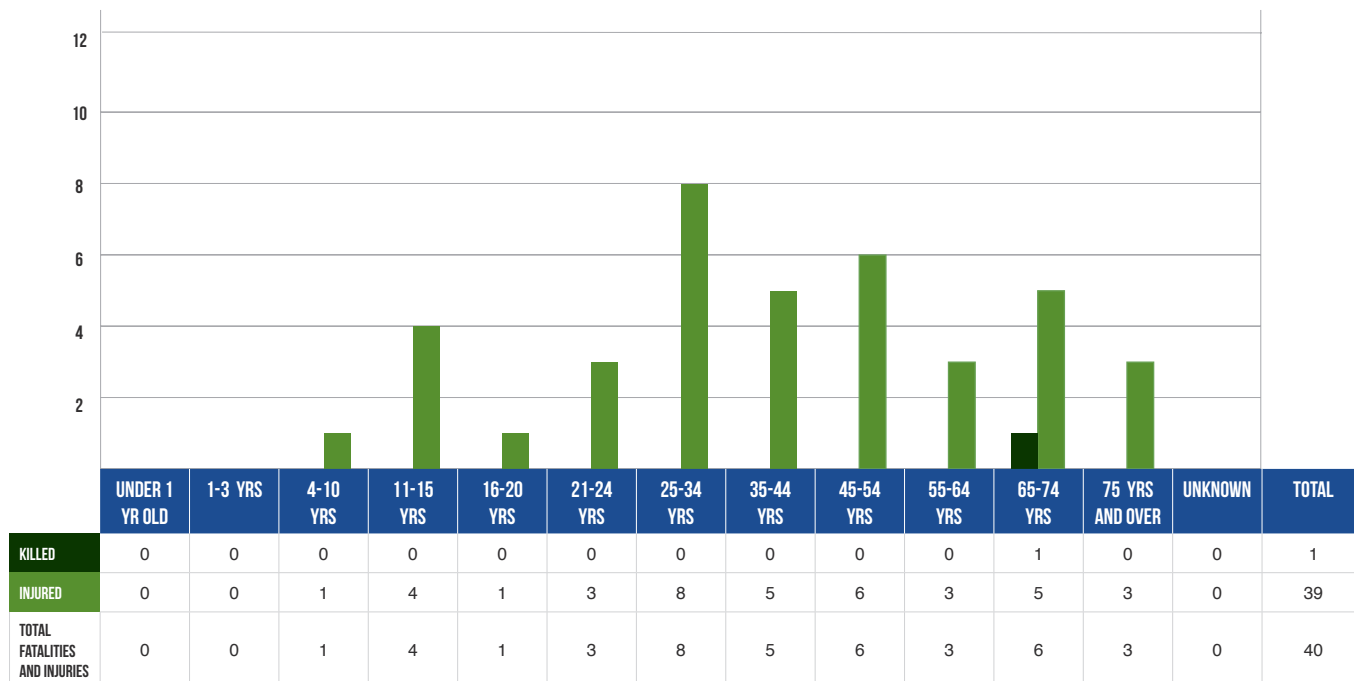
HELMET USE	FATALITY	INJURY			NO INJURY
		A	B	C	
Worn	0	1	1	0	2
Not worn	0	0	4	9	2
Unknown	0	5	3	3	5
Total	0	6	8	12	9

Note: One bicyclist had an unknown degree of injury and was not represented in this table.

The National Center for Statistics and Analysis of the National Highway Traffic Safety Administration cites a study by the Centers for Disease Control [12]: "Bicycle helmets are 85 to 88 percent effective in mitigating head and brain injuries in all types of bicycle accidents, making the use of helmets the single most effective countermeasure available to reduce head injuries and fatalities resulting from bicycle crashes."

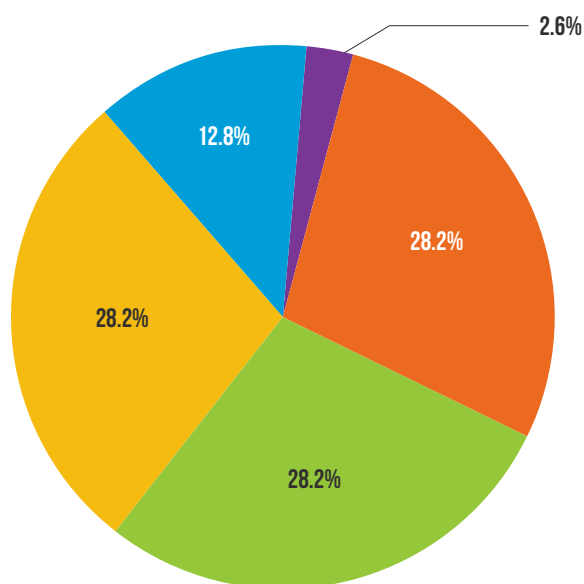
UPPER PENINSULA MICHIGAN PEDESTRIAN CRASHES

