

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	0	0	0	165	1	164	0	0	0	1	0	0	6	0	4
1	2	0	0	162	2	160	0	0	0	0	0	0	3	0	2
2	0	0	0	150	0	150	0	0	0	0	0	0	7	0	3
3	1	0	1	198	1	197	0	0	0	2	0	1	8	0	5
4	0	0	0	267	1	266	0	0	0	0	0	0	6	0	3
5	2	0	1	284	1	283	2	0	2	1	0	1	11	1	8
6	0	0	0	257	1	256	0	0	0	3	0	1	18	0	16
7	2	0	1	307	2	305	0	0	0	5	0	5	16	1	14
8	3	0	2	273	0	273	0	0	0	10	0	7	20	1	18
9	5	0	3	291	0	291	5	0	4	11	0	10	8	0	8
10	4	0	2	307	1	306	0	0	0	16	0	14	16	0	15
11	11	0	4	298	0	298	2	0	1	33	0	28	21	1	19
12	32	0	12	319	0	319	0	0	0	34	0	24	28	1	22
13	48	0	19	280	3	277	6	0	5	39	0	29	42	1	37
14	146	0	41	353	2	351	11	0	10	49	0	41	37	4	29
15	626	2	97	436	1	435	8	0	6	48	0	36	53	0	45
16	7,113	7	678	475	5	470	12	0	12	49	0	39	44	0	41
17	9,131	2	918	514	3	511	16	1	14	42	0	34	35	1	32
18	10,524	8	1,202	515	7	508	45	0	39	45	0	38	40	0	38
19	11,013	12	1,270	471	7	464	62	2	43	40	1	28	46	0	41
20	10,634	17	1,174	410	2	408	80	3	55	38	0	33	35	3	26
21	10,457	16	1,280	344	7	337	62	2	49	41	2	31	48	1	37
22	10,737	10	1,242	369	6	363	77	3	57	27	0	23	31	3	26
23	10,316	8	1,277	353	5	348	81	2	63	18	0	16	49	6	37
24	9,876	19	1,179	315	4	311	78	5	52	19	0	13	37	1	26
25	9,827	9	1,219	302	6	296	81	1	67	21	1	18	49	1	41
26	9,492	14	1,157	268	2	266	89	6	64	22	0	19	36	1	27
27	9,243	5	1,077	289	3	286	80	1	55	31	0	25	33	0	29
28	9,257	11	1,139	270	3	267	81	6	56	18	0	15	30	2	24
29	9,356	16	1,193	248	4	244	73	1	58	27	0	22	37	5	27
30	9,535	14	1,173	274	1	273	74	5	47	31	0	23	41	4	30
31	9,640	17	1,154	237	4	233	70	6	58	22	0	17	35	1	29
32	9,501	8	1,190	220	1	219	84	0	72	19	1	15	35	7	23
33	9,394	19	1,146	246	4	242	70	4	55	16	0	12	44	5	34
34	8,794	14	1,096	184	0	184	66	3	52	22	0	17	31	2	26
35	8,436	12	984	211	0	211	69	3	53	15	1	8	31	5	25
36	8,039	19	947	174	0	174	73	6	46	22	0	17	31	2	24
37	7,858	8	882	160	2	158	57	3	40	21	1	15	35	2	27

*Driver age is calculated from birth date, and invalid date of birth can 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	7,775	9	877	167	2	165	72	4	55	12	0	11	32	2	25
39	7,645	15	870	159	1	158	52	4	34	16	2	12	28	2	23
40	7,400	7	826	140	0	140	57	0	36	14	1	12	26	4	16
41	7,371	16	897	139	3	136	56	4	38	11	1	8	43	6	31
42	7,153	13	776	144	2	142	49	2	35	17	0	15	25	4	20
43	7,089	13	730	156	1	155	53	3	37	17	0	11	35	4	29
44	6,721	7	755	108	0	108	52	0	39	12	0	6	32	2	26
45	6,534	9	714	164	1	163	62	4	40	17	0	12	33	2	30
46	6,423	11	654	123	4	119	53	3	38	12	0	8	22	1	19
47	6,278	12	691	112	1	111	51	4	40	14	0	9	25	1	22
48	6,164	8	698	116	1	115	68	2	51	10	0	10	27	1	20
49	6,063	7	642	120	4	116	50	6	35	11	0	10	23	5	15
50	6,216	3	696	114	0	114	41	0	32	10	1	8	28	0	24
51	6,502	8	763	142	2	140	61	1	44	14	0	11	31	4	20
52	6,957	11	800	142	1	141	76	2	50	24	0	17	30	4	23
53	6,545	13	738	158	2	156	72	5	46	18	1	15	36	1	31
54	6,354	9	758	158	1	157	53	3	39	11	1	7	18	1	17
55	6,024	7	665	147	1	146	48	0	34	22	1	19	24	3	18
56	5,961	8	714	129	1	128	48	3	33	19	1	17	23	3	18
57	5,894	7	680	147	2	145	50	6	35	20	1	19	22	3	17
58	5,968	13	682	148	0	148	40	2	27	27	1	20	36	4	27
59	6,235	13	694	153	3	150	52	5	34	20	0	14	24	6	15
60	6,100	12	732	141	4	137	61	5	45	15	0	10	15	1	13
61	5,812	13	690	116	0	116	48	4	31	19	2	14	31	4	25
62	5,579	8	660	118	1	117	43	3	33	17	0	15	22	4	15
63	5,371	9	612	106	0	106	37	0	29	14	0	12	28	4	23
64	5,004	8	589	121	1	120	41	2	30	20	0	19	38	3	34
65	4,904	12	590	125	1	124	39	3	27	11	0	9	23	3	17
66	4,592	12	520	136	2	134	44	5	33	19	0	15	18	1	14
67	4,239	9	536	119	1	118	40	2	28	8	0	8	31	4	25
68	3,962	8	454	104	0	104	40	4	24	17	0	13	27	6	17
69	3,680	11	432	92	1	91	35	2	28	12	1	8	24	4	20
70	3,386	12	410	103	2	101	33	2	22	7	0	5	11	3	8
71	3,344	12	377	108	3	105	18	0	13	12	0	11	16	1	15
72	3,123	8	402	98	1	97	17	2	11	10	1	8	15	2	9
73	2,779	8	373	90	1	89	12	3	5	10	1	8	15	2	13
74	2,827	10	346	85	2	83	20	1	15	5	0	4	19	3	16
75	2,573	9	323	87	3	84	7	0	5	7	0	7	15	2	11
76	2,626	4	347	89	1	88	6	0	5	8	0	7	11	0	9

