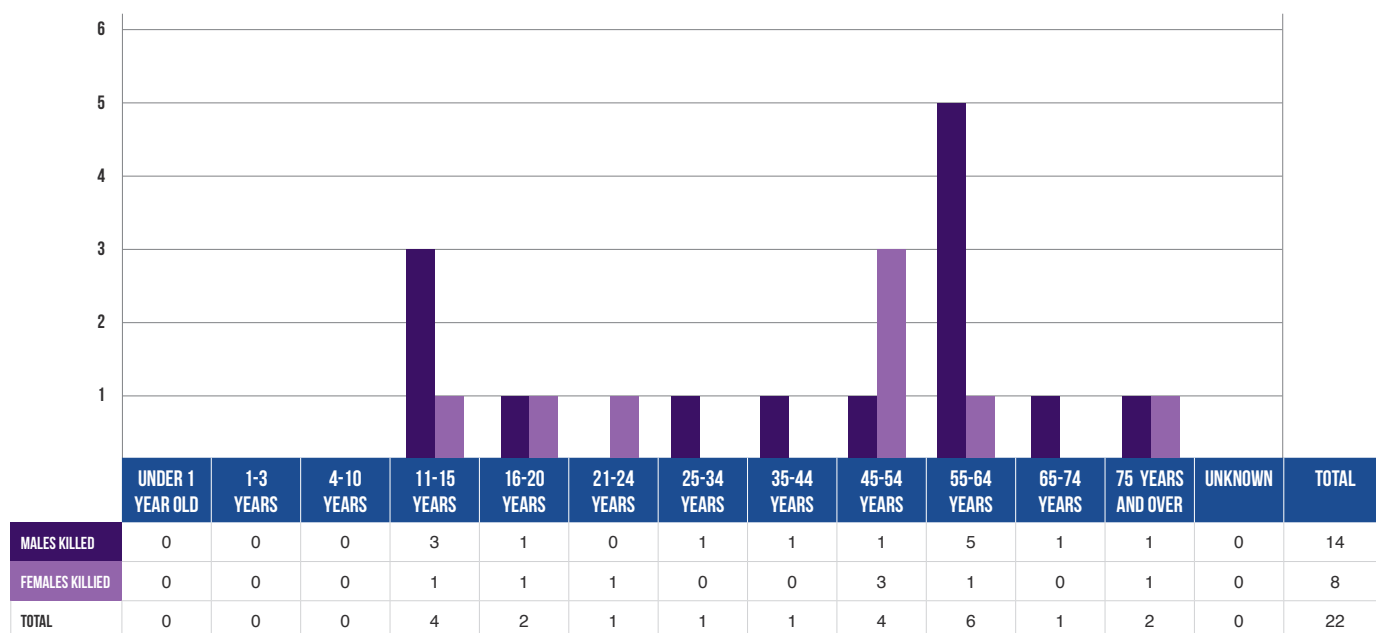


## UPPER PENINSULA AGE AND GENDER OF OCCUPANTS KILLED OR INJURED IN MOTOR VEHICLE CRASHES

### OCCUPANTS KILLED



The majority (63.6%) of occupants killed in traffic crashes in 2014 were male.

