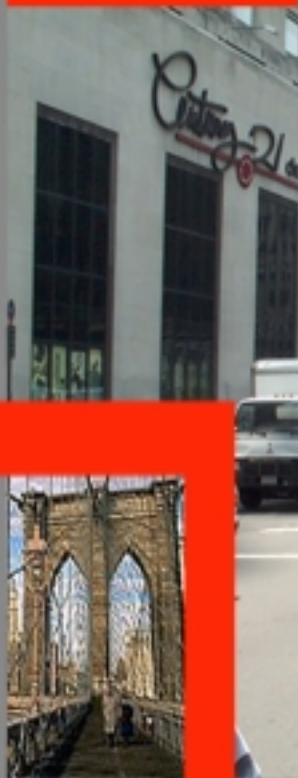


TRANSPORTATION SAFETY

REPORT

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This New York Metropolitan Transportation Council report was compiled and written by **Leokadia Glogowski** under the supervision of **Howard J. Mann**. This report was prepared using funding of the Federal Highway and Federal Transit administrations of the United States Department of Transportation, and the New York State Department of Transportation. The views and opinions of the author do not necessarily reflect those of any agency.

NYMTC appreciates the cooperation of all the agencies that have provided information for the Regional Transportation Statistical Report. Through their submissions, this report continues to be a useful source of transportation and demographic statistical information on the NYMTC Region and environs.

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TABLE B

NYMTC REGIONAL RECAPITULATION

	1996	1997	1998	1996/97 (%)	1997/98 (%)
MOTOR VEHICLE CRASHES					
TOTAL NUMBER OF MOTOR VEHICLE CRASHES	169,808	173,168	194,074	2.0%	12.1%
CRASHES RESULTING IN FATALITY	760	846	768	11.3%	-9.2%
CRASHES RESULTING IN INJURY	130,065	128,401	130,722	-1.3%	1.8%
CRASHES RESULTING IN PROPERTY DAMAGE	38,983	43,921	62,584	12.7%	42.5%
CRASHES BY CONTRIBUTING HUMAN FACTORS	140,242	145,668	167,083	3.9%	14.7%
CRASHES BY CONTRIBUTING VEHICULAR FACTORS	8,908	8,517	8,758	-4.4%	2.8%
CRASHES BY CONTRIBUTING ENVIRONMENTAL FACTORS	30,604	25,378	28,300	-17.1%	11.5%
VEHICLES INVOLVED IN ALL TYPE OF CRASHES	321,743	328,750	370,158	2.2%	12.6%
VEHICLES INVOLVED IN CRASHES RESULTING IN FATALITY	1,151	1,273	1,162	10.6%	-8.7%
VEHICLES INVOLVED IN CRASHES RESULTING IN INJURY	244,470	241,922	248,146	-1.0%	2.6%
VEHICLES INVOLVED IN CRASHES RESULTING IN PROPERTY DAMAGE	76,122	85,555	120,850	12.4%	41.3%
MOTOR VEHICLE CRASHES INVOLVING MALE DRIVERS	197,348	199,657	221,927	1.2%	11.2%
MOTOR VEHICLE CRASHES INVOLVING FEMALE DRIVERS	92,763	97,316	111,416	4.9%	14.5%
VEHICULAR/PEDESTRIAN CRASHES AT INTERSECTION	10,756	10,592	10,498	-1.5%	-0.9%
VEHICULAR/PEDESTRIAN CRASHES NOT AT INTERSECTION	6,163	5,982	5,952	-2.9%	-0.5%
PEDESTRIAN FATALITIES IN VEHICULAR/PEDESTRIAN CRASHES	280	304	283	8.6%	-6.9%
TOTAL VEHICULAR/BICYCLE CRASHES	6,955	7,094	6,646	2.0%	-6.3%
BICYCLIST FATALITIES IN VEHICULAR/BICYCLE CRASHES	29	31	34	6.9%	9.7%
TRANSIT ACCIDENTS					
TRANSIT ACCIDENTS					
TOTAL	104	84	97	-19.2%	15.5%
FATALITIES	18	12	10	-33.3%	-16.7%
INJURIES	379	328	468	-13.5%	42.7%
RATIO PER MILLION RIDERS	0.059	0.046	0.049	-	-
RATIO PER MILLION VEHICLE MILES TRAVELED	0.203	0.160	0.190	-	-
BUS TRANSIT ACCIDENTS					
TOTAL	53	46	65	-13.2%	41.3%
FATALITIES	6	5	4	-16.7%	-20.0%
INJURIES	302	227	455	-24.8%	100.4%
RATIO PER MILLION RIDERS	0.103	0.081	0.101	-	-
RATIO PER MILLION VEHICLE MILES TRAVELED	0.502	0.429	0.648	-	-
RAIL RAPID TRANSIT ACCIDENTS					
TOTAL	18	10	11	-44.4%	10.0%
FATALITIES	3	3	4	0.0%	33.3%
INJURIES	62	98	7	58.1%	-92.9%
RATIO PER MILLION RIDERS	0.016	0.009	0.009	-	-
RATIO PER MILLION VEHICLE MILES TRAVELED	0.058	0.031	0.035	-	-
SUBURBAN RAIL ACCIDENTS					
TOTAL	33	28	21	-15.2%	-25.0%
FATALITIES	9	4	2	-55.6%	-50.0%
INJURIES	15	3	6	-80.0%	100.0%
RATIO PER MILLION RIDERS	0.243	0.202	0.145	-	-
RATIO PER MILLION VEHICLE MILES TRAVELED	0.342	0.276	0.203	-	-
Source: New York State Department of Motor Vehicles					
New York State Public Transportation Safety Board					

TABLE A

NEW YORK METROPOLITAN REGION CATEGORICAL RANKINGS

1998 MOTOR VEHICLE CRASH DATA

MOTOR VEHICLE CRASHES Total Number			MOTOR VEHICLE CRASHES Resulting in Fatality		MOTOR VEHICLE CRASHES Resulting in Injury		MOTOR VEHICLE CRASHES Resulting in Property Damage		MOTOR VEHICLE CRASHES by Contributing Human Factors		MOTOR VEHICLE CRASHES by Contributing Vehicular Factors						
1	Nas s au	33,100	1	Suffolk	162	1	Kings	26,721	1	Nas s au	29,918	1	Kings	2,185			
2	Kings	30,082	2	Kings	115	2	Queens	23,160	2	Suffolk	28,103	2	Queens	1,610			
3	Suffolk	29,642	3	Queens	112	3	Nas s au	16,933	3	Wes tches ter	27,468	3	New Y ork	1,084			
4	Queens	28,274	4	Nas s au	101	4	New Y ork	15,243	4	Queens	22,415	4	Suffolk	815			
5	New Y ork	18,176	5	New Y ork	59	5	Suffolk	14,974	5	Orange	16,875	5	Bronx	804			
6	Wes tches ter	16,314	6	Wes tches ter	52	6	Bronx	11,071	6	Kings	10,982	6	Nas s au	738			
7	Bronx	13,272	7	Bronx	49	7	Wes tches ter	8,647	7	Dutches s	10,089	7	Wes tches ter	553			
8	Orange	6,866	8	Orange	31	8	Richmond	4,204	8	New Y ork	6,008	8	Orange	278			
9	Dutches s	5,815	9	Dutches s	27	9	Orange	3,364	9	Rockland	4,793	9	Richmond	231			
10	Richmond	5,318	10	Rockland	26	10	Rockland	2,849	10	Bronx	4,532	10	Rockland	194			
11	Rockland	5,279	11	Richmond	22	11	Dutches s	2,646	11	Richmond	4,295	11	Dutches s	190			
12	Putnam	1,936	12	Putnam	12	12	Putnam	910	12	Putnam	1,605	12	Putnam	76			
T otal		194,074	T otal		768	T otal		130,722	T otal		62,584	T otal		167,083	T otal		8,758
CRASHES BY CONTRIBUTING Environmental Factors			VEHICLES INVOLVED in All Type of Crashes		VEHICLES INVOLVED in Crashes Resulting in Fatality		VEHICLES INVOLVED in Crashes Resulting in Injury		VEHICLES INVOLVED IN CRASHES Resulting in Prop. Damage		MALE DRIVERS Involved in Motor vehicle crashes						
1	Suffolk	5,235	1	Nas s au	66,224	1	Suffolk	263	1	Kings	50,557	1	Nas s au	32,162	1	Kings	38,247
2	Nas s au	5,127	2	Suffolk	57,818	2	Queens	177	2	Queens	45,178	2	Suffolk	28,389	2	Nas s au	35,389
3	Kings	3,045	3	Kings	57,498	3	Kings	165	3	Nas s au	33,906	3	Wes tches ter	13,901	3	Queens	35,380
4	Queens	2,955	4	Queens	55,673	4	Nas s au	156	4	Suffolk	29,166	4	Queens	10,318	4	Suffolk	31,093
5	Wes tches ter	2,741	5	New Y ork	32,442	5	Bronx	81	5	New Y ork	26,468	5	Kings	6,776	5	New Y ork	23,601
6	Orange	2,102	6	Wes tches ter	30,266	6	New Y ork	74	6	Bronx	20,535	6	New Y ork	5,900	6	Bronx	16,388
7	Dutches s	1,784	7	Bronx	25,044	7	Wes tches ter	67	7	Wes tches ter	16,298	7	Orange	5,658	7	Wes tches ter	16,323
8	Bronx	1,484	8	Orange	11,696	8	Orange	50	8	Richmond	8,162	8	Dutches s	4,948	8	Orange	6,562
9	New Y ork	1,410	9	Richmond	10,416	9	Rockland	40	9	Orange	5,988	9	Rockland	4,524	9	Richmond	5,913
10	Rockland	1,014	10	Rockland	10,089	10	Dutches s	38	10	Rockland	5,525	10	Bronx	4,428	10	Rockland	5,779
11	Richmond	788	11	Dutches s	9,771	11	Richmond	32	11	Dutches s	4,785	11	Richmond	2,222	11	Dutches s	5,377
12	Putnam	615	12	Putnam	3,221	12	Putnam	19	12	Putnam	1,578	12	Putnam	1,624	12	Putnam	1,875
T total		28,300	T total		370,158	T total		1,162	T total		248,146	T total		120,850	T total		221,927
FEMALE DRIVERS Involved in Motor vehicle crashes			VEHICULAR/PEDESTRIAN Crashes at Intersection		VEHICULAR/PEDESTRIAN Crashes not at Intersection		TOTAL PEDESTRIAN Fatalities		VEHICULAR/BICYCLE Crashes		TOTAL BICYCLIST Fatalities						
1	Nas s au	25,329	1	Kings	2,939	1	Kings	1,458	1	Kings	70	1	Kings	1,741	1	Suffolk	10
2	Suffolk	22,210	2	New Y ork	2,872	2	New Y ork	1,227	2	Queens	48	2	New Y ork	1,476	2	Bronx	6
3	Queens	13,658	3	Queens	1,877	3	Queens	983	3	Suffolk	43	3	Queens	949	3	Queens	5
4	Kings	11,691	4	Bronx	1,296	4	Bronx	744	4	New Y ork	42	4	Nas s au	645	4	Kings	4
5	Wes tches ter	11,409	5	Nas s au	554	5	Nas s au	462	5	Nas s au	34	5	Suffolk	627	5	New Y ork	3
6	Bronx	5,495	6	Wes tches ter	367	6	Wes tches ter	398	6	Bronx	20	6	Bronx	615	6	Dutches s	3
7	New Y ork	4,710	7	Suffolk	293	7	Suffolk	317	7	Wes tches ter	19	7	Wes tches ter	234	7	Nas s au	2
8	Orange	4,506	8	Richmond	165	8	Richmond	149	8	Rockland	3	8	Richmond	136	8	Orange	1
9	Dutches s	3,888	9	Rockland	48	9	Rockland	79	9	Orange	2	9	Orange	90	9	Wes tches ter	0
10	Rockland	3,716	10	Dutches s	42	10	Orange	64	10	Dutches s	1	10	Rockland	68	10	Richmond	0
11	Richmond	3,585	11	Orange	41	11	Dutches s	48	11	Richmond	1	11	Dutches s	60	11	Rockland	0
12	Putnam	1,219	12	Putnam	4	12	Putnam	23	12	Putnam	0	12	Putnam	5	12	Putnam	0
T total		111,416	T total		10,498	T total		5,952	T total		283	T total		6,646	T total		34