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	1,868	2	242	78	0	78	11	0	8	2	0	2	7	2	5
78	1,761	6	228	69	4	65	7	0	6	2	1	1	8	2	5
79	1,645	7	236	57	1	56	1	0	1	3	0	3	8	0	8
80	1,587	7	228	53	3	50	2	0	2	1	0	1	13	2	10
81	1,347	4	205	57	1	56	1	0	0	2	0	2	4	0	3
82	1,171	3	175	62	2	60	2	0	1	4	0	2	6	1	3
83	963	3	126	34	0	34	2	0	1	0	0	0	4	0	4
84	854	5	129	46	3	43	0	0	0	0	0	0	4	2	2
85	727	3	115	34	1	33	1	0	1	0	0	0	5	1	3
86	600	4	97	24	1	23	0	0	0	1	0	1	3	0	2
87	445	6	70	24	0	24	0	0	0	2	0	2	3	0	3
88	424	2	68	24	2	22	0	0	0	0	0	0	1	0	1
89	341	4	57	12	1	11	0	0	0	1	0	1	1	1	0
90	233	2	29	10	1	9	1	1	0	0	0	0	0	0	0
91	193	1	31	12	1	11	0	0	0	0	0	0	3	0	3
92	139	1	28	13	2	11	0	0	0	0	0	0	1	0	1
93	112	4	21	11	1	10	0	0	0	0	0	0	0	0	0
94	74	0	12	4	0	4	0	0	0	0	0	0	0	0	0
95	52	0	7	5	0	5	0	0	0	0	0	0	0	0	0
96	32	0	5	1	0	1	0	0	0	1	0	1	0	0	0
97	12	0	1	2	0	2	0	0	0	0	0	0	0	0	0
98	10	0	1	0	0	0	0	0	0	0	0	0	0	0	0
99	20	0	1	3	0	3	0	0	0	0	0	0	0	0	0
100	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0
101	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0
102	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	0	0	0	1	0	1	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	0	0	0	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	0	0	0	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	45,437	0	22	13	0	13	117	0	3	51	0	1	38	0	2
TOTAL	484,281	715	51,609	16,769	173	16,596	3,416	165	2,394	1,487	24	1,136	2,224	183	1,743
	*Includes 46,709 drivers with unknown injury severity and 385,248 with no injury						*Includes 113 motorcyclists with unknown injury severity and 744 with no injury			*Includes 55 bicyclists with unknown injury severity and 272 with no injury			*Includes 74 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	28,667	59.2	103	78.0	6,004	60.9
Turning Left	4,735	9.8	10	7.6	1,374	13.9
Turning Right	1,677	3.5	0	0.0	225	2.3
Stopped on Roadway	2,563	5.3	0	0.0	481	4.9
Involved in Prior Crash at Same Location	25	0.1	0	0.0	10	0.1
Changing Lanes	1,887	3.9	0	0.0	201	2.0
Backing	703	1.5	0	0.0	26	0.3
Slowing/Stopping on Roadway	4,280	8.8	1	0.8	724	7.3
Slowing/Stopping Other Area	47	0.1	0	0.0	6	0.1
Starting Up on Roadway	886	1.8	0	0.0	177	1.8
Starting Up in Other Area	6	0.0	0	0.0	3	0.0
Entering Parking	18	0.0	0	0.0	1	0.0
Leaving Parking	107	0.2	0	0.0	15	0.2
Entering Roadway	723	1.5	2	1.5	158	1.6
Leaving Roadway	41	0.1	1	0.8	8	0.1
Making U-Turn	113	0.2	1	0.8	29	0.3
Overtaking or Passing	323	0.7	5	3.8	69	0.7
Avoiding Object	63	0.1	0	0.0	19	0.2
Avoiding Pedestrian	7	0.0	0	0.0	4	0.0
Avoiding Vehicle (front/back)	314	0.6	0	0.0	60	0.6
Avoiding Vehicle (angle)	119	0.2	0	0.0	22	0.2
Driverless Moving	2	0.0	0	0.0	1	0.0
Parked	163	0.3	1	0.8	17	0.2
Crossing at Intersection	17	0.0	0	0.0	5	0.1
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	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 Work in Roadway	1	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	1	0.0
Not in Roadway	3	0.0	0	0.0	1	0.0
Other	31	0.1	0	0.0	7	0.1
Unknown	55	0.1	1	0.8	16	0.2
Avoiding Animal	125	0.3	0	0.0	29	0.3
Negotiating a Curve	711	1.5	7	5.3	158	1.6
Uncoded & Errors	0	0.0	0	0.0	0	0.0
TOTAL	48,415	100.0	132	100.0	9,851	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	544	1.1	1	0.8	146	1.5
Cross Centerline	75	0.2	1	0.8	22	0.2
Cross Median	10	0.0	0	0.0	1	0.0
Ran Off Roadway Left	189	0.4	0	0.0	42	0.4
Ran Off Roadway Right	266	0.5	0	0.0	56	0.6
Re-Enter Roadway	21	0.0	0	0.0	2	0.0
Overturn	865	1.8	7	5.3	376	3.8
Separation of Units	17	0.0	0	0.0	4	0.0
Fire/Explosion	48	0.1	1	0.8	11	0.1
Immersion	16	0.0	0	0.0	3	0.0
Jackknife	7	0.0	0	0.0	2	0.0
Downhill Runaway	0	0.0	0	0.0	0	0.0
Cargo Loss/Shift	26	0.1	0	0.0	1	0.0
Individual Fell from Vehicle	25	0.1	0	0.0	21	0.2
Equipment Failure (blown tire, brake failure, etc.)	45	0.1	0	0.0	6	0.1
Other Noncollision	66	0.1	0	0.0	17	0.2
SUBTOTAL	2,220	4.6	10	7.6	710	7.2

For drivers age 16-20, an overturn is the most common harmful event in a noncollision with the highest proportion of all crashes (1.8%), fatal crashes (5.3%), and injury crashes (3.8%).

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	125	0.3	14	10.6	102	1.0
Bicyclist	113	0.2	3	2.3	87	0.9
Motor Vehicle in Transport (in motion or on roadway)	35,515	73.4	79	59.8	7,660	77.8
Parked Motor Vehicle	857	1.8	1	0.8	96	1.0
Work Zone/Maintenance Equipment	11	0.0	0	0.0	3	0.0
Cargo Falling/Shifting/Anything Set in Motion by a Motor Vehicle	23	0.0	0	0.0	4	0.0
Railroad Train	5	0.0	0	0.0	3	0.0
Animal	4,175	8.6	0	0.0	81	0.8
Other Nonfixed Object	279	0.6	0	0.0	25	0.3
SUBTOTAL	41,103	84.9	97	73.5	8,061	81.8

