

## 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	74,087	53.8	276	79.1	17,268	56.0
Turning left	11,292	8.2	19	5.4	2,970	9.6
Turning right	3,928	2.9	1	0.3	543	1.8
Stopped on roadway	10,523	7.6	6	1.7	2,497	8.1
In prior crash	261	0.2	2	0.6	64	0.2
Changing lanes	3,625	2.6	1	0.3	492	1.6
Backing	2,599	1.9	1	0.3	148	0.5
Slowing/stopping on roadway	14,028	10.2	3	0.9	2,734	8.9
Slowing/stopping other	231	0.2	0	0.0	50	0.2
Starting up on roadway	2,906	2.1	7	2.0	737	2.4
Starting up other	115	0.1	0	0.0	28	0.1
Entering parking	102	0.1	0	0.0	14	0.0
Leaving parking	452	0.3	0	0.0	91	0.3
Entering roadway	2,509	1.8	4	1.1	575	1.9
Leaving roadway	382	0.3	2	0.6	120	0.4
Making U-turn	284	0.2	3	0.9	68	0.2
Overtaking or passing	1,313	1.0	10	2.9	314	1.0
Avoiding object	246	0.2	1	0.3	62	0.2
Avoiding animal	630	0.5	2	0.6	176	0.6
Avoiding pedestrian	40	0.0	1	0.3	16	0.1
Avoiding vehicle (front/back)	1,534	1.1	8	2.3	371	1.2
Avoiding vehicle (angle)	618	0.4	2	0.6	154	0.5
Driverless moving	23	0.0	0	0.0	4	0.0
Parked	424	0.3	0	0.0	41	0.1
Crossing at intersection	11	0.0	0	0.0	2	0.0
Crossing not at intersection	7	0.0	0	0.0	2	0.0
Getting on/off vehicle	5	0.0	0	0.0	1	0.0
In roadway with traffic	1	0.0	0	0.0	0	0.0
In roadway against traffic	8	0.0	0	0.0	1	0.0
Standing/lying in roadway	0	0.0	0	0.0	0	0.0
Pushing/working on vehicle	3	0.0	0	0.0	1	0.0
Other working in roadway	99	0.1	0	0.0	22	0.1
Playing in roadway	16	0.0	0	0.0	4	0.0
In roadway other reason	8	0.0	0	0.0	2	0.0
Not in roadway	39	0.0	0	0.0	5	0.0
Other	39	0.0	0	0.0	14	0.0
Unknown	5,225	3.8	0	0.0	1,252	4.1
<b>Total Drivers</b>	<b>137,613</b>	<b>100.0</b>	<b>349</b>	<b>100.0</b>	<b>30,843</b>	<b>100.0</b>

## DRIVER AGE 16-24 (continued)

<b>MOST HARMFUL EVENT IN A NONCOLLISION</b>	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Loss of control	752	0.5	1	0.3	180	0.6
Cross center/median	150	0.1	0	0.0	50	0.2
Ran off road left	222	0.2	0	0.0	39	0.1
Ran off road right	349	0.3	0	0.0	76	0.2
Re-enter road	32	0.0	0	0.0	11	0.0
Overturn	3,102	2.3	27	7.7	1,457	4.7
Separation of units	107	0.1	0	0.0	20	0.1
Fire/explosion	154	0.1	3	0.9	23	0.1
Immersion	18	0.0	0	0.0	3	0.0
Jackknife	45	0.0	0	0.0	3	0.0
Downhill runaway	400	0.3	0	0.0	91	0.3
Cargo loss/shift	136	0.1	0	0.0	30	0.1
Individual fell off	132	0.1	1	0.3	107	0.3
Other noncollision	380	0.3	0	0.0	74	0.2
<b>NONCOLLISION Subtotal</b>	<b>5,979</b>	<b>4.3</b>	<b>32</b>	<b>9.2</b>	<b>2,164</b>	<b>7.0</b>

<b>MOST HARMFUL EVENT IN A COLLISION WITH A NONFIXED OBJECT</b>	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Pedestrian	443	0.3	19	5.4	381	1.2
Pedalcycle (Bicyclist)	321	0.2	9	2.6	266	0.9
Motor vehicle in transport	93,258	67.8	206	59.0	21,592	70.0
Parked motor vehicle	2,720	2.0	6	1.7	275	0.9
Railway train	68	0.0	0	0.0	20	0.1
Animal	9,098	6.6	0	0.0	221	0.7
Other nonfixed objects	941	0.7	0	0.0	97	0.3
<b>COLLISION NONFIXED Subtotal</b>	<b>106,849</b>	<b>77.6</b>	<b>240</b>	<b>68.8</b>	<b>22,852</b>	<b>74.1</b>