2015 PEDESTRIAN FATALITIES AND INJURIES



In 2015 in the Upper Peninsula, there were 42 pedestrians involved in motor vehicles crashes, with 1 pedestrian killed and 39 injured.

■ 0–10 YEARS
 ■ 11–20 YEARS
 ■ 21–34 YEARS
 ■ 35–54 YEARS
 ■ 55 AND OVER
 ■ UNKNOWN



PEDESTRIANS INJURED

UPPER PENINSULA MICHIGAN SNOWMOBILE CRASHES ON PUBLIC ROADWAYS - MOST HARMFUL EVENT

NONCOLLISION	SNOWMOBILES		FATAL CRASH	INJURY CRASH			PROPERTY DAMAGE ONLY
	Number of Snowmobiles	% of Total		A	B	C	
Loss of control	0	0.0	0	0	0	0	0
Cross center/median	0	0.0	0	0	0	0	0
Ran off road left	0	0.0	0	0	0	0	0
Ran off road right	0	0.0	0	0	0	0	0
Re-enter road	0	0.0	0	0	0	0	0
Overturn	4	10.0	0	1	0	2	1
Separation of units	0	0.0	0	0	0	0	0
Fire/explosion	1	2.5	0	0	0	0	1
Immersion	0	0.0	0	0	0	0	0
Jackknife	0	0.0	0	0	0	0	0
Downhill runaway	0	0.0	0	0	0	0	0
Cargo loss/shift	0	0.0	0	0	0	0	0
Individual fell off	5	12.5	0	1	1	2	1
Other noncollision	3	7.5	0	0	1	1	1
SUBTOTAL	13	32.5	0	2	2	5	4

COLLISION WITH A NONFIXED OBJECT	SNOWMOBILES		FATAL CRASH	INJURY CRASH			PROPERTY DAMAGE ONLY
	Number of Snowmobiles	% of Total		A	B	C	
Pedestrian	0	0.0	0	0	0	0	0
Bicycle / Pedalcycle	0	0.0	0	0	0	0	0
Motor vehicle in transport	19	47.5	0	5	0	7	7
Parked motor vehicle	1	2.5	0	1	0	0	0
Railway train	0	0.0	0	0	0	0	0
Animal	0	0.0	0	0	0	0	0
Other nonfixed objects	1	2.5	0	0	0	0	1
SUBTOTAL	21	52.5	0	6	0	7	8

UPPER PENINSULA MICHIGAN SNOWMOBILE CRASHES ON PUBLIC ROADWAYS - MOST HARMFUL EVENT (CONTINUED)

COLLISION WITH A FIXED OBJECT	SNOWMOBILES		FATAL CRASH	INJURY CRASH			PROPERTY DAMAGE ONLY
	Number of Snowmobiles	% of Total		A	B	C	
Bridge/pier/abutment	0	0.0	0	0	0	0	0
Bridge parapet end*	---	---	---	---	---	---	---
Bridge rail	0	0.0	0	0	0	0	0
Guardrail face	0	0.0	0	0	0	0	0
Guardrail end	0	0.0	0	0	0	0	0
Median barrier	0	0.0	0	0	0	0	0
Highway traffic sign post	0	0.0	0	0	0	0	0
Highway signal post	0	0.0	0	0	0	0	0
Luminaire/light support*	0	0.0	0	0	0	0	0
Utility pole*	---	---	---	---	---	---	---
Other pole	0	0.0	0	0	0	0	0
Culvert	0	0.0	0	0	0	0	0
Curb	0	0.0	0	0	0	0	0
Ditch	0	0.0	0	0	0	0	0
Embankment	0	0.0	0	0	0	0	0
Fence	1	2.5	0	1	0	0	0
Mailbox	0	0.0	0	0	0	0	0
Tree	3	7.5	0	0	0	1	2
Rail crossing signal	0	0.0	0	0	0	0	0
Building	0	0.0	0	0	0	0	0
Traffic island	0	0.0	0	0	0	0	0
Fire hydrant	0	0.0	0	0	0	0	0
Impact attenuator	0	0.0	0	0	0	0	0
Other fixed object	2	5.0	0	1	1	0	0
SUBTOTAL	6	15.0	0	2	1	1	2