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/Support	12	0.0	0	0.0	0	0.0
Bridge Rail	30	0.1	0	0.0	4	0.0
Bridge Overhead Structure	1	0.0	0	0.0	0	0.0
Guardrail Face	387	0.8	1	0.8	63	0.6
Guardrail End	64	0.1	0	0.0	16	0.2
Cable Barrier	95	0.2	0	0.0	9	0.1
Concrete Barrier	590	1.2	0	0.0	151	1.5
Traffic Sign/Post	367	0.8	0	0.0	23	0.2
Traffic Signal Equipment	23	0.0	0	0.0	7	0.1
Utility Pole/Light Support	383	0.8	0	0.0	98	1.0
Other Post/Pole/Support	129	0.3	0	0.0	21	0.2
Culvert	49	0.1	1	0.8	18	0.2
Curb	242	0.5	0	0.0	22	0.2
Ditch	919	1.9	0	0.0	163	1.7
Embankment	99	0.2	1	0.8	20	0.2
Fence	85	0.2	0	0.0	9	0.1
Mailbox	170	0.4	0	0.0	10	0.1
Tree	1,163	2.4	22	16.7	387	3.9
Railroad Crossing Signal	5	0.0	0	0.0	0	0.0
Building	51	0.1	0	0.0	20	0.2
Traffic Island	3	0.0	0	0.0	0	0.0
Fire Hydrant	55	0.1	0	0.0	6	0.1
Impact Attenuator (crash cushion)	16	0.0	0	0.0	4	0.0
Other Fixed Object	154	0.3	0	0.0	29	0.3
SUBTOTAL	5,092	10.5	25	18.9	1,080	11.0

For drivers age 16-20, a tree is the fixed object associated with the highest proportion of all crashes (2.4%), fatal crashes (16.7%), and injury crashes (3.9%).

	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Uncoded & Errors	0	0.0	0	0.0	0	0.0
No Event Coded as Most Harmful	0	0.0	0	0.0	0	0.0
MOST HARMFUL EVENT TOTAL	48,415	100.0	132	100.0	9,851	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 Motor Vehicle	10,971	22.7	41	31.1	1,713	17.4
Head-On	522	1.1	15	11.4	255	2.6
Head-On - Left Turn	1,886	3.9	6	4.5	823	8.4
Angle	10,530	21.7	43	32.6	3,173	32.2
Rear-End	14,495	29.9	10	7.6	2,599	26.4
Rear-End - Left Turn	468	1.0	0	0.0	109	1.1
Rear-End - Right Turn	340	0.7	0	0.0	32	0.3
Sideswipe - Same Direction	6,089	12.6	2	1.5	561	5.7
Sideswipe - Opposite Directions	758	1.6	1	0.8	144	1.5
Backing	822	1.7	0	0.0	19	0.2
Other	1,465	3.0	14	10.6	413	4.2
Unknown	69	0.1	0	0.0	10	0.1
Uncoded & Errors	0	0.0	0	0.0	0	0.0
TOTAL	48,415	100.0	132	100.0	9,851	100.0

Rear-end crashes are the most common type of crash that drivers age 16-20 are involved in for all crashes (29.9%). For fatal crashes, the largest proportion of drivers age 16-20 are involved in angle crashes (32.6%) and for injury crashes, the largest proportion of drivers age 16-20 are involved in angle crashes (32.2%).

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 the Road	44,607	92.1	109	82.6	8,989	91.2
In the Median	265	0.5	2	1.5	53	0.5
On the Shoulder	1,025	2.1	1	0.8	220	2.2
Outside of the Shoulder/Curb-Line	2,136	4.4	17	12.9	531	5.4
In the Gore (area between ramp and freeway convergence)	64	0.1	2	1.5	15	0.2
On-Street Parking	193	0.4	0	0.0	9	0.1
Off the Roadway	1	0.0	0	0.0	0	0.0
On the Sidewalk	33	0.1	0	0.0	17	0.2
In the Bicycle Lane	6	0.0	1	0.8	1	0.0
Other/Unknown	85	0.2	0	0.0	16	0.2
Uncoded & Errors	0	0.0	0	0.0	0	0.0
TOTAL	48,415	100.0	132	100.0	9,851	100.0

Other than crashes that occurred on the road, drivers age 16-20 are most commonly involved in crashes where the first impact is outside the shoulder/curb-line for all crashes (4.4%), fatal crashes (12.9%), and injury crashes (5.4%).

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	5,259	10.9	10	7.6	1,067	10.8
U.S. & Michigan Roads	14,454	29.9	38	28.8	2,966	30.1
County & City Roads	28,678	59.2	84	63.6	5,808	59.0
Uncoded & Errors	24	0.0	0	0.0	10	0.1
TOTAL	48,415	100.0	132	100.0	9,851	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 - 2:59 AM	1,863	3.8	16	12.1	460	4.7
3:00 AM - 5:59 AM	1,009	2.1	9	6.8	234	2.4
6:00 AM - 8:59 AM	5,933	12.3	11	8.3	1,014	10.3
9:00 AM - 11:59 AM	4,879	10.1	8	6.1	938	9.5
12:00 PM - 2:59 PM	8,950	18.5	17	12.9	1,833	18.6
3:00 PM - 5:59 PM	12,809	26.5	23	17.4	2,687	27.3
6:00 PM - 8:59 PM	7,967	16.5	26	19.7	1,633	16.6
9:00 PM - 11:59 PM	5,002	10.3	22	16.7	1,052	10.7
Unknown	3	0.0	0	0.0	0	0.0
TOTAL	48,415	100.0	132	100.0	9,851	100.0

For drivers age 16-20, the 3:00 PM - 5:59 PM time period has the highest proportion of all crashes (26.5%) and injury crashes (27.3%). For fatal crashes, drivers age 16-20 have the highest proportion during the 6:00 PM - 8:59 PM time period (19.7%).

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	19,272	39.8	30	22.7	3,271	33.2	89	0.7
Speed Too Fast	4,309	8.9	28	21.2	948	9.6	1,318	10.0
Speed Too Slow	12	0.0	0	0.0	2	0.0	5	0.0
Failed to Yield	6,697	13.8	13	9.8	1,826	18.5	3,585	27.3
Disregard Traffic Control	1,345	2.8	6	4.5	587	6.0	789	6.0
Drove Wrong Way	25	0.1	0	0.0	9	0.1	12	0.1
Drove Left of Center	243	0.5	6	4.5	86	0.9	94	0.7
Improper Passing	289	0.6	2	1.5	39	0.4	110	0.8
Improper Lane Use	1,418	2.9	1	0.8	160	1.6	646	4.9
Improper Turn	659	1.4	0	0.0	115	1.2	289	2.2
Improper/No Signal	42	0.1	0	0.0	4	0.0	12	0.1
Improper Backing	535	1.1	0	0.0	11	0.1	137	1.0
Unable to Stop in Assured Clear Distance	9,283	19.2	1	0.8	1,587	16.1	4,731	36.0
Other	1,488	3.1	5	3.8	350	3.6	452	3.4
Unknown	1,062	2.2	11	8.3	258	2.6	36	0.3
Reckless Driving	303	0.6	21	15.9	133	1.4	91	0.7
Careless/Negligent Driving	1,425	2.9	8	6.1	464	4.7	745	5.7
Uncoded & Errors	8	0.0	0	0.0	1	0.0	1	0.0
TOTAL	48,415	100.0	132	100.0	9,851	100.0	13,142	100.0

After no hazardous action, the second highest known hazardous action category for drivers age 16-20 for all crashes (19.2%) occurs when the driver is unable to stop in an assured clear distance. For drivers age 16-20 in fatal crashes, the second highest known category is speed too fast (21.2%). For drivers age 16-20 in injury crashes, the second highest known category is failed to yield (18.5%).

