

**“Comparing the Fatality Risks in United States Transportation  
Across Modes and Over Time”**

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**Supplemental Data Appendix**

*For data sources and notes on the data see the main paper*

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**Table 2: Passenger Fatalities per Billion Passenger Miles 2000-2009**

	<b>Fatalities</b>	<b>Billion Passenger Miles</b>	<b>Rate per Billion Passenger Miles</b>
Riding a motorcycle	41,467	195	212.57
Driving or passenger in a car or light truck	301,399	41,403	7.28
Passenger on a local ferry boat	11	3	3.17
Passenger on commuter rail and Amtrak	70	163	0.43
Passenger on urban mass transit rail (2002-2009) <sup>a</sup>	33	135	0.24
Passenger on a bus (holding more than 10 passengers – transit, intercity, school, charter)	304	2,806	0.11
Passenger on commercial aviation	474	7,290	0.07

*Notes:* <sup>a</sup> While onboard a train including assault and violent acts

**Table 3: Workplace Fatality Rate per 1,000 Employees 2009**  
*with comparison to other non-transportation industry segments in italics*

	<b>NAICS Classification</b>	<b>Total Fatalities</b>	<b>Employees (000s)</b>	<b>Fatality Rate</b>
Fishing	1141	59	6.7	8.81
<i>Agriculture</i>	<i>111/112</i>	<i>441</i>	<i>578.4</i>	<i>0.76</i>
Taxi and limousine	4853	44	71	0.62 <sup>a</sup>
Truck transportation	484	389	1,334	0.29
Water transportation	483	16	66	0.24
<i>Mining</i>	<i>21</i>	<i>99</i>	<i>689</i>	<i>0.14</i>
<i>Construction</i>	<i>23</i>	<i>834</i>	<i>6,701</i>	<i>0.12</i>
Pipeline transportation	486	4	41	0.10
Urban transit	4851	4	42	0.10
Rail transportation	482	13	215	0.06
Air transportation	481	28	478	0.06
Couriers and messengers	492	29	560	0.05
<i>Utilities</i>	<i>22</i>	<i>17</i>	<i>568</i>	<i>0.03</i>
Interurban and rural bus, school bus, charter bus, other transit and ground passenger transportation	4852/4/5/9	9	305	0.03
<i>Manufacturing</i>	<i>31-33</i>	<i>319</i>	<i>12,697</i>	<i>0.03</i>
Warehousing and Storage	493	16	662	0.02

*Notes:*     <sup>a</sup> 55% of fatalities to taxi and limousine employees are due to assaults and violent acts

**Figure 2: Highway Fatality Rates for All Motor Vehicles per 100 Million Vehicle Miles Traveled 1975-2010 and in Large Truck Involved Crashes per 100 Million Truck Miles 1975-2008**

