

2004

2004

2004

2004

2004

2004

2004

2004

Age

PERSON'S AGE and THEIR INJURY SEVERITY by PERSON TYPE

Age*	Driver				Passenger			Bicyclist			Pedestrian		
	Total	Killed	Injured	No Injury	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured
0	158	0	18	135	200	3	197	0	0	0	7	1	4
1	4	0	2	2	227	0	227	0	0	0	8	1	5
2	5	0	1	4	230	5	225	0	0	0	23	1	22
3	7	0	3	4	269	4	265	2	0	1	23	1	20
4	5	0	1	4	321	0	321	16	0	12	30	1	26
5	18	0	1	17	339	3	336	20	0	17	35	1	28
6	27	0	6	21	336	1	335	33	0	29	43	0	39
7	31	1	8	22	350	2	348	31	0	23	42	1	36
8	24	0	6	18	330	2	328	47	2	37	53	1	46
9	34	2	11	21	400	1	399	64	1	55	39	0	33
10	35	0	12	23	368	5	363	76	1	62	59	1	50
11	30	0	10	20	434	3	431	102	0	84	67	0	59
12	55	0	24	29	447	4	443	108	0	89	67	1	56
13	99	0	45	51	530	3	527	147	1	123	78	1	72
14	296	1	84	205	690	5	685	108	2	88	88	0	75
15	1,065	4	155	894	911	15	896	118	0	97	81	1	72
16	15,016	14	1,885	13,053	1,165	15	1,150	77	0	64	72	2	65
17	18,558	19	2,284	16,182	1,104	17	1,087	49	0	44	53	0	49
18	20,301	28	2,628	17,524	940	9	931	57	0	51	91	2	79
19	19,091	23	2,501	16,449	831	12	819	55	0	47	54	1	47
20	17,281	15	2,250	14,894	711	9	702	51	0	34	48	6	37
21	16,394	26	2,101	14,149	620	11	609	34	0	30	64	3	53
22	15,517	16	2,008	13,378	607	10	597	38	0	31	47	2	39
23	14,400	18	1,841	12,442	492	6	486	32	1	25	57	1	49
24	13,662	12	1,742	11,810	395	4	391	25	0	24	44	1	39
25	12,792	13	1,573	11,104	374	7	367	14	0	13	41	3	34
26	12,031	21	1,515	10,400	334	5	329	18	0	14	42	4	36
27	11,508	14	1,388	10,041	276	5	271	12	0	8	36	3	27
28	10,820	8	1,303	9,429	285	4	281	15	0	11	35	0	30
29	10,828	8	1,334	9,412	272	1	271	13	1	10	24	0	24
30	10,628	10	1,300	9,237	275	5	270	13	0	11	35	2	30
31	10,847	10	1,375	9,386	249	4	245	16	0	15	25	1	20
32	11,462	9	1,386	9,972	257	2	255	21	0	17	27	1	26
33	11,918	9	1,447	10,364	250	2	248	15	0	11	30	2	26
34	11,725	12	1,336	10,293	262	3	259	25	0	19	42	2	37
35	11,018	11	1,324	9,604	235	3	232	16	0	14	25	3	21
36	10,800	13	1,297	9,401	232	1	231	18	0	15	31	3	28
37	11,165	13	1,261	9,807	212	1	211	17	0	13	34	1	29
38	11,030	10	1,297	9,637	228	0	228	22	0	21	29	3	23
39	11,416	11	1,350	9,978	232	1	231	28	1	22	49	3	42
40	11,669	18	1,367	10,197	241	1	240	33	0	31	42	5	35
41	11,664	11	1,400	10,178	241	1	240	24	1	19	33	2	25

* Driver age is calculated from birth date. Data entry errors may result in age "0" drivers.

**PERSON'S AGE and THEIR INJURY SEVERITY
by PERSON TYPE (continued)**

Age	Driver				Passenger			Bicyclist			Pedestrian		
	Total	Killed	Injured	No Injury	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured
42	11,417	10	1,379	9,951	221	2	219	22	0	20	30	3	26
43	11,368	12	1,301	9,992	219	3	216	25	1	19	52	1	44
44	11,230	12	1,368	9,777	243	2	241	24	0	20	33	2	30
45	10,963	16	1,369	9,498	228	3	225	27	1	23	30	2	26
46	10,836	10	1,337	9,388	225	1	224	26	3	19	28	2	25
47	10,764	6	1,258	9,423	250	2	248	33	1	25	50	3	40
48	10,049	9	1,216	8,763	225	1	224	38	1	31	34	4	28
49	9,818	10	1,181	8,563	233	1	232	18	0	17	43	1	38
50	9,211	16	1,111	8,019	185	3	182	17	0	16	42	2	33
51	8,931	14	1,086	7,764	198	1	197	29	0	27	36	2	30
52	8,531	9	1,053	7,412	196	1	195	24	0	19	27	3	22
53	8,057	6	1,015	6,990	171	1	170	20	0	17	33	1	27
54	7,716	13	935	6,706	188	3	185	12	1	10	34	0	31
55	7,114	7	837	6,225	166	1	165	14	1	10	28	0	24
56	7,114	8	976	6,089	178	0	178	16	1	14	26	3	20
57	6,995	12	856	6,076	205	3	202	10	0	8	25	0	23
58	5,513	1	675	4,787	127	2	125	11	0	9	7	2	5
59	5,087	7	646	4,404	122	1	121	17	0	17	21	1	18
60	4,903	7	617	4,240	152	3	149	12	0	9	12	2	10
61	5,137	10	605	4,485	138	5	133	8	0	8	14	1	12
62	4,477	7	573	3,872	93	2	91	4	0	2	12	0	10
63	3,767	6	467	3,266	130	2	128	9	0	7	16	1	14
64	3,352	4	431	2,897	122	6	116	5	0	3	16	1	15
65	3,250	2	388	2,835	110	2	108	1	0	1	11	0	10
66	3,012	4	374	2,612	88	1	87	4	0	2	4	0	4
67	2,781	7	324	2,428	103	2	101	1	0	1	8	1	6
68	2,555	5	286	2,249	93	3	90	4	0	4	7	2	5
69	2,518	4	291	2,203	105	1	104	3	0	3	11	1	10
70	2,277	10	266	1,989	78	1	77	3	0	2	12	0	10
71	2,154	4	288	1,842	98	0	98	2	0	2	13	1	11
72	2,211	4	241	1,950	92	0	92	3	0	3	9	1	8
73	2,120	1	272	1,837	69	0	69	5	0	4	9	2	7
74	2,111	6	278	1,816	90	1	89	3	0	3	8	1	7
75	2,024	2	249	1,754	77	0	77	4	0	4	10	0	10
76	1,924	2	247	1,661	98	1	97	5	0	5	6	0	6
77	1,860	6	231	1,616	81	2	79	2	0	1	9	4	5
78	1,720	4	229	1,475	73	2	71	1	0	1	9	2	6
79	1,704	6	228	1,463	80	4	76	1	0	0	5	2	3
80	1,502	7	200	1,285	71	2	69	0	0	0	5	1	4
81	1,240	5	199	1,029	78	1	77	1	0	1	6	2	4
82	1,212	2	182	1,023	61	1	60	3	0	2	9	2	7
83	1,027	7	153	863	64	0	64	0	0	0	4	1	3

