

AGE AND INJURY SEVERITY BY PERSON TYPE

AGE	DRIVER			INJURED PASSENGER			MOTORCYCLIST			BICYCLIST			PEDESTRIAN		
	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured
0*	43	0	1	198	2	196	0	0	0	190	0	131	168	0	135
1	17	0	1	174	0	172	0	0	0	1	0	1	7	0	4
2	1	0	0	170	0	170	0	0	0	0	0	0	7	0	5
3	1	0	0	170	0	169	0	0	0	2	0	1	18	1	13
4	4	0	0	241	1	240	0	0	0	2	0	2	11	0	9
5	2	0	2	218	1	217	0	0	0	5	0	5	22	1	20
6	0	0	0	276	1	275	0	0	0	9	0	9	14	0	12
7	3	0	2	264	0	263	1	0	1	10	0	7	21	0	20
8	2	0	1	258	0	255	1	0	1	10	0	9	21	1	18
9	1	0	1	292	0	292	1	0	1	18	0	12	22	1	19
10	4	0	4	284	1	283	2	0	1	20	0	17	12	1	7
11	2	0	0	274	3	271	2	0	2	26	0	21	12	0	9
12	11	0	6	300	2	298	0	0	0	42	1	33	27	0	26
13	36	0	18	309	1	308	3	0	3	42	0	38	18	0	17
14	118	1	29	400	3	395	7	0	5	82	0	65	42	0	32
15	534	1	81	489	2	487	6	0	6	50	0	42	41	2	37
16	6,868	3	676	559	4	555	8	0	5	54	0	47	64	1	52
17	9,956	7	958	553	7	544	18	0	12	61	1	51	73	1	64
18	12,306	13	1,314	583	11	572	36	1	29	50	0	42	67	3	53
19	13,024	12	1,458	546	7	536	60	1	45	60	0	50	74	0	63
20	12,781	11	1,362	482	8	471	61	2	42	56	0	49	59	2	49
21	12,969	17	1,423	491	6	482	67	5	49	47	0	36	62	4	48
22	13,015	17	1,480	469	6	461	88	2	61	32	0	28	56	2	47
23	12,770	16	1,442	441	6	434	98	3	70	45	0	39	57	4	47
24	12,076	16	1,384	395	5	389	98	6	61	30	1	20	47	1	38
25	11,144	14	1,221	323	4	316	78	2	60	23	1	19	43	2	39
26	10,396	13	1,151	314	2	311	74	3	56	30	0	21	43	3	37
27	9,729	11	1,034	261	0	261	64	2	46	26	0	23	34	5	27
28	9,333	9	1,055	231	0	231	67	3	53	25	0	20	33	4	26
29	8,912	7	920	231	2	229	50	0	34	23	0	18	31	1	27
30	8,425	9	882	213	4	206	60	3	45	23	0	18	25	1	23
31	8,630	11	924	222	4	216	61	4	45	15	0	11	25	3	19
32	8,422	6	928	177	1	176	45	1	38	10	1	6	41	1	34
33	8,240	10	903	185	5	180	38	2	31	14	0	13	31	1	20
34	8,159	5	910	181	6	174	50	1	40	13	0	10	28	1	27
35	7,997	5	890	171	1	169	44	1	34	14	1	11	34	1	32
36	7,620	8	817	170	4	165	35	1	25	15	0	13	30	8	17
37	7,480	6	747	167	0	167	40	1	30	11	0	8	34	1	31

*Driver age is calculated from birth date, and invalid date of birth entry errors result in age "0" drivers.

AGE AND INJURY SEVERITY BY PERSON TYPE (CONTINUED)

AGE	DRIVER			INJURED PASSENGER			MOTORCYCLIST			BICYCLIST			PEDESTRIAN		
	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured
38	7,158	2	680	155	1	154	36	0	31	9	0	9	16	0	14
39	7,370	8	731	124	0	123	53	1	41	15	0	11	22	2	19
40	7,286	4	774	149	3	146	44	1	36	9	0	8	24	2	19
41	7,708	9	778	169	2	165	52	2	41	15	1	13	23	3	19
42	7,813	11	873	165	0	165	51	2	36	6	0	5	25	2	19
43	8,645	5	887	177	1	174	70	1	51	14	0	12	36	1	33
44	8,326	7	900	173	2	171	73	2	52	15	0	13	31	3	24
45	8,168	9	814	189	2	187	52	1	38	19	1	14	26	0	26
46	7,803	8	852	184	1	183	59	3	47	18	0	15	22	2	16
47	7,809	4	805	157	1	156	60	1	49	15	0	12	28	2	23
48	7,751	7	859	172	0	171	64	2	43	15	0	13	27	1	25
49	7,989	13	862	161	0	161	63	3	45	22	0	21	28	0	24
50	8,258	8	818	156	1	154	95	1	61	18	0	14	36	7	27
51	8,005	6	839	184	1	183	77	2	64	26	1	24	23	1	21
52	8,056	8	875	178	2	175	61	3	40	29	1	24	29	5	23
53	8,017	18	859	169	0	169	95	3	73	22	1	19	21	3	16
54	7,714	11	839	164	0	163	61	1	51	29	1	24	37	6	29
55	7,464	5	804	164	2	162	60	3	40	21	1	15	42	8	31
56	7,536	8	850	156	0	155	80	3	50	16	0	13	34	5	27
57	7,287	8	793	149	0	148	78	1	53	20	0	15	30	1	28
58	6,901	9	741	168	0	167	74	3	55	22	0	18	32	5	23
59	6,601	7	734	155	1	153	70	2	55	17	2	13	34	3	29
60	5,999	6	714	142	2	140	52	2	39	17	0	14	35	4	30
61	5,774	3	576	134	2	132	59	1	39	17	0	15	22	2	19
62	5,432	9	612	138	0	138	57	3	38	13	2	9	18	4	14
63	4,914	4	561	118	1	116	46	2	32	9	0	5	23	3	16
64	4,678	5	505	130	2	128	50	1	36	13	1	8	14	0	14
65	4,468	10	494	115	1	114	37	3	26	8	0	7	5	0	5
66	4,238	5	462	116	1	115	30	1	21	5	0	5	14	1	13
67	4,119	5	444	114	0	114	32	1	17	7	0	5	15	0	12
68	3,122	7	346	103	0	103	11	0	6	6	1	4	12	0	11
69	2,876	7	307	92	0	92	18	2	11	1	0	1	9	0	8
70	2,851	5	342	87	2	85	19	1	13	1	0	1	7	0	6
71	2,821	3	324	88	3	85	19	2	11	4	1	3	11	2	7
72	2,478	7	283	66	1	64	9	1	4	1	0	1	9	0	8
73	2,132	7	261	86	2	84	11	1	8	4	0	4	8	1	7
74	1,953	4	235	83	0	83	5	0	5	1	0	1	8	0	6
75	1,801	1	200	74	2	72	3	0	3	2	0	2	6	0	6
76	1,704	4	225	61	2	59	2	0	2	5	1	4	7	1	5