					TABLE 2							
	MOTOR VEHICLE CRASHES RESULTING IN FATALITY											
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	
Bronx	114	111	116	103	89	79	64	74	54	72	49	
Kings	155	151	177	164	143	142	117	117	109	134	115	
New York	100	109	132	95	88	99	82	96	84	81	59	
Queens	160	189	158	156	170	140	133	132	116	123	112	
Richmond	25	30	26	28	20	17	23	19	17	14	22	
NEW YORK CITY	554	590	609	546	510	477	419	438	380	424	357	
Dutchess	41	39	38	35	25	34	30	30	22	31	27	
Nassau	127	144	143	118	122	104	107	101	75	112	101	
Orange	65	65	70	39	42	38	47	35	37	39	31	
Putnam	13	14	11	13	10	13	16	12	16	13	12	
Rockland	31	24	24	18	14	19	25	20	14	26	26	
Suffolk	178	188	192	186	174	181	146	166	153	147	162	
Westchester	100	100	84	73	65	57	53	65	63	54	52	
NEW YORK SUBURBS	555	574	562	482	452	446	424	429	380	422	411	
DOWNSTATE NY	1,109	1,164	1,171	1,028	962	923	843	867	760	846	768	
NEW YORK STATE	2,046	2,079	2,027	1,807	1,650	1,623	1,528	1,557	1,451	1,488	1,395	
Downstate % of NYS	54.2	56.0	57.8	56.9	58.3	56.9	55.2	55.7	52.4	56.9	55.1	
UNITED STATES	42,119	40,718	39,836	36,895	34,928	35,780	36,254	37,241	37,351	37,280	n/a	
Downstate % of Nation	2.6	2.9	2.9	2.8	2.8	2.6	2.3	2.3	2.0	2.3	n/a	
n/a - Data not available												
Source: New York State Dept. of Motor Vehicles.												
Statistical Abstract of the United States, Highway Statistics (1994, 1995).												

Source: NYMTC Estimates based on statistics from New York State Dept. of Motor Vehicles and Census Bureau.

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MOTOR VEHICLE CRASHES RESULTING IN PROPERTY DAMAGE

		1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Bronx		4,294	4,613	4,248	3,233	2,413	2,322	2,446	2,245	2,233	2,138	2,152
Kings		8,161	8,393	7,991	6,284	4,792	4,342	4,116	3,726	3,328	3,075	3,246
New York		6,365	6,220	5,955	4,591	3,223	3,130	3,387	3,348	3,311	2,939	2,874
Queens		12,253	12,750	12,028	9,299	6,995	6,466	6,120	5,650	5,379	4,718	5,002
Richmond		1,904	2,000	1,998	1,583	1,316	1,148	1,112	1,154	1,007	978	1,092
NEW YORK CITY		32,977	33,976	32,220	24,990	18,739	17,408	17,181	16,123	15,258	13,848	14,366
Dutchess		2,306	2,336	2,105	1,693	1,440	1,330	1,439	1,286	1,589	1,873	3,142
Nassau		13,591	13,889	13,047	10,397	7,982	7,794	7,809	7,098	6,989	9,659	16,066
Orange		2,242	2,434	2,343	1,933	1,527	1,532	1,810	1,594	1,692	2,165	3,471
Putnam		934	918	853	672	590	570	653	573	642	727	1,014
Rockland		2,064	2,035	1,929	1,723	1,430	1,469	1,639	1,540	1,713	1,724	2,404
Suffolk		12,781	12,512	11,548	8,763	6,855	6,652	6,806	5,981	5,973	8,459	14,506
Westchester		8,705	8,755	7,528	6,012	4,769	4,876	5,136	4,755	5,107	5,466	7,615
NEW YORK SUBURBS		42,623	42,879	39,353	31,193	24,593	24,223	25,292	22,827	23,705	30,073	48,218
DOWNSTATE NY		75,600	76,855	71,573	56,183	43,332	41,631	42,473	38,950	38,963	43,921	62,584
NEW YORK STATE		110,799	116,067	107,365	83,758	63,555	62,999	66,296	62,378	63,400	79,590	123,485
Downstate % of NYS		68.2	66.2	66.7	67.1	68.2	66.1	64.1	62.4	61.5	55.2	50.7

Source: New York State Dept. of Motor Vehicles.

TABLE 7

MOTOR VEHICLE CRASHES BY CONTRIBUTING HUMAN FACTORS

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Bronx	12,263	12,714	13,265	12,852	12,043	10,856	9,830	10,293	10,035	9,936	10,089
Kings	24,726	25,000	27,174	27,608	27,358	27,928	27,448	28,859	26,817	25,843	27,468
New York	17,185	17,829	19,407	18,875	19,083	18,987	18,706	18,276	18,380	17,645	16,875
Queens	25,180	25,974	25,863	25,435	24,555	23,503	22,503	23,119	21,562	20,706	22,415
Richmond	5,181	5,229	5,389	5,310	5,277	4,730	4,296	4,535	4,323	4,180	4,295
NEW YORK CITY	84,535	86,746	91,098	90,080	88,316	86,004	82,783	85,082	81,117	78,310	81,142
Dutchess	4,186	4,156	3,735	3,371	3,125	3,109	3,165	3,208	3,452	3,769	4,532
Nassau	21,747	22,838	22,476	20,746	19,591	19,703	19,240	19,579	19,287	23,200	29,918
Orange	5,504	5,586	5,145	4,667	4,502	4,595	4,546	4,505	4,508	4,468	6,008
Putnam	1,526	1,617	1,423	1,368	1,198	1,196	1,252	1,195	1,243	1,375	1,605
Rockland	4,648	4,627	4,263	3,929	3,735	3,696	3,843	4,041	3,989	4,108	4,793
Suffolk	24,254	23,877	23,453	20,954	14,536	19,605	19,039	19,142	18,565	21,393	28,103
Westchester	9,114	9,558	8,417	8,135	7,566	7,475	7,614	7,696	8,081	9,045	10,982
NEW YORK SUBURBS	70,979	72,259	68,912	63,170	54,253	59,379	58,699	59,366	59,125	67,358	85,941
DOWNSTATE NY	155,514	159,005	160,010	153,250	142,569	145,383	141,482	144,448	140,242	145,668	167,083
NEW YORK STATE	234,852	241,043	238,794	224,255	209,304	213,273	210,333	213,552	209,673	222,969	265,169
Downstate % of NYS	66.2	66.0	67.0	68.3	68.1	68.2	67.3	67.6	66.9	65.3	63.0

Source: New York State Dept. of Motor Vehicles.