**PERSONS AGE and THEIR INJURY SEVERITY
by PERSON TYPE (continued)**

Age	Driver*				Passenger			Bicyclist*			Pedestrian*		
	Total	Killed	Injured	No Injury	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured
84	851	7	121	717	65	1	64	1	0	1	6	1	5
85	729	9	106	610	35	5	30	1	0	1	4	1	3
86	619	5	93	518	37	1	36	1	0	1	3	2	1
87	481	3	73	405	25	1	24	0	0	0	4	0	4
88	363	2	59	300	20	2	18	0	0	0	3	0	3
89	281	0	39	242	17	2	15	2	0	2	1	0	1
90	210	5	40	164	17	1	16	0	0	0	4	0	3
91	137	1	29	106	6	0	6	0	0	0	3	1	2
92	74	1	13	60	6	0	6	0	0	0	2	1	1
93	62	1	7	54	2	2	0	0	0	0	1	1	0
94	45	0	12	33	2	0	2	0	0	0	0	0	0
95	20	0	2	18	3	0	3	0	0	0	1	0	1
96	20	0	3	17	5	0	5	0	0	0	0	0	0
97	11	0	1	10	1	0	1	0	0	0	1	0	1
98	17	0	2	15	0	0	0	0	0	0	0	0	0
99	5	0	1	4	1	0	1	1	0	1	0	0	0
100	11	0	1	10	3	0	3	0	0	0	0	0	0
101	1	0	0	1	0	0	0	0	0	0	0	0	0
102	2	0	1	1	1	0	1	0	0	0	0	0	0
103	4	0	0	4	1	0	1	0	0	0	0	0	0
104	1	0	0	1	0	0	0	0	0	0	0	0	0
109	0	0	0	0	0	0	0	0	0	0	1	0	1
Unknown	64,983	0	407	10,691	884	1	883	163	0	70	173	5	107
Totals	635,913	714	71,108	506,289	24,657	284	24,373	2,246	21	1,796	2,864	140	2,403
	* Includes 57,802 drivers with unknown injury severity							* Includes 91 bicyclists with unknown injury severity and 338 with no injury			* Includes 110 pedestrians with unknown injury severity and 211 with no injury		

DRIVER AGE

The following tables describe driver actions and crash characteristics for motor vehicle drivers age 16-24; 25-64; and 65 & Over. These tables are provided to demonstrate the differences in the nature of the crashes for these age groups.

Generally, younger drivers are more involved in single-vehicle and off road crashes. Older drivers are more involved in angle type crashes, are more likely to commit "Failed to Yield" as a hazardous action, and have much more difficulty turning left, while younger drivers are more likely to be speeding.

For more information on age and the crash experience please visit the Michigan Traffic Crash Facts web site www.michigantrafficcrashfacts.org.



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	80,052	53.3	299	75.5	19,397	55.7
Turning left	12,509	8.3	21	5.3	3,418	9.8
Turning right	4,059	2.7	2	0.5	617	1.8
Stopped on roadway	12,180	8.1	0	0.0	2,931	8.4
In prior crash	264	0.2	0	0.0	66	0.2
Changing lanes	4,042	2.7	9	2.3	634	1.8
Backing	2,909	1.9	3	0.8	162	0.5
Slowing/stopping on roadway	15,924	10.6	9	2.3	3,190	9.2
Slowing/stopping other	245	0.2	1	0.3	52	0.1
Starting up on roadway	3,030	2.0	4	1.0	742	2.1
Starting up other	113	0.1	2	0.5	31	0.1
Entering parking	118	0.1	0	0.0	19	0.1
Leaving parking	531	0.4	0	0.0	96	0.3
Entering roadway	2,759	1.8	5	1.3	699	2.0
Leaving roadway	360	0.2	6	1.5	105	0.3
Making U-turn	309	0.2	0	0.0	79	0.2
Overtaking or passing	1,488	1.0	14	3.5	346	1.0
Avoiding object	241	0.2	1	0.3	72	0.2
Avoiding animal	675	0.4	0	0.0	191	0.5
Avoiding pedestrian	50	0.0	2	0.5	23	0.1
Avoiding vehicle (front/back)	1,742	1.2	11	2.8	432	1.2
Avoiding vehicle (angle)	699	0.5	2	0.5	186	0.5
Driverless moving	28	0.0	0	0.0	3	0.0
Parked	497	0.3	1	0.3	56	0.2
Crossing at intersection	14	0.0	0	0.0	5	0.0
Crossing not at intersection	4	0.0	0	0.0	3	0.0
Getting on/off vehicle	3	0.0	0	0.0	0	0.0
In roadway with traffic	4	0.0	0	0.0	2	0.0
In roadway against traffic	8	0.0	0	0.0	1	0.0
Standing/lying in roadway	1	0.0	0	0.0	1	0.0
Pushing/working on vehicle	8	0.0	0	0.0	3	0.0
Other working in roadway	117	0.1	0	0.0	26	0.1
Playing in roadway	16	0.0	0	0.0	1	0.0
In roadway other reason	7	0.0	0	0.0	3	0.0
Not in roadway	15	0.0	0	0.0	5	0.0
Other	49	0.0	0	0.0	13	0.0
Unknown	5,150	3.4	4	1.0	1,243	3.6
Total Drivers	150,220	100.0	396	100.0	34,853	100.0

