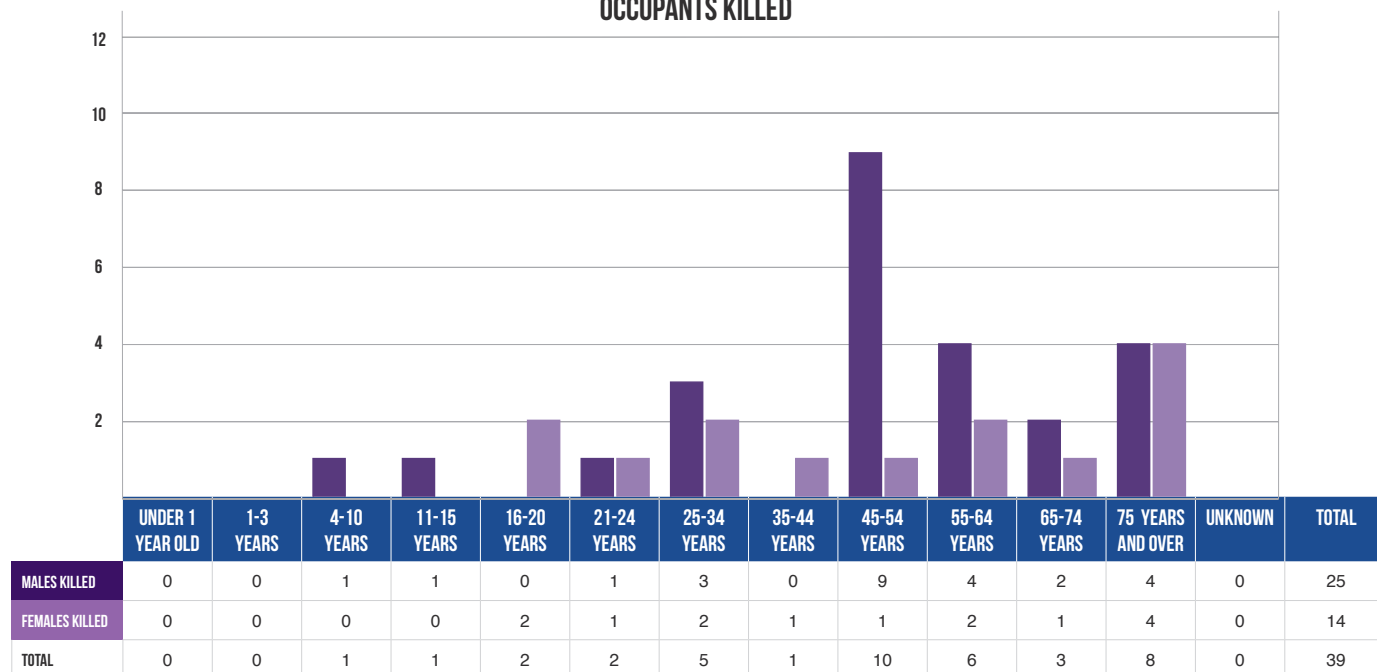


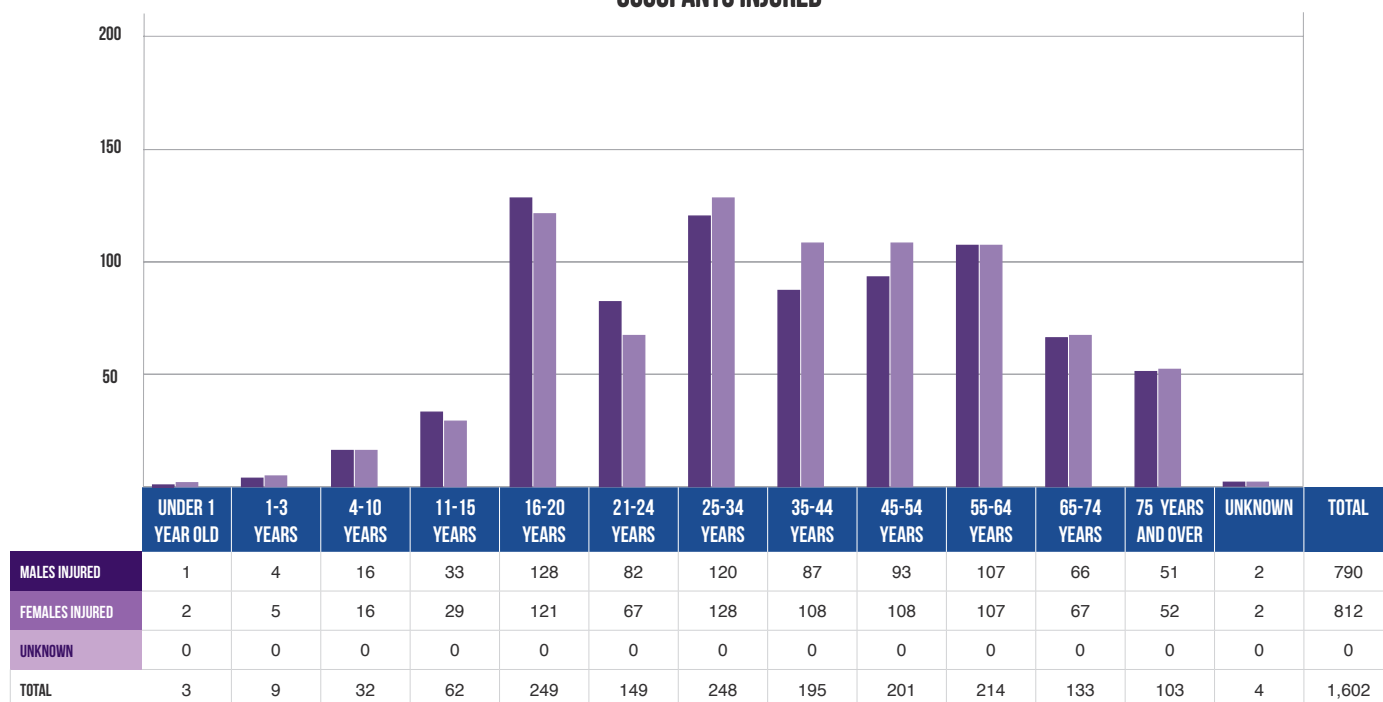
UPPER PENINSULA AGE AND GENDER OF OCCUPANTS KILLED OR INJURED IN MOTOR VEHICLE CRASHES

OCCUPANTS KILLED



The majority (64.1%) of occupants killed in traffic crashes in 2017 were male.