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	6,719	13.9	19	14.4	1,289	13.1
Tuesday	7,303	15.1	16	12.1	1,468	14.9
Wednesday	7,186	14.8	18	13.6	1,451	14.7
Thursday	7,679	15.9	21	15.9	1,517	15.4
Friday	8,229	17.0	15	11.4	1,625	16.5
Saturday	6,008	12.4	24	18.2	1,302	13.2
Sunday	5,291	10.9	19	14.4	1,199	12.2
TOTAL	48,415	100.0	132	100.0	9,851	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	27,106	56.0	94	71.2	5,535	56.2
Female	21,245	43.9	38	28.8	4,307	43.7
Non-Binary	49	0.1	0	0.0	6	0.1
Uncoded & Errors	15	0.0	0	0.0	3	0.0
TOTAL	48,415	100.0	132	100.0	9,851	100.0

For drivers age 16-20 in fatal crashes, male drivers (71.2%) account for 2.5 times that of female drivers (28.8%).

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	37,028	76.5	87	65.9	6,725	68.3
2 occupants	8,415	17.4	27	20.5	2,190	22.2
3 occupants	1,911	3.9	5	3.8	589	6.0
4 occupants	687	1.4	10	7.6	238	2.4
5 occupants	194	0.4	2	1.5	77	0.8
6+ occupants	63	0.1	1	0.8	26	0.3
0 occupants	80	0.2	0	0.0	2	0.0
Uncoded & Errors	37	0.1	0	0.0	4	0.0
TOTAL	48,415	100.0	132	100.0	9,851	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, SUV, Van	43,366	89.6	103	78.0	8,682	88.1
Motor Home	88	0.2	0	0.0	21	0.2
Pickup Truck	4,188	8.7	18	13.6	790	8.0
Small Truck Under 10,000 lbs. GVWR	116	0.2	0	0.0	25	0.3
Motorcycle	204	0.4	6	4.5	154	1.6
Moped/Goped	46	0.1	0	0.0	34	0.3
Go-Cart/Golf Cart	9	0.0	0	0.0	7	0.1
Snowmobile	6	0.0	0	0.0	4	0.0
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	65	0.1	4	3.0	51	0.5
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	55	0.1	0	0.0	11	0.1
Uncoded & Errors	18	0.0	0	0.0	4	0.0
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard) (breakdown below)	254	0.5	1	0.8	68	0.7
TOTAL	48,415	100.0	132	100.0	9,851	100.0

HEAVY TRUCK/BUS GROSS VEHICLE WEIGHT RATING	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
10,000 lbs. or Less	1	0.4	0	0.0	0	0.0
10,001-26,000 lbs.	174	68.5	1	100.0	53	77.9
Greater Than 26,000 lbs.	74	29.1	0	0.0	14	20.6
Uncoded & Errors	5	2.0	0	0.0	1	1.5
TOTAL	254	100.0	1	100.0	68	100.0

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	201,844	60.6	850	73.2	41,101	60.8
Turning Left	23,207	7.0	71	6.1	6,279	9.3
Turning Right	9,725	2.9	16	1.4	1,473	2.2
Stopped on Roadway	29,541	8.9	38	3.3	6,572	9.7
Involved in Prior Crash at Same Location	135	0.0	2	0.2	47	0.1
Changing Lanes	10,426	3.1	21	1.8	1,235	1.8
Backing	5,605	1.7	2	0.2	205	0.3
Slowing/Stopping on Roadway	29,029	8.7	20	1.7	5,679	8.4
Slowing/Stopping Other Area	371	0.1	1	0.1	79	0.1
Starting Up on Roadway	4,974	1.5	11	0.9	1,110	1.6
Starting Up in Other Area	47	0.0	0	0.0	13	0.0
Entering Parking	235	0.1	0	0.0	29	0.0
Leaving Parking	602	0.2	1	0.1	109	0.2
Entering Roadway	3,093	0.9	9	0.8	683	1.0
Leaving Roadway	354	0.1	2	0.2	112	0.2
Making U-Turn	782	0.2	2	0.2	178	0.3
Overtaking or Passing	2,000	0.6	23	2.0	367	0.5
Avoiding Object	336	0.1	0	0.0	81	0.1
Avoiding Pedestrian	56	0.0	3	0.3	32	0.0
Avoiding Vehicle (front/back)	1,897	0.6	13	1.1	474	0.7
Avoiding Vehicle (angle)	875	0.3	4	0.3	210	0.3
Driverless Moving	69	0.0	0	0.0	14	0.0
Parked	3,091	0.9	5	0.4	347	0.5
Crossing at Intersection	52	0.0	0	0.0	23	0.0
Crossing Not at Intersection	5	0.0	0	0.0	2	0.0
Getting On/Off Vehicle	3	0.0	0	0.0	1	0.0
In Roadway With Traffic	20	0.0	0	0.0	10	0.0
In Roadway Against Traffic	10	0.0	0	0.0	2	0.0
Standing/Lying in Roadway	3	0.0	0	0.0	1	0.0
Pushing/Working on Vehicle	2	0.0	0	0.0	1	0.0
Other Work in Roadway	6	0.0	0	0.0	2	0.0
Playing in Roadway	1	0.0	0	0.0	0	0.0
In Roadway Other Reason	9	0.0	0	0.0	1	0.0
Not in Roadway	28	0.0	0	0.0	17	0.0
Other	368	0.1	7	0.6	92	0.1
Unknown	569	0.2	3	0.3	110	0.2
Avoiding Animal	481	0.1	0	0.0	110	0.2
Negotiating a Curve	3,032	0.9	57	4.9	758	1.1
Uncoded & Errors	13	0.0	0	0.0	3	0.0
TOTAL	332,896	100.0	1,161	100.0	67,562	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	2,478	0.7	9	0.8	744	1.1
Cross Centerline	486	0.1	1	0.1	152	0.2
Cross Median	77	0.0	1	0.1	20	0.0
Ran Off Roadway Left	747	0.2	1	0.1	200	0.3
Ran Off Roadway Right	1,266	0.4	3	0.3	310	0.5
Re-Enter Roadway	119	0.0	1	0.1	23	0.0
Overturn	3,261	1.0	61	5.3	1,660	2.5
Separation of Units	234	0.1	0	0.0	39	0.1
Fire/Explosion	360	0.1	13	1.1	35	0.1
Immersion	113	0.0	1	0.1	10	0.0
Jackknife	143	0.0	0	0.0	14	0.0
Downhill Runaway	3	0.0	0	0.0	0	0.0
Cargo Loss/Shift	287	0.1	0	0.0	16	0.0
Individual Fell from Vehicle	263	0.1	8	0.7	231	0.3
Equipment Failure (blown tire, brake failure, etc.)	343	0.1	1	0.1	34	0.1
Other Noncollision	647	0.2	0	0.0	113	0.2
SUBTOTAL	10,827	3.3	100	8.6	3,601	5.3

For drivers age 21-64, an overturn is the most common harmful event in a noncollision with the highest proportion of all crashes (1.0%), fatal crashes (5.3%), and injury crashes (2.5%).

