

## DRIVER AGE 65 & OVER

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	20,590	46.9	129	60.8	5,067	47.7
Turning left	4,911	11.2	34	16.0	1,477	13.9
Turning right	1,510	3.4	3	1.4	204	1.9
Stopped on roadway	3,916	8.9	6	2.8	1,129	10.6
In prior crash	38	0.1	0	0.0	18	0.2
Changing lanes	1,285	2.9	1	0.5	108	1.0
Backing	1,507	3.4	2	0.9	61	0.6
Slowing/stopping on roadway	3,145	7.2	2	0.9	814	7.7
Slowing/stopping other	43	0.1	0	0.0	12	0.1
Starting up on roadway	1,127	2.6	11	5.2	314	3.0
Starting up other	33	0.1	1	0.5	5	0.0
Entering parking	74	0.2	0	0.0	8	0.1
Leaving parking	255	0.6	0	0.0	63	0.6
Entering roadway	1,097	2.5	10	4.7	269	2.5
Leaving roadway	57	0.1	2	0.9	19	0.2
Making U-turn	129	0.3	1	0.5	31	0.3
Overtaking or passing	265	0.6	1	0.5	32	0.3
Avoiding object	35	0.1	0	0.0	6	0.1
Avoiding animal	41	0.1	0	0.0	10	0.1
Avoiding pedestrian	7	0.0	0	0.0	4	0.0
Avoiding vehicle (front/back)	228	0.5	0	0.0	72	0.7
Avoiding vehicle (angle)	120	0.3	0	0.0	36	0.3
Driverless moving	7	0.0	0	0.0	4	0.0
Parked	160	0.4	0	0.0	22	0.2
Crossing at intersection	13	0.0	0	0.0	9	0.1
Crossing not at intersection	8	0.0	1	0.5	7	0.1
Getting on/off vehicle	2	0.0	0	0.0	1	0.0
In roadway with traffic	2	0.0	0	0.0	2	0.0
In roadway against traffic	2	0.0	0	0.0	2	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	1	0.0	0	0.0	0	0.0
Playing in roadway	0	0.0	0	0.0	0	0.0
In roadway other reason	0	0.0	0	0.0	0	0.0
Not in roadway	2	0.0	0	0.0	2	0.0
Other	37	0.1	1	0.5	10	0.1
Unknown	3,276	7.5	7	3.3	799	7.5
<b>Total Drivers</b>	<b>43,923</b>	<b>100.0</b>	<b>212</b>	<b>100.0</b>	<b>10,617</b>	<b>100.0</b>

## DRIVER AGE 65 & OVER (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	89	0.2	0	0.0	26	0.2
Cross center/median	40	0.1	0	0.0	7	0.1
Ran off road left	24	0.1	0	0.0	10	0.1
Ran off road right	49	0.1	0	0.0	14	0.1
Re-enter road	5	0.0	0	0.0	2	0.0
Overturn	251	0.6	10	4.7	142	1.3
Separation of units	59	0.1	1	0.5	7	0.1
Fire/explosion	31	0.1	0	0.0	6	0.1
Immersion	3	0.0	1	0.5	1	0.0
Jackknife	15	0.0	0	0.0	3	0.0
Downhill runaway	3	0.0	0	0.0	2	0.0
Cargo loss/shift	17	0.0	0	0.0	1	0.0
Individual fell off	11	0.0	1	0.5	7	0.1
Other noncollision	107	0.2	0	0.0	16	0.2
<b>NONCOLLISION Subtotal</b>	<b>704</b>	<b>1.6</b>	<b>13</b>	<b>6.1</b>	<b>244</b>	<b>2.3</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	175	0.4	8	3.8	148	1.4
Pedalcycle	177	0.4	2	0.9	126	1.2
Motor vehicle in transport	30,228	68.8	153	72.2	7,889	74.3
Parked motor vehicle	1,078	2.5	0	0.0	93	0.9
Railway train	10	0.0	1	0.5	3	0.0
Animal	3,196	7.3	0	0.0	76	0.7
Other nonfixed objects	351	0.8	0	0.0	28	0.3
<b>COLLISION NONFIXED Subtotal</b>	<b>35,215</b>	<b>80.2</b>	<b>164</b>	<b>77.4</b>	<b>8,363</b>	<b>78.8</b>