OCCUPANTS INJURED

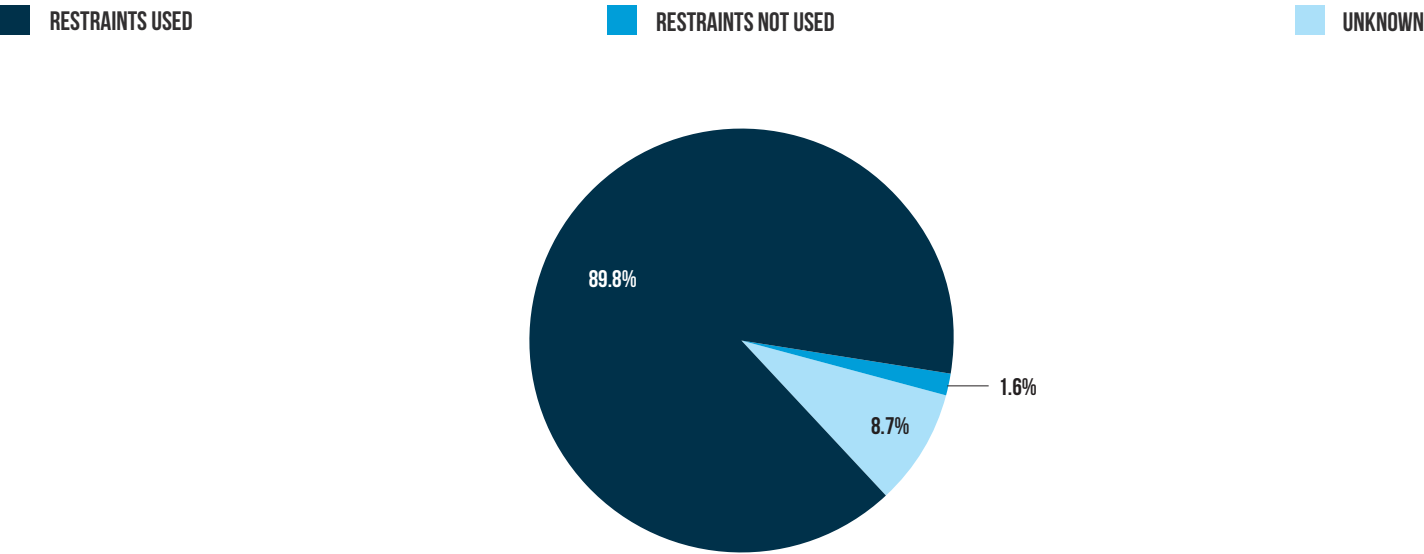


The majority (50.7%) of occupants injured in traffic crashes in 2017 were female.

Note: Occupants include all drivers plus all injured or killed persons in or on a motor vehicle.

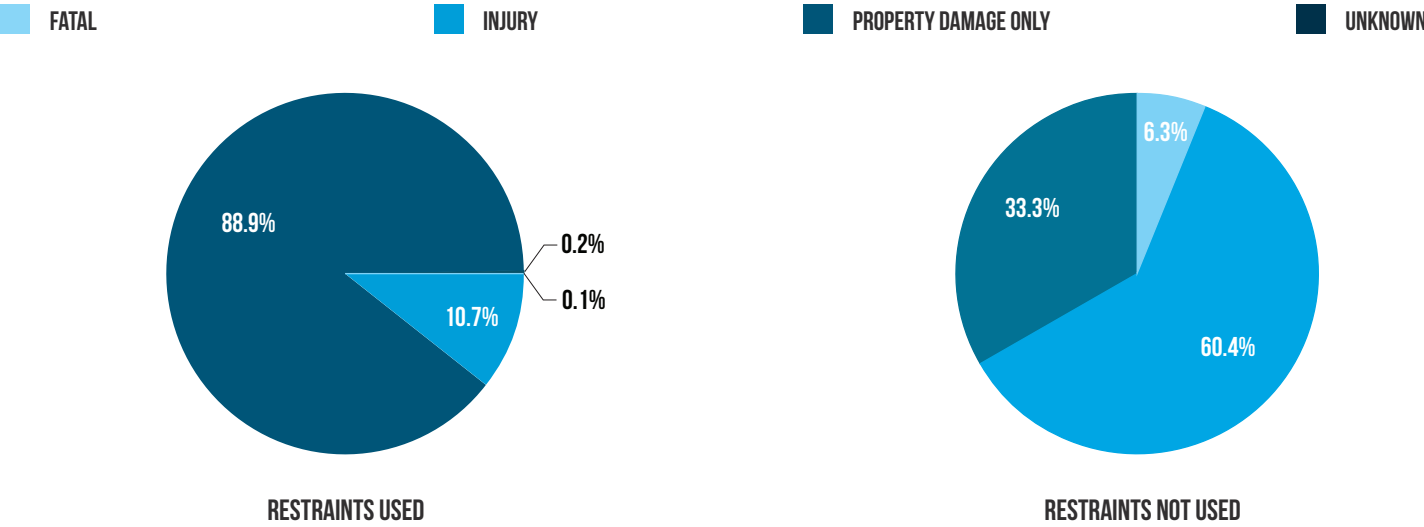
UPPER PENINSULA REPORTED OCCUPANT RESTRAINT USAGE FOR ALL DRIVERS AND INJURED PASSENGERS

REPORTED OCCUPANT RESTRAINT USAGE



Of the 13,293 drivers and injured passengers involved in crashes in the Upper Peninsula, 11,934 (89.8%) were REPORTED to be using occupant restraints.

