

Analysis of Teenage Drivers in Crashes in Tennessee 2003 - 2008



September 2009
Tennessee Department of Safety
Office of Research, Statistics, and Analysis

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Introduction

This report analyzes various Tennessee crash data from the years 2003 through 2008 with respect to crashes involving teen drivers. The analysis is roughly arranged into five areas:

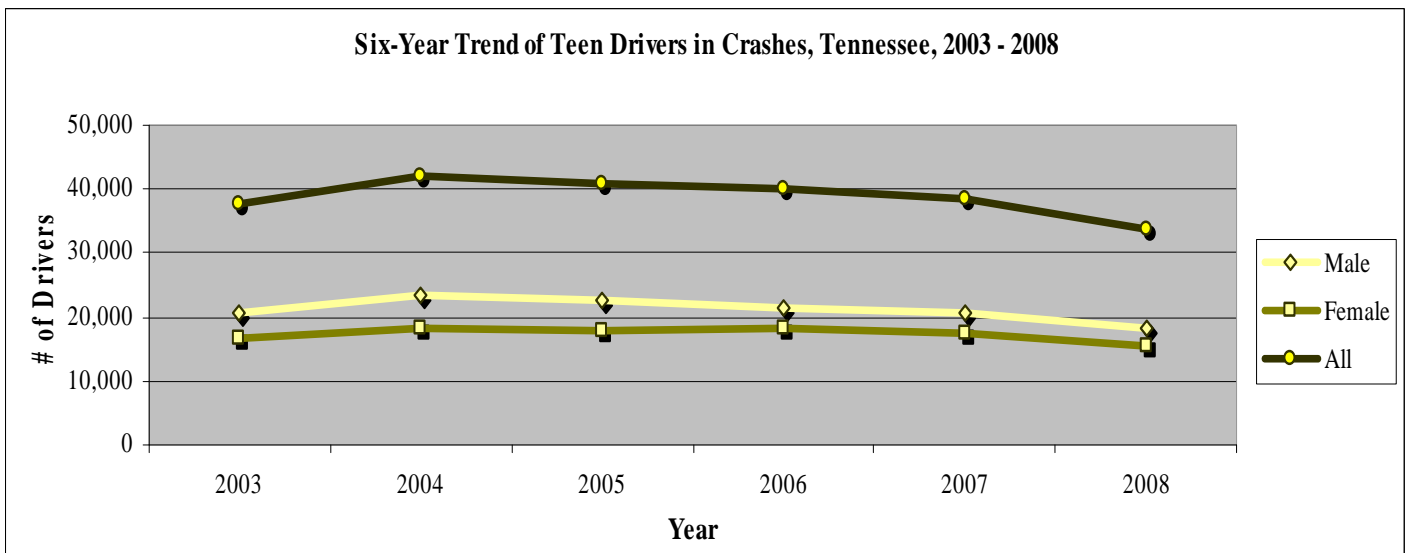
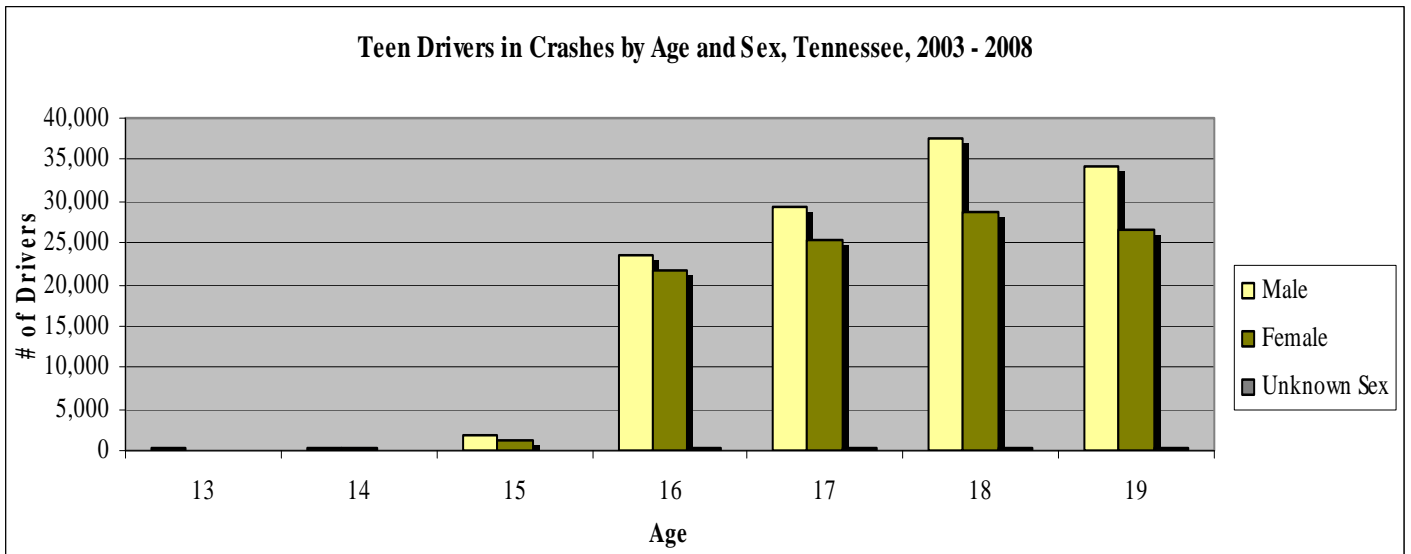
- **Demographics** include age and sex.
- **Area** encompasses reporting agency and roadway signage.
- **Conditions** are surface, weather, and light conditions along with the number of vehicles and the number and ages of passengers.
- **Temporal** contains information about the months, days of the week, and times that teen drivers are crashing.
- **Behavior** examines safety equipment use, alcohol and drug use, and drivers' contributing factors.

Various aspects of the data were examined, frequently comparing teen driver statistics with statistics describing drivers over 19 years old, and comparing fatal crashes involving teen drivers with other crashes involving teen drivers.

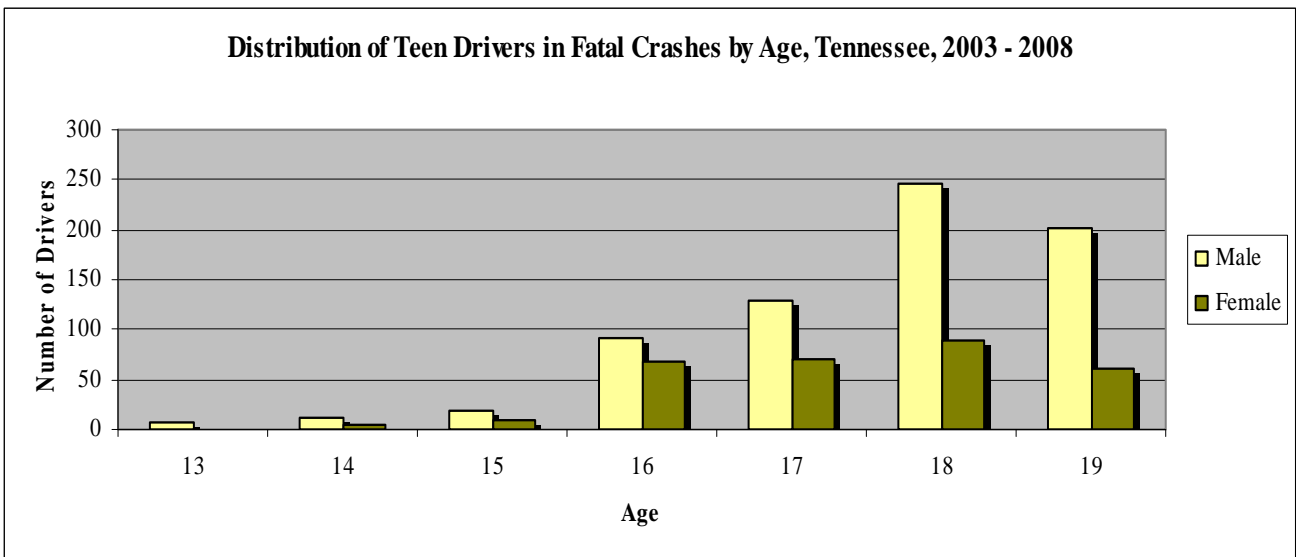
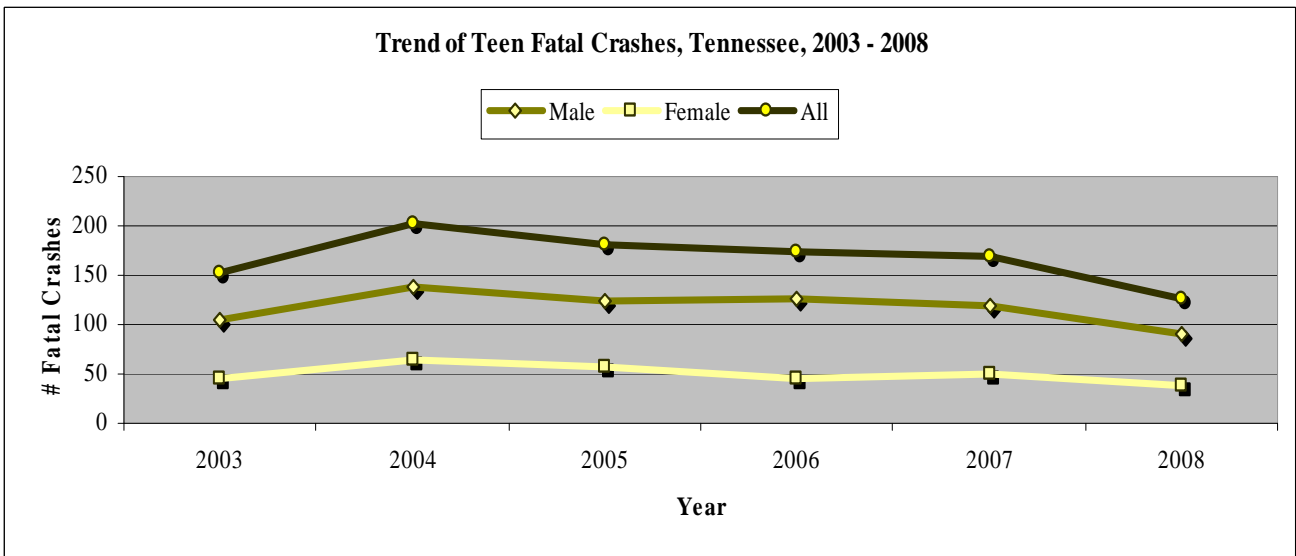
In general, compared to their proportion of the population of licensed drivers, teen drivers were overrepresented in all types of crashes during this period by an average factor of 2.3. Females showed a slightly higher representation (2.5) than males (2.2). Fatal crashes were somewhat better, with males overrepresented by a factor of 1.7 and females by 2.1. Across the age groups 15 year-olds were the only underrepresented group, perhaps reflecting their propensity to ride with older passengers and exercise greater care due to the Learner's Permit restrictions. Fourteen year olds were greatly overrepresented, due to the fact that a greater number of 14 year old drivers crashed each year than had licenses. Excluding 14 year old drivers, 18 year old drivers were the most overrepresented, with their proportion of crashing drivers being 2.7 times greater than their proportion of licensed drivers. This remained nearly consistent across crash types.

Sex and Age

For the period 2003 – 2008, the distribution of Tennessee teen drivers in crashes by age is highly skewed to the right for both sexes. The number of teen drivers in crashes increased sharply from 160 for 13-year olds to 23,518 for 16-year olds, and to 37,430 for 18-year olds. Over this period, there was a 12% reduction of male drivers, an 8% reduction of female drivers, and 10% reduction of total teen drivers in crashes. For male, female, and all teen drivers in crashes the six-year trends show gradual downward slopes after 2004. Of all 232,324 teen drivers in crashes approximately 55% were male, approximately 45% were female, and less than 1% were of unknown sex. Of all teen drivers in crashes, 98% were between the ages of 16 and 19.



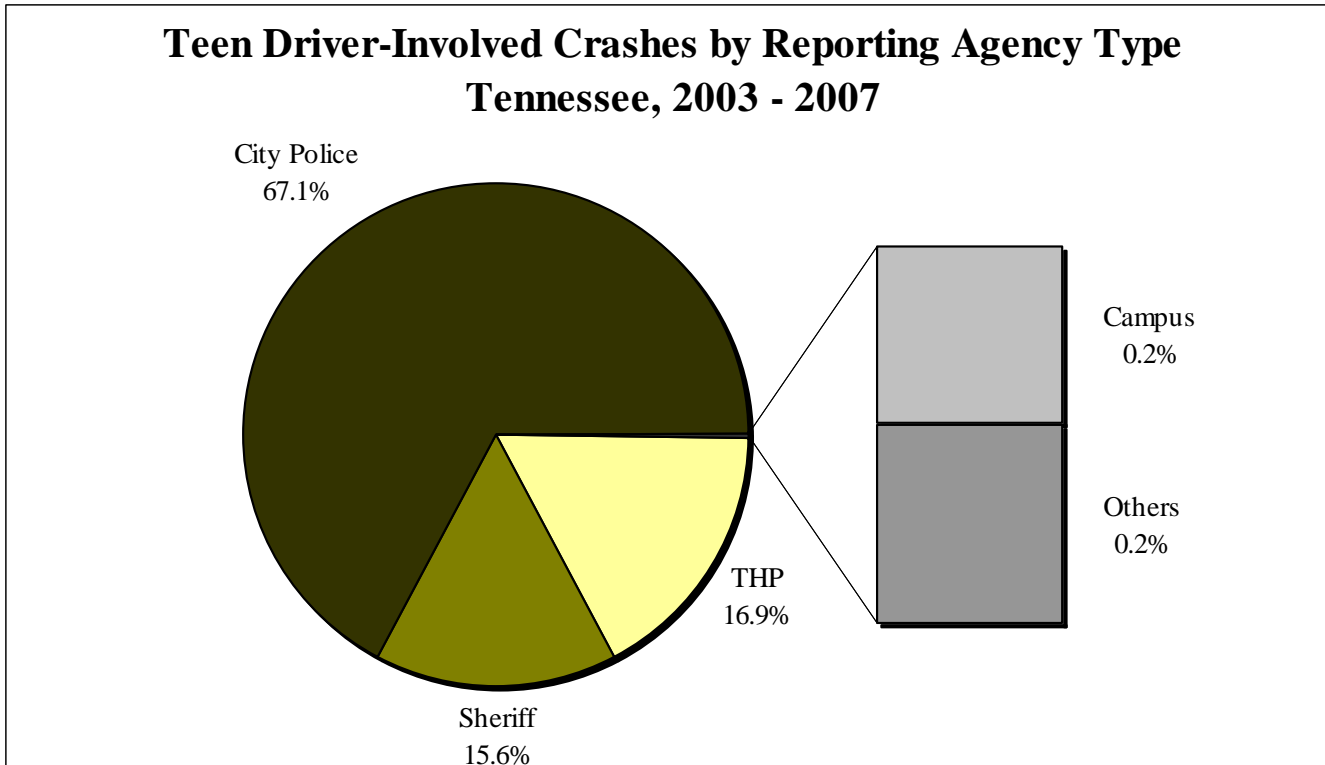
For this period, the distribution of Tennessee teen drivers in fatal crashes by age is skewed to the right for both sexes, indicating that the age of the teens was a major contributory factor in a fatal crashes. Late teens were more involved in fatal crashes than other teens. In this period, the trends of fatal crashes have upward slopes up to 2004, thereafter downward slopes for male, female, and total fatal crashes respectively. The percentage change in fatal crashes was a 14.3% reduction for males, a 19.6% reduction for females, and a 17.0% reduction for all teen drivers in the 6-year period. The number of fatal crashes rose sharply with the age of the teens with 18-year old teens having the highest number of fatal crashes (245) in this period. For male and female drivers in fatal crashes, 95% and 96% were between the ages of 16 and 19 respectively. Of all 1,005 fatal crashes involving teen drivers, 702 (70%) involved males and 299 (30%) involved females.



Reporting Agency Type

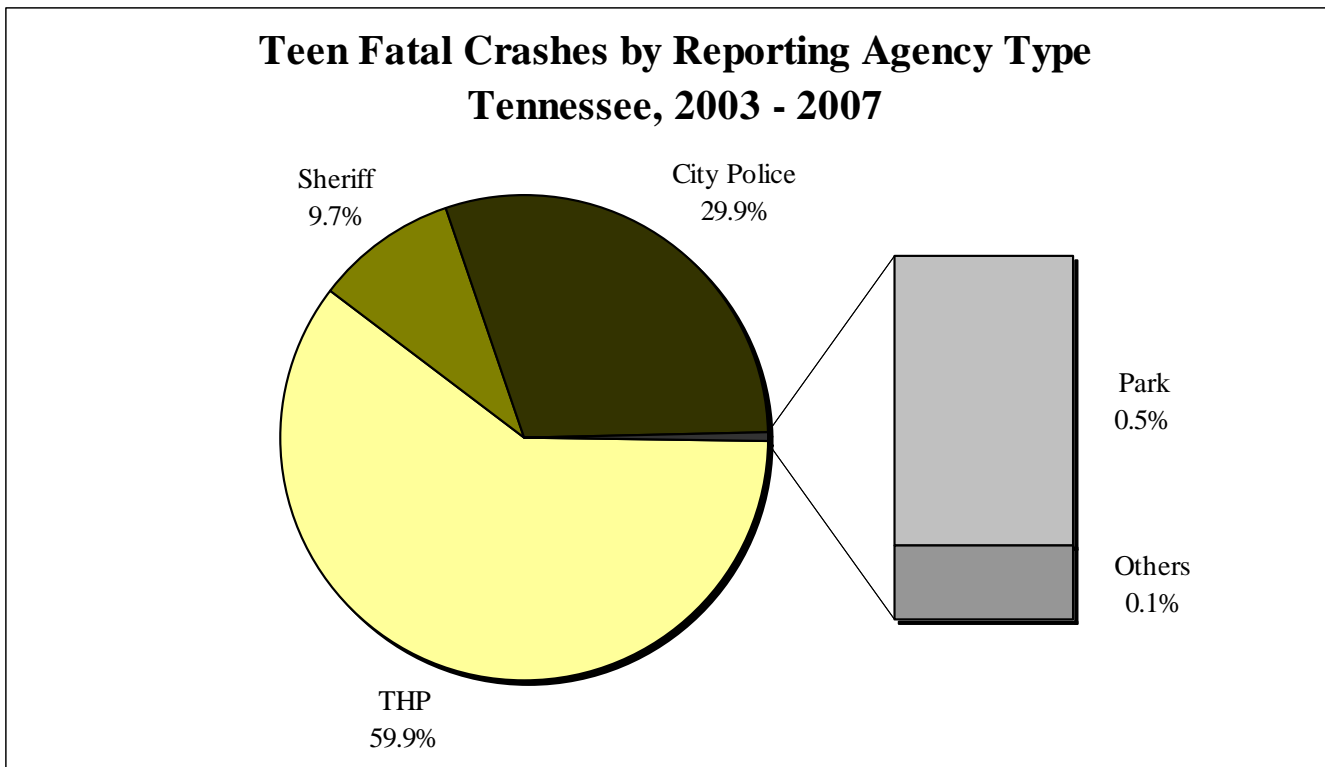
Of the 198,503 teen drivers' crashes occurring between 2003 and 2007, THP covered 33,523 (16.9%), Sheriff's Office covered 30,955 (15.6%), and City Police covered 133,216 (67.1%). A breakdown of the four largest counties follows:

- In Shelby County, 1.0% were covered by THP, 7.6% by Sheriff's Office, and 91.0% by City Police.
- In Davidson County, City Police covered 98.5% of the teen driver's fatal crashes.
- In Knox County, THP covered 5.6% of the teen driver's fatal crashes, Sheriff's Office covered 32.7%, and City Police covered 61.5%.
- In Hamilton County, less than 1% were covered by THP, 14.9% by Sheriff's Office, and 84.1% by City Police.



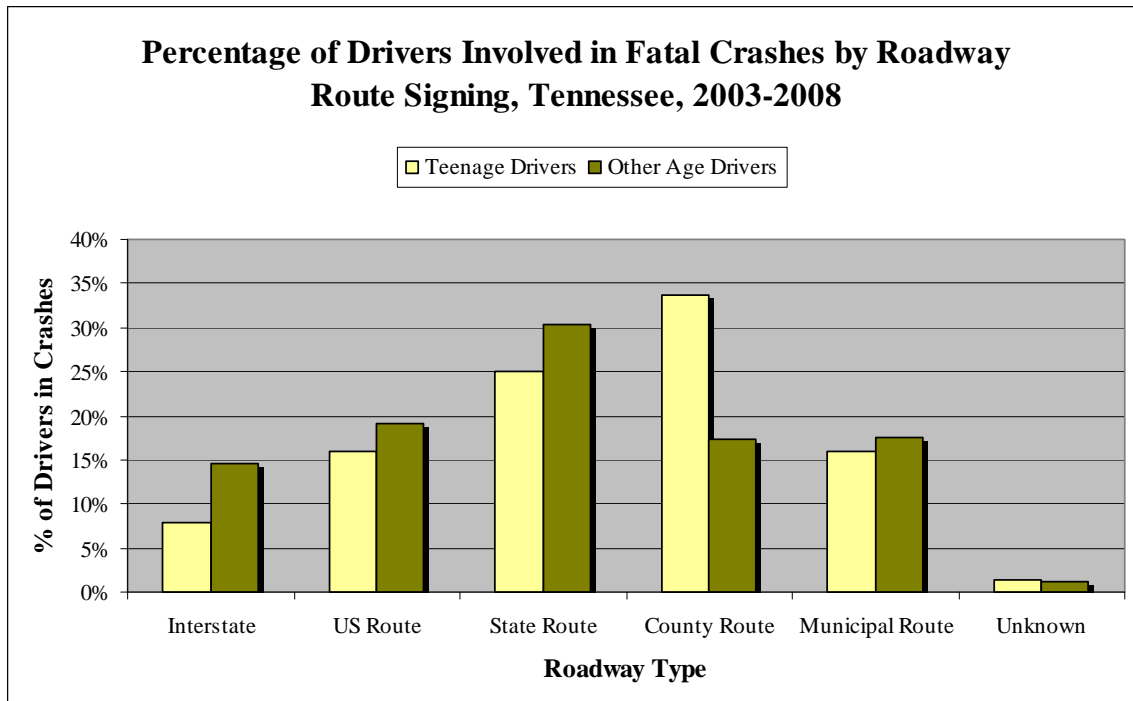
Of the 880 teen drivers' fatal crashes occurring between 2003 and 2007, THP covered 527 (60%), Sheriff's Office covered 85 (10%), and City Police covered 263 (30%). THP covered 100% of all teen drivers' fatal crashes in 45 counties, all of which were counties in the rural areas of Tennessee. A breakdown of the four largest counties follows:

- In Shelby County, 4.4% were covered by THP, 17.6% by Sheriff's Office, and 77.9% by City Police.
- In Davidson County, City Police covered 100% of the teen driver's fatal crashes.
- In Knox County, THP covered 14.6% of the teen driver's fatal crashes, Sheriff's Office covered 56.3%, and City Police covered 29.2%.
- In Hamilton County, 33% were covered by THP, 13.3% by Sheriff's Office, and 83.3% by City Police.

