

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	20,984	47.3	147	62.0	5,157	48.1
Turning left	5,104	11.5	32	13.5	1,516	14.1
Turning right	1,600	3.6	1	0.4	233	2.2
Stopped on roadway	3,964	8.9	7	3.0	1,141	10.6
In prior crash	44	0.1	1	0.4	16	0.1
Changing lanes	1,218	2.7	3	1.3	119	1.1
Backing	1,418	3.2	1	0.4	61	0.6
Slowing/stopping on roadway	3,125	7.0	2	0.8	864	8.1
Slowing/stopping other	59	0.1	0	0.0	19	0.2
Starting up on roadway	1,141	2.6	16	6.8	308	2.9
Starting up other	34	0.1	0	0.0	10	0.1
Entering parking	125	0.3	0	0.0	15	0.1
Leaving parking	267	0.6	1	0.4	37	0.3
Entering roadway	1,198	2.7	8	3.4	251	2.3
Leaving roadway	60	0.1	0	0.0	21	0.2
Making U-turn	156	0.4	4	1.7	36	0.3
Overtaking or passing	245	0.6	0	0.0	47	0.4
Avoiding object	21	0.0	0	0.0	6	0.1
Avoiding animal	35	0.1	0	0.0	11	0.1
Avoiding pedestrian	6	0.0	0	0.0	1	0.0
Avoiding vehicle (front/back)	209	0.5	1	0.4	47	0.4
Avoiding vehicle (angle)	86	0.2	2	0.8	16	0.1
Driverless moving	8	0.0	0	0.0	2	0.0
Parked	195	0.4	0	0.0	19	0.2
Crossing at intersection	44	0.1	0	0.0	37	0.3
Crossing not at intersection	9	0.0	0	0.0	8	0.1
Getting on/off vehicle	1	0.0	0	0.0	1	0.0
In roadway with traffic	5	0.0	1	0.4	3	0.0
In roadway against traffic	1	0.0	0	0.0	1	0.0
Standing/lying in roadway	3	0.0	0	0.0	1	0.0
Pushing/working on vehicle	0	0.0	0	0.0	0	0.0
Other working in roadway	0	0.0	0	0.0	0	0.0
Playing in roadway	0	0.0	0	0.0	0	0.0
In roadway other reason	6	0.0	0	0.0	6	0.1
Not in roadway	3	0.0	0	0.0	3	0.0
Other	30	0.1	0	0.0	15	0.1
Unknown	2,989	6.7	10	4.2	688	6.4
Total Drivers	44,393	100.0	237	100.0	10,716	100.0

DRIVER AGE 65 & OVER (continued)

MOST HARMFUL EVENT IN A NONCOLLISION	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Loss of control	100	0.2	0	0.0	23	0.2
Cross center/median	38	0.1	0	0.0	7	0.1
Ran off road left	32	0.1	0	0.0	10	0.1
Ran off road right	80	0.2	0	0.0	10	0.1
Re-enter road	9	0.0	0	0.0	3	0.0
Overturn	218	0.5	10	4.2	116	1.1
Separation of units	83	0.2	0	0.0	21	0.2
Fire/explosion	36	0.1	0	0.0	6	0.1
Immersion	3	0.0	0	0.0	2	0.0
Jackknife	15	0.0	0	0.0	1	0.0
Downhill runaway	4	0.0	0	0.0	1	0.0
Cargo loss/shift	19	0.0	0	0.0	1	0.0
Individual fell off	16	0.0	0	0.0	11	0.1
Other noncollision	103	0.2	0	0.0	18	0.2
NONCOLLISION Subtotal	756	1.7	10	4.2	230	2.1

MOST HARMFUL EVENT IN A COLLISION WITH A NONFIXED OBJECT	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Pedestrian	196	0.4	10	4.2	161	1.5
Pedalcycle	163	0.4	5	2.1	130	1.2
Motor vehicle in transport	30,877	69.6	164	69.2	8,148	76.0
Parked motor vehicle	1,128	2.5	2	0.8	112	1.0
Railway train	12	0.0	0	0.0	2	0.0
Animal	3,404	7.7	0	0.0	77	0.7
Other nonfixed objects	400	0.9	0	0.0	42	0.4
COLLISION NONFIXED Subtotal	36,180	81.5	181	76.4	8,672	80.9

DRIVER AGE 65 & OVER (continued)

