

**1998 and 1999 Summary Tables
TN Crash Outcome Data Evaluation System
Driver Hospital Costs by Seatbelt Usage, Age, Sex, and Race**

Total Drivers Hospital Costs by Seatbelt Usage, Age, and Sex													
FEMALE													
Total 98/99	1998 Seatbelt Usage = Yes			1999 Seatbelt Usage = Yes			1998 Seatbelt Usage= No			1999 Seatbelt Usage= No			
	Age	Costs	Average Cost	Number	Costs	Average Cost	Number	Costs	Average Cost	Number	Costs	Average Cost	Number
15-19	\$ 1,601,513	\$ 861	1,859	\$ 2,068,192	\$ 1,125	1,838	\$ 895,012	\$ 1,779	503	\$ 1,234,720	\$ 2,720	454	
20-24	\$ 2,003,586	\$ 1,079	1,857	\$ 2,017,202	\$ 1,118	1,805	\$ 1,170,488	\$ 2,774	422	\$ 985,984	\$ 2,459	401	
25-29	\$ 1,609,065	\$ 965	1,667	\$ 1,842,161	\$ 1,182	1,558	\$ 834,210	\$ 2,498	334	\$ 1,301,870	\$ 4,094	318	
30-34	\$ 1,723,226	\$ 1,100	1,567	\$ 1,715,245	\$ 1,218	1,408	\$ 953,449	\$ 3,369	283	\$ 954,179	\$ 3,470	275	
35-39	\$ 1,680,445	\$ 1,149	1,463	\$ 1,912,620	\$ 1,454	1,454	\$ 1,191,987	\$ 4,398	271	\$ 793,838	\$ 3,240	245	
40-44	\$ 1,320,627	\$ 1,103	1,197	\$ 1,324,071	\$ 1,202	1,102	\$ 631,754	\$ 3,175	199	\$ 389,307	\$ 2,250	173	
45-49	\$ 1,522,479	\$ 1,549	983	\$ 1,621,664	\$ 1,843	880	\$ 399,969	\$ 2,919	137	\$ 609,149	\$ 4,230	144	
50-54	\$ 1,428,305	\$ 1,781	802	\$ 1,135,830	\$ 1,616	703	\$ 376,677	\$ 4,280	88	\$ 409,397	\$ 5,317	77	
55-59	\$ 1,201,978	\$ 2,124	566	\$ 1,058,507	\$ 2,040	519	\$ 437,346	\$ 5,991	73	\$ 273,877	\$ 5,267	52	
60-64	\$ 606,511	\$ 1,592	381	\$ 808,603	\$ 2,042	396	\$ 124,385	\$ 2,893	43	\$ 143,426	\$ 2,988	48	
65-69	\$ 692,065	\$ 2,097	330	\$ 1,209,639	\$ 4,320	280	\$ 369,830	\$ 9,995	37	\$ 253,685	\$ 8,748	29	
70-74	\$ 380,243	\$ 1,653	230	\$ 614,858	\$ 2,204	279	\$ 292,656	\$ 9,441	31	\$ 209,986	\$ 7,499	28	
75-79	\$ 580,914	\$ 2,979	195	\$ 830,950	\$ 4,541	183	\$ 140,008	\$ 3,889	36	\$ 139,782	\$ 5,824	24	
80-84	\$ 455,298	\$ 4,216	108	\$ 834,703	\$ 7,074	118	\$ 113,655	\$ 4,736	24	\$ 163,813	\$ 7,801	21	
85+	\$ 99,026	\$ 2,251	44	\$ 280,914	\$ 6,852	41	\$ 49,384	\$ 5,487	9	\$ 64,596	\$ 7,177	9	
Total	\$ 16,905,281	\$ 1,276	13,249	\$ 19,275,159	\$ 1,551	12,425	\$ 7,980,810	\$ 3,205	2,490	\$ 7,927,609	\$ 3,450	2,298	



In females wearing seatbelts, 1999 saw a(n)
increase of 14% in total costs and a(n)
increase of 22% in average hospital costs.

In females not wearing seatbelts, 1999 saw a(n)
decrease of 1% in total costs and a(n)
increase of 8% in average hospital costs.

Total Drivers Hospital Costs by Seatbelt Usage, Age, and Sex													
MALE													
Total 98/99	1998 Seatbelt Usage = Yes			1999 Seatbelt Usage = Yes			1998 Seatbelt Usage= No			1999 Seatbelt Usage= No			
	Age	Costs	Average Cost	Number	Costs	Average Cost	Number	Costs	Average Cost	Number	Costs	Average Cost	Number
15-19	\$ 2,205,008	\$ 1,557	1,416	\$ 2,609,609	\$ 1,772	1,473	\$ 2,286,859	\$ 2,939	778	\$ 2,800,327	\$ 3,868	724	
20-24	\$ 1,574,290	\$ 1,228	1,282	\$ 2,213,562	\$ 1,698	1,304	\$ 2,669,531	\$ 4,057	658	\$ 2,822,691	\$ 4,163	678	
25-29	\$ 1,622,798	\$ 1,374	1,181	\$ 1,938,375	\$ 1,737	1,116	\$ 2,420,955	\$ 5,065	478	\$ 3,027,458	\$ 6,141	493	
30-34	\$ 1,237,626	\$ 1,193	1,037	\$ 1,535,877	\$ 1,641	936	\$ 1,845,022	\$ 4,251	434	\$ 2,047,162	\$ 5,236	391	
35-39	\$ 1,263,194	\$ 1,442	876	\$ 1,750,126	\$ 1,917	913	\$ 2,146,528	\$ 5,709	376	\$ 1,908,575	\$ 5,215	366	
40-44	\$ 1,626,542	\$ 2,085	780	\$ 1,337,882	\$ 1,751	764	\$ 1,357,720	\$ 4,682	290	\$ 1,856,912	\$ 6,903	269	
45-49	\$ 1,121,513	\$ 1,731	648	\$ 1,504,622	\$ 2,329	646	\$ 1,377,804	\$ 6,821	202	\$ 1,517,530	\$ 7,296	208	
50-54	\$ 1,204,537	\$ 2,390	504	\$ 1,276,374	\$ 2,368	539	\$ 964,710	\$ 5,992	161	\$ 1,261,017	\$ 8,351	151	
55-59	\$ 763,813	\$ 1,858	411	\$ 750,603	\$ 1,910	393	\$ 1,062,419	\$ 8,049	132	\$ 1,022,572	\$ 9,130	112	
60-64	\$ 1,049,134	\$ 3,363	312	\$ 893,430	\$ 3,309	270	\$ 281,666	\$ 3,565	79	\$ 381,468	\$ 5,019	76	
65-69	\$ 658,105	\$ 2,800	235	\$ 471,183	\$ 2,333	202	\$ 459,358	\$ 6,380	72	\$ 1,080,653	\$ 16,625	65	
70-74	\$ 469,382	\$ 2,077	226	\$ 739,921	\$ 3,008	246	\$ 514,627	\$ 7,797	66	\$ 420,987	\$ 6,191	68	
75-79	\$ 775,715	\$ 4,104	189	\$ 622,425	\$ 3,328	187	\$ 532,028	\$ 12,976	41	\$ 267,484	\$ 6,079	44	
80-84	\$ 365,379	\$ 3,383	108	\$ 443,321	\$ 4,524	98	\$ 329,088	\$ 8,438	39	\$ 300,584	\$ 10,019	30	
85+	\$ 446,580	\$ 6,472	69	\$ 361,140	\$ 5,472	66	\$ 84,346	\$ 6,025	14	\$ 311,196	\$ 11,526	27	
Total	\$ 16,383,616	\$ 1,767	9,274	\$ 18,448,449	\$ 2,016	9,153	\$ 18,332,659	\$ 4,799	3,820	\$ 21,026,617	\$ 5,680	3,702	



In males wearing seatbelts, 1999 saw a(n)
increase of 13% in total costs and a(n)
increase of 14% in average hospital costs.

In males not wearing seatbelts, 1999 saw a(n)
increase of 15% in total costs and a(n)
increase of 18% in average hospital costs.

**1998 and 1999 Summary Tables
TN Crash Outcome Data Evaluation System
Driver Hospital Costs by Seatbelt Usage, Age, Sex, and Race**

Total 98/99 Age	Total Hospital Costs by Sex											
	1998			1999			1998			1999		
	Female	Average Cost	Number	Female	Average Cost	Number	Male	Average Cost	Number	Male	Average Cost	Number
15-19	\$ 2,496,525	\$ 1,057	2362	\$ 3,302,911	\$ 1,441	2,292	\$ 4,491,867	\$ 2,047	2,194	\$ 5,409,936	\$ 2,462	2,197
20-24	\$ 3,174,074	\$ 1,393	2279	\$ 3,003,186	\$ 1,361	2,206	\$ 4,243,821	\$ 2,188	1,940	\$ 5,036,253	\$ 2,541	1,982
25-29	\$ 2,443,275	\$ 1,221	2001	\$ 3,144,031	\$ 1,676	1,876	\$ 4,043,753	\$ 2,437	1,659	\$ 4,965,833	\$ 3,086	1,609
30-34	\$ 2,676,675	\$ 1,447	1850	\$ 2,669,424	\$ 1,586	1,683	\$ 3,082,648	\$ 2,096	1,471	\$ 3,583,039	\$ 2,700	1,327
35-39	\$ 2,872,432	\$ 1,657	1734	\$ 2,706,459	\$ 1,735	1,560	\$ 3,409,721	\$ 2,723	1,252	\$ 3,658,701	\$ 2,861	1,279
40-44	\$ 1,952,381	\$ 1,399	1396	\$ 1,713,378	\$ 1,344	1,275	\$ 2,984,262	\$ 2,789	1,070	\$ 3,194,793	\$ 3,093	1,033
45-49	\$ 1,922,448	\$ 1,716	1120	\$ 2,230,813	\$ 2,179	1,024	\$ 2,499,317	\$ 2,940	850	\$ 3,022,152	\$ 3,539	854
50-54	\$ 1,804,982	\$ 2,028	890	\$ 1,545,227	\$ 1,981	780	\$ 2,169,246	\$ 3,262	665	\$ 2,537,391	\$ 3,677	690
55-59	\$ 1,639,324	\$ 2,565	639	\$ 1,332,384	\$ 2,333	571	\$ 1,826,232	\$ 3,363	543	\$ 1,773,174	\$ 3,511	505
60-64	\$ 730,896	\$ 1,724	424	\$ 952,029	\$ 2,144	444	\$ 1,330,800	\$ 3,404	391	\$ 1,274,897	\$ 3,685	346
65-69	\$ 1,061,895	\$ 2,893	367	\$ 1,463,324	\$ 4,736	309	\$ 1,117,463	\$ 3,640	307	\$ 1,551,836	\$ 5,812	267
70-74	\$ 672,899	\$ 2,578	261	\$ 824,844	\$ 2,687	307	\$ 984,009	\$ 3,370	292	\$ 1,160,909	\$ 3,697	314
75-79	\$ 720,922	\$ 3,121	231	\$ 970,732	\$ 4,690	207	\$ 1,307,743	\$ 5,686	230	\$ 889,909	\$ 3,852	231
80-84	\$ 568,953	\$ 4,310	132	\$ 998,515	\$ 7,184	139	\$ 694,467	\$ 4,724	147	\$ 743,905	\$ 5,812	128
85+	\$ 148,410	\$ 2,800	53	\$ 345,511	\$ 6,910	50	\$ 530,926	\$ 6,397	83	\$ 672,337	\$ 7,229	93
Total	\$ 24,886,090	\$ 1,581	15,739	\$ 27,202,768	\$ 1,848	14,723	\$ 34,716,275	\$ 2,651	13,094	\$ 39,475,066	\$ 3,071	12,855



In female drivers involved in crashes, 1999 saw a(n)
increase of 9% in total costs and a(n)
increase of 17% in average hospital costs.

In male drivers involved in crashes, 1999 saw a(n)
increase of 14% in total costs and a(n)
increase of 16% in average hospital costs.