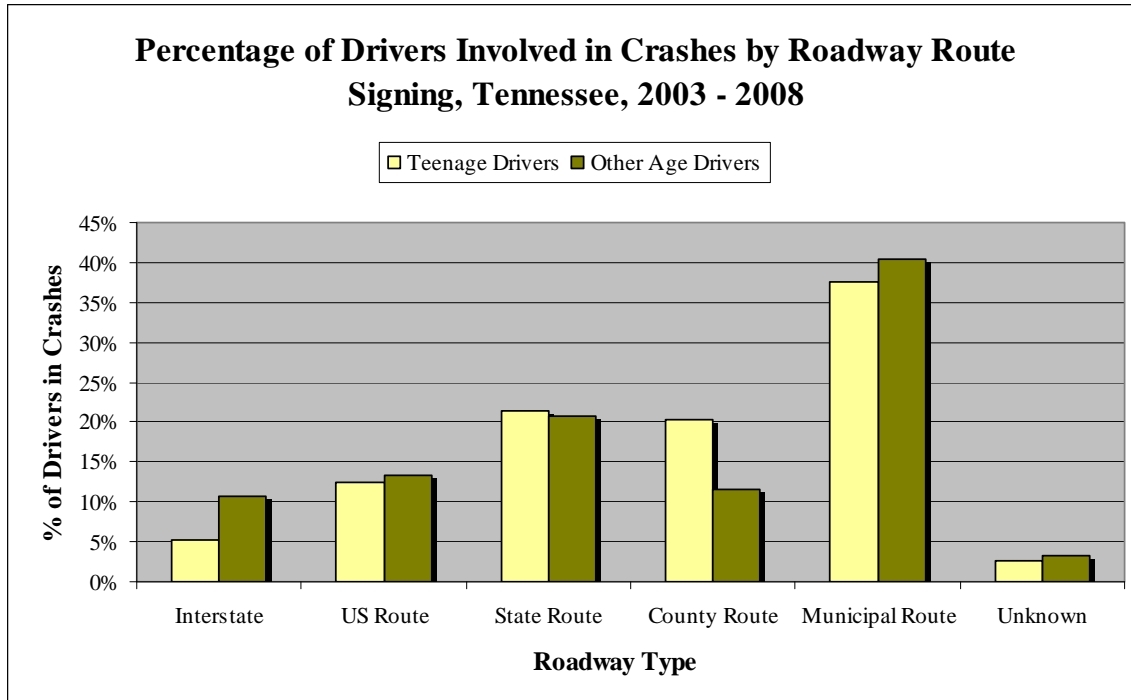


Roadway Route Signing

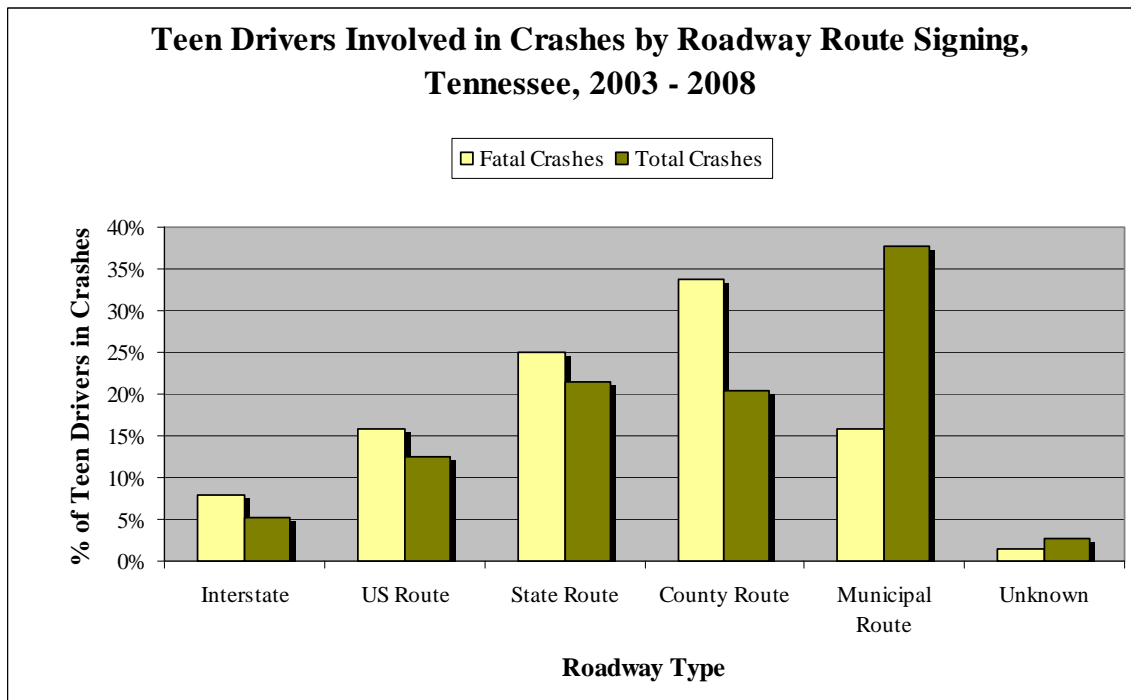
This section attempts to determine if one type of roadway is more dangerous for teenage drivers than other age drivers. This information is obtained from the Tennessee Uniform Traffic Crash Report under the Roadway Route Signing section on page four. The options that are available are: Interstate, U.S. Route, State Route, County Route, Municipal Route, and Unknown. The following graph displays the percentage of drivers in fatal crashes for the different age groups.



From the graph it is easy to see that teenage drivers had a much greater percentage of their fatal crashes happen on county routes than other age drivers. It is also shown that county routes were the most deadly roadway type for teenage drivers. Second most deadly were state routes, then a virtual tie between municipal routes and U.S. routes, with Interstates being the least deadly. This information would lead one to believe that teenage drivers spend most of their time on county routes, but the graph on the next page, which includes all crash types (fatal, injury, and property damage only) would suggest otherwise.



From this graph it can be seen that the majority of teenage drivers involved in traffic crashes in Tennessee crashed on municipal routes, similarly to other age drivers. Much like the fatal crash graph, the biggest difference in teenage drivers and other age drivers was the proportion of crashes on county routes. The following graph contains information about teenage drivers only, showing the disparity between fatal crashes and total crashes.

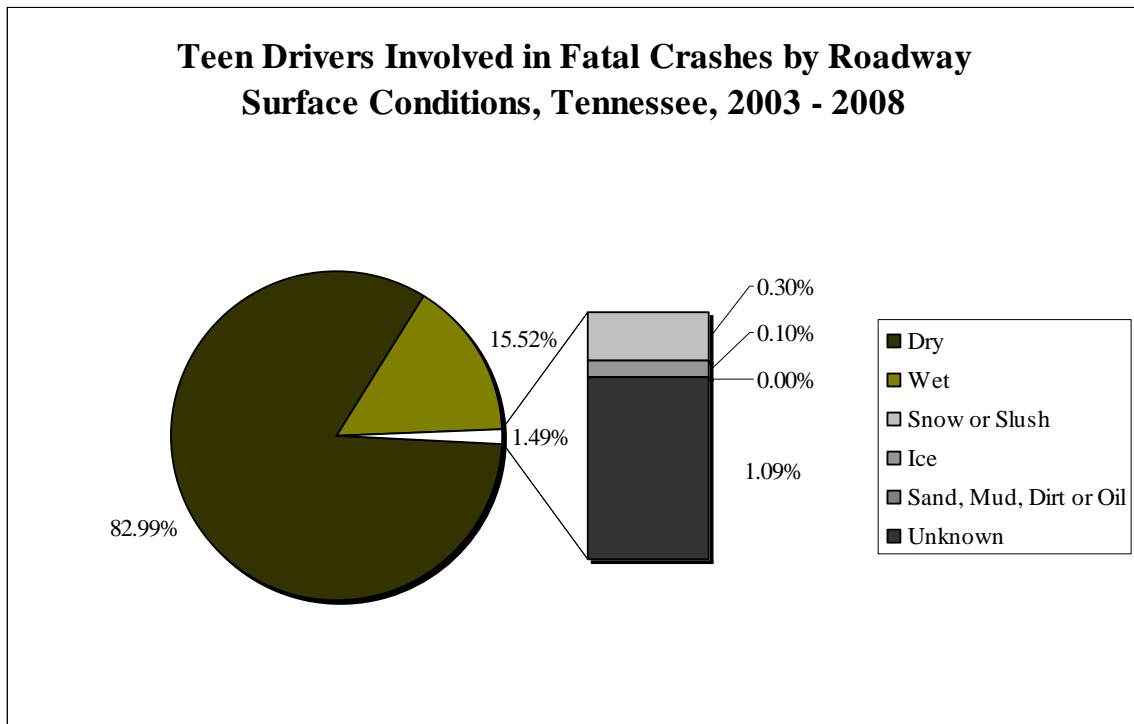


If it is assumed that the roadway types with the most crashes will also have the most deadly crashes, the proportions between roadway types should be equal. In other words, for each roadway type the bars on the graph should be equal to each other. As is obvious, this is not the case. Since the proportion of fatal crashes exceeds the proportion of total crashes on all roadway types except municipal routes, one might assume that teenage drivers are in deadlier crashes on roads where there is less congestion, fewer traffic control signals, and typically higher speed limits.

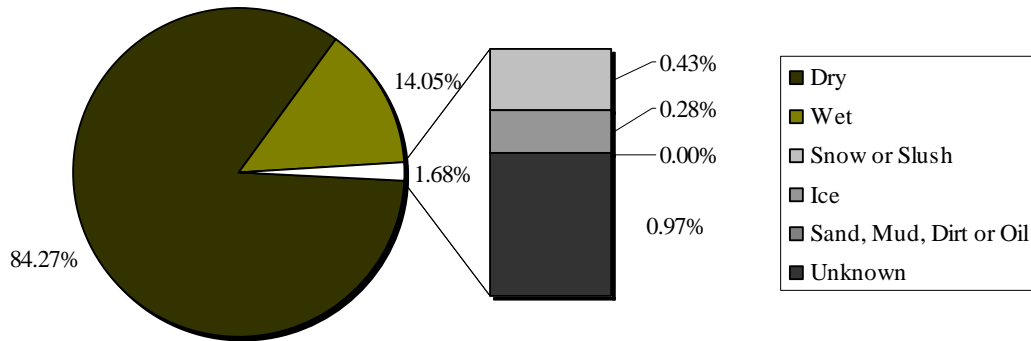
Roadway Surface Conditions

This segment examines roadway surface conditions as they relate to teen drivers. The options available for an officer to choose on the crash report include: dry; wet; snow or slush; ice; sand, mud, dirt, or oil; and unknown. First examined are the differences between teenage drivers and other age drivers involved in fatal crashes by roadway surface conditions. The pie chart below shows the proportion of teenage drivers involved in fatal crashes by roadway surface conditions.

The vast majority of teenage drivers involved in fatal crashes crashed on dry roadway surfaces. The only other condition worth mentioning is wet, with the others combining for less than half of one percent. To see if this is truly a teenage driver problem, the same chart is displayed for other age drivers on the next page.



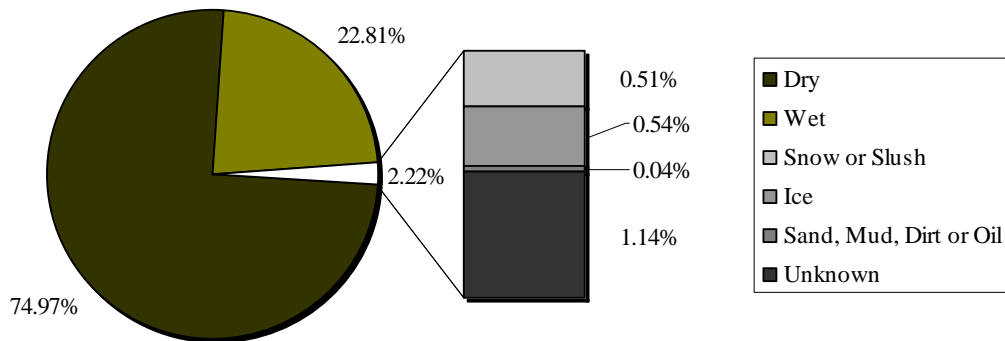
Other Age Drivers Involved in Fatal Crashes by Roadway Surface Conditions, Tennessee, 2003 - 2008



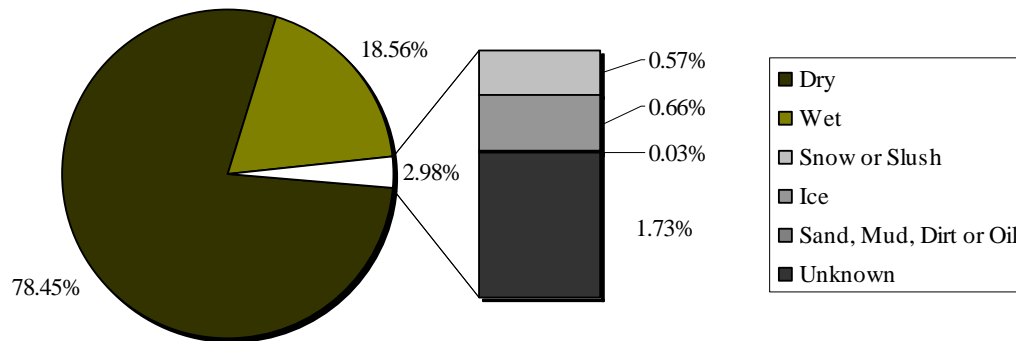
The pie chart above looks almost identical to the teenage driver pie chart. The other age drivers involved in fatal crashes had a slightly higher percentage of dry roadway crashes than teenage drivers, and a lower percentage of wet roadway crashes. Due to error, it can not be said with any confidence that there was any difference between teenage drivers and other age drivers.

The following charts illustrate differences in teenage drivers and other age drivers involved in total crashes.

Teen Drivers Involved in Crashes by Roadway Surface Conditions, Tennessee, 2003 - 2008



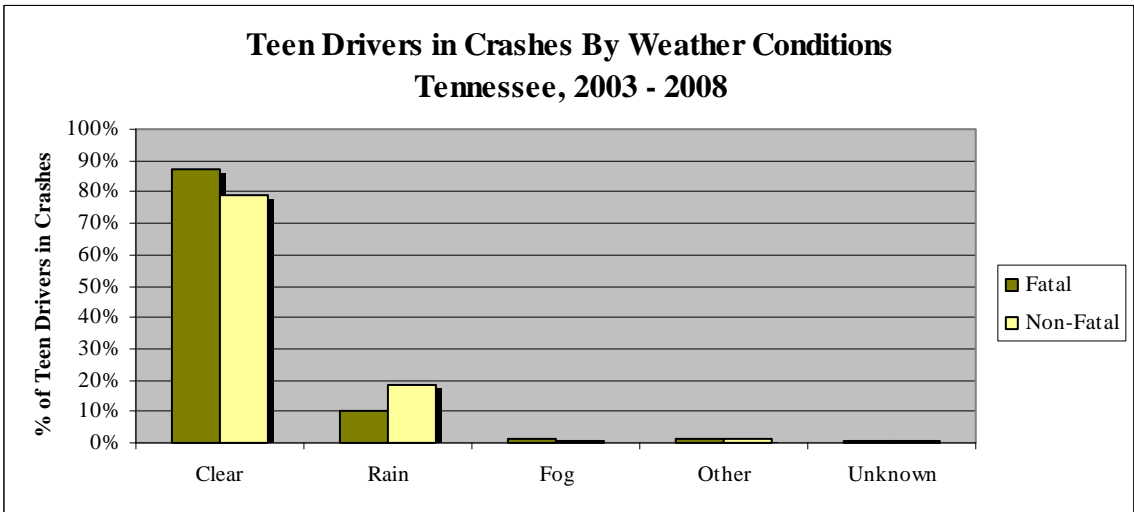
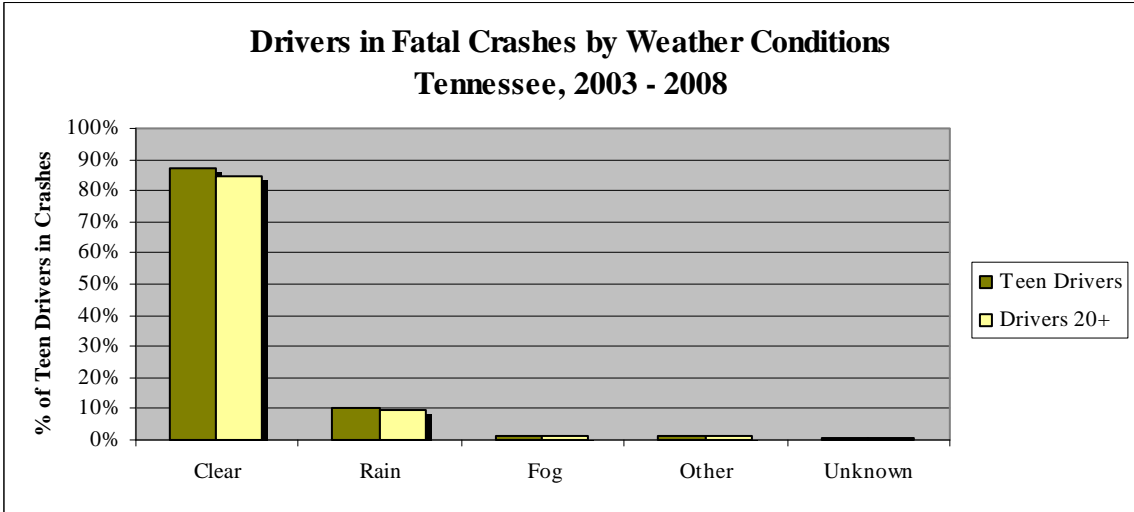
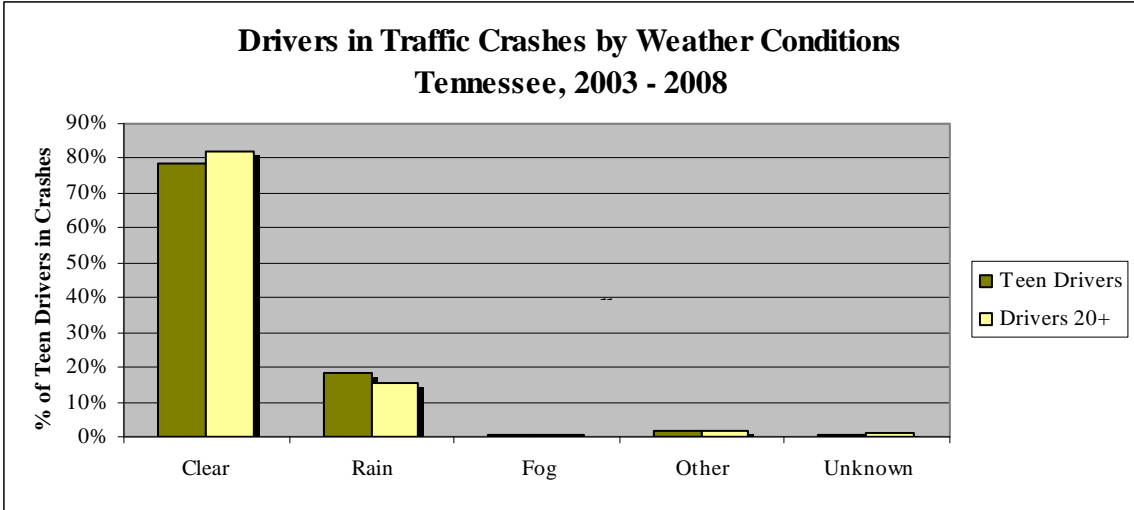
**Other Age Drivers Involved in Crashes by Roadway
Surface Conditions, Tennessee, 2003 - 2008**



If it is assumed that fatal crashes and total crashes were proportionally the same for each roadway surface condition, one may be surprised. The previous pie charts seem to show that deadlier crashes occurred, with both age groups, on dry roads.