*Data not available for 2015. For a complete list of changes, see Data Elements with Changes for 2015 Data

	SNOWMOBILES		FATAL CRASH	INJURY CRASH			PROPERTY DAMAGE ONLY
	Number of Snowmobiles	% of Total		A	B	C	
Unknown Event	0	0.0	0	0	0	0	0
MOST HARMFUL EVENT TOTAL	40	100.0	0	10	3	13	14

Note: These crashes involve a motor vehicle in transport on a public trafficway and result in injury, death, or at least \$1,000 in property damage.

A total of 40 snowmobiles were reported in crashes on Upper Peninsula public roadways during 2015, resulting in no fatal crashes. An additional 26 snowmobiles were involved in injury crashes.

UPPER PENINSULA MICHIGAN ORV/ATV CRASHES ON PUBLIC ROADWAYS - MOST HARMFUL EVENT

NONCOLLISION	ORV/ATV		FATAL CRASH	INJURY CRASH			PROPERTY DAMAGE ONLY
	Number of ORV/ATVs	% of Total		A	B	C	
Loss of control	2	4.0	0	0	2	0	0
Cross center/median	0	0.0	0	0	0	0	0
Ran off road left	0	0.0	0	0	0	0	0
Ran off road right	0	0.0	0	0	0	0	0
Re-enter road	0	0.0	0	0	0	0	0
Overturn	13	26.0	0	1	6	6	0
Separation of units	1	2.0	0	0	1	0	0
Fire/explosion	1	2.0	0	0	0	0	1
Immersion	0	0.0	0	0	0	0	0
Jackknife	0	0.0	0	0	0	0	0
Downhill runaway	0	0.0	0	0	0	0	0
Cargo loss/shift	0	0.0	0	0	0	0	0
Individual fell off	9	18.0	0	4	4	1	0
Other noncollision	1	2.0	0	0	1	0	0
SUBTOTAL	27	54.0	0	5	14	7	1

COLLISION WITH A NONFIXED OBJECT	ORV/ATV		FATAL CRASH	INJURY CRASH			PROPERTY DAMAGE ONLY
	Number of ORV/ATVs	% of Total		A	B	C	
Pedestrian	0	0.0	0	0	0	0	0
Bicycle / Pedalcycle	0	0.0	0	0	0	0	0
Motor vehicle in transport	9	18.0	0	1	1	2	5
Parked motor vehicle	1	2.0	0	0	0	1	0
Railway train	0	0.0	0	0	0	0	0
Animal	0	0.0	0	0	0	0	0
Other nonfixed objects	1	2.0	0	0	0	1	0
SUBTOTAL	11	22.0	0	1	1	4	5

UPPER PENINSULA MICHIGAN ORV/ATV CRASHES ON PUBLIC ROADWAYS - MOST HARMFUL EVENT (CONTINUED)

COLLISION WITH A FIXED OBJECT	ORV/ATV		FATAL CRASH	INJURY CRASH			PROPERTY DAMAGE ONLY
	Number of ORV/ATVs	% of Total		A	B	C	
Bridge/pier/abutment	0	0.0	0	0	0	0	0
Bridge parapet end*	---	---	---	---	---	---	---
Bridge rail	0	0.0	0	0	0	0	0
Guardrail face	0	0.0	0	0	0	0	0
Guardrail end	0	0.0	0	0	0	0	0
Median barrier	0	0.0	0	0	0	0	0
Highway traffic sign post	1	2.0	0	1	0	0	0
Highway signal post	0	0.0	0	0	0	0	0
Luminaire/light support*	0	0.0	0	0	0	0	0
Utility pole*	---	---	---	---	---	---	---
Other pole	0	0.0	0	0	0	0	0
Culvert	0	0.0	0	0	0	0	0
Curb	0	0.0	0	0	0	0	0
Ditch	1	2.0	0	1	0	0	0
Embankment	0	0.0	0	0	0	0	0
Fence	0	0.0	0	0	0	0	0
Mailbox	1	2.0	0	1	0	0	0
Tree	6	12.0	0	4	0	2	0
Rail crossing signal	0	0.0	0	0	0	0	0
Building	0	0.0	0	0	0	0	0
Traffic island	0	0.0	0	0	0	0	0
Fire hydrant	0	0.0	0	0	0	0	0
Impact attenuator	0	0.0	0	0	0	0	0
Other fixed object	1	2.0	0	1	0	0	0
SUBTOTAL	10	20.0	0	8	0	2	0

