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**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	81	0	15	64	180	3	177	1	0	1	5	1	2
1	3	0	0	3	232	4	228	0	0	0	10	0	8
2	5	0	2	3	236	2	234	1	0	1	22	0	20
3	7	0	0	7	279	1	278	2	0	2	28	2	25
4	16	0	3	13	329	3	325	11	0	9	27	0	24
5	24	0	4	20	348	4	344	27	1	20	48	3	40
6	35	0	7	27	321	5	316	34	1	23	49	1	45
7	35	0	8	27	329	3	326	51	0	41	44	0	42
8	29	0	7	22	342	1	341	46	1	37	69	1	59
9	25	0	6	19	391	3	388	67	0	58	64	0	53
10	33	0	6	26	414	3	411	90	1	70	62	0	57
11	40	1	16	21	418	3	415	97	1	88	73	2	61
12	66	2	25	37	402	7	395	149	1	125	99	2	91
13	166	1	51	110	469	3	466	161	0	125	98	1	86
14	347	1	65	270	616	5	609	154	1	132	98	3	87
15	1,160	5	184	954	1,003	6	995	115	3	91	86	2	75
16	16,110	18	2,052	13,906	1,110	7	1,091	74	0	64	53	1	45
17	20,212	22	2,599	17,407	1,082	11	1,053	44	1	35	57	1	52
18	21,646	23	2,876	18,531	997	11	967	68	2	61	57	2	53
19	19,130	18	2,470	16,447	782	14	747	52	0	40	59	4	50
20	17,913	19	2,303	15,377	678	6	658	44	0	34	61	5	51
21	16,846	22	2,219	14,442	640	8	611	43	0	34	55	2	50
22	15,796	21	2,073	13,526	560	6	538	42	1	34	65	2	59
23	14,987	25	2,003	12,757	470	4	445	27	2	22	52	3	42
24	13,856	21	1,714	11,948	430	7	414	19	0	14	30	1	27
25	12,898	8	1,644	11,069	395	7	375	22	0	20	38	0	37
26	12,276	11	1,538	10,586	318	1	303	18	0	16	36	0	31
27	11,373	13	1,427	9,794	300	1	288	16	0	14	22	0	21
28	11,321	17	1,366	9,804	303	2	289	19	0	14	36	1	29
29	11,101	15	1,390	9,541	280	0	269	17	0	15	35	1	34
30	11,378	9	1,408	9,810	285	6	271	12	0	10	36	1	29
31	11,769	12	1,465	10,129	252	2	239	12	0	9	31	3	26
32	12,538	13	1,514	10,844	251	5	237	9	0	7	39	2	34
33	12,206	14	1,507	10,523	256	3	238	25	0	20	32	1	27
34	11,468	8	1,390	9,939	244	3	226	21	0	15	26	2	21
35	11,232	12	1,387	9,676	231	0	211	14	0	10	35	4	28
36	11,355	6	1,327	9,869	229	1	214	18	0	13	29	1	28
37	11,539	15	1,377	9,982	226	2	211	16	0	11	38	2	31
38	11,695	10	1,346	10,187	219	0	206	25	0	23	37	4	30
39	12,043	11	1,436	10,441	247	3	231	32	1	23	34	4	28
40	12,054	16	1,406	10,489	221	4	203	27	0	22	37	3	32
41	12,001	20	1,367	10,453	243	3	228	36	0	32	25	2	19