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TABLE 10

TOTAL NUMBER OF VEHICLES INVOLVED IN ALL TYPE OF CRASHES

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Bronx	30,753	32,175	31,487	28,234	27,205	25,550	25,074	25,071	23,936	24,363	25,044
Kings	61,864	62,860	64,735	60,801	60,250	58,987	58,196	57,218	53,868	54,609	57,498
New York	63,279	40,294	40,458	37,223	36,015	36,255	36,528	35,107	34,085	33,305	32,442
Queens	69,872	71,951	71,458	63,855	60,801	58,657	57,498	57,136	53,954	52,143	55,673
Richmond	12,159	12,346	12,590	11,520	11,361	10,639	10,107	10,438	10,212	10,028	10,416
NEW YORK CITY	237,927	219,626	220,728	201,633	195,632	190,088	187,403	184,970	176,055	174,448	181,073
Dutchess	10,068	10,139	9,221	7,914	7,353	7,192	7,662	7,205	7,859	7,995	9,771
Nassau	63,341	64,702	62,649	55,151	50,402	50,549	50,497	48,241	47,849	53,356	66,224
Orange	11,404	11,889	11,030	9,910	9,330	9,269	10,126	9,100	9,312	9,259	11,696
Putnam	3,653	3,674	3,366	2,980	2,716	2,743	3,036	2,658	2,893	3,029	3,221
Rockland	10,734	10,683	9,900	9,340	8,463	8,889	9,464	8,887	9,361	8,960	10,089
Suffolk	61,110	60,396	57,263	49,441	44,535	44,912	45,384	41,941	42,116	45,322	57,818
Westchester	35,956	35,740	31,363	49,440	25,262	25,609	26,507	25,219	26,298	26,381	30,266
NEW YORK SUBURBS	196,266	197,223	184,792	184,176	148,061	149,163	152,676	143,251	145,688	154,302	189,085
DOWNSTATE NY	434,193	416,849	405,520	385,809	343,693	339,251	340,079	328,221	321,743	328,750	370,158
NEW YORK STATE	583,264	599,428	574,970	511,037	478,966	477,335	483,580	466,820	461,589	482,607	560,734
Downstate % of NYS	74.4	69.5	70.5	75.5	71.8	71.1	70.3	70.3	69.7	68.1	66.0

Source: New York State Department of Motor Vehicles.

Bronx	157	177	181	146	132	109	98	111	76	98	81
Kings	233	228	283	275	221	211	174	179	163	195	165
New York	143	135	199	129	115	134	108	141	107	108	74
Queens	246	278	252	248	268	207	217	195	191	185	177
Richmond	35	43	39	47	26	28	38	37	23	18	32
NEW YORK CITY	814	861	954	845	762	689	635	663	560	604	529
Dutchess	62	59	64	57	36	58	46	53	37	50	38
Nassau	205	224	211	189	185	172	158	159	121	177	156
Orange	95	103	103	56	73	63	77	52	56	63	50
Putnam	20	24	3	20	18	20	25	22	27	21	19
Rockland	48	37	39	26	21	36	39	21	20	42	40
Suffolk	265	294	296	292	291	286	248	252	238	235	263
Westchester	154	138	135	292	91	90	77	97	92	81	67
NEW YORK SUBURBS	849	879	851	932	715	725	670	656	591	669	633
DOWNSTATE NY	1,663	1,740	1,805	1,777	1,477	1,414	1,305	1,319	1,151	1,273	1,162
NEW YORK STATE	3,060	3,143	3,120	2,785	2,544	2,473	2,390	2,377	2,227	2,305	2,141
Downstate % of NYS	54.3	55.4	57.9	63.8	58.1	57.2	54.6	55.5	51.7	55.2	54.3

Source: New York State Department of Motor Vehicles.

TOTAL NUMBER OF VEHICLES INVOLVED IN CRASHES RESULTING IN INJURY

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Bronx	21,624	22,394	22,583	21,457	22,094	20,727	20,020	20,375	19,303	19,908	20,535
Kings	44,494	45,132	47,738	47,454	49,956	49,646	49,523	49,321	46,874	48,066	50,557
New York	35,546	27,428	28,091	27,709	29,268	29,688	29,455	28,144	27,276	27,168	26,468
Queens	44,103	45,306	46,441	44,353	46,058	45,172	44,780	45,276	42,741	42,247	45,178
Richmond	8,219	8,221	8,449	8,234	8,591	8,254	7,801	8,063	8,161	8,017	8,162
NEW YORK CITY	153,986	148,481	153,302	149,207	155,967	153,487	151,579	151,179	144,355	145,406	150,900
Dutchess	5,820	5,954	5,465	4,869	4,888	4,907	5,145	4,998	5,191	5,005	4,785
Nassau	35,546	36,326	35,954	33,953	34,170	34,700	34,575	33,769	33,660	33,576	33,906
Orange	7,322	7,556	6,912	6,545	6,707	6,666	6,953	6,388	6,498	5,771	5,988
Putnam	1,988	2,083	1,888	1,796	1,710	1,766	1,903	1,664	1,815	1,817	1,578
Rockland	6,692	6,711	6,128	6,045	5,767	6,086	6,357	6,013	6,160	5,727	5,525
Suffolk	35,547	35,467	34,174	31,884	30,756	31,707	31,792	29,941	30,200	28,481	29,166
Westchester	18,859	18,704	16,779	31,883	16,149	16,284	16,669	16,125	16,591	16,139	16,298
NEW YORK SUBURBS	111,774	112,801	107,300	116,975	100,147	102,116	103,394	98,898	100,115	96,516	97,246
DOWNSTATE NY	265,760	261,282	260,602	266,182	256,114	255,603	254,973	250,077	244,470	241,922	248,146
NEW YORK STATE	364,606	372,399	364,706	347,319	355,078	355,104	355,199	347,789	341,836	336,107	337,891
Downstate % of NYS	72.9	70.2	71.5	76.6	72.1	72.0	71.8	71.9	71.5	72.0	73.4

Source: New York State Department of Motor Vehicles.

[illegible]

Source: New York State Department of Motor Vehicles.

MOTOR VEHICLE CRASHES INVOLVING MALE DRIVERS

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	
Bronx	20,349	21,093	20,642	18,255	17,668	16,559	16,444	16,655	15,819	16,169	16,388	
Kings	40,391	40,873	41,950	39,325	39,424	38,784	38,450	38,190	36,046	36,384	38,247	
New York	29,164	28,884	28,935	26,778	26,262	26,452	26,703	25,786	25,006	24,535	23,601	
Queens	44,602	45,862	45,020	39,758	38,596	37,277	36,797	36,781	34,713	33,041	35,380	
Richmond	6,196	7,357	7,301	6,633	6,518	6,058	5,756	5,951	5,826	5,658	5,913	
NEW YORK CITY	140,702	144,069	143,848	130,749	128,468	125,130	124,150	123,363	117,410	115,787	119,529	
Dutchess	5,915	5,805	5,157	4,379	4,101	3,970	4,293	3,923	4,402	4,433	5,377	
Nassau	35,696	35,850	34,658	30,322	27,654	28,170	27,922	26,306	25,966	28,743	35,389	
Orange	6,724	6,886	6,368	5,661	5,326	5,381	5,801	5,269	5,305	5,218	6,562	
Putnam	2,206	2,177	2,031	1,754	1,554	1,594	1,827	1,519	1,679	1,746	1,875	
Rockland	6,196	6,139	5,567	5,286	4,757	5,006	5,346	4,969	5,309	4,954	5,779	
Suffolk	34,567	33,994	31,604	27,152	24,596	24,993	24,989	22,688	22,893	24,442	31,093	
Westchester	20,347	19,993	17,177	15,192	13,791	13,976	16,618	13,757	14,384	14,334	16,323	
NEW YORK SUBURBS	111,651	110,844	102,562	89,746	81,779	83,090	86,796	78,431	79,938	83,870	102,398	
DOWNSTATE NY	252,353	254,913	246,410	220,495	210,247	208,220	210,946	201,794	197,348	199,657	221,927	
NEW YORK STATE	352,194	358,677	341,620	302,459	285,612	285,176	289,381	278,164	273,882	283,794	326,323	
Downstate % of NYS	71.7	71.1	72.1	72.9	73.6	73.0	72.9	72.5	72.1	70.4	68.0	

Source: New York State Dept. of Motor Vehicles.