INJURY SEVERITY



Occupants in crashes were 54 times more likely to be killed if they were not wearing their restraints.

Note: These charts do not include helmet usage.

UPPER PENINSULA MOTOR VEHICLE DRIVERS AND INJURED PASSENGERS BY SEATING POSITION AND KNOWN BELT USAGE

SEATING POSITION	BELTS USED*		FATAL	INJURY			NO INJURY
	Number	% of Total		A	B	C	
Left Front	11,569	97.3	9	89	230	640	10,601
Center Front	23	0.2	1	1	6	11	4
Right Front	223	1.9	4	26	47	141	5
Left Rear Second Seat	24	0.2	0	4	4	16	0
Center Rear Second Seat	3	0.0	0	1	0	2	0
Right Rear Second Seat	33	0.3	0	6	10	17	0
Left Rear Third Seat	3	0.0	0	0	1	2	0
Center Rear Third Seat	2	0.0	0	0	1	1	0
Right Rear Third Seat	3	0.0	0	0	1	2	0
Left Rear Fourth Seat	1	0.0	0	0	0	1	0
Center Rear Fourth Seat	0	0.0	0	0	0	0	0
Right Rear Fourth Seat	0	0.0	0	0	0	0	0
Other Passenger Area	1	0.0	0	0	0	1	0
Unknown	2	0.0	0	0	0	0	2
Uncoded & Errors	2	0.0	0	0	0	0	2
TOTAL †	11,889	100.0	14	127	300	834	10,614

* Belts Used includes use of lap, shoulder, or both belts, or restraint failure. Children who were using or not using a child restraint are in separate tables on the next two pages.

† This total does not include 26 occupants with unknown injury severity.

SEATING POSITION	BELTS NOT USED*		FATAL	INJURY			NO INJURY
	Number	% of Total		A	B	C	
Left Front	138	66.7	9	30	22	17	60
Center Front	6	2.9	0	3	0	1	2
Right Front	22	10.6	3	6	8	5	0
Left Rear Second Seat	9	4.3	0	3	4	2	0
Center Rear Second Seat	0	0.0	0	0	0	0	0
Right Rear Second Seat	14	6.8	0	5	4	5	0
Left Rear Third Seat	2	1.0	0	0	1	1	0
Center Rear Third Seat	0	0.0	0	0	0	0	0
Right Rear Third Seat	0	0.0	0	0	0	0	0
Left Rear Fourth Seat	0	0.0	0	0	0	0	0
Center Rear Fourth Seat	0	0.0	0	0	0	0	0
Right Rear Fourth Seat	0	0.0	0	0	0	0	0
Other Passenger Area	9	4.3	1	2	1	4	1
Unknown	7	3.4	0	0	0	1	6
Uncoded & Errors	0	0.0	0	0	0	0	0
TOTAL	207	100.0	13	49	40	36	69

* No belts were available or no belts were used. Children who were using or not using a child restraint are in separate tables on the next two pages.

Note: Michigan law requires that all persons must wear a seatbelt when riding in the front seat of a motor vehicle.

UPPER PENINSULA REPORTED RESTRAINT USE - CHILDREN

On July 1, 2008, Michigan law was amended. (<http://legislature.mi.gov/doc.aspx?mcl-257-710e>)

Any child under four years of age must be in an approved Child Safety Seat (CSS)/Child Restraint Device (CRD), and riding in the rear seat. All children less than 8 years of age AND who are less than 4'9" in height, must be properly restrained in a child restraint system. All children ages 8 through 15 must wear a properly adjusted and fastened seat belt when riding in either the front or back seat of a vehicle.