AGE AND INJURY SEVERITY BY PERSON TYPE (CONTINUED)

AGE	DRIVER			INJURED PASSENGER			MOTORCYCLIST			BICYCLIST			PEDESTRIAN		
	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured	Total	Killed	Injured
77	1,437	4	165	65	0	65	3	0	2	0	0	0	4	1	3
78	1,436	4	161	53	2	51	4	1	3	0	0	0	6	1	5
79	1,315	2	165	52	2	50	2	0	1	3	0	2	4	2	2
80	1,153	4	144	38	1	37	2	0	2	1	0	1	3	0	3
81	1,026	2	129	41	3	38	0	0	0	0	0	0	1	1	0
82	1,066	4	130	51	1	50	1	0	0	0	0	0	3	0	3
83	916	4	110	33	1	32	0	0	0	1	0	1	1	0	1
84	832	4	97	31	1	30	0	0	0	2	0	2	2	1	1
85	729	4	111	39	1	38	0	0	0	0	0	0	3	0	3
86	643	3	92	42	0	42	0	0	0	0	0	0	1	1	0
87	574	0	63	34	2	32	0	0	0	0	0	0	1	0	1
88	423	2	64	24	1	23	0	0	0	0	0	0	0	0	0
89	369	1	53	12	0	12	0	0	0	1	0	1	4	1	3
90	284	2	39	8	0	8	0	0	0	0	0	0	2	1	1
91	212	2	23	12	1	11	0	0	0	1	0	1	0	0	0
92	117	2	15	8	0	8	0	0	0	0	0	0	3	2	1
93	96	0	17	8	0	8	0	0	0	0	0	0	2	0	2
94	64	1	9	4	0	4	0	0	0	0	0	0	0	0	0
95	50	0	6	8	0	8	0	0	0	0	0	0	1	0	1
96	29	0	7	5	0	5	0	0	0	0	0	0	0	0	0
97	12	0	3	1	0	1	0	0	0	0	0	0	0	0	0
98	5	0	1	2	0	2	0	0	0	0	0	0	0	0	0
99	2	0	0	5	0	5	0	0	0	0	0	0	0	0	0
100	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	2	0	0	2	0	2	0	0	0	0	0	0	0	0	0
103	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0
104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Age	45,237	0	116	44	0	24	95	0	7	62	0	10	62	0	27
2014 TOTALS	510,086*	540	50,603	17,673*	167	17,435	3,258*	107	2,309	1,763*	21	1,378	2,406*	148	1,962
	*Includes 41,159 drivers with unknown injury severity and 417,784 with no injury			*Includes 71 passengers with unknown injury severity			*Includes 63 motorcyclists with unknown injury severity and 779 with no injury			*Includes 61 bicyclists with unknown injury severity and 303 with no injury			*Includes 72 pedestrians with unknown injury severity and 224 with no injury		

DRIVER AGE 16-20

DRIVER ACTION PRIOR TO CRASH	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Going straight ahead	31,358	57.1	95	82.6	6,793	61.2
Turning left	4,826	8.8	4	3.5	1,236	11.1
Turning right	1,796	3.3	1	0.9	207	1.9
Stopped on roadway	3,589	6.5	1	0.9	717	6.5
In prior crash	64	0.1	0	0.0	13	0.1
Changing lanes	1,748	3.2	2	1.7	193	1.7
Backing	1,119	2.0	0	0.0	42	0.4
Slowing/stopping on roadway	6,067	11.0	3	2.6	978	8.8
Slowing/stopping other	81	0.1	0	0.0	10	0.1
Starting up on roadway	1,243	2.3	1	0.9	274	2.5
Starting up other	23	0.0	0	0.0	6	0.1
Entering parking	28	0.1	0	0.0	1	0.0
Leaving parking	176	0.3	0	0.0	33	0.3
Entering roadway	883	1.6	3	2.6	181	1.6
Leaving roadway	97	0.2	0	0.0	29	0.3
Making U-turn	94	0.2	1	0.9	23	0.2
Overtaking or passing	380	0.7	1	0.9	85	0.8
Avoiding object	83	0.2	0	0.0	21	0.2
Avoiding animal	154	0.3	0	0.0	48	0.4
Avoiding pedestrian	9	0.0	0	0.0	3	0.0
Avoiding vehicle (front/back)	550	1.0	0	0.0	109	1.0
Avoiding vehicle (angle)	204	0.4	0	0.0	40	0.4
Driverless moving	6	0.0	0	0.0	1	0.0
Parked	105	0.2	2	1.7	11	0.1
Crossing at intersection	1	0.0	0	0.0	0	0.0
Crossing not at intersection	1	0.0	0	0.0	0	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	2	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	2	0.0	0	0.0	0	0.0
Playing in roadway	0	0.0	0	0.0	0	0.0
In roadway other reason	1	0.0	0	0.0	0	0.0
Not in roadway	0	0.0	0	0.0	0	0.0
Other	54	0.1	0	0.0	14	0.1
Unknown	190	0.3	1	0.9	27	0.2
TOTAL DRIVERS	54,935	100.0	115	100.0	11,095	100.0

DRIVER AGE 16-20 (CONTINUED)

MOST HARMFUL EVENT IN A NONCOLLISION	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Loss of control	299	0.5	0	0.0	73	0.7
Cross center/median	47	0.1	0	0.0	12	0.1
Ran off road left	132	0.2	0	0.0	32	0.3
Ran off road right	208	0.4	0	0.0	31	0.3
Re-enter road	6	0.0	0	0.0	3	0.0
Overturn	1,659	3.0	13	11.3	636	5.7
Separation of units	13	0.0	0	0.0	1	0.0
Fire/explosion	45	0.1	2	1.7	9	0.1
Immersion	10	0.0	0	0.0	1	0.0
Jackknife	5	0.0	0	0.0	1	0.0
Downhill runaway	3	0.0	0	0.0	1	0.0
Cargo loss/shift	16	0.0	0	0.0	1	0.0
Individual fell off	40	0.1	3	2.6	34	0.3
Other noncollision	120	0.2	0	0.0	24	0.2
SUBTOTAL	2,603	4.7	18	15.7	859	7.7

For drivers age 16-20, an overturn is the most harmful event in a noncollision with the highest proportion of all crashes (3.0%), fatal crashes (11.3%), and injury crashes (5.7%).

