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Age

PERSON'S AGE and THEIR INJURY SEVERITY by PERSON TYPE

Age	Drivers				Passengers			Bicyclist			Pedestrian		
	Total	Killed	Injured	No Injury	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured
0*	33	0	1	31	221	1	220	0	0	0	0	0	0
1	13	0	5	8	251	1	250	1	0	1	4	1	3
2	20	0	9	11	320	1	319	1	0	1	8	1	7
3	23	0	8	14	324	4	319	3	0	3	32	0	30
4	33	0	17	15	372	3	368	3	0	3	33	2	29
5	40	0	27	12	418	0	418	16	1	11	36	1	32
6	42	0	29	13	390	3	387	20	3	16	43	2	36
7	55	0	43	10	442	4	438	32	0	25	47	0	46
8	59	1	40	17	474	3	471	39	0	34	58	3	49
9	74	0	50	22	470	6	464	40	0	32	51	1	44
10	93	0	63	28	492	2	490	42	0	36	52	2	45
11	120	0	74	43	509	4	505	68	0	61	58	3	49
12	177	0	115	60	491	4	487	82	0	70	59	0	53
13	214	1	108	100	555	6	548	86	1	64	62	4	53
14	352	0	148	199	715	5	710	84	1	69	57	0	53
15	1,188	4	250	907	1,064	9	1,053	69	0	57	68	1	59
16	16,824	18	2,152	14,363	1,379	11	1,337	56	2	40	56	3	48
17	19,908	21	2,489	17,013	1,338	15	1,284	32	0	31	48	1	41
18	22,012	16	3,034	18,477	1,188	17	1,138	47	0	36	39	1	36
19	20,501	27	2,753	17,261	943	14	904	30	0	25	44	2	38
20	18,495	21	2,522	15,564	807	8	771	27	1	23	33	2	28
21	17,465	30	2,356	14,727	775	10	735	29	0	24	39	1	36
22	16,065	23	2,162	13,492	646	8	603	15	0	13	33	1	28
23	14,762	18	1,910	12,494	575	10	543	16	0	15	30	2	25
24	13,565	15	1,769	11,439	463	3	445	21	0	19	29	1	26
25	12,762	21	1,663	10,768	394	5	367	13	0	12	26	3	22
26	12,498	10	1,607	10,562	411	4	384	11	0	9	17	1	15
27	12,254	15	1,568	10,343	357	4	329	16	0	14	21	1	17
28	12,321	17	1,587	10,410	366	2	341	8	0	8	20	3	17
29	12,741	12	1,673	10,676	352	2	332	9	0	9	27	3	21
30	13,400	11	1,743	11,289	383	6	346	11	1	7	17	5	9
31	12,907	10	1,618	10,918	359	3	333	10	0	9	20	1	19
32	12,570	10	1,546	10,660	323	4	292	9	0	7	23	1	18
33	12,059	14	1,456	10,267	269	2	246	7	0	5	29	2	27
34	12,033	16	1,517	10,192	300	3	277	18	0	17	27	2	24
35	11,976	11	1,498	10,167	322	3	293	12	0	10	24	3	20
36	12,459	10	1,543	10,562	287	2	268	9	0	7	27	3	20
37	12,480	9	1,501	10,656	285	3	261	14	1	11	19	2	15
38	12,562	20	1,529	10,672	291	7	256	13	2	10	33	2	28
39	12,450	13	1,481	10,676	260	2	232	16	2	11	17	3	12
40	12,575	15	1,526	10,696	295	4	270	20	0	17	26	5	19
41	12,053	18	1,488	10,252	280	3	245	14	1	12	30	1	27