## DRIVER AGE 65 & OVER (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	17	0.0	0	0.0	9	0.1
Bridge parapet end	5	0.0	0	0.0	1	0.0
Bridge rail	11	0.0	0	0.0	3	0.0
Guardrail face	85	0.2	0	0.0	14	0.1
Guardrail end	20	0.0	1	0.5	2	0.0
Median barrier	72	0.2	0	0.0	29	0.3
Highway traffic sign post	125	0.3	0	0.0	14	0.1
Signal post	9	0.0	0	0.0	2	0.0
Luminaire/light support	33	0.1	0	0.0	9	0.1
Utility pole	171	0.4	1	0.5	89	0.8
Other pole	44	0.1	0	0.0	14	0.1
Culvert	29	0.1	1	0.5	11	0.1
Curb	82	0.2	0	0.0	11	0.1
Ditch	288	0.7	1	0.5	88	0.8
Embankment	68	0.2	1	0.5	25	0.2
Fence	48	0.1	0	0.0	8	0.1
Mailbox	83	0.2	0	0.0	8	0.1
Tree	504	1.1	17	8.0	188	1.8
Rail crossing signal	10	0.0	0	0.0	1	0.0
Building	54	0.1	1	0.5	32	0.3
Traffic island	2	0.0	0	0.0	1	0.0
Fire hydrant	22	0.1	0	0.0	6	0.1
Impact attenuator	4	0.0	0	0.0	1	0.0
Other fixed object	142	0.3	0	0.0	33	0.3
<b>COLLISION FIXED Subtotal</b>	<b>1,928</b>	<b>4.4</b>	<b>23</b>	<b>10.8</b>	<b>599</b>	<b>5.6</b>

	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Unknown Event	6,076	13.8	12	5.7	1,411	13.3
<b>TOTAL MOST HARMFUL EVENT</b>	<b>43,923</b>	<b>100.0</b>	<b>212</b>	<b>100.0</b>	<b>10,617</b>	<b>100.0</b>

## DRIVER AGE 65 & OVER (continued)

CRASH TYPE	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Single Vehicle	6,326	14.4	38	17.9	1,014	9.6
Head On	687	1.6	34	16.0	326	3.1
Head On - Left Turn	2,228	5.1	26	12.3	908	8.6
Angle	13,790	31.4	88	41.5	3,889	36.6
Rear End	11,234	25.6	12	5.7	3,264	30.7
Rear End - Left Turn	603	1.4	1	0.5	197	1.9
Rear End - Right Turn	387	0.9	0	0.0	64	0.6
Sideswipe - Same Direction	4,754	10.8	3	1.4	356	3.4
Sideswipe - Opposite Direct	1,251	2.8	6	2.8	172	1.6
Other	2,106	4.8	4	1.9	317	3.0
Unknown	557	1.3	0	0.0	110	1.0
<b>Total Drivers</b>	<b>43,923</b>	<b>100.0</b>	<b>212</b>	<b>100.0</b>	<b>10,617</b>	<b>100.0</b>

Elderly drivers have the highest incidence of angle type crashes when compared to the other two age groups (16-24 and 25-64) in all crashes and fatal crashes.

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	40,744	92.8	180	84.9	9,736	91.7
Median	97	0.2	0	0.0	30	0.3
Shoulder	760	1.7	8	3.8	194	1.8
Outside of Shoulder/Curb	1,366	3.1	19	9.0	436	4.1
Gore	42	0.1	0	0.0	11	0.1
Other/Unknown	914	2.1	5	2.4	210	2.0
<b>Total Drivers</b>	<b>43,923</b>	<b>100.0</b>	<b>212</b>	<b>100.0</b>	<b>10,617</b>	<b>100.0</b>

ROADWAY TYPE IN CRASH	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Interstate Routes	1,509	3.4	11	5.2	376	3.5
U.S. & Michigan Roads	10,365	23.6	71	33.5	2,555	24.1
County & City Roads	32,049	73.0	130	61.3	7,686	72.4
<b>Total Drivers</b>	<b>43,923</b>	<b>100.0</b>	<b>212</b>	<b>100.0</b>	<b>10,617</b>	<b>100.0</b>

Please see foreword regarding roadway type classification issue.

## DRIVER AGE 65 & OVER (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.	382	0.9	1	0.5	83	0.8
03:00 a.m. - 05:59 a.m.	348	0.8	1	0.5	67	0.6
06:00 a.m. - 08:59 a.m.	3,072	7.0	18	8.5	665	6.3
09:00 a.m. - 11:59 a.m.	8,546	19.5	48	22.6	2,100	19.8
12:00 noon - 02:59 p.m.	11,228	25.6	60	28.3	2,947	27.8
03:00 p.m. - 05:59 p.m.	10,848	24.7	38	17.9	2,705	25.5
06:00 p.m. - 08:59 p.m.	5,003	11.4	29	13.7	1,085	10.2
09:00 p.m. - 11:59 p.m.	1,911	4.4	11	5.2	387	3.6
Unknown	2,585	5.9	6	2.8	578	5.4
<b>Total Drivers</b>	<b>43,923</b>	<b>100.0</b>	<b>212</b>	<b>100.0</b>	<b>10,617</b>	<b>100.0</b>