TABLE 15

MOTOR VEHICLE CRASHES INVOLVING FEMALE DRIVERS

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Bronx	5,399	5,722	5,658	5,229	5,337	5,064	4,836	5,125	5,027	5,086	5,495
Kings	10,792	11,171	11,629	10,840	10,773	10,624	10,481	10,922	10,434	11,080	11,691
New York	4,800	4,943	4,953	4,539	4,389	4,489	4,474	4,578	4,615	4,645	4,710
Queens	14,854	15,451	15,701	14,360	13,572	13,335	12,784	13,444	12,733	12,954	13,658
Richmond	3,979	3,655	3,864	3,613	3,637	3,466	3,280	3,565	3,442	3,469	3,585
NEW YORK CITY	39,824	40,942	41,805	38,581	37,708	36,978	35,855	37,634	36,251	37,234	39,139
Dutchess	3,711	3,872	3,621	3,117	2,970	2,942	3,060	2,984	3,139	3,225	3,888
Nassau	22,220	23,345	22,750	20,244	19,105	19,019	18,801	18,597	18,630	20,801	25,329
Orange	4,012	4,303	3,999	3,638	3,599	3,496	3,812	3,406	3,598	3,593	4,506
Putnam	1,289	1,343	1,204	1,103	1,059	1,070	1,103	1,035	1,091	1,171	1,219
Rockland	3,979	3,982	3,823	3,543	3,296	3,485	3,599	3,459	3,575	3,478	3,716
Suffolk	22,053	22,124	21,289	18,647	16,827	17,046	17,451	16,648	16,762	17,866	22,210
Westchester	12,342	12,585	11,337	10,171	9,523	9,459	9,573	9,319	9,717	9,948	11,409
NEW YORK SUBURBS	69,606	71,554	68,023	60,463	56,379	56,517	57,399	55,448	56,512	60,082	72,277
DOWNSTATE NY	109,430	112,496	109,828	99,044	94,087	93,495	93,254	93,082	92,763	97,316	111,416
NEW YORK STATE	171,327	179,583	172,795	154,618	146,794	146,955	148,439	147,956	148,723	158,181	184,806
Downstate % of NYS	63.9	62.6	63.6	64.1	64.1	63.6	62.8	62.9	62.4	61.5	60.3

Source: New York State Dept. of Motor Vehicles.

TABLE 19

VEHICULAR/PEDESTRIAN CRASHES AT INTERSECTION

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Bronx	1,695	1,775	1,662	1,704	1,673	1,475	1,484	1,473	1,384	1,356	1,296
Kings	3,161	3,287	3,420	3,244	3,216	3,257	3,023	3,059	2,936	2,909	2,939
New York	3,365	3,091	3,343	3,195	3,276	3,301	3,256	3,045	3,031	2,977	2,872
Queens	1,869	1,881	2,028	1,905	1,915	1,844	1,877	1,978	1,849	1,769	1,877
Richmond	193	179	189	189	196	243	206	209	214	188	165
NEW YORK CITY	10,283	10,213	10,642	10,237	10,276	10,120	9,846	9,764	9,414	9,199	9,149
Dutchess	53	43	43	42	37	29	35	43	38	45	42
Nassau	615	589	600	510	525	530	567	562	551	578	554
Orange	77	77	86	47	66	38	50	53	55	59	41
Putnam	8	6	7	8	9	7	13	10	7	5	4
Rockland	58	60	75	47	62	59	56	69	54	61	48
Suffolk	341	307	335	311	322	301	309	271	315	283	293
Westchester	423	373	371	387	363	411	331	335	322	362	367
NEW YORK SUBURB	1,445	1,335	1,388	1,263	1,281	1,308	1,361	1,343	1,342	1,393	1,349
DOWNSTATE NY	11,728	11,548	12,030	11,500	11,557	11,428	11,207	11,107	10,756	10,592	10,498
NEW YORK STATE	13,475	13,296	13,831	13,054	13,157	12,888	12,665	12,500	12,070	11,794	11,705
Downstate % of NYS	87.0	86.9	87.0	88.1	87.8	88.7	88.5	88.9	89.1	89.8	89.7

Source: New York State Dept. of Motor Vehicles.

TABLE 20

VEHICULAR/PEDESTRIAN CRASHES NOT AT INTERSECTION (MID-BLOCK)

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Bronx	1,065	1,024	1,109	1,035	998	942	798	842	760	781	744
Kings	1,918	1,884	1,807	1,692	1,785	1,815	1,636	1,689	1,546	1,495	1,458
New York	1,470	1,590	1,405	1,367	1,439	1,279	1,312	1,356	1,291	1,193	1,227
Queens	1,064	1,064	1,155	1,155	1,215	1,061	1,001	983	1,082	930	983
Richmond	163	160	170	155	156	187	168	167	148	148	149
NEW YORK CITY	5,680	5,722	5,646	5,404	5,593	5,284	4,915	5,037	4,827	4,547	4,561
Dutchess	65	76	58	75	65	71	57	60	62	68	48
Nassau	570	550	534	482	479	484	495	464	417	448	462
Orange	115	115	107	118	77	95	136	101	81	83	64
Putnam	21	22	18	16	19	21	15	10	17	24	23
Rockland	91	102	99	79	87	77	106	101	84	98	79
Suffolk	506	472	452	434	401	457	416	378	345	353	317
Westchester	429	405	339	343	405	359	375	353	330	361	398
NEW YORK SUBURB	1,617	1,551	1,442	1,354	1,391	1,398	1,600	1,467	1,336	1,435	1,391
DOWNSTATE NY	7,297	7,273	7,088	6,758	6,984	6,682	6,515	6,504	6,163	5,982	5,952
NEW YORK STATE	9,567	9,508	9,252	8,885	9,094	8,644	8,414	8,141	7,785	7,531	7,490
Downstate % of NYS	76.3	76.5	76.6	76.1	76.8	77.3	77.4	79.9	79.2	79.4	79.5

Source: New York State Dept. of Motor Vehicles.

TOTAL PEDESTRIAN FATALITIES

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Bronx	71	70	58	63	45	42	38	35	30	27	20
Kings	93	92	105	76	75	89	71	69	71	71	70
New York	79	73	93	65	65	62	60	65	56	54	42
Queens	72	100	73	66	68	67	52	57	49	66	48
Richmond	7	9	10	6	7	4	2	10	7	4	1
NEW YORK CITY	322	344	339	276	260	264	223	236	213	222	181
Dutchess	3	4	3	3	5	4	2	3	3	6	1
Nassau	40	46	47	30	44	25	31	31	17	31	34
Orange	9	7	8	9	6	5	3	4	3	6	2
Putnam	2	2	1	2	2	1	2	0	1	0	0
Rockland	6	6	5	6	4	3	8	4	1	4	3
Suffolk	38	33	41	44	43	44	23	42	29	25	43
Westchester	26	25	22	17	16	12	17	16	13	10	19
NEW YORK SUBURB	124	123	127	111	120	94	86	100	67	82	102
DOWNSTATE NY	446	467	466	387	380	358	309	336	280	304	283
NEW YORK STATE	575	583	592	482	479	449	408	428	397	374	372
Downstate % of NYS	77.6	80.1	78.7	80.3	79.3	79.7	75.7	78.5	70.5	81.3	76.1

Source: New York State Dept. of Motor Vehicles.

TABLE 23

TOTAL BICYCLIST FATALITIES IN VEHICULAR / BICYCLE CRASHES

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Bronx	3	4	0	4	3	1	0	2	2	3	6
Kings	10	8	4	14	2	6	5	6	3	10	4
New York	2	4	5	3	7	4	6	6	8	4	3
Queens	2	2	4	3	4	3	4	6	3	2	5
Richmond	2	3	0	0	1	0	0	0	0	1	0
NEW YORK CITY	19	21	13	24	17	14	15	20	16	20	18
Dutchess	0	0	0	1	1	0	1	0	0	1	3
Nassau	3	2	1	3	3	4	7	4	2	2	2
Orange	0	1	2	2	0	1	0	2	0	1	1
Putnam	0	1	0	0	1	0	0	0	0	0	0
Rockland	1	0	0	1	0	0	0	0	2	1	0
Suffolk	10	11	6	9	6	5	5	6	9	6	10
Westchester	0	3	1	1	1	2	1	2	0	0	0
NEW YORK SUBURBS	14	18	10	17	12	12	14	14	13	11	16
DOWNSTATE NY	33	39	23	41	29	26	29	34	29	31	34
NEW YORK STATE	48	63	39	74	50	42	47	51	44	49	53
Downstate % of NYS	68.8	61.9	59.0	55.4	58.0	61.9	61.7	66.7	65.9	63.3	64.2

Source: New York State Department of Motor Vehicles.