RESTRAINT USAGE	CHILDREN		FATAL	INJURY		
	Number	% of Total		A	B	C
AGE 0						
Belts Used	0	0.0	0	0	0	0
No Belts Used	0	0.0	0	0	0	0
Child Restraint Used - Forward Facing	1	33.3	0	0	1	0
Child Restraint Used - Rear Facing	2	66.7	0	0	0	2
Child Restraint Used - Booster Seat	0	0.0	0	0	0	0
Child Restraint Not Used	0	0.0	0	0	0	0
Restraint Failed	0	0.0	0	0	0	0
Unknown	0	0.0	0	0	0	0
Total	3	100.0	0	0	1	2
AGE 1						
Belts Used	1	20.0	0	0	0	1
No Belts Used	0	0.0	0	0	0	0
Child Restraint Used - Forward Facing	2	40.0	0	0	0	2
Child Restraint Used - Rear Facing	2	40.0	0	0	1	1
Child Restraint Used - Booster Seat	0	0.0	0	0	0	0
Child Restraint Not Used	0	0.0	0	0	0	0
Restraint Failed	0	0.0	0	0	0	0
Unknown	0	0.0	0	0	0	0
Total	5	100.0	0	0	1	4
AGE 2						
Belts Used	0	0.0	0	0	0	0
No Belts Used	0	0.0	0	0	0	0
Child Restraint Used - Forward Facing	1	100.0	0	0	0	1
Child Restraint Used - Rear Facing	0	0.0	0	0	0	0
Child Restraint Used - Booster Seat	0	0.0	0	0	0	0
Child Restraint Not Used	0	0.0	0	0	0	0
Restraint Failed	0	0.0	0	0	0	0
Unknown	0	0.0	0	0	0	0
Total	1	100.0	0	0	0	1

UPPER PENINSULA REPORTED RESTRAINT USE - CHILDREN (CONTINUED)

RESTRAINT USAGE	CHILDREN		FATAL	INJURY		
	Number	% of Total		A	B	C
AGE 3						
Belts Used	0	0.0	0	0	0	0
No Belts Used	0	0.0	0	0	0	0
Child Restraint Used - Forward Facing	2	66.7	0	0	0	2
Child Restraint Used - Rear Facing	0	0.0	0	0	0	0
Child Restraint Used - Booster Seat	1	33.3	0	0	0	1
Child Restraint Not Used	0	0.0	0	0	0	0
Restraint Failed	0	0.0	0	0	0	0
Unknown	0	0.0	0	0	0	0
Total	3	100.0	0	0	0	3
AGE 4-7						
Belts Used	5	35.7	0	2	1	2
No Belts Used	3	21.4	1	0	1	1
Child Restraint Used - Forward Facing	3	21.4	0	0	1	2
Child Restraint Used - Rear Facing	0	0.0	0	0	0	0
Child Restraint Used - Booster Seat	3	21.4	0	0	1	2
Child Restraint Not Used	0	0.0	0	0	0	0
Restraint Failed	0	0.0	0	0	0	0
Unknown	0	0.0	0	0	0	0
Total	14	100.0	1	2	4	7
AGE 8-15						
Belts Used	55	75.3	1	5	19	30
No Belts Used	13	17.8	0	6	5	2
Child Restraint Used - Forward Facing	0	0.0	0	0	0	0
Child Restraint Used - Rear Facing	0	0.0	0	0	0	0
Child Restraint Used - Booster Seat	0	0.0	0	0	0	0
Child Restraint Not Used	0	0.0	0	0	0	0
Restraint Failed	1	1.4	0	0	1	0
Unknown	4	5.5	0	1	1	2
Total	73	100.0	1	12	26	34

Information about uninjured passengers is not required to be reported by the officer on the crash report, thus these tables relate the experience of only those children with injuries in crashes.

Note: Safety equipment usage is often self-reported and may not reflect actual usage.