DRIVER AGE 16-24 (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	797	0.5	0	0.0	250	0.7
Cross center/median	138	0.1	0	0.0	39	0.1
Ran off road left	282	0.2	0	0.0	62	0.2
Ran off road right	440	0.3	0	0.0	97	0.3
Re-enter road	41	0.0	0	0.0	18	0.1
Overturn	3,540	2.4	24	6.1	1,673	4.8
Separation of units	714	0.5	0	0.0	166	0.5
Fire/explosion	190	0.1	2	0.5	30	0.1
Immersion	21	0.0	0	0.0	4	0.0
Jackknife	62	0.0	0	0.0	5	0.0
Downhill runaway	352	0.2	0	0.0	82	0.2
Cargo loss/shift	137	0.1	0	0.0	20	0.1
Individual fell off	115	0.1	2	0.5	90	0.3
Other noncollision	387	0.3	0	0.0	60	0.2
NONCOLLISION Subtotal	7,216	4.8	28	7.1	2,596	7.4

Teens and young adults have the highest incidence of overturn in fatal crashes when compared to the other two age groups (25-64 and 65 & over).

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	473	0.3	32	8.1	394	1.1
Pedalcycle (Bicyclist)	360	0.2	4	1.0	291	0.8
Motor vehicle in transport	102,654	68.3	223	56.3	24,594	70.6
Parked motor vehicle	2,861	1.9	4	1.0	370	1.1
Railway train	72	0.0	0	0.0	18	0.1
Animal	10,171	6.8	0	0.0	255	0.7
Other nonfixed objects	1,083	0.7	0	0.0	115	0.3
COLLISION NONFIXED Subtotal	117,674	78.3	263	66.4	26,037	74.7

DRIVER AGE 16-24 (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	150	0.1	2	0.5	33	0.1
Bridge parapet end	38	0.0	0	0.0	10	0.0
Bridge rail	140	0.1	1	0.3	34	0.1
Guardrail face	1,228	0.8	3	0.8	240	0.7
Guardrail end	199	0.1	1	0.3	58	0.2
Median barrier	1,261	0.8	1	0.3	368	1.1
Highway traffic sign post	1,003	0.7	1	0.3	55	0.2
Signal post	81	0.1	1	0.3	5	0.0
Luminaire/light support	202	0.1	0	0.0	28	0.1
Utility pole	1,260	0.8	12	3.0	436	1.3
Other pole	343	0.2	0	0.0	53	0.2
Culvert	235	0.2	1	0.3	90	0.3
Curb	685	0.5	0	0.0	75	0.2
Ditch	3,159	2.1	5	1.3	750	2.2
Embankment	674	0.4	4	1.0	185	0.5
Fence	485	0.3	1	0.3	56	0.2
Mailbox	780	0.5	0	0.0	53	0.2
Tree	4,344	2.9	63	15.9	1,577	4.5
Rail crossing signal	23	0.0	0	0.0	5	0.0
Building	234	0.2	4	1.0	72	0.2
Traffic island	11	0.0	1	0.3	1	0.0
Fire hydrant	209	0.1	1	0.3	32	0.1
Impact attenuator	16	0.0	0	0.0	7	0.0
Other fixed object	1,043	0.7	2	0.5	218	0.6
COLLISION FIXED Subtotal	17,803	11.9	104	26.3	4,441	12.7

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	7,527	5.0	1	0.3	1,779	5.1
TOTAL MOST HARMFUL EVENT	150,220	100.0	396	100.0	34,853	100.0

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	33,926	22.6	152	38.4	6,900	19.8
Head On	2,648	1.8	80	20.2	1,177	3.4
Head On - Left Turn	5,472	3.6	19	4.8	2,177	6.2
Angle	35,236	23.5	95	24.0	9,966	28.6
Rear End	47,846	31.9	24	6.1	10,992	31.5
Rear End - Left Turn	2,311	1.5	1	0.3	664	1.9
Rear End - Right Turn	1,540	1.0	0	0.0	234	0.7
Sideswipe - Same Direction	12,459	8.3	3	0.8	1,261	3.6
Sideswipe - Opposite Direct	3,567	2.4	11	2.8	519	1.5
Other	4,948	3.3	11	2.8	893	2.6
Unknown	267	0.2	0	0.0	70	0.2
Total Drivers	150,220	100.0	396	100.0	34,853	100.0

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	125,535	83.6	273	68.9	28,365	81.4
Median	1,047	0.7	6	1.5	288	0.8
Shoulder	5,588	3.7	30	7.6	1,398	4.0
Outside of Shoulder/Curb	11,577	7.7	71	17.9	3,330	9.6
Gore	289	0.2	0	0.0	75	0.2
Other/Unknown	6,184	4.1	16	4.0	1,397	4.0
Total Drivers	150,220	100.0	396	100.0	34,853	100.0

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	15,105	10.1	30	7.6	3,537	10.1
U.S. & Michigan Roads	42,075	28.0	122	30.8	9,757	28.0
County & City Roads	93,040	61.9	244	61.6	21,559	61.9
Total Drivers	150,220	100.0	396	100.0	34,853	100.0