*Data not available for 2015. For a complete list of changes, see Data Elements with Changes for 2015 Data

	ORV/ATV		FATAL CRASH	INJURY CRASH			PROPERTY DAMAGE ONLY
	Number of ORV/ATVs	% of Total		A	B	C	
Unknown Event	2	4.0	0	0	0	0	2
MOST HARMFUL EVENT TOTAL	50	100.0	0	14	15	13	8

Note: These crashes involve a motor vehicle in transport on a public trafficway and result in injury, death, or at least \$1,000 in property damage.

A total of 50 off-road/all-terrain vehicles were reported in crashes on Upper Peninsula public roadways during 2015, resulting in no fatal crashes. An additional 42 ORV/ATVs were involved in injury crashes.

UPPER PENINSULA MICHIGAN SNOWMOBILE CRASHES ON PUBLIC ROADWAYS

DRIVER HAZARDOUS ACTION	SNOWMOBILES		FATAL CRASH	INJURY CRASH			PROPERTY DAMAGE ONLY
	Number of Snowmobiles	% of Total		A	B	C	
None	15	37.5	0	4	2	3	6
Speed too fast	8	20.0	0	1	1	3	3
Speed too slow	0	0.0	0	0	0	0	0
Failed to yield	5	12.5	0	1	0	1	3
Disregard traffic control	0	0.0	0	0	0	0	0
Drove wrong way	1	2.5	0	0	0	1	0
Drove left of center	0	0.0	0	0	0	0	0
Improper passing	0	0.0	0	0	0	0	0
Improper lane use	0	0.0	0	0	0	0	0
Improper turn	0	0.0	0	0	0	0	0
Improper/no signal	1	2.5	0	0	0	1	0
Improper backing	0	0.0	0	0	0	0	0
Unable to stop in assured clear distance	3	7.5	0	1	0	2	0
Reckless driving	1	2.5	0	1	0	0	0
Careless/negligent driving	3	7.5	0	2	0	1	0
Other	3	7.5	0	0	0	1	2
Unknown	0	0.0	0	0	0	0	0
TOTAL	40	100.0	0	10	3	13	14

UPPER PENINSULA MICHIGAN ORV/ATV CRASHES ON PUBLIC ROADWAYS

DRIVER HAZARDOUS ACTION	ORV/ATV		FATAL CRASH	INJURY CRASH			PROPERTY DAMAGE ONLY
	Number of ORV/ATVs	% of Total		A	B	C	
None	11	22.0	0	2	3	3	3
Speed too fast	12	24.0	0	5	3	4	0
Speed too slow	0	0.0	0	0	0	0	0
Failed to yield	4	8.0	0	1	1	0	2
Disregard traffic control	0	0.0	0	0	0	0	0
Drove wrong way	0	0.0	0	0	0	0	0
Drove left of center	0	0.0	0	0	0	0	0
Improper passing	0	0.0	0	0	0	0	0
Improper lane use	0	0.0	0	0	0	0	0
Improper turn	1	2.0	0	0	0	1	0
Improper/no signal	0	0.0	0	0	0	0	0
Improper backing	0	0.0	0	0	0	0	0
Unable to stop in assured clear distance	2	4.0	0	0	1	0	1
Reckless driving	1	2.0	0	0	0	1	0
Careless/negligent driving	10	20.0	0	5	4	0	1
Other	7	14.0	0	1	3	2	1
Unknown	2	4.0	0	0	0	2	0
TOTAL	50	100.0	0	14	15	13	8

Note: These crashes involve a motor vehicle in transport on a public trafficway and result in injury, death, or at least \$1,000 in property damage.

UPPER PENINSULA MICHIGAN FARM EQUIPMENT CRASHES

FARM EQUIPMENT CRASHES	2014	2015	% CHANGE
Crashes	6	5	-16.7%
Fatalities	0	0	---
Injuries	0	2	---

Five crashes involving farm equipment and two passenger cars, one pickup, and five other vehicle types were reported on Upper Peninsula roadways during 2015. None of those crashes involved a fatality.