TABLE 24

BRONX COUNTY

CRASHES ON ROAD SYSTEM BY JURISDICTION

	1989			1990			1991			1992			1993		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	16,916	111	12,168	16,680	116	12,316	15,106	103	11,770	14,573	89	12,071	13,819	79	11,418
State Routes	13	0	11	10	0	5	10	0	8	21	0	19	39	0	30
County Routes	0	0	0	3	0	1	0	0	0	0	0	0	0	0	0
Town Routes	3	0	3	3	0	3	5	0	2	5	0	5	1	0	0
Municipal Streets	12,935	77	9,625	12,918	75	9,787	11,842	77	9,404	11,430	70	9,582	10,809	60	9,078
Parkways	1,088	8	713	1,070	10	754	992	7	741	815	8	639	775	8	596
Thruway	1	0	1	1	0	1	1	0	1	0	0	0	1	0	0
Other Interstate	2,794	26	1,815	2,655	31	1,758	2,251	19	1,611	2,234	11	1,790	2,167	11	1,699
Unspecified	82	0	0	20	0	7	5	0	3	68	0	36	27	0	15
	1994			1995			1996			1997			1998		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	13,493	64	10,983	13,568	74	11,249	12,899	54	10,611	13,114	72	10,904	13,272	49	11,071
State Routes	35	0	28	36	0	26	26	0	21	44	0	37	18	0	13
County Routes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Town Routes	0	0	0	1	0	1	1	0	0	3	0	2	10	0	5
Municipal Streets	10,566	48	8,705	10,584	55	8,994	9,979	41	8,405	10,136	51	8,583	10,303	39	8,719
Parkways	711	6	567	705	6	542	723	3	574	729	9	564	731	2	590
Thruway	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Other Interstate	2,159	10	1,669	2,203	13	1,673	2,138	10	1,600	2,177	12	1,713	2,197	8	1,739
Unspecified	22	0	14	38	0	13	32	0	11	25	0	5	13	0	5

Source: New York Stat. Dept. of Motor Vehicles

TABLE 25

KINGS COUNTY

CRASHES ON ROAD SYSTEM BY JURISDICTION

	1989			1990			1991			1992			1993		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	32,523	151	23,979	33,450	177	25,282	31,441	164	24,993	31,360	143	26,425	30,922	142	26,438
State Routes	124	0	90	124	1	98	122	2	96	114	1	95	134	1	110
County Routes	2	0	0	0	0	0	2	0	1	0	0	0	0	0	0
Town Routes	5	0	4	3	0	3	11	0	7	1	0	0	2	0	1
Municipal Streets	29,563	140	21,967	30,565	158	23,244	28,652	148	22,906	28,736	123	24,357	28,308	128	24,274
Parkways	1,270	2	845	1,347	9	955	1,220	5	920	1,198	9	936	1,248	9	1,030
Thruway	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0
Other Interstate	1,464	9	1,039	1,386	9	972	1,410	9	1,051	1,275	10	1,008	1,203	4	1,000
Unspecified	95	0	34	24	0	9	23	0	12	36	0	29	27	0	23
	1994			1995			1996			1997			1998		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	30,485	117	26,252	30,129	117	26,286	28,504	109	25,062	28,768	134	25,559	30,081	115	26,720
State Routes	129	0	119	169	0	141	119	1	99	109	3	95	88	1	79
County Routes	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Town Routes	6	0	5	1	0	1	4	0	3	1	0	1	1	0	0
Municipal Streets	27,792	104	23,998	27,350	104	23,970	26,067	99	23,033	26,223	112	23,429	27,382	101	24,459
Parkways	1,373	6	1,138	1,299	9	1,084	1,147	5	969	1,275	9	1,078	1,303	11	1,099
Thruway	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Other Interstate	1,154	7	966	1,279	4	1,074	1,161	4	953	1,148	10	950	1,280	2	1,071
Unspecified	28	0	24	31	0	16	6	0	5	12	0	6	27	0	12

Source: New York State Dept. of Motor Vehicles

TABLE 26

NEW YORK COUNTY

CRASHES ON ROAD SYSTEM BY JURISDICTION

	1989			1990			1991			1992			1993		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	22,063	109	15,734	22,197	132	16,110	20,603	95	15,917	20,098	88	16,787	20,317	99	17,088
State Routes	10	0	8	8	0	6	7	0	6	36	0	34	29	0	23
County Routes	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0
Town Routes	6	0	6	6	0	4	5	0	2	3	0	3	1	0	1
Municipal Streets	18,888	86	13,727	18,982	110	14,064	18,040	81	14,159	17,844	76	14,981	18,087	81	15,345
Parkways	2,076	21	1,487	2,121	18	1,489	1,721	12	1,297	1,546	9	1,240	1,545	17	1,221
Thruway	1	0	1	2	0	1	1	0	0	2	0	2	1	0	1
Other Interstate	1,014	2	483	969	4	510	770	2	428	621	3	499	627	1	481
Unspecified	68	0	22	109	0	36	58	0	25	45	0	27	27	0	16
	1994			1995			1996			1997			1998		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	20,382	82	16,913	19,694	96	16,250	19,219	84	15,825	18,731	81	15,711	18,176	59	15,243
State Routes	41	0	31	51	0	28	40	0	26	40	0	26	37	1	23
County Routes	0	0	0	2	0	2	1	0	0	0	0	0	0	0	0
Town Routes	1	0	1	3	0	3	3	0	3	0	0	0	2	0	0
Municipal Streets	18,056	70	15,228	17,298	83	14,541	16,805	73	14,128	16,671	67	14,168	16,085	51	13,630
Parkways	1,434	11	1,154	1,469	13	1,171	1,516	9	1,212	1,428	13	1,146	1,537	7	1,230
Thruway	3	0	2	0	0	0	0	0	0	0	0	0	2	0	1
Other Interstate	815	1	475	849	0	492	841	2	448	575	1	363	503	0	355
Unspecified	32	0	22	22	0	13	13	0	8	17	0	8	10	0	4

Source: New York Stat. Dept. of Motor Vehicles

TABLE 27

QUEENS COUNTY

CRASHES ON ROAD SYSTEM BY JURISDICTION

	1989			1990			1991			1992			1993		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	36,025	189	23,086	35,946	158	23,760	32,233	156	22,778	30,898	170	23,733	29,905	140	23,299
State Routes	23	0	14	15	1	8	16	0	12	124	0	91	55	0	42
County Routes	2	0	0	2	0	2	1	0	0	1	0	0	1	0	0
Town Routes	4	0	3	5	0	4	5	0	2	4	0	2	2	0	1
Municipal Streets	29,398	156	18,911	29,485	134	19,597	26,292	131	18,636	24,985	142	19,267	24,128	118	18,843
Parkways	2,999	18	1,939	3,003	9	1,997	2,827	10	2,011	2,797	13	2,109	2,708	11	2,098
Thruway	3	0	3	1	0	0	0	0	0	0	0	0	0	0	0
Other Interstate	3,483	15	2,188	3,366	14	2,135	3,043	15	2,099	2,894	15	2,220	2,936	11	2,288
Unspecified	113	0	28	69	0	17	49	0	18	93	0	44	75	0	27
	1994			1995			1996			1997			1998		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	29,302	133	23,049	29,243	132	23,461	27,703	116	22,205	26,690	123	21,849	28,274	112	23,160
State Routes	31	1	24	46	0	34	35	0	26	32	0	25	22	0	15
County Routes	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0
Town Routes	3	1	1	1	0	1	1	0	1	1	0	1	3	0	3
Municipal Streets	23,765	105	18,727	23,792	106	19,165	22,510	93	18,131	21,709	96	17,832	22,807	86	18,819
Parkways	2,614	13	2,042	2,555	9	2,036	2,385	10	1,899	2,384	12	1,968	2,550	10	2,064
Thruway	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Northway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Interstate	2,830	12	2,224	2,820	17	2,212	2,756	13	2,139	2,538	15	2,014	2,850	16	2,245
Unspecified	58	1	30	29	0	13	15	0	9	25	0	9	41	0	14

Source: New York Stat Dept. of Motor Vehicles

TABLE 28

RICHMOND COUNTY

CRASHES ON ROAD SYSTEM BY JURISDICTION

	1989			1990			1991			1992			1993		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	6,248	30	4,218	6,398	26	4,374	5,883	28	4,272	5,822	20	4,486	5,469	17	4,304
State Routes	106	0	76	103	1	72	109	1	75	94	2	71	93	2	70
County Routes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Town Routes	0	0	0	2	0	2	1	0	0	1	0	0	0	0	0
Municipal Streets	5,575	29	3,780	5,703	21	3,906	5,240	21	3,826	5,242	18	4,028	4,900	14	3,851
Parkways	12	0	10	13	0	9	16	1	11	20	0	18	9	0	6
Thruway	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Other Interstate	523	1	344	535	4	373	488	5	348	448	0	369	440	1	365
Unspecified	32	0	8	42	0	12	28	0	11	17	0	10	27	0	12
	1994			1995			1996			1997			1998		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	5,171	23	4,036	5,361	19	4,188	5,268	17	4,244	5,125	14	4,133	5,318	22	4,204
State Routes	101	0	84	109	3	69	119	0	96	75	1	55	109	2	85
County Routes	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Town Routes	1	0	1	2	0	1	0	0	0	1	0	1	0	0	0
Municipal Streets	4,616	22	3,592	4,659	15	3,667	4,543	16	3,672	4,529	12	3,656	4,696	16	3,724
Parkways	16	0	12	9	0	6	30	0	24	49	0	43	46	2	32
Thruway	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Other Interstate	427	1	344	569	1	439	562	1	445	460	1	373	456	2	357
Unspecified	9	0	3	13	0	6	13	0	7	11	0	5	11	0	6