### OCCUPANTS INJURED

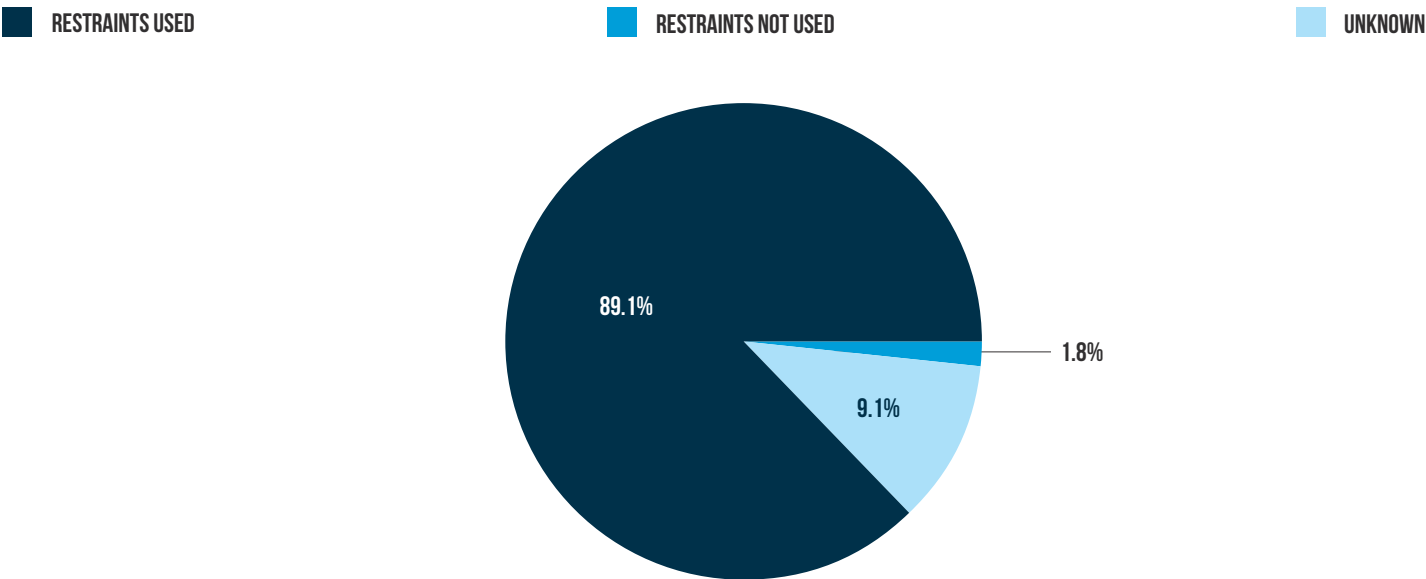


The majority (52.2%) of occupants injured in traffic crashes in 2014 were female.

*Note: An occupant is any injured or killed person in or on a motor vehicle, including all drivers.*

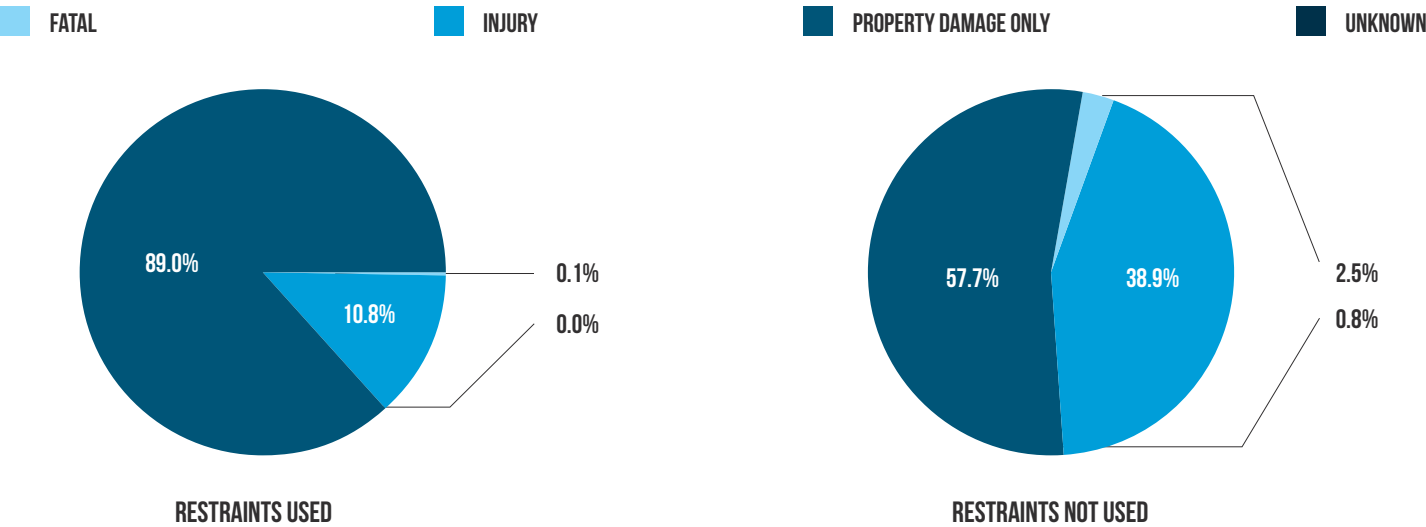
# UPPER PENINSULA REPORTED OCCUPANT RESTRAINT USAGE FOR ALL DRIVERS AND INJURED PASSENGERS

## REPORTED OCCUPANT RESTRAINT USAGE



Of the 13,425 drivers and injured passengers involved in crashes in the Upper Peninsula, 11,960 (89.1%) were REPORTED to be using occupant restraints.