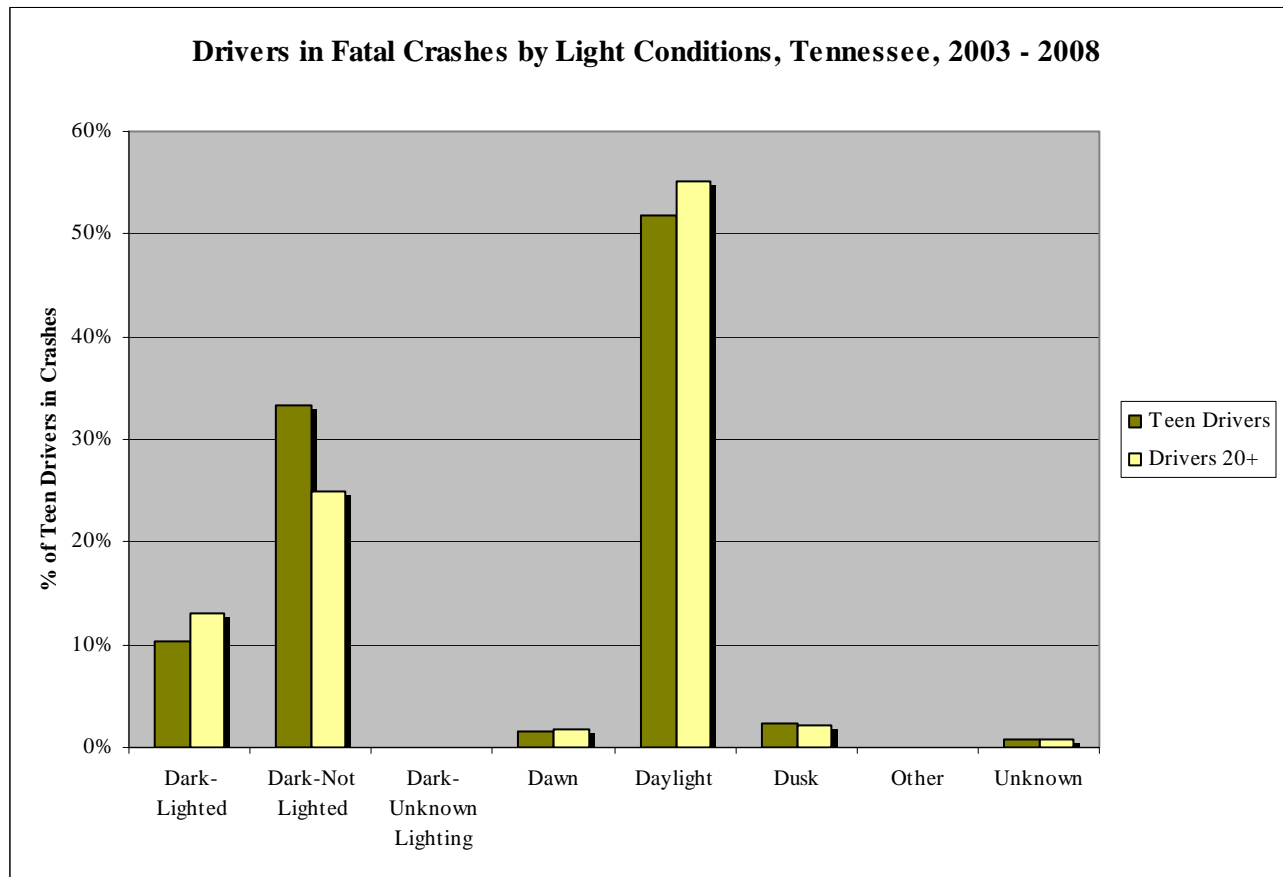
Weather Conditions

This section examines the relationship between teen drivers in crashes and weather conditions. The data show that 87.5% of the teen drivers in fatal crashes crashed in clear conditions, 10.0% crashed in rain, 1.3% in fog, and 0.12% in other adverse weather conditions. Of total teen drivers in crashes, 78.9% crashed in clear conditions, 18.3% in rain, 0.6% in fog, and 1.5% in other adverse weather conditions. While very few teen drivers had fatal crashes in fog, the data suggest there may be some greater risk of fatal crashes for teens driving in fog versus those driving in other weather. Surprisingly, a greater proportion of teen drivers crashing in clear conditions had fatal crashes than those who crashed in the rain. The charts on the next page illustrate these points.

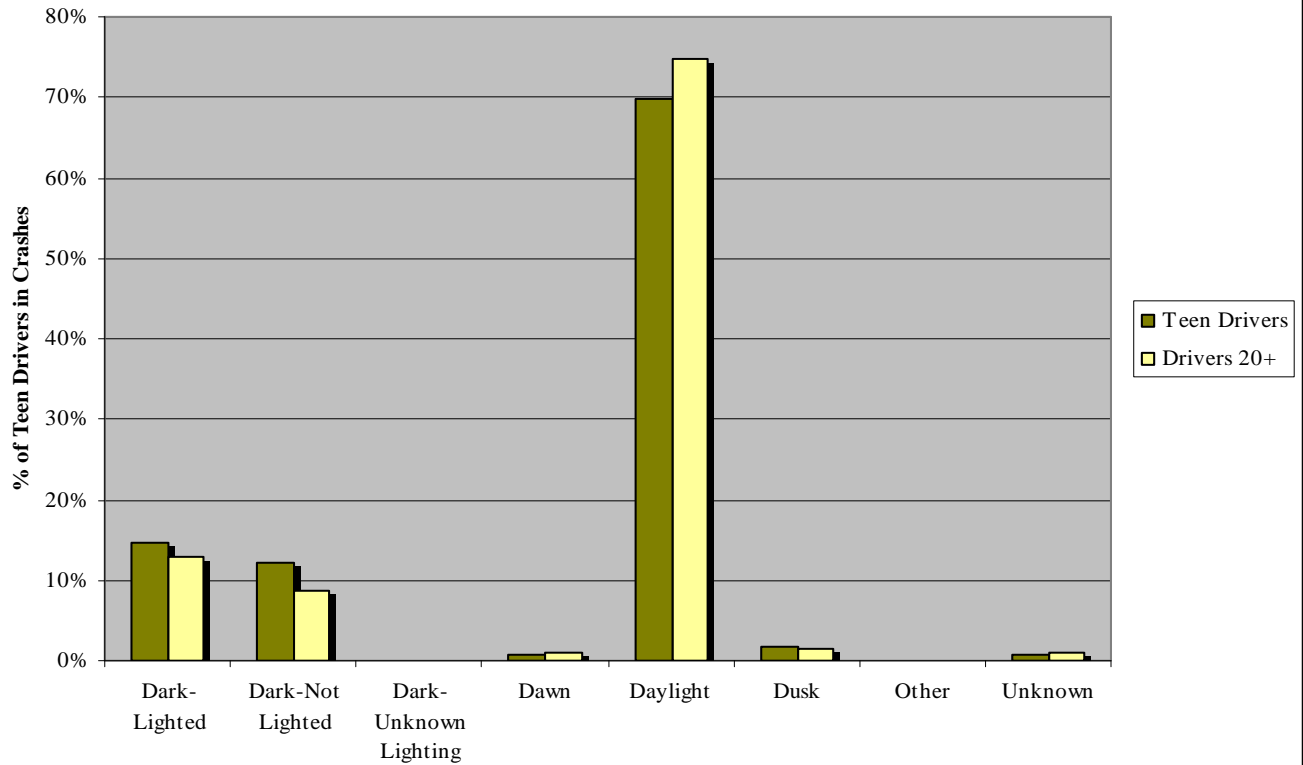


Light Conditions

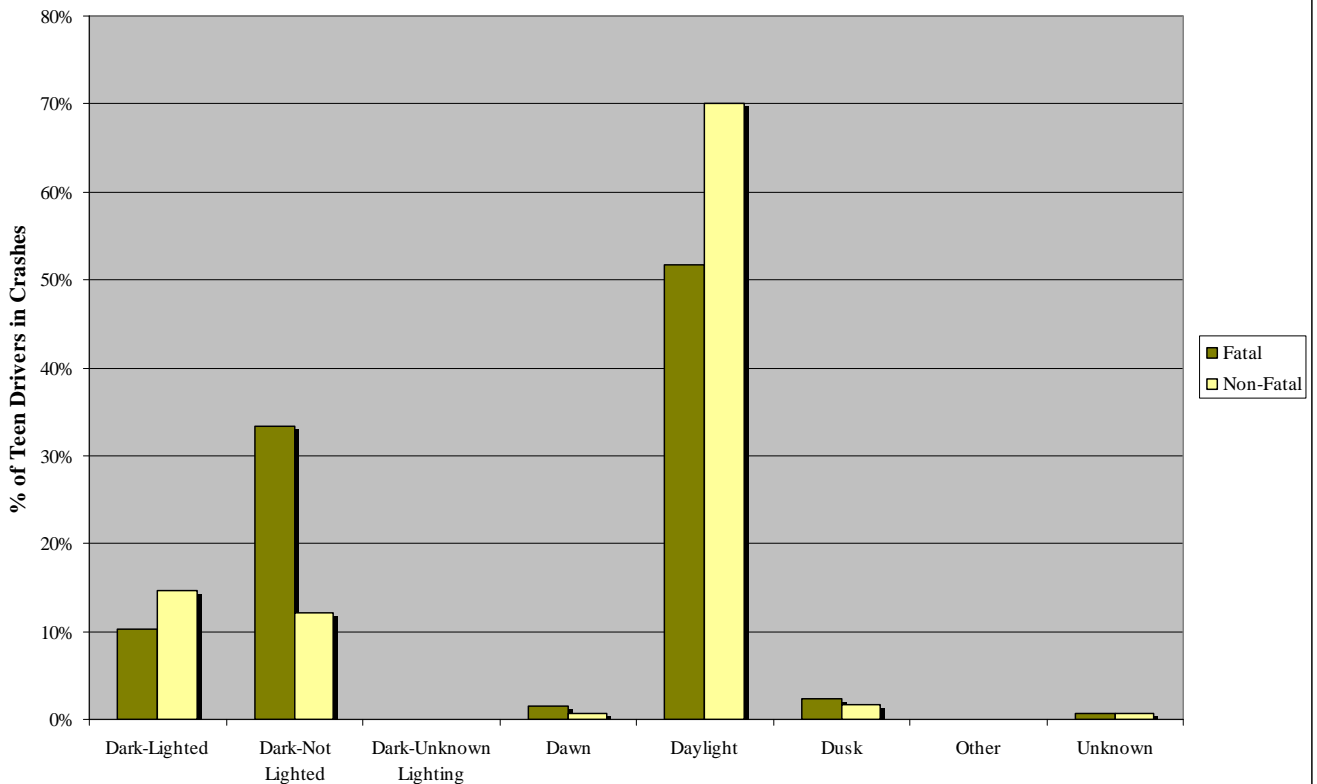
This section examines the relationship between teen drivers in crashes and light conditions. Between 2003 and 2008, 51.7% of teen drivers in fatal crashes crashed during daylight, 33.3% in dark, unlit conditions, 10.3% in dark but illuminated conditions, 1.5% at dawn, and 2.4% at dusk. Of all teen drivers in crashes during this period, 69.9% crashed during daylight, 12.3% in dark, unlit conditions, 14.7% in dark but illuminated conditions, 0.74% at dawn, and 1.7% at dusk. These statistics roughly mirror those of drivers 20 and older, but a larger proportion of teen drivers crash at dusk and in the dark than do drivers 20 and older. One can note these differences in the following charts.



Drivers in Traffic Crashes by Light Conditions, Tennessee, 2003 - 2008



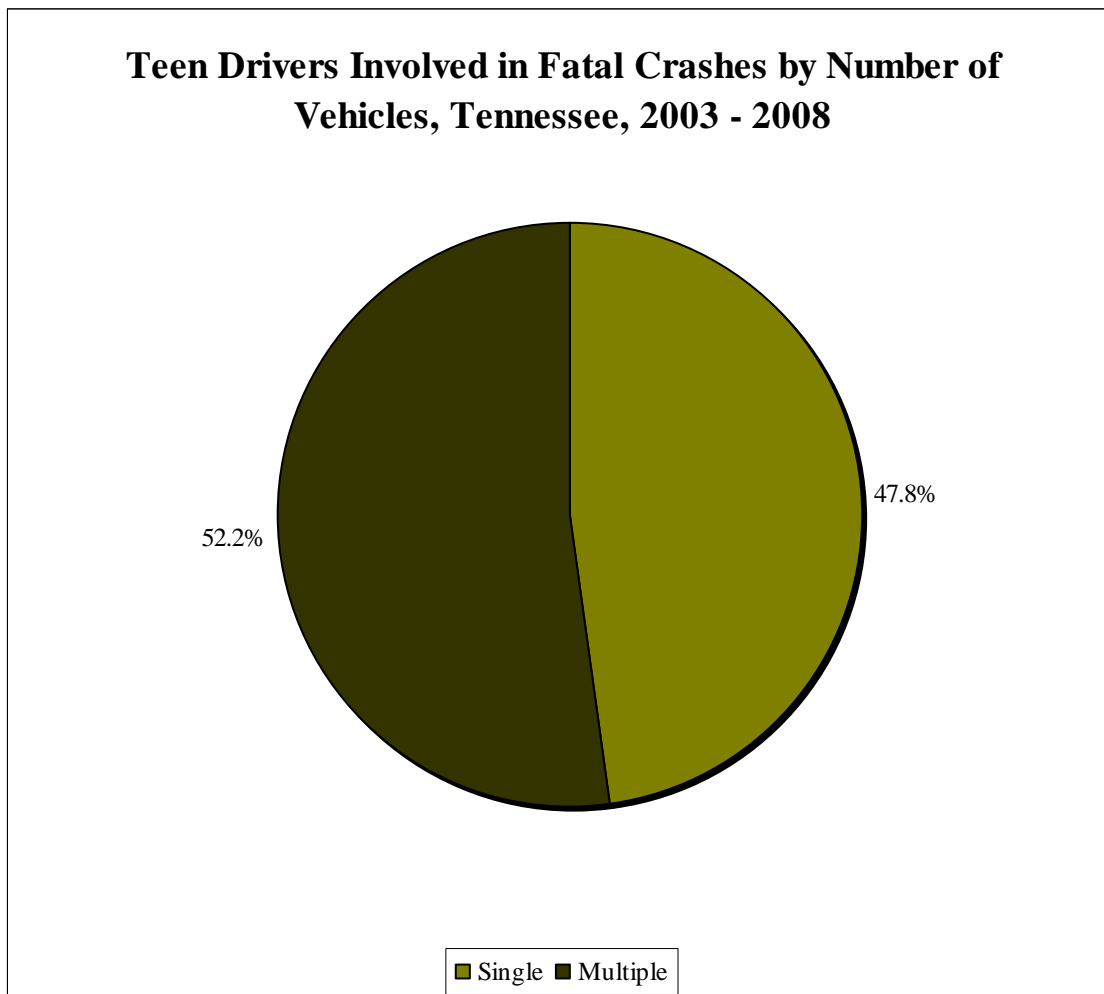
Teen Drivers in Traffic Crashes by Light Conditions, Tennessee, 2003 - 2008



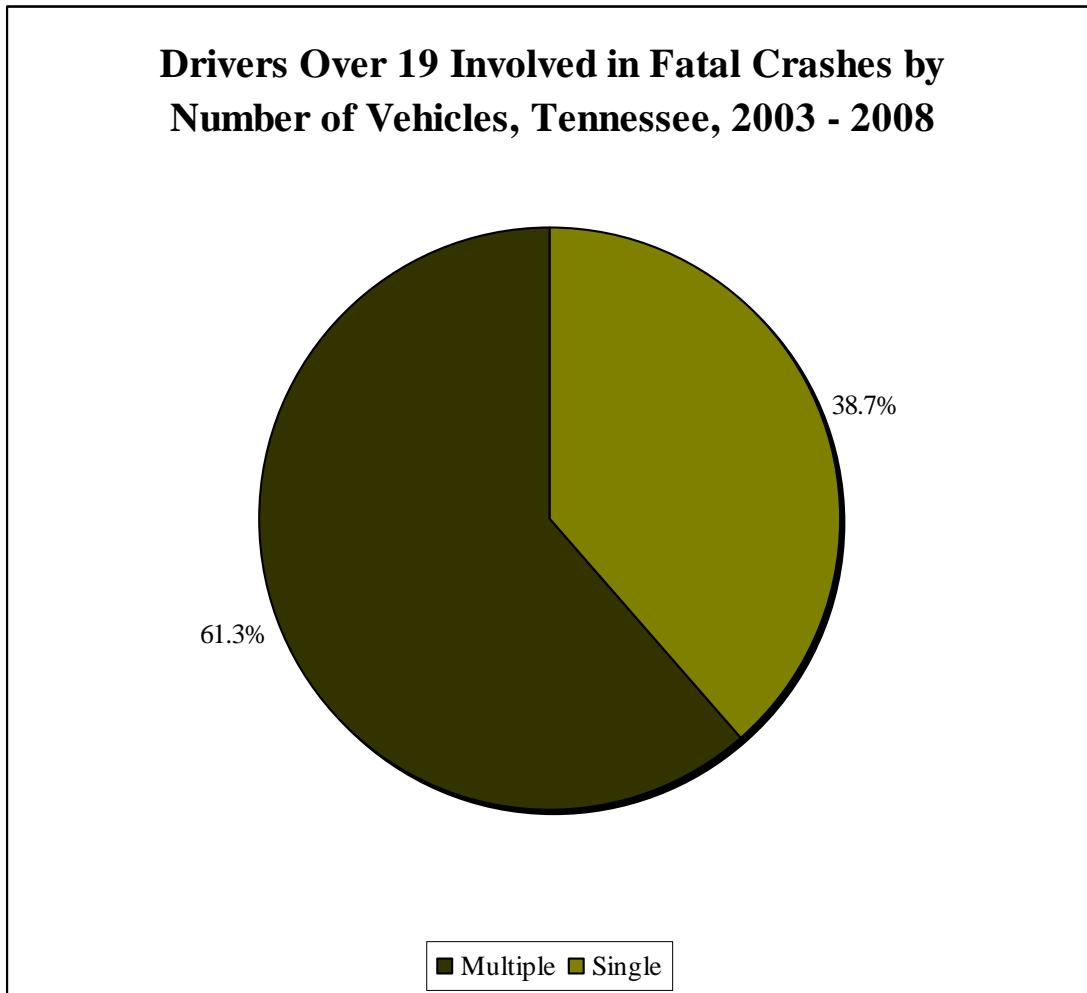
Number of Vehicles

This section examines the differences between teenage drivers and other age drivers by the number of vehicles involved in the crash. The next two pie charts compare the proportion of teenage drivers and other age drivers involved in fatal crashes by the number of vehicles involved.

The first chart shows that for teenage drivers involved in fatal crashes, there was essentially no difference in the number of vehicles involved. In other words, teenage drivers involved in fatal crashes were just as likely to be in a single vehicle crash as a multiple vehicle crash.

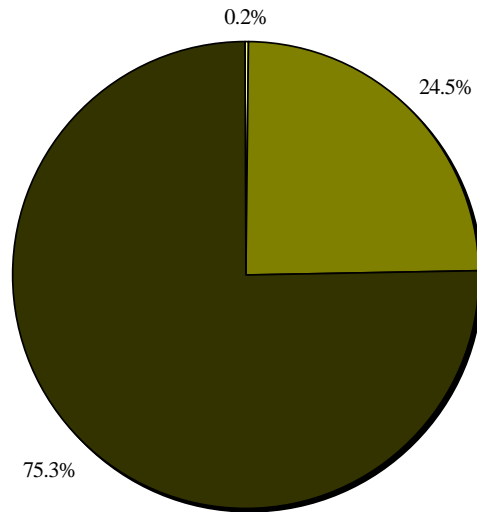


The pie chart below shows the difference in number of vehicles for other age drivers in fatal crashes. One can see that there was a greater proportion of multiple vehicle fatal crashes for other age drivers.



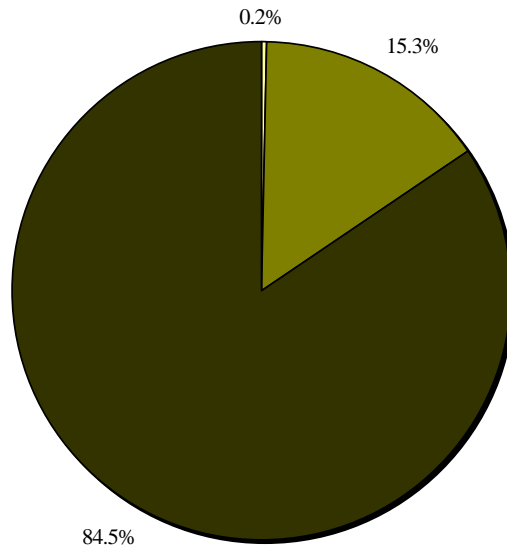
The pie charts on the next page compare the proportion of drivers involved in total crashes by the number of vehicles involved. While the proportion of multiple vehicle crashes increased in both age groups, the teenage drivers were still overrepresented in the number of total crashes having only one vehicle involved. Several inferences can be made from these data, such as the theory that teenage drivers only drive at times or places having low congestion, or perhaps teenage drivers are more attentive when other traffic is around.