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	1,062	0.3	124	10.7	832	1.2
Bicyclist	819	0.2	17	1.5	621	0.9
Motor Vehicle in Transport (in motion or on roadway)	238,246	71.6	729	62.8	54,501	80.7
Parked Motor Vehicle	7,100	2.1	8	0.7	824	1.2
Work Zone/Maintenance Equipment	76	0.0	1	0.1	12	0.0
Cargo Falling/Shifting/Anything Set in Motion by a Motor Vehicle	448	0.1	5	0.4	32	0.0
Railroad Train	37	0.0	1	0.1	15	0.0
Animal	48,037	14.4	11	0.9	1,069	1.6
Other Nonfixed Object	3,019	0.9	5	0.4	274	0.4
SUBTOTAL	298,844	89.8	901	77.6	58,180	86.1

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/Support	122	0.0	2	0.2	34	0.1
Bridge Rail	155	0.0	0	0.0	30	0.0
Bridge Overhead Structure	37	0.0	1	0.1	6	0.0
Guardrail Face	1,678	0.5	4	0.3	321	0.5
Guardrail End	376	0.1	0	0.0	97	0.1
Cable Barrier	481	0.1	1	0.1	55	0.1
Concrete Barrier	3,205	1.0	8	0.7	1,025	1.5
Traffic Sign/Post	1,505	0.5	2	0.2	138	0.2
Traffic Signal Equipment	151	0.0	1	0.1	25	0.0
Utility Pole/Light Support	1,997	0.6	12	1.0	608	0.9
Other Post/Pole/Support	636	0.2	2	0.2	115	0.2
Culvert	229	0.1	4	0.3	89	0.1
Curb	1,074	0.3	2	0.2	160	0.2
Ditch	3,611	1.1	7	0.6	856	1.3
Embankment	502	0.2	12	1.0	158	0.2
Fence	410	0.1	2	0.2	69	0.1
Mailbox	676	0.2	0	0.0	40	0.1
Tree	4,641	1.4	89	7.7	1,542	2.3
Railroad Crossing Signal	33	0.0	0	0.0	6	0.0
Building	310	0.1	6	0.5	133	0.2
Traffic Island	24	0.0	0	0.0	3	0.0
Fire Hydrant	233	0.1	0	0.0	37	0.1
Impact Attenuator (crash cushion)	172	0.1	1	0.1	39	0.1
Other Fixed Object	963	0.3	4	0.3	195	0.3
SUBTOTAL	23,221	7.0	160	13.8	5,781	8.6

For drivers age 21-64, a tree is the fixed object associated with the highest proportion of all crashes (1.4%), fatal crashes (7.7%), and injury crashes (2.3%).

	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
Uncoded & Errors	2	0.0	0	0.0	0	0.0
No Event Coded as Most Harmful	2	0.0	0	0.0	0	0.0
MOST HARMFUL EVENT TOTAL	332,896	100.0	1,161	100.0	67,562	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 Motor Vehicle	79,598	23.9	337	29.0	9,730	14.4
Head-On	4,124	1.2	204	17.6	2,020	3.0
Head-On - Left Turn	9,886	3.0	60	5.2	4,308	6.4
Angle	61,781	18.6	262	22.6	20,116	29.8
Rear-End	96,171	28.9	136	11.7	20,794	30.8
Rear-End - Left Turn	2,744	0.8	4	0.3	642	1.0
Rear-End - Right Turn	2,544	0.8	3	0.3	364	0.5
Sideswipe - Same Direction	49,761	14.9	40	3.4	4,789	7.1
Sideswipe - Opposite Directions	6,296	1.9	18	1.6	1,076	1.6
Backing	7,157	2.1	0	0.0	183	0.3
Other	12,045	3.6	90	7.8	3,406	5.0
Unknown	789	0.2	7	0.6	134	0.2
Uncoded & Errors	0	0.0	0	0.0	0	0.0
TOTAL	332,896	100.0	1,161	100.0	67,562	100.0

Rear-end crashes are the most common type of crash that drivers age 21-64 are involved in for all crashes (28.9%) and injury crashes (30.8%). For fatal crashes, the largest proportion of drivers age 21-64 are involved in single motor vehicle crashes (29.0%).

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 the Road	314,081	94.3	1,011	87.1	63,203	93.5
In the Median	1,454	0.4	6	0.5	336	0.5
On the Shoulder	5,139	1.5	31	2.7	1,165	1.7
Outside of the Shoulder/Curb-Line	8,691	2.6	107	9.2	2,382	3.5
In the Gore (area between ramp and freeway convergence)	250	0.1	2	0.2	84	0.1
On-Street Parking	2,102	0.6	2	0.2	160	0.2
Off the Roadway	0	0.0	0	0.0	0	0.0
On the Sidewalk	241	0.1	1	0.1	101	0.1
In the Bicycle Lane	42	0.0	0	0.0	19	0.0
Other/Unknown	896	0.3	1	0.1	112	0.2
Uncoded & Errors	0	0.0	0	0.0	0	0.0
TOTAL	332,896	100.0	1,161	100.0	67,562	100.0

Other than crashes that occurred on the road, drivers age 21-64 are most commonly involved in crashes where the first impact is outside the shoulder/curb-line for all crashes (2.6%), fatal crashes (9.2%), and injury crashes (3.5%).

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	47,350	14.2	149	12.8	9,812	14.5
U.S. & Michigan Roads	106,423	32.0	426	36.7	21,805	32.3
County & City Roads	178,859	53.7	584	50.3	35,892	53.1
Uncoded & Errors	264	0.1	2	0.2	53	0.1
TOTAL	332,896	100.0	1,161	100.0	67,562	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 - 2:59 AM	12,519	3.8	121	10.4	3,126	4.6
3:00 AM - 5:59 AM	13,194	4.0	91	7.8	2,312	3.4
6:00 AM - 8:59 AM	50,870	15.3	126	10.9	8,211	12.2
9:00 AM - 11:59 AM	39,756	11.9	109	9.4	8,058	11.9
12:00 PM - 2:59 PM	57,101	17.2	144	12.4	12,407	18.4
3:00 PM - 5:59 PM	84,072	25.3	194	16.7	17,979	26.6
6:00 PM - 8:59 PM	49,623	14.9	195	16.8	9,935	14.7
9:00 PM - 11:59 PM	25,652	7.7	181	15.6	5,510	8.2
Unknown	109	0.0	0	0.0	24	0.0
TOTAL	332,896	100.0	1,161	100.0	67,562	100.0

For drivers age 21-64, the 3:00 PM - 5:59 PM time period has the highest proportion of all crashes (25.3%) and injury crashes (26.6%). For fatal crashes, drivers age 21-64 have the highest proportion during the 6:00 PM - 8:59 PM time period (16.8%).