Total 98/99 Age	Total Hospital Costs						Total Estimated Savings If Seatbelts Were Worn*					
	1998		Number	1999		Number	1998		Total Estimated Savings	1999		Total Estimated Savings
	Female/ Male	Average Cost		Female/ Male	Average Cost		Female	Male		Female	Male	
15-19	\$ 6,988,392	\$ 1,534	4,556	\$ 8,712,847	\$ 1,941	4,489	\$ 461,682	\$ 1,075,350	\$ 1,537,032	\$ 723,861	\$ 1,517,668	\$ 2,241,528
20-24	\$ 7,417,895	\$ 1,758	4,219	\$ 8,039,439	\$ 1,920	4,188	\$ 715,176	\$ 1,861,510	\$ 2,576,686	\$ 537,841	\$ 1,671,774	\$ 2,209,616
25-29	\$ 6,487,028	\$ 1,772	3,660	\$ 8,109,864	\$ 2,327	3,485	\$ 511,818	\$ 1,764,141	\$ 2,275,959	\$ 925,870	\$ 2,171,169	\$ 3,097,040
30-34	\$ 5,759,323	\$ 1,734	3,321	\$ 6,252,463	\$ 2,077	3,010	\$ 642,235	\$ 1,327,057	\$ 1,969,292	\$ 619,170	\$ 1,405,572	\$ 2,024,743
35-39	\$ 6,282,153	\$ 2,104	2,986	\$ 6,365,160	\$ 2,242	2,839	\$ 880,709	\$ 1,604,335	\$ 2,485,043	\$ 437,494	\$ 1,206,991	\$ 1,644,486
40-44	\$ 4,936,643	\$ 2,002	2,466	\$ 4,908,172	\$ 2,127	2,308	\$ 412,201	\$ 752,980	\$ 1,165,181	\$ 181,445	\$ 1,385,851	\$ 1,567,296
45-49	\$ 4,421,764	\$ 2,245	1,970	\$ 5,252,965	\$ 2,797	1,878	\$ 187,782	\$ 1,028,197	\$ 1,215,979	\$ 343,786	\$ 1,033,070	\$ 1,376,855
50-54	\$ 3,974,229	\$ 2,556	1,555	\$ 4,082,619	\$ 2,777	1,470	\$ 219,955	\$ 579,927	\$ 799,882	\$ 284,989	\$ 903,443	\$ 1,188,432
55-59	\$ 3,465,556	\$ 2,932	1,182	\$ 3,105,558	\$ 2,886	1,076	\$ 282,320	\$ 817,107	\$ 1,099,427	\$ 167,822	\$ 808,659	\$ 976,481
60-64	\$ 2,061,695	\$ 2,530	815	\$ 2,226,926	\$ 2,819	790	\$ 55,934	\$ 16,020	\$ 71,954	\$ 45,413	\$ 129,984	\$ 175,397
65-69	\$ 2,179,357	\$ 3,233	674	\$ 3,015,160	\$ 5,235	576	\$ 292,234	\$ 257,726	\$ 549,960	\$ 128,401	\$ 929,035	\$ 1,057,436
70-74	\$ 1,656,908	\$ 2,996	553	\$ 1,985,753	\$ 3,198	621	\$ 241,406	\$ 377,550	\$ 618,956	\$ 148,280	\$ 216,456	\$ 364,736
75-79	\$ 2,028,665	\$ 4,401	461	\$ 1,860,641	\$ 4,248	438	\$ 32,762	\$ 363,752	\$ 396,513	\$ 30,804	\$ 121,031	\$ 151,836
80-84	\$ 1,263,421	\$ 4,528	279	\$ 1,742,421	\$ 6,526	267	\$ 12,478	\$ 197,146	\$ 209,623	\$ 15,264	\$ 164,874	\$ 180,137
85+	\$ 679,336	\$ 4,995	136	\$ 1,017,847	\$ 7,118	143	\$ 29,128	\$ (6,265)	\$ 22,863	\$ 2,932	\$ 163,457	\$ 166,390
Total	\$ 59,602,365	\$ 2,067	28,833	\$ 66,677,834	\$ 2,418	27,578	\$ 4,977,821	\$ 12,016,532	\$ 16,994,352	\$ 4,593,374	\$ 13,829,036	\$ 18,422,409

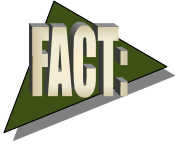


In the state of Tennessee, for all drivers involved in crashes, 1999 saw a(n)
increase of 12% in the total hospital costs and a(n)
increase of 17% in average hospital costs.

If all drivers in Tennessee would have worn their seatbelts,
the state could have saved more than 17M in 1998 and 18M in 1999.

*Calculation is (avg cost while seatbelt = no - avg cost while seatbelt=yes) * number of specific drivers not wearing seatbelts using non-rounded values

**1998 and 1999 Summary Tables
TN Crash Outcome Data Evaluation System
Driver Hospital Costs by Seatbelt Usage, Age, Sex, and Race**



In Tennessee, seatbelt usage was 84% among female drivers in crashes both in 1998 and 1999. In contrast, men drivers involved in crashes used seatbelts 71% of the time both years. This is a significant difference in usage. As well, there was no improvement of usage in either sex.

Total 98/99 Age	Percentage of Seatbelt Usage of Female Drivers Involved In Crashes By Age							
	FEMALE							
	1998				1999			
	Wearing	% of Usage	Not Wearing	% Unrestrained	Wearing	% of Usage	Not Wearing	% Unrestrained
15-19	1,859	79%	503	21%	1,838	80%	454	20%
20-24	1,857	81%	422	19%	1,805	82%	401	18%
25-29	1,667	83%	334	17%	1,558	83%	318	17%
30-34	1,567	85%	283	15%	1,408	84%	275	16%
35-39	1,463	84%	271	16%	1,315	84%	245	16%
40-44	1,197	86%	199	14%	1,102	86%	173	14%
45-49	983	88%	137	12%	880	86%	144	14%
50-54	802	90%	88	10%	703	90%	77	10%
55-59	566	89%	73	11%	519	91%	52	9%
60-64	381	90%	43	10%	396	89%	48	11%
65-69	330	90%	37	10%	280	91%	29	9%
70-74	230	88%	31	12%	279	91%	28	9%
75-79	195	84%	36	16%	183	88%	24	12%
80-84	108	82%	24	18%	118	85%	21	15%
85+	44	83%	9	17%	41	82%	9	18%
Total	13,249	84%	2,490	16%	12,425	84%	2,298	16%

Total 98/99 Age	Percentage of Seatbelt Usage of Male Drivers Involved In Crashes By Age							
	MALE							
	1998				1999			
	Wearing	% of Usage	Not Wearing	% Unrestrained	Wearing	% of Usage	Not Wearing	% Unrestrained
15-19	1,416	65%	778	35%	1,473	67%	724	33%
20-24	1,282	66%	658	34%	1,304	66%	678	34%
25-29	1,181	71%	478	29%	1,116	69%	493	31%
30-34	1,037	70%	434	30%	936	71%	391	29%
35-39	876	70%	376	30%	913	71%	366	29%
40-44	780	73%	290	27%	764	74%	269	26%
45-49	648	76%	202	24%	646	76%	208	24%
50-54	504	76%	161	24%	539	78%	151	22%
55-59	411	76%	132	24%	393	78%	112	22%
60-64	312	80%	79	20%	270	78%	76	22%
65-69	235	77%	72	23%	202	76%	65	24%
70-74	226	77%	66	23%	246	78%	68	22%
75-79	189	82%	41	18%	187	81%	44	19%
80-84	108	73%	39	27%	98	77%	30	23%
85+	69	83%	14	17%	66	71%	27	29%
Total	9,274	71%	3,820	29%	9,153	71%	3,702	29%

**1998 and 1999 Summary Tables
TN Crash Outcome Data Evaluation System
Driver Hospital Costs by Seatbelt Usage, Age, Sex, and Race**

Total 98/99	Summary At A Glance									
	FEMALE									
	Wearing Seatbelts		Average Costs Of Restrained		No Seatbelts		Average Costs Of Non Restrained		Number of Drivers	
	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999
WHITE	82%	83%	\$ 1,219	\$ 1,420	18%	17%	\$ 2,497	\$ 3,017	10,532	10,720
BLACK	89%	86%	\$ 925	\$ 1,412	11%	14%	\$ 2,575	\$ 3,091	3,794	2,672
OTHER	88%	89%	\$ 997	\$ 997	12%	11%	\$ 758	\$ 832	238	146
UNKNOWN	84%	86%	\$ 3,044	\$ 3,100	16%	14%	\$ 11,967	\$ 8,986	1,175	1,185

Total	84%	84%	N/A	N/A	16%	16%	N/A	N/A	15,739	14,723
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Total 98/99	Summary At A Glance									
	MALE									
	Wearing Seatbelts		Average Costs Of Restrained		No Seatbelts		Average Costs Of Non Restrained		Number of Drivers	
	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999
WHITE	69%	69%	\$ 1,497	\$ 1,785	31%	31%	\$ 3,822	\$ 4,447	8,989	9,582
BLACK	79%	80%	\$ 1,366	\$ 1,677	21%	20%	\$ 4,315	\$ 5,340	2,735	1,933
OTHER	72%	81%	\$ 1,567	\$ 881	28%	19%	\$ 1,127	\$ 1,822	211	147
UNKNOWN	68%	71%	\$ 5,018	\$ 4,593	32%	29%	\$ 13,541	\$ 16,872	1,159	1,193

Total	71%	71%	N/A	N/A	29%	29%	N/A	N/A	13,094	12,855
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Total 98/99	Summary At A Glance									
	Female Total Costs Of Restrained		Male Total Costs Of Restrained		Female Total Costs Of Non Restrained		Male Total Costs Of Non Restrained		Total Costs of All Drivers	
	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999
	WHITE	\$ 10,555,672	\$ 12,602,207	\$ 9,228,763	\$ 11,868,041	\$ 4,674,774	\$ 5,567,125	\$ 10,799,817	\$ 13,050,670	\$ 35,259,025
BLACK	\$ 3,136,284	\$ 3,393,926	\$ 2,967,802	\$ 2,580,881	\$ 1,035,060	\$ 828,511	\$ 2,429,072	\$ 2,103,950	\$ 9,568,218	\$ 8,907,268
OTHER	\$ 209,294	\$ 129,548	\$ 238,157	\$ 104,818	\$ 21,228	\$ 13,320	\$ 66,493	\$ 51,014	\$ 535,173	\$ 298,699
UNKNOWN	\$ 3,004,031	\$ 3,149,478	\$ 3,948,894	\$ 3,894,709	\$ 2,249,748	\$ 1,518,653	\$ 5,037,278	\$ 5,820,983	\$ 14,239,950	\$ 14,383,824

Total	\$ 16,905,281	\$ 19,275,159	\$ 16,383,616	\$ 18,448,449	\$ 7,980,810	\$ 7,927,609	\$ 18,332,659	\$ 21,026,617	\$ 59,602,365	\$ 66,677,834
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Total 98/99	Difference in Average Hospital Costs Of Young Drivers Versus Elderly Drivers							
	Wearing Seatbelts				No Seatbelts			
	Female		Male		Female		Male	
	1998	1999	1998	1999	1998	1999	1998	1999
15-19 Years Old	\$ 861	\$ 1,125	\$ 1,557	\$ 1,772	\$ 1,779	\$ 2,720	\$ 2,939	\$ 3,868
75+ Years Old	\$ 3,272	\$ 5,692	\$ 4,338	\$ 4,065	\$ 4,392	\$ 6,818	\$ 10,058	\$ 8,706
% Increase in Avg Cost	280%	406%	179%	129%	147%	151%	242%	125%

**1998 and 1999 Summary Tables
TN Crash Outcome Data Evaluation System
Driver Hospital Costs by Seatbelt Usage, Age, Sex, and Race**



In 1999, the state of Tennessee lost \$1.8M more than they lost in 1998 from male drivers not wearing seatbelts. This cost increased by 15%. This just shows that from year to year, there can be a major change in the amount saved based on the number of crashes and drivers and rise in hospital costs in that year rather than just seatbelt usage. For both sexes, the two year total potential savings combined would have been more than \$35 million.