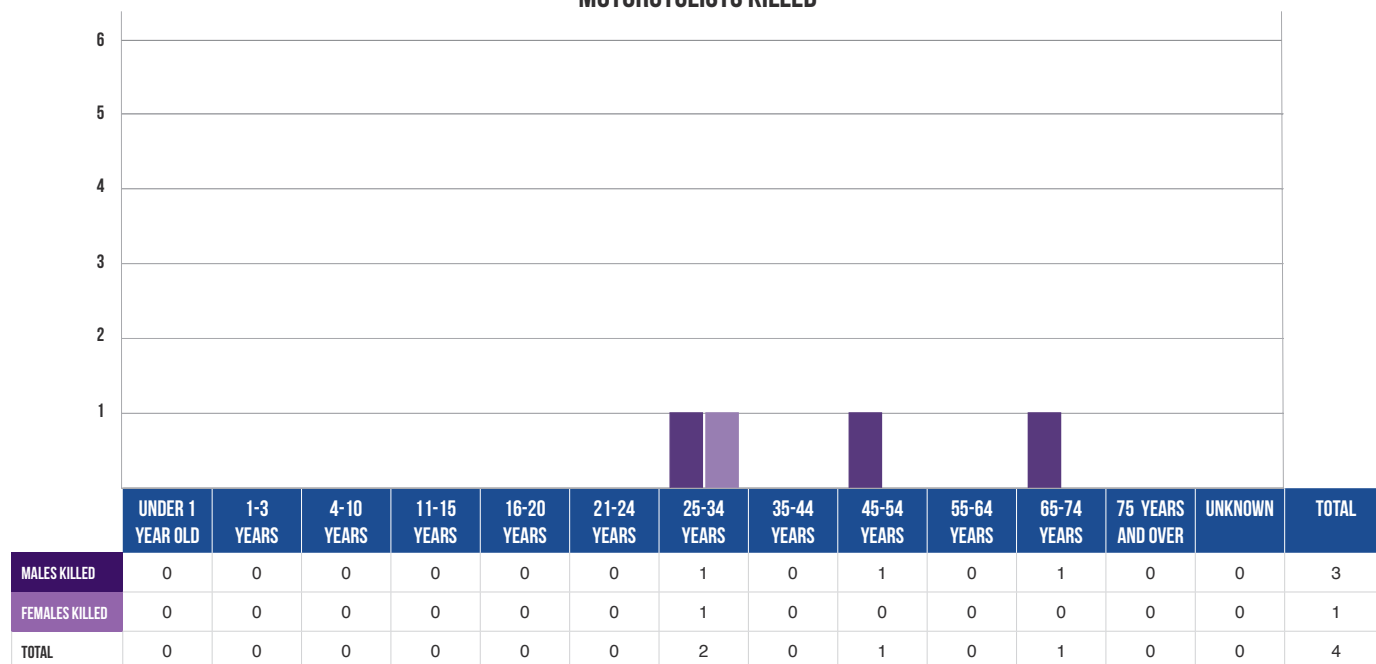
UPPER PENINSULA MOTOR VEHICLE OCCUPANT INJURY SEVERITY BY KNOWN AIRBAG DEPLOYMENT

MOTOR VEHICLE OCCUPANT AIRBAG DEPLOYMENT	OCCUPANTS*		FATAL	OCCUPANT INJURY SEVERITY			NO INJURY
	Number	% of Total		A	B	C	
Deployed - front	780	5.8	11	51	106	173	437
Deployed - side	115	0.9	1	4	8	30	72
Deployed - curtain	76	0.6	0	4	17	21	34
Deployed - combination	246	1.8	5	30	37	68	106
Deployed - other	4	0.0	0	0	0	0	4
Not deployed	11,004	81.7	8	68	164	577	10,161
Not equipped	460	3.4	14	78	69	64	233
Unknown	709	5.3	0	5	9	11	63
Uncoded & Errors	80	0.6	0	2	1	5	15
TOTAL	13,474	100.0	39	242	411	949	11,125

* Includes 708 occupants (drivers and passengers) with unknown injury severity.