**Figure 3: Total Highway Fatalities and Fatalities in Large Truck Involved Crashes 1975-2010**

Year	All Motor Vehicles			Large-Truck Involved		
	Fatalities	Vehicle Miles (million)	Rate per 100 million	Fatalities	Truck Miles (million)	Rate per 100 million
1975	44,525	1,327,664	3.35	4,483	81,330	5.51
1976	45,523	1,402,380	3.25	5,008	86,070	5.82
1977	47,878	1,467,027	3.26	5,723	95,021	6.02
1978	50,331	1,544,704	3.26	6,356	105,739	6.01
1979	51,093	1,529,133	3.34	6,702	109,004	6.15
1980	51,091	1,527,295	3.35	5,971	108,491	5.50
1981	49,301	1,555,308	3.17	5,806	108,702	5.34
1982	43,945	1,595,010	2.76	5,229	111,423	4.69
1983	42,589	1,652,788	2.58	5,491	116,132	4.73
1984	44,257	1,720,269	2.57	5,640	121,796	4.63
1985	43,825	1,774,826	2.47	5,734	123,504	4.64
1986	46,087	1,834,872	2.51	5,579	126,675	4.40
1987	46,390	1,921,204	2.41	5,598	133,517	4.19
1988	47,087	2,025,962	2.32	5,679	137,985	4.12
1989	45,582	2,096,487	2.17	5,490	142,749	3.85
1990	44,599	2,144,362	2.08	5,272	146,242	3.60
1991	41,508	2,172,050	1.91	4,821	149,542	3.22
1992	39,250	2,247,151	1.75	4,462	153,384	2.91
1993	40,150	2,296,378	1.75	4,856	159,888	3.04
1994	40,716	2,357,588	1.73	5,144	170,216	3.02
1995	41,817	2,422,696	1.73	4,918	178,156	2.76
1996	42,065	2,485,848	1.69	5,142	182,971	2.81
1997	42,013	2,561,695	1.64	5,398	191,477	2.82
1998	41,501	2,631,522	1.58	5,395	196,380	2.75
1999	41,717	2,691,056	1.55	5,380	202,688	2.65
2000	41,945	2,746,925	1.53	5,282	205,520	2.57
2001	42,196	2,797,287	1.51	5,111	209,032	2.45
2002	43,005	2,855,508	1.51	4,939	214,603	2.30
2003	42,884	2,890,450	1.48	5,036	217,917	2.31
2004	42,836	2,964,788	1.44	5,235	220,811	2.37
2005	43,510	2,989,430	1.46	5,240	222,523	2.35
2006	42,708	3,014,371	1.42	5,027	222,513	2.26
2007	41,259	3,032,399	1.36	4,822	227,060	2.12
2008	37,423	2,973,509	1.26	4,245	227,458	1.87
2009	33,808	2,953,501	1.14	3,380		
2010	32,788	2,966,494	1.11	3,675		

**Figure 4: Indices of Railroad Fatality Rates 1975-2010 with 1975 = 100**

Year	Trespassers				Employees on Duty			
	Fatalities	Population (million)	Rate per 100 million	1975 = 100	Fatalities	Employee Hours (million)	Rate per billion	1975 = 100
1975	432	215	200	100	110	1,028	107.0	100
1976	376	218	173	86	100	1,046	95.6	89
1977	397	220	181	90	114	1,053	108.3	101
1978	403	222	181	91	122	1,086	112.3	105
1979	421	225	187	94	101	1,077	93.8	88
1980	457	227	201	100	97	1,011	95.9	90
1981	466	229	203	101	65	949	68.5	64
1982	414	232	179	89	78	801	97.4	91
1983	400	234	171	85	61	730	83.6	78
1984	499	236	212	106	59	743	79.4	74
1985	391	238	164	82	46	697	66.0	62
1986	398	240	166	83	57	644	88.5	83
1987	413	242	170	85	55	619	88.9	83
1988	448	244	183	91	43	608	70.7	66
1989	441	247	179	89	49	578	84.7	79
1990	543	250	218	108	40	554	72.3	68
1991	524	253	207	103	35	531	66.0	62
1992	533	257	208	104	34	517	65.8	61
1993	523	260	201	100	47	520	90.4	85
1994	529	263	201	100	31	519	59.8	56
1995	494	266	186	93	34	510	66.7	62
1996	471	269	175	87	33	505	65.4	61
1997	533	273	195	98	37	504	73.4	69
1998	536	276	194	97	27	515	52.4	49
1999	479	279	172	86	31	510	60.8	57
2000	463	282	164	82	24	491	48.9	46
2001	511	285	179	89	22	475	46.3	43
2002	540	288	188	94	20	454	44.0	41
2003	498	290	171	86	19	451	42.1	39
2004	472	293	161	80	25	458	54.5	51
2005	458	296	155	77	25	478	52.3	49
2006	511	299	171	85	16	486	32.9	31
2007	470	302	156	78	17	483	35.2	33
2008	457	304	150	75	26	478	54.4	51
2009	417	307	136	68	16	430	37.2	35
2010	451	309	146	73	20	437	45.8	43

