

DRIVER AGE 65 & OVER

Revised January 25, 2005

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	21,784	49.5	151	65.9	5,146	50.9
Turning left	5,033	11.4	37	16.2	1,466	14.5
Turning right	1,604	3.6	2	0.9	226	2.2
Stopped on roadway	4,205	9.6	4	1.7	1,130	11.2
In prior crash	43	0.1	0	0.0	19	0.2
Changing lanes	1,259	2.9	3	1.3	122	1.2
Backing	1,509	3.4	2	0.9	63	0.6
Slowing/stopping on roadway	3,251	7.4	3	1.3	774	7.7
Slowing/stopping other	60	0.1	0	0.0	16	0.2
Starting up on roadway	1,147	2.6	10	4.4	296	2.9
Starting up other	46	0.1	0	0.0	12	0.1
Entering parking	92	0.2	0	0.0	13	0.1
Leaving parking	264	0.6	1	0.4	35	0.3
Entering roadway	1,187	2.7	4	1.7	238	2.4
Leaving roadway	74	0.2	2	0.9	30	0.3
Making U-turn	143	0.3	1	0.4	38	0.4
Overtaking or passing	282	0.6	2	0.9	41	0.4
Avoiding object	29	0.1	1	0.4	7	0.1
Avoiding animal	55	0.1	0	0.0	15	0.1
Avoiding pedestrian	10	0.0	0	0.0	5	0.0
Avoiding vehicle (front/back)	234	0.5	2	0.9	57	0.6
Avoiding vehicle (angle)	118	0.3	0	0.0	25	0.2
Driverless moving	7	0.0	0	0.0	5	0.0
Parked	146	0.3	0	0.0	15	0.1
Crossing at intersection	5	0.0	1	0.4	3	0.0
Crossing not at intersection	1	0.0	0	0.0	1	0.0
Getting on/off vehicle	0	0.0	0	0.0	0	0.0
In roadway with traffic	0	0.0	0	0.0	0	0.0
In roadway against traffic	0	0.0	0	0.0	0	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	0	0.0	0	0.0	0	0.0
Playing in roadway	1	0.0	0	0.0	1	0.0
In roadway other reason	0	0.0	0	0.0	0	0.0
Not in roadway	1	0.0	0	0.0	1	0.0
Other	12	0.0	0	0.0	1	0.0
Unknown	1,362	3.1	3	1.3	302	3.0
Total Drivers	43,964	100.0	229	100.0	10,103	100.0

Compared to the other two age groups, elderly drivers are about four times more likely to be involved in a fatal crash when making a left turn.

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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	103	0.2	0	0.0	29	0.3
Cross center/median	44	0.1	0	0.0	15	0.1
Ran off road left	39	0.1	0	0.0	8	0.1
Ran off road right	58	0.1	0	0.0	12	0.1
Re-enter road	8	0.0	0	0.0	4	0.0
Overturn	271	0.6	6	2.6	142	1.4
Separation of units	72	0.2	0	0.0	16	0.2
Fire/explosion	25	0.1	1	0.4	3	0.0
Immersion	6	0.0	0	0.0	1	0.0
Jackknife	17	0.0	0	0.0	1	0.0
Downhill runaway	2	0.0	0	0.0	1	0.0
Cargo loss/shift	22	0.1	0	0.0	2	0.0
Individual fell off	26	0.1	3	1.3	19	0.2
Other noncollision	99	0.2	0	0.0	9	0.1
NONCOLLISION Subtotal	792	1.8	10	4.4	262	2.6

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	193	0.4	16	7.0	157	1.6
Pedalcycle (Bicyclist)	190	0.4	3	1.3	138	1.4
Motor vehicle in transport	32,207	73.3	162	70.7	8,059	79.8
Parked motor vehicle	1,116	2.5	3	1.3	105	1.0
Railway train	13	0.0	1	0.4	5	0.0
Animal	3,870	8.8	0	0.0	59	0.6
Other nonfixed objects	342	0.8	1	0.4	36	0.4
COLLISION NONFIXED Subtotal	37,931	86.3	186	81.2	8,559	84.7

Motor vehicle in transport was by far the most problematic event in collisions with a nonfixed object for all crash types and age groups; however, it was most problematic for drivers age 65 and over.