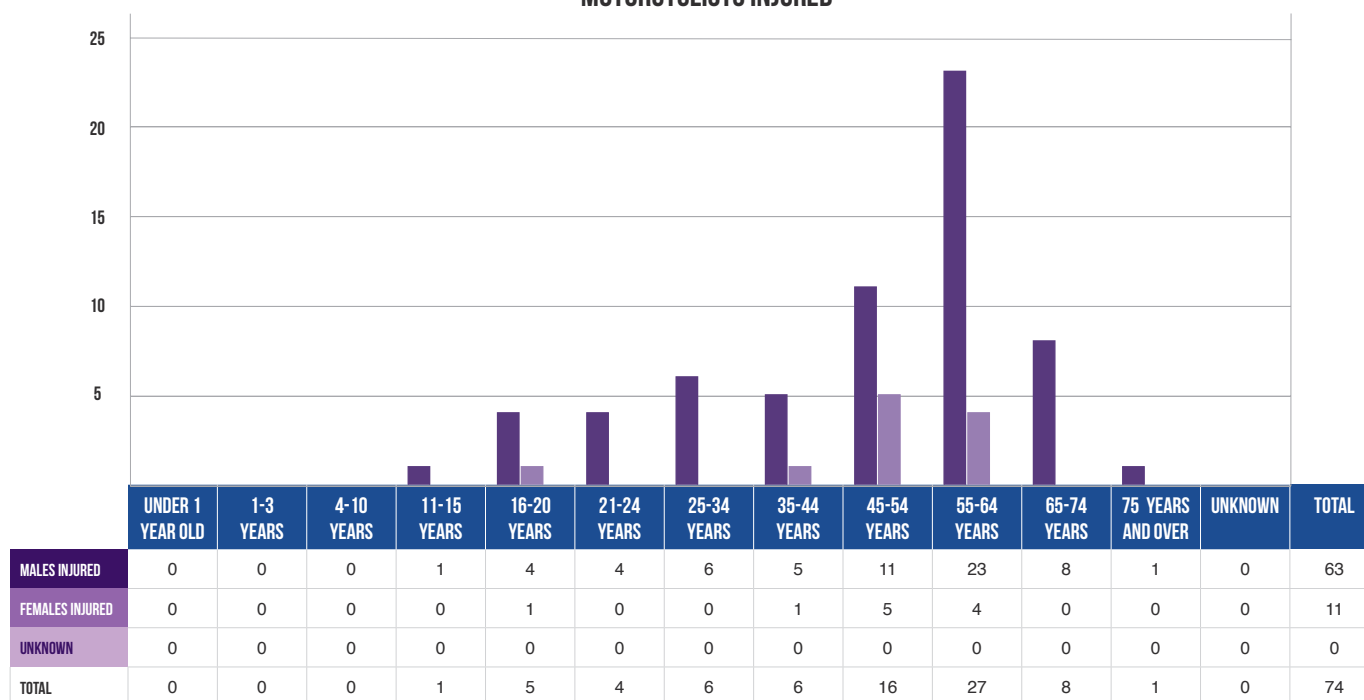
UPPER PENINSULA AGE AND GENDER OF MOTORCYCLISTS KILLED OR INJURED IN MOTOR VEHICLE CRASHES

MOTORCYCLISTS KILLED



Of the four motorcyclists killed in traffic crashes in the Upper Peninsula in 2017, three were male and one was female.

MOTORCYCLISTS INJURED



Of the 74 motorcyclists injured in traffic crashes in the Upper Peninsula in 2017, 85.1 percent were male.