**Figure 4: Indices of Railroad Fatality Rates 1975-2010 with 1975 = 100 (Continued)**

Year	Passengers				Crossing Users			
	Fatalities	Passenger Miles (million)	11-Year Moving Average per billion	1975 = 100	Fatalities	Vehicles Registered (million)	Rate per 10 million	1975 = 100
1970	8	10,785						
1971	16	8,862						
1972	47	8,571						
1973	6	9,308						
1974	7	10,349						
1975	8	9,947	1.12	100	927	138	67.2	100
1976	5	10,584	1.08	97	1,093	143	76.2	113
1977	4	10,293	1.01	90	929	147	63.2	94
1978	13	10,222	0.61	55	1,058	153	69.0	103
1979	6	11,200	0.66	59	874	157	55.6	83
1980	4	10,995	0.62	55	832	161	51.5	77
1981	4	10,600	0.58	52	727	164	44.3	66
1982	9	10,200	0.66	59	603	165	36.5	54
1983	4	10,300	0.63	57	574	169	33.9	50
1984	12	10,800	0.58	52	644	172	37.5	56
1985	3	11,300	0.54	49	580	177	32.7	49
1986	4	11,700	0.56	50	614	181	33.9	50
1987	16	12,200	0.54	48	622	184	33.8	50
1988	2	12,600	0.88	79	689	189	36.5	54
1989	8	13,100	0.87	78	797	192	41.6	62
1990	3	13,200	0.77	69	693	193	35.9	53
1991	8	14,003	0.82	73	607	192	31.6	47
1992	3	13,764	0.82	73	576	194	29.6	44
1993	58	13,776	0.72	65	623	198	31.5	47
1994	5	14,045	0.79	71	614	202	30.4	45
1995	0	13,719	0.75	67	576	205	28.1	42
1996	12	13,587	0.74	66	487	210	23.2	34
1997	6	14,134	0.73	65	461	212	21.8	32
1998	4	14,596	0.72	64	425	215	19.7	29
1999	14	14,857	0.37	34	388	220	17.6	26
2000	4	16,142	0.44	39	422	226	18.7	28
2001	3	15,657	0.44	40	420	235	17.8	27
2002	7	15,167	0.39	35	355	235	15.1	23
2003	3	15,562	0.49	44	331	237	14.0	21
2004	3	15,395	0.47	42	367	243	15.1	22
2005	16	15,751	0.40	36	356	247	14.4	21
2006	2	16,212			363	251	14.5	22

2007	5	17,202			334	254	13.1	20
2008	24	18,168			287	256	11.2	17
2009	3	17,490			245	254	9.6	14
2010	3	18,098			260	250	10.4	15

**Figure 5: Indices of Railroad Safety Rates per Train Mile 1975-2010 with 1975 = 100 and the Ratio of Yard Miles to Total Train Miles**

Year	Trespassers				Crossing Users			
	Fatalities	Train Miles (million)	Rate per billion	1975 = 100	Fatalities	Train Miles (million)	Rate per billion	1975 = 100
1975	432	755	572.2	100	927	755	1,227.8	100
1976	376	775	485.3	85	1,093	775	1,410.8	115
1977	397	750	529.3	93	929	750	1,238.6	101
1978	403	752	535.9	94	1,058	752	1,407.0	115
1979	421	763	551.5	96	874	763	1,144.8	93
1980	457	718	636.8	111	832	718	1,159.3	94
1981	466	676	689.1	120	727	676	1,075.1	88
1982	414	573	722.0	126	603	573	1,051.7	86
1983	400	558	716.6	125	574	558	1,028.3	84
1984	499	593	842.1	147	644	593	1,086.7	89
1985	391	571	684.9	120	580	571	1,015.9	83
1986	398	567	701.8	123	614	567	1,082.7	88
1987	413	581	710.5	124	622	581	1,070.0	87
1988	448	609	735.2	129	689	609	1,130.7	92
1989	441	621	710.6	124	797	621	1,284.2	105
1990	543	609	891.9	156	693	609	1,138.2	93
1991	524	577	908.4	159	607	577	1,052.3	86
1992	533	594	897.8	157	576	594	970.2	79
1993	523	614	851.8	149	623	614	1,014.7	83
1994	529	655	807.5	141	614	655	937.3	76
1995	494	670	737.3	129	576	670	859.7	70
1996	471	671	702.0	123	487	671	725.9	59
1997	533	677	787.6	138	461	677	681.2	55
1998	536	683	784.9	137	425	683	622.4	51
1999	479	712	672.3	118	388	712	544.6	44
2000	463	723	640.5	112	422	723	583.8	48
2001	511	712	718.2	126	420	712	590.3	48
2002	540	729	741.1	130	355	729	487.2	40
2003	498	743	670.0	117	331	743	445.3	36
2004	472	770	612.9	107	367	770	476.5	39
2005	458	789	580.6	101	356	789	451.3	37
2006	511	809	631.6	110	363	809	448.6	37
2007	470	789	595.7	104	334	789	423.4	34
2008	457	770	593.8	104	287	770	372.9	30
2009	417	664	628.4	110	245	664	369.2	30
2010	451	704	641.0	112	260	704	369.5	30