Teen Drivers Involved in Crashes by Number of Vehicles, Tennessee, 2003 - 2008



Unknown Single Multiple

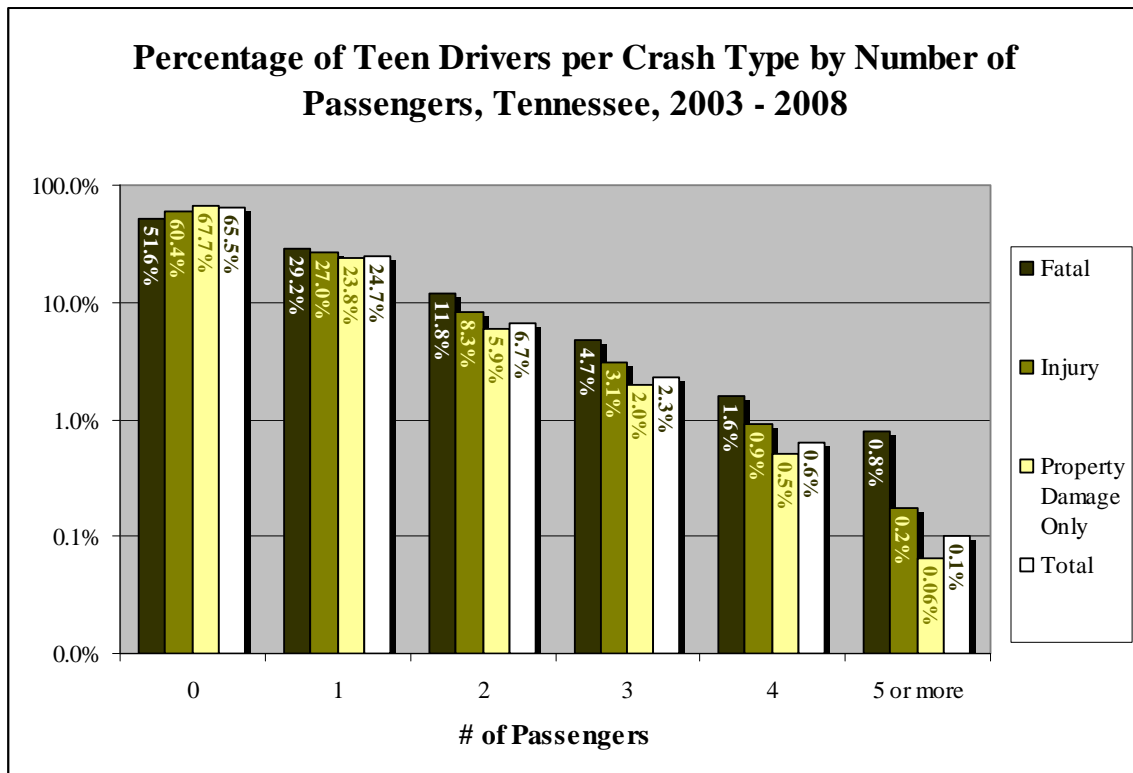
Drivers Over 19 Involved in Crashes by Number of Vehicles, Tennessee, 2003 - 2008



Unknown Single Multiple

Passengers

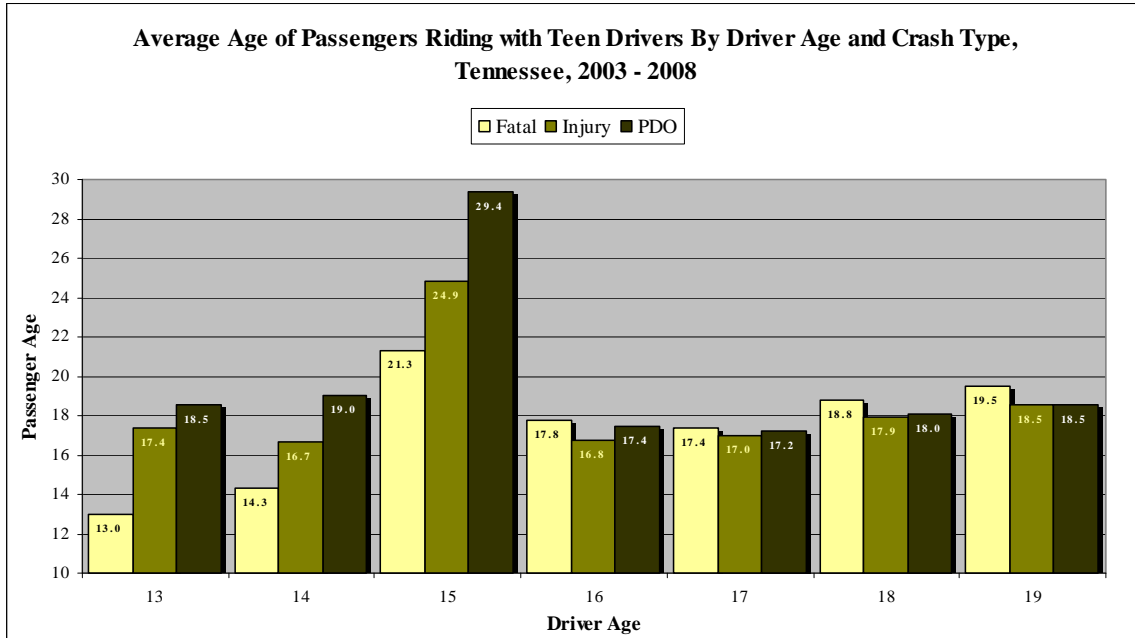
The number of passengers can affect crash outcomes for teenage drivers. While the majority of teenage drivers (65.5%) who crashed between 2003 and 2008 were driving alone, the severity of the crashes seemed to be proportional to the number of passengers in the teen drivers' vehicles. Even though the majority of teen drivers in fatal (51.6%) and injury (60.4%) crashes were alone, as the number of passengers increased so did the likelihood of a fatal or injury crash. For example, while only 6.7% of teen drivers in all crashes were carrying two passengers, 11.8% of teen drivers in fatal crashes had two passengers. The disparity is drastically larger when the teen driver has five or more passengers. This describes 0.1% of the teen drivers in all crashes yet was true for 0.8% of teen drivers in fatal crashes. While these are very low percentages, this represents an eight-fold difference in the percentage of teen drivers in fatal crashes versus those in total crashes with five or more passengers. Comparing teen drivers in each type of crash with those in the same type of crash by number of passengers revealed the following: Teen drivers who crashed with five or more passengers were 1.9 times more likely to be involved in an injury crash and *almost ten times more likely to be involved in a fatal crash* than teen drivers who were alone. The following charts clearly illustrate these statistics.



Crash Severity Risk by Number of Passengers for Teen Drivers in Tennessee Traffic Crashes, 2003 - 2008

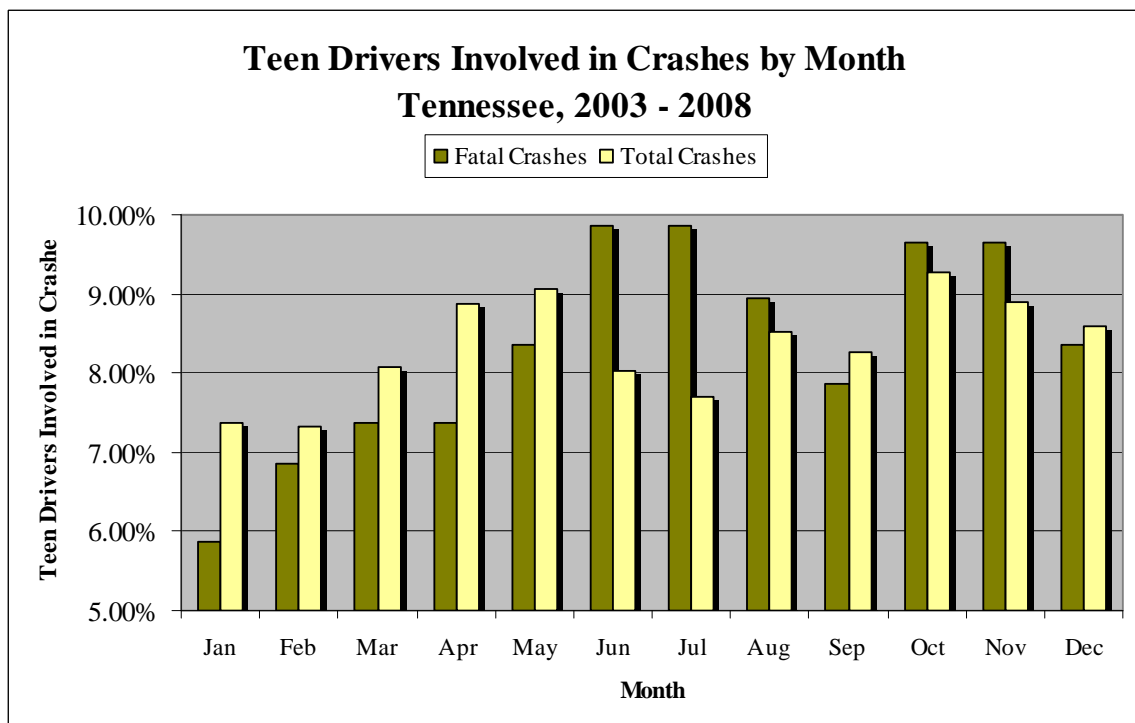


The age of any passengers riding with the teen driver seemed to have little impact on crash outcomes for drivers sixteen and older. These drivers tended to crash with persons about their own age regardless of crash severity. Conversely, drivers between 13 and 15 who crashed usually had older passengers in the car. The average passenger age for 13 and 14 year old drivers was between 17.7 and 17.8 years. The average passenger age for 15 year old drivers was 27.6 years, probably indicating that a large percentage of these drivers had an adult passenger per the GDL Learner's Permit requirements. Also, as the chart on the next page shows, the 13 to 15 year old drivers tended to have more severe crashes with younger passengers in their vehicles.



Month

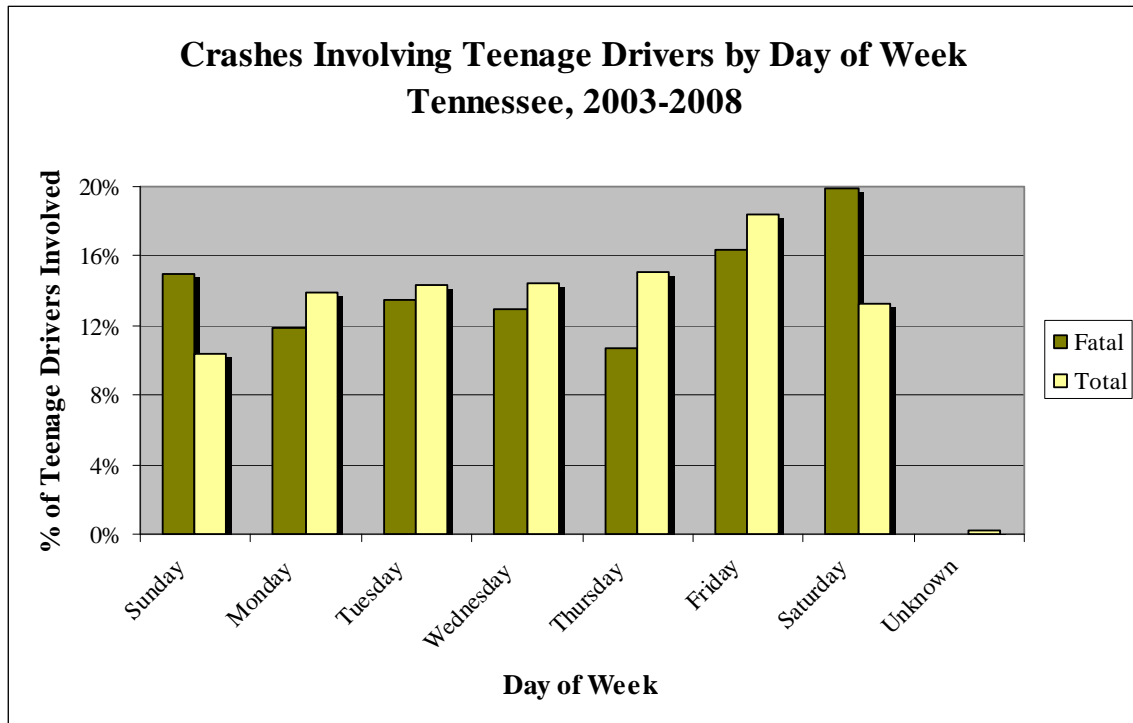
This section attempts to find out if there was a difference in the number and severity of crashes involving teenage drivers among months. The following bar graph shows the proportion of teenage drivers involved in crashes by month.



As in the previous sections, the assumption is made that as total crashes increase, the fatal crashes should match. The disproportion of fatal crashes and total crashes for nearly every month can be clearly seen in the chart. The most alarming features of this graph are the data for June and July, where the percentage of drivers in fatal crashes greatly exceeded the percentage of total crashes. In June and July, the total crash proportion was below average, but the fatal crash proportion was above average. To put it another way, during the summer teenage drivers were in fewer total crashes, but more fatal crashes.

Day of Week

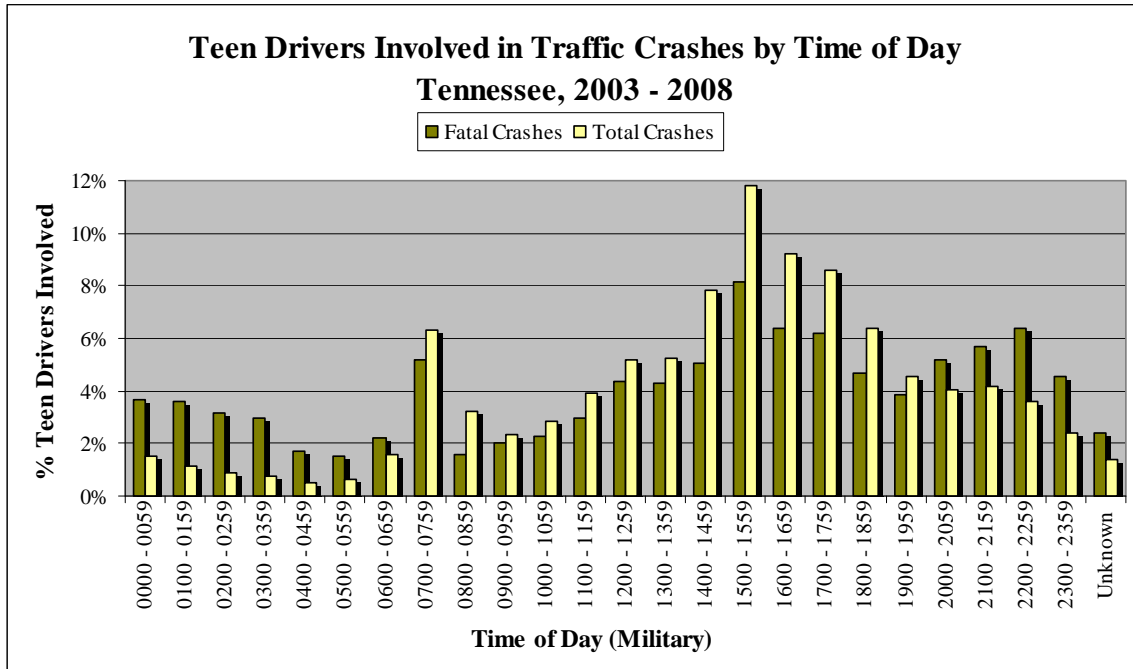
This section examines teenage drivers involved crashes by day of the week. The following bar graph depicts the difference in teenage drivers involved in fatal and total crashes.



Although the proportion of fatal crashes for Friday was higher than other weekdays, the more startling data involves Saturday and Sunday crashes. These were the only days with a higher proportion of fatal crashes than total crashes.

Time of Day

This section tries to determine the deadliest time of day for teenage drivers. The graph below shows the proportions of teenage drivers involved in fatal and total crashes by time of day. Time of day is in Military or 24-hour time.

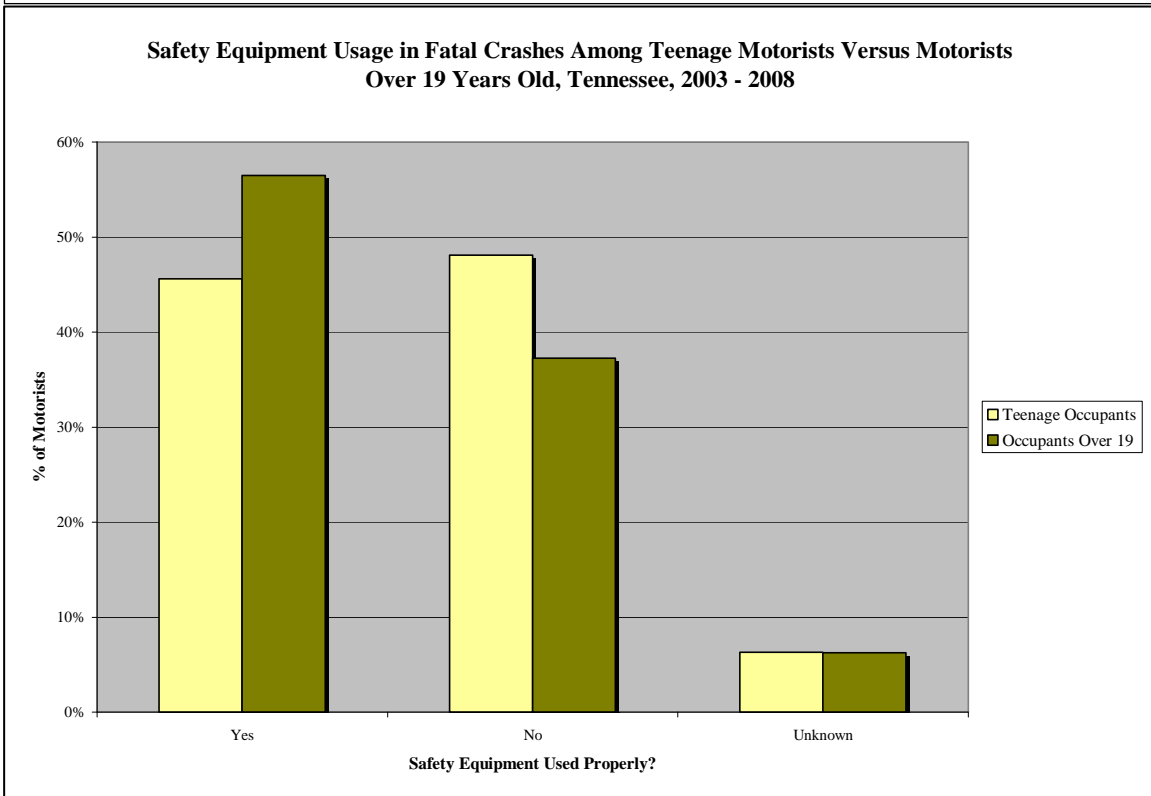
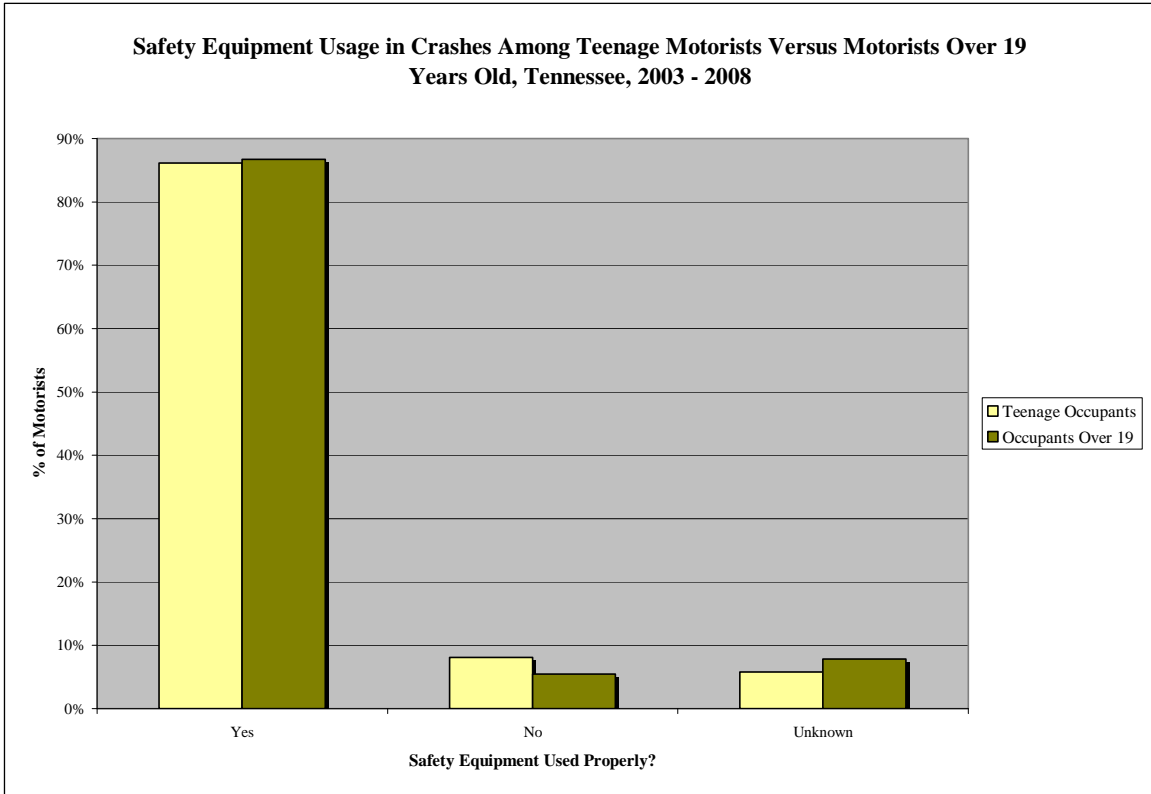


Once again one looks for times of day when the percentage of fatal crashes exceeded the percentage of total crashes. This occurred between the hours of 2000 and 0659 the next day. Although the deadliest time of day for teenage drivers was between 1500 and 1559, the proportion of fatal crashes was far below the proportion of total crashes. The data on this page suggest that while total crashes were less frequent during nighttime hours, the percentage of fatal crashes was higher.

Safety Equipment Use

Overall, safety equipment usage among teenage motorists involved in crashes between 2003 and 2008 was nearly identical to that found among motorists 20 years old and older. One point of difference occurred in fatal crashes: 48% of teenage motorists involved in fatal crashes were not using their safety equipment properly compared to 37% of motorists over 19 years old. Among other crash types, there were differences in the number of persons marked as having

"unknown" safety equipment usage among teenagers and motorists 20 and older. These differences make it difficult to interpret the differences seen in safety equipment use for less severe crashes, but it seems apparent from the data that among teen motorists in crashes, safety equipment use increased with age. The following graphs illustrate some of these statistics.