UPPER PENINSULA MOTORCYCLE HELMET USAGE AND INJURY SEVERITY

AGE OF MOTORCYCLIST	FATALITIES	INJURY			NO INJURY
		A	B	C	
HELMET WORN					
3 years and under	0	0	0	0	0
4 - 10 years	0	0	0	0	0
11 - 15 years	0	0	1	0	0
16 - 20 years	0	0	2	1	2
21 - 24 years	0	2	0	0	2
25 - 34 years	1	1	3	0	2
35 - 44 years	0	1	0	1	0
45 - 54 years	0	3	2	4	4
55 - 64 years	0	3	9	4	4
65 - 74 years	1	2	1	3	2
75 years and over	0	0	1	0	0
Unknown	0	0	0	0	0
Subtotal	2	12	19	13	16
HELMET NOT WORN					
3 years and under	0	0	0	0	0
4 - 10 years	0	0	0	0	0
11 - 15 years	0	0	0	0	0
16 - 20 years	0	0	1	1	0
21 - 24 years	0	0	1	1	3
25 - 34 years	1	1	0	0	0
35 - 44 years	0	1	3	0	1
45 - 54 years	1	0	4	2	2
55 - 64 years	0	7	3	0	3
65 - 74 years	0	1	1	0	1
75 years and over	0	0	0	0	0
Unknown	0	0	0	0	0
Subtotal	2	10	13	4	10
HELMET USE UNKNOWN					
3 years and under	0	0	0	0	0
4 - 10 years	0	0	0	0	0
11 - 15 years	0	0	0	0	0
16 - 20 years	0	0	0	0	1
21 - 24 years	0	0	0	0	0
25 - 34 years	0	1	0	0	0
35 - 44 years	0	0	0	0	1
45 - 54 years	0	0	1	0	0
55 - 64 years	0	1	0	0	1
65 - 74 years	0	0	0	0	1
75 years and over	0	0	0	0	0
Unknown	0	0	0	0	0
Subtotal	0	2	1	0	4
TOTAL	4	24	33	17	30

2011 Michigan motor vehicle crash data represents the last full year of data that was collected during Michigan's universal helmet law, enacted in 1969: Michigan Vehicle Code Public Act 300 of 1949, Section 257.658, requiring all motorcycle riders to wear a helmet. On April 13, 2012, Michigan changed their helmet law from a universal to a partial helmet law. The partial law allows some certified Michigan riders, who are over 21 and carry additional insurance, to ride without a helmet.

HELMET WORN



DRIVERS KILLED: 2
PASSENGERS KILLED: 0

HELMET NOT WORN



DRIVERS KILLED: 1
PASSENGERS KILLED: 1

HELMET USE UNKNOWN



DRIVERS KILLED: 0
PASSENGERS KILLED: 0

UPPER PENINSULA OCCUPANT INJURY OUTCOME BY VEHICLE TYPE

VEHICLE	KILLED	INJURY			TOTAL KABC	% OF ALL CRASH INVOLVED KABC OCCUPANTS
		A	B	C		
Passenger Car, SUV, Van	22	122	253	732	1,129	68.8
Motorhome	0	0	0	2	2	0.1
Pickup truck	2	48	83	159	292	17.8
Small Truck under 10,000 lbs. GVWR	1	3	2	2	8	0.5
Motorcycle	4	24	33	17	78	4.8
Moped / goped	1	1	8	3	13	0.8
Go-cart / golf cart	1	1	0	1	3	0.2
Snowmobile	3	14	4	7	28	1.7
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	3	25	22	10	60	3.7
Other	0	0	4	5	9	0.5
Unknown	0	0	0	0	0	0.0
CDL Truck/Bus (breakdown below)	2	4	2	11	19	1.2
Total Number of Occupants	39	242	411	949	1,641	100.0

HEAVY TRUCK/BUS GROSS VEHICLE WEIGHT RATING	KILLED	INJURY			TOTAL KABC	% OF ALL CRASH INVOLVED KABC OCCUPANTS
		A	B	C		
10,000 lbs. or less	0	0	0	0	0	0.0
10,001 - 26,000 lbs.	1	1	2	7	11	57.9
Greater than 26,000 lbs.	1	3	0	4	8	42.1
Uncoded & Errors	0	0	0	0	0	0.0
Total Number of Occupants	2	4	2	11	19	100.0

Note:

1) School bus is not recorded on the UD-10 and cannot be broken out of CDL Truck/Bus.

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