\* 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	12,006	13	1,355	10,485	202	2	190	26	1	22	39	3	33
43	11,522	9	1,395	9,996	236	5	220	35	1	32	51	8	41
44	11,439	13	1,352	9,932	256	1	244	23	1	19	41	2	35
45	11,016	18	1,325	9,533	238	4	226	23	0	20	35	4	28
46	10,920	16	1,391	9,368	239	3	228	19	1	15	47	5	41
47	10,297	4	1,236	8,928	203	2	192	26	2	20	36	1	32
48	10,367	16	1,351	8,873	228	2	217	29	1	19	38	2	34
49	9,767	9	1,222	8,413	196	1	185	23	1	20	38	5	28
50	9,084	5	1,121	7,821	191	3	183	15	2	10	38	4	32
51	8,844	11	1,090	7,645	192	2	183	23	0	20	25	3	20
52	8,485	12	1,003	7,352	188	4	175	11	0	9	31	2	29
53	7,747	8	957	6,712	177	1	168	14	1	10	27	3	19
54	7,567	12	930	6,528	179	3	168	10	0	8	26	5	19
55	7,423	12	971	6,366	159	2	150	5	1	4	27	3	23
56	7,446	10	885	6,454	174	0	167	9	0	9	22	3	18
57	5,616	7	698	4,843	147	1	143	8	1	3	18	4	14
58	5,266	10	641	4,562	133	0	128	2	0	1	23	2	14
59	5,001	5	612	4,315	120	3	113	10	0	10	33	5	26
60	5,399	7	632	4,702	158	5	152	4	0	4	14	2	11
61	4,571	14	568	3,930	125	3	118	6	0	6	5	0	5
62	4,042	6	504	3,486	114	3	104	4	0	3	13	2	11
63	3,649	4	455	3,148	123	2	115	7	0	5	7	1	5
64	3,262	5	405	2,810	88	2	85	4	0	3	7	1	5
65	3,252	7	388	2,825	102	2	97	3	0	2	16	2	12
66	2,911	3	384	2,493	77	1	74	3	0	2	15	0	15
67	2,750	2	295	2,416	98	1	96	3	0	3	13	2	11
68	2,629	4	305	2,282	96	2	91	1	0	1	7	1	4
69	2,353	7	288	2,038	71	4	63	2	0	2	10	2	7
70	2,435	7	284	2,115	82	0	78	2	0	1	9	0	9
71	2,310	5	274	2,011	88	3	82	5	1	4	9	2	7
72	2,352	6	294	2,018	99	4	91	3	1	2	8	2	6
73	2,290	5	275	1,983	78	1	76	3	0	1	3	0	3
74	2,175	9	254	1,875	98	2	95	1	0	0	5	0	4
75	2,073	3	292	1,766	80	4	74	1	0	1	4	1	3
76	2,032	8	261	1,731	102	4	95	2	0	2	10	0	10
77	1,855	8	247	1,577	74	0	73	0	0	0	16	1	13
78	1,917	6	248	1,639	78	1	76	2	0	1	11	2	8
79	1,673	6	220	1,425	51	1	49	0	0	0	7	1	6
80	1,526	7	224	1,282	58	2	55	1	0	1	3	1	2
81	1,267	12	175	1,059	55	1	52	2	0	2	6	1	5
82	1,188	11	196	971	56	3	52	0	0	0	8	2	5
83	1,067	4	149	904	57	4	53	2	0	2	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	898	3	139	752	40	0	39	0	0	0	7	1	5
85	750	7	112	617	39	2	37	0	0	0	8	1	5
86	575	7	78	483	27	2	24	0	0	0	3	0	3
87	479	2	78	393	25	1	24	2	0	2	3	2	1
88	375	5	58	305	28	1	27	0	0	0	3	1	2
89	276	3	36	232	13	1	12	0	0	0	1	0	1
90	184	1	25	157	18	0	18	0	0	0	0	0	0
91	137	2	31	104	14	0	14	0	0	0	2	1	1
92	90	0	23	66	12	0	12	0	0	0	1	1	0
93	48	1	11	36	3	0	3	0	0	0	0	0	0
94	39	0	8	31	7	2	5	0	0	0	1	0	1
95	22	0	4	18	3	1	2	0	0	0	0	0	0
96	15	1	2	11	1	0	1	0	0	0	0	0	0
97	7	0	0	7	2	0	2	0	0	0	0	0	0
98	4	0	1	3	4	1	3	0	0	0	1	0	1
99	1	0	0	1	2	0	2	0	0	0	0	0	0
100	3	0	0	3	3	0	3	0	0	0	0	0	0
101	4	0	0	4	0	0	0	0	0	0	0	0	0
102	2	0	0	2	1	0	1	0	0	0	0	0	0
103	3	0	0	3	0	0	0	0	0	0	0	0	0
104	0	0	0	0	1	0	1	0	0	0	0	0	0
Unknown	51,578	11	1,396	15,845	629	1	619	144	0	53	181	1	113
Totals	635,096	798	74,157	518,785	23,996	279	23,136	2,276	32	1,789	2,953	169	2,478
	* Includes 41,356 drivers with unknown injury severity				* Includes 12 passengers with unknown injury severity and 569 with no injury			* Includes 99 bicyclists with unknown injury severity and 356 with no injury			* Includes 105 pedestrians with unknown injury severity and 201 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](http://www.michigantrafficcrashfacts.org).



## DRIVER AGE 16-24

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	84,947	54.3	340	79.6	20,718	56.9
Turning left	13,331	8.5	21	4.9	3,669	10.1
Turning right	4,333	2.8	1	0.2	662	1.8
Stopped on roadway	12,629	8.1	10	2.3	3,004	8.2
In prior crash	251	0.2	0	0.0	67	0.2
Changing lanes	4,190	2.7	5	1.2	589	1.6
Backing	3,049	1.9	0	0.0	147	0.4
Slowing/stopping on roadway	15,995	10.2	7	1.6	3,343	9.2
Slowing/stopping other	220	0.1	0	0.0	37	0.1
Starting up on roadway	3,316	2.1	2	0.5	811	2.2
Starting up other	99	0.1	0	0.0	21	0.1
Entering parking	141	0.1	0	0.0	13	0.0
Leaving parking	521	0.3	0	0.0	101	0.3
Entering roadway	2,864	1.8	2	0.5	702	1.9
Leaving roadway	363	0.2	5	1.2	111	0.3
Making U-turn	362	0.2	0	0.0	90	0.2
Overtaking or passing	1,532	1.0	14	3.3	349	1.0
Avoiding object	264	0.2	0	0.0	80	0.2
Avoiding animal	744	0.5	1	0.2	223	0.6
Avoiding pedestrian	43	0.0	3	0.7	16	0.0
Avoiding vehicle (front/back)	1,802	1.2	7	1.6	457	1.3
Avoiding vehicle (angle)	678	0.4	5	1.2	182	0.5
Driverless moving	28	0.0	0	0.0	6	0.0
Parked	330	0.2	0	0.0	37	0.1
Crossing at intersection	5	0.0	0	0.0	3	0.0
Crossing not at intersection	2	0.0	0	0.0	2	0.0
Getting on/off vehicle	0	0.0	0	0.0	0	0.0
In roadway with traffic	1	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	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	0	0.0	0	0.0	0	0.0
In roadway other reason	2	0.0	0	0.0	1	0.0
Not in roadway	2	0.0	0	0.0	0	0.0
Other	33	0.0	0	0.0	10	0.0
Unknown	4,418	2.8	4	0.9	972	2.7
<b>Total Drivers</b>	<b>156,496</b>	<b>100.0</b>	<b>427</b>	<b>100.0</b>	<b>36,423</b>	<b>100.0</b>