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.	8,137	5.4	64	16.2	1,955	5.6
03:00 a.m. - 05:59 a.m.	3,880	2.6	21	5.3	998	2.9
06:00 a.m. - 08:59 a.m.	15,262	10.2	31	7.8	3,309	9.5
09:00 a.m. - 11:59 a.m.	15,766	10.5	39	9.8	3,672	10.5
12:00 noon – 02:59 p.m.	27,041	18.0	54	13.6	6,528	18.7
03:00 p.m. - 05:59 p.m.	39,984	26.6	67	16.9	9,350	26.8
06:00 p.m. - 08:59 p.m.	23,340	15.5	51	12.9	5,315	15.2
09:00 p.m. - 11:59 p.m.	15,640	10.4	66	16.7	3,492	10.0
Unknown	1,170	0.8	3	0.8	234	0.7
Total Drivers	150,220	100.0	396	100.0	34,853	100.0

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	57,748	38.4	94	23.7	11,772	33.8	266	0.6
Speed too fast	14,877	9.9	74	18.7	3,767	10.8	5,564	12.4
Speed too slow	682	0.5	0	0.0	164	0.5	346	0.8
Failed to yield	16,858	11.2	36	9.1	4,762	13.7	10,131	22.6
Disregard traffic control	3,817	2.5	17	4.3	1,508	4.3	2,538	5.7
Drove wrong way	238	0.2	0	0.0	75	0.2	112	0.3
Drove left of center	994	0.7	24	6.1	346	1.0	448	1.0
Improper passing	963	0.6	2	0.5	148	0.4	454	1.0
Improper lane use	3,030	2.0	2	0.5	391	1.1	1,519	3.4
Improper turn	1,518	1.0	1	0.3	261	0.7	757	1.7
Improper/no signal	230	0.2	0	0.0	34	0.1	72	0.2
Improper backing	2,089	1.4	1	0.3	83	0.2	783	1.7
Unable to stop in assured clear distance	27,703	18.4	9	2.3	6,186	17.7	15,505	34.6
Reckless driving	1,094	0.7	27	6.8	478	1.4	580	1.3
Careless/Negligent driving	5,086	3.4	40	10.1	1,806	5.2	3,092	6.9
Other	5,654	3.8	30	7.6	1,404	4.0	1,915	4.3
Unknown	7,639	5.1	39	9.8	1,668	4.8	686	1.5
Total Drivers	150,220	100.0	396	100.0	34,853	100.0	44,768	100.0

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	15,737	10.5	51	12.9	3,819	11.0
Monday	20,798	13.8	52	13.1	4,750	13.6
Tuesday	21,585	14.4	56	14.1	4,876	14.0
Wednesday	22,717	15.1	53	13.4	5,061	14.5
Thursday	22,087	14.7	39	9.8	5,028	14.4
Friday	27,643	18.4	63	15.9	6,450	18.5
Saturday	19,653	13.1	82	20.7	4,869	14.0
Total Drivers	150,220	100.0	396	100.0	34,853	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	82,797	55.1	278	70.2	18,425	52.9
Female	67,016	44.6	117	29.5	16,327	46.8
Unknown	407	0.3	1	0.3	101	0.3
Total Drivers	150,220	100.0	396	100.0	34,853	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	100,557	66.9	212	53.5	21,377	61.3
2 occupants	31,171	20.8	115	29.0	8,223	23.6
3 occupants	8,743	5.8	39	9.8	2,640	7.6
4 occupants	3,210	2.1	16	4.0	1,020	2.9
5 occupants	925	0.6	9	2.3	352	1.0
6 + occupants	616	0.4	2	0.5	180	0.5
0 occupants	2,440	1.6	0	0.0	530	1.5
Unknown	2,558	1.7	3	0.8	531	1.5
Total Drivers	150,220	100.0	396	100.0	34,853	100.0

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	120,273	80.1	286	72.2	28,006	80.4
Van and Motorhome	5,060	3.4	14	3.5	1,172	3.4
Pickup	19,360	12.9	63	15.9	4,026	11.6
Small Truck (under 10,000 lbs.)	3,365	2.2	9	2.3	747	2.1
Motorcycle	577	0.4	13	3.3	459	1.3
Moped	62	0.0	0	0.0	52	0.1
Go Cart	2	0.0	0	0.0	2	0.0
Snowmobile	81	0.1	2	0.5	50	0.1
Off Road Vehicle	93	0.1	6	1.5	71	0.2
Other	176	0.1	1	0.3	42	0.1
Unknown	325	0.2	1	0.3	62	0.2
CDL Truck/Bus (breakdown below)	846	0.6	1	0.3	164	0.5
Total Number of Drivers	150,220	100.0	396	100.0	34,853	100.0

NOTES:

- 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 trafficway (in Michigan) and result in injury, death, or at least \$1,000 in property damage.

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	349	41.3	0	0.0	65	39.6
Commercial Vehicle: Group B	181	21.4	0	0.0	41	25.0
Commercial Vehicle: Group C	37	4.4	0	0.0	4	2.4
Other Truck	92	10.9	0	0.0	16	9.8
Unknown Truck	187	22.1	1	100.0	38	23.2
Total Number of Drivers	846	100.0	1	100.0	164	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.