9:00 AM to 2:59 PM shows the highest involvement for elderly drivers in all crashes when 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	20,173	45.9	71	33.5	4,490	42.3	29	0.3
Speed too fast	1,039	2.4	13	6.1	293	2.8	254	2.8
Speed too slow	56	0.1	0	0.0	17	0.2	17	0.2
Failed to yield	7,501	17.1	52	24.5	2,179	20.5	3,678	40.9
Disregard traffic control	1,408	3.2	13	6.1	577	5.4	819	9.1
Drove wrong way	52	0.1	2	0.9	16	0.2	19	0.2
Drove left of center	272	0.6	15	7.1	87	0.8	91	1.0
Improper passing	229	0.5	0	0.0	22	0.2	60	0.7
Improper lane use	1,385	3.2	1	0.5	151	1.4	531	5.9
Improper turn	765	1.7	2	0.9	131	1.2	317	3.5
Improper/no signal	47	0.1	0	0.0	9	0.1	13	0.1
Improper backing	1,167	2.7	1	0.5	29	0.3	242	2.7
Unable to stop in assured clear distance	4,677	10.6	6	2.8	1,384	13.0	2,026	22.6
Reckless driving	17	0.0	0	0.0	10	0.1	7	0.1
Careless/Negligent driving	647	1.5	7	3.3	214	2.0	279	3.1
Other	1,667	3.8	11	5.2	398	3.7	347	3.9
Unknown	2,821	6.4	18	8.5	610	5.7	253	2.8
<b>Total Drivers</b>	<b>43,923</b>	<b>100.0</b>	<b>212</b>	<b>100.0</b>	<b>10,617</b>	<b>100.0</b>	<b>8,982</b>	<b>100.0</b>

Compared to the other two age groups, elderly drivers have the highest incidence of failed to yield, disregard of traffic control, improper lane use, improper turn, and improper backing as a hazardous action in all crashes.

## DRIVER AGE 65 & OVER (continued)

<b>DAY of WEEK IN CRASH</b>	<b>All Crashes</b>		<b>Fatal Crashes</b>		<b>Injury Crashes</b>	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Sunday	3,706	8.4	19	9.0	929	8.8
Monday	6,920	15.8	32	15.1	1,629	15.3
Tuesday	6,770	15.4	33	15.6	1,619	15.2
Wednesday	6,921	15.8	19	9.0	1,628	15.3
Thursday	6,769	15.4	32	15.1	1,694	16.0
Friday	7,791	17.7	38	17.9	1,920	18.1
Saturday	5,046	11.5	39	18.4	1,198	11.3
<b>Total Drivers</b>	<b>43,923</b>	<b>100.0</b>	<b>212</b>	<b>100.0</b>	<b>10,617</b>	<b>100.0</b>

<b>DRIVER GENDER IN CRASH</b>	<b>All Crashes</b>		<b>Fatal Crashes</b>		<b>Injury Crashes</b>	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Male	25,006	56.9	142	67.0	5,918	55.7
Female	17,776	40.5	68	32.1	4,444	41.9
Unknown	1,141	2.6	2	0.9	255	2.4
<b>Total Drivers</b>	<b>43,923</b>	<b>100.0</b>	<b>212</b>	<b>100.0</b>	<b>10,617</b>	<b>100.0</b>

<b>NUMBER OF OCCUPANTS IN MOTOR VEHICLE</b>	<b>All Crashes</b>		<b>Fatal Crashes</b>		<b>Injury Crashes</b>	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
1 occupant	31,261	71.2	138	65.1	7,227	68.1
2 occupants	8,946	20.4	62	29.2	2,455	23.1
3 occupants	1,004	2.3	5	2.4	295	2.8
4 occupants	348	0.8	2	0.9	98	0.9
5 occupants	77	0.2	2	0.9	20	0.2
6 + occupants	86	0.2	1	0.5	19	0.2
0 occupants	172	0.4	0	0.0	27	0.3
Unknown	2,029	4.6	2	0.9	476	4.5
<b>Total Drivers</b>	<b>43,923</b>	<b>100.0</b>	<b>212</b>	<b>100.0</b>	<b>10,617</b>	<b>100.0</b>

## DRIVER AGE 65 & OVER (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	33,452	76.2	149	70.3	8,244	77.6
Van and Motorhome	3,451	7.9	20	9.4	824	7.8
Pickup	4,807	10.9	23	10.8	1,023	9.6
Small Truck (under 10,000 lbs.)	741	1.7	3	1.4	160	1.5
Motorcycle	46	0.1	0	0.0	35	0.3
Moped	12	0.0	2	0.9	8	0.1
Go Cart	1	0.0	1	0.5	0	0.0
Snowmobile	12	0.0	0	0.0	6	0.1
Off Road Vehicle	11	0.0	1	0.5	8	0.1
Other	68	0.2	1	0.5	19	0.2
Unknown	1,001	2.3	4	1.9	230	2.2
CDL Truck/Bus (breakdown below)	321	0.7	8	3.8	60	0.6
<b>Total Number of Drivers</b>	<b>43,923</b>	<b>100.0</b>	<b>212</b>	<b>100.0</b>	<b>10,617</b>	<b>100.0</b>

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

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	115	35.8	6	75.0	24	40.0
Commercial Vehicle: Group B	84	26.2	2	25.0	14	23.3
Commercial Vehicle: Group C	24	7.5	0	0.0	4	6.7
Other Truck	13	4.0	0	0.0	2	3.3
Unknown Truck	85	26.5	0	0.0	16	26.7
<b>Total Number of Drivers</b>	<b>321</b>	<b>100.0</b>	<b>8</b>	<b>100.0</b>	<b>60</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.