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	193,852	58.2	516	44.4	34,540	51.1	562	1.0
Speed Too Fast	15,212	4.6	149	12.8	3,831	5.7	4,320	7.8
Speed Too Slow	102	0.0	1	0.1	30	0.0	23	0.0
Failed to Yield	28,766	8.6	59	5.1	7,690	11.4	14,294	25.7
Disregard Traffic Control	6,899	2.1	37	3.2	3,171	4.7	3,741	6.7
Drove Wrong Way	278	0.1	18	1.6	111	0.2	81	0.1
Drove Left of Center	1,509	0.5	36	3.1	524	0.8	515	0.9
Improper Passing	1,971	0.6	5	0.4	270	0.4	605	1.1
Improper Lane Use	8,891	2.7	11	0.9	1,130	1.7	3,439	6.2
Improper Turn	3,650	1.1	6	0.5	625	0.9	1,365	2.5
Improper/No Signal	290	0.1	0	0.0	37	0.1	83	0.1
Improper Backing	4,014	1.2	2	0.2	98	0.1	1,008	1.8
Unable to Stop in Assured Clear Distance	39,735	11.9	34	2.9	8,041	11.9	19,296	34.7
Other	9,892	3.0	32	2.8	2,378	3.5	2,556	4.6
Unknown	9,447	2.8	125	10.8	2,217	3.3	289	0.5
Reckless Driving	1,568	0.5	76	6.5	673	1.0	495	0.9
Careless/Negligent Driving	6,748	2.0	54	4.7	2,185	3.2	2,973	5.3
Uncoded & Errors	72	0.0	0	0.0	11	0.0	10	0.0
TOTAL	332,896	100.0	1,161	100.0	67,562	100.0	55,655	100.0

After no hazardous action, the second highest known hazardous action category for drivers age 21-64 for all crashes (11.9%) and injury crashes (11.9%) occurs when the driver is unable to stop in an assured clear distance. For drivers age 21-64 in fatal crashes, the second highest known category is speed too fast (12.8%).

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	47,531	14.3	160	13.8	9,373	13.9
Tuesday	51,842	15.6	141	12.1	10,056	14.9
Wednesday	51,960	15.6	167	14.4	9,994	14.8
Thursday	52,791	15.9	137	11.8	10,457	15.5
Friday	55,650	16.7	184	15.8	11,364	16.8
Saturday	39,974	12.0	185	15.9	8,973	13.3
Sunday	33,148	10.0	187	16.1	7,345	10.9
TOTAL	332,896	100.0	1,161	100.0	67,562	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	189,874	57.0	841	72.4	37,613	55.7
Female	142,777	42.9	319	27.5	29,910	44.3
Non-Binary	90	0.0	0	0.0	15	0.0
Uncoded & Errors	155	0.0	1	0.1	24	0.0
TOTAL	332,896	100.0	1,161	100.0	67,562	100.0

For drivers age 21-64 in fatal crashes, male drivers (72.4%) account for 2.6 times that of female drivers (27.5%).

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	268,744	80.7	856	73.7	49,610	73.4
2 occupants	43,893	13.2	210	18.1	12,081	17.9
3 occupants	11,285	3.4	46	4.0	3,464	5.1
4 occupants	4,613	1.4	28	2.4	1,497	2.2
5 occupants	1,431	0.4	12	1.0	465	0.7
6+ occupants	932	0.3	8	0.7	284	0.4
0 occupants	1,540	0.5	1	0.1	115	0.2
Uncoded & Errors	458	0.1	0	0.0	46	0.1
TOTAL	332,896	100.0	1,161	100.0	67,562	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, SUV, Van	269,541	81.0	735	63.3	55,065	81.5
Motor Home	793	0.2	0	0.0	135	0.2
Pickup Truck	42,751	12.8	166	14.3	7,180	10.6
Small Truck Under 10,000 lbs. GVWR	1,612	0.5	5	0.4	264	0.4
Motorcycle	2,509	0.8	140	12.1	1,842	2.7
Moped/Goped	283	0.1	11	0.9	224	0.3
Go-Cart/Golf Cart	27	0.0	3	0.3	14	0.0
Snowmobile	48	0.0	2	0.2	37	0.1
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	234	0.1	10	0.9	173	0.3
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	1,198	0.4	4	0.3	185	0.3
Uncoded & Errors	197	0.1	0	0.0	22	0.0
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard) (breakdown below)	13,703	4.1	85	7.3	2,421	3.6
TOTAL	332,896	100.0	1,161	100.0	67,562	100.0

HEAVY TRUCK/BUS GROSS VEHICLE WEIGHT RATING	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
10,000 lbs. or Less	29	0.2	0	0.0	1	0.0
10,001-26,000 lbs.	5,039	36.8	18	21.2	805	33.3
Greater Than 26,000 lbs.	8,570	62.5	67	78.8	1,613	66.6
Uncoded & Errors	65	0.5	0	0.0	2	0.1
TOTAL	13,703	100.0	85	100.0	2,421	100.0

DRIVER AGE 65 AND OLDER

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	30,952	54.6	207	70.4	6,508	55.0
Turning Left	6,074	10.7	37	12.6	1,765	14.9
Turning Right	2,532	4.5	1	0.3	371	3.1
Stopped on Roadway	4,864	8.6	8	2.7	1,070	9.0
Involved in Prior Crash at Same Location	20	0.0	0	0.0	7	0.1
Changing Lanes	2,312	4.1	2	0.7	189	1.6
Backing	1,426	2.5	1	0.3	42	0.4
Slowing/Stopping on Roadway	4,154	7.3	10	3.4	923	7.8
Slowing/Stopping Other Area	55	0.1	0	0.0	6	0.1
Starting Up on Roadway	1,094	1.9	5	1.7	267	2.3
Starting Up in Other Area	14	0.0	0	0.0	4	0.0
Entering Parking	74	0.1	0	0.0	11	0.1
Leaving Parking	170	0.3	0	0.0	27	0.2
Entering Roadway	961	1.7	4	1.4	234	2.0
Leaving Roadway	61	0.1	2	0.7	22	0.2
Making U-Turn	214	0.4	1	0.3	54	0.5
Overtaking or Passing	289	0.5	3	1.0	61	0.5
Avoiding Object	31	0.1	0	0.0	3	0.0
Avoiding Pedestrian	12	0.0	1	0.3	3	0.0
Avoiding Vehicle (front/back)	223	0.4	1	0.3	60	0.5
Avoiding Vehicle (angle)	123	0.2	1	0.3	23	0.2
Driverless Moving	16	0.0	0	0.0	3	0.0
Parked	385	0.7	0	0.0	39	0.3
Crossing at Intersection	10	0.0	0	0.0	6	0.1
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	6	0.0	0	0.0	2	0.0
In Roadway Against Traffic	4	0.0	0	0.0	2	0.0
Standing/Lying in Roadway	1	0.0	0	0.0	1	0.0
Pushing/Working on Vehicle	0	0.0	0	0.0	0	0.0
Other Work 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	6	0.0	0	0.0	4	0.0
Other	41	0.1	0	0.0	11	0.1
Unknown	91	0.2	4	1.4	21	0.2
Avoiding Animal	60	0.1	0	0.0	7	0.1
Negotiating a Curve	374	0.7	6	2.0	79	0.7
Uncoded & Errors	1	0.0	0	0.0	1	0.0
TOTAL	56,651	100.0	294	100.0	11,826	100.0