* 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	Drivers				Passengers			Bicyclist			Pedestrian		
	Total	Killed	Injured	No Injury	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured
42	12,141	12	1,515	10,303	288	1	260	15	0	14	30	4	24
43	11,843	18	1,465	10,054	307	2	285	21	1	19	35	5	29
44	11,654	15	1,455	9,869	295	2	256	17	0	17	35	4	26
45	11,265	13	1,404	9,571	297	2	271	20	0	17	34	4	26
46	10,609	10	1,344	8,984	288	3	264	13	0	11	43	1	36
47	10,401	12	1,296	8,823	261	1	239	15	1	9	29	3	22
48	9,540	10	1,274	8,056	238	6	219	11	1	8	28	3	24
49	9,399	15	1,177	7,987	245	1	225	14	0	12	27	6	18
50	8,754	9	1,167	7,377	227	3	199	14	1	9	22	2	19
51	8,222	11	1,094	6,897	219	2	196	9	1	8	30	6	22
52	8,166	8	1,069	6,889	214	1	196	14	0	12	23	1	20
53	8,007	7	991	6,819	224	3	210	7	0	5	20	2	14
54	7,810	11	958	6,651	198	1	180	3	0	3	15	0	13
55	6,145	6	793	5,173	163	3	148	5	0	4	13	1	11
56	5,565	6	717	4,689	163	2	149	2	0	2	15	2	11
57	5,358	6	698	4,511	161	2	151	7	1	6	8	1	6
58	5,663	3	708	4,831	180	0	173	3	0	3	11	1	10
59	5,014	4	647	4,233	130	3	117	3	0	3	17	1	13
60	4,329	8	538	3,687	127	1	119	5	0	5	7	1	5
61	3,919	10	503	3,315	127	2	120	3	0	3	5	0	5
62	3,596	9	429	3,069	144	2	136	1	1	0	7	0	5
63	3,478	9	423	2,957	132	1	126	2	0	2	8	3	4
64	3,249	4	409	2,732	123	0	116	1	0	1	7	0	6
65	3,010	6	416	2,518	114	2	105	4	0	4	9	2	7
66	2,889	4	375	2,426	97	0	93	4	0	4	3	0	3
67	2,628	6	361	2,201	88	2	81	2	0	1	5	0	5
68	2,644	5	360	2,216	97	1	89	2	0	2	5	0	5
69	2,595	7	347	2,181	102	3	96	2	0	1	6	1	4
70	2,562	6	329	2,163	118	1	111	3	0	3	7	1	6
71	2,508	9	318	2,113	100	3	96	1	0	1	7	2	5
72	2,354	4	307	1,989	109	1	103	0	0	0	6	2	4
73	2,355	5	277	2,007	123	5	115	1	0	1	4	0	4
74	2,281	1	300	1,931	113	2	102	4	1	3	6	1	5
75	2164	5	293	1,820	104	4	96	4	1	3	2	0	2
76	2099	8	306	1,739	100	3	94	2	0	2	5	1	2
77	1974	9	278	1,651	102	2	98	1	1	0	4	1	3
78	1847	8	245	1,544	96	6	86	0	0	0	5	1	4
79	1649	5	213	1,384	88	3	82	1	0	1	5	1	3
80	1531	8	202	1,286	95	1	92	0	0	0	6	1	5
81	1359	10	209	1,107	70	0	70	1	0	1	4	2	2
82	1180	4	183	964	58	1	56	0	0	0	2	1	1
83	1050	5	152	869	45	1	43	0	0	0	6	2	1

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

Age	Drivers				Passengers			Bicyclist			Pedestrian		
	Total *	Killed	Injured	No Injury	Total *	Killed	Injured	Total *	Killed	Injured	Total *	Killed	Injured
84	878	7	119	736	44	0	43	0	0	0	6	3	3
85	718	4	112	583	40	3	35	0	0	0	3	2	1
86	563	3	90	460	35	2	31	0	0	0	4	2	2
87	454	3	87	355	38	1	37	0	0	0	2	2	0
88	340	8	55	269	29	2	27	0	0	0	1	1	0
89	260	2	34	215	24	2	21	0	0	0	1	1	0
90	160	1	27	131	15	0	15	1	0	1	0	0	0
91	123	2	20	101	12	1	11	0	0	0	2	2	0
92	87	2	13	71	13	0	13	0	0	0	1	0	1
93	46	0	7	39	2	0	2	0	0	0	0	0	0
94	32	1	4	27	7	0	7	0	0	0	0	0	0
95	23	0	5	17	5	0	5	0	0	0	1	0	1
96	16	0	3	11	2	0	2	0	0	0	0	0	0
97	9	1	1	7	0	0	0	0	0	0	0	0	0
98	2	0	0	2	1	0	1	0	0	0	0	0	0
99	1	0	0	1	1	0	1	0	0	0	0	0	0
100	2	0	0	2	1	0	1	0	0	0	0	0	0
101	0	0	0	0	0	0	0	0	0	0	1	0	1
103	0	0	0	0	1	0	1	0	0	0	0	0	0
171	0	0	0	0	1	0	1	0	0	0	0	0	0
303	1	0	1	0	0	0	0	0	0	0	0	0	0
Unknown	95,082	35	2,861	28,247	781	2	772	35	0	19	125	1	86
Totals	687,836	827	79,662	528,946	28,778	309	27,368	1,342	26	1,104	2,135	160	1,759
	* Includes 78,401 drivers with unknown injury severity				* Includes 45 passengers with unknown injury severity and 1,056 with no injury			* Includes 37 bicyclists with unknown injury severity and 175 with no injury			* Includes 81 pedestrians with unknown injury severity and 135 with no injury		

Due to data processing errors ~1,600 pedestrians and ~1,600 bicyclists are incorrectly identified as drivers. Comparison to prior years of pedestrian and bicyclist data must take this into account.