Source: New York Stat. Dept. of Motor Vehicles

TABLE 29

NEW YORK CITY

CRASHES ON ROAD SYSTEM BY JURISDICTION

	1989			1990			1991			1992			1993		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	113,775	590	79,185	114,671	609	81,842	105,266	546	79,730	102,751	510	83,502	100,432	477	82,547
State Routes	276	0	199	260	3	189	264	3	197	389	3	310	350	3	275
County Routes	4	0	0	5	0	3	4	0	1	2	0	1	1	0	0
Town Routes	18	0	16	19	0	16	27	0	13	14	0	10	6	0	3
Municipal Streets	96,359	488	68,010	97,653	498	70,598	90,066	458	68,931	88,237	429	72,215	86,232	401	71,391
Parkways	7,445	49	4,994	7,554	46	5,204	6,776	35	4,980	6,376	39	4,942	6,285	45	4,951
Thruway	5	0	5	5	0	3	4	0	2	2	0	2	2	0	1
Other Interstate	9,278	53	5,869	8,911	62	5,748	7,962	50	5,537	7,472	39	5,876	7,373	28	5,833
Unspecified	390	0	92	264	0	81	163	0	69	259	0	146	183	0	93
	1994			1995			1996			1997			1998		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	98,833	419	81,233	97,995	438	81,434	93,593	380	77,947	92,428	424	78,156	95,121	357	80,398
State Routes	337	1	286	411	3	298	339	1	268	300	4	238	274	4	215
County Routes	3	0	2	2	0	2	1	0	0	0	0	0	1	0	0
Town Routes	11	1	8	8	0	7	9	0	7	6	0	5	16	0	8
Municipal Streets	84,795	349	70,250	83,683	363	70,337	79,904	322	67,369	79,268	338	67,668	81,273	293	69,351
Parkways	6,148	36	4,913	6,037	37	4,899	5,801	27	4,678	5,865	43	4,799	6,167	32	5,015
Thruway	5	0	3	1	0	0	2	0	0	1	0	0	2	0	1
Other Interstate	7,385	31	5,678	7,720	35	5,890	7,458	30	5,585	6,898	39	5,413	7,286	28	5,767
Unspecified	149	1	93	133	0	61	79	0	40	90	0	33	102	0	41

Source: New York Stat Dept. of Motor Vehicles

TABLE 30

DUTCHESS COUNTY

CRASHES ON ROAD SYSTEM BY JURISDICTION

	1989			1990			1991			1992			1993		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	5,717	39	3,342	5,187	38	3,044	4,467	35	2,739	4,207	25	2,742	4,097	34	2,733
State Routes	2,957	20	1,758	2,638	20	1,566	2,250	23	1,389	2,164	13	1,442	2,127	18	1,421
County Routes	911	12	573	875	10	556	691	5	457	734	6	478	666	8	434
Town Routes	737	3	402	671	1	383	588	4	361	533	3	329	519	5	339
Municipal Streets	652	1	400	601	3	355	556	0	357	459	0	328	491	1	369
Parkways	259	3	120	188	2	96	181	3	83	215	2	109	198	0	115
Thruway	2	0	2	2	0	2	2	0	2	1	0	1	0	0	0
Other Interstate	151	0	74	165	2	81	163	0	85	84	1	49	80	2	52
Unspecified	48	0	13	47	0	5	36	0	5	17	0	6	16	0	3
	1994			1995			1996			1997			1998		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	4,320	30	2,851	4,116	30	2,800	4,512	22	2,900	4,731	31	2,829	5,815	27	2,646
State Routes	2,239	17	1,539	2,025	14	1,408	2,283	11	1,520	2,384	17	1,464	2,963	11	1,397
County Routes	652	3	421	724	5	510	713	2	467	801	5	461	1,033	8	450
Town Routes	549	1	331	573	2	358	580	1	347	563	2	327	743	5	302
Municipal Streets	487	1	345	449	3	332	523	2	360	547	1	377	561	2	325
Parkways	226	5	118	221	5	120	247	6	122	270	4	111	294	1	89
Thruway	2	0	1	1	0	1	0	0	0	1	0	1	3	0	1
Other Interstate	134	3	88	110	1	68	143	0	80	135	2	76	151	0	65
Unspecified	31	0	8	13	0	3	23	0	4	30	0	12	67	0	17

Source: New York Stat Dept. of Motor Vehicles

TABLE 31

NASSAU COUNTY

CRASHES ON ROAD SYSTEM BY JURISDICTION

	1989			1990			1991			1992			1993		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	32,452	144	18,419	31,353	143	18,163	27,715	118	17,200	25,492	122	17,388	25,426	104	17,528
State Routes	8,250	39	4,887	7,568	41	4,515	6,451	32	4,133	6,024	29	4,236	5,836	30	4,135
County Routes	13,090	56	7,635	12,136	55	7,333	10,990	34	7,021	7,027	19	4,934	12	0	10
Town Routes	4,050	8	2,003	4,083	13	2,050	3,434	8	1,862	4,803	35	3,052	8,737	35	5,876
Municipal Streets	3,280	19	1,784	3,275	18	1,844	2,757	17	1,655	3,953	23	2,692	7,107	16	4,966
Parkways	3,248	21	1,885	3,157	12	1,866	3,006	23	1,948	2,821	14	1,967	2,842	18	1,986
Thruway	4	0	3	0	0	0	1	0	1	1	0	0	2	0	1
Other Interstate	312	1	182	822	4	510	777	4	517	661	2	441	736	5	515
Unspecified	218	0	40	312	0	45	299	0	63	202	0	66	154	0	39
	1994			1995			1996			1997			1998		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	25,333	107	17,418	24,196	101	16,997	23,951	75	16,884	26,598	112	16,828	33,100	101	16,933
State Routes	5,809	30	4,054	5,470	27	3,970	5,416	20	3,916	5,898	31	3,818	7,010	21	3,757
County Routes	27	0	21	48	0	38	21	0	13	22	1	10	35	0	22
Town Routes	8,994	34	6,137	8,621	39	5,895	8,455	25	5,819	9,776	44	5,867	12,678	39	6,089
Municipal Streets	6,890	26	4,770	6,995	23	4,988	6,751	15	4,856	7,354	20	4,724	8,959	20	4,760
Parkways	2,694	14	1,874	2,190	9	1,558	2,367	14	1,708	2,496	13	1,801	3,384	20	1,808
Thruway	3	0	1	4	0	3	5	0	3	3	0	2	4	0	1
Other Interstate	714	3	497	690	3	496	757	1	532	888	3	558	894	1	446
Unspecified	202	0	64	178	0	49	179	0	37	161	0	48	136	0	50

Source: New York Stat Dept. of Motor Vehicles

TABLE 32

ORANGE COUNTY

CRASHES ON ROAD SYSTEM BY JURISDICTION

	1989			1990			1991			1992			1993		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	6,888	65	4,389	6,384	70	3,971	5,690	39	3,718	5,370	42	3,801	5,301	38	3,731
State Routes	3,150	32	2,029	3,098	41	1,963	2,791	23	1,819	2,540	25	1,808	2,551	23	1,827
County Routes	895	13	596	765	10	485	702	6	491	727	5	515	627	5	440
Town Routes	961	11	597	764	8	448	648	3	432	656	5	458	690	6	458
Municipal Streets	1,392	4	900	1,288	4	801	1,103	3	719	1,036	2	749	999	1	736
Parkways	63	1	31	55	1	31	34	0	22	41	0	28	46	1	22
Thruway	201	0	120	177	3	109	194	2	120	176	4	114	164	1	114
Other Interstate	161	4	100	189	3	123	158	2	97	149	1	111	162	1	116
Unspecified	65	0	16	48	0	11	60	0	18	45	0	18	62	0	18
	1994			1995			1996			1997			1998		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	5,686	47	3,829	5,260	35	3,631	5,404	37	3,674	5,528	39	3,324	6,866	31	3,364
State Routes	2,707	26	1,896	2,387	19	1,672	2,515	16	1,784	2,435	18	1,501	3,223	19	1,617
County Routes	678	7	448	682	4	464	713	8	478	766	7	457	837	6	431
Town Routes	671	6	423	717	7	493	615	5	402	705	6	420	874	1	395
Municipal Streets	1,134	1	757	1,010	1	731	995	1	684	1,074	5	671	1,280	3	655
Parkways	22	1	13	32	0	20	51	0	31	38	0	22	35	0	17
Thruway	196	3	135	181	2	100	197	2	124	196	1	100	270	1	115
Other Interstate	229	3	148	224	2	140	249	5	148	229	2	125	271	1	116
Unspecified	49	0	9	27	0	11	69	0	23	85	0	28	76	0	18