DRIVER AGE 65 AND OLDER (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	237	0.4	3	1.0	66	0.6
Cross Centerline	81	0.1	0	0.0	21	0.2
Cross Median	6	0.0	0	0.0	2	0.0
Ran Off Roadway Left	108	0.2	2	0.7	25	0.2
Ran Off Roadway Right	183	0.3	3	1.0	43	0.4
Re-Enter Roadway	23	0.0	0	0.0	4	0.0
Overturn	276	0.5	9	3.1	169	1.4
Separation of Units	43	0.1	0	0.0	9	0.1
Fire/Explosion	34	0.1	0	0.0	4	0.0
Immersion	18	0.0	0	0.0	4	0.0
Jackknife	14	0.0	0	0.0	1	0.0
Downhill Runaway	1	0.0	0	0.0	0	0.0
Cargo Loss/Shift	31	0.1	0	0.0	4	0.0
Individual Fell from Vehicle	38	0.1	5	1.7	31	0.3
Equipment Failure (blown tire, brake failure, etc.)	37	0.1	0	0.0	1	0.0
Other Noncollision	88	0.2	1	0.3	14	0.1
SUBTOTAL	1,218	2.2	23	7.8	398	3.4

For drivers age 65 and older, an overturn is the most common harmful event in a noncollision with the highest proportion of drivers in all crashes (0.5%), fatal crashes (3.1%), and injury crashes (1.4%).

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	276	0.5	18	6.1	215	1.8
Bicyclist	213	0.4	4	1.4	165	1.4
Motor Vehicle in Transport (in motion or on roadway)	42,665	75.3	192	65.3	9,884	83.6
Parked Motor Vehicle	1,378	2.4	3	1.0	111	0.9
Work Zone/Maintenance Equipment	22	0.0	0	0.0	2	0.0
Cargo Falling/Shifting/Anything Set in Motion by a Motor Vehicle	52	0.1	0	0.0	4	0.0
Railroad Train	17	0.0	2	0.7	7	0.1
Animal	7,548	13.3	3	1.0	183	1.5
Other Nonfixed Object	468	0.8	1	0.3	49	0.4
SUBTOTAL	52,639	92.9	223	75.9	10,620	89.8

DRIVER AGE 65 AND OLDER (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/Support	15	0.0	0	0.0	7	0.1
Bridge Rail	18	0.0	0	0.0	4	0.0
Bridge Overhead Structure	0	0.0	0	0.0	0	0.0
Guardrail Face	126	0.2	0	0.0	31	0.3
Guardrail End	35	0.1	0	0.0	9	0.1
Cable Barrier	46	0.1	0	0.0	9	0.1
Concrete Barrier	180	0.3	2	0.7	58	0.5
Traffic Sign/Post	221	0.4	0	0.0	19	0.2
Traffic Signal Equipment	24	0.0	0	0.0	6	0.1
Utility Pole/Light Support	244	0.4	0	0.0	91	0.8
Other Post/Pole/Support	90	0.2	0	0.0	13	0.1
Culvert	38	0.1	3	1.0	10	0.1
Curb	125	0.2	3	1.0	22	0.2
Ditch	481	0.8	2	0.7	134	1.1
Embankment	56	0.1	0	0.0	23	0.2
Fence	38	0.1	0	0.0	9	0.1
Mailbox	125	0.2	1	0.3	5	0.0
Tree	650	1.1	30	10.2	266	2.2
Railroad Crossing Signal	10	0.0	0	0.0	1	0.0
Building	64	0.1	6	2.0	32	0.3
Traffic Island	1	0.0	0	0.0	0	0.0
Fire Hydrant	38	0.1	0	0.0	11	0.1
Impact Attenuator (crash cushion)	24	0.0	0	0.0	8	0.1
Other Fixed Object	144	0.3	1	0.3	39	0.3
SUBTOTAL	2,793	4.9	48	16.3	807	6.8

For drivers age 65 and older, a tree is the fixed object associated with the highest proportion of drivers in all crashes (1.1%), fatal crashes (10.2%), 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
Uncoded & Errors	0	0.0	0	0.0	0	0.0
No Event Coded as Most Harmful	1	0.0	0	0.0	1	0.0
MOST HARMFUL EVENT TOTAL	56,651	100.0	294	100.0	11,826	100.0

DRIVER AGE 65 AND OLDER (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 Motor Vehicle	11,423	20.2	79	26.9	1,421	12.0
Head-On	635	1.1	37	12.6	316	2.7
Head-On - Left Turn	2,165	3.8	18	6.1	997	8.4
Angle	13,308	23.5	86	29.3	4,140	35.0
Rear-End	13,728	24.2	33	11.2	3,176	26.9
Rear-End - Left Turn	515	0.9	3	1.0	133	1.1
Rear-End - Right Turn	434	0.8	2	0.7	63	0.5
Sideswipe - Same Direction	9,209	16.3	9	3.1	745	6.3
Sideswipe - Opposite Directions	1,204	2.1	8	2.7	186	1.6
Backing	1,729	3.1	0	0.0	36	0.3
Other	2,176	3.8	19	6.5	591	5.0
Unknown	125	0.2	0	0.0	22	0.2
Uncoded & Errors	0	0.0	0	0.0	0	0.0
TOTAL	56,651	100.0	294	100.0	11,826	100.0

Rear-end crashes are the most common type of crash that drivers age 65 and older are involved in for all crashes (24.2%). Angle crashes are the most common type of crash that drivers age 65 and older are involved in for fatal crashes (29.3%) and injury crashes (35.0%).

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 the Road	53,925	95.2	256	87.1	11,190	94.6
In the Median	146	0.3	1	0.3	34	0.3
On the Shoulder	708	1.2	3	1.0	163	1.4
Outside of the Shoulder/Curb-Line	1,165	2.1	30	10.2	353	3.0
In the Gore (area between ramp and freeway convergence)	44	0.1	2	0.7	15	0.1
On-Street Parking	477	0.8	0	0.0	31	0.3
Off the Roadway	0	0.0	0	0.0	0	0.0
On the Sidewalk	43	0.1	1	0.3	26	0.2
In the Bicycle Lane	8	0.0	1	0.3	2	0.0
Other/Unknown	135	0.2	0	0.0	12	0.1
Uncoded & Errors	0	0.0	0	0.0	0	0.0
TOTAL	56,651	100.0	294	100.0	11,826	100.0

Other than crashes that occurred on the road, drivers age 65 and older are most commonly involved in crashes where the first impact is outside the shoulder/curb-line for all crashes (2.1%), fatal crashes (10.2%), and injury crashes (3.0%).