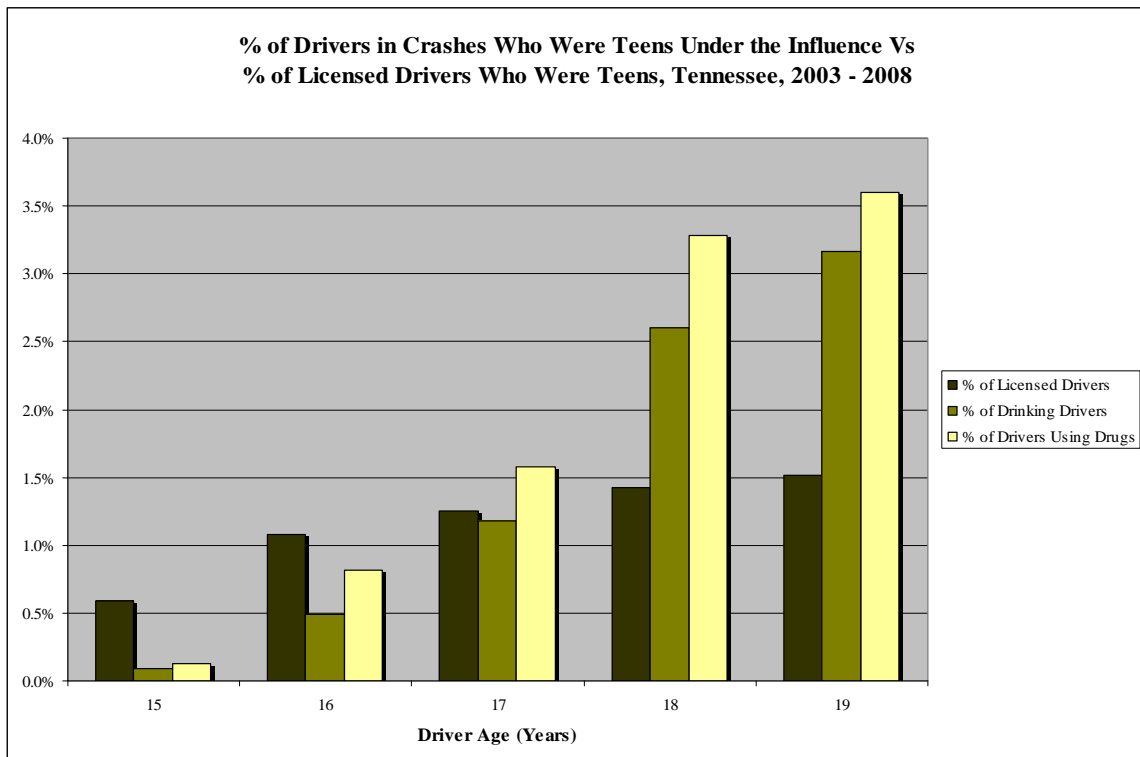


Alcohol and Drugs

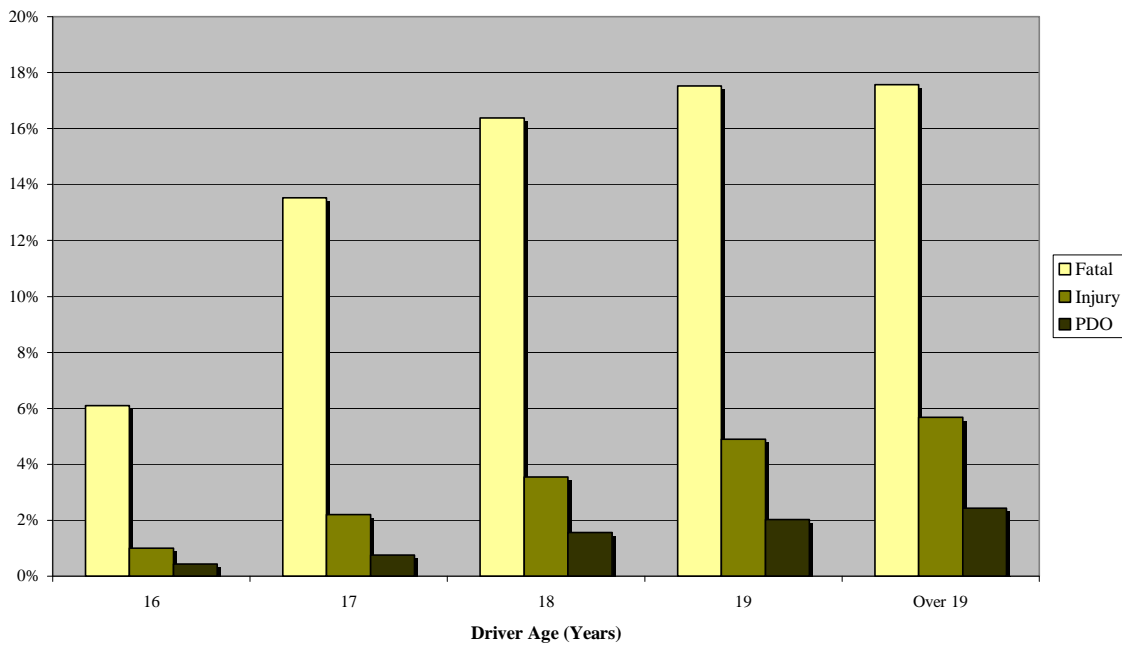
The crash data from 2003 to 2008 seem to show that teenage drivers were using alcohol and drugs at a lower rate than drivers 20 and older. This is, however, difficult to assess as approximately 99.7% of teen drivers and 91.3% of drivers over 19 years old in the crash database for this time period have no BAC test result recorded, with similar reporting rates for drug test results. In fatal crashes the reporting rate was somewhat better, about 20% for alcohol tests and around 16% for drug tests among both teens and drivers 20 and up. Test result data suggest that teen drivers in fatal crashes during this period were less likely to test positive for drugs and less likely to test positive for alcohol than their older counterparts.

All crashes in which any alcohol or drug use was indicated for a driver were analyzed and the data showed that about 1.85% of teen drivers who crashed had been drinking compared with 3.46% of drivers 20 and over. These data also revealed that about 0.5% of teen drivers had used drugs compared with 0.7% of drivers 20 and over. Fatal crashes were more likely to involve drugs and/or alcohol than overall crashes for all drivers, and injury crashes were more likely to involve alcohol for all drivers than crashes overall. Drivers between the ages of 17 and 19 in fatal crashes were more likely than drivers over 19 to have used drugs.

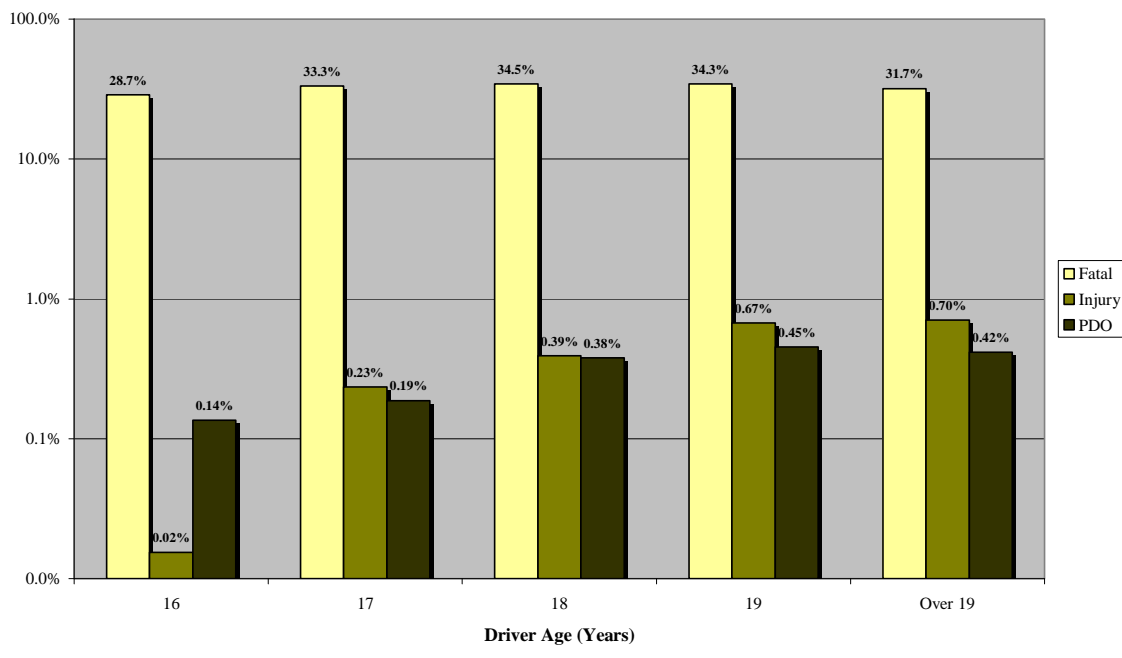
Eighteen and nineteen year old drivers in crashes who had been drinking were overrepresented with respect to their proportion of licensed drivers and 17 to 19 year old drivers who had used drugs were overrepresented as well. The following graphs show these statistics.



**Percentage of Drivers in Crashes per Age Group Who Had Been Drinking
Tennessee, 2003 - 2008**



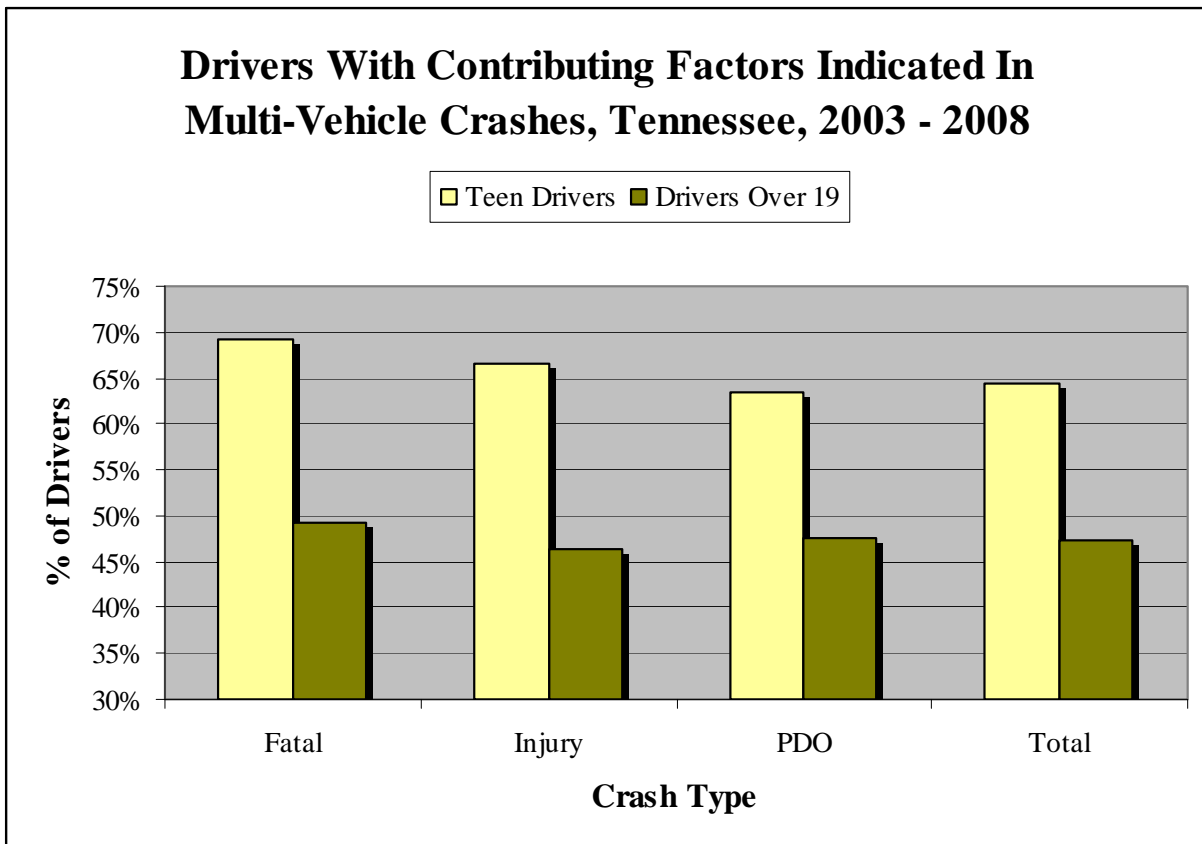
**Percentage of Drivers in Crashes per Age Group Who Had Used Illegal Drugs Tennessee,
2003 - 2008**



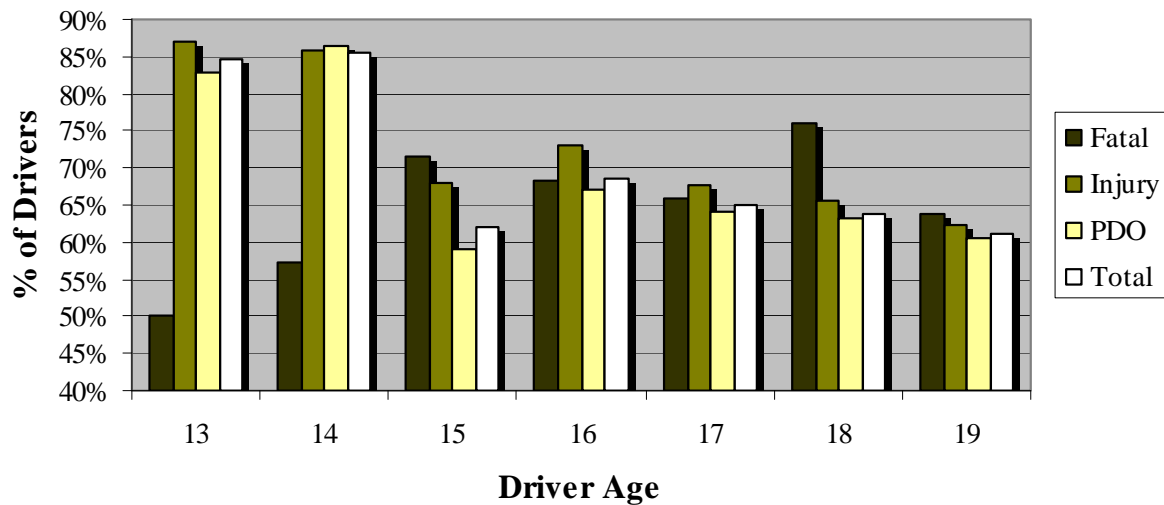
Contributing Driver Factors

This section analyzes contributing factors for drivers in multi-vehicle crashes. The frequencies at which contributing factors were indicated for teenage drivers and drivers over 19 were analyzed and compared. Additionally, contributing factors for teen drivers were further broken down by the type of contributing factor indicated.

Teen drivers in all types of multi-vehicle crashes between 2003 and 2008 were found to have contributing factors indicated on the crash report 1.36 times more often than drivers 20 and older. The disparity was slightly greater for more severe crashes. In general, younger teen drivers were more likely to have contributing factors indicated, although this did not hold true for fatal crashes, where 18 year old drivers were most likely to have contributing factors indicated. Also, 15 year old drivers overall were least likely to have contributing factors indicated, continuing the trends observed thus far. The charts below show these statistics.



**Percentage of Teen Drivers In Mutli-Vehicle
Crashes With Contributing Factors Indicated on
the Crash Report by Crash Type and Age,
Tennessee, 2003 - 2008**



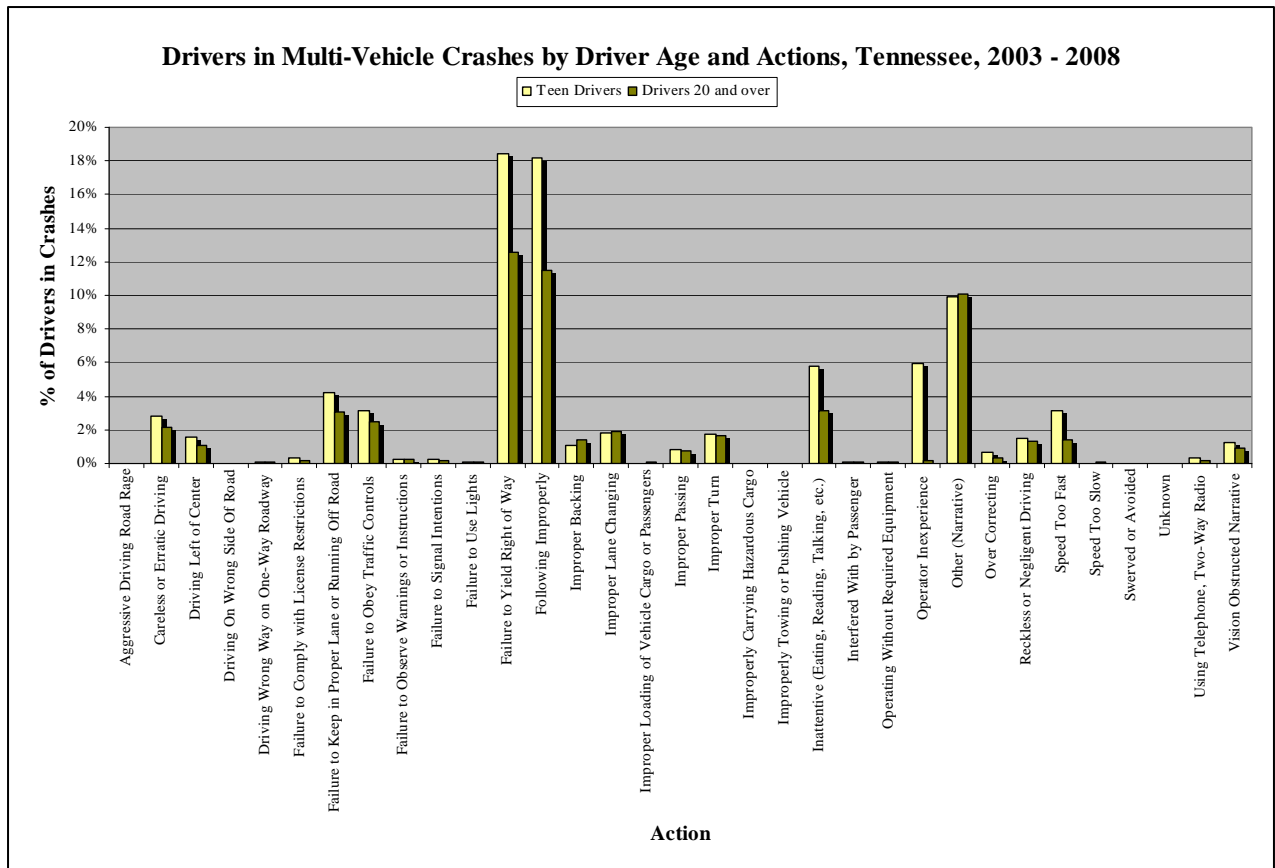
Of the 33 possible driver actions, 23 were more likely to be indicated on the crash report for teen drivers than for drivers over 20 years old. The top five contributing driver actions for teen drivers in multi-vehicle crashes were:

- 1) Failure to yield right of way
- 2) Following improperly
- 3) Other
- 4) Operator inexperience
- 5) Inattentive

The previous list is very similar to that for drivers 20 and older, with the exception of "Operator inexperience." Actions that were over-represented by at least a factor of two among teen drivers with respect to drivers over 19 were:

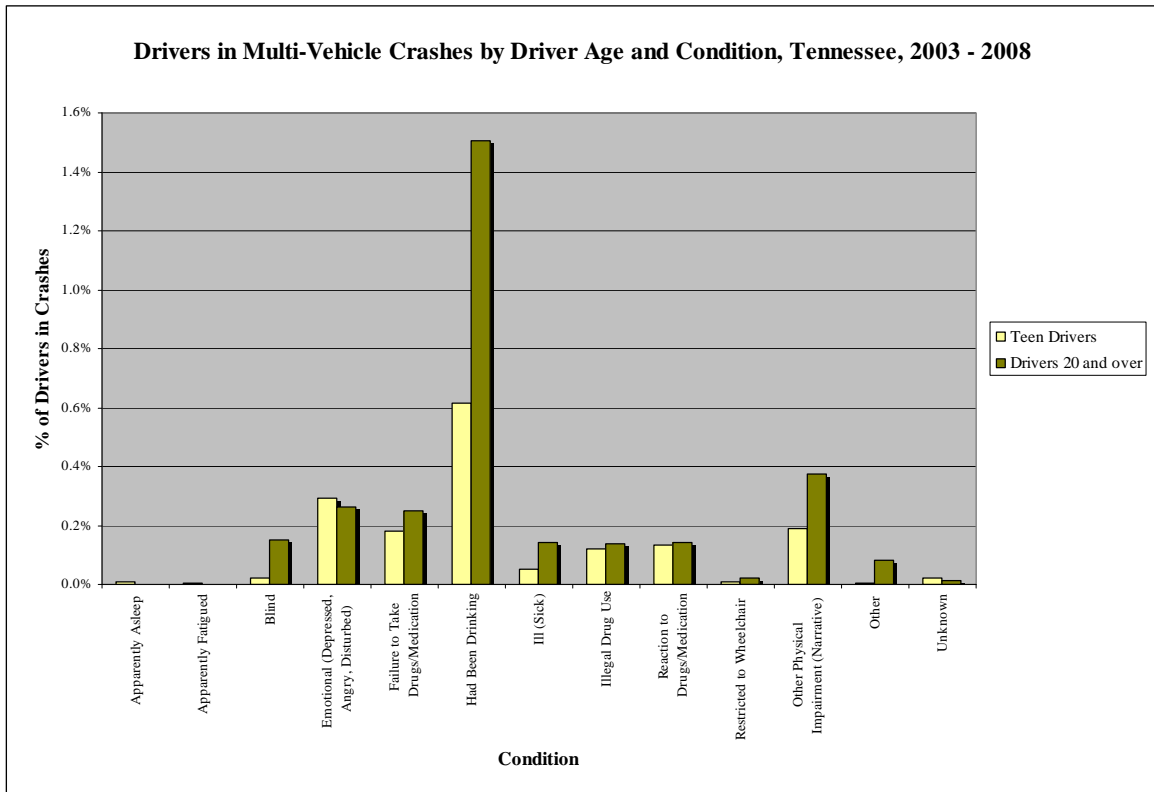
- 1) Operator inexperience
- 2) Speed too fast
- 3) Using telephone or two-way radio
- 4) Over correcting
- 5) Failure to comply with license restrictions
- 6) Operating without required equipment

The chart below illustrates these data.