**Figure 5: Indices of Railroad Safety Rates per Train Mile 1975-2010 with 1975 = 100 and the Ratio of Yard Miles to Total Train Miles (Continued)**

Year	Collisions and Derailments				Yard Miles to Train Miles			
	Count	Train Miles (million)	Rate	1975 = 100	Yard Miles (millions)	Train Miles (million)	Ratio	1975 = 100
1975	7,330	755	9.71	100	220	755	0.29	100
1976	9,302	775	12.01	124	217	775	0.28	96
1977	9,435	750	12.58	130	219	750	0.29	100
1978	10,239	752	13.62	140	214	752	0.29	98
1979	8,907	763	11.67	120	208	763	0.27	93
1980	7,643	718	10.65	110	182	718	0.25	87
1981	5,142	676	7.60	78	165	676	0.24	84
1982	3,955	573	6.90	71	133	573	0.23	80
1983	3,422	558	6.13	63	122	558	0.22	75
1984	3,334	593	5.63	58	126	593	0.21	73
1985	2,861	571	5.01	52	117	571	0.21	70
1986	2,326	567	4.10	42	108	567	0.19	65
1987	2,146	581	3.69	38	102	581	0.18	60
1988	2,369	609	3.89	40	105	609	0.17	59
1989	2,434	621	3.92	40	104	621	0.17	58
1990	2,461	609	4.04	42	96	609	0.16	54
1991	2,197	577	3.81	39	89	577	0.15	53
1992	1,941	594	3.27	34	84	594	0.14	49
1993	2,135	614	3.48	36	87	614	0.14	49
1994	2,065	655	3.15	32	90	655	0.14	47
1995	1,977	670	2.95	30	90	670	0.13	46
1996	2,021	671	3.01	31	88	671	0.13	45
1997	1,943	677	2.87	30	85	677	0.13	43
1998	1,925	683	2.82	29	84	683	0.12	42
1999	2,166	712	3.04	31	87	712	0.12	42
2000	2,350	723	3.25	33	89	723	0.12	42
2001	2,454	712	3.45	36	86	712	0.12	41
2002	2,181	729	2.99	31	81	729	0.11	38
2003	2,331	743	3.14	32	82	743	0.11	38
2004	2,669	770	3.47	36	84	770	0.11	37
2005	2,575	789	3.26	34	88	789	0.11	38
2006	2,387	809	2.95	30	89	809	0.11	38
2007	2,126	789	2.69	28	104	789	0.13	45
2008	1,976	770	2.57	26	102	770	0.13	45
2009	1,489	664	2.24	23	81	664	0.12	42
2010	1,427	704	2.03	21	88	704	0.13	43

**Figure 6: Indices of Maritime Fatality Rates 1975-2010 with 1975 = 100. Commercial Maritime Fatalities per Cargo Ton Mile and Recreational Fatalities per Registered Vessel**