UPPER PENINSULA MICHIGAN VEHICLE-TRAIN CRASHES

VEHICLE-TRAIN CRASHES	2014	2015	% CHANGE
Crashes	8	0	-100.0%
Fatalities	1	0	-100.0%
Injuries	6	0	-100.0%

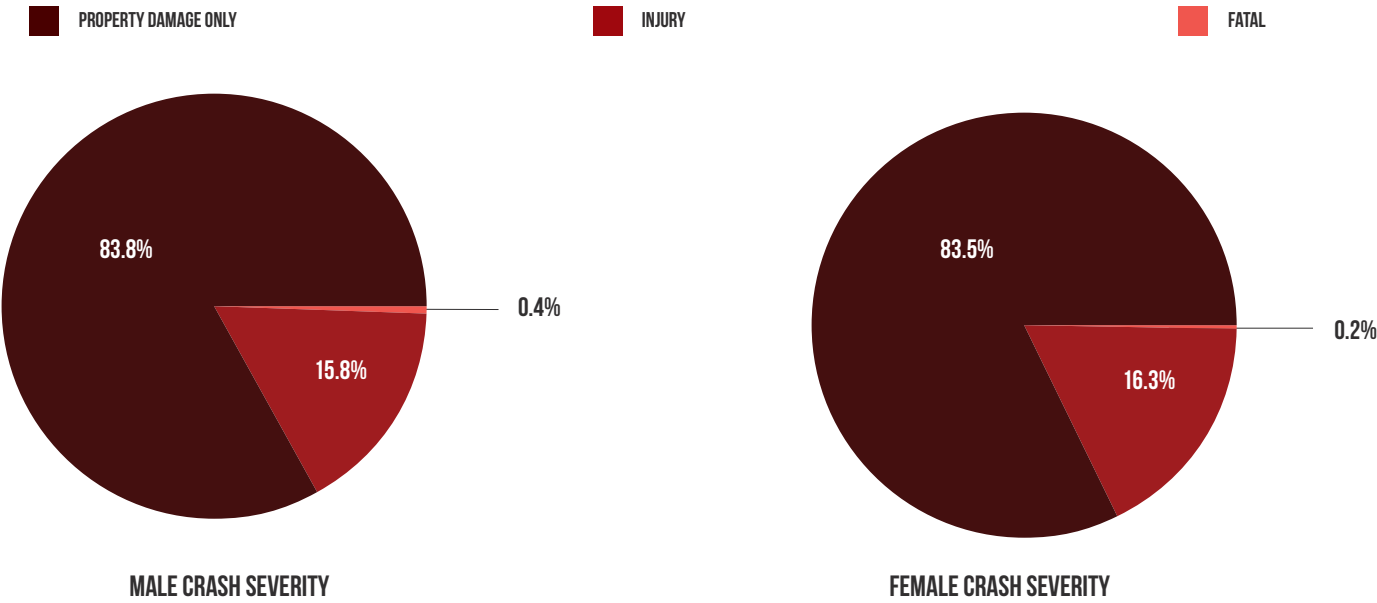
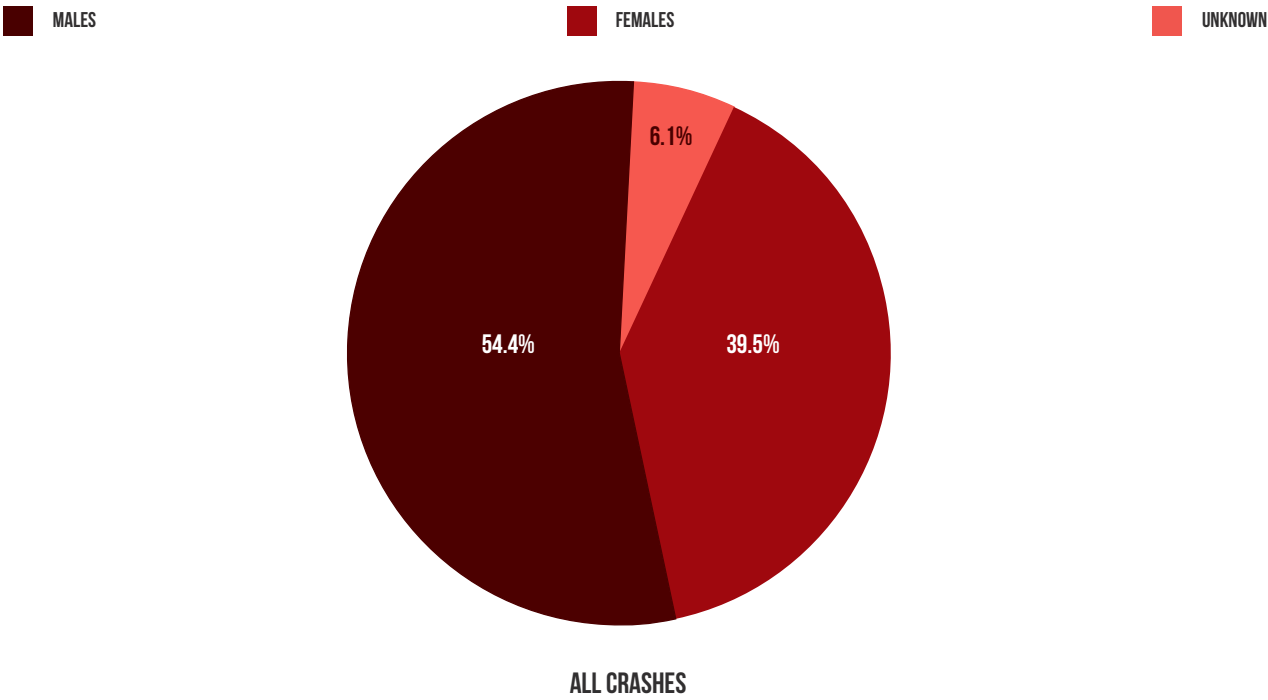
There were no crashes involving a train reported on the Upper Peninsula during 2015.