DRIVER AGE

Drivers on Michigan Roads:

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, and are more likely to commit "Failed to Yield" as a hazardous action while younger drivers are more likely to be speeding. Younger drivers are least likely to be alone in their car at the time of the crash.

For more information on age and the crash experience please visit the Michigan Traffic Crash Facts web site www.umtri.umich.edu/tdc/mtcf/crash_facts.htm.



Nationally:

According to a Policy Statement by the American Academy of Pediatrics [10], motor vehicle-related crashes remain the leading cause of death in youth from 16 through 20 years of age, resulting in more than 5,000 such deaths annually. This age group constitutes only 7 percent of the U.S. population yet accounts for 14 percent of all motor vehicle-related deaths. Youth 16 through 19 years of age constitute 5 percent of all licensed drivers and 3 percent of all vehicle miles traveled, yet teenage drivers are involved in 15 percent of the crashes in which they or other occupants are killed. The motor vehicle fatality rate of teenagers is higher than that of any other age group; on a per-mile-driven basis, 16-year-old drivers are more than 20 times as likely to have a crash as is the general population of drivers, and 17-year-old drivers are more than 6 times as likely.

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	83,490	52.3	318	72.1	20,891	54.4
Turning left	13,404	8.4	18	4.1	3,823	10.0
Turning right	4,182	2.6	4	0.9	711	1.9
Stopped on roadway	12,288	7.7	8	1.8	3,005	7.8
In prior crash	242	0.2	1	0.2	60	0.2
Changing lanes	3,809	2.4	5	1.1	616	1.6
Backing	3,402	2.1	4	0.9	201	0.5
Slowing/stopping on roadway	14,948	9.4	10	2.3	3,244	8.4
Slowing/stopping other	195	0.1	1	0.2	42	0.1
Starting up on roadway	3,162	2.0	9	2.0	845	2.2
Starting up other	97	0.1	0	0.0	29	0.1
Entering parking	161	0.1	0	0.0	21	0.1
Leaving parking	579	0.4	0	0.0	123	0.3
Entering roadway	2,956	1.9	5	1.1	703	1.8
Leaving roadway	376	0.2	5	1.1	122	0.3
Making U-turn	333	0.2	0	0.0	94	0.2
Overtaking or passing	1,600	1.0	15	3.4	370	1.0
Avoiding object	290	0.2	0	0.0	83	0.2
Avoiding animal	680	0.4	0	0.0	195	0.5
Avoiding pedestrian	44	0.0	1	0.2	19	0.0
Avoiding vehicle (front/back)	1,647	1.0	9	2.0	436	1.1
Avoiding vehicle (angle)	704	0.4	2	0.5	172	0.4
Driverless moving	28	0.0	0	0.0	7	0.0
Parked	489	0.3	0	0.0	50	0.1
Crossing at intersection	89	0.1	0	0.0	78	0.2
Crossing not at intersection	44	0.0	0	0.0	40	0.1
Getting on/off vehicle	11	0.0	0	0.0	7	0.0
In roadway with traffic	21	0.0	0	0.0	20	0.1
In roadway against traffic	9	0.0	0	0.0	8	0.0
Standing/lying in roadway	8	0.0	0	0.0	7	0.0
Pushing/working on vehicle	4	0.0	0	0.0	3	0.0
Other working in roadway	7	0.0	0	0.0	4	0.0
Playing in roadway	3	0.0	0	0.0	2	0.0
In roadway other reason	17	0.0	0	0.0	14	0.0
Not in roadway	20	0.0	0	0.0	17	0.0
Other	165	0.1	2	0.5	53	0.1
Unknown	10,093	6.3	24	5.4	2,299	6.0
Total Drivers	159,597	100.0	441	100.0	38,414	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	749	0.5	0	0.0	226	0.6
Cross center/median	130	0.1	0	0.0	31	0.1
Ran off road left	248	0.2	0	0.0	59	0.2
Ran off road right	443	0.3	0	0.0	101	0.3
Re-enter road	28	0.0	0	0.0	9	0.0
Overturn	3,326	2.1	34	7.7	1,634	4.3
Separation of units	229	0.1	0	0.0	63	0.2
Fire/explosion	196	0.1	4	0.9	34	0.1
Immersion	24	0.0	1	0.2	3	0.0
Jackknife	50	0.0	0	0.0	7	0.0
Downhill runaway	13	0.0	0	0.0	2	0.0
Cargo loss/shift	91	0.1	0	0.0	6	0.0
Individual fell off	138	0.1	3	0.7	110	0.3
Other noncollision	393	0.2	0	0.0	70	0.2
NONCOLLISION Subtotal	6,058	3.8	42	9.5	2,355	6.1