Year	Commercial Maritime				Recreational Boating			
	Fatalities	Ton-Miles (million)	Rate per 100 billion	1975 = 100	Fatalities	Vessels Registered (000s)	Rate per million	1975 = 100
1975	573	639,450.7	89.6	100	1,466	7,303	201	100
1976	550	677,181.0	81.2	91	1,264	7,671	165	82
1977	462	692,527.4	66.7	74	1,312	7,976	165	82
1978	526	928,297.7	56.7	63	1,321	8,036	164	82
1979	516	931,864.4	55.4	62	1,400	8,279	169	84
1980	487	1,016,085.2	47.9	53	1,360	8,578	159	79
1981	317	1,023,636.5	31.0	35	1,208	8,905	136	68
1982	387	964,896.9	40.1	45	1,178	9,074	130	65
1983	451	989,161.6	45.6	51	1,241	9,165	135	67
1984	231	966,911.2	23.9	27	1,063	9,420	113	56
1985	261	964,911.2	27.0	30	1,116	9,589	116	58
1986	252	944,910.5	26.7	30	1,066	9,876	108	54
1987	240	968,403.7	24.8	28	1,036	9,964	104	52
1988	209	970,685.0	21.5	24	946	10,363	91	45
1989	211	911,232.2	23.2	26	896	10,777	83	41
1990	186	932,151.4	20.0	22	865	10,996	79	39
1991	86	938,671.3	9.2	10	924	11,068	83	42
1992	186	949,344.7	19.6	22	816	11,132	73	37
1993	184	882,605.8	20.8	23	800	11,283	71	35
1994	166	909,405.0	18.3	20	784	11,430	69	34
1995	145	914,362.5	15.9	18	829	11,735	71	35
1996	141	870,193.4	16.2	18	709	11,878	60	30
1997	132	813,800.1	16.2	18	821	12,313	67	33
1998	164	780,449.8	21.0	23	815	12,566	65	32
1999	132	764,447.5	17.3	19	734	12,738	58	29
2000	122	763,421.1	16.0	18	701	12,782	55	27
2001	102	736,930.0	13.8	15	681	12,876	53	26
2002	109	721,421.7	15.1	17	750	12,854	58	29
2003	117	714,440.4	16.4	18	703	12,795	55	27
2004	156	743,536.4	21.0	23	676	12,781	53	26
2005	152	705,176.0	21.6	24	697	12,942	54	27
2006	152	681,988.0	22.3	25	710	12,746	56	28
2007	135	670,030.0	20.1	22	685	12,876	53	27
2008	136	633,823.9	21.5	24	709	12,693	56	28
2009	107	571,299.3	18.7	21	736	12,722	58	29
2010	84	605,604.8	13.9	15	672	12,439	54	27

**Figure 7: Aviation Fatal Accidents per Million Departures 1975-2010 with 5-Year Moving Average for Part 121 Scheduled Service**

<b>Year</b>	<b>Fatal Accidents</b>	<b>Departures (000s)</b>	<b>Rate per million</b>	<b>5-Year Moving Average Rate per million</b>
1973	6	5,102		
1974	7	4,694		
1975	2	4,704	0.425	0.8241
1976	2	4,833	0.414	0.7857
1977	3	4,937	0.608	0.6429
1978	5	5,015	0.997	0.5437
1979	4	5,399	0.741	0.6075
1980	0	5,567	0.000	0.6023
1981	4	5,420	0.738	0.5601
1982	3	5,162	0.581	0.4436
1983	4	5,235	0.764	0.5807
1984	1	5,666	0.176	0.4473
1985	4	6,069	0.659	0.4168
1986	1	6,928	0.144	0.3303
1987	3	7,293	0.411	0.5157
1988	2	7,348	0.272	0.5460
1989	8	7,267	1.101	0.6182
1990	6	7,796	0.770	0.6412
1991	4	7,504	0.533	0.6084
1992	4	7,515	0.532	0.4953
1993	1	7,722	0.130	0.3620
1994	4	7,825	0.511	0.3332
1995	1	8,106	0.123	0.2897
1996	3	7,851	0.382	0.2712
1997	3	9,925	0.302	0.2115
1998	1	10,535	0.095	0.2190
1999	2	10,861	0.184	0.1887
2000	2	11,054	0.181	0.1312
2001	2	10,633	0.188	0.1508
2002	0	10,276	0.000	0.1321
2003	2	10,228	0.196	0.1514
2004	1	10,783	0.093	0.1514
2005	3	10,910	0.275	0.1501
2006	2	10,627	0.188	0.1125
2007	0	10,734	0.000	0.1152
2008	0	10,271	0.000	0.0593
2009	1	9,542	0.105	
2010	0	9,413	0.000	