## INJURY SEVERITY



Occupants in crashes were 25 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 OCCUPANTS & INJURY SEVERITY BY SEATING POSITION AND KNOWN BELT USAGE

SEATING POSITION	BELTS USED*		FATAL	INJURY			NO INJURY
	Number	% of Total		A	B	C	
Left Front	11,618	97.4	8	66	190	723	10,631
Center Front	7	0.1	0	0	1	3	3
Right Front	227	1.9	2	21	37	161	6
Left Rear	24	0.2	0	2	5	17	0
Center Rear	9	0.1	0	1	3	5	0
Right Rear	28	0.2	0	3	9	16	0
Left Rear Third Seat	5	0.0	0	0	2	3	0
Center Rear Third Seat	0	0.0	0	0	0	0	0
Right Rear Third Seat	7	0.1	0	0	3	4	0
Unknown	4	0.0	0	0	0	1	3
<b>TOTAL</b>	<b>11,929†</b>	<b>100.0</b>	<b>10</b>	<b>93</b>	<b>250</b>	<b>933</b>	<b>10,643</b>

\* A lap belt, shoulder belt, or a combination of lap and shoulder belts were used. Children who were coded as using or not using a child restraint device appear in separate tables on the next two pages.

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

SEATING POSITION	BELTS NOT USED*		FATAL	INJURY			NO INJURY
	Number	% of Total		A	B	C	
Left Front	183	78.2	4	10	15	23	131
Center Front	0	0.0	0	0	0	0	0
Right Front	19	8.1	0	4	7	8	0
Left Rear	7	3.0	1	1	2	3	0
Center Rear	4	1.7	0	0	0	4	0
Right Rear	8	3.4	1	2	2	3	0
Left Rear Third Seat	2	0.9	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
Unknown	11	4.7	0	0	0	4	7
<b>TOTAL</b>	<b>234†</b>	<b>100.0</b>	<b>6</b>	<b>17</b>	<b>27</b>	<b>46</b>	<b>138</b>

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

† This total does not include two occupant with unknown injury severity

*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	1	100.0	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	1	100.0	0	0	0	1
AGE 1						
Belts Used	0	0.0	0	0	0	0
No Belts Used	0	0.0	0	0	0	0
Child Restraint Used	2	100.0	0	0	2	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	2	100.0	0	0	2	0
AGE 2						
Belts Used	0	0.0	0	0	0	0
No Belts Used	0	0.0	0	0	0	0
Child Restraint Used	3	100.0	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	3	100.0	0	0	1	2

## 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	2	100.0	0	0	1	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	2	100.0	0	0	1	1
AGE 4-7						
Belts Used	13	43.3	0	1	3	9
No Belts Used	0	0.0	0	0	0	0
Child Restraint Used	13	43.3	0	3	1	9
Child Restraint Not Used	3	10.0	0	1	2	0
Restraint Failed	0	0.0	0	0	0	0
Unknown	1	3.3	0	0	1	0
TOTAL	30	100.0	0	5	7	18
AGE 8-15						
Belts Used	43	89.6	1	1	7	34
No Belts Used	5	10.4	2	0	1	2
Child Restraint Used	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	48	100.0	3	1	8	36