MOST HARMFUL EVENT IN A COLLISION WITH A NONFIXED OBJECT	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Pedestrian	138	0.3	17	14.8	111	1.0
Bicyclist	105	0.2	1	0.9	92	0.8
Motor vehicle in transport	40,783	74.2	54	47.0	8,414	75.8
Parked motor vehicle	1,281	2.3	1	0.9	146	1.3
Railway train	10	0.0	0	0.0	4	0.0
Animal	2,827	5.1	0	0.0	44	0.4
Other nonfixed objects	317	0.6	2	1.7	37	0.3
SUBTOTAL	45,461	82.8	75	65.2	8,848	79.7

DRIVER AGE 16-20 (CONTINUED)

MOST HARMFUL EVENT IN A COLLISION WITH A FIXED OBJECT	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Bridge/pier/abutment	49	0.1	1	0.9	17	0.2
Bridge parapet end	4	0.0	0	0.0	2	0.0
Bridge rail	67	0.1	0	0.0	13	0.1
Guardrail face	556	1.0	0	0.0	72	0.6
Guardrail end	80	0.1	0	0.0	12	0.1
Median barrier	687	1.3	1	0.9	148	1.3
Highway traffic sign post	409	0.7	0	0.0	18	0.2
Highway signal post	35	0.1	0	0.0	6	0.1
Luminaire/light support	81	0.1	0	0.0	8	0.1
Utility pole	461	0.8	1	0.9	131	1.2
Other pole	152	0.3	0	0.0	11	0.1
Culvert	85	0.2	3	2.6	21	0.2
Curb	246	0.4	0	0.0	24	0.2
Ditch	1,090	2.0	1	0.9	217	2.0
Embankment	286	0.5	0	0.0	59	0.5
Fence	132	0.2	0	0.0	14	0.1
Mailbox	288	0.5	0	0.0	13	0.1
Tree	1,499	2.7	15	13.0	474	4.3
Rail crossing signal	6	0.0	0	0.0	2	0.0
Building	76	0.1	0	0.0	25	0.2
Traffic island	6	0.0	0	0.0	1	0.0
Fire hydrant	63	0.1	0	0.0	11	0.1
Impact attenuator	7	0.0	0	0.0	1	0.0
Other fixed object	422	0.8	0	0.0	76	0.7

For drivers age 16-20, a tree is the fixed object associated with the highest proportion of all crashes (2.7%), fatal crashes (13.0%), and injury crashes (4.3%).

	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Unknown Event	84	0.2	0	0.0	12	0.1
MOST HARMFUL EVENT TOTAL	54,935	100.0	115	100.0	11,095	100.0

DRIVER AGE 16-20 (CONTINUED)

CRASH TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Single Vehicle	11,911	21.7	45	39.1	2,237	20.2
Head On	843	1.5	23	20.0	330	3.0
Head On - Left Turn	1,707	3.1	3	2.6	646	5.8
Angle	11,825	21.5	31	27.0	2,994	27.0
Rear End	18,280	33.3	5	4.3	3,431	30.9
Rear End - Left Turn	807	1.5	0	0.0	211	1.9
Rear End - Right Turn	601	1.1	0	0.0	95	0.9
Sideswipe - Same Direction	5,132	9.3	1	0.9	458	4.1
Sideswipe - Opposite Direction	1,143	2.1	0	0.0	177	1.6
Other/Unknown	2,686	4.9	7	6.1	516	4.7
TOTAL	54,935	100.0	115	100.0	11,095	100.0

Based on crash type, drivers age 16-20 are involved in the largest proportion of rear end crashes for all crashes (33.3%) and injury crashes (30.9%). For fatal crashes the largest proportion is single vehicle crashes (39.1%),

RELATIONSHIP TO ROADWAY (LOCATION OF FIRST IMPACT)	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
On Road	47,205	85.9	84	73.0	9,373	84.5
Median	395	0.7	2	1.7	87	0.8
Shoulder	2,302	4.2	6	5.2	461	4.2
Outside of Shoulder/Curb	4,200	7.6	19	16.5	1,002	9.0
Gore	211	0.4	0	0.0	42	0.4
Other/Unknown	622	1.1	4	3.5	130	1.2
TOTAL	54,935	100.0	115	100.0	11,095	100.0

Other than on the road crashes, drivers age 16-20 have the highest proportion where the first impact is outside the shoulder/curb for all crashes (7.6%), fatal crashes (16.5%), and injury crashes (9.0%).

ROADWAY TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Interstate Routes	5,506	10.0	9	7.8	1,074	9.7
U.S. & Michigan Roads	15,340	27.9	31	27.0	3,148	28.4
County & City Roads	34,089	62.1	75	65.2	6,873	61.9
TOTAL	54,935	100.0	115	100.0	11,095	100.0

DRIVER AGE 16-20 (CONTINUED)

TIME OF DAY	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
12:00 AM - 02:59 AM	2,128	3.9	19	16.5	491	4.4
03:00 AM - 05:59 AM	1,182	2.2	6	5.2	265	2.4
06:00 AM - 08:59 AM	6,446	11.7	12	10.4	1,144	10.3
09:00 AM - 11:59 AM	6,109	11.1	7	6.1	1,258	11.3
12:00 PM - 02:59 PM	10,448	19.0	10	8.7	2,169	19.5
03:00 PM - 05:59 PM	14,987	27.3	9	7.8	2,995	27.0
06:00 PM - 08:59 PM	8,270	15.1	20	17.4	1,678	15.1
09:00 PM - 11:59 PM	5,339	9.7	32	27.8	1,091	9.8
Unknown	26	0.0	0	0.0	4	0.0
TOTAL	54,935	100.0	115	100.0	11,095	100.0

For drivers age 16-20, the 3:00 - 5:59 PM time period has the highest proportion of all crashes (27.3%) and injury crashes (27.0%). The 9:00 - 11:59 PM time period has the highest proportion of fatal crashes (27.8%).