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	528	0.3	25	5.7	441	1.1
Pedalcycle	399	0.3	4	0.9	322	0.8
Motor vehicle in transport	103,781	65.0	234	53.1	26,061	67.8
Parked motor vehicle	2,938	1.8	4	0.9	388	1.0
Railway train	37	0.0	2	0.5	17	0.0
Animal	10,870	6.8	0	0.0	261	0.7
Other nonfixed objects	1,171	0.7	2	0.5	143	0.4
COLLISION NONFIXED Subtotal	119,724	75.0	271	61.5	27,633	71.9

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	151	0.1	1	0.2	46	0.1
Bridge parapet end	34	0.0	0	0.0	9	0.0
Bridge rail	116	0.1	1	0.2	23	0.1
Guardrail face	934	0.6	0	0.0	176	0.5
Guardrail end	157	0.1	0	0.0	53	0.1
Median barrier	887	0.6	1	0.2	294	0.8
Highway traffic sign post	744	0.5	2	0.5	58	0.2
Signal post	73	0.0	0	0.0	14	0.0
Luminaire/light support	164	0.1	3	0.7	37	0.1
Utility pole	1,086	0.7	9	2.0	425	1.1
Other pole	283	0.2	0	0.0	58	0.2
Culvert	242	0.2	4	0.9	97	0.3
Curb	722	0.5	1	0.2	88	0.2
Ditch	2,773	1.7	4	0.9	692	1.8
Embankment	644	0.4	0	0.0	192	0.5
Fence	455	0.3	1	0.2	78	0.2
Mailbox	701	0.4	1	0.2	53	0.1
Tree	3,827	2.4	60	13.6	1,462	3.8
Rail crossing signal	14	0.0	0	0.0	2	0.0
Building	211	0.1	2	0.5	69	0.2
Traffic island	20	0.0	0	0.0	4	0.0
Fire hydrant	148	0.1	0	0.0	24	0.1
Impact attenuator	13	0.0	0	0.0	5	0.0
Other fixed object	994	0.6	5	1.1	231	0.6
COLLISION FIXED Subtotal	15,393	9.6	95	21.5	4,190	10.9

Teens and young adults have the highest incidence of collision with ditches and trees in 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	18,422	11.5	33	7.5	4,236	11.0
TOTAL MOST HARMFUL EVENT	159,597	100.0	441	100.0	38,414	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	33,821	21.2	169	38.3	7,104	18.5
Head On	2,790	1.7	81	18.4	1,230	3.2
Head On - Left Turn	6,347	4.0	13	2.9	2,554	6.6
Angle	38,131	23.9	122	27.7	11,261	29.3
Rear End	50,165	31.4	20	4.5	11,964	31.1
Rear End - Left Turn	2,487	1.6	4	0.9	726	1.9
Rear End - Right Turn	1,535	1.0	0	0.0	243	0.6
Sideswipe - Same Direction	12,473	7.8	8	1.8	1,216	3.2
Sideswipe - Opposite Direct	3,761	2.4	8	1.8	571	1.5
Other	5,970	3.7	13	2.9	1,156	3.0
Unknown	2,117	1.3	3	0.7	389	1.0
Total Drivers	159,597	100.0	441	100.0	38,414	100.0