UPPER PENINSULA MICHIGAN MOTORCYCLE CRASHES

MOTORCYCLE DATA	2014	2015	% CHANGE
Motorcycle Registrations	9,312	9,287	-0.3
Motorcycles in Crashes	128	99	-22.7
Motorcyclist Deaths	3	4	33.3
Motorcyclists Injured	102	81	-20.6
Death Rate based on 10,000 motorcycle registrations	3.22	4.31	33.7
Estimated Mileage based on 3,000 miles per motorcycle	27,936,000	27,861,000	-0.3
Death Rate based on deaths per 100 million vehicle miles traveled	10.74	14.36	33.7

Motorcycles were involved in 1.2 percent of all traffic crashes in the Upper Peninsula in 2015. Injuries were proportionately more severe to motorcyclists than to persons in motor vehicles.

UPPER PENINSULA DRIVER GENDER INFORMATION



A higher proportion of crashes involved male drivers than female drivers. When examining the severity of crashes involving drivers of each gender, fatal crashes are more prevalent among male drivers than female drivers (0.4% vs. 0.2%).

UPPER PENINSULA PERSON AGE - DEMOGRAPHICS AND CRASH INVOLVEMENTS

AGE	LICENSED DRIVERS	MICHIGAN POPULATION	TOTAL DRIVERS IN CRASHES	DRIVERS IN FATAL CRASHES	OCCUPANTS KILLED	OCCUPANTS INJURED	TOTAL BICYCLISTS IN CRASHES	BICYCLISTS IN FATAL CRASHES	TOTAL PEDESTRIANS IN CRASHES	PEDESTRIANS IN FATAL CRASHES
0-15	1,551	49,199	30	0	0	87	7	0	6	0
16	2,390	3,477	179	0	0	35	0	0	0	0
17	2,624	3,567	243	2	1	33	1	0	0	0
18	2,595	4,317	275	1	0	56	2	0	0	0
19	2,849	5,273	312	2	2	46	1	0	0	0
20	3,013	5,429	312	1	1	43	0	0	1	0
21-24	12,770	19,500	1,040	5	0	140	6	0	3	0
25-29	15,285	16,061	961	4	4	119	3	0	4	0
30-34	14,872	16,719	848	2	1	118	1	0	5	0
35-39	14,503	16,186	794	3	1	120	4	0	1	0
40-44	14,216	16,197	738	1	0	82	1	0	4	0
45-49	16,023	17,925	855	0	1	92	0	0	3	0
50-54	19,638	21,804	934	5	4	116	1	0	3	0
55-59	22,401	23,974	968	2	2	124	4	0	2	0
60-64	22,966	23,778	779	3	1	95	0	0	1	0
65-69	19,830	20,325	630	3	2	90	2	0	4	1
70-74	13,889	14,618	405	4	1	49	1	0	2	1
75-79	10,203	11,028	307	1	1	43	1	0	1	0
80-84	6,655	7,739	172	1	2	28	0	0	2	0
85+	5,367	8,615	127	0	0	19	0	0	0	0
Unknown	---	---	753	0	0	3	1	0	0	0
TOTAL	223,640	305,731	11,662	40	24	1,538	36	0	42	2