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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	16	0.0	0	0.0	5	0.0
Bridge parapet end	8	0.0	0	0.0	0	0.0
Bridge rail	16	0.0	0	0.0	4	0.0
Guardrail face	132	0.3	0	0.0	39	0.4
Guardrail end	17	0.0	0	0.0	1	0.0
Median barrier	88	0.2	1	0.4	33	0.3
Highway traffic sign post	142	0.3	1	0.4	9	0.1
Signal post	10	0.0	1	0.4	1	0.0
Luminaire/light support	23	0.1	0	0.0	6	0.1
Utility pole	147	0.3	3	1.3	74	0.7
Other pole	51	0.1	0	0.0	17	0.2
Culvert	39	0.1	1	0.4	21	0.2
Curb	81	0.2	0	0.0	8	0.1
Ditch	335	0.8	3	1.3	93	0.9
Embankment	62	0.1	1	0.4	21	0.2
Fence	73	0.2	0	0.0	14	0.1
Mailbox	109	0.2	0	0.0	10	0.1
Tree	560	1.3	12	5.2	224	2.2
Rail crossing signal	11	0.0	0	0.0	0	0.0
Building	81	0.2	2	0.9	41	0.4
Traffic island	2	0.0	0	0.0	0	0.0
Fire hydrant	25	0.1	0	0.0	4	0.0
Impact attenuator	3	0.0	0	0.0	1	0.0
Other fixed object	180	0.4	3	1.3	29	0.3
COLLISION FIXED Subtotal	2,211	5.0	28	12.2	655	6.5

	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Unknown Event	3,030	6.9	5	2.2	627	6.2
TOTAL MOST HARMFUL EVENT	43,964	100.0	229	100.0	10,103	100.0

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CRASH TYPE	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Single Vehicle	6,977	15.9	56	24.5	998	9.9
Head On	694	1.6	36	15.7	329	3.3
Head On - Left Turn	2,163	4.9	19	8.3	880	8.7
Angle	13,834	31.5	94	41.0	3,727	36.9
Rear End	11,149	25.4	12	5.2	3,058	30.3
Rear End - Left Turn	538	1.2	0	0.0	159	1.6
Rear End - Right Turn	394	0.9	0	0.0	87	0.9
Sideswipe - Same Direction	4,623	10.5	2	0.9	337	3.3
Sideswipe - Opposite Direct	1,226	2.8	2	0.9	162	1.6
Other	1,911	4.3	7	3.1	289	2.9
Unknown	455	1.0	1	0.4	77	0.8
Total Drivers	43,964	100.0	229	100.0	10,103	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, fatal crashes, and injury 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	40,824	92.9	192	83.8	9,218	91.2
Median	125	0.3	1	0.4	29	0.3
Shoulder	845	1.9	7	3.1	198	2.0
Outside of Shoulder/Curb	1,453	3.3	24	10.5	484	4.8
Gore	34	0.1	1	0.4	14	0.1
Other/Unknown	683	1.6	4	1.7	160	1.6
Total Drivers	43,964	100.0	229	100.0	10,103	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	1,543	3.5	19	8.3	379	3.8
U.S. & Michigan Roads	10,757	24.5	80	34.9	2,393	23.7
County & City Roads	31,664	72.0	130	56.8	7,331	72.6
Total Drivers	43,964	100.0	229	100.0	10,103	100.0

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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.	416	0.9	5	2.2	89	0.9
03:00 a.m. - 05:59 a.m.	374	0.9	3	1.3	61	0.6
06:00 a.m. - 08:59 a.m.	3,198	7.3	16	7.0	694	6.9
09:00 a.m. - 11:59 a.m.	8,708	19.8	28	12.2	2,047	20.3
12:00 noon - 02:59 p.m.	11,281	25.7	64	27.9	2,727	27.0
03:00 p.m. - 05:59 p.m.	10,857	24.7	61	26.6	2,671	26.4
06:00 p.m. - 08:59 p.m.	4,996	11.4	34	14.8	1,043	10.3
09:00 p.m. - 11:59 p.m.	1,870	4.3	8	3.5	308	3.0
Unknown	2,264	5.1	10	4.4	463	4.6
Total Drivers	43,964	100.0	229	100.0	10,103	100.0