Teen and young adult drivers are involved in the largest proportion of single vehicle fatal 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	138,749	86.9	310	70.3	32,491	84.6
Median	920	0.6	4	0.9	303	0.8
Shoulder	5,409	3.4	29	6.6	1,416	3.7
Outside of Shoulder/Curb	10,518	6.6	84	19.0	3,241	8.4
Gore	327	0.2	2	0.5	106	0.3
Other/Unknown	3,674	2.3	12	2.7	857	2.2
Total Drivers	159,597	100.0	441	100.0	38,414	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	16,114	10.1	35	7.9	3,751	9.8
U.S. & Michigan Roads	30,282	19.0	103	23.4	7,260	18.9
County & City Roads	113,201	70.9	303	68.7	27,403	71.3
Total Drivers	159,597	100.0	441	100.0	38,414	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.	8,057	5.0	61	13.8	2,184	5.7
03:00 a.m. - 05:59 a.m.	3,649	2.3	36	8.2	997	2.6
06:00 a.m. - 08:59 a.m.	15,956	10.0	37	8.4	3,631	9.5
09:00 a.m. - 11:59 a.m.	14,302	9.0	25	5.7	3,440	9.0
12:00 noon - 02:59 p.m.	26,530	16.6	59	13.4	6,724	17.5
03:00 p.m. - 05:59 p.m.	39,667	24.9	75	17.0	9,592	25.0
06:00 p.m. - 08:59 p.m.	24,010	15.0	59	13.4	5,685	14.8
09:00 p.m. - 11:59 p.m.	16,302	10.2	79	17.9	3,807	9.9
Unknown	11,124	7.0	10	2.3	2,354	6.1
Total Drivers	159,597	100.0	441	100.0	38,414	100.0

6:00 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	65,051	40.8	120	27.2	13,519	35.2	139	0.3
Speed too fast	13,406	8.4	103	23.4	3,880	10.1	5,248	11.8
Speed too slow	238	0.1	0	0.0	81	0.2	107	0.2
Failed to yield	17,700	11.1	33	7.5	5,154	13.4	10,441	23.4
Disregard traffic control	3,921	2.5	24	5.4	1,731	4.5	2,532	5.7
Drove wrong way	91	0.1	3	0.7	31	0.1	46	0.1
Drove left of center	868	0.5	17	3.9	299	0.8	381	0.9
Improper passing	1,146	0.7	2	0.5	206	0.5	519	1.2
Improper lane use	2,964	1.9	2	0.5	391	1.0	1,423	3.2
Improper turn	1,748	1.1	2	0.5	327	0.9	814	1.8
Improper/no signal	209	0.1	0	0.0	36	0.1	48	0.1
Improper backing	2,508	1.6	1	0.2	98	0.3	828	1.9
Unable to stop in assured clear distance	28,720	18.0	5	1.1	6,745	17.6	15,783	35.4
Reckless driving	948	0.6	14	3.2	401	1.0	522	1.2
Careless\Negligent driving	4,466	2.8	32	7.3	1,675	4.4	2,701	6.1
Other	6,458	4.0	39	8.8	1,750	4.6	2,034	4.6
Unknown	9,155	5.7	44	10.0	2,090	5.4	1,073	2.4
Total Drivers	159,597	100.0	441	100.0	38,414	100.0	44,639	100.0

Compared to the other two age groups, teen and young adult drivers have the highest incidence of fatal crashes when their speed is too fast.