**Figure 8: Aviation Passenger Fatalities per Million Passenger Enplanements 1975-2010 with 5-Year Moving Average for Part 121 Scheduled Service**

<b>Year</b>	<b>Passenger Fatalities</b>	<b>Passenger Enplanements (000s)</b>	<b>Rate per million</b>	<b>5-Year Moving Average Rate per million</b>
1973	197	202,207		
1974	420	207,449		
1975	113	205,060	0.551	0.7697
1976	36	223,313	0.161	0.6725
1977	64	240,326	0.266	0.5373
1978	141	274,718	0.513	0.4172
1979	323	316,683	1.020	0.3740
1980	0	296,903	0.000	0.4576
1981	1	285,720	0.003	0.3551
1982	209	299,000	0.699	0.1405
1983	8	325,000	0.025	0.2379
1984	1	352,000	0.003	0.2186
1985	174	390,000	0.446	0.1824
1986	0	427,000	0.000	0.1720
1987	173	458,000	0.378	0.2177
1988	12	466,000	0.026	0.1368
1989	122	468,000	0.261	0.1515
1990	8	483,000	0.017	0.0874
1991	40	468,000	0.085	0.0811
1992	26	494,000	0.053	0.1210
1993	0	505,000	0.000	0.1733
1994	228	545,000	0.418	0.2688
1995	152	561,000	0.271	0.2459
1996	319	592,000	0.539	0.2340
1997	2	648,000	0.003	0.1545
1998	0	650,000	0.000	0.1267
1999	10	676,000	0.015	0.1047
2000	83	701,000	0.118	0.1050
2001	251	629,000	0.399	0.1107
2002	0	619,000	0.000	0.1098
2003	19	654,000	0.029	0.0891
2004	11	711,000	0.015	0.0273
2005	18	743,000	0.024	0.0262
2006	47	747,000	0.063	0.0205
2007	0	770,000	0.000	0.0296
2008	0	744,000	0.000	0.0249
2009	45	706,000	0.064	
2010	0	722,000	0.000	

**Figure 9: Aviation Fatal Accidents per Million Departures 1975-2010 with 5-Year Moving Average for Part 135 Scheduled Service**

<b>Year</b>	<b>Fatal Accidents</b>	<b>Departures (000s)</b>	<b>Rate per million</b>	<b>5-Year Moving Average Rate per million</b>
1975	12	1,456	8.242	
1976	9	1,532	5.875	
1977	9	1,741	5.169	6.8533
1978	14	1,996	7.014	6.1590
1979	15	1,884	7.962	5.9569
1980	8	1,777	4.502	5.3577
1981	9	1,835	4.905	3.9590
1982	5	2,027	2.467	2.9124
1983	2	2,328	0.859	2.6251
1984	7	2,677	2.615	1.8561
1985	7	2,561	2.733	2.1253
1986	2	2,799	0.715	2.0355
1987	10	2,810	3.559	1.8709
1988	2	2,909	0.688	1.5176
1989	5	2,819	1.774	1.9286
1990	3	3,160	0.949	1.6866
1991	8	2,820	2.836	1.7402
1992	7	3,115	2.247	1.5358
1993	4	3,602	1.111	1.4689
1994	3	3,581	0.838	0.9980
1995	2	3,220	0.621	0.9796
1996	1	3,515	0.284	0.8858
1997	5	1,394	3.587	1.3672
1998	0	707	0.000	1.7411
1999	5	672	7.437	3.3036
2000	1	604	1.657	2.6191
2001	2	558	3.584	3.0825
2002	0	513	0.000	1.4360
2003	1	572	1.747	1.1074
2004	0	538	0.000	0.7354
2005	0	527	0.000	0.7146
2006	1	568	1.759	0.3568
2007	0	593	0.000	0.3518
2008	0	576	0.000	0.3448
2009	0	578	0.000	
2010	0	585	0.000	