Total 98/99	Summary At A Glance									
	Potential Savngs if All Female Drivers Wore Seatbelt		Potential Savings if All Male Drivers Wore Seatbelt		Total Potential Savings if All Drivers Wore Seatbelts		Distribution of Drivers By Race Category Causing Additional Monies			
							Female		Male	
	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999
WHITE	\$ 2,581,322	\$ 3,233,514	\$ 6,880,940	\$ 7,915,704	\$ 9,462,262	\$ 11,149,218	18%	17%	31%	31%
BLACK	\$ 681,722	\$ 495,056	\$ 1,718,007	\$ 1,505,888	\$ 2,399,729	\$ 2,000,943	11%	14%	21%	20%
OTHER	\$ 2,107	\$ 2,939	\$ 28,710	\$ 29,644	\$ 30,817	\$ 32,582	12%	11%	28%	19%
UNKNOWN	\$ 1,642,732	\$ 1,057,140	\$ 3,511,016	\$ 4,414,349	\$ 5,153,748	\$ 5,471,489	16%	14%	32%	29%

Total 98/99	Difference in Average Hospital Costs			
	Female		Male	
	1998	1999	1998	1999
Wearing Seatbelt	\$ 1,276	\$ 1,551	\$ 1,767	\$ 2,016
Not Wearing Seatbelt	\$ 3,205	\$ 3,450	\$ 4,799	\$ 5,680
% Increase in Avg Cost	151%	122%	172%	182%



Men drivers are half as likely to wear their seatbelts as women.

On average, hospital costs per driver increase an incredible 157% by not wearing seatbelts.

In 1998, men cost 58 cents on every dollar spent on hospital charges resulting from crashes, and women cost 42 cents on every dollar. In 1999, men cost 59 cents on every dollar spent on hospital charges resulting from crashes, and women cost 41 cents on every dollar.

**1998 and 1999 Summary Tables
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Driver Hospital Costs by Seatbelt Usage, Age, Sex, and Race**

Total 98/99	Summary At A Glance									
	Distribution of Actual Hospital Costs									
	1998					1999				
	Total	Male	Female		Total	Male	Female		Total	Female
WHITE	\$ 35,259,025	\$ 20,028,579	57%	\$ 15,230,445	43%	\$ 43,088,043	\$ 24,918,711	58%	\$ 18,169,332	42%
BLACK	\$ 9,568,218	\$ 5,396,874	56%	\$ 4,171,344	44%	\$ 8,907,268	\$ 4,684,831	53%	\$ 4,222,437	47%
OTHER	\$ 535,173	\$ 304,650	57%	\$ 230,523	43%	\$ 298,699	\$ 155,831	52%	\$ 142,867	48%
UNKNOWN	\$ 14,239,950	\$ 8,986,172	63%	\$ 5,253,779	37%	\$ 14,383,824	\$ 9,715,692	68%	\$ 4,668,132	32%
TOTAL	\$ 59,602,365	\$ 34,716,275	58%	\$ 24,886,090	42%	\$ 66,677,834	\$ 39,475,066	59%	\$ 27,202,768	41%

Total 98/99 Race	Summary At A Glance									
	Distribution of Drivers Involved in Crashes									
	1998					1999				
	Total Costs	Total Drivers	% of Female	% of Male	Dist. Of All	Total Costs	Total Drivers	% of Female	% of Male	Dist. Of All
WHITE	\$ 35,259,025	19,521	54%	46%	68%	\$ 43,088,043	20,302	53%	47%	74%
BLACK	\$ 9,568,218	6,529	58%	42%	23%	\$ 8,907,268	4,605	58%	42%	17%
OTHER	\$ 535,173	449	53%	47%	2%	\$ 298,699	293	50%	50%	1%
UNKNOWN	\$ 14,239,950	2,334	50%	50%	8%	\$ 14,383,824	2,378	50%	50%	9%
Total	\$ 59,602,365	28,833	55%	45%	100%	\$ 66,677,834	27,578	53%	47%	100%

**1998 and 1999 Summary Tables
TN Crash Outcome Data Evaluation System
Driver Hospital Costs by Seatbelt Usage, Age, Sex, and Race**

Driver Hospital Costs Of White Race by Seatbelt Usage, Age and Sex												
White 98/99	FEMALE											
	1998 Seatbelt Usage = Yes			1999 Seatbelt Usage = Yes			1998 Seatbelt Usage= No			1999 Seatbelt Usage= No		
Age	Costs	Average Cost	Number	Costs	Average Cost	Number	Costs	Average Cost	Number	Costs	Average Cost	Number
15-19	\$ 1,176,348	\$ 868	1,355	\$ 1,334,736	\$ 935	1,428	\$ 566,123	\$ 1,455	389	\$ 964,863	\$ 2,513	384
20-24	\$ 1,063,940	\$ 925	1,150	\$ 1,139,553	\$ 950	1,199	\$ 790,147	\$ 2,574	307	\$ 679,011	\$ 2,183	311
25-29	\$ 830,546	\$ 834	996	\$ 1,054,325	\$ 1,011	1,043	\$ 359,075	\$ 1,496	240	\$ 740,667	\$ 2,905	255
30-34	\$ 1,004,364	\$ 993	1,011	\$ 1,126,668	\$ 1,152	978	\$ 747,540	\$ 3,429	218	\$ 619,130	\$ 2,920	212
35-39	\$ 869,560	\$ 979	888	\$ 1,239,659	\$ 1,394	889	\$ 694,496	\$ 3,339	208	\$ 596,380	\$ 3,043	196
40-44	\$ 819,436	\$ 1,153	711	\$ 816,182	\$ 1,085	752	\$ 444,459	\$ 3,108	143	\$ 310,450	\$ 2,283	136
45-49	\$ 1,162,368	\$ 1,802	645	\$ 1,003,005	\$ 1,644	610	\$ 241,332	\$ 2,277	106	\$ 416,640	\$ 3,687	113
50-54	\$ 935,094	\$ 1,679	557	\$ 778,451	\$ 1,477	527	\$ 159,325	\$ 2,414	66	\$ 340,986	\$ 5,500	62
55-59	\$ 535,344	\$ 1,335	401	\$ 791,034	\$ 1,948	406	\$ 171,941	\$ 3,070	56	\$ 255,792	\$ 5,813	44
60-64	\$ 410,193	\$ 1,542	266	\$ 622,064	\$ 2,053	303	\$ 89,610	\$ 2,891	31	\$ 77,961	\$ 1,999	39
65-69	\$ 549,545	\$ 2,369	232	\$ 1,048,031	\$ 4,852	216	\$ 66,746	\$ 2,384	28	\$ 142,630	\$ 6,201	23
70-74	\$ 247,338	\$ 1,472	168	\$ 468,233	\$ 1,992	235	\$ 158,613	\$ 6,345	25	\$ 171,872	\$ 7,161	24
75-79	\$ 455,933	\$ 3,060	149	\$ 498,893	\$ 3,326	150	\$ 75,124	\$ 2,504	30	\$ 115,648	\$ 5,782	20
80-84	\$ 400,223	\$ 4,258	94	\$ 606,621	\$ 5,890	103	\$ 63,242	\$ 3,720	17	\$ 70,500	\$ 4,147	17
85+	\$ 95,438	\$ 2,579	37	\$ 74,754	\$ 2,076	36	\$ 47,001	\$ 5,875	8	\$ 64,596	\$ 7,177	9
Total	\$ 10,555,672	\$ 1,219	8,660	\$ 12,602,207	\$ 1,420	8,875	\$ 4,674,774	\$ 2,497	1,872	\$ 5,567,125	\$ 3,017	1,845



In white females wearing seatbelts, 1999 saw a(n)
increase of 19% in total costs and a(n)
increase of 16% in average hospital costs.

In white females not wearing seatbelts, 1999 saw a(n)
increase of 19% in total costs and a(n)
increase of 21% in average hospital costs.

Driver Hospital Costs Of White Race by Seatbelt Usage, Age and Sex												
White 98/99	MALE											
	1998 Seatbelt Usage = Yes			1999 Seatbelt Usage = Yes			1998 Seatbelt Usage= No			1999 Seatbelt Usage= No		
Age	Costs	Average Cost	Number	Costs	Average Cost	Number	Costs	Average Cost	Number	Costs	Average Cost	Number
15-19	\$ 1,662,539	\$ 1,574	1,056	\$ 1,849,951	\$ 1,641	1,127	\$ 1,307,286	\$ 2,129	614	\$ 1,801,764	\$ 3,064	588
20-24	\$ 734,677	\$ 912	806	\$ 1,485,271	\$ 1,611	922	\$ 974,021	\$ 2,108	462	\$ 1,841,325	\$ 3,468	531
25-29	\$ 695,700	\$ 966	720	\$ 1,355,319	\$ 1,735	781	\$ 1,612,192	\$ 4,554	354	\$ 1,959,261	\$ 5,142	381
30-34	\$ 758,353	\$ 1,147	661	\$ 995,782	\$ 1,556	640	\$ 890,709	\$ 2,920	305	\$ 983,331	\$ 3,267	301
35-39	\$ 659,991	\$ 1,202	549	\$ 1,071,242	\$ 1,669	642	\$ 1,125,424	\$ 4,107	274	\$ 1,322,888	\$ 4,562	290
40-44	\$ 857,464	\$ 1,757	488	\$ 852,791	\$ 1,571	543	\$ 880,229	\$ 4,094	215	\$ 1,171,432	\$ 5,398	217
45-49	\$ 687,572	\$ 1,657	415	\$ 737,082	\$ 1,649	447	\$ 792,650	\$ 5,249	151	\$ 873,776	\$ 5,461	160
50-54	\$ 456,762	\$ 1,410	324	\$ 847,185	\$ 2,161	392	\$ 599,888	\$ 5,309	113	\$ 526,485	\$ 4,387	120
55-59	\$ 341,013	\$ 1,160	294	\$ 431,749	\$ 1,499	288	\$ 954,223	\$ 10,260	93	\$ 328,488	\$ 3,911	84
60-64	\$ 481,422	\$ 2,260	213	\$ 494,681	\$ 2,461	201	\$ 216,863	\$ 3,739	58	\$ 296,496	\$ 4,942	60
65-69	\$ 510,606	\$ 2,869	178	\$ 320,186	\$ 1,952	164	\$ 277,790	\$ 4,554	61	\$ 824,746	\$ 15,273	54
70-74	\$ 330,662	\$ 1,934	171	\$ 416,935	\$ 2,004	208	\$ 440,200	\$ 8,465	52	\$ 337,773	\$ 6,032	56
75-79	\$ 579,285	\$ 3,941	147	\$ 487,349	\$ 3,065	159	\$ 460,078	\$ 14,841	31	\$ 262,136	\$ 6,553	40
80-84	\$ 109,644	\$ 1,290	85	\$ 283,321	\$ 3,257	87	\$ 223,731	\$ 6,992	32	\$ 234,740	\$ 8,694	27
85+	\$ 363,072	\$ 6,483	56	\$ 239,196	\$ 5,200	46	\$ 44,532	\$ 4,048	11	\$ 286,028	\$ 11,001	26
Total	\$ 9,228,763	\$ 1,497	6,163	\$ 11,868,041	\$ 1,785	6,647	\$ 10,799,817	\$ 3,822	2,826	\$ 13,050,670	\$ 4,447	2,935



In white males wearing seatbelts, 1999 saw a(n)
increase of 29% in total costs and a(n)
increase of 19% in average hospital costs.

In white males not wearing seatbelts, 1999 saw a(n)
increase of 21% in total costs and a(n)
increase of 16% in average hospital costs.