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	16,894	10.6	66	15.0	4,313	11.2
Monday	22,906	14.4	55	12.5	5,408	14.1
Tuesday	21,300	13.3	56	12.7	5,049	13.1
Wednesday	24,003	15.0	58	13.2	5,644	14.7
Thursday	23,696	14.8	49	11.1	5,653	14.7
Friday	29,809	18.7	68	15.4	7,142	18.6
Saturday	20,989	13.2	89	20.2	5,205	13.5
Total Drivers	159,597	100.0	441	100.0	38,414	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	89,448	56.0	311	70.5	20,508	53.4
Female	66,101	41.4	121	27.4	16,992	44.2
Unknown	4,048	2.5	9	2.0	914	2.4
Total Drivers	159,597	100.0	441	100.0	38,414	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	103,062	64.6	231	52.4	22,543	58.7
2 occupants	34,366	21.5	117	26.5	9,440	24.6
3 occupants	9,732	6.1	52	11.8	3,010	7.8
4 occupants	3,598	2.3	16	3.6	1,196	3.1
5 occupants	923	0.6	11	2.5	339	0.9
6 + occupants	362	0.2	4	0.9	132	0.3
0 occupants	534	0.3	0	0.0	61	0.2
Unknown	7,020	4.4	10	2.3	1,693	4.4
Total Drivers	159,597	100.0	441	100.0	38,414	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	121,072	75.9	282	63.9	29,428	76.6
Van and Motorhome	5,566	3.5	14	3.2	1,393	3.6
Pickup	24,032	15.1	85	19.3	5,048	13.1
Small Truck (under 10,000 lbs.)	2,984	1.9	7	1.6	656	1.7
Motorcycle	654	0.4	26	5.9	478	1.2
Moped	49	0.0	0	0.0	36	0.1
Go Cart	3	0.0	1	0.2	1	0.0
Snowmobile	82	0.1	0	0.0	54	0.1
Off Road Vehicle	83	0.1	9	2.0	61	0.2
Other	249	0.2	0	0.0	91	0.2
Unknown	3,814	2.4	9	2.0	992	2.6
CDL Truck/Bus (breakdown below)	1,009	0.6	8	1.8	176	0.5
Total Number of Drivers	159,597	100.0	441	100.0	38,414	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	292	28.9	6	75.0	58	33.0
Commercial Vehicle: Group B	246	24.4	1	12.5	30	17.0
Commercial Vehicle: Group C	50	5.0	0	0.0	12	6.8
Other Truck	141	14.0	0	0.0	25	14.2
Unknown Truck	280	27.8	1	12.5	51	29.0
Total Number of Drivers	1,009	100.0	8	100.0	176	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	197,955	51.3	802	72.1	44,203	50.5
Turning left	25,353	6.6	46	4.1	6,840	7.8
Turning right	10,039	2.6	7	0.6	1,722	2.0
Stopped on roadway	44,764	11.6	61	5.5	12,091	13.8
In prior crash	493	0.1	1	0.1	152	0.2
Changing lanes	7,697	2.0	19	1.7	1,111	1.3
Backing	9,513	2.5	2	0.2	515	0.6
Slowing/stopping on roadway	35,554	9.2	24	2.2	8,546	9.8
Slowing/stopping other	488	0.1	0	0.0	100	0.1
Starting up on roadway	7,679	2.0	12	1.1	1,869	2.1
Starting up other	222	0.1	0	0.0	50	0.1
Entering parking	513	0.1	1	0.1	45	0.1
Leaving parking	1,275	0.3	0	0.0	220	0.3
Entering roadway	5,152	1.3	7	0.6	1,177	1.3
Leaving roadway	625	0.2	11	1.0	207	0.2
Making U-turn	725	0.2	5	0.4	226	0.3
Overtaking or passing	2,844	0.7	22	2.0	540	0.6
Avoiding object	505	0.1	3	0.3	121	0.1
Avoiding animal	856	0.2	1	0.1	197	0.2
Avoiding pedestrian	128	0.0	5	0.4	58	0.1
Avoiding vehicle (front/back)	3,258	0.8	23	2.1	909	1.0
Avoiding vehicle (angle)	1,531	0.4	7	0.6	436	0.5
Driverless moving	71	0.0	0	0.0	17	0.0
Parked	2,279	0.6	2	0.2	220	0.3
Crossing at intersection	140	0.0	0	0.0	119	0.1
Crossing not at intersection	100	0.0	1	0.1	88	0.1
Getting on/off vehicle	7	0.0	0	0.0	6	0.0
In roadway with traffic	36	0.0	1	0.1	30	0.0
In roadway against traffic	16	0.0	0	0.0	12	0.0
Standing/lying in roadway	25	0.0	0	0.0	23	0.0
Pushing/working on vehicle	15	0.0	0	0.0	13	0.0
Other working in roadway	16	0.0	0	0.0	14	0.0
Playing in roadway	1	0.0	0	0.0	0	0.0
In roadway other reason	33	0.0	0	0.0	29	0.0
Not in roadway	28	0.0	0	0.0	24	0.0
Other	326	0.1	0	0.0	107	0.1
Unknown	25,965	6.7	50	4.5	5,579	6.4
Total Drivers	386,227	100.0	1,113	100.0	87,616	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	1,299	0.3	1	0.1	367	0.4
Cross center/median	270	0.1	0	0.0	96	0.1
Ran off road left	390	0.1	0	0.0	88	0.1
Ran off road right	772	0.2	0	0.0	174	0.2
Re-enter road	49	0.0	1	0.1	11	0.0
Overturn	4,463	1.2	68	6.1	2,179	2.5
Separation of units	575	0.1	1	0.1	121	0.1
Fire/explosion	435	0.1	8	0.7	42	0.0
Immersion	29	0.0	2	0.2	4	0.0
Jackknife	219	0.1	0	0.0	28	0.0
Downhill runaway	31	0.0	0	0.0	12	0.0
Cargo loss/shift	491	0.1	0	0.0	43	0.0
Individual fell off	256	0.1	9	0.8	208	0.2
Other noncollision	1,166	0.3	0	0.0	192	0.2
NONCOLLISION Subtotal	10,445	2.7	90	8.1	3,565	4.1