**Figure 10: Indices of General Aviation Fatalities per Aircraft Hour and per Capita 1975-2010 with 1975 = 100**

Year	Rate per Aircraft Hour				Rate per Capita			
	Fatalities	Aircraft Hours (000s)	Rate per million	1975 = 100	Fatalities	Population (million)	Rate	1975 = 100
1975	1,258	26,540	47.4	100	1,258	215	5.8	100
1976	1,226	28,085	43.7	92	1,226	218	5.6	97
1977	1,275	29,101	43.8	92	1,275	220	5.8	99
1978	1,554	32,150	48.3	102	1,554	222	7.0	120
1979	1,221	35,610	34.3	72	1,221	225	5.4	93
1980	1,238	33,546	36.9	78	1,238	227	5.4	93
1981	1,282	33,916	37.8	80	1,282	229	5.6	96
1982	1,187	29,640	40.0	84	1,187	232	5.1	88
1983	1,059	28,673	36.9	78	1,059	234	4.5	78
1984	1,028	29,099	35.3	75	1,028	236	4.4	75
1985	945	28,322	33.4	70	945	238	4.0	68
1986	960	27,073	35.5	75	960	240	4.0	68
1987	800	26,972	29.7	63	800	242	3.3	57
1988	773	27,446	28.2	59	773	244	3.2	54
1989	749	27,920	26.8	57	749	247	3.0	52
1990	735	28,510	25.8	54	735	250	2.9	50
1991	795	27,678	28.7	61	795	253	3.1	54
1992	866	24,780	34.9	74	866	257	3.4	58
1993	740	22,796	32.5	68	740	260	2.8	49
1994	728	22,235	32.7	69	728	263	2.8	47
1995	729	24,906	29.3	62	729	266	2.7	47
1996	636	24,881	25.6	54	636	269	2.4	40
1997	629	25,591	24.6	52	629	273	2.3	40
1998	621	25,518	24.3	51	621	276	2.3	39
1999	618	29,246	21.1	45	618	279	2.2	38
2000	589	27,838	21.2	45	589	282	2.1	36
2001	561	25,431	22.1	47	561	285	2.0	34
2002	575	25,545	22.5	47	575	288	2.0	34
2003	630	25,998	24.2	51	630	290	2.2	37
2004	559	24,888	22.5	47	559	293	1.9	33
2005	558	23,168	24.1	51	558	296	1.9	32
2006	551	23,963	23.0	49	551	299	1.8	32
2007	494	23,819	20.7	44	494	302	1.6	28
2008	494	22,805	21.7	46	494	304	1.6	28
2009	478	20,862	22.9	48	478	307	1.6	27
2010	450	20,900	21.5	45	450	309	1.5	25