Source: New York Stat Dept. of Motor Vehicles

TABLE 33

PUTNAM COUNTY

CRASHES ON ROAD SYSTEM BY JURISDICTION

	1989			1990			1991			1992			1993		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	2,164	14	1,232	1,972	11	1,108	1,738	13	1,053	1,598	10	998	1,629	13	1,046
State Routes	968	9	561	929	7	520	812	7	507	757	6	486	776	3	493
County Routes	378	1	223	310	2	189	292	2	185	307	2	191	302	7	207
Town Routes	388	2	222	312	0	167	283	1	161	265	1	167	258	2	157
Municipal Streets	27	0	14	10	0	6	10	0	5	8	0	2	10	0	3
Parkways	201	1	108	213	1	122	169	2	105	129	1	73	149	1	102
Thruway	1	0	0	1	0	0	3	0	0	0	0	0	3	0	0
Other Interstate	196	1	103	187	1	103	164	1	90	130	0	78	130	0	84
Unspecified	5	0	1	10	0	1	5	0	0	2	0	1	1	0	0
	1994			1995			1996			1997			1998		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	1,744	16	1,075	1,545	12	960	1,688	16	1,030	1,773	13	1,033	1,936	12	910
State Routes	878	10	578	790	7	505	778	9	513	874	4	537	910	3	463
County Routes	273	2	169	253	2	177	296	2	194	305	4	195	344	2	183
Town Routes	273	1	154	255	0	149	283	0	155	245	0	139	291	3	131
Municipal Streets	26	0	14	9	0	4	15	0	6	32	0	11	23	0	13
Parkways	140	2	82	94	0	52	164	4	87	137	2	57	182	0	50
Thruway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Interstate	146	1	78	135	3	70	140	1	75	174	3	93	173	4	66
Unspecified	8	0	0	9	0	3	12	0	0	6	0	1	13	0	4

Source: New York Stat. Dept. of Motor Vehicles

TABLE 34

ROCKLAND COUNTY

CRASHES ON ROAD SYSTEM BY JURISDICTION

	1989			1990			1991			1992			1993		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	5,608	24	3,549	5,211	24	3,258	4,917	18	3,176	4,485	14	3,041	4,641	19	3,153
State Routes	2,073	12	1,365	2,013	10	1,329	1,882	9	1,288	1,774	7	1,230	1,857	10	1,324
County Routes	1,075	3	673	951	2	584	989	5	630	881	3	626	889	3	615
Town Routes	1,055	1	633	965	6	576	858	3	524	735	0	459	772	3	487
Municipal Streets	587	2	392	514	4	329	463	0	309	423	1	306	434	1	303
Parkways	396	3	244	381	1	208	321	1	187	315	2	185	305	1	189
Thruway	400	3	239	354	1	223	376	0	232	335	1	227	355	1	229
Other Interstate	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unspecified	21	0	3	33	0	9	28	0	6	22	0	8	29	0	6
	1994			1995			1996			1997			1998		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	4,969	25	3,305	4,722	20	3,162	4,935	14	3,206	4,748	26	2,998	5,279	26	2,849
State Routes	1,805	7	1,273	1,761	5	1,244	1,781	8	1,265	1,806	11	1,183	1,986	11	1,176
County Routes	952	5	651	842	6	546	936	1	593	810	4	514	861	2	484
Town Routes	843	2	493	908	4	559	883	1	504	830	3	489	883	4	447
Municipal Streets	496	4	345	506	1	362	543	1	365	542	1	354	608	2	320
Parkways	387	2	250	338	4	206	370	2	215	350	4	219	355	3	191
Thruway	445	5	278	332	0	233	394	1	256	380	3	226	558	4	224
Other Interstate	2	0	0	13	0	5	9	0	3	6	0	4	3	0	1
Unspecified	39	0	15	22	0	7	19	0	5	24	0	9	25	0	6

Source: New York Stat Dept. of Motor Vehicles

TABLE 35

SUFFOLK COUNTY

CRASHES ON ROAD SYSTEM BY JURISDICTION

	1989			1990			1991			1992			1993		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	31,177	188	18,477	29,542	192	17,802	25,511	186	16,562	22,998	174	15,969	23,319	181	16,486
State Routes	11,915	73	7,070	10,508	72	6,228	8,994	69	5,875	8,236	65	5,687	8,125	60	5,744
County Routes	6,795	59	4,299	6,741	60	4,338	5,927	58	4,065	5,352	49	3,883	5,382	50	3,973
Town Routes	10,003	49	5,803	9,353	42	5,579	7,952	44	5,107	7,074	44	4,875	7,411	53	5,165
Municipal Streets	1,072	3	575	1,074	5	578	887	4	513	838	2	545	796	4	535
Parkways	869	2	512	864	7	554	708	6	454	698	7	483	801	10	558
Thruway	2	0	1	1	0	1	1	0	1	1	0	1	3	0	3
Other Interstate	321	2	165	778	6	467	802	5	484	594	7	386	677	4	470
Unspecified	200	0	52	223	0	57	240	0	63	205	0	79	124	0	38
	1994			1995			1996			1997			1998		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	23,388	146	16,437	21,630	166	15,483	21,732	153	15,602	23,261	147	14,656	29,642	162	14,974
State Routes	8,127	45	5,739	7,573	52	5,356	7,643	54	5,497	8,084	48	5,110	10,053	54	5,134
County Routes	5,197	45	3,892	4,790	41	3,603	4,890	45	3,722	5,483	48	3,670	6,851	40	3,756
Town Routes	7,612	40	5,196	7,024	51	4,997	6,984	41	4,898	7,422	41	4,484	9,871	43	4,710
Municipal Streets	841	3	535	796	6	542	796	4	532	856	3	485	1,121	7	475
Parkways	799	7	568	705	10	520	665	4	476	616	3	429	693	9	391
Thruway	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0
Other Interstate	657	6	454	567	6	399	623	5	437	689	4	442	901	9	478
Unspecified	155	0	53	173	0	64	131	0	40	111	0	36	152	0	30

Source: New York State Dept. of Motor Vehicles

TABLE 36

WESTCHESTER COUNTY

CRASHES ON ROAD SYSTEM BY JURISDICTION

	1989			1990			1991			1992			1993		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	18,860	100	10,006	16,628	84	9,016	14,754	73	8,669	13,573	65	8,739	13,673	57	8,440
State Routes	5,134	28	2,712	4,680	34	2,584	4,086	20	2,380	3,904	24	2,483	3,941	20	2,501
County Routes	2,808	11	1,525	2,415	6	1,338	2,072	10	1,215	1,625	1	1,035	1,501	4	988
Town Routes	1,488	12	723	1,389	7	663	1,145	5	603	1,066	3	630	1,050	4	323
Municipal Streets	5,275	15	2,752	4,705	16	2,521	4,309	12	2,556	4,099	16	2,719	4,169	12	2,710
Parkways	2,270	26	1,316	2,006	8	1,170	1,729	19	1,116	1,721	13	1,111	1,780	13	1,176
Thruway	870	6	543	528	7	325	667	7	435	542	5	385	576	2	408
Other Interstate	809	2	396	772	6	391	634	0	350	518	3	332	545	2	313
Unspecified	206	0	39	133	0	24	112	0	14	98	0	34	111	0	21
	1994			1995			1996			1997			1998		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	14,072	53	8,884	13,502	65	8,683	13,992	63	8,822	14,097	54	8,577	16,310	52	8,646
State Routes	4,047	18	2,589	3,847	27	2,492	4,001	20	2,546	4,219	21	2,551	4,836	13	2,502
County Routes	1,392	9	906	1,345	6	890	1,321	2	889	1,226	5	781	1,374	3	823
Town Routes	1,135	4	667	1,052	4	607	1,076	5	588	1,149	1	588	1,351	4	561
Municipal Streets	4,535	11	2,862	4,316	11	2,759	4,349	12	2,767	4,078	9	2,653	4,551	13	2,878
Parkways	1,669	5	1,101	1,671	10	1,144	1,798	18	1,178	2,005	10	1,194	2,420	11	1,103
Thruway	600	2	387	614	5	434	733	2	506	644	2	407	710	6	357
Other Interstate	562	4	338	524	2	311	575	4	332	628	6	388	846	2	351
Unspecified	132	0	34	133	0	46	139	0	36	148	0	45	222	0	71

Source: New York Stat. Dept. of Motor Vehicles

TABLE 37

NEW YORK SUBURBS

CRASHES ON ROAD SYSTEM BY JURISDICTION

	1989			1990			1991			1992			1993		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	102,866	574	59,414	96,277	562	56,362	84,792	482	53,117	77,723	452	52,678	78,086	446	53,117
State Routes	34,447	213	20,382	31,434	225	18,705	27,266	183	17,391	25,399	169	17,372	25,213	164	17,445
County Routes	25,952	155	15,524	24,193	145	14,823	21,663	120	14,064	16,653	85	11,672	9,379	77	6,667
Town Routes	18,682	86	10,383	17,537	77	9,866	14,908	68	9,050	15,132	91	9,970	19,437	108	12,805
Municipal Streets	12,285	44	6,817	11,467	50	6,434	10,085	36	6,114	10,816	44	7,341	14,006	35	9,622
Parkways	7,306	57	4,216	6,864	32	4,047	6,148	54	3,915	5,940	39	3,966	6,121	44	4,148
Thruway	1,480	9	908	1,063	11	660	1,244	9	791	1,056	10	738	1,103	4	755
Other Interstate	1,951	10	1,020	2,913	22	1,675	2,698	12	1,623	2,136	14	1,407	2,330	14	1,550
Unspecified	763	0	164	806	0	152	780	0	169	591	0	212	497	0	125
	1994			1995			1996			1997			1998		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	79,512	424	53,799	74,971	429	51,716	76,214	380	52,118	80,736	422	50,245	98,948	411	50,322
State Routes	25,612	153	17,668	23,853	151	16,647	24,417	138	17,041	25,700	150	16,164	30,981	132	16,046
County Routes	9,171	71	6,508	8,684	64	6,228	8,890	60	6,356	9,413	74	6,088	11,335	61	6,149
Town Routes	20,077	88	13,401	19,150	107	13,058	18,876	78	12,693	20,690	97	12,314	26,691	99	12,635
Municipal Streets	14,409	46	9,628	14,081	45	9,718	13,972	35	9,570	14,483	39	9,275	17,103	47	9,426
Parkways	5,937	36	4,006	5,251	38	3,620	5,662	48	3,817	5,912	36	3,833	7,363	44	3,649
Thruway	1,246	10	802	1,134	7	773	1,329	5	889	1,224	6	736	1,545	11	698
Other Interstate	2,444	20	1,603	2,263	17	1,489	2,496	16	1,607	2,749	20	1,666	3,239	17	1,523
Unspecified	616	0	183	555	0	183	572	0	145	565	0	179	691	0	196