## DRIVER AGE 16-24 (continued)

Revised January 25, 2005

<b>MOST HARMFUL EVENT IN A NONCOLLISION</b>	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Loss of control	830	0.5	1	0.2	257	0.7
Cross center/median	128	0.1	0	0.0	33	0.1
Ran off road left	283	0.2	0	0.0	60	0.2
Ran off road right	397	0.3	0	0.0	73	0.2
Re-enter road	23	0.0	1	0.2	11	0.0
Overturn	3,162	2.0	28	6.6	1,611	4.4
Separation of units	173	0.1	0	0.0	35	0.1
Fire/explosion	188	0.1	1	0.2	32	0.1
Immersion	12	0.0	0	0.0	1	0.0
Jackknife	38	0.0	0	0.0	4	0.0
Downhill runaway	13	0.0	0	0.0	4	0.0
Cargo loss/shift	74	0.0	0	0.0	5	0.0
Individual fell off	114	0.1	3	0.7	93	0.3
Other noncollision	375	0.2	1	0.2	79	0.2
<b>NONCOLLISION Subtotal</b>	<b>5,810</b>	<b>3.7</b>	<b>35</b>	<b>8.2</b>	<b>2,298</b>	<b>6.3</b>

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).

<b>MOST HARMFUL EVENT IN A COLLISION WITH A NONFIXED OBJECT</b>	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Pedestrian	453	0.3	31	7.3	377	1.0
Pedalcycle (Bicyclist)	409	0.3	12	2.8	310	0.9
Motor vehicle in transport	106,382	68.0	246	57.6	25,855	71.0
Parked motor vehicle	2,854	1.8	7	1.6	333	0.9
Railway train	37	0.0	3	0.7	14	0.0
Animal	10,992	7.0	0	0.0	240	0.7
Other nonfixed objects	1,062	0.7	3	0.7	106	0.3
<b>COLLISION NONFIXED Subtotal</b>	<b>122,189</b>	<b>78.1</b>	<b>302</b>	<b>70.7</b>	<b>27,235</b>	<b>74.8</b>

## DRIVER AGE 16-24 (continued)

Revised January 25, 2005

<b>MOST HARMFUL EVENT IN A COLLISION WITH A FIXED OBJECT</b>	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Bridge/pier/abutment	159	0.1	2	0.5	40	0.1
Bridge parapet end	31	0.0	0	0.0	11	0.0
Bridge rail	169	0.1	0	0.0	39	0.1
Guardrail face	1,239	0.8	2	0.5	247	0.7
Guardrail end	200	0.1	3	0.7	64	0.2
Median barrier	1,127	0.7	1	0.2	304	0.8
Highway traffic sign post	943	0.6	2	0.5	59	0.2
Signal post	70	0.0	0	0.0	8	0.0
Luminaire/light support	164	0.1	0	0.0	39	0.1
Utility pole	1,280	0.8	5	1.2	429	1.2
Other pole	385	0.2	0	0.0	61	0.2
Culvert	274	0.2	3	0.7	92	0.3
Curb	672	0.4	0	0.0	58	0.2
Ditch	3,237	2.1	4	0.9	768	2.1
Embankment	631	0.4	3	0.7	194	0.5
Fence	488	0.3	1	0.2	50	0.1
Mailbox	772	0.5	0	0.0	59	0.2
Tree	4,915	3.1	54	12.6	1,739	4.8
Rail crossing signal	12	0.0	0	0.0	4	0.0
Building	232	0.1	3	0.7	79	0.2
Traffic island	18	0.0	0	0.0	2	0.0
Fire hydrant	200	0.1	0	0.0	31	0.1
Impact attenuator	18	0.0	0	0.0	9	0.0
Other fixed object	1,050	0.7	1	0.2	251	0.7
<b>COLLISION FIXED Subtotal</b>	<b>18,286</b>	<b>11.7</b>	<b>84</b>	<b>19.7</b>	<b>4,637</b>	<b>12.7</b>

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	10,211	6.5	6	1.4	2,253	6.2
<b>TOTAL MOST HARMFUL EVENT</b>	<b>156,496</b>	<b>100.0</b>	<b>427</b>	<b>100.0</b>	<b>36,423</b>	<b>100.0</b>

## DRIVER AGE 16-24 (continued)

Revised January 25, 2005

CRASH TYPE	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Single Vehicle	35,888	22.9	154	36.1	7,310	20.1
Head On	2,790	1.8	79	18.5	1,192	3.3
Head On - Left Turn	6,022	3.8	21	4.9	2,343	6.4
Angle	36,507	23.3	113	26.5	10,387	28.5
Rear End	49,212	31.4	22	5.2	11,373	31.2
Rear End - Left Turn	2,341	1.5	1	0.2	709	1.9
Rear End - Right Turn	1,465	0.9	0	0.0	215	0.6
Sideswipe - Same Direction	12,391	7.9	7	1.6	1,195	3.3
Sideswipe - Opposite Direct	3,493	2.2	9	2.1	532	1.5
Other	5,071	3.2	21	4.9	930	2.6
Unknown	1,316	0.8	0	0.0	237	0.7
<b>Total Drivers</b>	<b>156,496</b>	<b>100.0</b>	<b>427</b>	<b>100.0</b>	<b>36,423</b>	<b>100.0</b>