HAZARDOUS ACTION	ALL CRASHES		FATAL CRASHES		INJURY CRASHES		HAZARDOUS CITATION ISSUED	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
None	18,428	33.5	36	31.3	3,250	29.3	114	0.6
Speed too fast	7,166	13.0	19	16.5	1,471	13.3	2,677	14.0
Speed too slow	48	0.1	0	0.0	8	0.1	26	0.1
Failed to yield	7,107	12.9	13	11.3	1,795	16.2	4,438	23.2
Disregard traffic control	1,341	2.4	5	4.3	532	4.8	957	5.0
Drove wrong way	52	0.1	2	1.7	16	0.1	24	0.1
Drove left of center	321	0.6	7	6.1	112	1.0	147	0.8
Improper passing	289	0.5	0	0.0	38	0.3	143	0.7
Improper lane use	1,156	2.1	0	0.0	99	0.9	638	3.3
Improper turn	591	1.1	1	0.9	90	0.8	321	1.7
Improper/no signal	101	0.2	0	0.0	17	0.2	24	0.1
Improper backing	836	1.5	0	0.0	21	0.2	320	1.7
Unable to stop in assured clear distance	12,153	22.1	3	2.6	2,237	20.2	7,183	37.6
Reckless driving	319	0.6	9	7.8	112	1.0	158	0.8
Careless/negligent driving	2,059	3.7	11	9.6	646	5.8	1,195	6.3
Other	2,086	3.8	3	2.6	436	3.9	694	3.6
Unknown	882	1.6	6	5.2	215	1.9	49	0.3
TOTAL	54,935	100.0	115	100.0	11,095	100.0	19,108	100.0

After no hazardous action, the second highest hazardous action category for drivers age 16-20 for all crashes (22.1%) and injury crashes (20.2%) occurs when the driver is unable to stop in an assured clear distance. For fatal crashes, the second highest category is speed too fast (16.5%).

DRIVER AGE 16-20 (CONTINUED)

DAY OF WEEK	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Monday	7,459	13.6	10	8.7	1,544	13.9
Tuesday	8,212	14.9	17	14.8	1,642	14.8
Wednesday	8,766	16.0	12	10.4	1,656	14.9
Thursday	9,098	16.6	17	14.8	1,762	15.9
Friday	9,600	17.5	14	12.2	1,934	17.4
Saturday	6,444	11.7	28	24.3	1,400	12.6
Sunday	5,356	9.7	17	14.8	1,157	10.4
TOTAL	54,935	100.0	115	100.0	11,095	100.0

DRIVER GENDER	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Male	29,620	53.9	82	71.3	5,760	51.9
Female	25,305	46.1	33	28.7	5,335	48.1
Unknown	10	0.0	0	0.0	0	0.0
TOTAL	54,935	100.0	115	100.0	11,095	100.0

For drivers age 16-20, male drivers (71.3%) account for almost two and a half times that of female drivers (28.7%) in fatal crashes.

NUMBER OF OCCUPANTS	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
1 occupant	40,177	73.1	66	57.4	7,369	66.4
2 occupants	10,476	19.1	18	15.7	2,529	22.8
3 occupants	2,712	4.9	21	18.3	726	6.5
4 occupants	1,015	1.8	4	3.5	305	2.7
5 occupants	264	0.5	5	4.3	105	0.9
6 + occupants	91	0.2	1	0.9	42	0.4
0 occupants	73	0.1	0	0.0	4	0.0
Unknown	127	0.2	0	0.0	15	0.1
TOTAL	54,935	100.0	115	100.0	11,095	100.0

DRIVER AGE 16-20 (CONTINUED)

VEHICLE TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Passenger Car and Station Wagon	47,618	86.7	91	79.1	9,484	85.5
Van and Motorhome	1,029	1.9	4	3.5	225	2.0
Pickup	5,188	9.4	13	11.3	1,017	9.2
Small Truck (under 10,000 lbs.)	607	1.1	0	0.0	114	1.0
Motorcycle	157	0.3	4	3.5	114	1.0
Moped	68	0.1	0	0.0	53	0.5
Go Cart	4	0.0	0	0.0	1	0.0
Snowmobile	22	0.0	2	1.7	10	0.1
Off Road Vehicle	47	0.1	0	0.0	41	0.4
Other	69	0.1	0	0.0	15	0.1
Unknown	30	0.1	0	0.0	2	0.0
CDL Truck/Bus (breakdown below)	96	0.2	1	0.9	19	0.2
TOTAL NUMBER OF DRIVERS	54,935	100.0	115	100.0	11,095	100.0

CDL TRUCK/BUS SUB-CATEGORY TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Commercial Vehicle: Group A*	31	32.3	0	0.0	5	26.3
Commercial Vehicle: Group B**	25	26.0	0	0.0	7	36.8
Commercial Vehicle: Group C***	7	7.3	0	0.0	0	0.0
Other Truck	32	33.3	1	100.0	7	36.8
Unknown Truck	1	1.0	0	0.0	0	0.0
Total Number of Vehicles	96	100.0	1	100.0	19	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 21-64

DRIVER ACTION PRIOR TO CRASH	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Going straight ahead	203,932	56.4	702	78.3	40,489	57.2
Turning left	22,488	6.2	40	4.5	5,464	7.7
Turning right	10,107	2.8	15	1.7	1,388	2.0
Stopped on roadway	44,693	12.4	25	2.8	9,770	13.8
In prior crash	382	0.1	1	0.1	123	0.2
Changing lanes	8,867	2.5	14	1.6	1,041	1.5
Backing	7,817	2.2	4	0.4	333	0.5
Slowing/stopping on roadway	38,623	10.7	18	2.0	7,324	10.4
Slowing/stopping other	545	0.2	1	0.1	106	0.1
Starting up on roadway	6,812	1.9	5	0.6	1,418	2.0
Starting up other	95	0.0	1	0.1	17	0.0
Entering parking	314	0.1	0	0.0	35	0.0
Leaving parking	850	0.2	1	0.1	155	0.2
Entering roadway	3,996	1.1	6	0.7	800	1.1
Leaving roadway	449	0.1	5	0.6	122	0.2
Making U-turn	557	0.2	4	0.4	119	0.2
Overtaking or passing	2,079	0.6	16	1.8	338	0.5
Avoiding object	453	0.1	1	0.1	96	0.1
Avoiding animal	594	0.2	2	0.2	118	0.2
Avoiding pedestrian	79	0.0	6	0.7	31	0.0
Avoiding vehicle (front/back)	2,899	0.8	13	1.5	667	0.9
Avoiding vehicle (angle)	1,189	0.3	4	0.4	247	0.3
Driverless moving	65	0.0	0	0.0	16	0.0
Parked	1,971	0.5	3	0.3	224	0.3
Crossing at intersection	9	0.0	0	0.0	2	0.0
Crossing not at intersection	2	0.0	0	0.0	0	0.0
Getting on/off vehicle	2	0.0	0	0.0	0	0.0
In roadway with traffic	7	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	2	0.0	0	0.0	1	0.0
Pushing/working on vehicle	1	0.0	0	0.0	0	0.0
Other working in roadway	9	0.0	0	0.0	2	0.0
Playing in roadway	0	0.0	0	0.0	0	0.0
In roadway other reason	3	0.0	0	0.0	0	0.0
Not in roadway	21	0.0	0	0.0	5	0.0
Other	377	0.1	3	0.3	71	0.1
Unknown	1,487	0.4	6	0.7	232	0.3
TOTAL DRIVERS	361,779	100.0	896	100.0	70,756	100.0