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.*

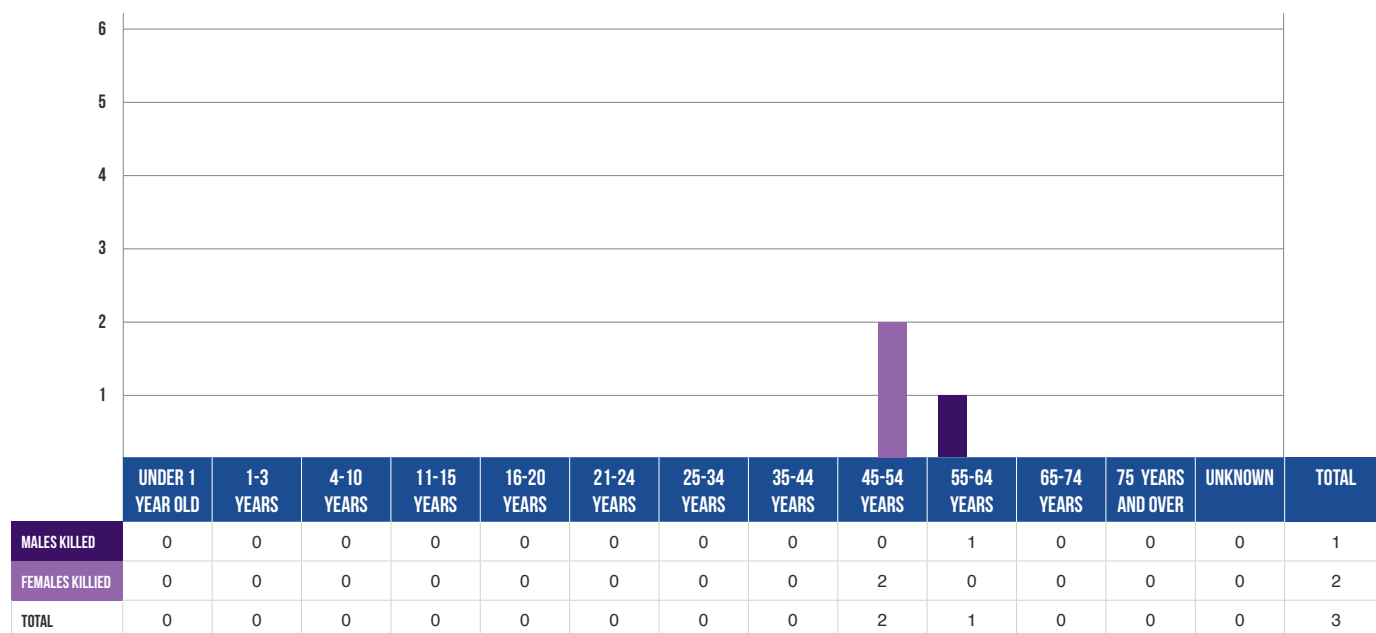
## UPPER PENINSULA MOTOR VEHICLE OCCUPANT INJURY SEVERITY BY KNOWN AIRBAG DEPLOYMENT

MOTOR VEHICLE OCCUPANT AIRBAG DEPLOYMENT	OCCUPANTS		FATAL	OCCUPANT INJURY SEVERITY			NO INJURY
	Number	% of Total		A	B	C	
Deployed	948	6.9	11	56	122	267	488
Not deployed	11,301	82.6	2	55	149	673	10,270
Not equipped	678	5.0	9	69	88	130	372
Unknown	761	5.6	0	6	3	9	59
<b>TOTAL</b>	<b>*13,688</b>	<b>100.0</b>	<b>22</b>	<b>186</b>	<b>362</b>	<b>1,079</b>	<b>11,189</b>

\* Includes 850 occupants (drivers and passengers) with unknown injury severity.

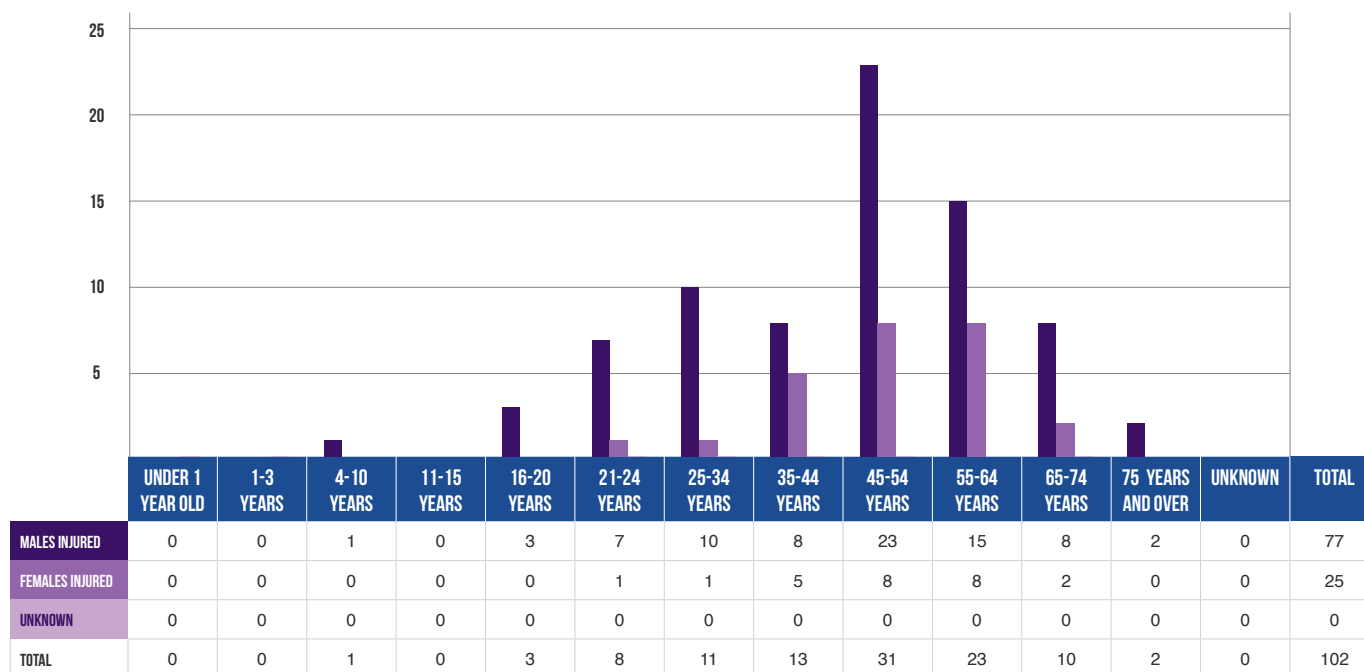
# UPPER PENINSULA AGE AND GENDER OF MOTORCYCLISTS KILLED OR INJURED IN MOTOR VEHICLE CRASHES