DRIVER AGE 25-64

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	197,965	52.7	790	76.0	42,249	51.5
Turning left	23,823	6.3	53	5.1	6,198	7.6
Turning right	9,661	2.6	9	0.9	1,475	1.8
Stopped on roadway	46,497	12.4	37	3.6	12,313	15.0
In prior crash	607	0.2	0	0.0	174	0.2
Changing lanes	7,819	2.1	13	1.3	1,102	1.3
Backing	8,763	2.3	7	0.7	404	0.5
Slowing/stopping on roadway	38,173	10.2	31	3.0	8,657	10.6
Slowing/stopping other	568	0.2	1	0.1	131	0.2
Starting up on roadway	7,394	2.0	13	1.3	1,688	2.1
Starting up other	280	0.1	2	0.2	72	0.1
Entering parking	420	0.1	1	0.1	46	0.1
Leaving parking	1,071	0.3	0	0.0	206	0.3
Entering roadway	5,014	1.3	5	0.5	1,139	1.4
Leaving roadway	650	0.2	6	0.6	214	0.3
Making U-turn	715	0.2	0	0.0	175	0.2
Overtaking or passing	2,766	0.7	22	2.1	519	0.6
Avoiding object	477	0.1	2	0.2	117	0.1
Avoiding animal	909	0.2	1	0.1	217	0.3
Avoiding pedestrian	94	0.0	1	0.1	41	0.0
Avoiding vehicle (front/back)	3,550	0.9	24	2.3	900	1.1
Avoiding vehicle (angle)	1,720	0.5	14	1.3	434	0.5
Driverless moving	61	0.0	0	0.0	14	0.0
Parked	2,156	0.6	2	0.2	206	0.3
Crossing at intersection	21	0.0	0	0.0	6	0.0
Crossing not at intersection	16	0.0	0	0.0	3	0.0
Getting on/off vehicle	3	0.0	0	0.0	0	0.0
In roadway with traffic	2	0.0	0	0.0	1	0.0
In roadway against traffic	27	0.0	0	0.0	6	0.0
Standing/lying in roadway	3	0.0	0	0.0	1	0.0
Pushing/working on vehicle	4	0.0	0	0.0	0	0.0
Other working in roadway	206	0.1	0	0.0	50	0.1
Playing in roadway	27	0.0	0	0.0	9	0.0
In roadway other reason	15	0.0	0	0.0	5	0.0
Not in roadway	82	0.0	0	0.0	12	0.0
Other	95	0.0	1	0.1	32	0.0
Unknown	14,017	3.7	5	0.5	3,216	3.9
Total Drivers	375,671	100.0	1,040	100.0	82,032	100.0

DRIVER AGE 25-64 (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	1,319	0.4	0	0.0	350	0.4
Cross center/median	283	0.1	0	0.0	79	0.1
Ran off road left	425	0.1	1	0.1	89	0.1
Ran off road right	748	0.2	0	0.0	156	0.2
Re-enter road	63	0.0	0	0.0	19	0.0
Overturn	5,150	1.4	72	6.9	2,480	3.0
Separation of units	1,576	0.4	2	0.2	348	0.4
Fire/explosion	437	0.1	6	0.6	44	0.1
Immersion	34	0.0	1	0.1	5	0.0
Jackknife	255	0.1	0	0.0	30	0.0
Downhill runaway	906	0.2	0	0.0	225	0.3
Cargo loss/shift	584	0.2	1	0.1	67	0.1
Individual fell off	297	0.1	9	0.9	221	0.3
Other noncollision	1,025	0.3	3	0.3	200	0.2
NONCOLLISION Subtotal	13,102	3.5	95	9.1	4,313	5.3

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	1,201	0.3	82	7.9	963	1.2
Pedalcycle (Bicyclist)	1,090	0.3	11	1.1	833	1.0
Motor vehicle in transport	254,348	67.7	678	65.2	62,463	76.1
Parked motor vehicle	6,242	1.7	16	1.5	689	0.8
Railway train	178	0.0	6	0.6	60	0.1
Animal	46,374	12.3	1	0.1	827	1.0
Other nonfixed objects	4,054	1.1	4	0.4	342	0.4
COLLISION NONFIXED Subtotal	313,487	83.4	798	76.7	66,177	80.7

DRIVER AGE 25-64 (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	432	0.1	3	0.3	83	0.1
Bridge parapet end	117	0.0	0	0.0	23	0.0
Bridge rail	307	0.1	0	0.0	61	0.1
Guardrail face	2,143	0.6	2	0.2	435	0.5
Guardrail end	320	0.1	0	0.0	88	0.1
Median barrier	2,256	0.6	4	0.4	696	0.8
Highway traffic sign post	1,444	0.4	1	0.1	117	0.1
Signal post	168	0.0	0	0.0	24	0.0
Luminaire/light support	360	0.1	3	0.3	85	0.1
Utility pole	1,897	0.5	4	0.4	640	0.8
Other pole	610	0.2	4	0.4	113	0.1
Culvert	297	0.1	3	0.3	110	0.1
Curb	939	0.2	2	0.2	157	0.2
Ditch	4,347	1.2	8	0.8	1,073	1.3
Embankment	1,035	0.3	7	0.7	287	0.3
Fence	658	0.2	0	0.0	85	0.1
Mailbox	1,081	0.3	1	0.1	59	0.1
Tree	5,754	1.5	87	8.4	1,903	2.3
Rail crossing signal	61	0.0	0	0.0	3	0.0
Building	400	0.1	9	0.9	138	0.2
Traffic island	23	0.0	0	0.0	2	0.0
Fire hydrant	311	0.1	0	0.0	61	0.1
Impact attenuator	30	0.0	0	0.0	14	0.0
Other fixed object	1,980	0.5	8	0.8	441	0.5
COLLISION FIXED Subtotal	26,970	7.2	146	14.0	6,698	8.2

	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Unknown Event	22,112	5.9	1	0.1	4,844	5.9
TOTAL MOST HARMFUL EVENT	375,671	100.0	1,040	100.0	82,032	100.0

DRIVER AGE 25-64 (continued)

CRASH TYPE	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Single Vehicle	84,570	22.5	279	26.8	11,071	13.5
Head On	6,274	1.7	220	21.2	2,749	3.4
Head On - Left Turn	11,889	3.2	46	4.4	4,699	5.7
Angle	80,599	21.5	259	24.9	23,090	28.1
Rear End	121,973	32.5	105	10.1	30,813	37.6
Rear End - Left Turn	4,817	1.3	12	1.2	1,416	1.7
Rear End - Right Turn	4,211	1.1	0	0.0	742	0.9
Sideswipe - Same Direction	35,329	9.4	20	1.9	3,458	4.2
Sideswipe - Opposite Direct	9,627	2.6	35	3.4	1,396	1.7
Other	15,560	4.1	64	6.2	2,443	3.0
Unknown	822	0.2	0	0.0	155	0.2
Total Drivers	375,671	100.0	1,040	100.0	82,032	100.0