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	134,004	85.6	311	72.8	30,248	83.0
Median	1,012	0.6	5	1.2	303	0.8
Shoulder	5,690	3.6	24	5.6	1,391	3.8
Outside of Shoulder/Curb	12,577	8.0	81	19.0	3,608	9.9
Gore	374	0.2	1	0.2	115	0.3
Other/Unknown	2,839	1.8	5	1.2	758	2.1
<b>Total Drivers</b>	<b>156,496</b>	<b>100.0</b>	<b>427</b>	<b>100.0</b>	<b>36,423</b>	<b>100.0</b>

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	7,622	4.9	40	9.4	1,779	4.9
U.S. & Michigan Roads	33,387	21.3	118	27.6	7,676	21.1
County & City Roads	115,487	73.8	269	63.0	26,968	74.0
<b>Total Drivers</b>	<b>156,496</b>	<b>100.0</b>	<b>427</b>	<b>100.0</b>	<b>36,423</b>	<b>100.0</b>

## DRIVER AGE 16-24 (continued)

Revised January 25, 2005

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.	7,985	5.1	59	13.8	2,002	5.5
03:00 a.m. - 05:59 a.m.	3,940	2.5	27	6.3	1,020	2.8
06:00 a.m. - 08:59 a.m.	15,979	10.2	36	8.4	3,343	9.2
09:00 a.m. - 11:59 a.m.	15,243	9.7	33	7.7	3,554	9.8
12:00 noon - 02:59 p.m.	26,681	17.0	49	11.5	6,466	17.8
03:00 p.m. - 05:59 p.m.	39,468	25.2	83	19.4	9,446	25.9
06:00 p.m. - 08:59 p.m.	23,640	15.1	57	13.3	5,374	14.8
09:00 p.m. - 11:59 p.m.	15,835	10.1	70	16.4	3,528	9.7
Unknown	7,725	4.9	13	3.0	1,690	4.6
<b>Total Drivers</b>	<b>156,496</b>	<b>100.0</b>	<b>427</b>	<b>100.0</b>	<b>36,423</b>	<b>100.0</b>

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	63,056	40.3	131	30.7	12,735	35.0	150	0.3
Speed too fast	15,887	10.2	82	19.2	4,129	11.3	6,090	13.3
Speed too slow	245	0.2	1	0.2	67	0.2	114	0.2
Failed to yield	17,354	11.1	32	7.5	4,911	13.5	10,381	22.7
Disregard traffic control	3,727	2.4	28	6.6	1,515	4.2	2,438	5.3
Drove wrong way	85	0.1	0	0.0	30	0.1	41	0.1
Drove left of center	848	0.5	24	5.6	297	0.8	428	0.9
Improper passing	980	0.6	1	0.2	149	0.4	426	0.9
Improper lane use	2,957	1.9	4	0.9	376	1.0	1,476	3.2
Improper turn	1,651	1.1	2	0.5	316	0.9	828	1.8
Improper/no signal	168	0.1	0	0.0	25	0.1	46	0.1
Improper backing	2,215	1.4	0	0.0	58	0.2	778	1.7
Unable to stop in assured clear distance	28,792	18.4	9	2.1	6,571	18.0	15,839	34.7
Reckless driving	1,125	0.7	15	3.5	484	1.3	587	1.3
Careless/Negligent driving	5,118	3.3	33	7.7	1,878	5.2	3,124	6.8
Other	5,945	3.8	28	6.6	1,518	4.2	2,104	4.6
Unknown	6,343	4.1	37	8.7	1,364	3.7	788	1.7
<b>Total Drivers</b>	<b>156,496</b>	<b>100.0</b>	<b>427</b>	<b>100.0</b>	<b>36,423</b>	<b>100.0</b>	<b>45,638</b>	<b>100.0</b>

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)

Revised January 25, 2005

DAY OF WEEK IN CRASH	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Sunday	16,151	10.3	51	11.9	4,079	11.2
Monday	23,599	15.1	55	12.9	5,372	14.7
Tuesday	23,414	15.0	63	14.8	5,336	14.7
Wednesday	22,824	14.6	72	16.9	5,068	13.9
Thursday	23,023	14.7	46	10.8	5,363	14.7
Friday	27,055	17.3	66	15.5	6,191	17.0
Saturday	20,430	13.1	74	17.3	5,014	13.8
Total Drivers	156,496	100.0	427	100.0	36,423	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	85,407	54.6	282	66.0	19,119	52.5
Female	67,976	43.4	140	32.8	16,580	45.5
Unknown	3,113	2.0	5	1.2	724	2.0
Total Drivers	156,496	100.0	427	100.0	36,423	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	104,931	67.1	247	57.8	22,148	60.8
2 occupants	32,910	21.0	107	25.1	8,954	24.6
3 occupants	9,189	5.9	41	9.6	2,814	7.7
4 occupants	3,410	2.2	18	4.2	1,122	3.1
5 occupants	923	0.6	11	2.6	313	0.9
6 + occupants	318	0.2	2	0.5	119	0.3
0 occupants	397	0.3	0	0.0	60	0.2
Unknown	4,418	2.8	1	0.2	893	2.5
Total Drivers	156,496	100.0	427	100.0	36,423	100.0

## DRIVER AGE 16-24 (continued)

Revised January 25, 2005

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	124,267	79.4	319	74.7	29,130	80.0
Van and Motorhome	5,110	3.3	12	2.8	1,226	3.4
Pickup	20,347	13.0	59	13.8	4,241	11.6
Small Truck (under 10,000 lbs.)	3,192	2.0	10	2.3	696	1.9
Motorcycle	517	0.3	12	2.8	393	1.1
Moped	63	0.0	1	0.2	46	0.1
Go Cart	6	0.0	0	0.0	5	0.0
Snowmobile	65	0.0	4	0.9	44	0.1
Off Road Vehicle	89	0.1	2	0.5	76	0.2
Other	175	0.1	1	0.2	47	0.1
Unknown	1,890	1.2	1	0.2	376	1.0
CDL Truck/Bus (breakdown below)	775	0.5	6	1.4	143	0.4
<b>Total Number of Drivers</b>	<b>156,496</b>	<b>100.0</b>	<b>427</b>	<b>100.0</b>	<b>36,423</b>	<b>100.0</b>