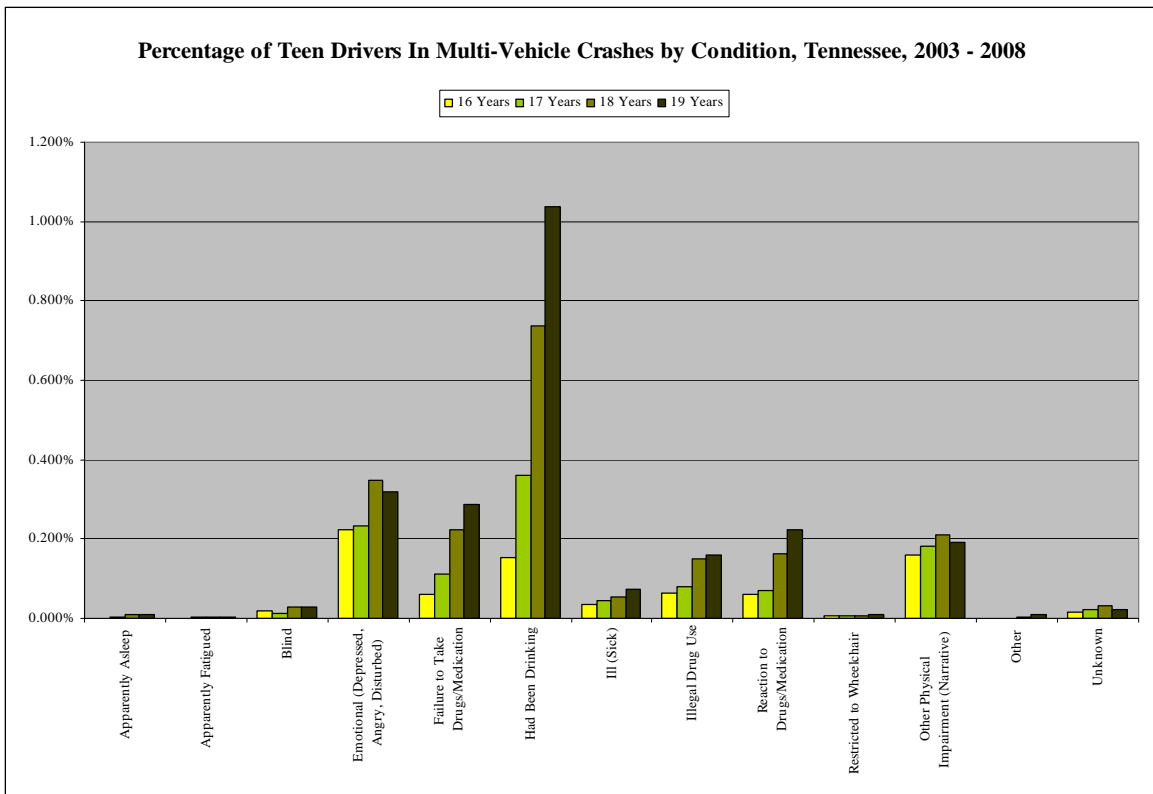
The chart above not only supports the observation made earlier that teen drivers were more likely to have contributing factors indicated than other drivers, but also suggests that certain actions, especially "Speed Too Fast" were more likely for teen drivers than for others.

Driver conditions are the other group of contributing factors that may be indicated on the crash report. In general, teen drivers were less likely to have driver conditions indicated in a multi-vehicle crash than drivers 20 and older. The distribution of driver factors for teen drivers was roughly analogous to that for those 20 and older, with "Had Been Drinking" as the most common factor for both age groups. This was followed by physical impairment, emotional, and failure to take medication. The chart below shows the breakdown for all driver conditions by age group.



The graph on the next page shows the distribution of driver conditions among teen drivers by age. Eliminating 13 through 15 year olds due to very small sample sizes, it can be seen that for most conditions the frequency increases with driver age. "Emotional" and "Other Physical Impairment" were the exceptions to this observation. While teens were less frequently indicated having contributing conditions than drivers over 19, "Emotional" was overrepresented among

teen drivers. "Apparently Asleep" and "Apparently Fatigued" were also overrepresented among teen drivers but the small sample size (12 drivers) renders these data dubious.



Supporting Data

Teen Drivers in Fatal Crashes in Tennessee, 2003 - 2008

Sex	Age	2003	2004	2005	2006	2007	2008	Total
Male	13	1	0	0	1	3	1	6
	14	1	2	2	3	2	1	11
	15	2	7	2	3	2	2	18
	16	11	18	18	19	11	15	92
	17	21	28	24	20	22	13	128
	18	38	47	41	44	39	36	245
	19	31	36	36	36	41	22	202
	Total	105	138	123	126	120	90	702
Female	13	0	0	0	0	0	0	0
	14	1	1	1	1	0	0	4
	15	0	4	1	0	1	3	9
	16	11	16	14	9	11	6	67
	17	11	13	16	15	8	8	71
	18	15	16	18	13	14	12	88
	19	8	14	8	7	15	8	60
	Total	46	64	58	45	49	37	299
Unknown Sex	13	0	0	0	0	0	0	0
	14	0	0	0	0	0	0	0
	15	0	0	0	0	0	0	0
	16	1	0	0	0	0	0	1
	17	0	0	0	0	0	0	0
	18	1	0	0	1	0	0	2
	19	0	0	0	1	0	0	1
	Total	2	0	0	2	0	0	4
Grand Total	153	202	181	173	169	127	1,005	

Teen Drivers in Crashes in Tennessee, 2003 - 2008

Sex	Age	2003	2004	2005	2006	2007	2008	Total
Male	13	31	24	35	23	29	18	160
	14	87	78	80	58	69	55	427
	15	287	285	346	345	290	251	1,804
	16	3,851	4,251	4,144	4,113	3,852	3,307	23,518
	17	4,811	5,387	5,174	5,017	4,721	4,154	29,264
	18	6,140	6,839	6,497	6,333	6,177	5,444	37,430
	19	5,534	6,405	6,223	5,666	5,506	4,985	34,319
	Total	20,741	23,269	22,499	21,555	20,644	18,214	126,922
Female	13	16	26	20	10	14	11	97
	14	52	41	43	25	21	34	216
	15	249	256	248	240	203	162	1,358
	16	3,648	3,896	3,778	3,783	3,629	3,054	21,788
	17	4,140	4,441	4,318	4,524	4,304	3,767	25,494
	18	4,444	5,094	4,994	4,915	4,840	4,345	28,632
	19	4,156	4,685	4,489	4,627	4,423	4,033	26,413
	Total	16,705	18,439	17,890	18,124	17,434	15,406	103,998
Unknown	13	0	0	1	0	0	0	1
	14	1	2	0	1	1	0	5
	15	2	5	5	6	1	2	21
	16	27	42	52	43	50	33	247
	17	54	58	74	46	54	47	333
	18	71	69	91	80	75	68	454
	19	48	60	71	47	66	51	343
	Total	203	236	294	223	247	201	1,404
Grand Total	37,649	41,944	40,683	39,902	38,325	33,821	232,324	

**Fatal Crashes Involving Teen Drivers by County and Reporting Agency
Tennessee, 2003 - 2007**

County	THP	Sheriff's Office	City/Metro PD	Campus Police	National Park Service	Others	Total
Anderson	661	323	1,495	0	0	0	2,479
Bedford	639	76	976	0	0	0	1,691
Benton	238	9	129	0	0	0	376
Bledsoe	104	65	6	0	0	0	175
Blount	432	1,282	2,582	0	0	10	4,306
Bradley	380	1,128	1,900	1	0	17	3,426
Campbell	261	335	604	0	0	2	1,202
Cannon	90	207	129	0	0	0	426
Carroll	400	41	274	1	0	3	719
Carter	257	496	841	0	0	3	1,597
Cheatham	341	518	366	0	0	0	1,225
Chester	236	2	248	0	0	1	487
Claiborne	184	328	291	0	0	4	807
Clay	95	1	0	0	0	0	96
Cocke	191	355	490	0	0	0	1,036
Coffee	304	403	1,530	0	0	10	2,247
Crockett	182	62	38	0	0	0	282
Cumberland	543	443	786	0	0	7	1,779
Davidson	96	9	18,675	89	1	91	18,961
Decatur	219	1	75	0	0	3	298
De Kalb	133	197	216	0	0	2	548
Dickson	610	260	930	0	0	2	1,802
Dyer	462	34	604	0	0	10	1,110
Fayette	181	223	178	0	0	0	582
Fentress	79	134	1	0	0	1	215
Franklin	187	269	675	33	0	1	1,165
Gibson	556	4	651	0	0	2	1,213
Giles	660	0	93	0	0	1	754
Grainger	124	289	134	0	0	1	548
Greene	293	1,243	1,172	0	0	6	2,714
Grundy	124	51	50	0	0	0	225
Hamblen	127	460	1,675	0	0	3	2,265
Hamilton	87	1,621	9,133	0	0	16	10,857
Hancock	63	76	10	0	0	0	149
Hardeman	313	12	239	0	0	0	564
Hardin	490	0	386	0	0	9	885
Hawkins	421	525	690	0	0	0	1,636
Haywood	248	1	148	0	0	0	397
Henderson	552	0	625	0	0	3	1,180
Henry	396	19	376	0	0	2	793
Hickman	600	9	185	0	0	0	794
Houston	88	27	67	0	0	0	182
Humphreys	184	84	150	0	0	0	418
Jackson	207	23	34	0	0	0	264
Jefferson	255	642	562	0	0	5	1,464
Johnson	59	217	145	0	0	0	421
Knox	867	5,050	9,497	1	0	34	15,449
Lake	24	1	3	0	0	0	28

**Fatal Crashes Involving Teen Drivers by County and Reporting Agency
Tennessee, 2003 - 2007**

County	THP	Sheriff's Office	City/Metro PD	Campus Police	National Park Service	Others	Total
Lauderdale	247	23	257	0	0	0	527
Lawrence	718	1	757	0	0	2	1,478
Lewis	178	3	137	0	0	0	318
Lincoln	855	7	638	0	0	0	1,500
Loudon	363	400	632	0	0	1	1,396
McMinn	491	469	878	0	0	0	1,838
McNairy	401	1	185	0	0	1	588
Macon	297	134	286	0	0	1	718
Madison	374	584	3,260	0	0	2	4,220
Marion	336	87	311	0	0	0	734
Marshall	446	9	472	0	0	1	928
Maury	995	89	1,469	0	0	1	2,554
Meigs	120	78	0	0	0	1	199
Monroe	391	149	578	0	0	0	1,118
Montgomery	979	66	3,664	22	0	6	4,737
Moore	159	30	1	0	0	0	190
Morgan	333	99	3	0	0	0	435
Obion	307	84	587	0	0	0	978
Overton	96	260	239	2	0	1	598
Perry	159	55	0	0	0	0	214
Pickett	61	0	5	0	0	0	66
Polk	175	161	36	0	0	0	372
Putnam	470	425	1,848	19	0	4	2,766
Rhea	85	305	311	0	0	1	702
Roane	604	110	767	0	0	2	1,483
Robertson	646	102	1,010	0	0	3	1,761
Rutherford	1,253	938	7,703	107	0	10	10,011
Scott	130	66	263	0	0	0	459
Sequatchie	88	71	108	0	0	0	267
Sevier	178	1,422	2,153	0	3	3	3,759
Shelby	295	2,159	25,945	12	0	89	28,500
Smith	362	54	290	0	0	0	706
Stewart	184	113	30	0	0	0	327
Sullivan	561	1,335	3,408	4	0	11	5,319
Sumner	1,031	314	3,761	8	0	0	5,114
Tipton	633	185	706	0	0	0	1,524
Trousdale	135	146	3	0	0	0	284
Unicoi	108	115	225	0	0	0	448
Union	202	184	57	0	0	6	449
Van Buren	59	35	23	0	0	1	118
Warren	254	405	713	0	0	0	1,372
Washington	328	1,076	3,169	72	0	1	4,646
Wayne	339	14	99	0	1	2	455
Weakley	298	45	392	8	0	0	743
White	171	159	409	0	0	0	739
Williamson	1,183	650	3,361	0	0	4	5,198
Wilson	1,189	3	1,974	0	0	6	3,172
Unknown	15	180	29	1	1	12	238
Total	33,525	30,955	133,216	380	6	421	198,503

**Crashes Involving a Teen Driver by County and Reporting Agency
Tennessee, 2003 - 2007**

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Anderson	661	323	1,495	0	0	0	2,479
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Bledsoe	104	65	6	0	0	0	175
Blount	432	1,282	2,582	0	0	10	4,306
Bradley	380	1,128	1,900	1	0	17	3,426
Campbell	261	335	604	0	0	2	1,202
Cannon	90	207	129	0	0	0	426
Carroll	400	41	274	1	0	3	719
Carter	257	496	841	0	0	3	1,597
Cheatham	341	518	366	0	0	0	1,225
Chester	236	2	248	0	0	1	487
Claiborne	184	328	291	0	0	4	807
Clay	95	1	0	0	0	0	96
Cocke	191	355	490	0	0	0	1,036
Coffee	304	403	1,530	0	0	10	2,247
Crockett	182	62	38	0	0	0	282
Cumberland	543	443	786	0	0	7	1,779
Davidson	96	9	18,675	89	1	91	18,961
Decatur	219	1	75	0	0	3	298
De Kalb	133	197	216	0	0	2	548
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Dyer	462	34	604	0	0	10	1,110
Fayette	181	223	178	0	0	0	582
Fentress	79	134	1	0	0	1	215
Franklin	187	269	675	33	0	1	1,165
Gibson	556	4	651	0	0	2	1,213
Giles	660	0	93	0	0	1	754
Grainger	124	289	134	0	0	1	548
Greene	293	1,243	1,172	0	0	6	2,714
Grundy	124	51	50	0	0	0	225
Hamblen	127	460	1,675	0	0	3	2,265
Hamilton	87	1,621	9,133	0	0	16	10,857
Hancock	63	76	10	0	0	0	149
Hardeman	313	12	239	0	0	0	564
Hardin	490	0	386	0	0	9	885
Hawkins	421	525	690	0	0	0	1,636
Haywood	248	1	148	0	0	0	397
Henderson	552	0	625	0	0	3	1,180
Henry	396	19	376	0	0	2	793
Hickman	600	9	185	0	0	0	794
Houston	88	27	67	0	0	0	182
Humphreys	184	84	150	0	0	0	418
Jackson	207	23	34	0	0	0	264
Jefferson	255	642	562	0	0	5	1,464
Johnson	59	217	145	0	0	0	421
Knox	867	5,050	9,497	1	0	34	15,449
Lake	24	1	3	0	0	0	28

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Loudon	363	400	632	0	0	1	1,396
McMinn	491	469	878	0	0	0	1,838
McNairy	401	1	185	0	0	1	588
Macon	297	134	286	0	0	1	718
Madison	374	584	3,260	0	0	2	4,220
Marion	336	87	311	0	0	0	734
Marshall	446	9	472	0	0	1	928
Maury	995	89	1,469	0	0	1	2,554
Meigs	120	78	0	0	0	1	199
Monroe	391	149	578	0	0	0	1,118
Montgomery	979	66	3,664	22	0	6	4,737
Moore	159	30	1	0	0	0	190
Morgan	333	99	3	0	0	0	435
Obion	307	84	587	0	0	0	978
Overton	96	260	239	2	0	1	598
Perry	159	55	0	0	0	0	214
Pickett	61	0	5	0	0	0	66
Polk	175	161	36	0	0	0	372
Putnam	470	425	1,848	19	0	4	2,766
Rhea	85	305	311	0	0	1	702
Roane	604	110	767	0	0	2	1,483
Robertson	646	102	1,010	0	0	3	1,761
Rutherford	1,253	938	7,703	107	0	10	10,011
Scott	130	66	263	0	0	0	459
Sequatchie	88	71	108	0	0	0	267
Sevier	178	1,422	2,153	0	3	3	3,759
Shelby	295	2,159	25,945	12	0	89	28,500
Smith	362	54	290	0	0	0	706
Stewart	184	113	30	0	0	0	327
Sullivan	561	1,335	3,408	4	0	11	5,319
Sumner	1,031	314	3,761	8	0	0	5,114
Tipton	633	185	706	0	0	0	1,524
Trousdale	135	146	3	0	0	0	284
Unicoi	108	115	225	0	0	0	448
Union	202	184	57	0	0	6	449
Van Buren	59	35	23	0	0	1	118
Warren	254	405	713	0	0	0	1,372
Washington	328	1,076	3,169	72	0	1	4,646
Wayne	339	14	99	0	1	2	455
Weakley	298	45	392	8	0	0	743
White	171	159	409	0	0	0	739
Williamson	1,183	650	3,361	0	0	4	5,198
Wilson	1,189	3	1,974	0	0	6	3,172
Unknown	15	180	29	1	1	12	238
Total	33,525	30,955	133,216	380	6	421	198,503

**Drivers in Crashes by Route Signage
Tennessee, 2003 - 2008**

Teen Drivers

Fatal Crashes							
	2003	2004	2005	2006	2007	2008	Total
Interstate	5.9%	8.4%	6.1%	9.2%	8.9%	9.4%	8.0%
US Route	14.4%	14.4%	22.7%	12.1%	13.6%	18.9%	15.9%
State Route	24.2%	28.7%	16.6%	25.4%	26.0%	30.7%	25.1%
County Route	34.0%	31.2%	37.6%	34.1%	35.5%	29.1%	33.7%
Municipal Route	18.3%	14.9%	17.1%	18.5%	15.4%	10.2%	15.9%
Unknown	3.3%	2.5%	0.0%	0.6%	0.6%	1.6%	1.4%
Total Crashes							
	2003	2004	2005	2006	2007	2008	Total
Interstate	5.5%	5.2%	5.2%	5.1%	5.4%	5.3%	5.3%
US Route	12.4%	12.4%	12.9%	12.5%	12.9%	11.9%	12.5%
State Route	22.1%	21.6%	21.4%	21.9%	20.8%	21.3%	21.5%
County Route	20.0%	21.0%	20.8%	20.3%	20.1%	20.1%	20.4%
Municipal Route	37.5%	37.1%	37.1%	37.7%	38.2%	38.5%	37.6%
Unknown	2.6%	2.7%	2.7%	2.5%	2.8%	2.8%	2.7%

Drivers Over 19

Fatal Crashes							
	2003	2004	2005	2006	2007	2008	Total
Interstate	15.6%	13.4%	15.6%	12.8%	15.5%	15.2%	14.6%
US Route	20.0%	19.4%	15.7%	20.8%	19.1%	20.5%	19.1%
State Route	31.6%	31.8%	29.8%	29.3%	30.0%	28.7%	30.3%
County Route	17.3%	17.7%	17.7%	17.1%	17.3%	16.6%	17.3%
Municipal Route	14.5%	16.2%	20.1%	18.5%	17.5%	17.6%	17.5%
Unknown	1.0%	1.6%	1.1%	1.6%	0.7%	1.5%	1.2%
Total Crashes							
	2003	2004	2005	2006	2007	2008	Total
Interstate	11.0%	10.5%	10.3%	10.6%	10.6%	10.7%	10.6%
US Route	13.0%	13.3%	13.5%	13.5%	13.7%	13.4%	13.4%
State Route	21.3%	21.2%	20.7%	20.6%	20.2%	20.1%	20.7%
County Route	11.2%	11.9%	11.8%	11.8%	11.3%	11.6%	11.6%
Municipal Route	40.3%	40.1%	40.3%	39.9%	40.7%	40.9%	40.4%
Unknown	3.1%	3.0%	3.4%	3.5%	3.5%	3.4%	3.3%

**Drivers in Crashes by Roadway Surface Conditions
Tennessee, 2003 - 2008**

Teen Drivers

Fatal Crashes							
	2003	2004	2005	2006	2007	2008	Total
Dry	73.2%	84.2%	85.6%	84.4%	87.6%	81.1%	83.0%
Wet	24.2%	14.9%	13.8%	13.3%	11.8%	16.5%	15.5%
Snow or Slush	0.0%	0.5%	0.0%	0.6%	0.0%	0.8%	0.3%
Ice	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
Sand, Mud, Dirt or Oil	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unknown	2.0%	0.5%	0.6%	1.7%	0.6%	1.6%	1.1%
Total Crashes							
	2003	2004	2005	2006	2007	2008	Total
Dry	72.9%	72.6%	76.0%	75.3%	78.5%	74.6%	75.0%
Wet	23.7%	24.9%	22.4%	22.8%	19.7%	23.3%	22.8%
Snow or Slush	1.2%	0.4%	0.1%	0.4%	0.5%	0.5%	0.5%
Ice	0.9%	0.8%	0.2%	0.4%	0.4%	0.6%	0.5%
Sand, Mud, Dirt or Oil	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
Unknown	1.3%	1.3%	1.2%	1.0%	1.0%	0.9%	1.1%

Other Drivers

Fatal Crashes							
	2003	2004	2005	2006	2007	2008	Total
Dry	82.6%	82.3%	85.6%	83.8%	86.2%	85.4%	84.3%
Wet	15.1%	16.0%	13.3%	13.9%	12.7%	12.8%	14.0%
Snow or Slush	0.9%	0.2%	0.1%	0.8%	0.2%	0.3%	0.4%
Ice	0.4%	0.4%	0.0%	0.3%	0.1%	0.6%	0.3%
Sand, Mud, Dirt or Oil	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unknown	1.0%	1.0%	1.0%	1.1%	0.8%	0.9%	1.0%
Total Crashes							
	2003	2004	2005	2006	2007	2008	Total
Dry	75.9%	75.4%	80.0%	79.0%	82.2%	78.2%	78.5%
Wet	20.0%	21.1%	17.8%	18.3%	15.4%	18.7%	18.6%
Snow or Slush	1.3%	0.5%	0.1%	0.4%	0.5%	0.6%	0.6%
Ice	1.0%	1.1%	0.2%	0.4%	0.3%	0.9%	0.7%
Sand, Mud, Dirt or Oil	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unknown	1.7%	1.8%	1.8%	1.8%	1.7%	1.5%	1.7%

**Teen Drivers in Crashes by Weather Conditions
Tennessee, 2003 - 2008**

Weather Conditions	Driver Age								
	13	14	15	16	17	18	19	Total	20+
Fatal									
Clear	83.3%	100.0%	92.6%	86.9%	85.5%	85.7%	88.6%	87.0%	84.6%
Rain	16.7%	0.0%	7.4%	10.6%	11.5%	9.9%	9.5%	10.0%	9.9%
Fog	0.0%	0.0%	0.0%	0.6%	1.5%	2.4%	0.8%	1.4%	1.2%
Other	0.0%	0.0%	0.0%	1.3%	1.5%	2.1%	0.4%	1.3%	1.3%
Unknown	0.0%	0.0%	0.0%	0.6%	0.0%	0.3%	0.8%	0.4%	0.7%
Injury									
Clear	93.6%	88.9%	87.2%	80.1%	79.8%	80.7%	81.4%	80.7%	82.7%
Rain	4.3%	9.5%	10.5%	17.6%	17.6%	16.8%	16.1%	16.8%	14.5%
Fog	0.0%	0.0%	0.4%	0.8%	0.7%	0.6%	0.6%	0.7%	0.4%
Other	0.7%	0.7%	1.0%	1.1%	1.4%	1.3%	1.3%	1.3%	1.3%
Unknown	1.4%	1.0%	0.8%	0.6%	0.7%	0.7%	0.7%	0.7%	0.7%
Property Damage Only									
Clear	91.1%	88.8%	83.4%	77.4%	77.8%	77.8%	78.2%	77.9%	81.4%
Rain	8.0%	10.0%	14.9%	20.1%	19.5%	19.3%	18.6%	19.3%	15.5%
Fog	0.0%	0.6%	0.2%	0.6%	0.6%	0.6%	0.6%	0.6%	0.4%
Other	0.0%	0.0%	0.7%	1.4%	1.5%	1.7%	1.8%	1.6%	1.6%
Unknown	0.9%	1.2%	0.8%	0.7%	0.8%	0.8%	0.9%	0.8%	0.9%
Total									
Clear	92.2%	89.1%	84.9%	78.2%	78.4%	78.7%	79.2%	78.8%	81.8%
Rain	6.2%	9.5%	13.2%	19.4%	18.9%	18.5%	17.9%	18.5%	15.2%
Fog	0.0%	0.3%	0.3%	0.7%	0.7%	0.6%	0.6%	0.6%	0.4%
Other	0.4%	0.3%	0.8%	1.3%	1.5%	1.6%	1.6%	1.5%	1.5%
Unknown	1.2%	1.1%	0.8%	0.7%	0.8%	0.7%	0.9%	0.8%	0.9%

Source: TN Dept of Safety, Office of Research, Statistics, and Analysis, 27 Jul 2009.