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	332,082	88.4	823	79.1	71,355	87.0
Median	1,915	0.5	8	0.8	566	0.7
Shoulder	9,480	2.5	56	5.4	2,197	2.7
Outside of Shoulder/Curb	16,141	4.3	124	11.9	4,575	5.6
Gore	482	0.1	1	0.1	129	0.2
Other/Unknown	15,571	4.1	28	2.7	3,210	3.9
Total Drivers	375,671	100.0	1,040	100.0	82,032	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	45,425	12.1	140	13.5	10,253	12.5
U.S. & Michigan Roads	112,653	30.0	382	36.7	25,193	30.7
County & City Roads	217,593	57.9	518	49.8	46,586	56.8
Total Drivers	375,671	100.0	1,040	100.0	82,032	100.0

DRIVER AGE 25-64 (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.	12,711	3.4	103	9.9	2,987	3.6
03:00 a.m. - 05:59 a.m.	12,523	3.3	46	4.4	1,989	2.4
06:00 a.m. - 08:59 a.m.	52,978	14.1	116	11.2	10,215	12.5
09:00 a.m. - 11:59 a.m.	48,593	12.9	122	11.7	10,986	13.4
12:00 noon - 02:59 p.m.	68,724	18.3	184	17.7	16,815	20.5
03:00 p.m. - 05:59 p.m.	95,930	25.5	193	18.6	22,240	27.1
06:00 p.m. - 08:59 p.m.	53,881	14.3	144	13.8	10,837	13.2
09:00 p.m. - 11:59 p.m.	27,478	7.3	124	11.9	5,429	6.6
Unknown	2,853	0.8	8	0.8	534	0.7
Total Drivers	375,671	100.0	1,040	100.0	82,032	100.0

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	207,759	55.3	483	46.4	42,015	51.2	485	0.7
Speed too fast	19,868	5.3	124	11.9	5,085	6.2	5,823	8.9
Speed too slow	1,179	0.3	4	0.4	270	0.3	458	0.7
Failed to yield	28,286	7.5	50	4.8	7,569	9.2	15,289	23.4
Disregard traffic control	6,929	1.8	35	3.4	2,812	3.4	3,897	6.0
Drove wrong way	464	0.1	6	0.6	127	0.2	157	0.2
Drove left of center	1,927	0.5	44	4.2	614	0.7	700	1.1
Improper passing	1,790	0.5	6	0.6	241	0.3	694	1.1
Improper lane use	7,059	1.9	13	1.3	872	1.1	2,958	4.5
Improper turn	3,488	0.9	5	0.5	569	0.7	1,417	2.2
Improper/no signal	470	0.1	1	0.1	75	0.1	113	0.2
Improper backing	6,406	1.7	1	0.1	208	0.3	1,847	2.8
Unable to stop in assured clear distance	46,669	12.4	25	2.4	10,980	13.4	22,811	34.8
Reckless driving	1,282	0.3	32	3.1	533	0.6	623	1.0
Careless/Negligent driving	6,499	1.7	47	4.5	2,251	2.7	3,485	5.3
Other	12,978	3.5	49	4.7	3,025	3.7	3,586	5.5
Unknown	22,618	6.0	115	11.1	4,786	5.8	1,112	1.7
Total Drivers	375,671	100.0	1,040	100.0	82,032	100.0	65,455	100.0

DRIVER AGE 25-64 (continued)

DAY OF WEEK IN CRASH	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Sunday	32,531	8.7	128	12.3	7,536	9.2
Monday	54,553	14.5	130	12.5	11,864	14.5
Tuesday	57,462	15.3	135	13.0	12,116	14.8
Wednesday	60,230	16.0	144	13.8	12,770	15.6
Thursday	58,583	15.6	154	14.8	12,394	15.1
Friday	68,164	18.1	161	15.5	15,001	18.3
Saturday	44,148	11.8	188	18.1	10,351	12.6
Total Drivers	375,671	100.0	1,040	100.0	82,032	100.0

DRIVER GENDER IN CRASH	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Male	213,978	57.0	753	72.4	44,501	54.2
Female	160,490	42.7	286	27.5	37,276	45.4
Unknown	1,203	0.3	1	0.1	255	0.3
Total Drivers	375,671	100.0	1,040	100.0	82,032	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	273,522	72.8	708	68.1	55,834	68.1
2 occupants	58,438	15.6	211	20.3	15,172	18.5
3 occupants	17,264	4.6	62	6.0	4,809	5.9
4 occupants	7,751	2.1	30	2.9	2,204	2.7
5 occupants	2,678	0.7	8	0.8	831	1.0
6 + occupants	2,878	0.8	8	0.8	713	0.9
0 occupants	6,516	1.7	4	0.4	1,157	1.4
Unknown	6,624	1.8	9	0.9	1,312	1.6
Total Drivers	375,671	100.0	1,040	100.0	82,032	100.0

DRIVER AGE 25-64 (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	244,991	65.2	545	52.4	54,569	66.5
Van and Motorhome	33,385	8.9	66	6.3	7,409	9.0
Pickup	63,823	17.0	176	16.9	11,773	14.4
Small Truck (under 10,000 lbs.)	13,557	3.6	37	3.6	2,843	3.5
Motorcycle	2,480	0.7	67	6.4	1,828	2.2
Moped	155	0.0	1	0.1	98	0.1
Go Cart	7	0.0	0	0.0	4	0.0
Snowmobile	240	0.1	14	1.3	157	0.2
Off Road Vehicle	93	0.0	4	0.4	81	0.1
Other	1,147	0.3	8	0.8	241	0.3
Unknown	1,154	0.3	0	0.0	246	0.3
CDL Truck/Bus (breakdown below)	14,639	3.9	122	11.7	2,783	3.4
Total Number of Drivers	375,671	100.0	1,040	100.0	82,032	100.0

NOTES:

- 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 trafficway (in Michigan) and result in injury, death, or at least \$1,000 in property damage.

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	7,608	52.0	71	58.2	1,467	52.7
Commercial Vehicle: Group B	3,226	22.0	30	24.6	610	21.9
Commercial Vehicle: Group C	433	3.0	1	0.8	76	2.7
Other Truck	606	4.1	6	4.9	109	3.9
Unknown Truck	2,766	18.9	14	11.5	521	18.7
Total Number of Drivers	14,639	100.0	122	100.0	2,783	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.