DRIVER AGE 21-64 (CONTINUED)

MOST HARMFUL EVENT IN A NONCOLLISION	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Loss of control	1,661	0.5	0	0.0	455	0.6
Cross center/median	247	0.1	2	0.2	77	0.1
Ran off road left	565	0.2	0	0.0	107	0.2
Ran off road right	1,072	0.3	3	0.3	180	0.3
Re-enter road	58	0.0	1	0.1	10	0.0
Overturn	5,757	1.6	58	6.5	2,399	3.4
Separation of units	119	0.0	0	0.0	9	0.0
Fire/explosion	243	0.1	7	0.8	19	0.0
Immersion	35	0.0	0	0.0	6	0.0
Jackknife	254	0.1	0	0.0	21	0.0
Downhill runaway	16	0.0	0	0.0	5	0.0
Cargo loss/shift	297	0.1	0	0.0	17	0.0
Individual fell off	286	0.1	10	1.1	241	0.3
Other noncollision	953	0.3	1	0.1	191	0.3
SUBTOTAL	11,563	3.2	82	9.2	3,737	5.3

For drivers age 21-64, an overturn is the most harmful event in a noncollision with the highest proportion of all crashes (1.6%), fatal crashes (16.5%), and injury crashes (3.4%)

MOST HARMFUL EVENT IN A COLLISION WITH A NONFIXED OBJECT	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Pedestrian	1,096	0.3	87	9.7	898	1.3
Bicyclist	947	0.3	13	1.5	729	1.0
Motor vehicle in transport	267,959	74.1	538	60.0	57,490	81.3
Parked motor vehicle	7,730	2.1	12	1.3	737	1.0
Railway train	36	0.0	2	0.2	8	0.0
Animal	38,831	10.7	5	0.6	673	1.0
Other nonfixed objects	3,699	1.0	13	1.5	291	0.4
SUBTOTAL	320,298	88.5	670	74.8	60,826	86.0

DRIVER AGE 21-64 (CONTINUED)

MOST HARMFUL EVENT IN A COLLISION WITH A FIXED OBJECT	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Bridge/pier/abutment	346	0.1	5	0.6	77	0.1
Bridge parapet end	52	0.0	0	0.0	8	0.0
Bridge rail	351	0.1	0	0.0	55	0.1
Guardrail face	2,917	0.8	6	0.7	508	0.7
Guardrail end	415	0.1	4	0.4	90	0.1
Median barrier	4,095	1.1	4	0.4	893	1.3
Highway traffic sign post	1,740	0.5	4	0.4	105	0.1
Highway signal post	135	0.0	0	0.0	15	0.0
Luminaire/light support	374	0.1	3	0.3	75	0.1
Utility pole	1,971	0.5	11	1.2	591	0.8
Other pole	664	0.2	0	0.0	95	0.1
Culvert	302	0.1	5	0.6	83	0.1
Curb	1,062	0.3	1	0.1	162	0.2
Ditch	4,182	1.2	7	0.8	844	1.2
Embankment	1,277	0.4	5	0.6	225	0.3
Fence	511	0.1	1	0.1	63	0.1
Mailbox	1,055	0.3	0	0.0	54	0.1
Tree	4,989	1.4	71	7.9	1,565	2.2
Rail crossing signal	57	0.0	0	0.0	3	0.0
Building	344	0.1	9	1.0	128	0.2
Traffic island	35	0.0	0	0.0	9	0.0
Fire hydrant	269	0.1	1	0.1	40	0.1
Impact attenuator	49	0.0	1	0.1	10	0.0
Other fixed object	2,196	0.6	6	0.7	388	0.5

For drivers age 21-64, a tree is the fixed object associated with the highest proportion of all crashes (1.4%), fatal crashes (7.9%), and injury crashes (2.2%).

	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Unknown Event	530	0.1	0	0.0	107	0.2
MOST HARMFUL EVENT TOTAL	361,779	100.0	896	100.0	70,756	100.0

DRIVER AGE 21-64 (CONTINUED)

CRASH TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Single Vehicle	78,808	21.8	285	31.8	10,423	14.7
Head On	5,281	1.5	188	21.0	2,280	3.2
Head On - Left Turn	8,967	2.5	35	3.9	3,583	5.1
Angle	67,226	18.6	192	21.4	17,678	25.0
Rear End	120,746	33.4	96	10.7	25,955	36.7
Rear End - Left Turn	4,185	1.2	5	0.6	1,087	1.5
Rear End - Right Turn	4,593	1.3	0	0.0	682	1.0
Sideswipe - Same Direction	42,549	11.8	18	2.0	3,906	5.5
Sideswipe - Opposite Direction	8,481	2.3	9	1.0	1,235	1.7
Other/Unknown	20,943	5.8	68	7.6	3,927	5.6
TOTAL	361,779	100.0	896	100.0	70,756	100.0

Based on crash type, drivers age 21-64 are involved in the largest proportion of rear end crashes for all crashes (33.4%) and for injury crashes (36.7%). Single vehicle crashes are the largest proportion of fatal crashes (31.8%).

RELATIONSHIP TO ROADWAY (LOCATION OF FIRST IMPACT)	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
On Road	328,863	90.9	712	79.5	63,495	89.7
Median	2,303	0.6	10	1.1	492	0.7
Shoulder	10,623	2.9	45	5.0	2,026	2.9
Outside of Shoulder/Curb	16,222	4.5	107	11.9	3,873	5.5
Gore	885	0.2	5	0.6	220	0.3
Other/Unknown	2,883	0.8	17	1.9	650	0.9
TOTAL	361,779	100.0	896	100.0	70,756	100.0

Other than on the road crashes, drivers age 21-64 have the highest proportion where the first impact is outside the shoulder/curb for all crashes (4.5%), fatal crashes (11.9%), and injury crashes (5.5%).

ROADWAY TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Interstate Routes	51,092	14.1	118	13.2	10,041	14.2
U.S. & Michigan Roads	111,096	30.7	318	35.5	22,327	31.6
County & City Roads	199,591	55.2	460	51.3	38,388	54.3
TOTAL	361,779	100.0	896	100.0	70,756	100.0

DRIVER AGE 21-64 (CONTINUED)

TIME OF DAY	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
12:00 AM - 02:59 AM	12,127	3.4	113	12.6	2,613	3.7
03:00 AM - 05:59 AM	12,370	3.4	70	7.8	2,032	2.9
06:00 AM - 08:59 AM	56,136	15.5	122	13.6	9,111	12.9
09:00 AM - 11:59 AM	49,313	13.6	86	9.6	9,895	14.0
12:00 PM - 02:59 PM	63,904	17.7	101	11.3	13,531	19.1
03:00 PM - 05:59 PM	91,471	25.3	128	14.3	18,935	26.8
06:00 PM - 08:59 PM	50,712	14.0	136	15.2	9,707	13.7
09:00 PM - 11:59 PM	25,612	7.1	140	15.6	4,904	6.9
Unknown	134	0.0	0	0.0	28	0.0
TOTAL	361,779	100.0	896	100.0	70,756	100.0

For drivers age 21-64, the 3:00 - 5:59 PM time period has the highest proportion of all crashes (25.3%) and injury crashes (26.8%). The 9:00 - 11:59 PM time period has the highest proportion of fatal crashes (15.6%).