UPPER PENINSULA CRASH RATE PER LICENSED DRIVER BY AGE OF DRIVER IN ALL CRASHES

AGE	LICENSED DRIVERS	TOTAL DRIVERS IN CRASHES*	CRASH RATE
0-15	1,551	30	0.019
16	2,390	179	0.075
17	2,624	243	0.093
18	2,595	275	0.106
19	2,849	312	0.110
20	3,013	312	0.104
21-24	12,770	1,040	0.081
25-29	15,285	961	0.063
30-34	14,872	848	0.057
35-39	14,503	794	0.055
40-44	14,216	738	0.052
45-49	16,023	855	0.053
50-54	19,638	934	0.048
55-59	22,401	968	0.043
60-64	22,966	779	0.034
65-69	19,830	630	0.032
70-74	13,889	405	0.029
75-79	10,203	307	0.030
80-84	6,655	172	0.026
85-89	3,953	103	0.026
90-94	1,211	23	0.019
95-99	196	1	0.005
100+	7	0	0.000
Total	223,640	10,909	---

Note: Data entry errors resulted in an over-representation of age "100+" drivers.

* Excludes 915 drivers with unknown age

Licensed drivers age 19 have the highest crash rate at 0.110 (total crashes in age group divided by total number of licensed drivers in age group). The lower crash rates of the older groups (per licensed driver) may reflect reduced driving and exposure to the risk of a crash.