Teen Drivers in Crashes by Light Conditions Tennessee, 2003 - 2008

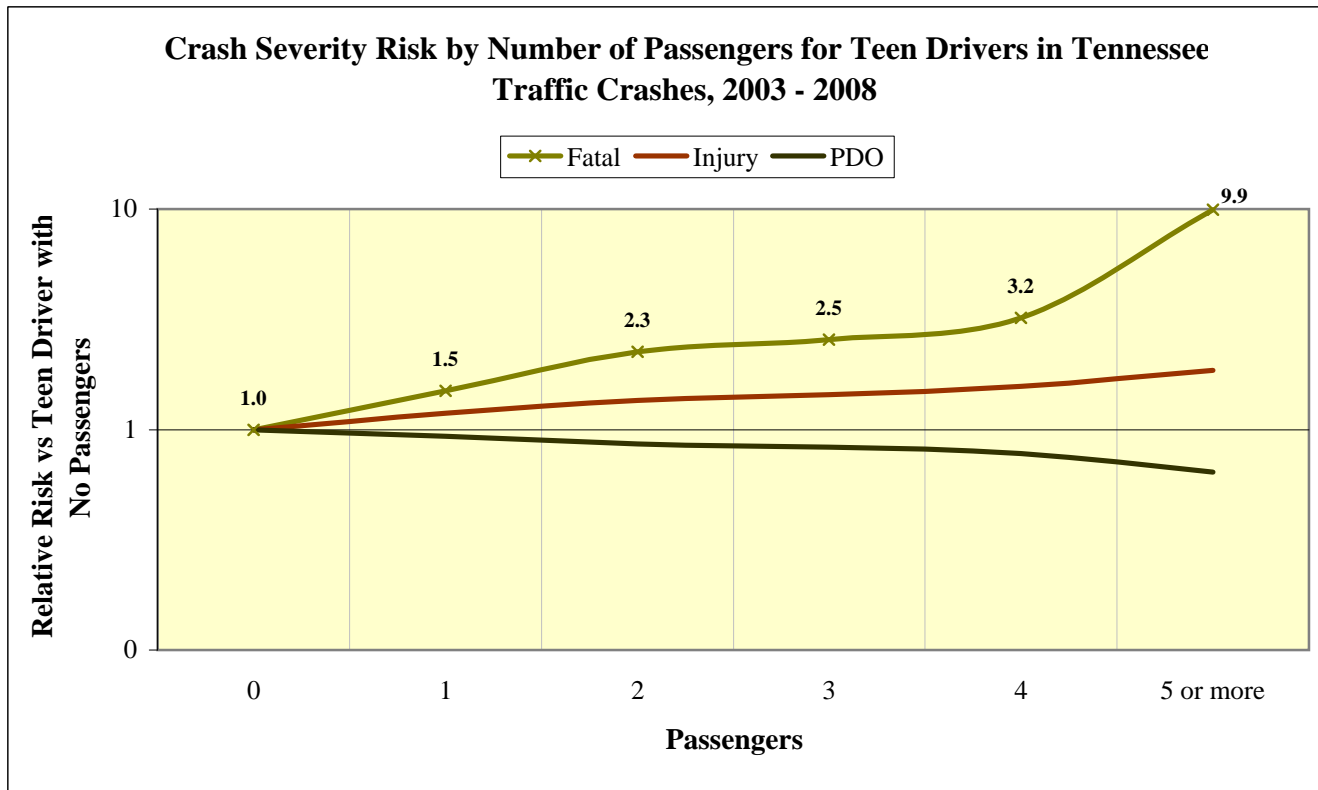
Light Conditions	Driver Age								
	13	14	15	16	17	18	19	Total	20+
Fatal									
Dark-Lighted	16.7%	0.0%	3.7%	5.0%	6.5%	12.8%	14.4%	10.3%	13.0%
Dark-Not Lighted	0.0%	6.7%	25.9%	32.5%	35.0%	34.0%	34.6%	33.3%	25.0%
Dark-Unknown Lighting	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dawn	0.0%	0.0%	3.7%	1.3%	1.0%	1.2%	2.3%	1.5%	1.8%
Daylight	83.3%	86.7%	66.7%	60.0%	56.0%	47.5%	44.9%	51.8%	55.1%
Dusk	0.0%	6.7%	0.0%	1.3%	1.5%	3.3%	2.7%	2.4%	2.1%
Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unknown	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	1.1%	0.7%	0.9%
Injury									
Dark-Lighted	7.1%	10.5%	11.9%	11.5%	13.2%	16.1%	16.8%	14.6%	13.5%
Dark-Not Lighted	10.7%	16.6%	14.5%	15.0%	14.9%	15.3%	14.3%	14.9%	9.6%
Dark-Unknown Lighting	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dawn	0.7%	0.0%	0.3%	0.9%	0.8%	0.8%	0.8%	0.8%	1.0%
Daylight	78.6%	69.9%	70.6%	70.2%	68.5%	65.5%	65.7%	67.3%	73.4%
Dusk	2.9%	2.0%	2.1%	1.9%	2.0%	1.7%	1.6%	1.8%	1.6%
Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unknown	0.0%	1.0%	0.6%	0.5%	0.7%	0.6%	0.8%	0.7%	0.8%
Property Damage Only									
Dark-Lighted	17.0%	16.2%	11.9%	12.3%	13.6%	15.8%	16.7%	14.7%	12.8%
Dark-Not Lighted	17.0%	12.7%	10.5%	11.0%	10.3%	11.6%	11.2%	11.1%	8.1%
Dark-Unknown Lighting	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dawn	0.0%	0.9%	0.4%	0.7%	0.7%	0.7%	0.7%	0.7%	1.0%
Daylight	62.5%	66.4%	74.2%	73.6%	72.9%	69.9%	69.0%	71.2%	75.7%
Dusk	2.7%	3.2%	2.0%	1.8%	1.7%	1.5%	1.6%	1.7%	1.5%
Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unknown	0.9%	0.6%	0.9%	0.6%	0.7%	0.7%	0.8%	0.7%	0.9%
Total									
Dark-Lighted	11.6%	13.2%	11.8%	12.0%	13.4%	15.9%	16.7%	14.7%	13.0%
Dark-Not Lighted	13.2%	14.3%	12.1%	12.2%	11.7%	12.8%	12.2%	12.3%	8.6%
Dark-Unknown Lighting	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dawn	0.4%	0.5%	0.4%	0.8%	0.7%	0.7%	0.7%	0.7%	1.0%
Daylight	71.7%	68.5%	72.9%	72.6%	71.6%	68.5%	67.9%	69.9%	74.9%
Dusk	2.7%	2.8%	2.0%	1.9%	1.8%	1.5%	1.6%	1.7%	1.5%
Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unknown	0.4%	0.8%	0.8%	0.6%	0.7%	0.7%	0.8%	0.7%	0.9%

**Percentage of Drivers in Multi-Vehicle Crashes by Age
Tennessee, 2003 - 2008**

		Year						
		2003	2004	2005	2006	2007	2008	Total
Driver Age	Under 13	85%	87%	86%	85%	86%	86%	86%
	13 Years	64%	46%	73%	67%	58%	62%	62%
	14 Years	56%	64%	47%	52%	58%	54%	55%
	15 Years	68%	72%	72%	70%	71%	68%	70%
	16 Years	72%	73%	72%	72%	72%	72%	72%
	17 Years	76%	76%	76%	77%	77%	76%	76%
	18 Years	75%	75%	76%	76%	76%	76%	76%
	19 Years	76%	77%	77%	78%	77%	77%	77%
	Over 19	84%	85%	85%	85%	85%	84%	85%
	Unknown	72%	82%	81%	83%	84%	83%	82%

Crash Severity (Relative Risk) for Teen Drivers by Number of Passengers Tennessee 2003 - 2008

Passengers	Crash Severity Risk		
	Fatal	Injury	PDO
0	1.0	1.0	1.0
1	1.5	1.2	0.9
2	2.3	1.4	0.9
3	2.5	1.4	0.8
4	3.2	1.6	0.8
5 or more	9.9	1.9	0.6
UNK	0.0	0.7	1.1



**Percentage of Teen Drivers in Crashes by Number of Passengers
Tennessee, 2003 - 2008**

Passengers	Fatal	Injury	Property Damage Only	Total
0	51.6%	60.4%	67.7%	65.5%
1	29.2%	27.0%	23.8%	24.7%
2	11.8%	8.3%	5.9%	6.7%
3	4.7%	3.1%	2.0%	2.3%
4	1.6%	0.9%	0.5%	0.6%
5 or more	0.8%	0.2%	0.1%	0.1%
UNK	0.3%	0.0%	0.0%	0.0%

**2008 data are preliminary.*

Source: TN Dept of Safety, Office of Research, Statistics, and Analysis, 26 Aug 2009.

**Teen Drivers in Crashes by Month and Day of Week
Tennessee, 2003 - 2008**

Month	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Unknown	Total
Jan	0.90%	0.70%	0.50%	0.70%	0.20%	1.29%	1.59%	0.00%	5.87%
Feb	1.00%	0.20%	0.60%	1.39%	0.70%	1.49%	1.49%	0.00%	6.87%
Mar	1.00%	1.09%	1.19%	0.90%	1.00%	1.59%	0.60%	0.00%	7.36%
Apr	1.00%	1.00%	0.90%	0.80%	0.90%	1.39%	1.39%	0.00%	7.36%
May	0.90%	1.29%	1.29%	1.29%	0.90%	0.80%	1.89%	0.00%	8.36%
Jun	2.39%	1.09%	0.80%	0.90%	1.49%	1.09%	2.09%	0.00%	9.85%
Jul	1.39%	1.59%	1.59%	0.90%	1.00%	1.49%	1.89%	0.00%	9.85%
Aug	1.29%	1.00%	1.69%	1.00%	0.70%	1.39%	1.89%	0.00%	8.96%
Sep	0.80%	0.90%	1.59%	1.29%	0.80%	1.09%	1.39%	0.00%	7.86%
Oct	2.19%	1.00%	0.90%	1.09%	1.29%	1.49%	1.69%	0.00%	9.65%
Nov	0.90%	1.09%	1.19%	1.00%	1.00%	1.99%	2.49%	0.00%	9.65%
Dec	1.19%	0.90%	1.19%	1.69%	0.70%	1.19%	1.49%	0.00%	8.36%
Total	14.93%	11.84%	13.43%	12.94%	10.65%	16.32%	19.90%	0.00%	100.00%

Source: TN Dept of Safety, Office of Research, Statistics, and Analysis, 24 Aug 2009.

**Teen Drivers in Crashes by Time of Day
Tennessee, 2003 - 2008**

Time of Day	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Total
0000 - 0059	0.90%	0.00%	0.30%	0.20%	0.60%	0.50%	1.19%	3.68%
0100 - 0159	0.90%	0.20%	0.70%	0.40%	0.20%	0.50%	0.70%	3.58%
0200 - 0259	1.09%	0.30%	0.20%	0.20%	0.30%	0.20%	0.90%	3.18%
0300 - 0359	1.09%	0.10%	0.30%	0.10%	0.00%	0.30%	1.09%	2.99%
0400 - 0459	0.40%	0.10%	0.00%	0.20%	0.20%	0.20%	0.60%	1.69%
0500 - 0559	0.30%	0.00%	0.10%	0.20%	0.00%	0.50%	0.40%	1.49%
0600 - 0659	0.10%	0.20%	0.80%	0.20%	0.20%	0.20%	0.50%	2.19%
0700 - 0759	0.30%	0.90%	0.90%	0.80%	0.40%	1.19%	0.70%	5.17%
0800 - 0859	0.20%	0.20%	0.10%	0.10%	0.40%	0.40%	0.20%	1.59%
0900 - 0959	0.20%	0.10%	0.40%	0.30%	0.00%	0.70%	0.30%	1.99%
1000 - 1059	0.30%	0.30%	0.40%	0.10%	0.30%	0.30%	0.60%	2.29%
1100 - 1159	0.20%	0.40%	0.20%	0.80%	0.20%	0.50%	0.70%	2.99%
1200 - 1259	0.60%	0.60%	0.60%	0.40%	0.40%	0.80%	1.00%	4.38%
1300 - 1359	0.50%	0.40%	0.60%	0.50%	0.90%	0.50%	0.90%	4.28%
1400 - 1459	1.00%	0.40%	0.60%	0.70%	1.29%	0.60%	0.50%	5.07%
1500 - 1559	1.19%	1.39%	1.69%	1.29%	1.00%	0.80%	0.80%	8.16%
1600 - 1659	1.29%	0.80%	1.09%	1.00%	0.50%	0.80%	0.90%	6.37%
1700 - 1759	0.70%	1.19%	0.60%	1.29%	0.50%	1.19%	0.70%	6.17%
1800 - 1859	0.40%	0.70%	0.60%	0.60%	0.80%	0.50%	1.09%	4.68%
1900 - 1959	0.90%	0.20%	0.60%	0.40%	0.20%	0.70%	0.90%	3.88%
2000 - 2059	0.30%	1.09%	1.19%	0.80%	0.50%	0.70%	0.60%	5.17%
2100 - 2159	0.60%	0.40%	0.60%	0.60%	0.80%	1.59%	1.09%	5.67%
2200 - 2259	0.40%	1.00%	0.40%	0.90%	0.60%	1.29%	1.79%	6.37%
2300 - 2359	0.50%	0.70%	0.40%	0.50%	0.40%	1.00%	1.09%	4.58%
Unknown	0.60%	0.20%	0.10%	0.40%	0.00%	0.40%	0.70%	2.39%
Total	14.93%	11.84%	13.43%	12.94%	10.65%	16.32%	19.90%	100.00%

Source: TN Dept of Safety, Office of Research, Statistics, and Analysis, 24 Aug 2009.

**Safety Equipment Use In Crashes: Teenage Motorists vs Motorists Over 19 Years Old
Tennessee, 2003 - 2008**

Person Age	Crash Type	Used Properly?			Risk Compared to 20+		
		Yes	No	Unk	Yes	No	Unk
13 Years	Fatal	49%	45%	7%	0.9	1.2	1.0
	Injury	76%	16%	8%	0.9	1.9	1.1
	Property Damage Only	83%	10%	7%	0.9	2.5	0.9
	Total	80%	12%	8%	0.9	2.2	1.0
14 Years	Fatal	43%	55%	2%	0.8	1.5	0.2
	Injury	74%	17%	8%	0.9	2.0	1.1
	Property Damage Only	84%	9%	7%	0.9	2.4	0.9
	Total	80%	12%	8%	0.9	2.3	1.0
15 Years	Fatal	47%	46%	7%	0.8	1.2	1.1
	Injury	75%	17%	8%	0.9	2.0	1.1
	Property Damage Only	85%	8%	7%	1.0	2.2	0.9
	Total	81%	11%	7%	0.9	2.1	1.0
16 Years	Fatal	48%	48%	5%	0.8	1.3	0.8
	Injury	83%	12%	6%	1.0	1.3	0.8
	Property Damage Only	91%	5%	5%	1.0	1.2	0.6
	Total	88%	7%	5%	1.0	1.3	0.6
17 Years	Fatal	44%	51%	6%	0.8	1.4	0.9
	Injury	82%	12%	6%	1.0	1.4	0.9
	Property Damage Only	91%	5%	5%	1.0	1.3	0.6
	Total	88%	7%	5%	1.0	1.3	0.7
18 Years	Fatal	47%	47%	6%	0.8	1.3	1.0
	Injury	80%	13%	7%	1.0	1.5	1.0
	Property Damage Only	90%	5%	5%	1.0	1.3	0.6
	Total	87%	8%	6%	1.0	1.4	0.7
19 Years	Fatal	44%	47%	9%	0.8	1.3	1.4
	Injury	81%	13%	7%	1.0	1.5	0.9
	Property Damage Only	90%	5%	5%	1.0	1.3	0.7
	Total	87%	7%	6%	1.0	1.4	0.7
Total	Fatal	46%	48%	6%	0.8	1.3	1.0
	Injury	80%	13%	7%	1.0	1.5	0.9
	Property Damage Only	89%	5%	5%	1.0	1.4	0.7
	Total	86%	8%	6%	1.0	1.5	0.7
20+ Years	Fatal	56%	37%	6%			
	Injury	84%	9%	7%			
	Property Damage Only	88%	4%	8%			
	Total	87%	5%	8%			

**Percentage of Drivers in Crashes Who Had Been Drinking by Age
Tennessee, 2003 - 2008**

	Driver Age	2003	2004	2005	2006	2007	2008	Total
Fatal	Under 13	N/A	N/A	N/A	N/A	0.00%	0.00%	0.00%
	13	0.00%	N/A	N/A	0.00%	0.00%	0.00%	0.00%
	14	0.00%	0.00%	50.00%	0.00%	0.00%	0.00%	7.14%
	15	50.00%	0.00%	0.00%	0.00%	20.00%	20.00%	10.00%
	16	11.54%	6.06%	3.23%	10.71%	4.17%	0.00%	6.10%
	17	17.14%	15.79%	18.42%	8.33%	11.76%	7.69%	13.53%
	18	19.30%	15.15%	5.17%	18.97%	20.69%	19.61%	16.38%
	19	15.91%	22.45%	13.95%	19.57%	16.39%	16.13%	17.52%
	Total Teens	16.77%	14.50%	10.23%	14.77%	14.81%	13.14%	14.07%
	Over 19	16.64%	18.69%	15.94%	18.81%	19.40%	15.61%	17.57%
	Unknown	8.33%	0.00%	0.00%	0.00%	5.56%	0.00%	2.53%
Injury	Under 13	3.00%	3.45%	7.82%	5.30%	4.44%	4.83%	3.46%
	13	0.00%	3.23%	3.03%	0.00%	0.00%	0.00%	1.45%
	14	1.61%	4.00%	3.39%	2.38%	6.25%	8.33%	4.04%
	15	2.08%	3.06%	0.92%	0.49%	1.69%	1.27%	1.57%
	16	1.13%	0.46%	1.09%	1.34%	1.05%	0.98%	1.00%
	17	1.80%	2.45%	2.81%	1.66%	2.41%	1.97%	2.20%
	18	3.67%	3.64%	4.20%	2.91%	3.68%	3.13%	3.55%
	19	4.32%	5.02%	4.65%	5.19%	5.17%	4.93%	4.89%
	Total Teens	2.86%	3.09%	3.35%	2.87%	3.23%	2.94%	3.06%
	Over 19	6.01%	5.55%	5.68%	5.56%	5.62%	5.71%	5.68%
	Unknown	4.05%	1.79%	2.25%	2.03%	1.97%	2.38%	2.13%
PDO	Under 13	1.41%	1.87%	2.79%	2.50%	1.67%	1.84%	1.68%
	13	0.00%	0.00%	0.00%	0.00%	4.17%	0.00%	0.89%
	14	1.32%	1.47%	0.00%	0.00%	0.00%	0.00%	0.59%
	15	1.45%	2.36%	2.12%	1.31%	0.96%	0.39%	1.49%
	16	0.43%	0.35%	0.43%	0.46%	0.47%	0.44%	0.43%
	17	0.77%	0.75%	0.83%	0.65%	0.68%	0.84%	0.75%
	18	1.66%	1.41%	1.48%	1.79%	1.45%	1.64%	1.57%
	19	1.59%	2.33%	2.30%	2.12%	1.93%	1.86%	2.03%
	Total Teens	1.17%	1.30%	1.33%	1.32%	1.19%	1.26%	1.27%
	Over 19	2.38%	2.45%	2.42%	2.46%	2.36%	2.53%	2.43%
	Unknown	0.46%	1.12%	1.22%	1.23%	1.41%	1.20%	1.23%
Total	Under 13	1.87%	2.59%	3.62%	2.99%	2.09%	2.25%	2.19%
	13	0.00%	2.00%	1.79%	0.00%	2.33%	0.00%	1.16%
	14	1.43%	2.48%	2.44%	1.19%	3.23%	3.37%	2.31%
	15	1.86%	2.56%	1.67%	1.02%	1.42%	0.96%	1.60%
	16	0.65%	0.40%	0.63%	0.76%	0.65%	0.59%	0.61%
	17	1.11%	1.29%	1.47%	0.97%	1.23%	1.19%	1.21%
	18	2.30%	2.14%	2.31%	2.22%	2.21%	2.16%	2.22%
	19	2.40%	3.19%	3.08%	3.13%	2.97%	2.82%	2.94%
	Total Teens	1.70%	1.89%	1.98%	1.84%	1.86%	1.80%	1.85%
	Over 19	3.45%	3.45%	3.47%	3.47%	3.41%	3.53%	3.46%
	Unknown	1.64%	1.19%	1.42%	1.37%	1.51%	1.41%	1.39%