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	20,849	48.3	136	67.7	4,784	48.6
Turning left	4,771	11.1	30	14.9	1,383	14.1
Turning right	1,528	3.5	2	1.0	215	2.2
Stopped on roadway	4,272	9.9	6	3.0	1,127	11.5
In prior crash	54	0.1	0	0.0	14	0.1
Changing lanes	1,293	3.0	3	1.5	137	1.4
Backing	1,368	3.2	0	0.0	62	0.6
Slowing/stopping on roadway	3,417	7.9	2	1.0	854	8.7
Slowing/stopping other	57	0.1	0	0.0	7	0.1
Starting up on roadway	1,158	2.7	6	3.0	313	3.2
Starting up other	42	0.1	0	0.0	7	0.1
Entering parking	111	0.3	0	0.0	12	0.1
Leaving parking	217	0.5	0	0.0	36	0.4
Entering roadway	1,127	2.6	8	4.0	214	2.2
Leaving roadway	79	0.2	1	0.5	26	0.3
Making U-turn	139	0.3	1	0.5	26	0.3
Overtaking or passing	265	0.6	3	1.5	40	0.4
Avoiding object	33	0.1	0	0.0	8	0.1
Avoiding animal	38	0.1	0	0.0	2	0.0
Avoiding pedestrian	14	0.0	0	0.0	5	0.1
Avoiding vehicle (front/back)	245	0.6	1	0.5	72	0.7
Avoiding vehicle (angle)	115	0.3	1	0.5	32	0.3
Driverless moving	4	0.0	0	0.0	1	0.0
Parked	191	0.4	1	0.5	16	0.2
Crossing at intersection	4	0.0	0	0.0	2	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	1	0.0	0	0.0	0	0.0
Standing/lying in roadway	1	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	27	0.1	0	0.0	10	0.1
Playing in roadway	6	0.0	0	0.0	1	0.0
In roadway other reason	1	0.0	0	0.0	0	0.0
Not in roadway	12	0.0	0	0.0	7	0.1
Other	9	0.0	0	0.0	4	0.0
Unknown	1,692	3.9	0	0.0	420	4.3
Total Drivers	43,141	100.0	201	100.0	9,838	100.0

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

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	101	0.2	0	0.0	25	0.3
Cross center/median	51	0.1	0	0.0	14	0.1
Ran off road left	41	0.1	0	0.0	7	0.1
Ran off road right	66	0.2	0	0.0	16	0.2
Re-enter road	7	0.0	0	0.0	1	0.0
Overturn	310	0.7	4	2.0	160	1.6
Separation of units	213	0.5	2	1.0	30	0.3
Fire/explosion	42	0.1	1	0.5	3	0.0
Immersion	2	0.0	1	0.5	0	0.0
Jackknife	24	0.1	0	0.0	1	0.0
Downhill runaway	131	0.3	0	0.0	30	0.3
Cargo loss/shift	37	0.1	0	0.0	4	0.0
Individual fell off	13	0.0	0	0.0	9	0.1
Other noncollision	96	0.2	1	0.5	20	0.2
NONCOLLISION Subtotal	1,134	2.6	9	4.5	320	3.3

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	187	0.4	12	6.0	149	1.5
Pedalcycle (Bicyclist)	171	0.4	2	1.0	137	1.4
Motor vehicle in transport	31,397	71.4	150	74.6	7,815	79.4
Parked motor vehicle	1,073	2.4	0	0.0	104	1.1
Railway train	20	0.0	3	1.5	8	0.1
Animal	3,935	9.0	0	0.0	54	0.5
Other nonfixed objects	346	0.8	0	0.0	25	0.3
COLLISION NONFIXED Subtotal	37,129	86.1	167	83.1	8,292	84.3

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.

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	23	0.1	1	0.5	5	0.1
Bridge parapet end	9	0.0	0	0.0	0	0.0
Bridge rail	16	0.0	0	0.0	4	0.0
Guardrail face	125	0.3	0	0.0	21	0.2
Guardrail end	24	0.1	0	0.0	12	0.1
Median barrier	87	0.2	2	1.0	30	0.3
Highway traffic sign post	129	0.3	0	0.0	5	0.1
Signal post	17	0.0	0	0.0	1	0.0
Luminaire/light support	35	0.1	0	0.0	11	0.1
Utility pole	155	0.4	2	1.0	58	0.6
Other pole	63	0.1	0	0.0	14	0.1
Culvert	32	0.1	0	0.0	22	0.2
Curb	68	0.2	0	0.0	10	0.1
Ditch	339	0.8	2	1.0	86	0.9
Embankment	73	0.2	0	0.0	26	0.3
Fence	57	0.1	0	0.0	12	0.1
Mailbox	118	0.3	0	0.0	12	0.1
Tree	538	1.2	11	5.5	231	2.3
Rail crossing signal	7	0.0	0	0.0	0	0.0
Building	53	0.1	2	1.0	21	0.2
Traffic island	5	0.0	0	0.0	2	0.0
Fire hydrant	26	0.1	0	0.0	5	0.1
Impact attenuator	7	0.0	0	0.0	3	0.0
Other fixed object	200	0.5	4	2.0	30	0.3
COLLISION FIXED Subtotal	2,206	5.1	24	11.9	621	6.3