## DRIVER AGE 16-24 (continued)

<b>MOST HARMFUL EVENT IN A COLLISION WITH A FIXED OBJECT</b>	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Bridge/pier/abutment	158	0.1	2	0.6	48	0.2
Bridge parapet end	44	0.0	0	0.0	7	0.0
Bridge rail	154	0.1	1	0.3	36	0.1
Guardrail face	1,287	0.9	1	0.3	230	0.7
Guardrail end	226	0.2	0	0.0	51	0.2
Median barrier	1,186	0.9	2	0.6	297	1.0
Highway traffic sign post	1,042	0.8	0	0.0	58	0.2
Signal post	117	0.1	0	0.0	12	0.0
Luminaire/light support	208	0.2	0	0.0	47	0.2
Utility pole	1,386	1.0	7	2.0	456	1.5
Other pole	341	0.2	0	0.0	56	0.2
Culvert	263	0.2	3	0.9	88	0.3
Curb	774	0.6	1	0.3	106	0.3
Ditch	3,237	2.4	4	1.1	735	2.4
Embankment	617	0.4	2	0.6	194	0.6
Fence	465	0.3	0	0.0	57	0.2
Mailbox	831	0.6	2	0.6	47	0.2
Tree	4,778	3.5	49	14.0	1,596	5.2
Rail crossing signal	12	0.0	0	0.0	4	0.0
Building	250	0.2	0	0.0	77	0.2
Traffic island	13	0.0	0	0.0	1	0.0
Fire hydrant	200	0.1	0	0.0	33	0.1
Impact attenuator	14	0.0	0	0.0	4	0.0
Other fixed object	1,031	0.7	3	0.9	217	0.7
<b>COLLISION FIXED Subtotal</b>	<b>18,634</b>	<b>13.5</b>	<b>77</b>	<b>22.1</b>	<b>4,457</b>	<b>14.5</b>

Teens and young adults have the highest incidence of collision with ditches and trees 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	6,151	4.5	0	0.0	1,370	4.4
<b>TOTAL MOST HARMFUL EVENT</b>	<b>137,613</b>	<b>100.0</b>	<b>349</b>	<b>100.0</b>	<b>30,843</b>	<b>100.0</b>

## 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	32,819	23.8	124	35.5	6,640	21.5
Head On	2,475	1.8	58	16.6	1,043	3.4
Head On - Left Turn	5,045	3.7	9	2.6	1,927	6.2
Angle	32,211	23.4	109	31.2	8,822	28.6
Rear End	42,034	30.5	23	6.6	9,312	30.2
Rear End - Left Turn	2,087	1.5	1	0.3	580	1.9
Rear End - Right Turn	1,440	1.0	0	0.0	205	0.7
Sideswipe - Same Direction	11,627	8.4	5	1.4	1,016	3.3
Sideswipe - Opposite Direct	3,278	2.4	6	1.7	471	1.5
Other/Unknown	4,597	3.3	14	4.0	827	2.7
<b>Total Drivers</b>	<b>137,613</b>	<b>100.0</b>	<b>349</b>	<b>100.0</b>	<b>30,843</b>	<b>100.0</b>

Teen and young adult drivers are involved in the largest proportion of single vehicle 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	111,579	81.1	248	71.1	24,380	79.0
Median	892	0.6	6	1.7	251	0.8
Shoulder	5,650	4.1	21	6.0	1,308	4.2
Outside of Shoulder/Curb	11,786	8.6	60	17.2	3,212	10.4
Gore	374	0.3	2	0.6	99	0.3
Other/Unknown	7,332	5.3	12	3.4	1,593	5.2
<b>Total Drivers</b>	<b>137,613</b>	<b>100.0</b>	<b>349</b>	<b>100.0</b>	<b>30,843</b>	<b>100.0</b>

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	13,918	10.1	30	8.6	3,131	10.2
U.S. & Michigan Roads	38,319	27.8	100	28.7	8,561	27.8
County & City Roads	85,376	62.0	219	62.8	19,151	62.1
<b>Total Drivers</b>	<b>137,613</b>	<b>100.0</b>	<b>349</b>	<b>100.0</b>	<b>30,843</b>	<b>100.0</b>

## 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.	7,595	5.5	59	16.9	1,852	6.0
03:00 a.m. - 05:59 a.m.	3,864	2.8	33	9.5	949	3.1
06:00 a.m. - 08:59 a.m.	15,340	11.1	31	8.9	3,066	9.9
09:00 a.m. - 11:59 a.m.	14,849	10.8	28	8.0	3,303	10.7
12:00 noon – 02:59 p.m.	24,552	17.8	46	13.2	5,731	18.6
03:00 p.m. - 05:59 p.m.	35,223	25.6	53	15.2	7,963	25.8
06:00 p.m. - 08:59 p.m.	21,097	15.3	54	15.5	4,641	15.0
09:00 p.m. - 11:59 p.m.	14,612	10.6	42	12.0	3,235	10.5
Unknown	481	0.3	3	0.9	103	0.3
<b>Total Drivers</b>	<b>137,613</b>	<b>100.0</b>	<b>349</b>	<b>100.0</b>	<b>30,843</b>	<b>100.0</b>