HAZARDOUS ACTION	ALL CRASHES		FATAL CRASHES		INJURY CRASHES		HAZARDOUS CITATION ISSUED	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
None	199,688	55.2	373	41.6	36,122	51.1	602	0.8
Speed too fast	27,505	7.6	124	13.8	5,746	8.1	8,714	11.9
Speed too slow	262	0.1	1	0.1	58	0.1	71	0.1
Failed to yield	28,023	7.7	45	5.0	6,842	9.7	16,185	22.1
Disregard traffic control	6,327	1.7	32	3.6	2,436	3.4	3,876	5.3
Drove wrong way	276	0.1	10	1.1	94	0.1	105	0.1
Drove left of center	1,674	0.5	43	4.8	508	0.7	721	1.0
Improper passing	1,691	0.5	6	0.7	202	0.3	650	0.9
Improper lane use	6,847	1.9	7	0.8	711	1.0	3,192	4.4
Improper turn	3,109	0.9	3	0.3	444	0.6	1,375	1.9
Improper/no signal	533	0.1	1	0.1	70	0.1	149	0.2
Improper backing	5,622	1.6	2	0.2	156	0.2	1,773	2.4
Unable to stop in assured clear distance	50,135	13.9	24	2.7	10,037	14.2	26,861	36.8
Reckless driving	1,544	0.4	34	3.8	610	0.9	676	0.9
Careless/negligent driving	8,346	2.3	49	5.5	2,483	3.5	4,413	6.0
Other	12,788	3.5	55	6.1	2,608	3.7	3,475	4.8
Unknown	7,409	2.0	87	9.7	1,629	2.3	239	0.3
TOTAL	361,779	100.0	896	100.0	70,756	100.0	73,077	100.0

After no hazardous action, the second highest hazardous action category for drivers age 21-64 for all crashes (13.9%) and injury crashes (14.2%) occurs when the driver is unable to stop in an assured clear distance. For fatal crashes, the second highest category is speed too fast (13.8%).

DRIVER AGE 21-64 (CONTINUED)

DAY OF WEEK	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Monday	51,517	14.2	102	11.4	9,905	14.0
Tuesday	57,044	15.8	111	12.4	10,975	15.5
Wednesday	60,657	16.8	107	11.9	11,274	15.9
Thursday	59,724	16.5	129	14.4	11,462	16.2
Friday	60,833	16.8	130	14.5	11,995	17.0
Saturday	40,908	11.3	172	19.2	8,549	12.1
Sunday	31,096	8.6	145	16.2	6,596	9.3
TOTAL	361,779	100.0	896	100.0	70,756	100.0

DRIVER GENDER	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Male	200,743	55.5	671	74.9	37,803	53.4
Female	160,964	44.5	225	25.1	32,944	46.6
Unknown	72	0.0	0	0.0	9	0.0
TOTAL	361,779	100.0	896	100.0	70,756	100.0

For drivers age 21-64, male drivers (74.9%) account for almost three times that of female drivers (25.1%) in fatal crashes.

NUMBER OF OCCUPANTS	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
1 occupant	285,187	78.8	668	74.6	50,942	72.0
2 occupants	51,337	14.2	154	17.2	13,017	18.4
3 occupants	14,144	3.9	41	4.6	3,993	5.6
4 occupants	5,908	1.6	16	1.8	1,677	2.4
5 occupants	1,802	0.5	9	1.0	563	0.8
6 + occupants	1,452	0.4	7	0.8	379	0.5
0 occupants	1,186	0.3	0	0.0	72	0.1
Unknown	763	0.2	1	0.1	113	0.2
TOTAL	361,779	100.0	896	100.0	70,756	100.0

DRIVER AGE 21-64 (CONTINUED)

VEHICLE TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Passenger Car and Station Wagon	280,883	77.6	528	58.9	54,698	77.3
Van and Motorhome	15,716	4.3	27	3.0	3,123	4.4
Pickup	42,955	11.9	129	14.4	7,279	10.3
Small Truck (under 10,000 lbs.)	5,419	1.5	18	2.0	944	1.3
Motorcycle	2,488	0.7	94	10.5	1,870	2.6
Moped	251	0.1	2	0.2	205	0.3
Go Cart	18	0.0	0	0.0	7	0.0
Snowmobile	146	0.0	7	0.8	98	0.1
Off Road Vehicle	157	0.0	4	0.4	115	0.2
Other	1,530	0.4	1	0.1	293	0.4
Unknown	200	0.1	0	0.0	23	0.0
CDL Truck/Bus (breakdown below)	12,016	3.3	86	9.6	2,101	3.0
TOTAL NUMBER OF DRIVERS	361,779	100.0	896	100.0	70,756	100.0

CDL TRUCK/BUS SUB-CATEGORY TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Commercial Vehicle: Group A*	7,466	62.1	56	65.1	1,298	61.8
Commercial Vehicle: Group B**	2,928	24.4	22	25.6	533	25.4
Commercial Vehicle: Group C***	369	3.1	0	0.0	45	2.1
Other Truck	1,138	9.5	8	9.3	218	10.4
Unknown Truck	113	0.9	0	0.0	7	0.3
Total Number of Vehicles	12,014	100.0	86	100.0	2,101	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 AND OVER