## MOTORCYCLISTS KILLED



Of the three motorcyclists killed in traffic crashes in the Upper Peninsula in 2014, one was male and two were female.

## MOTORCYCLISTS INJURED



Of the 102 motorcyclists injured in traffic crashes in the Upper Peninsula in 2014, 75.5 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	1	0	0
11 - 15 years	0	0	0	0	1
16 - 20 years	0	0	3	0	0
21 - 24 years	0	2	1	1	0
25 - 34 years	0	2	3	3	1
35 - 44 years	0	4	2	2	4
45 - 54 years	0	10	8	3	7
55 - 64 years	0	4	4	10	9
65 - 74 years	0	3	3	2	6
75 years and over	0	0	0	0	0
Unknown	0	0	0	0	0
Subtotal	0	25	25	21	28
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	0	0	0
21 - 24 years	0	1	2	1	0
25 - 34 years	0	2	0	0	1
35 - 44 years	0	1	2	1	1
45 - 54 years	2	4	2	2	1
55 - 64 years	1	3	2	0	2
65 - 74 years	0	1	1	0	1
75 years and over	0	0	1	1	0
Unknown	0	0	0	0	0
Subtotal	3	12	10	5	6
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	0
21 - 24 years	0	0	0	0	0
25 - 34 years	0	0	0	1	0
35 - 44 years	0	0	1	0	1
45 - 54 years	0	1	0	1	0
55 - 64 years	0	0	0	0	2
65 - 74 years	0	0	0	0	0
75 years and over	0	0	0	0	0
Unknown	0	0	0	0	0
Subtotal	0	1	1	2	3
TOTAL	3	38	36	28	37

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: 0  
PASSENGERS KILLED: 0

### HELMET NOT WORN



DRIVERS KILLED: 1  
PASSENGERS KILLED: 2

### 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 and Station Wagon	11	87	227	755	1,080	65.5
Van (Minivan) and Motorhome	0	9	11	48	68	4.1
Pickup	4	24	49	186	263	15.9
Small Truck (under 10,000 lbs.)	0	4	4	14	22	1.3
Motorcycle	3	38	36	28	105	6.4
Moped	1	0	8	2	11	0.7
Go Cart	0	2	1	1	4	0.2
Snowmobile	1	11	8	18	38	2.3
Off Road Vehicle	1	10	14	10	35	2.1
Other	0	0	1	2	3	0.2
Unknown	0	0	0	0	0	0.0
CDL Truck/Bus (breakdown below)	1	1	3	15	20	1.2
Total Number of Occupants	22	186	362	1,079	1,649	100.0

CDL TRUCK/BUS SUB-CATEGORY TYPE	KILLED	INJURY			TOTAL KABC	% OF ALL CRASH INVOLVED KABC OCCUPANTS
		A	B	C		
Commercial Vehicle: Group B**	1	1	2	4	8	40.0
Commercial Vehicle: Group C***	0	0	0	1	1	5.0
Other Truck	0	0	0	2	2	10.0
Unknown Truck	0	0	0	0	0	0.0
Total Number of Occupants	1	1	3	15	20	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.

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 roadway and result in injury, death, or at least \$1,000 in property damage.