**1998 and 1999 Summary Tables
TN Crash Outcome Data Evaluation System
Driver Hospital Costs by Seatbelt Usage, Age, Sex, and Race**

Driver Hospital Costs Of White Race by Seatbelt Usage, Age and Sex												
White 98/99 Age	Total Hospital Costs by Sex											
	1998			1999			1998			1999		
	Female	Average Cost	Number	Female	Average Cost	Number	Male	Average Cost	Number	Male	Average Cost	Number
15-19	\$ 1,742,470	\$ 999	1,744	\$ 2,299,599	\$ 1,269	1,812	\$ 2,969,825	\$ 1,778	1,670	\$ 3,651,715	\$ 2,129	1,715
20-24	\$ 1,854,087	\$ 1,273	1,457	\$ 1,818,564	\$ 1,204	1,510	\$ 1,708,698	\$ 1,348	1,268	\$ 3,326,596	\$ 2,289	1,453
25-29	\$ 1,189,621	\$ 962	1,236	\$ 1,794,993	\$ 1,383	1,298	\$ 2,307,892	\$ 2,149	1,074	\$ 3,314,580	\$ 2,852	1,162
30-34	\$ 1,751,904	\$ 1,425	1,229	\$ 1,745,798	\$ 1,467	1,190	\$ 1,649,062	\$ 1,707	966	\$ 1,979,113	\$ 2,103	941
35-39	\$ 1,564,056	\$ 1,427	1,096	\$ 1,836,038	\$ 1,692	1,085	\$ 1,785,415	\$ 2,169	823	\$ 2,394,130	\$ 2,569	932
40-44	\$ 1,263,896	\$ 1,480	854	\$ 1,126,632	\$ 1,269	888	\$ 1,737,693	\$ 2,472	703	\$ 2,024,223	\$ 2,663	760
45-49	\$ 1,403,700	\$ 1,869	751	\$ 1,419,645	\$ 1,964	723	\$ 1,480,222	\$ 2,615	566	\$ 1,610,858	\$ 2,654	607
50-54	\$ 1,094,419	\$ 1,757	623	\$ 1,119,436	\$ 1,901	589	\$ 1,056,650	\$ 2,418	437	\$ 1,373,670	\$ 2,683	512
55-59	\$ 707,285	\$ 1,548	457	\$ 1,046,825	\$ 2,326	450	\$ 1,295,236	\$ 3,347	387	\$ 760,238	\$ 2,044	372
60-64	\$ 499,803	\$ 1,683	297	\$ 700,025	\$ 2,047	342	\$ 698,285	\$ 2,577	271	\$ 791,178	\$ 3,031	261
65-69	\$ 616,291	\$ 2,370	260	\$ 1,190,661	\$ 4,982	239	\$ 788,397	\$ 3,299	239	\$ 1,144,932	\$ 5,252	218
70-74	\$ 405,951	\$ 2,103	193	\$ 640,105	\$ 2,471	259	\$ 770,862	\$ 3,457	223	\$ 754,709	\$ 2,859	264
75-79	\$ 531,057	\$ 2,967	179	\$ 614,542	\$ 3,615	170	\$ 1,039,363	\$ 5,839	178	\$ 749,485	\$ 3,766	199
80-84	\$ 463,465	\$ 4,175	111	\$ 677,120	\$ 5,643	120	\$ 333,375	\$ 2,849	117	\$ 518,060	\$ 4,544	114
85+	\$ 142,440	\$ 3,165	45	\$ 139,350	\$ 3,097	45	\$ 407,605	\$ 6,084	67	\$ 525,224	\$ 7,295	72
Total	\$ 15,230,445	\$ 1,446	10,532	\$ 18,169,332	\$ 1,695	10,720	\$ 20,028,579	\$ 2,228	8,989	\$ 24,918,711	\$ 2,601	9,582



In white females involved in crashes, 1999 saw a(n)
increase of **19%** in total costs and a(n)
increase of **17%** in average hospital costs.

In white males involved in crashes, 1999 saw a(n)
increase of **24%** in total costs and a(n)
increase of **17%** in average hospital costs.

White 98/99 Age	Total Hospital Costs						Total Estimated Savings If Seatbelts Were Worn*					
	1998		Number	1999		Number	1998		Total Estimated Savings	1999		Total Estimated Savings
	Female/ Male	Average Cost		Female/ Male	Average Cost		Female	Male		Female	Male	
15-19	\$ 4,712,295	\$ 1,380	3,414	\$ 5,951,314	\$ 1,687	3,527	\$ 228,411	\$ 340,621	\$ 569,032	\$ 605,942	\$ 836,572	\$ 1,442,514
20-24	\$ 3,562,785	\$ 1,307	2,725	\$ 5,145,160	\$ 1,736	2,963	\$ 506,121	\$ 552,903	\$ 1,059,024	\$ 383,430	\$ 985,924	\$ 1,369,354
25-29	\$ 3,497,513	\$ 1,514	2,310	\$ 5,109,573	\$ 2,077	2,460	\$ 158,943	\$ 1,270,139	\$ 1,429,083	\$ 482,898	\$ 1,298,087	\$ 1,780,985
30-34	\$ 3,400,966	\$ 1,549	2,195	\$ 3,724,911	\$ 1,748	2,131	\$ 530,971	\$ 540,788	\$ 1,071,759	\$ 374,904	\$ 515,003	\$ 889,907
35-39	\$ 3,349,471	\$ 1,745	1,919	\$ 4,230,169	\$ 2,097	2,017	\$ 490,815	\$ 796,030	\$ 1,286,845	\$ 323,069	\$ 838,994	\$ 1,162,063
40-44	\$ 3,001,589	\$ 1,928	1,557	\$ 3,150,854	\$ 1,912	1,648	\$ 279,650	\$ 502,453	\$ 782,103	\$ 162,842	\$ 830,629	\$ 993,472
45-49	\$ 2,883,922	\$ 2,190	1,317	\$ 3,030,502	\$ 2,279	1,330	\$ 50,307	\$ 542,474	\$ 592,781	\$ 230,838	\$ 609,943	\$ 840,781
50-54	\$ 2,151,069	\$ 2,029	1,060	\$ 2,493,106	\$ 2,264	1,101	\$ 48,524	\$ 440,585	\$ 489,109	\$ 249,403	\$ 267,142	\$ 516,545
55-59	\$ 2,002,521	\$ 2,373	844	\$ 1,807,063	\$ 2,198	822	\$ 97,180	\$ 846,352	\$ 943,531	\$ 170,064	\$ 202,562	\$ 372,625
60-64	\$ 1,198,088	\$ 2,109	568	\$ 1,491,203	\$ 2,473	603	\$ 41,805	\$ 85,772	\$ 127,577	No Savings	\$ 148,830	\$ 148,830
65-69	\$ 1,404,688	\$ 2,815	499	\$ 2,335,592	\$ 5,111	457	\$ 422	\$ 102,807	\$ 103,229	\$ 31,034	\$ 719,319	\$ 750,353
70-74	\$ 1,176,813	\$ 2,829	416	\$ 1,394,814	\$ 2,667	523	\$ 121,806	\$ 339,648	\$ 461,455	\$ 124,053	\$ 225,521	\$ 349,574
75-79	\$ 1,570,420	\$ 4,399	357	\$ 1,364,027	\$ 3,697	369	No Savings	\$ 337,916	\$ 337,916	\$ 49,129	\$ 199,533	\$ 188,662
80-84	\$ 796,840	\$ 3,495	228	\$ 1,195,181	\$ 5,108	234	No Savings	\$ 182,453	\$ 182,453	No Savings	\$ 146,813	\$ 146,813
85+	\$ 550,044	\$ 4,911	112	\$ 664,575	\$ 5,680	117	\$ 26,366	No Savings	\$ 26,366	\$ 45,908	\$ 150,831	\$ 196,739
Total	\$ 35,259,025	\$ 1,806	19,521	\$ 43,088,043	\$ 2,122	20,302	\$ 2,581,322	\$ 6,880,940	\$ 9,462,262	\$ 3,233,514	\$ 7,915,704	\$ 11,149,218



In white drivers involved in crashes, 1999 saw a(n)
increase of **22%** in total costs and a(n)
increase of **18%** in average hospital costs.

White drivers not wearing seatbelts cost the state of
Tennessee an additional 9.5M in 1998 and 11M in 1999.

*Calculation is (avg cost while seatbelt = no - avg cost while seatbelt=yes) * number of spec. drivers not wearing seatbelts using non-rounded values

**1998 and 1999 Summary Tables
TN Crash Outcome Data Evaluation System
Driver Hospital Costs by Seatbelt Usage, Age, Sex, and Race**

98/99 Age	Percentage of Seatbelt Usage of White Race Female Drivers Involved In Crashes By Age							
	FEMALE							
	1998				1999			
	Wearing	% of Usage	Not Wearing	%Unrestrained	Wearing	% of Usage	Not Wearing	%Unrestrained
15-19	1,355	78%	389	22%	1,428	79%	384	21%
20-24	1,150	79%	307	21%	1,199	79%	311	21%
25-29	996	81%	240	19%	1,043	80%	255	20%
30-34	1,011	82%	218	18%	978	82%	212	18%
35-39	888	81%	208	19%	889	82%	196	18%
40-44	711	83%	143	17%	752	85%	136	15%
45-49	645	86%	106	14%	610	84%	113	16%
50-54	557	89%	66	11%	527	89%	62	11%
55-59	401	88%	56	12%	406	90%	44	10%
60-64	266	90%	31	10%	303	89%	39	11%
65-69	232	89%	28	11%	216	90%	23	10%
70-74	168	87%	25	13%	235	91%	24	9%
75-79	149	83%	30	17%	150	88%	20	12%
80-84	94	85%	17	15%	103	86%	17	14%
85+	37	82%	8	18%	36	80%	9	20%
Total	8,660	82%	1,872	18%	8,875	83%	1,845	17%

98/99 Age	Percentage of Seatbelt Usage of White Race Male Drivers Involved In Crashes By Age							
	MALE							
	1998				1999			
	Wearing	% of Usage	Not Wearing	%Unrestrained	Wearing	% of Usage	Not Wearing	%Unrestrained
15-19	1,056	63%	614	37%	1,127	66%	588	34%
20-24	806	64%	462	36%	922	63%	531	37%
25-29	720	67%	354	33%	781	67%	381	33%
30-34	661	68%	305	32%	640	68%	301	32%
35-39	549	67%	274	33%	642	69%	290	31%
40-44	488	69%	215	31%	543	71%	217	29%
45-49	415	73%	151	27%	447	74%	160	26%
50-54	324	74%	113	26%	392	77%	120	23%
55-59	294	76%	93	24%	288	77%	84	23%
60-64	213	79%	58	21%	201	77%	60	23%
65-69	178	74%	61	26%	164	75%	54	25%
70-74	171	77%	52	23%	208	79%	56	21%
75-79	147	83%	31	17%	159	80%	40	20%
80-84	85	73%	32	27%	87	76%	27	24%
85+	56	84%	11	16%	46	64%	26	36%
Total	6,163	69%	2,826	31%	6,647	69%	2,935	31%

**1998 and 1999 Summary Tables
TN Crash Outcome Data Evaluation System
Driver Hospital Costs by Seatbelt Usage, Age, Sex, and Race**

Driver Hospital Costs Of Black Race by Seatbelt Usage, Age and Sex												
FEMALE												
Black 98/99 Age	1998 Seatbelt Usage = Yes			1999 Seatbelt Usage = Yes			1998 Seatbelt Usage= No			1999 Seatbelt Usage= No		
	Costs	Average Cost	Number	Costs	Average Cost	Number	Costs	Average Cost	Number	Costs	Average Cost	Number
15-19	\$ 241,899	\$ 674	359	\$ 178,539	\$ 735	243	\$ 110,892	\$ 1,422	78	\$ 175,329	\$ 3,730	47
20-24	\$ 335,853	\$ 637	527	\$ 418,238	\$ 1,001	418	\$ 201,218	\$ 2,484	81	\$ 94,918	\$ 1,695	56
25-29	\$ 577,797	\$ 1,133	510	\$ 554,464	\$ 1,549	358	\$ 145,289	\$ 2,343	62	\$ 91,351	\$ 2,469	37
30-34	\$ 485,380	\$ 1,150	422	\$ 408,259	\$ 1,300	314	\$ 125,733	\$ 2,858	44	\$ 68,408	\$ 2,138	32
35-39	\$ 448,900	\$ 1,009	445	\$ 478,008	\$ 1,615	296	\$ 55,214	\$ 1,624	34	\$ 90,951	\$ 3,248	28
40-44	\$ 244,383	\$ 675	362	\$ 278,423	\$ 1,127	247	\$ 80,215	\$ 2,292	35	\$ 29,181	\$ 1,326	22
45-49	\$ 168,029	\$ 706	238	\$ 343,394	\$ 1,918	179	\$ 119,849	\$ 4,794	25	\$ 112,970	\$ 6,276	18
50-54	\$ 152,538	\$ 877	174	\$ 209,358	\$ 1,886	111	\$ 16,249	\$ 1,250	13	\$ 16,007	\$ 1,601	10
55-59	\$ 105,212	\$ 870	121	\$ 113,460	\$ 1,474	77	\$ 16,617	\$ 2,077	8	\$ 2,948	\$ 737	4
60-64	\$ 133,319	\$ 1,587	84	\$ 113,101	\$ 1,767	64	\$ 4,650	\$ 664	7	\$ 57,310	\$ 9,552	6
65-69	\$ 72,325	\$ 1,113	65	\$ 66,232	\$ 1,540	43	\$ 15,490	\$ 2,582	6	\$ 67,377	\$ 22,459	3
70-74	\$ 112,735	\$ 2,349	48	\$ 37,653	\$ 1,298	29	\$ 129,757	\$ 32,439	4	\$ 20,402	\$ 6,801	3
75-79	\$ 24,996	\$ 961	26	\$ 82,380	\$ 5,149	16	\$ 1,190	\$ 1,190	1	\$ -	\$ -	0
80-84	\$ 29,769	\$ 4,962	6	\$ 13,915	\$ 1,739	8	\$ 12,698	\$ 3,174	4	\$ 1,359	\$ 679	2
85+	\$ 3,149	\$ 630	5	\$ 98,503	\$ 98,503	1	\$ -	\$ -	0	\$ -	\$ -	0
Total	\$ 3,136,284	\$ 925	3,392	\$ 3,393,926	\$ 1,412	2,404	\$ 1,035,060	\$ 2,575	402	\$ 828,511	\$ 3,091	268



In black females wearing seatbelts, 1999 saw a(n)
increase of 8% in total costs and a(n)
increase of 16% in average hospital costs.