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	5,295	9.3	31	10.5	1,094	9.3
U.S. & Michigan Roads	18,844	33.3	106	36.1	4,038	34.1
County & City Roads	32,471	57.3	157	53.4	6,685	56.5
Uncoded & Errors	41	0.1	0	0.0	9	0.1
TOTAL	56,651	100.0	294	100.0	11,826	100.0

DRIVER AGE 65 AND OLDER (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 - 2:59 AM	707	1.2	7	2.4	137	1.2
3:00 AM - 5:59 AM	820	1.4	7	2.4	137	1.2
6:00 AM - 8:59 AM	5,069	8.9	14	4.8	818	6.9
9:00 AM - 11:59 AM	10,271	18.1	56	19.0	2,226	18.8
12:00 PM - 2:59 PM	14,547	25.7	82	27.9	3,343	28.3
3:00 PM - 5:59 PM	15,001	26.5	64	21.8	3,256	27.5
6:00 PM - 8:59 PM	7,522	13.3	42	14.3	1,425	12.0
9:00 PM - 11:59 PM	2,696	4.8	21	7.1	483	4.1
Unknown	18	0.0	1	0.3	1	0.0
TOTAL	56,651	100.0	294	100.0	11,826	100.0

For drivers age 65 and older, the 3:00 PM - 5:59 PM time period has the highest proportion of all crashes (26.5%). The 12:00 PM - 2:59 PM time period has the highest proportion of fatal crashes (27.9%) and injury crashes (28.3%).

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	30,995	54.7	113	38.4	5,750	48.6	62	0.6
Speed Too Fast	1,128	2.0	15	5.1	311	2.6	271	2.8
Speed Too Slow	20	0.0	0	0.0	3	0.0	3	0.0
Failed to Yield	8,743	15.4	43	14.6	2,403	20.3	4,056	41.6
Disregard Traffic Control	1,418	2.5	19	6.5	564	4.8	714	7.3
Drove Wrong Way	57	0.1	1	0.3	16	0.1	19	0.2
Drove Left of Center	324	0.6	19	6.5	111	0.9	97	1.0
Improper Passing	341	0.6	3	1.0	42	0.4	95	1.0
Improper Lane Use	2,030	3.6	4	1.4	228	1.9	761	7.8
Improper Turn	1,075	1.9	4	1.4	168	1.4	389	4.0
Improper/No Signal	70	0.1	1	0.3	12	0.1	21	0.2
Improper Backing	1,080	1.9	1	0.3	21	0.2	239	2.5
Unable to Stop in Assured Clear Distance	5,048	8.9	11	3.7	1,129	9.5	2,230	22.9
Other	1,697	3.0	22	7.5	391	3.3	373	3.8
Unknown	1,583	2.8	23	7.8	373	3.2	28	0.3
Reckless Driving	68	0.1	3	1.0	36	0.3	20	0.2
Careless/Negligent Driving	961	1.7	12	4.1	267	2.3	362	3.7
Uncoded & Errors	13	0.0	0	0.0	1	0.0	4	0.0
TOTAL	56,651	100.0	294	100.0	11,826	100.0	9,744	100.0

After no hazardous action, the second highest known hazardous action category for drivers age 65 and older for all crashes (15.4%), fatal crashes (14.6%), and injury crashes (20.3%) occurs when the driver failed to yield.

DRIVER AGE 65 AND OLDER (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	8,064	14.2	34	11.6	1,697	14.3
Tuesday	9,033	15.9	44	15.0	1,864	15.8
Wednesday	9,085	16.0	46	15.6	1,895	16.0
Thursday	9,304	16.4	41	13.9	1,872	15.8
Friday	9,604	17.0	52	17.7	1,999	16.9
Saturday	6,464	11.4	43	14.6	1,420	12.0
Sunday	5,097	9.0	34	11.6	1,079	9.1
TOTAL	56,651	100.0	294	100.0	11,826	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	32,332	57.1	216	73.5	6,682	56.5
Female	24,299	42.9	78	26.5	5,142	43.5
Non-Binary	0	0.0	0	0.0	0	0.0
Uncoded & Errors	20	0.0	0	0.0	2	0.0
TOTAL	56,651	100.0	294	100.0	11,826	100.0

For drivers age 65 and older, male drivers (73.5%) account for 2.8 times that of female drivers (26.5%) 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	45,870	81.0	212	72.1	8,913	75.4
2 occupants	9,100	16.1	75	25.5	2,449	20.7
3 occupants	937	1.7	5	1.7	296	2.5
4 occupants	295	0.5	0	0.0	103	0.9
5 occupants	53	0.1	0	0.0	17	0.1
6+ occupants	126	0.2	2	0.7	25	0.2
0 occupants	202	0.4	0	0.0	17	0.1
Uncoded & Errors	68	0.1	0	0.0	6	0.1
TOTAL	56,651	100.0	294	100.0	11,826	100.0

DRIVER AGE 65 AND OLDER (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, SUV, Van	47,640	84.1	195	66.3	10,016	84.7
Motor Home	182	0.3	1	0.3	25	0.2
Pickup Truck	7,056	12.5	52	17.7	1,278	10.8
Small Truck Under 10,000 lbs. GVWR	186	0.3	2	0.7	32	0.3
Motorcycle	321	0.6	26	8.8	230	1.9
Moped/Goped	25	0.0	0	0.0	21	0.2
Go-Cart/Golf Cart	2	0.0	0	0.0	1	0.0
Snowmobile	5	0.0	0	0.0	3	0.0
Off-Road Vehicle (ORV)/All-Terrain Vehicle (ATV)	37	0.1	7	2.4	17	0.1
Other (non-registered farm equipment, construction equipment, snow plows, etc.)	145	0.3	3	1.0	21	0.2
Uncoded & Errors	25	0.0	0	0.0	2	0.0
Truck/Bus (over 10,000 lbs. GVWR/8+ occupants/hazmat placard) (breakdown below)	1,027	1.8	8	2.7	180	1.5
TOTAL	56,651	100.0	294	100.0	11,826	100.0

HEAVY TRUCK/BUS GROSS VEHICLE WEIGHT RATING	ALL CRASHES		FATAL CRASHES		INJURY CRASHES	
	Number of Drivers	% of Total	Number of Drivers	% of Total	Number of Drivers	% of Total
10,000 lbs. or Less	2	0.2	0	0.0	0	0.0
10,001-26,000 lbs.	339	33.0	1	12.5	41	22.8
Greater Than 26,000 lbs.	679	66.1	7	87.5	139	77.2
Uncoded & Errors	7	0.7	0	0.0	0	0.0
TOTAL	1,027	100.0	8	100.0	180	100.0