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

CDL Truck/Bus Sub-category Types	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Commercial Vehicle: Group A	275	35.5	3	50.0	50	35.0
Commercial Vehicle: Group B	182	23.5	1	16.7	31	21.7
Commercial Vehicle: Group C	25	3.2	0	0.0	6	4.2
Other Truck	108	13.9	2	33.3	24	16.8
Unknown Truck	185	23.9	0	0.0	32	22.4
<b>Total Number of Drivers</b>	<b>775</b>	<b>100.0</b>	<b>6</b>	<b>100.0</b>	<b>143</b>	<b>100.0</b>

Group "A" is any vehicle that is towing a vehicle or trailer that has a gross vehicle weight rating (GVWR) over 10,000 lbs.

Group "B" is any single vehicle (including buses) with a GVWR of 26,001 lbs. or more. This would include a combination of vehicles with a combined GVWR over 26,000 lbs. when towing a trailer that has a GVWR of 10,000 lbs. or less.

Group "C" is any single vehicle with a GVWR of less than 26,001 lbs. or a combination of vehicles having a combined GVWR under 26,001 lbs. when the vehicle is required to display placards for hazardous material or designed to carry 16 passengers (including driver). Group "C" is also any vehicle carrying 15 or less people (including driver) transporting children to or from school and home on a regular basis for compensation.



## DRIVER AGE 25-64

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	204,839	53.8	897	79.2	43,847	52.8
Turning left	24,675	6.5	38	3.4	6,476	7.8
Turning right	9,868	2.6	2	0.2	1,529	1.8
Stopped on roadway	46,282	12.1	36	3.2	12,181	14.7
In prior crash	447	0.1	2	0.2	134	0.2
Changing lanes	8,004	2.1	22	1.9	1,085	1.3
Backing	9,250	2.4	7	0.6	419	0.5
Slowing/stopping on roadway	38,191	10.0	29	2.6	8,556	10.3
Slowing/stopping other	517	0.1	0	0.0	113	0.1
Starting up on roadway	7,602	2.0	13	1.1	1,752	2.1
Starting up other	188	0.0	0	0.0	36	0.0
Entering parking	481	0.1	0	0.0	60	0.1
Leaving parking	1,104	0.3	2	0.2	199	0.2
Entering roadway	4,978	1.3	10	0.9	1,116	1.3
Leaving roadway	590	0.2	8	0.7	196	0.2
Making U-turn	715	0.2	1	0.1	175	0.2
Overtaking or passing	2,838	0.7	12	1.1	589	0.7
Avoiding object	463	0.1	0	0.0	114	0.1
Avoiding animal	1,010	0.3	1	0.1	238	0.3
Avoiding pedestrian	88	0.0	0	0.0	42	0.1
Avoiding vehicle (front/back)	3,467	0.9	29	2.6	933	1.1
Avoiding vehicle (angle)	1,592	0.4	11	1.0	383	0.5
Driverless moving	63	0.0	0	0.0	16	0.0
Parked	1,491	0.4	2	0.2	161	0.2
Crossing at intersection	16	0.0	0	0.0	8	0.0
Crossing not at intersection	9	0.0	0	0.0	4	0.0
Getting on/off vehicle	3	0.0	0	0.0	1	0.0
In roadway with traffic	6	0.0	0	0.0	2	0.0
In roadway against traffic	3	0.0	0	0.0	0	0.0
Standing/lying in roadway	3	0.0	0	0.0	2	0.0
Pushing/working on vehicle	2	0.0	0	0.0	1	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	4	0.0	0	0.0	1	0.0
Not in roadway	5	0.0	0	0.0	2	0.0
Other	110	0.0	0	0.0	34	0.0
Unknown	12,079	3.2	11	1.0	2,615	3.1
<b>Total Drivers</b>	<b>380,983</b>	<b>100.0</b>	<b>1,133</b>	<b>100.0</b>	<b>83,020</b>	<b>100.0</b>

## DRIVER AGE 25-64 (continued)

Revised January 25, 2005

<b>MOST HARMFUL EVENT IN A NONCOLLISION</b>	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Loss of control	1,350	0.4	0	0.0	362	0.4
Cross center/median	256	0.1	1	0.1	68	0.1
Ran off road left	369	0.1	2	0.2	76	0.1
Ran off road right	718	0.2	2	0.2	164	0.2
Re-enter road	41	0.0	1	0.1	14	0.0
Overturn	4,312	1.1	55	4.9	2,185	2.6
Separation of units	493	0.1	2	0.2	117	0.1
Fire/explosion	411	0.1	9	0.8	52	0.1
Immersion	30	0.0	1	0.1	4	0.0
Jackknife	212	0.1	0	0.0	21	0.0
Downhill runaway	37	0.0	0	0.0	6	0.0
Cargo loss/shift	533	0.1	0	0.0	46	0.1
Individual fell off	305	0.1	19	1.7	247	0.3
Other noncollision	1,048	0.3	1	0.1	210	0.3
<b>NONCOLLISION Subtotal</b>	<b>10,115</b>	<b>2.7</b>	<b>93</b>	<b>8.2</b>	<b>3,572</b>	<b>4.3</b>