In black females not wearing seatbelts, 1999 saw a(n)
decrease of 20% in total costs and a(n)
increase of 20% in average hospital costs.

MALE												
Black 98/99 Age	1998 Seatbelt Usage = Yes			1999 Seatbelt Usage = Yes			1998 Seatbelt Usage= No			1999 Seatbelt Usage= No		
	Costs	Average Cost	Number	Costs	Average Cost	Number	Costs	Average Cost	Number	Costs	Average Cost	Number
15-19	\$ 167,315	\$ 715	234	\$ 291,869	\$ 1,438	203	\$ 388,106	\$ 4,001	97	\$ 378,542	\$ 6,527	58
20-24	\$ 424,403	\$ 1,189	357	\$ 315,018	\$ 1,406	224	\$ 465,188	\$ 4,652	100	\$ 241,139	\$ 2,772	87
25-29	\$ 456,850	\$ 1,464	312	\$ 345,022	\$ 1,575	219	\$ 316,421	\$ 4,723	67	\$ 405,292	\$ 6,644	61
30-34	\$ 247,219	\$ 951	260	\$ 329,942	\$ 1,793	184	\$ 247,919	\$ 3,593	69	\$ 163,606	\$ 3,636	45
35-39	\$ 395,663	\$ 1,759	225	\$ 220,806	\$ 1,227	180	\$ 214,050	\$ 3,755	57	\$ 204,311	\$ 4,865	42
40-44	\$ 329,025	\$ 1,597	206	\$ 178,203	\$ 1,212	147	\$ 254,142	\$ 5,295	48	\$ 23,354	\$ 973	24
45-49	\$ 238,735	\$ 1,465	163	\$ 161,438	\$ 1,281	126	\$ 87,559	\$ 3,127	28	\$ 147,116	\$ 5,658	26
50-54	\$ 152,761	\$ 1,175	130	\$ 243,095	\$ 2,671	91	\$ 153,503	\$ 4,952	31	\$ 39,722	\$ 2,337	17
55-59	\$ 130,753	\$ 1,437	91	\$ 189,018	\$ 2,953	64	\$ 38,177	\$ 1,660	23	\$ 458,657	\$ 30,577	15
60-64	\$ 185,386	\$ 2,943	63	\$ 82,175	\$ 2,651	31	\$ 24,460	\$ 1,882	13	\$ 2,216	\$ 443	5
65-69	\$ 41,934	\$ 975	43	\$ 58,363	\$ 3,072	19	\$ 117,314	\$ 19,552	6	\$ 18,325	\$ 3,665	5
70-74	\$ 69,642	\$ 1,882	37	\$ 13,180	\$ 694	19	\$ 61,873	\$ 5,625	11	\$ 20,091	\$ 3,349	6
75-79	\$ 74,633	\$ 2,408	31	\$ 108,666	\$ 7,244	15	\$ 16,058	\$ 2,676	6	\$ 1,311	\$ 656	2
80-84	\$ 49,922	\$ 3,566	14	\$ 8,995	\$ 2,249	4	\$ 4,487	\$ 1,122	4	\$ 267	\$ 267	1
85+	\$ 3,559	\$ 593	6	\$ 35,091	\$ 2,699	13	\$ 39,814	\$ 13,271	3	\$ -	\$ -	0
Total	\$ 2,967,802	\$ 1,366	2,172	\$ 2,580,881	\$ 1,677	1,539	\$ 2,429,072	\$ 4,315	563	\$ 2,103,950	\$ 5,340	394



In black males wearing seatbelts, 1999 saw a(n)
decrease of 13% in total costs and a(n)
increase of 23% in average hospital costs.

In black males not wearing seatbelts, 1999 saw a(n)
decrease of 13% in total costs and a(n)
increase of 24% in average hospital costs.

**1998 and 1999 Summary Tables
TN Crash Outcome Data Evaluation System
Driver Hospital Costs by Seatbelt Usage, Age, Sex, and Race**

**1998 and 1999 Summary Tables
TN Crash Outcome Data Evaluation System
Driver Hospital Costs by Seatbelt Usage, Age, Sex, and Race**

Driver Hospital Costs Of Black Race by Seatbelt Usage, Age and Sex												
Black 98/99 Age	Total Hospital Costs by Sex											
	1998			1999			1998			1999		
	Female	Average Cost	Number	Female	Average Cost	Number	Male	Average Cost	Number	Male	Average Cost	Number
15-19	\$ 352,791	\$ 807	437	\$ 353,868	\$ 1,220	290	\$ 555,421	\$ 1,678	331	\$ 670,411	\$ 2,569	261
20-24	\$ 537,072	\$ 883	608	\$ 513,156	\$ 1,083	474	\$ 889,592	\$ 1,947	457	\$ 556,156	\$ 1,788	311
25-29	\$ 723,085	\$ 1,264	572	\$ 645,814	\$ 1,635	395	\$ 773,271	\$ 2,040	379	\$ 750,314	\$ 2,680	280
30-34	\$ 611,113	\$ 1,311	466	\$ 476,666	\$ 1,378	346	\$ 495,138	\$ 1,505	329	\$ 493,548	\$ 2,155	229
35-39	\$ 504,113	\$ 1,052	479	\$ 568,959	\$ 1,756	324	\$ 609,713	\$ 2,162	282	\$ 425,117	\$ 1,915	222
40-44	\$ 324,597	\$ 818	397	\$ 307,604	\$ 1,144	269	\$ 583,167	\$ 2,296	254	\$ 201,557	\$ 1,179	171
45-49	\$ 287,878	\$ 1,095	263	\$ 456,364	\$ 2,317	197	\$ 326,294	\$ 1,708	191	\$ 308,554	\$ 2,030	152
50-54	\$ 168,786	\$ 903	187	\$ 225,365	\$ 1,863	121	\$ 306,265	\$ 1,902	161	\$ 282,818	\$ 2,619	108
55-59	\$ 121,829	\$ 944	129	\$ 116,409	\$ 1,437	81	\$ 168,931	\$ 1,482	114	\$ 647,675	\$ 8,198	79
60-64	\$ 137,969	\$ 1,516	91	\$ 170,411	\$ 2,434	70	\$ 209,847	\$ 2,761	76	\$ 84,391	\$ 2,344	36
65-69	\$ 87,815	\$ 1,237	71	\$ 133,609	\$ 2,905	46	\$ 159,248	\$ 3,250	49	\$ 76,688	\$ 3,195	24
70-74	\$ 242,492	\$ 4,663	52	\$ 58,055	\$ 1,814	32	\$ 131,515	\$ 2,740	48	\$ 33,271	\$ 1,331	25
75-79	\$ 26,186	\$ 970	27	\$ 82,380	\$ 5,149	16	\$ 90,691	\$ 2,451	37	\$ 109,977	\$ 6,469	17
80-84	\$ 42,467	\$ 4,247	10	\$ 15,273	\$ 1,527	10	\$ 54,409	\$ 3,023	18	\$ 9,262	\$ 1,852	5
85+	\$ 3,149	\$ 630	5	\$ 98,503	\$ 98,503	1	\$ 43,372	\$ 4,819	9	\$ 35,091	\$ 2,699	13
Total	\$ 4,171,344	\$ 1,099	3,794	\$ 4,222,437	\$ 1,580	2,672	\$ 5,396,874	\$ 1,973	2,735	\$ 4,684,831	\$ 2,424	1,933



In black females involved in crashes, 1999 saw a(n)
increase of 1% in total costs and a(n)
increase of 44% in average hospital costs.

In black males involved in crashes, 1999 saw a(n)
decrease of 13% in total costs and a(n)
increase of 23% in average hospital costs.

Black 98/99 Age	Total Hospital Costs						Total Estimated Savings If Seatbelts Were Worn*					
	1998		Number	1999		Number	1998		Total Estimated Savings	1999		Total Estimated Savings
	Female/ Male	Average Cost		Female/ Male	Average Cost		Female	Male		Female	Male	
15-19	\$ 908,213	\$ 1,183	768	\$ 1,024,279	\$ 1,859	551	\$ 58,335	\$ 318,749	\$ 377,083	\$ 140,797	\$ 295,151	\$ 435,948
20-24	\$ 1,426,664	\$ 1,340	1,065	\$ 1,069,313	\$ 1,362	785	\$ 149,598	\$ 346,308	\$ 495,906	\$ 38,886	\$ 118,788	\$ 157,675
25-29	\$ 1,496,356	\$ 1,573	951	\$ 1,396,128	\$ 2,068	675	\$ 75,047	\$ 218,315	\$ 293,362	\$ 34,046	\$ 309,190	\$ 343,236
30-34	\$ 1,106,251	\$ 1,392	795	\$ 970,214	\$ 1,687	575	\$ 75,124	\$ 182,310	\$ 257,435	\$ 26,802	\$ 82,914	\$ 109,716
35-39	\$ 1,113,826	\$ 1,464	761	\$ 994,077	\$ 1,821	546	\$ 20,916	\$ 113,815	\$ 134,731	\$ 45,734	\$ 152,790	\$ 198,524
40-44	\$ 907,764	\$ 1,394	651	\$ 509,161	\$ 1,157	440	\$ 56,587	\$ 177,476	\$ 234,063	\$ 4,383	No Savings	\$ 4,383
45-49	\$ 614,172	\$ 1,353	454	\$ 764,918	\$ 2,192	349	\$ 102,199	\$ 46,550	\$ 148,749	\$ 78,439	\$ 113,804	\$ 192,243
50-54	\$ 475,051	\$ 1,365	348	\$ 508,182	\$ 2,219	229	\$ 4,852	\$ 117,076	\$ 121,928	No Savings	No Savings	No Savings
55-59	\$ 290,759	\$ 1,197	243	\$ 764,084	\$ 4,776	160	\$ 9,661	\$ 5,129	\$ 14,790	No Savings	\$ 414,356	\$ 414,356
60-64	\$ 347,816	\$ 2,083	167	\$ 254,803	\$ 2,404	106	No Savings	No Savings	No Savings	\$ 46,706	No Savings	\$ 46,706
65-69	\$ 247,063	\$ 2,059	120	\$ 210,297	\$ 3,004	70	\$ 8,814	\$ 111,463	\$ 120,276	\$ 62,756	\$ 2,966	\$ 65,722
70-74	\$ 374,007	\$ 3,740	100	\$ 91,326	\$ 1,602	57	\$ 120,362	\$ 41,169	\$ 161,531	\$ 16,507	\$ 15,929	\$ 32,436
75-79	\$ 116,878	\$ 1,826	64	\$ 192,357	\$ 5,829	33	\$ 229	\$ 1,613	\$ 1,841	No Savings	No Savings	No Savings
80-84	\$ 96,877	\$ 3,460	28	\$ 24,535	\$ 1,636	15	No Savings	No Savings	No Savings	No Savings	No Savings	No Savings
85+	\$ 46,521	\$ 3,323	14	\$ 133,594	\$ 9,542	14	No Savings	\$ 38,034	\$ 38,034	No Savings	No Savings	No Savings
Total	\$ 9,568,218	\$ 1,465	6,529	\$ 8,907,268	\$ 1,934	4,605	\$ 681,722	\$ 1,718,007	\$ 2,399,729	\$ 495,056	\$ 1,505,888	\$ 2,000,943



In black drivers involved in crashes, 1999 saw a(n)
decrease of 7% in total costs and a(n)
increase of 32% in average hospital costs.

Black drivers not wearing seatbelts cost the state of Tennessee an additional 2.4M in 1998 and 2M in 1999.