DRIVER ACTION PRIOR TO CRASH	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Going straight ahead	24,270	51.3	133	68.9	5,125	52.7
Turning left	4,903	10.4	22	11.4	1,348	13.9
Turning right	1,873	4.0	2	1.0	258	2.7
Stopped on roadway	5,360	11.3	7	3.6	1,213	12.5
In prior crash	35	0.1	0	0.0	12	0.1
Changing lanes	1,564	3.3	3	1.6	137	1.4
Backing	1,521	3.2	2	1.0	40	0.4
Slowing/stopping on roadway	4,003	8.5	3	1.6	827	8.5
Slowing/stopping other	64	0.1	0	0.0	15	0.2
Starting up on roadway	1,154	2.4	3	1.6	252	2.6
Starting up other	15	0.0	0	0.0	2	0.0
Entering parking	89	0.2	0	0.0	10	0.1
Leaving parking	196	0.4	0	0.0	37	0.4
Entering roadway	956	2.0	6	3.1	210	2.2
Leaving roadway	66	0.1	1	0.5	23	0.2
Making U-turn	138	0.3	0	0.0	32	0.3
Overtaking or passing	272	0.6	2	1.0	45	0.5
Avoiding object	36	0.1	0	0.0	3	0.0
Avoiding animal	41	0.1	0	0.0	8	0.1
Avoiding pedestrian	8	0.0	0	0.0	6	0.1
Avoiding vehicle (front/back)	222	0.5	4	2.1	42	0.4
Avoiding vehicle (angle)	121	0.3	3	1.6	18	0.2
Driverless moving	18	0.0	0	0.0	1	0.0
Parked	216	0.5	0	0.0	18	0.2
Crossing at intersection	5	0.0	0	0.0	1	0.0
Crossing not at intersection	0	0.0	0	0.0	0	0.0
Getting on/off vehicle	0	0.0	0	0.0	0	0.0
In roadway with traffic	1	0.0	1	0.5	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	0	0.0	0	0.0	0	0.0
In roadway other reason	1	0.0	0	0.0	0	0.0
Not in roadway	2	0.0	0	0.0	1	0.0
Other	29	0.1	0	0.0	7	0.1
Unknown	177	0.4	1	0.5	29	0.3
TOTAL DRIVERS	47,356	100.0	193	100.0	9,720	100.0

DRIVER AGE 65 AND OVER (CONTINUED)

MOST HARMFUL EVENT IN A NONCOLLISION	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Loss of control	131	0.3	0	0.0	38	0.4
Cross center/median	43	0.1	1	0.5	17	0.2
Ran off road left	71	0.1	0	0.0	11	0.1
Ran off road right	119	0.3	0	0.0	24	0.2
Re-enter road	11	0.0	0	0.0	4	0.0
Overtake	442	0.9	6	3.1	206	2.1
Separation of units	14	0.0	0	0.0	1	0.0
Fire/explosion	25	0.1	1	0.5	2	0.0
Immersion	4	0.0	0	0.0	0	0.0
Jackknife	18	0.0	0	0.0	1	0.0
Downhill runaway	1	0.0	0	0.0	0	0.0
Cargo loss/shift	27	0.1	0	0.0	2	0.0
Individual fell off	33	0.1	2	1.0	29	0.3
Other noncollision	124	0.3	0	0.0	23	0.2
SUBTOTAL	1,063	2.2	10	5.2	358	3.7

For drivers age 65 and over, an overtake is the most harmful event in a noncollision with the highest proportion of all crashes (0.9%), fatal crashes (3.1%), and injury crashes (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 Drivers	% of Total	Number of Drivers	% of Total
Pedestrian	206	0.4	15	7.8	170	1.7
Bicyclist	201	0.4	5	2.6	157	1.6
Motor vehicle in transport	36,490	77.1	132	68.4	8,108	83.4
Parked motor vehicle	1,250	2.6	2	1.0	110	1.1
Railway train	5	0.0	1	0.5	2	0.0
Animal	4,754	10.0	0	0.0	80	0.8
Other nonfixed objects	452	1.0	1	0.5	38	0.4
SUBTOTAL	43,358	91.6	156	80.8	8,665	89.1

DRIVER AGE 65 AND 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 Drivers	% of Total	Number of Drivers	% of Total
Bridge/pier/abutment	22	0.0	1	0.5	6	0.1
Bridge parapet end	1	0.0	0	0.0	0	0.0
Bridge rail	33	0.1	1	0.5	9	0.1
Guardrail face	222	0.5	0	0.0	53	0.5
Guardrail end	35	0.1	0	0.0	10	0.1
Median barrier	235	0.5	2	1.0	62	0.6
Highway traffic sign post	228	0.5	1	0.5	17	0.2
Highway signal post	20	0.0	0	0.0	2	0.0
Luminaire/light support	38	0.1	0	0.0	8	0.1
Utility pole	179	0.4	1	0.5	65	0.7
Other pole	68	0.1	0	0.0	15	0.2
Culvert	29	0.1	0	0.0	11	0.1
Curb	108	0.2	0	0.0	17	0.2
Ditch	432	0.9	3	1.6	95	1.0
Embankment	144	0.3	1	0.5	25	0.3
Fence	51	0.1	0	0.0	13	0.1
Mailbox	138	0.3	0	0.0	4	0.0
Tree	564	1.2	16	8.3	206	2.1
Rail crossing signal	8	0.0	0	0.0	1	0.0
Building	69	0.1	0	0.0	22	0.2
Traffic island	5	0.0	0	0.0	0	0.0
Fire hydrant	26	0.1	0	0.0	5	0.1
Impact attenuator	4	0.0	0	0.0	0	0.0
Other fixed object	204	0.4	1	0.5	37	0.4

For drivers age 65 and over, a tree is the fixed object associated with the highest proportion of all crashes (1.2%), fatal crashes (8.3%), and injury crashes (2.1%).

	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Unknown Event	72	0.2	0	0.0	14	0.1
MOST HARMFUL EVENT TOTAL	47,356	100.0	193	100.0	9,720	100.0

DRIVER AGE 65 AND OVER (CONTINUED)

CRASH TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Single Vehicle	8,785	18.6	48	24.9	1,225	12.6
Head On	631	1.3	37	19.2	299	3.1
Head On - Left Turn	1,593	3.4	14	7.3	657	6.8
Angle	11,986	25.3	55	28.5	3,188	32.8
Rear End	12,851	27.1	14	7.3	2,990	30.8
Rear End - Left Turn	551	1.2	3	1.6	137	1.4
Rear End - Right Turn	556	1.2	0	0.0	75	0.8
Sideswipe - Same Direction	6,401	13.5	8	4.1	493	5.1
Sideswipe - Opposite Direction	1,087	2.3	1	0.5	141	1.5
Other/Unknown	2,915	6.2	13	6.7	515	5.3
TOTAL	47,356	100.0	193	100.0	9,720	100.0

Based on crash type, drivers age 65 and over are involved in the largest proportion of rear end crashes for all crashes (27.1%) and angle crashes for fatal crashes (28.5%) and injury crashes (32.8%).