<b>MOST HARMFUL EVENT IN A COLLISION WITH A NONFIXED OBJECT</b>	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Pedestrian	1,193	0.3	96	8.5	969	1.2
Pedalcycle (Bicyclist)	1,160	0.3	16	1.4	914	1.1
Motor vehicle in transport	256,910	67.4	727	64.2	63,235	76.2
Parked motor vehicle	6,417	1.7	12	1.1	640	0.8
Railway train	76	0.0	3	0.3	30	0.0
Animal	47,601	12.5	9	0.8	908	1.1
Other nonfixed objects	4,222	1.1	8	0.7	332	0.4
<b>COLLISION NONFIXED Subtotal</b>	<b>317,579</b>	<b>83.4</b>	<b>871</b>	<b>76.9</b>	<b>67,028</b>	<b>80.7</b>

## DRIVER AGE 25-64 (continued)

Revised January 25, 2005

<b>MOST HARMFUL EVENT IN A COLLISION WITH A FIXED OBJECT</b>	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Bridge/pier/abutment	359	0.1	5	0.4	88	0.1
Bridge parapet end	81	0.0	1	0.1	16	0.0
Bridge rail	306	0.1	0	0.0	74	0.1
Guardrail face	2,112	0.6	6	0.5	437	0.5
Guardrail end	329	0.1	2	0.2	99	0.1
Median barrier	1,966	0.5	4	0.4	635	0.8
Highway traffic sign post	1,438	0.4	2	0.2	103	0.1
Signal post	172	0.0	0	0.0	17	0.0
Luminaire/light support	342	0.1	5	0.4	90	0.1
Utility pole	1,879	0.5	17	1.5	663	0.8
Other pole	615	0.2	1	0.1	108	0.1
Culvert	343	0.1	4	0.4	128	0.2
Curb	1,025	0.3	0	0.0	164	0.2
Ditch	4,253	1.1	12	1.1	1,080	1.3
Embankment	944	0.2	6	0.5	286	0.3
Fence	643	0.2	3	0.3	104	0.1
Mailbox	1,014	0.3	0	0.0	72	0.1
Tree	6,477	1.7	71	6.3	2,119	2.6
Rail crossing signal	59	0.0	0	0.0	6	0.0
Building	415	0.1	5	0.4	164	0.2
Traffic island	24	0.0	0	0.0	4	0.0
Fire hydrant	295	0.1	0	0.0	55	0.1
Impact attenuator	25	0.0	0	0.0	11	0.0
Other fixed object	1,959	0.5	15	1.3	418	0.5
<b>COLLISION FIXED Subtotal</b>	<b>27,075</b>	<b>7.1</b>	<b>159</b>	<b>14.0</b>	<b>6,941</b>	<b>8.4</b>

	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Unknown Event	26,214	6.9	10	0.9	5,479	6.6
<b>TOTAL MOST HARMFUL EVENT</b>	<b>380,983</b>	<b>100.0</b>	<b>1,133</b>	<b>100.0</b>	<b>83,020</b>	<b>100.0</b>

## DRIVER AGE 25-64 (continued)

Revised January 25, 2005

CRASH TYPE	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Single Vehicle	86,947	22.8	305	26.9	11,542	13.9
Head On	6,545	1.7	251	22.2	2,813	3.4
Head On - Left Turn	12,265	3.2	52	4.6	4,892	5.9
Angle	81,189	21.3	298	26.3	23,342	28.1
Rear End	122,180	32.1	93	8.2	30,450	36.7
Rear End - Left Turn	4,613	1.2	3	0.3	1,360	1.6
Rear End - Right Turn	4,036	1.1	0	0.0	671	0.8
Sideswipe - Same Direction	33,991	8.9	19	1.7	3,376	4.1
Sideswipe - Opposite Direct	9,734	2.6	37	3.3	1,458	1.8
Other	16,001	4.2	74	6.5	2,502	3.0
Unknown	3,482	0.9	1	0.1	614	0.7
<b>Total Drivers</b>	<b>380,983</b>	<b>100.0</b>	<b>1,133</b>	<b>100.0</b>	<b>83,020</b>	<b>100.0</b>

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	346,272	90.9	926	81.7	73,754	88.8
Median	1,768	0.5	11	1.0	518	0.6
Shoulder	9,383	2.5	54	4.8	2,240	2.7
Outside of Shoulder/Curb	16,859	4.4	116	10.2	4,904	5.9
Gore	530	0.1	7	0.6	131	0.2
Other/Unknown	6,171	1.6	19	1.7	1,473	1.8
<b>Total Drivers</b>	<b>380,983</b>	<b>100.0</b>	<b>1,133</b>	<b>100.0</b>	<b>83,020</b>	<b>100.0</b>

ROADWAY TYPE IN CRASH	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Interstate Routes	22,018	5.8	139	12.3	5,300	6.4
U.S. & Michigan Roads	86,018	22.6	377	33.3	18,688	22.5
County & City Roads	272,947	71.6	617	54.5	59,032	71.1
<b>Total Drivers</b>	<b>380,983</b>	<b>100.0</b>	<b>1,133</b>	<b>100.0</b>	<b>83,020</b>	<b>100.0</b>