	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Unknown Event	2,672	6.2	1	0.5	605	6.1
TOTAL MOST HARMFUL EVENT	43,141	100.0	201	100.0	9,838	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	7,026	16.3	39	19.4	953	9.7
Head On	634	1.5	32	15.9	301	3.1
Head On - Left Turn	2,008	4.7	18	9.0	814	8.3
Angle	13,433	31.1	75	37.3	3,637	37.0
Rear End	11,227	26.0	18	9.0	3,026	30.8
Rear End - Left Turn	551	1.3	1	0.5	175	1.8
Rear End - Right Turn	412	1.0	0	0.0	75	0.8
Sideswipe - Same Direction	4,697	10.9	2	1.0	348	3.5
Sideswipe - Opposite Direct	1,178	2.7	5	2.5	168	1.7
Other	1,872	4.3	11	5.5	322	3.3
Unknown	103	0.2	0	0.0	19	0.2
Total Drivers	43,141	100.0	201	100.0	9,838	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	38,912	90.2	169	84.1	8,753	89.0
Median	149	0.3	3	1.5	35	0.4
Shoulder	787	1.8	7	3.5	173	1.8
Outside of Shoulder/Curb	1,415	3.3	19	9.5	462	4.7
Gore	39	0.1	0	0.0	8	0.1
Other/Unknown	1,839	4.3	3	1.5	407	4.1
Total Drivers	43,141	100.0	201	100.0	9,838	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	3,153	7.3	12	6.0	719	7.3
U.S. & Michigan Roads	13,990	32.4	97	48.3	3,238	32.9
County & City Roads	25,998	60.3	92	45.8	5,881	59.8
Total Drivers	43,141	100.0	201	100.0	9,838	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.	422	1.0	4	2.0	69	0.7
03:00 a.m. - 05:59 a.m.	397	0.9	0	0.0	63	0.6
06:00 a.m. - 08:59 a.m.	3,278	7.6	13	6.5	660	6.7
09:00 a.m. - 11:59 a.m.	8,934	20.7	41	20.4	2,122	21.6
12:00 noon - 02:59 p.m.	11,593	26.9	56	27.9	2,829	28.8
03:00 p.m. - 05:59 p.m.	11,152	25.9	45	22.4	2,695	27.4
06:00 p.m. - 08:59 p.m.	5,084	11.8	30	14.9	1,007	10.2
09:00 p.m. - 11:59 p.m.	1,978	4.6	12	6.0	326	3.3
Unknown	303	0.7	0	0.0	67	0.7
Total Drivers	43,141	100.0	201	100.0	9,838	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	20,102	46.6	61	30.3	4,191	42.6	35	0.4
Speed too fast	1,263	2.9	9	4.5	311	3.2	281	3.2
Speed too slow	121	0.3	0	0.0	27	0.3	45	0.5
Failed to yield	7,236	16.8	55	27.4	1,995	20.3	3,583	41.1
Disregard traffic control	1,348	3.1	20	10.0	512	5.2	716	8.2
Drove wrong way	84	0.2	1	0.5	23	0.2	35	0.4
Drove left of center	302	0.7	9	4.5	102	1.0	88	1.0
Improper passing	214	0.5	2	1.0	17	0.2	72	0.8
Improper lane use	1,366	3.2	2	1.0	137	1.4	511	5.9
Improper turn	743	1.7	0	0.0	125	1.3	323	3.7
Improper/no signal	65	0.2	0	0.0	6	0.1	20	0.2
Improper backing	1,032	2.4	1	0.5	37	0.4	232	2.7
Unable to stop in assured clear distance	4,499	10.4	8	4.0	1,237	12.6	2,061	23.7
Reckless driving	33	0.1	1	0.5	9	0.1	9	0.1
Careless/Negligent driving	681	1.6	5	2.5	232	2.4	301	3.5
Other	1,487	3.4	9	4.5	331	3.4	282	3.2
Unknown	2,565	5.9	18	9.0	546	5.5	115	1.3
Total Drivers	43,141	100.0	201	100.0	9,838	100.0	8,709	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	3,738	8.7	25	12.4	848	8.6
Monday	6,303	14.6	26	12.9	1,453	14.8
Tuesday	6,631	15.4	39	19.4	1,473	15.0
Wednesday	6,910	16.0	31	15.4	1,501	15.3
Thursday	6,626	15.4	25	12.4	1,535	15.6
Friday	7,831	18.2	35	17.4	1,831	18.6
Saturday	5,102	11.8	20	10.0	1,197	12.2
Total Drivers	43,141	100.0	201	100.0	9,838	100.0

DRIVER GENDER IN CRASH	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Male	25,353	58.8	134	66.7	5,618	57.1
Female	17,669	41.0	67	33.3	4,194	42.6
Unknown	119	0.3	0	0.0	26	0.3
Total Drivers	43,141	100.0	201	100.0	9,838	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	30,765	71.3	136	67.7	6,742	68.5
2 occupants	9,233	21.4	53	26.4	2,371	24.1
3 occupants	992	2.3	6	3.0	254	2.6
4 occupants	377	0.9	2	1.0	99	1.0
5 occupants	98	0.2	0	0.0	38	0.4
6 + occupants	218	0.5	2	1.0	55	0.6
0 occupants	737	1.7	1	0.5	139	1.4
Unknown	721	1.7	1	0.5	140	1.4
Total Drivers	43,141	100.0	201	100.0	9,838	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	32,766	76.0	148	73.6	7,576	77.0
Van and Motorhome	3,699	8.6	15	7.5	856	8.7
Pickup	5,040	11.7	27	13.4	1,001	10.2
Small Truck (under 10,000 lbs.)	859	2.0	2	1.0	210	2.1
Motorcycle	64	0.1	1	0.5	54	0.5
Moped	11	0.0	0	0.0	10	0.1
Go Cart	0	0.0	0	0.0	0	0.0
Snowmobile	4	0.0	0	0.0	3	0.0
Off Road Vehicle	9	0.0	2	1.0	5	0.1
Other	90	0.2	1	0.5	24	0.2
Unknown	117	0.3	0	0.0	24	0.2
CDL Truck/Bus (breakdown below)	482	1.1	5	2.5	75	0.8
Total Number of Drivers	43,141	100.0	201	100.0	9,838	100.0

NOTES:

- 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 trafficway (in Michigan) and result in injury, death, or at least \$1,000 in property damage.

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	222	46.1	2	40.0	34	45.3
Commercial Vehicle: Group B	117	24.3	2	40.0	23	30.7
Commercial Vehicle: Group C	34	7.1	0	0.0	4	5.3
Other Truck	23	4.8	0	0.0	2	2.7
Unknown Truck	86	17.8	1	20.0	12	16.0
Total Number of Drivers	482	100.0	5	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.