**Figure 11: Indices of Time Trends in per Capita Fatality Rates 1975-2010**

Year	Highways (excluding rail crossings)				Railroads			
	Fatalities	Population (million)	Rate	1975 = 100	Fatalities	Population (million)	Rate	1975 = 100
1975	43,598	215	202.3	100	1,560	215	7.2	100
1976	44,430	218	204.2	101	1,684	218	7.7	107
1977	46,949	220	213.6	106	1,530	220	7.0	96
1978	49,273	222	221.9	110	1,646	222	7.4	102
1979	50,219	225	223.6	111	1,429	225	6.4	88
1980	50,259	227	221.2	109	1,417	227	6.2	86
1981	48,574	229	211.7	105	1,284	229	5.6	77
1982	43,342	232	187.1	92	1,119	232	4.8	67
1983	42,015	234	179.7	89	1,073	234	4.6	63
1984	43,613	236	184.9	91	1,247	236	5.3	73
1985	43,245	238	181.8	90	1,036	238	4.4	60
1986	45,473	240	189.4	94	1,091	240	4.5	63
1987	45,768	242	188.9	93	1,125	242	4.6	64
1988	46,398	244	189.8	94	1,199	244	4.9	68
1989	44,785	247	181.4	90	1,324	247	5.4	74
1990	43,906	250	175.9	87	1,297	250	5.2	72
1991	40,901	253	161.7	80	1,194	253	4.7	65
1992	38,674	257	150.8	75	1,170	257	4.6	63
1993	39,527	260	152.1	75	1,279	260	4.9	68
1994	40,102	263	152.4	75	1,226	263	4.7	64
1995	41,241	266	154.9	77	1,146	266	4.3	59
1996	41,578	269	154.3	76	1,039	269	3.9	53
1997	41,552	273	152.4	75	1,062	273	3.9	54
1998	41,076	276	148.9	74	1,008	276	3.7	50
1999	41,329	279	148.1	73	932	279	3.3	46
2000	41,523	282	147.1	73	937	282	3.3	46
2001	41,776	285	146.5	72	971	285	3.4	47
2002	42,650	288	148.1	73	951	288	3.3	46
2003	42,553	290	146.5	72	865	290	3.0	41
2004	42,469	293	144.9	72	891	293	3.0	42
2005	43,154	296	145.9	72	884	296	3.0	41
2006	42,345	299	141.8	70	903	299	3.0	42
2007	40,925	302	135.7	67	845	302	2.8	39
2008	37,136	304	122.0	60	804	304	2.6	36
2009	33,563	307	109.3	54	695	307	2.3	31
2010	32,528	309	105.2	52	746	309	2.4	33

**Figure 11: Indices of Time Trends in per Capita Fatality Rates 1975-2010 (Continued)**

Year	Maritime				Aviation			
	Fatalities	Population (million)	Rate	1975 = 100	Fatalities	Population (million)	Rate	1975 = 100
1975	2,039	215	9.46	100	1,479	215	6.9	100
1976	1,814	218	8.34	88	1,391	218	6.4	93
1977	1,774	220	8.07	85	1,832	220	8.3	121
1978	1,847	222	8.32	88	1,917	222	8.6	126
1979	1,916	225	8.53	90	1,718	225	7.7	111
1980	1,847	227	8.13	86	1,381	227	6.1	89
1981	1,525	229	6.65	70	1,414	229	6.2	90
1982	1,565	232	6.76	71	1,507	232	6.5	95
1983	1,692	234	7.24	76	1,147	234	4.9	71
1984	1,294	236	5.49	58	1,132	236	4.8	70
1985	1,377	238	5.79	61	1,584	238	6.7	97
1986	1,318	240	5.49	58	1,033	240	4.3	63
1987	1,276	242	5.27	56	1,113	242	4.6	67
1988	1,155	244	4.72	50	868	244	3.6	52
1989	1,107	247	4.49	47	1,141	247	4.6	67
1990	1,051	250	4.21	44	831	250	3.3	48
1991	1,010	253	3.99	42	1,036	253	4.1	60
1992	1,002	257	3.91	41	992	257	3.9	56
1993	984	260	3.79	40	807	260	3.1	45
1994	950	263	3.61	38	1,055	263	4.0	58
1995	974	266	3.66	39	958	266	3.6	52
1996	850	269	3.16	33	1,093	269	4.1	59
1997	953	273	3.50	37	722	273	2.6	39
1998	979	276	3.55	38	667	276	2.4	35
1999	866	279	3.10	33	680	279	2.4	36
2000	823	282	2.92	31	757	282	2.7	39
2001	783	285	2.75	29	900	285	3.2	46
2002	859	288	2.98	32	610	288	2.1	31
2003	820	290	2.82	30	696	290	2.4	35
2004	832	293	2.84	30	637	293	2.2	32
2005	849	296	2.87	30	598	296	2.0	29
2006	862	299	2.89	31	619	299	2.1	30
2007	820	302	2.72	29	538	302	1.8	26
2008	845	304	2.78	29	566	304	1.9	27
2009	843	307	2.75	29	547	307	1.8	26
2010	756	309	2.44	26	469	309	1.5	22