*Calculation is (avg cost while seatbelt = no - avg cost while seatbelt=yes) * number of spec. drivers not wearing seatbelts using non-rounded values

**1998 and 1999 Summary Tables
TN Crash Outcome Data Evaluation System
Driver Hospital Costs by Seatbelt Usage, Age, Sex, and Race**

Black 98/99 Age	Percentage of Seatbelt Usage of Black Race Female Drivers Involved In Crashes By Age							
	FEMALE							
	1998				1999			
	Wearing	% of Usage	Not Wearing	%Unrestrained	Wearing	% of Usage	Not Wearing	%Unrestrained
15-19	359	82%	78	18%	243	81%	58	19%
20-24	527	87%	81	13%	418	83%	87	17%
25-29	510	89%	62	11%	358	85%	61	15%
30-34	422	91%	44	9%	314	87%	45	13%
35-39	445	93%	34	7%	296	88%	42	12%
40-44	362	91%	35	9%	247	91%	24	9%
45-49	238	90%	25	10%	179	87%	26	13%
50-54	174	93%	13	7%	111	87%	17	13%
55-59	121	94%	8	6%	77	84%	15	16%
60-64	84	92%	7	8%	64	93%	5	7%
65-69	65	92%	6	8%	43	90%	5	10%
70-74	48	92%	4	8%	29	83%	6	17%
75-79	26	96%	1	4%	16	89%	2	11%
80-84	6	60%	4	40%	8	89%	1	11%
85+	5	100%	0	0%	1	100%	0	0%
Total	3,392	89%	402	11%	2,404	86%	394	14%

Black 98/99 Age	Percentage of Seatbelt Usage of Black Race Male Drivers Involved In Crashes By Age							
	MALE							
	1998				1999			
	Wearing	% of Usage	Not Wearing	% Unrestrained	Wearing	% of Usage	Not Wearing	%Unrestrained
15-19	234	71%	97	29%	203	78%	58	22%
20-24	357	78%	100	22%	224	72%	87	28%
25-29	312	82%	67	18%	219	78%	61	22%
30-34	260	79%	69	21%	184	80%	45	20%
35-39	225	80%	57	20%	180	81%	42	19%
40-44	206	81%	48	19%	147	86%	24	14%
45-49	163	85%	28	15%	126	83%	26	17%
50-54	130	81%	31	19%	91	84%	17	16%
55-59	91	80%	23	20%	64	81%	15	19%
60-64	63	83%	13	17%	31	86%	5	14%
65-69	43	88%	6	12%	19	79%	5	21%
70-74	37	77%	11	23%	19	76%	6	24%
75-79	31	84%	6	16%	15	88%	2	12%
80-84	14	78%	4	22%	4	80%	1	20%
85+	6	67%	3	33%	13	100%	0	0%
Total	2,172	79%	563	21%	1,539	80%	394	20%

**1998 and 1999 Summary Tables
TN Crash Outcome Data Evaluation System
Driver Hospital Costs by Seatbelt Usage, Age, Sex, and Race**

Driver Hospital Costs Of Other Race by Seatbelt Usage, Age and Sex													
FEMALE													
Other 98/99 Age	1998 Seatbelt Usage = Yes			1999 Seatbelt Usage = Yes			1998 Seatbelt Usage= No			1999 Seatbelt Usage= No			
	Costs	Average Cost	Number	Costs	Average Cost	Number	Costs	Average Cost	Number	Costs	Average Cost	Number	
15-19	\$ 17,222	\$ 718	24	\$ 10,823	\$ 833	13	\$ 4,195	\$ 699	6	\$ 2,093	\$ 1,046	2	
20-24	\$ 13,067	\$ 451	29	\$ 7,641	\$ 588	13	\$ 6,163	\$ 685	9	\$ 909	\$ 454	2	
25-29	\$ 35,726	\$ 1,116	32	\$ 35,067	\$ 1,461	24	\$ 2,962	\$ 740	4	\$ 3,418	\$ 1,139	3	
30-34	\$ 11,137	\$ 586	19	\$ 11,232	\$ 661	17	\$ -	\$ -	0	\$ 1,501	\$ 500	3	
35-39	\$ 20,448	\$ 852	24	\$ 9,025	\$ 645	14	\$ 2,635	\$ 659	4	\$ 1,821	\$ 910	2	
40-44	\$ 33,450	\$ 1,287	26	\$ 20,574	\$ 1,470	14	\$ 5,041	\$ 1,260	4	\$ -	\$ -	0	
45-49	\$ 12,615	\$ 841	15	\$ 6,735	\$ 518	13	\$ -	\$ -	0	\$ 783	\$ 392	2	
50-54	\$ 30,077	\$ 2,506	12	\$ 1,298	\$ 260	5	\$ -	\$ -	0	\$ 900	\$ 900	1	
55-59	\$ 9,131	\$ 761	12	\$ 2,202	\$ 2,202	1	\$ -	\$ -	0	\$ -	\$ -	0	
60-64	\$ 2,689	\$ 448	6	\$ 1,512	\$ 504	3	\$ -	\$ -	0	\$ -	\$ -	0	
65-69	\$ 2,306	\$ 769	3	\$ 2,784	\$ 464	6	\$ -	\$ -	0	\$ -	\$ -	0	
70-74	\$ 891	\$ 891	1	\$ 655	\$ 655	1	\$ -	\$ -	0	\$ -	\$ -	0	
75-79	\$ 12,414	\$ 2,483	5	\$ 12,169	\$ 3,042	4	\$ -	\$ -	0	\$ -	\$ -	0	
80-84	\$ 8,123	\$ 4,061	2	\$ 556	\$ 556	1	\$ 234	\$ 234	1	\$ 1,894	\$ 1,894	1	
85+	\$ -	\$ -	0	\$ 7,276	\$ 7,276	1	\$ -	\$ -	0	\$ -	\$ -	0	
Total	\$ 209,294	\$ 997	210	\$ 129,548	\$ 997	130	\$ 21,228	\$ 758	28	\$ 13,320	\$ 832	16	



In females of other known races wearing seatbelts, 1999 saw a(n)
decrease of 38% in total costs and a(n)
decrease of 0% in average hospital costs.

In other known race females not wearing seatbelts, 1999 saw a(n)
decrease of 37% in total costs and a(n)
increase of 10% in average hospital costs.

MALE													
Other 98/99 Age	1998 Seatbelt Usage = Yes			1999 Seatbelt Usage = Yes			1998 Seatbelt Usage= No			1999 Seatbelt Usage= No			
	Costs	Average Cost	Number	Costs	Average Cost	Number	Costs	Average Cost	Number	Costs	Average Cost	Number	
15-19	\$ 21,321	\$ 820	26	\$ 4,959	\$ 620	8	\$ 7,140	\$ 1,190	6	\$ 2,862	\$ 715	4	
20-24	\$ 26,683	\$ 1,160	23	\$ 15,245	\$ 847	18	\$ 12,658	\$ 666	19	\$ 8,664	\$ 1,733	5	
25-29	\$ 12,118	\$ 713	17	\$ 17,066	\$ 853	20	\$ 9,358	\$ 720	13	\$ 4,733	\$ 1,578	3	
30-34	\$ 85,119	\$ 3,274	26	\$ 9,544	\$ 530	18	\$ 4,332	\$ 722	6	\$ 4,991	\$ 1,248	4	
35-39	\$ 9,062	\$ 533	17	\$ 11,131	\$ 856	13	\$ 1,831	\$ 610	3	\$ 17,662	\$ 4,416	4	
40-44	\$ 4,796	\$ 369	13	\$ 17,341	\$ 1,927	9	\$ 1,790	\$ 895	2	\$ 2,207	\$ 736	3	
45-49	\$ 5,015	\$ 557	9	\$ 13,990	\$ 1,399	10	\$ 11,055	\$ 3,685	3	\$ 3,628	\$ 3,628	1	
50-54	\$ 1,606	\$ 401	4	\$ 3,442	\$ 574	6	\$ 14,664	\$ 7,332	2	\$ -	\$ -	0	
55-59	\$ 950	\$ 317	3	\$ 4,599	\$ 766	6	\$ 1,004	\$ 502	2	\$ 4,448	\$ 1,483	3	
60-64	\$ 3,218	\$ 536	6	\$ 4,393	\$ 732	6	\$ 2,391	\$ 1,195	2	\$ -	\$ -	0	
65-69	\$ 4,281	\$ 2,140	2	\$ 645	\$ 645	1	\$ -	\$ -	0	\$ 1,819	\$ 1,819	1	
70-74	\$ 7,206	\$ 2,402	3	\$ 1,666	\$ 555	3	\$ -	\$ -	0	\$ -	\$ -	0	
75-79	\$ 89	\$ 89	1	\$ 799	\$ 799	1	\$ 272	\$ 272	1	\$ -	\$ -	0	
80-84	\$ 54,142	\$ 54,142	1	\$ -	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	
85+	\$ 2,551	\$ 2,551	1	\$ -	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	
Total	\$ 238,157	\$ 1,567	152	\$ 104,818	\$ 881	119	\$ 66,493	\$ 1,127	59	\$ 51,014	\$ 1,822	28	



In males of other known races wearing seatbelts, 1999 saw a(n)
decrease of 56% in total costs and a(n)
decrease of 44% in average hospital costs.

In males of other known races not wearing seatbelts, 1999 saw a(n)
decrease of 23% in total costs and a(n)
increase of 62% in average hospital costs.

**1998 and 1999 Summary Tables
TN Crash Outcome Data Evaluation System
Driver Hospital Costs by Seatbelt Usage, Age, Sex, and Race**

Driver Hospital Costs Of Other Race by Seatbelt Usage, Age and Sex												
Other 98/99 Age	Total Hospital Costs by Sex											
	1998			1999			1998			1999		
	Female	Average Cost	Number	Female	Average Cost	Number	Male	Average Cost	Number	Male	Average Cost	Number
15-19	\$ 21,417	\$ 714	30	\$ 12,915	\$ 861	15	\$ 28,460	\$ 889	32	\$ 7,821	\$ 652	12
20-24	\$ 19,230	\$ 506	38	\$ 8,550	\$ 570	15	\$ 39,341	\$ 937	42	\$ 23,909	\$ 1,040	23
25-29	\$ 38,688	\$ 1,075	36	\$ 38,486	\$ 1,425	27	\$ 21,476	\$ 716	30	\$ 21,799	\$ 948	23
30-34	\$ 11,137	\$ 586	19	\$ 12,733	\$ 637	20	\$ 89,451	\$ 2,795	32	\$ 14,534	\$ 661	22
35-39	\$ 23,083	\$ 824	28	\$ 10,846	\$ 678	16	\$ 10,893	\$ 545	20	\$ 28,793	\$ 1,694	17
40-44	\$ 38,491	\$ 1,283	30	\$ 20,574	\$ 1,470	14	\$ 6,586	\$ 439	15	\$ 19,548	\$ 1,629	12
45-49	\$ 12,615	\$ 841	15	\$ 7,518	\$ 501	15	\$ 16,070	\$ 1,339	12	\$ 17,617	\$ 1,602	11
50-54	\$ 30,077	\$ 2,506	12	\$ 2,199	\$ 366	6	\$ 16,270	\$ 2,712	6	\$ 3,442	\$ 574	6
55-59	\$ 9,131	\$ 761	12	\$ 2,202	\$ 2,202	1	\$ 1,954	\$ 391	5	\$ 9,046	\$ 1,005	9
60-64	\$ 2,689	\$ 448	6	\$ 1,512	\$ 504	3	\$ 5,609	\$ 701	8	\$ 4,393	\$ 732	6
65-69	\$ 2,306	\$ 769	3	\$ 2,784	\$ 464	6	\$ 4,281	\$ 2,140	2	\$ 2,464	\$ 1,232	2
70-74	\$ 891	\$ 891	1	\$ 655	\$ 655	1	\$ 7,206	\$ 2,402	3	\$ 1,666	\$ 555	3
75-79	\$ 12,414	\$ 2,483	5	\$ 12,169	\$ 3,042	4	\$ 361	\$ 181	2	\$ 799	\$ 799	1
80-84	\$ 8,356	\$ 2,785	3	\$ 2,450	\$ 1,225	2	\$ 54,142	\$ 54,142	1	\$ -	\$ -	0
85+	\$ -	\$ -	0	\$ 7,276	\$ 7,276	1	\$ 2,551	\$ 2,551	1	\$ -	\$ -	0
Total	\$ 230,523	\$ 969	238	\$ 142,867	\$ 979	146	\$ 304,650	\$ 1,444	211	\$ 155,831	\$ 1,060	147



In females of other known races involved in crashes, 1999 saw a(n) decrease of 38% in total costs and a(n) increase of 1% in average hospital costs.