3:00 PM 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	50,755	36.9	85	24.4	9,931	32.2	162	0.4
Speed too fast	15,414	11.2	69	19.8	3,656	11.9	5,837	14.0
Speed too slow	223	0.2	1	0.3	41	0.1	87	0.2
Failed to yield	14,947	10.9	35	10.0	4,042	13.1	9,128	22.0
Disregard traffic control	3,653	2.7	25	7.2	1,439	4.7	2,351	5.7
Drove wrong way	187	0.1	1	0.3	55	0.2	80	0.2
Drove left of center	819	0.6	23	6.6	273	0.9	347	0.8
Improper passing	838	0.6	2	0.6	132	0.4	388	0.9
Improper lane use	2,786	2.0	2	0.6	295	1.0	1,394	3.4
Improper turn	1,424	1.0	1	0.3	241	0.8	725	1.7
Improper/no signal	159	0.1	0	0.0	25	0.1	54	0.1
Improper backing	1,915	1.4	0	0.0	74	0.2	711	1.7
Unable to stop in assured clear distance	25,065	18.2	9	2.6	5,391	17.5	13,998	33.7
Reckless driving	1,013	0.7	25	7.2	422	1.4	538	1.3
Careless\Negligent driving	4,956	3.6	20	5.7	1,750	5.7	2,975	7.2
Other	5,473	4.0	19	5.4	1,282	4.2	1,928	4.6
Unknown	7,986	5.8	32	9.2	1,794	5.8	851	2.0
<b>Total Drivers</b>	<b>137,613</b>	<b>100.0</b>	<b>349</b>	<b>100.0</b>	<b>30,843</b>	<b>100.0</b>	<b>41,554</b>	<b>100.0</b>

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.

## 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	14,925	10.8	61	17.5	3,640	11.8
Monday	18,613	13.5	38	10.9	4,235	13.7
Tuesday	18,751	13.6	41	11.7	4,147	13.4
Wednesday	21,712	15.8	53	15.2	4,571	14.8
Thursday	21,533	15.6	38	10.9	4,570	14.8
Friday	23,806	17.3	60	17.2	5,350	17.3
Saturday	18,273	13.3	58	16.6	4,330	14.0
Total Drivers	137,613	100.0	349	100.0	30,843	100.0

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

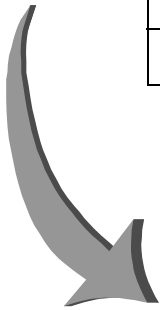
DRIVER GENDER IN CRASH	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Male	75,104	54.6	237	67.9	16,179	52.5
Female	62,418	45.4	112	32.1	14,653	47.5
Unknown	91	0.1	0	0.0	11	0.0
Total Drivers	137,613	100.0	349	100.0	30,843	100.0

OCCUPANTS IN MOTOR VEHICLE	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
1 occupant	94,483	68.7	196	56.2	19,436	63.0
2 occupants	28,008	20.4	92	26.4	7,193	23.3
3 occupants	7,597	5.5	27	7.7	2,258	7.3
4 occupants	2,895	2.1	23	6.6	867	2.8
5 occupants	907	0.7	8	2.3	300	1.0
6 + occupants	360	0.3	2	0.6	121	0.4
0 occupants	464	0.3	0	0.0	62	0.2
Unknown	2,899	2.1	1	0.3	606	2.0
Total Drivers	137,613	100.0	349	100.0	30,843	100.0

The 16-24 age group has the highest multiple-occupant crash percentage rates of the three age groups.

## 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	110,663	80.4	263	75.4	24,706	80.1
Van and Motorhome	4,480	3.3	12	3.4	1,070	3.5
Pickup	17,177	12.5	45	12.9	3,486	11.3
Small Truck (under 10,000 lbs.)	3,335	2.4	2	0.6	695	2.3
Motorcycle	617	0.4	16	4.6	493	1.6
Moped	68	0.0	0	0.0	53	0.2
Go Cart	4	0.0	0	0.0	3	0.0
Snowmobile	59	0.0	0	0.0	41	0.1
Off Road Vehicle	76	0.1	1	0.3	68	0.2
Other	157	0.1	0	0.0	39	0.1
Unknown	196	0.1	0	0.0	39	0.1
CDL Truck/Bus (breakdown below)	781	0.6	10	2.9	150	0.5
<b>Total Number of Drivers</b>	<b>137,613</b>	<b>100.0</b>	<b>349</b>	<b>100.0</b>	<b>30,843</b>	<b>100.0</b>



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	330	42.3	6	60.0	55	36.7
Commercial Vehicle: Group B	162	20.7	0	0.0	36	24.0
Commercial Vehicle: Group C	34	4.4	0	0.0	6	4.0
Other Truck	81	10.4	4	40.0	18	12.0
Unknown Truck	174	22.3	0	0.0	35	23.3
<b>Total Number of Drivers</b>	<b>781</b>	<b>100.0</b>	<b>10</b>	<b>100.0</b>	<b>150</b>	<b>100.0</b>

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.