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	1,293	0.3	87	7.8	1,059	1.2
Pedalcycle	1,117	0.3	13	1.2	859	1.0
Motor vehicle in transport	247,905	64.2	698	62.7	63,749	72.8
Parked motor vehicle	6,746	1.7	6	0.5	708	0.8
Railway train	66	0.0	6	0.5	24	0.0
Animal	43,801	11.3	2	0.2	884	1.0
Other nonfixed objects	4,389	1.1	3	0.3	353	0.4
COLLISION NONFIXED Subtotal	305,317	79.1	815	73.2	67,636	77.2

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	323	0.1	6	0.5	87	0.1
Bridge parapet end	107	0.0	0	0.0	16	0.0
Bridge rail	211	0.1	0	0.0	52	0.1
Guardrail face	1,490	0.4	3	0.3	302	0.3
Guardrail end	242	0.1	2	0.2	86	0.1
Median barrier	1,608	0.4	4	0.4	568	0.6
Highway traffic sign post	1,071	0.3	1	0.1	100	0.1
Signal post	147	0.0	0	0.0	14	0.0
Luminaire/light support	254	0.1	2	0.2	66	0.1
Utility pole	1,549	0.4	15	1.3	569	0.6
Other pole	496	0.1	2	0.2	110	0.1
Culvert	293	0.1	4	0.4	110	0.1
Curb	984	0.3	2	0.2	174	0.2
Ditch	3,584	0.9	10	0.9	991	1.1
Embankment	990	0.3	9	0.8	284	0.3
Fence	545	0.1	1	0.1	86	0.1
Mailbox	869	0.2	0	0.0	62	0.1
Tree	4,670	1.2	75	6.7	1,690	1.9
Rail crossing signal	45	0.0	0	0.0	4	0.0
Building	339	0.1	5	0.4	141	0.2
Traffic island	22	0.0	0	0.0	5	0.0
Fire hydrant	213	0.1	1	0.1	47	0.1
Impact attenuator	24	0.0	0	0.0	8	0.0
Other fixed object	1,861	0.5	5	0.4	392	0.4
COLLISION FIXED Subtotal	21,937	5.7	147	13.2	5,964	6.8

	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Unknown Event	48,528	12.6	61	5.5	10,451	11.9
TOTAL MOST HARMFUL EVENT	386,227	100.0	1,113	100.0	87,616	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	80,504	20.8	311	27.9	10,803	12.3
Head On	6,723	1.7	192	17.3	2,877	3.3
Head On - Left Turn	13,151	3.4	51	4.6	5,385	6.1
Angle	84,845	22.0	334	30.0	25,123	28.7
Rear End	124,047	32.1	118	10.6	32,469	37.1
Rear End - Left Turn	4,998	1.3	15	1.3	1,420	1.6
Rear End - Right Turn	4,140	1.1	1	0.1	729	0.8
Sideswipe - Same Direction	33,900	8.8	21	1.9	3,352	3.8
Sideswipe - Opposite Direct	10,450	2.7	19	1.7	1,483	1.7
Other	17,733	4.6	44	4.0	2,920	3.3
Unknown	5,736	1.5	7	0.6	1,055	1.2
Total Drivers	386,227	100.0	1,113	100.0	87,616	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	353,233	91.5	881	79.2	78,802	89.9
Median	1,675	0.4	15	1.3	553	0.6
Shoulder	8,785	2.3	72	6.5	2,141	2.4
Outside of Shoulder/Curb	13,624	3.5	116	10.4	4,187	4.8
Gore	451	0.1	5	0.4	140	0.2
Other/Unknown	8,459	2.2	24	2.2	1,793	2.0
Total Drivers	386,227	100.0	1,113	100.0	87,616	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	41,757	10.8	128	11.5	9,260	10.6
U.S. & Michigan Roads	76,896	19.9	301	27.0	17,874	20.4
County & City Roads	267,574	69.3	684	61.5	60,482	69.0
Total Drivers	386,227	100.0	1,113	100.0	87,616	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.	12,185	3.2	117	10.5	3,044	3.5
03:00 a.m. - 05:59 a.m.	11,005	2.8	60	5.4	1,871	2.1
06:00 a.m. - 08:59 a.m.	52,829	13.7	130	11.7	10,738	12.3
09:00 a.m. - 11:59 a.m.	44,620	11.6	99	8.9	10,613	12.1
12:00 noon - 02:59 p.m.	63,959	16.6	175	15.7	15,916	18.2
03:00 p.m. - 05:59 p.m.	93,490	24.2	211	19.0	22,797	26.0
06:00 p.m. - 08:59 p.m.	52,597	13.6	153	13.7	11,243	12.8
09:00 p.m. - 11:59 p.m.	27,123	7.0	141	12.7	5,669	6.5
Unknown	28,419	7.4	27	2.4	5,725	6.5
Total Drivers	386,227	100.0	1,113	100.0	87,616	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	216,386	56.0	509	45.7	45,448	51.9	356	0.6
Speed too fast	16,339	4.2	124	11.1	4,710	5.4	4,982	7.8
Speed too slow	417	0.1	0	0.0	112	0.1	142	0.2
Failed to yield	29,790	7.7	58	5.2	8,274	9.4	15,535	24.3
Disregard traffic control	6,975	1.8	55	4.9	3,051	3.5	3,973	6.2
Drove wrong way	237	0.1	5	0.4	87	0.1	87	0.1
Drove left of center	1,828	0.5	49	4.4	666	0.8	730	1.1
Improper passing	2,214	0.6	9	0.8	324	0.4	758	1.2
Improper lane use	6,951	1.8	6	0.5	834	1.0	2,722	4.3
Improper turn	3,958	1.0	7	0.6	726	0.8	1,497	2.3
Improper/no signal	461	0.1	0	0.0	87	0.1	121	0.2
Improper backing	7,335	1.9	2	0.2	280	0.3	1,876	2.9
Unable to stop in assured clear distance	47,432	12.3	37	3.3	11,763	13.4	22,527	35.2
Reckless driving	975	0.3	19	1.7	358	0.4	474	0.7
Careless\Negligent driving	5,474	1.4	40	3.6	1,907	2.2	2,938	4.6
Other	14,170	3.7	65	5.8	3,622	4.1	3,724	5.8
Unknown	25,285	6.5	128	11.5	5,367	6.1	1,584	2.5
Total Drivers	386,227	100.0	1,113	100.0	87,616	100.0	64,026	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	34,137	8.8	139	12.5	8,094	9.2
Monday	58,475	15.1	152	13.7	13,019	14.9
Tuesday	57,017	14.8	132	11.9	12,810	14.6
Wednesday	60,855	15.8	158	14.2	13,537	15.5
Thursday	60,114	15.6	142	12.8	13,329	15.2
Friday	70,264	18.2	212	19.0	16,012	18.3
Saturday	45,365	11.7	178	16.0	10,815	12.3
Total Drivers	386,227	100.0	1,113	100.0	87,616	100.0