In males of other known races involved in crashes, 1999 saw a(n) decrease of 49% in total costs and a(n) decrease of 27% in average hospital costs.

Other 98/99 Age	Total Hospital Costs						Total Estimated Savings If Seatbelts Were Worn*					
	1998		Number	1999		Number	1998		Total Estimated Savings	1999		Total Estimated Savings
	Female/ Male	Average Cost		Female/ Male	Average Cost		Female	Male		Female	Male	
15-19	\$ 49,877	\$ 804	62	\$ 20,736	\$ 768	27	No Savings	\$ 2,219	\$ 2,219	\$ 428	\$ 383	\$ 810
20-24	\$ 58,571	\$ 732	80	\$ 32,459	\$ 854	38	\$ 2,107	No Savings	\$ 2,107	No Savings	\$ 4,430	\$ 4,430
25-29	\$ 60,164	\$ 912	66	\$ 60,284	\$ 1,206	50	No Savings	\$ 91	\$ 91	No Savings	\$ 2,173	\$ 2,173
30-34	\$ 100,587	\$ 1,972	51	\$ 27,267	\$ 649	42	No Savings	No Savings	No Savings	No Savings	\$ 2,870	\$ 2,870
35-39	\$ 33,975	\$ 708	48	\$ 39,639	\$ 1,201	33	No Savings	\$ 232	\$ 232	\$ 531	\$ 14,237	\$ 14,769
40-44	\$ 45,077	\$ 1,002	45	\$ 40,122	\$ 1,543	26	No Savings	\$ 1,052	\$ 1,052	No Savings	No Savings	No Savings
45-49	\$ 28,685	\$ 1,062	27	\$ 25,136	\$ 967	26	No Savings	\$ 9,383	\$ 9,383	No Savings	\$ 2,229	\$ 2,229
50-54	\$ 46,347	\$ 2,575	18	\$ 5,640	\$ 470	12	No Savings	\$ 13,861	\$ 13,861	\$ 641	No Savings	\$ 641
55-59	\$ 11,085	\$ 652	17	\$ 11,248	\$ 1,125	10	No Savings	\$ 371	\$ 371	No Savings	\$ 2,148	\$ 2,148
60-64	\$ 8,298	\$ 593	14	\$ 5,905	\$ 656	9	No Savings	\$ 1,318	\$ 1,318	No Savings	No Savings	No Savings
65-69	\$ 6,587	\$ 1,317	5	\$ 5,247	\$ 656	8	No Savings	No Savings	No Savings	No Savings	\$ 1,174	\$ 1,174
70-74	\$ 8,097	\$ 2,024	4	\$ 2,321	\$ 580	4	No Savings	No Savings	No Savings	No Savings	No Savings	No Savings
75-79	\$ 12,775	\$ 1,825	7	\$ 12,968	\$ 2,594	5	No Savings	\$ 183	\$ 183	No Savings	No Savings	No Savings
80-84	\$ 62,498	\$ 15,625	4	\$ 2,450	\$ 1,225	2	No Savings	No Savings	No Savings	\$ 1,339	No Savings	\$ 1,339
85+	\$ 2,551	\$ 2,551	1	\$ 7,276	\$ 7,276	1	No Savings	No Savings	No Savings	No Savings	No Savings	No Savings
Total	\$ 535,173	\$ 1,192	449	\$ 298,699	\$ 1,019	293	\$ 2,107	\$ 28,710	\$ 30,817	\$ 2,939	\$ 29,644	\$ 32,582



In drivers of other known races involved in crashes, 1999 saw a(n) decrease of 44% in total costs and a(n) decrease of 14% in average hospital costs.

Drivers of other known races not wearing seatbelts cost the state of Tennessee an additional 31 thousand dollars in 1998 and 33 thousand dollars in 1999.

*Calculation is (avg cost while seatbelt = no - avg cost while seatbelt=yes) * number of specific drivers not wearing seatbelts using non-rounded values

**1998 and 1999 Summary Tables
 TN Crash Outcome Data Evaluation System
 Driver Hospital Costs by Seatbelt Usage, Age, Sex, and Race**

Other 98/99 Age	Percentage of Seatbelt Usage of Other Race Female Drivers Involved In Crashes By Age							
	FEMALE							
	1998				1999			
	Wearing	% of Usage	Not Wearing	%Unrestrained	Wearing	% of Usage	Not Wearing	%Unrestrained
15-19	24	80%	6	20%	13	87%	2	13%
20-24	29	76%	9	24%	13	87%	2	13%
25-29	32	89%	4	11%	24	89%	3	11%
30-34	19	100%	0	0%	17	85%	3	15%
35-39	24	86%	4	14%	14	88%	2	13%
40-44	26	87%	4	13%	14	100%	0	0%
45-49	15	100%	0	0%	13	87%	2	13%
50-54	12	100%	0	0%	5	83%	1	17%
55-59	12	100%	0	0%	1	100%	0	0%
60-64	6	100%	0	0%	3	100%	0	0%
65-69	3	100%	0	0%	6	100%	0	0%
70-74	1	100%	0	0%	1	100%	0	0%
75-79	5	100%	0	0%	4	100%	0	0%
80-84	2	67%	1	33%	1	50%	1	50%
85+	0	0%	0	0%	1	100%	0	0%
Total	210	88%	28	12%	130	89%	16	11%

Other 98/99 Age	Percentage of Seatbelt Usage of Other Race Male Drivers Involved In Crashes By Age							
	MALE							
	1998				1999			
	Wearing	% of Usage	Not Wearing	% Unrestrained	Wearing	% of Usage	Not Wearing	%Unrestrained
15-19	26	81%	6	19%	8	67%	4	33%
20-24	23	55%	19	45%	18	78%	5	22%
25-29	17	57%	13	43%	20	87%	3	13%
30-34	26	81%	6	19%	18	82%	4	18%
35-39	17	85%	3	15%	13	76%	4	24%
40-44	13	87%	2	13%	9	75%	3	25%
45-49	9	75%	3	25%	10	91%	1	9%
50-54	4	67%	2	33%	6	100%	0	0%
55-59	3	60%	2	40%	6	67%	3	33%
60-64	6	75%	2	25%	6	100%	0	0%
65-69	2	100%	0	0%	1	50%	1	50%
70-74	3	100%	0	0%	3	100%	0	0%
75-79	1	50%	1	50%	1	100%	0	0%
80-84	1	100%	0	0%	0	0%	0	0%
85+	1	100%	0	0%	0	0%	0	0%
Total	152	72%	59	28%	119	81%	28	19%

**1998 and 1999 Summary Tables
TN Crash Outcome Data Evaluation System
Driver Hospital Costs by Seatbelt Usage, Age, Sex, and Race**

Driver Hospital Costs Of Unknown Race by Seatbelt Usage, Age and Sex												
Unk- nown 98/99 Age	FEMALE											
	1998 Seatbelt Usage = Yes			1999 Seatbelt Usage = Yes			1998 Seatbelt Usage= No			1999 Seatbelt Usage= No		
	Costs	Average Cost	Number	Costs	Average Cost	Number	Costs	Average Cost	Number	Costs	Average Cost	Number
15-19	\$ 166,044	\$ 1,372	121	\$ 544,094	\$ 3,533	154	\$ 213,802	\$ 7,127	30	\$ 92,435	\$ 4,402	21
20-24	\$ 590,726	\$ 3,912	151	\$ 451,770	\$ 2,582	175	\$ 172,959	\$ 6,918	25	\$ 211,147	\$ 6,598	32
25-29	\$ 164,996	\$ 1,279	129	\$ 198,304	\$ 1,491	133	\$ 326,885	\$ 11,674	28	\$ 466,434	\$ 20,280	23
30-34	\$ 222,344	\$ 1,933	115	\$ 169,087	\$ 1,708	99	\$ 80,177	\$ 3,818	21	\$ 265,140	\$ 9,469	28
35-39	\$ 341,537	\$ 3,222	106	\$ 185,928	\$ 1,603	116	\$ 439,643	\$ 17,586	25	\$ 104,687	\$ 5,510	19
40-44	\$ 223,358	\$ 2,279	98	\$ 208,892	\$ 2,347	89	\$ 102,040	\$ 6,002	17	\$ 49,676	\$ 3,312	15
45-49	\$ 179,467	\$ 2,111	85	\$ 268,531	\$ 3,443	78	\$ 38,788	\$ 6,465	6	\$ 78,755	\$ 7,160	11
50-54	\$ 310,596	\$ 5,264	59	\$ 146,724	\$ 2,445	60	\$ 201,104	\$ 22,345	9	\$ 51,504	\$ 12,876	4
55-59	\$ 552,291	\$ 17,259	32	\$ 151,811	\$ 4,337	35	\$ 248,788	\$ 27,643	9	\$ 15,137	\$ 3,784	4
60-64	\$ 60,309	\$ 2,412	25	\$ 71,926	\$ 2,766	26	\$ 30,125	\$ 6,025	5	\$ 8,155	\$ 2,718	3
65-69	\$ 67,889	\$ 2,263	30	\$ 92,593	\$ 6,173	15	\$ 287,593	\$ 95,864	3	\$ 43,678	\$ 14,559	3
70-74	\$ 19,279	\$ 1,483	13	\$ 108,317	\$ 7,737	14	\$ 4,287	\$ 2,143	2	\$ 17,712	\$ 17,712	1
75-79	\$ 87,571	\$ 5,838	15	\$ 237,508	\$ 18,270	13	\$ 63,694	\$ 12,739	5	\$ 24,133	\$ 6,033	4
80-84	\$ 17,183	\$ 2,864	6	\$ 213,612	\$ 35,602	6	\$ 37,481	\$ 18,741	2	\$ 90,060	\$ 90,060	1
85+	\$ 439	\$ 220	2	\$ 100,382	\$ 33,461	3	\$ 2,382	\$ 2,382	1	\$ -	\$ -	0
Total	\$ 3,004,031	\$ 3,044	987	\$ 3,149,478	\$ 3,100	1,016	\$ 2,249,748	\$ 11,967	188	\$ 1,518,653	\$ 8,986	169



In females of unknown race wearing seatbelts, 1999 saw a(n)
increase of 5% in total costs and a(n)
increase of 2% in average hospital costs.

In females of unknown race not wearing seatbelts, 1999 saw a(n)
decrease of 32% in total costs and a(n)
decrease of 25% in average hospital costs.

MALE												
Unk- nown 98/99 Age	1998 Seatbelt Usage = Yes			1999 Seatbelt Usage = Yes			1998 Seatbelt Usage= No			1999 Seatbelt Usage= No		
	Costs	Average Cost	Number	Costs	Average Cost	Number	Costs	Average Cost	Number	Costs	Average Cost	Number
	15-19	\$ 353,834	\$ 3,538	100	\$ 462,830	\$ 3,428	135	\$ 584,328	\$ 9,579	61	\$ 617,159	\$ 8,340
20-24	\$ 388,526	\$ 4,047	96	\$ 398,029	\$ 2,843	140	\$ 1,217,664	\$ 15,814	77	\$ 731,563	\$ 13,301	55
25-29	\$ 458,129	\$ 3,471	132	\$ 220,968	\$ 2,302	96	\$ 482,985	\$ 10,977	44	\$ 658,173	\$ 13,712	48
30-34	\$ 146,934	\$ 1,633	90	\$ 200,609	\$ 2,134	94	\$ 702,063	\$ 13,001	54	\$ 895,233	\$ 21,835	41
35-39	\$ 198,478	\$ 2,335	85	\$ 446,947	\$ 5,730	78	\$ 805,223	\$ 19,172	42	\$ 363,713	\$ 12,124	30
40-44	\$ 435,257	\$ 5,962	73	\$ 289,547	\$ 4,455	65	\$ 221,558	\$ 8,862	25	\$ 659,919	\$ 26,397	25
45-49	\$ 190,191	\$ 3,118	61	\$ 592,113	\$ 9,399	63	\$ 486,539	\$ 24,327	20	\$ 493,011	\$ 23,477	21
50-54	\$ 593,408	\$ 12,900	46	\$ 182,652	\$ 3,653	50	\$ 196,654	\$ 13,110	15	\$ 694,810	\$ 49,629	14
55-59	\$ 291,096	\$ 12,656	23	\$ 125,237	\$ 3,578	35	\$ 69,014	\$ 4,930	14	\$ 230,978	\$ 23,098	10
60-64	\$ 379,107	\$ 12,637	30	\$ 312,180	\$ 9,756	32	\$ 37,952	\$ 6,325	6	\$ 82,755	\$ 7,523	11
65-69	\$ 101,284	\$ 8,440	12	\$ 91,989	\$ 5,111	18	\$ 64,254	\$ 12,851	5	\$ 235,763	\$ 47,153	5
70-74	\$ 61,873	\$ 4,125	15	\$ 308,140	\$ 19,259	16	\$ 12,553	\$ 4,184	3	\$ 63,123	\$ 10,521	6
75-79	\$ 121,707	\$ 12,171	10	\$ 25,611	\$ 2,134	12	\$ 55,621	\$ 18,540	3	\$ 4,037	\$ 2,019	2
80-84	\$ 151,671	\$ 18,959	8	\$ 151,006	\$ 21,572	7	\$ 100,871	\$ 33,624	3	\$ 65,577	\$ 32,788	2
85+	\$ 77,399	\$ 12,900	6	\$ 86,853	\$ 12,408	7	\$ -	\$ -	0	\$ 25,168	\$ 25,168	1
Total	\$ 3,948,894	\$ 5,018	787	\$ 3,894,709	\$ 4,593	848	\$ 5,037,278	\$ 13,541	372	\$ 5,820,983	\$ 16,872	345



In males of unknown race wearing seatbelts, 1999 saw a(n)
decrease of 1% in total costs and a(n)
decrease of 8% in average hospital costs.