## DRIVER AGE 25-64 (continued)

Revised January 25, 2005

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.	12,115	3.2	116	10.2	2,974	3.6
03:00 a.m. - 05:59 a.m.	12,266	3.2	77	6.8	1,929	2.3
06:00 a.m. - 08:59 a.m.	54,025	14.2	138	12.2	10,306	12.4
09:00 a.m. - 11:59 a.m.	46,643	12.2	83	7.3	10,638	12.8
12:00 noon - 02:59 p.m.	64,558	16.9	151	13.3	15,650	18.9
03:00 p.m. - 05:59 p.m.	91,759	24.1	212	18.7	21,556	26.0
06:00 p.m. - 08:59 p.m.	52,968	13.9	199	17.6	10,656	12.8
09:00 p.m. - 11:59 p.m.	27,316	7.2	126	11.1	5,368	6.5
Unknown	19,333	5.1	31	2.7	3,943	4.7
<b>Total Drivers</b>	<b>380,983</b>	<b>100.0</b>	<b>1,133</b>	<b>100.0</b>	<b>83,020</b>	<b>100.0</b>

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	217,606	57.1	566	50.0	43,594	52.5	324	0.5
Speed too fast	20,490	5.4	132	11.7	5,491	6.6	5,831	9.0
Speed too slow	371	0.1	0	0.0	92	0.1	119	0.2
Failed to yield	28,310	7.4	61	5.4	7,745	9.3	15,119	23.3
Disregard traffic control	6,574	1.7	35	3.1	2,822	3.4	3,919	6.0
Drove wrong way	246	0.1	5	0.4	79	0.1	83	0.1
Drove left of center	1,600	0.4	56	4.9	533	0.6	609	0.9
Improper passing	1,995	0.5	2	0.2	280	0.3	768	1.2
Improper lane use	6,778	1.8	12	1.1	822	1.0	2,773	4.3
Improper turn	3,588	0.9	4	0.4	569	0.7	1,406	2.2
Improper/no signal	389	0.1	0	0.0	52	0.1	101	0.2
Improper backing	6,862	1.8	2	0.2	188	0.2	1,908	2.9
Unable to stop in assured clear distance	47,471	12.5	25	2.2	10,991	13.2	22,923	35.3
Reckless driving	1,283	0.3	26	2.3	555	0.7	612	0.9
Careless\Negligent driving	6,519	1.7	52	4.6	2,329	2.8	3,531	5.4
Other	13,327	3.5	62	5.5	3,138	3.8	3,740	5.8
Unknown	17,574	4.6	93	8.2	3,740	4.5	1,182	1.8
<b>Total Drivers</b>	<b>380,983</b>	<b>100.0</b>	<b>1,133</b>	<b>100.0</b>	<b>83,020</b>	<b>100.0</b>	<b>64,948</b>	<b>100.0</b>

## DRIVER AGE 25-64 (continued)

Revised January 25, 2005

DAY OF WEEK IN CRASH	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Sunday	33,516	8.8	139	12.3	7,788	9.4
Monday	60,261	15.8	165	14.6	12,807	15.4
Tuesday	58,755	15.4	136	12.0	12,862	15.5
Wednesday	59,606	15.6	160	14.1	12,694	15.3
Thursday	58,668	15.4	146	12.9	12,383	14.9
Friday	65,571	17.2	209	18.4	14,248	17.2
Saturday	44,606	11.7	178	15.7	10,238	12.3
Total Drivers	380,983	100.0	1,133	100.0	83,020	100.0

DRIVER GENDER IN CRASH	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Male	212,978	55.9	802	70.8	44,195	53.2
Female	159,808	41.9	323	28.5	37,039	44.6
Unknown	8,197	2.2	8	0.7	1,786	2.2
Total Drivers	380,983	100.0	1,133	100.0	83,020	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	278,988	73.2	782	69.0	56,454	68.0
2 occupants	58,960	15.5	218	19.2	15,611	18.8
3 occupants	17,449	4.6	65	5.7	4,865	5.9
4 occupants	7,617	2.0	37	3.3	2,156	2.6
5 occupants	2,643	0.7	16	1.4	827	1.0
6 + occupants	2,026	0.5	7	0.6	567	0.7
0 occupants	1,549	0.4	0	0.0	183	0.2
Unknown	11,751	3.1	8	0.7	2,357	2.8
Total Drivers	380,983	100.0	1,133	100.0	83,020	100.0

## DRIVER AGE 25-64 (continued)

Revised January 25, 2005

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	246,607	64.7	602	53.1	55,004	66.3
Van and Motorhome	34,436	9.0	97	8.6	7,550	9.1
Pickup	65,274	17.1	237	20.9	11,949	14.4
Small Truck (under 10,000 lbs.)	12,449	3.3	20	1.8	2,559	3.1
Motorcycle	2,451	0.6	67	5.9	1,833	2.2
Moped	143	0.0	2	0.2	87	0.1
Go Cart	7	0.0	0	0.0	2	0.0
Snowmobile	260	0.1	5	0.4	174	0.2
Off Road Vehicle	114	0.0	8	0.7	96	0.1
Other	1,163	0.3	6	0.5	216	0.3
Unknown	5,448	1.4	4	0.4	1,184	1.4
CDL Truck/Bus (breakdown below)	12,631	3.3	85	7.5	2,366	2.8
<b>Total Number of Drivers</b>	<b>380,983</b>	<b>100.0</b>	<b>1,133</b>	<b>100.0</b>	<b>83,020</b>	<b>100.0</b>

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

CDL Truck/Bus Sub-category Types	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Commercial Vehicle: Group A	5,633	44.6	56	65.9	1,069	45.2
Commercial Vehicle: Group B	2,992	23.7	17	20.0	578	24.4
Commercial Vehicle: Group C	438	3.5	1	1.2	100	4.2
Other Truck	697	5.5	4	4.7	143	6.0
Unknown Truck	2,871	22.7	7	8.2	476	20.1
<b>Total Number of Drivers</b>	<b>12,631</b>	<b>100.0</b>	<b>85</b>	<b>100.0</b>	<b>2,366</b>	<b>100.0</b>

Group "A" is any vehicle that is towing a vehicle or trailer that has a gross vehicle weight rating (GVWR) over 10,000 lbs.