RELATIONSHIP TO ROADWAY (LOCATION OF FIRST IMPACT)	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
On Road	43,870	92.6	159	82.4	8,887	91.4
Median	179	0.4	2	1.0	40	0.4
Shoulder	1,167	2.5	9	4.7	228	2.3
Outside of Shoulder/Curb	1,683	3.6	17	8.8	451	4.6
Gore	78	0.2	2	1.0	19	0.2
Other/Unknown	379	0.8	4	2.1	95	1.0
TOTAL	47,356	100.0	193	100.0	9,720	100.0

Other than on the road crashes, drivers age 65 and over have the highest proportion where the first impact is outside the shoulder/curb for all crashes (3.6%), fatal crashes (8.8%), and injury crashes (4.6%)

ROADWAY TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Interstate Routes	4,153	8.8	19	9.8	869	8.9
U.S. & Michigan Roads	15,604	33.0	69	35.8	3,335	34.3
County & City Roads	27,599	58.3	105	54.4	5,516	56.7
TOTAL	47,356	100.0	193	100.0	9,720	100.0

DRIVER AGE 65 AND OVER (CONTINUED)

TIME OF DAY	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
12:00 AM - 02:59 AM	493	1.0	3	1.6	76	0.8
03:00 AM - 05:59 AM	504	1.1	2	1.0	100	1.0
06:00 AM - 08:59 AM	4,069	8.6	14	7.3	725	7.5
09:00 AM - 11:59 AM	9,711	20.5	39	20.2	2,009	20.7
12:00 PM - 02:59 PM	12,693	26.8	49	25.4	2,785	28.7
03:00 PM - 05:59 PM	12,039	25.4	45	23.3	2,573	26.5
06:00 PM - 08:59 PM	5,689	12.0	29	15.0	1,082	11.1
09:00 PM - 11:59 PM	2,143	4.5	12	6.2	368	3.8
Unknown	15	0.0	0	0.0	2	0.0
TOTAL	47,356	100.0	193	100.0	9,720	100.0

For drivers age 65 and over, the 12:00 - 2:59 PM time period has the highest proportion of all crashes (26.8%), fatal crashes (25.4%), and injury crashes (28.7%).

HAZARDOUS ACTION	ALL CRASHES		FATAL CRASHES		INJURY CRASHES		HAZARDOUS CITATION ISSUED	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
None	24,429	51.6	70	36.3	4,574	47.1	61	0.6
Speed too fast	2,014	4.3	15	7.8	462	4.8	472	4.9
Speed too slow	30	0.1	0	0.0	9	0.1	12	0.1
Failed to yield	7,152	15.1	26	13.5	1,837	18.9	3,745	39.0
Disregard traffic control	1,158	2.4	15	7.8	450	4.6	692	7.2
Drove wrong way	49	0.1	4	2.1	13	0.1	13	0.1
Drove left of center	283	0.6	11	5.7	77	0.8	113	1.2
Improper passing	248	0.5	0	0.0	26	0.3	80	0.8
Improper lane use	1,391	2.9	3	1.6	117	1.2	623	6.5
Improper turn	713	1.5	2	1.0	114	1.2	308	3.2
Improper/no signal	93	0.2	1	0.5	19	0.2	24	0.3
Improper backing	1,117	2.4	0	0.0	21	0.2	260	2.7
Unable to stop in assured clear distance	4,900	10.3	5	2.6	1,084	11.2	2,364	24.6
Reckless driving	50	0.1	0	0.0	20	0.2	23	0.2
Careless/negligent driving	868	1.8	2	1.0	280	2.9	387	4.0
Other	1,689	3.6	15	7.8	355	3.7	394	4.1
Unknown	1,172	2.5	24	12.4	262	2.7	25	0.3
TOTAL	47,356	100.0	193	100.0	9,720	100.0	9,596	100.0

After no hazardous action, the second highest hazardous action category for drivers age 65 and over for all crashes (15.1%), fatal crashes (13.5%), and injury crashes (18.9%) occurs when the driver fails to yield.

DRIVER AGE 65 AND OVER (CONTINUED)

DAY OF WEEK	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Monday	6,965	14.7	23	11.9	1,379	14.2
Tuesday	7,634	16.1	31	16.1	1,546	15.9
Wednesday	7,581	16.0	22	11.4	1,572	16.2
Thursday	7,757	16.4	35	18.1	1,572	16.2
Friday	8,152	17.2	25	13.0	1,706	17.6
Saturday	5,184	10.9	33	17.1	1,071	11.0
Sunday	4,083	8.6	24	12.4	874	9.0
TOTAL	47,356	100.0	193	100.0	9,720	100.0

DRIVER GENDER	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Male	27,615	58.3	136	70.5	5,524	56.8
Female	19,735	41.7	57	29.5	4,195	43.2
Unknown	6	0.0	0	0.0	1	0.0
TOTAL	47,356	100.0	193	100.0	9,720	100.0

For drivers age 65 and over, male drivers (70.5%) account for almost two and a half times that of female drivers (29.5%) in fatal crashes.

NUMBER OF OCCUPANTS	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
1 occupant	36,723	77.5	132	68.4	7,016	72.2
2 occupants	8,914	18.8	48	24.9	2,264	23.3
3 occupants	963	2.0	4	2.1	271	2.8
4 occupants	335	0.7	4	2.1	94	1.0
5 occupants	83	0.2	2	1.0	27	0.3
6 + occupants	121	0.3	3	1.6	25	0.3
0 occupants	141	0.3	0	0.0	11	0.1
Unknown	76	0.2	0	0.0	12	0.1
TOTAL	47,356	100.0	193	100.0	9,720	100.0

DRIVER AGE 65 AND OVER (CONTINUED)

VEHICLE TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Passenger Car and Station Wagon	38,138	80.5	121	62.7	7,823	80.5
Van and Motorhome	2,163	4.6	14	7.3	458	4.7
Pickup	5,452	11.5	25	13.0	1,030	10.6
Small Truck (under 10,000 lbs.)	537	1.1	2	1.0	89	0.9
Motorcycle	196	0.4	12	6.2	134	1.4
Moped	28	0.1	1	0.5	23	0.2
Go Cart	3	0.0	1	0.5	0	0.0
Snowmobile	13	0.0	0	0.0	10	0.1
Off Road Vehicle	17	0.0	1	0.5	13	0.1
Other	113	0.2	6	3.1	28	0.3
Unknown	29	0.1	1	0.5	3	0.0
CDL Truck/Bus (breakdown below)	667	1.4	9	4.7	109	1.1
TOTAL NUMBER OF DRIVERS	47,356	100.0	193	100.0	9,720	100.0

CDL TRUCK/BUS SUB-CATEGORY TYPE	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Commercial Vehicle: Group A*	379	56.8	7	77.8	67	61.5
Commercial Vehicle: Group B**	193	28.9	2	22.2	30	27.5
Commercial Vehicle: Group C***	41	6.1	0	0.0	3	2.8
Other Truck	43	6.4	0	0.0	9	8.3
Unknown Truck	11	1.6	0	0.0	0	0.0
Total Number of Vehicles	667	100.0	9	100.0	109	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.