**Percentage of Drivers in Crashes Who Had Used Drugs by Age
Tennessee, 2003 - 2008**

		2003	2004	2005	2006	2007	2008	Total
Fatal	Under 13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00%	0.00%	0.00%
	13	0.00%	#DIV/0!	#DIV/0!	100.00%	20.00%	0.00%	25.00%
	14	50.00%	0.00%	50.00%	0.00%	50.00%	0.00%	21.43%
	15	0.00%	27.27%	25.00%	0.00%	20.00%	20.00%	20.00%
	16	23.08%	30.30%	29.03%	32.14%	33.33%	22.73%	28.66%
	17	22.86%	42.11%	39.47%	19.44%	44.12%	30.77%	33.33%
	18	36.84%	40.91%	17.24%	41.38%	37.93%	31.37%	34.48%
	19	40.91%	30.61%	32.56%	30.43%	40.98%	25.81%	34.31%
	Total Teens	32.34%	35.50%	28.41%	31.25%	38.62%	27.74%	32.63%
	Over 19	25.35%	35.04%	27.83%	33.22%	39.29%	29.21%	31.73%
	Unknown	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Injury	Under 13	0.62%	0.61%	0.00%	0.62%	0.42%	1.21%	0.61%
	13	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	14	1.61%	0.00%	0.00%	0.00%	2.08%	0.00%	0.67%
	15	0.52%	0.00%	0.00%	0.98%	0.00%	0.00%	0.26%
	16	0.00%	0.04%	0.04%	0.00%	0.00%	0.00%	0.02%
	17	0.49%	0.00%	0.22%	0.22%	0.00%	0.57%	0.23%
	18	0.28%	0.00%	0.93%	0.12%	0.31%	0.76%	0.39%
	19	0.49%	0.84%	0.63%	0.86%	0.27%	0.93%	0.67%
	Total Teens	0.34%	0.23%	0.49%	0.33%	0.17%	0.61%	0.36%
	Over 19	0.64%	0.45%	0.77%	0.57%	0.62%	1.23%	0.70%
	Unknown	1.35%	0.22%	0.29%	0.20%	0.16%	0.18%	0.23%
PDO	Under 13	0.14%	0.23%	0.33%	0.26%	0.15%	0.24%	0.18%
	13	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	14	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	15	0.00%	0.29%	0.26%	0.52%	0.00%	0.39%	0.25%
	16	0.11%	0.16%	0.19%	0.11%	0.09%	0.15%	0.14%
	17	0.17%	0.23%	0.15%	0.21%	0.17%	0.19%	0.19%
	18	0.35%	0.32%	0.35%	0.44%	0.45%	0.36%	0.38%
	19	0.30%	0.41%	0.50%	0.59%	0.47%	0.45%	0.45%
	Total Teens	0.24%	0.29%	0.31%	0.36%	0.31%	0.31%	0.30%
	Over 19	0.31%	0.42%	0.39%	0.44%	0.44%	0.50%	0.42%
	Unknown	0.00%	0.16%	0.14%	0.16%	0.13%	0.12%	0.14%
Total	Under 13	0.28%	0.40%	0.27%	0.33%	0.19%	0.38%	0.31%
	13	0.00%	0.00%	0.00%	3.03%	2.33%	0.00%	0.78%
	14	1.43%	0.00%	0.81%	0.00%	2.15%	0.00%	0.77%
	15	0.19%	0.73%	0.33%	0.68%	0.20%	0.48%	0.44%
	16	0.16%	0.24%	0.26%	0.19%	0.17%	0.19%	0.20%
	17	0.34%	0.32%	0.32%	0.28%	0.29%	0.40%	0.32%
	18	0.53%	0.45%	0.60%	0.56%	0.60%	0.64%	0.56%
	19	0.53%	0.66%	0.67%	0.80%	0.66%	0.68%	0.67%
	Total Teens	0.41%	0.44%	0.48%	0.48%	0.46%	0.50%	0.46%
	Over 19	0.55%	0.64%	0.67%	0.67%	0.72%	0.87%	0.69%
	Unknown	0.33%	0.17%	0.17%	0.17%	0.13%	0.13%	0.16%

Source: TN Dept of Safety, Office of Research, Statistics, and Analysis, 24 Aug 2009.

**Teen Drivers in Crashes by BAC Test Results
Tennessee, 2003 - 2008**

Driver Age	Crash Type	Test Results									
		00	0.01 to 0.07	0.08 to 0.15	0.16+	Test Refused	Test Given, Results Unknown	Insufficient Sample	Test Not Given	Unknown If Tested	Inadequate Data
13 Years	Fatal	16.667%	0.000%	0.000%	0.000%	0.000%	50.000%	0.000%	33.333%	0.000%	0.000%
	Injury	0.714%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	90.714%	1.429%	7.143%
	Property Damage Only	0.000%	0.000%	0.000%	0.000%	0.893%	0.000%	0.000%	91.964%	0.000%	7.143%
	Total	0.775%	0.000%	0.000%	0.000%	0.388%	1.163%	0.000%	89.922%	0.775%	6.977%
14 Years	Fatal	6.667%	6.667%	0.000%	0.000%	0.000%	13.333%	0.000%	73.333%	0.000%	0.000%
	Injury	0.000%	0.000%	0.000%	0.000%	0.000%	3.041%	0.000%	91.554%	0.338%	5.068%
	Property Damage Only	0.297%	0.000%	0.000%	0.000%	0.297%	0.000%	0.000%	89.614%	0.593%	9.199%
	Total	0.309%	0.154%	0.000%	0.000%	0.154%	1.698%	0.000%	90.123%	0.463%	7.099%
15 Years	Fatal	7.407%	0.000%	3.704%	0.000%	0.000%	44.444%	0.000%	37.037%	0.000%	7.407%
	Injury	0.000%	0.000%	0.000%	0.000%	0.175%	1.047%	0.000%	93.106%	0.175%	5.497%
	Property Damage Only	0.050%	0.050%	0.050%	0.000%	0.199%	0.249%	0.000%	93.682%	0.050%	5.672%
	Total	0.094%	0.031%	0.063%	0.000%	0.189%	0.911%	0.000%	92.994%	0.094%	5.624%
16 Years	Fatal	18.750%	0.625%	0.625%	0.000%	0.625%	38.750%	0.000%	38.125%	0.625%	1.875%
	Injury	0.046%	0.008%	0.046%	0.015%	0.185%	0.677%	0.000%	93.616%	0.108%	5.299%
	Property Damage Only	0.012%	0.015%	0.022%	0.000%	0.120%	0.117%	0.006%	93.609%	0.019%	6.079%
	Total	0.088%	0.015%	0.031%	0.004%	0.140%	0.413%	0.004%	93.416%	0.046%	5.842%
17 Years	Fatal	12.563%	1.005%	2.513%	1.508%	1.005%	46.734%	0.000%	32.161%	1.508%	1.005%
	Injury	0.051%	0.038%	0.070%	0.025%	0.266%	1.184%	0.013%	92.678%	0.101%	5.561%
	Property Damage Only	0.008%	0.003%	0.033%	0.020%	0.146%	0.179%	0.008%	93.108%	0.043%	6.452%
	Total	0.065%	0.016%	0.053%	0.027%	0.183%	0.635%	0.009%	92.765%	0.065%	6.177%
18 Years	Fatal	14.030%	1.493%	2.985%	2.985%	0.000%	44.478%	0.000%	30.149%	1.791%	1.791%
	Injury	0.052%	0.062%	0.108%	0.077%	0.547%	2.033%	0.041%	90.530%	0.160%	6.389%
	Property Damage Only	0.026%	0.030%	0.081%	0.068%	0.340%	0.457%	0.017%	91.811%	0.079%	7.089%
	Total	0.104%	0.047%	0.104%	0.086%	0.398%	1.138%	0.024%	91.127%	0.111%	6.858%
19 Years	Fatal	14.068%	1.521%	2.281%	2.281%	0.000%	41.825%	0.000%	36.122%	0.760%	1.141%
	Injury	0.089%	0.100%	0.167%	0.133%	0.779%	2.525%	0.022%	89.990%	0.206%	5.967%
	Property Damage Only	0.012%	0.049%	0.119%	0.112%	0.490%	0.560%	0.023%	91.107%	0.082%	7.443%
	Total	0.095%	0.070%	0.142%	0.128%	0.573%	1.316%	0.023%	90.541%	0.121%	6.981%
Total	Fatal	14.229%	1.294%	2.289%	1.891%	0.299%	42.886%	0.000%	34.229%	1.194%	1.592%
	Injury	0.061%	0.055%	0.100%	0.066%	0.464%	1.689%	0.021%	91.528%	0.152%	5.856%
	Property Damage Only	0.016%	0.026%	0.067%	0.054%	0.288%	0.347%	0.014%	92.311%	0.060%	6.816%
	Total	0.090%	0.040%	0.087%	0.065%	0.339%	0.922%	0.016%	91.832%	0.092%	6.514%

**Teen Drivers in Crashes by Drug Test Results
Tennessee, 2003 - 2008**

Driver Age	Crash Type	No Drugs Detected	Drugs Detected	Not Tested or Refused	Unknown
13 Years	Fatal	0.00%	0.00%	33.33%	66.67%
	Injury	0.71%	0.00%	86.43%	12.86%
	Property Damage Only	0.00%	0.00%	84.82%	15.18%
	Total	0.39%	0.00%	84.50%	15.12%
14 Years	Fatal	6.67%	0.00%	73.33%	20.00%
	Injury	0.00%	0.00%	84.12%	15.88%
	Property Damage Only	0.30%	0.00%	85.16%	15.13%
	Total	0.31%	0.00%	84.41%	15.59%
15 Years	Fatal	11.11%	0.00%	40.74%	48.15%
	Injury	0.09%	0.00%	83.60%	16.49%
	Property Damage Only	0.10%	0.00%	86.97%	12.99%
	Total	0.19%	0.00%	85.36%	14.55%
16 Years	Fatal	15.00%	5.00%	40.00%	40.00%
	Injury	0.05%	0.06%	83.91%	16.04%
	Property Damage Only	0.10%	0.02%	86.28%	13.65%
	Total	0.14%	0.05%	85.44%	14.42%
17 Years	Fatal	10.55%	4.02%	35.68%	50.25%
	Injury	0.04%	0.10%	84.03%	15.85%
	Property Damage Only	0.08%	0.01%	85.99%	14.00%
	Total	0.11%	0.05%	85.25%	14.66%
18 Years	Fatal	10.15%	9.85%	31.94%	50.15%
	Injury	0.08%	0.06%	83.69%	16.22%
	Property Damage Only	0.12%	0.03%	85.58%	14.32%
	Total	0.16%	0.09%	84.76%	15.05%
19 Years	Fatal	10.27%	6.08%	38.40%	45.25%
	Injury	0.12%	0.09%	83.90%	15.90%
	Property Damage Only	0.09%	0.04%	85.49%	14.43%
	Total	0.14%	0.08%	84.82%	15.00%
Total	Fatal	10.95%	6.47%	36.52%	46.87%
	Injury	0.08%	0.08%	83.87%	16.01%
	Property Damage Only	0.10%	0.03%	85.81%	14.13%
	Total	0.14%	0.07%	85.03%	14.82%

**Teen Drivers in Multi-Vehicle Crashes For Whom Contributing Factors Were Indicated
Tennessee, 2003 - 2008**

	Driver Age	2003	2004	2005	2006	2007	2008	Total
Fatal	Under 13	31.0%	27.3%	0.0%	33.3%	100.0%	N/A	32.6%
	13	N/A	N/A	N/A	100.0%	0.0%	N/A	50.0%
	14	N/A	100.0%	50.0%	0.0%	50.0%	N/A	57.1%
	15	N/A	83.3%	66.7%	100.0%	50.0%	50.0%	71.4%
	16	66.7%	78.9%	41.7%	92.3%	66.7%	62.5%	68.4%
	17	73.3%	65.2%	69.2%	70.0%	64.7%	50.0%	66.0%
	18	84.6%	72.2%	67.6%	83.3%	67.9%	76.7%	75.9%
	19	69.6%	62.5%	50.0%	63.2%	61.8%	77.3%	63.8%
	Total Teens	75.0%	70.3%	59.1%	76.5%	63.5%	70.8%	69.1%
	Over 19	48.8%	46.7%	48.7%	46.4%	49.0%	54.1%	49.3%
Unknown	100.0%	100.0%	20.0%	20.0%	42.9%	50.0%	48.0%	
Injury	Under 13	46.8%	48.9%	58.8%	50.0%	46.3%	60.6%	48.3%
	13	82.4%	76.9%	90.9%	83.3%	80.0%	100.0%	87.0%
	14	86.5%	83.9%	89.7%	94.7%	72.0%	90.0%	85.8%
	15	61.9%	71.8%	72.3%	66.1%	63.3%	71.3%	67.9%
	16	71.3%	72.3%	73.0%	74.1%	73.3%	73.6%	73.0%
	17	68.9%	68.9%	65.3%	66.9%	67.6%	68.8%	67.8%
	18	63.5%	65.8%	64.3%	66.6%	67.0%	64.4%	65.5%
	19	63.0%	62.5%	61.0%	63.1%	61.8%	62.1%	62.4%
	Total Teens	66.2%	67.0%	65.4%	67.2%	66.8%	66.6%	66.7%
	Over 19	47.1%	46.9%	46.4%	45.5%	45.4%	46.6%	46.4%
Unknown	55.6%	63.8%	58.3%	61.3%	65.3%	61.4%	61.5%	
PDO	Under 13	51.3%	51.3%	39.4%	41.2%	40.1%	51.5%	48.9%
	13	84.6%	80.0%	84.2%	77.8%	78.6%	88.9%	82.9%
	14	83.3%	86.4%	92.6%	79.2%	88.9%	87.9%	86.4%
	15	61.4%	63.4%	59.2%	55.6%	57.0%	58.9%	59.0%
	16	67.4%	68.0%	67.5%	67.3%	66.8%	65.0%	67.0%
	17	64.2%	63.6%	64.4%	64.2%	63.6%	65.3%	64.2%
	18	62.4%	63.3%	63.5%	63.0%	62.9%	63.4%	63.1%
	19	60.4%	60.7%	60.5%	61.0%	60.5%	60.8%	60.7%
	Total Teens	63.3%	63.6%	63.7%	63.5%	63.2%	63.5%	63.5%
	Over 19	48.4%	48.0%	47.7%	47.3%	47.0%	47.0%	47.6%
Unknown	56.1%	58.1%	59.7%	59.1%	61.4%	59.5%	59.6%	
Total	Under 13	50.0%	50.2%	42.2%	42.6%	41.0%	52.6%	48.7%
	13	83.3%	78.3%	87.8%	81.8%	76.0%	95.7%	84.7%
	14	84.8%	85.7%	89.7%	84.1%	79.6%	88.7%	85.6%
	15	61.5%	66.3%	63.4%	59.0%	59.1%	62.8%	61.9%
	16	68.3%	69.1%	68.9%	69.1%	68.5%	67.2%	68.5%
	17	65.4%	64.9%	64.6%	64.9%	64.7%	66.2%	65.1%
	18	62.7%	64.0%	63.7%	64.0%	64.1%	63.7%	63.8%
	19	61.1%	61.2%	60.6%	61.6%	60.9%	61.2%	61.1%
	Total Teens	64.1%	64.5%	64.1%	64.5%	64.2%	64.3%	64.3%
	Over 19	48.1%	47.7%	47.3%	46.8%	46.6%	46.9%	47.3%
Unknown	56.2%	58.7%	59.4%	59.4%	62.1%	59.9%	59.9%	

Percentage of Teen Drivers in Tennessee Multi-Vehicle Traffic Crashes by Driver Factors 2003 - 2008

Driver Condition	13 Years	14 Years	15 Years	16 Years	17 Years	18 Years	19 Years	Total	20+ Years
Apparently Asleep	0.000%	0.000%	0.000%	0.000%	0.005%	0.010%	0.011%	0.007%	0.002%
Apparently Fatigued	0.000%	0.000%	0.000%	0.000%	0.005%	0.002%	0.002%	0.002%	0.001%
Blind	0.000%	0.000%	0.000%	0.018%	0.014%	0.028%	0.028%	0.022%	0.148%
Emotional (Depressed, Angry, Disturbed)	1.258%	0.556%	0.358%	0.224%	0.233%	0.347%	0.319%	0.290%	0.262%
Failure to Take Drugs/Medication	0.000%	0.000%	0.045%	0.061%	0.112%	0.223%	0.287%	0.180%	0.249%
Had Been Drinking	0.000%	0.000%	0.671%	0.152%	0.362%	0.737%	1.036%	0.614%	1.504%
Ill (Sick)	0.000%	0.000%	0.000%	0.036%	0.045%	0.054%	0.072%	0.053%	0.144%
Illegal Drug Use	0.000%	0.278%	0.045%	0.064%	0.081%	0.151%	0.160%	0.119%	0.137%
Reaction to Drugs/Medication	0.000%	0.000%	0.089%	0.061%	0.069%	0.161%	0.223%	0.135%	0.144%
Restricted to Wheelchair	0.000%	0.000%	0.000%	0.006%	0.007%	0.008%	0.009%	0.007%	0.022%
Other Physical Impairment (Narrative)	0.629%	0.000%	0.224%	0.161%	0.183%	0.211%	0.192%	0.190%	0.375%
Other	0.000%	0.000%	0.000%	0.000%	0.000%	0.002%	0.009%	0.003%	0.081%
Unknown	0.000%	0.000%	0.000%	0.015%	0.021%	0.032%	0.021%	0.023%	0.014%

Driver Action	13 Years	14 Years	15 Years	16 Years	17 Years	18 Years	19 Years	Total	20+ Years
Aggressive Driving Road Rage	0.000%	0.000%	0.000%	0.003%	0.002%	0.000%	0.004%	0.002%	0.002%
Careless or Erratic Driving	9.434%	6.111%	4.338%	2.606%	2.633%	2.826%	2.907%	2.792%	2.108%
Driving Left of Center	5.031%	3.611%	2.147%	1.675%	1.459%	1.549%	1.447%	1.539%	1.061%
Driving On Wrong Side Of Road	1.258%	0.278%	0.045%	0.021%	0.021%	0.024%	0.009%	0.021%	0.013%
Driving Wrong Way on One-Way Roadway	0.000%	0.000%	0.089%	0.049%	0.052%	0.074%	0.062%	0.061%	0.077%
Failure to Comply with License Restrictions	2.516%	3.056%	2.415%	0.470%	0.376%	0.239%	0.234%	0.350%	0.163%
Failure to Keep in Proper Lane or Running Off Road	5.660%	13.056%	4.651%	4.220%	3.878%	4.367%	4.143%	4.184%	3.031%
Failure to Obey Traffic Controls	5.031%	7.222%	3.980%	2.767%	2.887%	3.366%	3.166%	3.102%	2.502%
Failure to Observe Warnings or Instructions	0.629%	0.278%	0.134%	0.264%	0.314%	0.291%	0.283%	0.288%	0.222%
Failure to Signal Intentions	0.629%	0.556%	0.358%	0.194%	0.207%	0.213%	0.209%	0.210%	0.194%
Failure to Use Lights	0.000%	0.278%	0.358%	0.052%	0.081%	0.080%	0.074%	0.077%	0.063%
Failure to Yield Right of Way	27.044%	24.167%	22.317%	21.778%	18.781%	17.622%	16.331%	18.419%	12.524%
Following Improperly	1.887%	6.944%	8.631%	19.321%	19.214%	18.134%	17.182%	18.202%	11.477%
Improper Backing	1.258%	4.167%	1.476%	1.213%	1.052%	1.073%	1.066%	1.104%	1.425%
Improper Lane Changing	3.145%	1.667%	2.236%	1.590%	1.611%	1.956%	2.024%	1.826%	1.918%
Improper Loading of Vehicle Cargo or Passengers	0.000%	0.000%	0.000%	0.015%	0.021%	0.028%	0.015%	0.020%	0.064%
Improper Passing	2.516%	2.500%	1.073%	0.589%	0.807%	0.864%	0.949%	0.829%	0.759%
Improper Turn	3.774%	5.278%	2.415%	1.781%	1.707%	1.764%	1.726%	1.761%	1.632%
Improperly Carrying Hazardous Cargo	0.000%	0.000%	0.000%	0.000%	0.002%	0.002%	0.000%	0.001%	0.002%
Improperly Towing or Pushing Vehicle	0.000%	0.278%	0.089%	0.009%	0.010%	0.010%	0.017%	0.013%	0.021%
Inattentive (Eating, Reading, Talking, etc.)	3.774%	4.167%	3.041%	6.513%	6.370%	5.492%	5.288%	5.805%	3.145%
Interfered With by Passenger	0.629%	0.833%	0.134%	0.149%	0.145%	0.117%	0.083%	0.123%	0.094%
Operating Without Required Equipment	5.031%	3.056%	0.850%	0.130%	0.098%	0.108%	0.085%	0.123%	0.058%
Operator Inexperience	37.736%	41.111%	21.109%	12.380%	7.729%	3.206%	1.713%	5.958%	0.200%
Other (Narrative)	20.755%	14.444%	10.912%	8.925%	9.564%	10.180%	10.452%	9.896%	10.056%
Over Correcting	1.258%	1.944%	0.939%	0.649%	0.631%	0.701%	0.679%	0.675%	0.312%
Reckless or Negligent Driving	8.805%	11.667%	3.265%	1.077%	1.183%	1.583%	1.615%	1.449%	1.331%
Speed Too Fast	5.660%	6.667%	2.996%	3.137%	3.130%	3.135%	2.985%	3.102%	1.367%
Speed Too Slow	0.000%	0.000%	0.045%	0.018%	0.029%	0.032%	0.036%	0.030%	0.042%
Swerved or Avoided	0.000%	0.000%	0.045%	0.021%	0.019%	0.008%	0.004%	0.013%	0.018%
Unknown	0.000%	0.000%	0.045%	0.012%	0.019%	0.008%	0.004%	0.011%	0.014%
Using Telephone, Two-Way Radio	0.000%	0.278%	0.089%	0.285%	0.321%	0.307%	0.296%	0.300%	0.137%
Vision Obstructed Narrative	0.629%	1.111%	1.029%	1.411%	1.466%	1.121%	1.060%	1.240%	0.879%

*Pink cells indicate the most prevalent factor per age group.

Source: TN Dept of Safety, Office of Research, Statistics and Analysis, 27 Jul, 2009.