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	20,843	47.4	59	25.8	4,304	42.6	22	0.3
Speed too fast	1,245	2.8	17	7.4	339	3.4	239	2.7
Speed too slow	56	0.1	0	0.0	16	0.2	17	0.2
Failed to yield	7,520	17.1	56	24.5	2,032	20.1	3,746	42.6
Disregard traffic control	1,449	3.3	19	8.3	592	5.9	835	9.5
Drove wrong way	43	0.1	3	1.3	18	0.2	18	0.2
Drove left of center	299	0.7	12	5.2	100	1.0	111	1.3
Improper passing	246	0.6	2	0.9	30	0.3	95	1.1
Improper lane use	1,310	3.0	3	1.3	120	1.2	472	5.4
Improper turn	823	1.9	2	0.9	150	1.5	336	3.8
Improper/no signal	43	0.1	0	0.0	4	0.0	7	0.1
Improper backing	1,156	2.6	1	0.4	30	0.3	204	2.3
Unable to stop in assured clear distance	4,516	10.3	8	3.5	1,258	12.5	1,970	22.4
Reckless driving	22	0.1	0	0.0	12	0.1	6	0.1
Careless/Negligent driving	699	1.6	10	4.4	248	2.5	304	3.5
Other	1,581	3.6	13	5.7	397	3.9	291	3.3
Unknown	2,113	4.8	24	10.5	453	4.5	116	1.3
Total Drivers	43,964	100.0	229	100.0	10,103	100.0	8,789	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.

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DAY OF WEEK IN CRASH	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Sunday	3,866	8.8	22	9.6	946	9.4
Monday	6,711	15.3	29	12.7	1,533	15.2
Tuesday	6,853	15.6	38	16.6	1,579	15.6
Wednesday	7,059	16.1	40	17.5	1,640	16.2
Thursday	6,953	15.8	36	15.7	1,584	15.7
Friday	7,550	17.2	36	15.7	1,688	16.7
Saturday	4,972	11.3	28	12.2	1,133	11.2
Total Drivers	43,964	100.0	229	100.0	10,103	100.0

DRIVER GENDER IN CRASH	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Male	25,062	57.0	126	55.0	5,569	55.1
Female	17,980	40.9	100	43.7	4,306	42.6
Unknown	922	2.1	3	1.3	228	2.3
Total Drivers	43,964	100.0	229	100.0	10,103	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	31,942	72.7	158	69.0	6,988	69.2
2 occupants	9,056	20.6	63	27.5	2,357	23.3
3 occupants	947	2.2	3	1.3	286	2.8
4 occupants	359	0.8	1	0.4	103	1.0
5 occupants	89	0.2	1	0.4	26	0.3
6 + occupants	99	0.2	1	0.4	30	0.3
0 occupants	166	0.4	0	0.0	24	0.2
Unknown	1,306	3.0	2	0.9	289	2.9
Total Drivers	43,964	100.0	229	100.0	10,103	100.0

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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	33,418	76.0	174	76.0	7,815	77.4
Van and Motorhome	3,584	8.2	19	8.3	781	7.7
Pickup	5,028	11.4	23	10.0	1,046	10.4
Small Truck (under 10,000 lbs.)	792	1.8	3	1.3	166	1.6
Motorcycle	60	0.1	0	0.0	48	0.5
Moped	15	0.0	0	0.0	11	0.1
Go Cart	0	0.0	0	0.0	0	0.0
Snowmobile	5	0.0	1	0.4	2	0.0
Off Road Vehicle	4	0.0	0	0.0	4	0.0
Other	62	0.1	3	1.3	18	0.2
Unknown	634	1.4	2	0.9	137	1.4
CDL Truck/Bus (breakdown below)	362	0.8	4	1.7	75	0.7
Total Number of Drivers	43,964	100.0	229	100.0	10,103	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

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	127	35.1	1	25.0	25	33.3
Commercial Vehicle: Group B	102	28.2	3	75.0	28	37.3
Commercial Vehicle: Group C	25	6.9	0	0.0	6	8.0
Other Truck	21	5.8	0	0.0	3	4.0
Unknown Truck	87	24.0	0	0.0	13	17.3
Total Number of Drivers	362	100.0	4	100.0	75	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.