DRIVER GENDER IN CRASH	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Male	215,947	55.9	767	68.9	46,773	53.4
Female	159,072	41.2	325	29.2	38,529	44.0
Unknown	11,208	2.9	21	1.9	2,314	2.6
Total Drivers	386,227	100.0	1,113	100.0	87,616	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	274,479	71.1	736	66.1	58,203	66.4
2 occupants	60,149	15.6	223	20.0	16,184	18.5
3 occupants	18,270	4.7	68	6.1	5,279	6.0
4 occupants	7,793	2.0	35	3.1	2,264	2.6
5 occupants	2,680	0.7	16	1.4	800	0.9
6 + occupants	2,113	0.5	8	0.7	589	0.7
0 occupants	2,028	0.5	0	0.0	198	0.2
Unknown	18,715	4.8	27	2.4	4,099	4.7
Total Drivers	386,227	100.0	1,113	100.0	87,616	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	245,659	63.6	602	54.1	57,338	65.4
Van and Motorhome	36,099	9.3	101	9.1	8,324	9.5
Pickup	65,968	17.1	201	18.1	12,453	14.2
Small Truck (under 10,000 lbs.)	11,488	3.0	17	1.5	2,380	2.7
Motorcycle	2,244	0.6	64	5.8	1,688	1.9
Moped	129	0.0	3	0.3	84	0.1
Go Cart	3	0.0	0	0.0	2	0.0
Snowmobile	345	0.1	4	0.4	168	0.2
Off Road Vehicle	104	0.0	4	0.4	79	0.1
Other	1,344	0.3	8	0.7	297	0.3
Unknown	10,753	2.8	21	1.9	2,595	3.0
CDL Truck/Bus (breakdown below)	12,091	3.1	88	7.9	2,208	2.5
Total Number of Drivers	386,227	100.0	1,113	100.0	87,616	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	4,625	38.3	52	59.1	856	38.8
Commercial Vehicle: Group B	3,119	25.8	23	26.1	590	26.7
Commercial Vehicle: Group C	452	3.7	1	1.1	89	4.0
Other Truck	655	5.4	3	3.4	117	5.3
Unknown Truck	3,240	26.8	9	10.2	556	25.2
Total Number of Drivers	12,091	100.0	88	100.0	2,208	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	20,984	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 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	20,524	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.