MOST HARMFUL EVENT IN A COLLISION WITH A FIXED OBJECT	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Bridge/pier/abutment	19	0.0	0	0.0	5	0.0
Bridge parapet end	7	0.0	0	0.0	1	0.0
Bridge rail	17	0.0	0	0.0	4	0.0
Guardrail face	91	0.2	3	1.3	31	0.3
Guardrail end	21	0.0	1	0.4	14	0.1
Median barrier	64	0.1	0	0.0	20	0.2
Highway traffic sign post	118	0.3	0	0.0	12	0.1
Signal post	13	0.0	0	0.0	1	0.0
Luminaire/light support	31	0.1	2	0.8	11	0.1
Utility pole	159	0.4	3	1.3	61	0.6
Other pole	41	0.1	1	0.4	14	0.1
Culvert	27	0.1	1	0.4	7	0.1
Curb	70	0.2	1	0.4	14	0.1
Ditch	270	0.6	1	0.4	76	0.7
Embankment	75	0.2	3	1.3	37	0.3
Fence	62	0.1	0	0.0	9	0.1
Mailbox	92	0.2	0	0.0	8	0.1
Tree	392	0.9	11	4.6	150	1.4
Rail crossing signal	7	0.0	0	0.0	0	0.0
Building	60	0.1	1	0.4	26	0.2
Traffic island	6	0.0	0	0.0	1	0.0
Fire hydrant	25	0.1	0	0.0	7	0.1
Impact attenuator	2	0.0	0	0.0	2	0.0
Other fixed object	152	0.3	3	1.3	29	0.3
COLLISION FIXED Subtotal	1,821	4.1	31	13.1	540	5.0

	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Unknown Event	5,636	12.7	15	6.3	1,274	11.9
TOTAL MOST HARMFUL EVENT	44,393	100.0	237	100.0	10,716	100.0

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	6,336	14.3	50	21.1	907	8.5
Head On	672	1.5	38	16.0	304	2.8
Head On - Left Turn	2,219	5.0	18	7.6	898	8.4
Angle	14,293	32.2	103	43.5	4,054	37.8
Rear End	11,332	25.5	15	6.3	3,288	30.7
Rear End - Left Turn	625	1.4	2	0.8	210	2.0
Rear End - Right Turn	422	1.0	0	0.0	75	0.7
Sideswipe - Same Direction	4,468	10.1	3	1.3	360	3.4
Sideswipe - Opposite Direct	1,279	2.9	2	0.8	167	1.6
Other	2,055	4.6	5	2.1	326	3.0
Unknown	692	1.6	1	0.4	127	1.2
Total Drivers	44,393	100.0	237	100.0	10,716	100.0

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	41,390	93.2	198	83.5	9,972	93.1
Median	112	0.3	4	1.7	42	0.4
Shoulder	753	1.7	6	2.5	150	1.4
Outside of Shoulder/Curb	1,108	2.5	20	8.4	351	3.3
Gore	35	0.1	0	0.0	9	0.1
Other/Unknown	995	2.2	9	3.8	192	1.8
Total Drivers	44,393	100.0	237	100.0	10,716	100.0

ROADWAY TYPE IN CRASH	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Interstate Routes	4,123	9.3	17	7.2	888	8.3
U.S. & Michigan Roads	9,535	21.5	84	35.4	2,415	22.5
County & City Roads	30,735	69.2	136	57.4	7,413	69.2
Total Drivers	44,393	100.0	237	100.0	10,716	100.0

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.	334	0.8	0	0.0	72	0.7
03:00 a.m. - 05:59 a.m.	366	0.8	2	0.8	55	0.5
06:00 a.m. - 08:59 a.m.	3,052	6.9	13	5.5	687	6.4
09:00 a.m. - 11:59 a.m.	8,526	19.2	51	21.5	2,131	19.9
12:00 noon - 02:59 p.m.	11,142	25.1	73	30.8	2,898	27.0
03:00 p.m. - 05:59 p.m.	10,853	24.4	50	21.1	2,716	25.3
06:00 p.m. - 08:59 p.m.	5,014	11.3	30	12.7	1,084	10.1
09:00 p.m. - 11:59 p.m.	1,844	4.2	9	3.8	348	3.2
Unknown	3,262	7.3	9	3.8	725	6.8
Total Drivers	44,393	100.0	237	100.0	10,716	100.0