In males of unknown race not wearing seatbelts, 1999 saw a(n)
increase of 16% in total costs and a(n)
increase of 25% in average hospital costs.

**1998 and 1999 Summary Tables
TN Crash Outcome Data Evaluation System
Driver Hospital Costs by Seatbelt Usage, Age, Sex, and Race**

Driver Hospital Costs Of Unknown Race by Seatbelt Usage, Age and Sex												
Unk- nown 98/99 Age	Total Hospital Costs by Sex											
	1998			1999			1998			1999		
	Female	Average Cost	Number	Female	Average Cost	Number	Male	Average Cost	Number	Male	Average Cost	Number
15-19	\$ 379,846	\$ 2,516	151	\$ 636,530	\$ 3,637	175	\$ 938,161	\$ 5,827	161	\$ 1,079,988	\$ 5,167	209
20-24	\$ 763,685	\$ 4,339	176	\$ 662,916	\$ 3,202	207	\$ 1,606,190	\$ 9,284	173	\$ 1,129,592	\$ 5,793	195
25-29	\$ 491,881	\$ 3,133	157	\$ 664,738	\$ 4,261	156	\$ 941,114	\$ 5,347	176	\$ 879,141	\$ 6,105	144
30-34	\$ 302,521	\$ 2,224	136	\$ 434,227	\$ 3,419	127	\$ 848,997	\$ 5,896	144	\$ 1,095,843	\$ 8,117	135
35-39	\$ 781,180	\$ 5,963	131	\$ 290,615	\$ 2,153	135	\$ 1,003,701	\$ 7,903	127	\$ 810,660	\$ 7,506	108
40-44	\$ 325,398	\$ 2,830	115	\$ 258,568	\$ 2,486	104	\$ 656,815	\$ 6,702	98	\$ 949,466	\$ 10,550	90
45-49	\$ 218,256	\$ 2,398	91	\$ 347,286	\$ 3,902	89	\$ 676,730	\$ 8,355	81	\$ 1,085,124	\$ 12,918	84
50-54	\$ 511,699	\$ 7,525	68	\$ 198,228	\$ 3,097	64	\$ 790,062	\$ 12,952	61	\$ 877,462	\$ 13,710	64
55-59	\$ 801,079	\$ 19,539	41	\$ 166,948	\$ 4,281	39	\$ 360,111	\$ 9,733	37	\$ 356,215	\$ 7,916	45
60-64	\$ 90,434	\$ 3,014	30	\$ 80,081	\$ 2,761	29	\$ 417,059	\$ 11,585	36	\$ 394,935	\$ 9,185	43
65-69	\$ 355,483	\$ 10,772	33	\$ 136,271	\$ 7,571	18	\$ 165,538	\$ 9,738	17	\$ 327,753	\$ 14,250	23
70-74	\$ 23,566	\$ 1,571	15	\$ 126,029	\$ 8,402	15	\$ 74,426	\$ 4,135	18	\$ 371,263	\$ 16,876	22
75-79	\$ 151,265	\$ 7,563	20	\$ 261,641	\$ 15,391	17	\$ 177,328	\$ 13,641	13	\$ 29,648	\$ 2,118	14
80-84	\$ 54,665	\$ 6,833	8	\$ 303,672	\$ 43,382	7	\$ 252,541	\$ 22,958	11	\$ 216,583	\$ 24,065	9
85+	\$ 2,821	\$ 940	3	\$ 100,382	\$ 33,461	3	\$ 77,399	\$ 12,900	6	\$ 112,021	\$ 14,003	8
Total	\$ 5,253,779	\$ 4,471	1,175	\$ 4,668,132	\$ 3,939	1,185	\$ 8,986,172	\$ 7,753	1,159	\$ 9,715,692	\$ 8,144	1,193



In females of unknown races involved in crashes, 1999 saw a(n)
decrease of 11% in total costs and a(n)
decrease of 12% in average hospital costs.

In males of unknown races involved in crashes, 1999 saw a(n)
increase of 8% in total costs and a(n)
increase of 5% in average hospital costs.

Unk- nown 98/99 Age	Total Hospital Costs						Total Estimated Savings If Seatbelts Were Worn*					
	1998		Number	1999		Number	1998		Total Estimated Savings	1999		Total Estimated Savings
	Female/ Male	Average Cost		Female/ Male	Average Cost		Female	Male		Female	Male	
15-19	\$ 1,318,007	\$ 4,224	312	\$ 1,716,518	\$ 4,470	384	\$ 172,634	\$ 368,489	\$ 541,123	\$ 18,241	\$ 363,459	\$ 381,700
20-24	\$ 2,369,876	\$ 6,790	349	\$ 1,792,508	\$ 4,459	402	\$ 75,157	\$ 906,034	\$ 981,191	\$ 128,537	\$ 575,195	\$ 703,732
25-29	\$ 1,432,995	\$ 4,303	333	\$ 1,543,879	\$ 5,146	300	\$ 291,072	\$ 330,275	\$ 621,347	\$ 432,140	\$ 547,689	\$ 979,829
30-34	\$ 1,151,518	\$ 4,113	280	\$ 1,530,070	\$ 5,840	262	\$ 39,575	\$ 613,902	\$ 653,477	\$ 217,317	\$ 807,733	\$ 1,025,051
35-39	\$ 1,784,881	\$ 6,918	258	\$ 1,101,276	\$ 4,532	243	\$ 359,091	\$ 707,152	\$ 1,066,243	\$ 74,233	\$ 191,811	\$ 266,044
40-44	\$ 982,213	\$ 4,611	213	\$ 1,208,034	\$ 6,227	194	\$ 63,294	\$ 72,497	\$ 135,791	\$ 14,470	\$ 548,555	\$ 563,025
45-49	\$ 894,985	\$ 5,203	172	\$ 1,432,410	\$ 8,280	173	\$ 26,120	\$ 424,182	\$ 450,302	\$ 40,886	\$ 295,640	\$ 336,526
50-54	\$ 1,301,761	\$ 10,091	129	\$ 1,075,690	\$ 8,404	128	\$ 153,725	\$ 3,152	\$ 156,877	\$ 41,723	\$ 643,668	\$ 685,391
55-59	\$ 1,161,190	\$ 14,887	78	\$ 523,163	\$ 6,228	84	\$ 93,456	No Savings	\$ 93,456	No Savings	\$ 195,196	\$ 195,196
60-64	\$ 507,493	\$ 7,689	66	\$ 475,016	\$ 6,597	72	\$ 18,063	No Savings	\$ 18,063	No Savings	No Savings	No Savings
65-69	\$ 521,020	\$ 10,420	50	\$ 464,023	\$ 11,318	41	\$ 280,805	\$ 22,052	\$ 302,857	\$ 25,160	\$ 210,211	\$ 235,371
70-74	\$ 97,992	\$ 2,969	33	\$ 497,292	\$ 13,440	37	\$ 1,321	\$ 178	\$ 1,499	\$ 9,975	No Savings	\$ 9,975
75-79	\$ 328,593	\$ 9,957	33	\$ 291,289	\$ 9,396	31	\$ 34,504	\$ 19,109	\$ 53,612	No Savings	No Savings	No Savings
80-84	\$ 307,206	\$ 16,169	19	\$ 520,255	\$ 32,516	16	\$ 31,754	\$ 43,994	\$ 75,748	\$ 54,458	\$ 22,432	\$ 76,890
85+	\$ 80,220	\$ 8,913	9	\$ 212,403	\$ 19,309	11	\$ 2,163	No Savings	\$ 2,163	No Savings	\$ 12,760	\$ 12,760
Total	\$ 14,239,950	\$ 6,101	2,334	\$ 14,383,824	\$ 6,049	2,378	\$ 1,642,732	\$ 3,511,016	\$ 5,153,748	\$ 1,057,140	\$ 4,414,349	\$ 5,471,489



In drivers of unknown races involved in crashes, 1999 saw a(n)
increase of 1% in total costs and a(n)
decrease of 1% in average hospital costs.

Drivers of unknown races not wearing seatbelts cost the state of Tennessee an additional 5M in 1998 and 5.5M in 1999.

*Calculation is (avg cost while seatbelt = no - avg cost while seatbelt=yes) * number of spec. drivers not wearing seatbelts using non-rounded values

**1998 and 1999 Summary Tables
 TN Crash Outcome Data Evaluation System
 Driver Hospital Costs by Seatbelt Usage, Age, Sex, and Race**

Unknown 98/99	Percentage of Seatbelt Usage of Unknown Race Female Drivers Involved In Crashes By Age								
	FEMALE								
	Age	1998				1999			
		Wearing	% of Usage	Not Wearing	% Unrestrained	Wearing	% of Usage	Not Wearing	% Unrestrained
15-19	121	80%	30	20%	154	88%	21	12%	
20-24	151	86%	25	14%	175	85%	32	15%	
25-29	129	82%	28	18%	133	85%	23	15%	
30-34	115	85%	21	15%	99	78%	28	22%	
35-39	106	81%	25	19%	116	86%	19	14%	
40-44	98	85%	17	15%	89	86%	15	14%	
45-49	85	93%	6	7%	78	88%	11	12%	
50-54	59	87%	9	13%	60	94%	4	6%	
55-59	32	78%	9	22%	35	90%	4	10%	
60-64	25	83%	5	17%	26	90%	3	10%	
65-69	30	91%	3	9%	15	83%	3	17%	
70-74	13	87%	2	13%	14	93%	1	7%	
75-79	15	75%	5	25%	13	76%	4	24%	
80-84	6	75%	2	25%	6	86%	1	14%	
85+	2	67%	1	33%	3	100%	0	0%	
Total	987	84%	188	16%	1,016	86%	169	14%	

Unknown 98/99	Percentage of Seatbelt Usage of Unknown Race Male Drivers Involved In Crashes By Age								
	MALE								
	Age	1998				1999			
		Wearing	% of Usage	Not Wearing	% Unrestrained	Wearing	% of Usage	Not Wearing	% Unrestrained
15-19	100	62%	61	38%	135	65%	74	35%	
20-24	96	55%	77	45%	140	72%	55	28%	
25-29	132	75%	44	25%	96	67%	48	33%	
30-34	90	63%	54	38%	94	70%	41	30%	
35-39	85	67%	42	33%	78	72%	30	28%	
40-44	73	74%	25	26%	65	72%	25	28%	
45-49	61	75%	20	25%	63	75%	21	25%	
50-54	46	75%	15	25%	50	78%	14	22%	
55-59	23	62%	14	38%	35	78%	10	22%	
60-64	30	83%	6	17%	32	74%	11	26%	
65-69	12	71%	5	29%	18	78%	5	22%	
70-74	15	83%	3	17%	16	73%	6	27%	
75-79	10	77%	3	23%	12	86%	2	14%	
80-84	8	73%	3	27%	7	78%	2	22%	
85+	6	100%	0	0%	7	88%	1	13%	
Total	787	68%	372	32%	848	71%	345	29%	