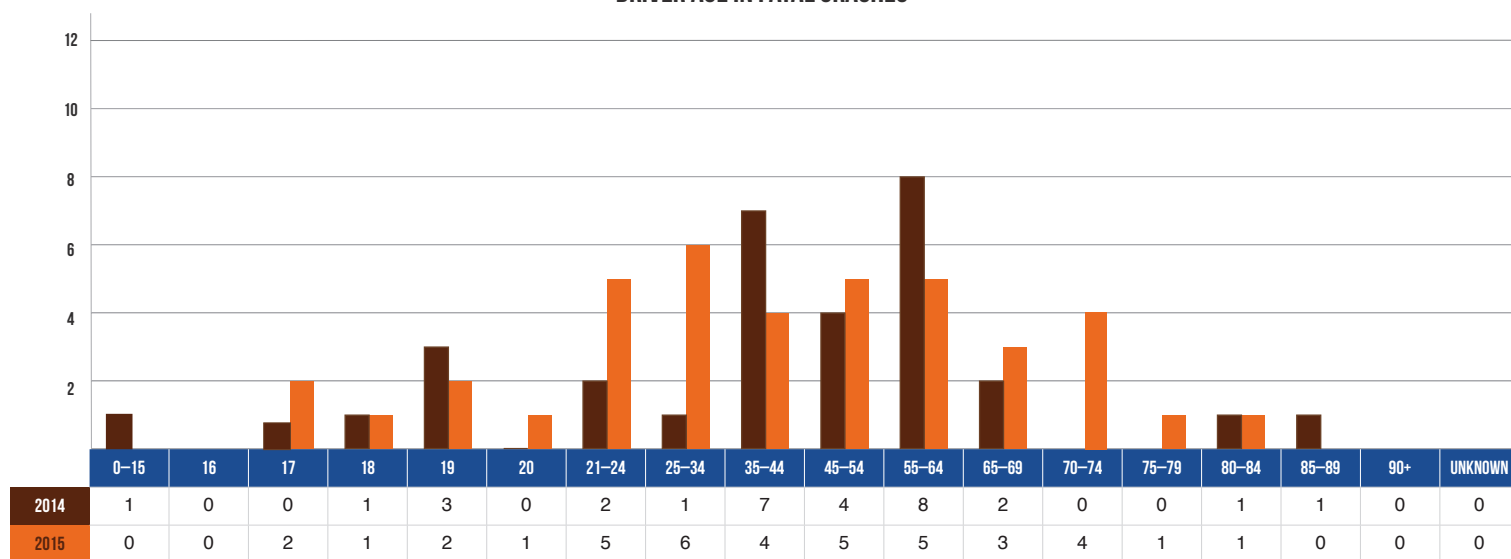
UPPER PENINSULA DRIVER AGE

AGE OF DRIVERS IN FATAL CRASHES	2014	2015	PERCENT CHANGE	PERCENT 2015 FATAL CRASH INVOLVEMENT	PERCENT ACTIVE DRIVING POPULATION*
15 years and under	1	0	-100.0	0.0	0.7
16 years	0	0	†	0.0	1.1
17 years	0	2	†	5.0	1.2
18 years	1	1	0.0	2.5	1.2
19 years	3	2	-33.3	5.0	1.3
20 years	0	1	†	2.5	1.3
21 - 24 years	2	5	150.0	12.5	5.7
25 - 34 years	1	6	500.0	15.0	13.5
35 - 44 years	7	4	-42.9	10.0	12.8
45 - 54 years	4	5	25.0	12.5	14.3
55 - 64 years	8	5	-37.5	12.5	20.3
65 - 69 years	2	3	50.0	7.5	8.9
70 - 74 years	0	4	†	10.0	6.2
75 - 79 years	0	1	†	2.5	4.6
80 - 84 years	1	1	0.0	2.5	3.0
85 - 89 years	1	0	-100.0	0.0	1.8
90 years and over	0	0	†	0.0	0.6
Unknown	0	0	†	0.0	---
Total	31	40	29.0	100.0	100.0

*Figures courtesy of the Michigan Department of State [5]

† Not calculable

DRIVER AGE IN FATAL CRASHES



UPPER PENINSULA DRIVER CONDITION

POSSIBLE CONDITIONS OF DRIVER	CONDITIONS (CODED BY POLICE)	FATAL CRASHES	INJURY CRASHES			PROPERTY DAMAGE ONLY
			A	B	C	
Appeared Normal	9,740	17	162	319	1,062	8,180
Had Been Drinking*	---	---	---	---	---	---
Illegal Drug Use*	---	---	---	---	---	---
Sick	23	1	4	4	4	10
Fatigue	63	0	5	5	13	40
Asleep*	---	---	---	---	---	---
Medication	18	0	2	0	7	9
Driver Distracted*	---	---	---	---	---	---
Using Cellular Phone*	---	---	---	---	---	---
Unknown	737	15	30	28	34	630

Note: Drivers may have more than one condition including "Appeared Normal." These are driver conditions that, in the opinion of the investigating officer, were involved in the crash. While some conditions may be evident, others (such as distraction) will only be known if the driver admits to the condition, thus leading to possible underreporting.

*Data not available for 2015. For a complete list of changes, see Data Elements with Changes for 2015 Data."

UPPER PENINSULA DRIVER INJURY SEVERITY BY RESTRAINT, ALCOHOL, AND DRUG USE

RESTRAINT USAGE	DRIVERS		FATALITY		INJURY			NO INJURY	UNKNOWN
	Number	% of Total	Number	% of Total	A	B	C		
ALL DRIVERS									
Restraint Used*	10,391	89.1	8	40.0	98	198	680	9,402	5
Restraint Not Used	243	2.1	10	50.0	23	32	40	135	3
Unknown	1,028	8.8	2	10.0	9	18	25	280	694
TOTAL	11,662	100.0	20	100.0	130	248	745	9,817	702
DRINKING DRIVERS ONLY									
Restraint Used*	192	72.2	2	33.3	12	25	19	134	0
Restraint Not Used	25	9.4	4	66.7	4	8	5	4	0
Unknown	49	18.4	0	0.0	2	6	6	35	0
TOTAL	266	100.0	6	100.0	18	39	30	173	0
DRUGGED DRIVERS ONLY									
Restraint Used*	28	66.7	0	0.0	0	4	8	16	0
Restraint Not Used	5	11.9	1	100.0	0	2	0	2	0
Unknown	9	21.4	0	0.0	0	1	1	7	0
TOTAL	42	100.0	1	100.0	0	7	9	25	0
DRINKING AND DRUGGED DRIVERS ONLY									
Restraint Used*	18	56.2	0	0.0	1	0	3	14	0
Restraint Not Used	5	15.6	1	100.0	2	0	0	2	0
Unknown	9	28.1	0	0.0	2	2	1	4	0
TOTAL	32	100.0	1	100.0	5	2	4	20	0

*"Restraint Used" includes shoulder belt only, lap belt only, both lap and shoulder belts, restraint failed, and helmet worn