9:00 AM to 2:59 PM shows the highest involvement for elderly drivers 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	20,524	46.2	78	32.9	4,570	42.6	35	0.4
Speed too fast	922	2.1	10	4.2	257	2.4	196	2.2
Speed too slow	42	0.1	0	0.0	14	0.1	13	0.1
Failed to yield	7,632	17.2	56	23.6	2,169	20.2	3,665	41.7
Disregard traffic control	1,500	3.4	21	8.9	604	5.6	848	9.7
Drove wrong way	56	0.1	2	0.8	21	0.2	28	0.3
Drove left of center	279	0.6	14	5.9	102	1.0	108	1.2
Improper passing	270	0.6	0	0.0	40	0.4	76	0.9
Improper lane use	1,342	3.0	4	1.7	140	1.3	473	5.4
Improper turn	862	1.9	2	0.8	172	1.6	358	4.1
Improper/no signal	60	0.1	0	0.0	10	0.1	20	0.2
Improper backing	1,159	2.6	0	0.0	40	0.4	233	2.7
Unable to stop in assured clear distance	4,607	10.4	7	3.0	1,359	12.7	1,963	22.4
Reckless driving	18	0.0	0	0.0	9	0.1	9	0.1
Careless\Negligent driving	599	1.3	7	3.0	181	1.7	237	2.7
Other	1,667	3.8	8	3.4	392	3.7	307	3.5
Unknown	2,854	6.4	28	11.8	636	5.9	211	2.4
Total Drivers	44,393	100.0	237	100.0	10,716	100.0	8,780	100.0

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)

DAY of WEEK IN CRASH	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Sunday	4,080	9.2	21	8.9	1,061	9.9
Monday	6,708	15.1	25	10.5	1,584	14.8
Tuesday	6,765	15.2	33	13.9	1,646	15.4
Wednesday	7,035	15.8	39	16.5	1,681	15.7
Thursday	6,894	15.5	36	15.2	1,650	15.4
Friday	7,932	17.9	53	22.4	1,844	17.2
Saturday	4,979	11.2	30	12.7	1,250	11.7
Total Drivers	44,393	100.0	237	100.0	10,716	100.0

DRIVER GENDER IN CRASH	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Male	25,161	56.7	149	62.9	5,917	55.2
Female	18,011	40.6	86	36.3	4,535	42.3
Unknown	1,221	2.8	2	0.8	264	2.5
Total Drivers	44,393	100.0	237	100.0	10,716	100.0

NUMBER OF OCCUPANTS IN MOTOR VEHICLE	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
1 occupant	31,439	70.8	160	67.5	7,262	67.8
2 occupants	9,171	20.7	60	25.3	2,497	23.3
3 occupants	992	2.2	9	3.8	287	2.7
4 occupants	343	0.8	3	1.3	102	1.0
5 occupants	71	0.2	0	0.0	25	0.2
6 + occupants	83	0.2	0	0.0	21	0.2
0 occupants	196	0.4	0	0.0	28	0.3
Unknown	2,098	4.7	5	2.1	494	4.6
Total Drivers	44,393	100.0	237	100.0	10,716	100.0

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	34,113	76.8	186	78.5	8,349	77.9
Van and Motorhome	3,372	7.6	11	4.6	783	7.3
Pickup	4,553	10.3	26	11.0	976	9.1
Small Truck (under 10,000 lbs.)	653	1.5	3	1.3	144	1.3
Motorcycle	54	0.1	0	0.0	48	0.4
Moped	5	0.0	0	0.0	3	0.0
Go Cart	0	0.0	0	0.0	0	0.0
Snowmobile	7	0.0	0	0.0	3	0.0
Off Road Vehicle	3	0.0	0	0.0	1	0.0
Other	70	0.2	1	0.4	17	0.2
Unknown	1,243	2.8	5	2.1	334	3.1
CDL Truck/Bus (breakdown below)	320	0.7	5	2.1	58	0.5
Total Number of Drivers	44,393	100.0	237	100.0	10,716	100.0

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	95	29.7	1	20.0	17	29.3
Commercial Vehicle: Group B	88	27.5	2	40.0	17	29.3
Commercial Vehicle: Group C	23	7.2	1	20.0	2	3.4
Other Truck	12	3.8	0	0.0	3	5.2
Unknown Truck	102	31.9	1	20.0	19	32.8
Total Number of Drivers	320	100.0	5	100.0	58	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.