Group "B" is any single vehicle (including buses) with a GVWR of 26,001 lbs. or more. This would include a combination of vehicles with a combined GVWR over 26,000 lbs. when towing a trailer that has a GVWR of 10,000 lbs. or less.

Group "C" is any single vehicle with a GVWR of less than 26,001 lbs. or a combination of vehicles having a combined GVWR under 26,001 lbs. when the vehicle is required to display placards for hazardous material or designed to carry 16 passengers (including driver). Group "C" is also any vehicle carrying 15 or less people (including driver) transporting children to or from school and home on a regular basis for compensation.



## 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
<b>Total Drivers</b>	<b>43,964</b>	<b>100.0</b>	<b>229</b>	<b>100.0</b>	<b>10,103</b>	<b>100.0</b>

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.

## DRIVER AGE 65 & OVER (continued)

Revised January 25, 2005

<b>MOST HARMFUL EVENT IN A NONCOLLISION</b>	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Loss of control	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
<b>NONCOLLISION Subtotal</b>	<b>792</b>	<b>1.8</b>	<b>10</b>	<b>4.4</b>	<b>262</b>	<b>2.6</b>

<b>MOST HARMFUL EVENT IN A COLLISION WITH A NONFIXED OBJECT</b>	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Pedestrian	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
<b>COLLISION NONFIXED Subtotal</b>	<b>37,931</b>	<b>86.3</b>	<b>186</b>	<b>81.2</b>	<b>8,559</b>	<b>84.7</b>

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)

Revised January 25, 2005

<b>MOST HARMFUL EVENT IN A COLLISION WITH A FIXED OBJECT</b>	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Total	Number	% of Total
Bridge/pier/abutment	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
<b>COLLISION FIXED Subtotal</b>	<b>2,211</b>	<b>5.0</b>	<b>28</b>	<b>12.2</b>	<b>655</b>	<b>6.5</b>

	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
<b>TOTAL MOST HARMFUL EVENT</b>	<b>43,964</b>	<b>100.0</b>	<b>229</b>	<b>100.0</b>	<b>10,103</b>	<b>100.0</b>

## DRIVER AGE 65 & OVER (continued)

Revised January 25, 2005

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
<b>Total Drivers</b>	<b>43,964</b>	<b>100.0</b>	<b>229</b>	<b>100.0</b>	<b>10,103</b>	<b>100.0</b>

Elderly drivers have the highest incidence of angle type crashes when compared to the other two age groups (16-24 and 25-64) in all crashes, 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
<b>Total Drivers</b>	<b>43,964</b>	<b>100.0</b>	<b>229</b>	<b>100.0</b>	<b>10,103</b>	<b>100.0</b>

ROADWAY TYPE IN CRASH	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Interstate Routes	1,543	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
<b>Total Drivers</b>	<b>43,964</b>	<b>100.0</b>	<b>229</b>	<b>100.0</b>	<b>10,103</b>	<b>100.0</b>

## DRIVER AGE 65 & OVER (continued)

Revised January 25, 2005

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
<b>Total Drivers</b>	<b>43,964</b>	<b>100.0</b>	<b>229</b>	<b>100.0</b>	<b>10,103</b>	<b>100.0</b>

9:00 AM to 2:59 PM shows the highest involvement for elderly drivers in all crashes when compared to the other two age groups.

HAZARDOUS ACTION	All Crashes		Fatal Crashes		Injury Crashes		Hazardous Citation Issued	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury	Number	% of Issued
None	20,843	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
<b>Total Drivers</b>	<b>43,964</b>	<b>100.0</b>	<b>229</b>	<b>100.0</b>	<b>10,103</b>	<b>100.0</b>	<b>8,789</b>	<b>100.0</b>

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

## DRIVER AGE 65 & OVER (continued)

Revised January 25, 2005

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

## DRIVER AGE 65 & OVER (continued)

Revised January 25, 2005

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
<b>Total Number of Drivers</b>	<b>43,964</b>	<b>100.0</b>	<b>229</b>	<b>100.0</b>	<b>10,103</b>	<b>100.0</b>

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

CDL Truck/Bus Sub-category Types	All Crashes		Fatal Crashes		Injury Crashes	
	Number of Drivers	% of Total	Number	% of Fatal	Number	% of Injury
Commercial Vehicle: Group A	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
<b>Total Number of Drivers</b>	<b>362</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>75</b>	<b>100.0</b>

Group "A" is any vehicle that is towing a vehicle or trailer that has a gross vehicle weight rating (GVWR) over 10,000 lbs.

Group "B" is any single vehicle (including buses) with a GVWR of 26,001 lbs. or more. This would include a combination of vehicles with a combined GVWR over 26,000 lbs. when towing a trailer that has a GVWR of 10,000 lbs. or less.

Group "C" is any single vehicle with a GVWR of less than 26,001 lbs. or a combination of vehicles having a combined GVWR under 26,001 lbs. when the vehicle is required to display placards for hazardous material or designed to carry 16 passengers (including driver). Group "C" is also any vehicle carrying 15 or less people (including driver) transporting children to or from school and home on a regular basis for compensation.