Source: New York Stat Dept. of Motor Vehicles

TABLE 38

DOWNSTATE NEW YORK

CRASHES ON ROAD SYSTEM BY JURISDICTION

	1989			1990			1991			1992			1993		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	216,641	1,164	138,599	210,948	1,171	138,204	190,058	1,028	132,847	180,474	962	136,180	178,518	923	135,664
State Routes	34,723	213	20,581	31,694	228	18,894	27,530	186	17,588	25,788	172	17,682	25,563	167	17,720
County Routes	25,956	155	15,524	24,198	145	14,826	21,667	120	14,065	16,655	85	11,673	9,380	77	6,667
Town Routes	18,700	86	10,399	17,556	77	9,882	14,935	68	9,063	15,146	91	9,980	19,443	108	12,808
Municipal Streets	108,644	532	74,827	109,120	548	77,032	100,151	494	75,045	99,053	473	79,556	100,238	436	81,013
Parkways	14,751	106	9,210	14,418	78	9,251	12,924	89	8,895	12,316	78	8,908	12,406	89	9,099
Thruway	1,485	9	913	1,068	11	663	1,248	9	793	1,058	10	740	1,105	4	756
Other Interstate	11,229	63	6,889	11,824	84	7,423	10,660	62	7,160	9,608	53	7,283	9,703	42	7,383
Unspecified	1,153	0	256	1,070	0	233	943	0	238	850	0	358	680	0	218
	1994			1995			1996			1997			1998		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	178,345	843	135,032	172,966	867	133,150	169,807	760	130,065	173,164	846	128,401	194,069	768	130,720
State Routes	25,949	154	17,954	24,264	154	16,945	24,756	139	17,309	26,000	154	16,402	31,255	136	16,261
County Routes	9,174	71	6,510	8,686	64	6,230	8,891	60	6,356	9,413	74	6,088	11,336	61	6,149
Town Routes	20,088	89	13,409	19,158	107	13,065	18,885	78	12,700	20,696	97	12,319	26,707	99	12,643
Municipal Streets	99,204	335	79,878	97,764	408	80,055	93,876	357	76,939	93,751	377	76,943	98,376	340	78,777
Parkways	12,085	72	8,919	11,288	75	8,459	11,463	75	8,495	11,777	79	8,632	13,530	76	8,664
Thruway	1,251	10	805	1,135	7	773	1,331	5	889	1,225	6	736	1,547	11	699
Other Interstate	9,829	51	7,281	9,983	52	7,379	9,954	46	7,192	9,647	59	7,069	10,525	45	7,290
Unspecified	765	1	276	688	0	244	651	0	185	655	0	212	793	0	237

Source: New York Stat Dept. of Motor Vehicles

TABLE 39

NEW YORK STATE

CRASHES ON ROAD SYSTEM BY JURISDICTION

	1989			1990			1991			1992			1993		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	321,098	2,069	203,189	307,419	2,012	198,312	274,368	1,793	188,986	258,109	1,642	193,067	256,741	1,621	192,277
State Routes	77,084	680	47,067	70,962	666	43,554	61,270	581	40,258	57,993	544	41,154	58,639	536	41,707
County Routes	42,127	348	26,145	38,755	328	24,524	34,883	299	23,189	29,347	231	21,157	21,895	235	15,786
Town Routes	28,640	183	16,580	26,290	171	15,403	22,832	143	14,306	21,811	164	14,840	26,003	188	17,623
Municipal Streets	138,540	613	92,964	137,569	617	94,458	124,854	565	91,469	120,765	527	95,897	121,901	497	96,952
Parkways	14,952	110	9,315	14,620	80	9,358	13,086	90	8,985	12,449	80	8,970	12,548	90	9,183
Thruway	3,359	38	2,012	2,751	43	1,634	2,693	33	1,714	2,375	30	1,629	2,560	23	1,719
Other Interstate	14,460	87	8,670	14,702	107	9,022	13,134	81	8,652	11,946	66	8,859	12,091	52	8,965
Unspecified	1,936	0	436	1,770	0	359	1,616	1	413	1,423	0	561	1,104	0	342
	1994			1995			1996			1997			1998		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	258,612	1,521	191,035	252,663	1,545	188,926	249,911	1,446	185,289	262,965	1,487	182,188	305,827	1,391	181,438
State Routes	59,147	524	41,280	57,184	499	40,151	58,454	496	40,634	63,449	496	39,198	77,406	448	37,526
County Routes	21,566	200	15,384	21,353	214	15,165	21,733	205	15,246	23,941	209	14,726	29,398	217	14,299
Town Routes	27,331	170	18,323	26,730	188	18,153	26,321	158	17,555	29,387	170	17,356	37,274	160	17,222
Municipal Streets	121,776	448	95,967	119,405	476	95,802	114,903	424	92,118	116,777	432	91,326	127,583	403	92,748
Parkways	12,243	73	9,018	11,408	75	8,523	11,608	77	8,574	11,948	81	8,693	13,754	76	8,721
Thruway	2,805	31	1,701	2,774	26	1,725	2,989	19	1,881	3,229	23	1,706	4,075	27	1,649
Other Interstate	12,470	74	8,939	12,695	67	9,039	12,771	67	8,946	13,013	76	8,828	14,767	60	8,830
Unspecified	1,274	1	423	1,114	0	368	1,132	0	335	1,221	0	355	1,570	0	443

Source: New York Stat Dept. of Motor Vehicles

TABLE 40

DOWNSTATE % OF NYS

CRASHES ON ROAD SYSTEM BY JURISDICTION

	1989			1990			1991			1992			1993		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	67.5	56.3	68.2	68.6	58.2	69.7	69.3	57.3	70.3	69.9	58.6	70.5	69.5	56.9	70.6
State Routes	45.0	30.9	43.7	44.7	34.2	43.4	44.9	32.0	43.7	44.5	31.6	43.0	43.6	31.2	42.5
County Routes	61.6	44.5	59.4	62.4	44.2	60.5	62.1	40.1	60.7	56.8	36.8	55.2	42.8	32.8	42.2
Town Routes	65.3	47.0	62.7	66.8	45.0	64.2	65.4	47.6	63.4	69.4	55.5	67.3	74.8	57.4	72.7
Municipal Streets	78.4	86.8	80.5	79.3	88.8	81.6	80.2	87.4	82.0	82.0	89.8	83.0	82.2	87.7	83.6
Parkways	98.7	96.4	98.9	98.6	97.5	98.9	98.8	98.9	99.0	98.9	97.5	99.3	98.9	98.9	99.1
Thruway	44.2	23.7	45.4	38.8	25.6	40.6	46.3	27.3	46.3	44.5	33.3	45.4	43.2	17.4	44.0
Other Interstate	77.7	72.4	79.5	80.4	78.5	82.3	81.2	76.5	82.8	80.4	80.3	82.2	80.2	80.8	82.4
Unspecified	59.6	0.0	58.7	60.5	0.0	64.9	58.4	0.0	57.6	59.7	0.0	63.8	61.6	0.0	63.7
	1994			1995			1996			1997			1998		
	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.	Total	Fatal	Pers Inj.
	Crashes			Crashes			Crashes			Crashes			Crashes		
Total	69.0	55.4	70.7	68.5	56.1	70.5	67.9	52.6	70.2	65.9	56.9	70.5	63.5	55.2	72.0
State Routes	43.9	29.4	43.5	42.4	30.9	42.2	42.4	28.0	42.6	41.0	31.0	41.8	40.4	30.4	43.3
County Routes	42.5	35.5	42.3	40.7	29.9	41.1	40.9	29.3	41.7	39.3	35.4	41.3	38.6	28.1	43.0
Town Routes	73.5	52.4	73.2	71.7	56.9	72.0	71.7	49.4	72.3	70.4	57.1	71.0	71.7	61.9	73.4
Municipal Streets	81.5	88.2	83.2	81.9	85.7	83.6	81.7	84.2	83.5	80.3	87.3	84.3	77.1	84.4	84.9
Parkways	98.7	98.6	98.9	98.9	100.0	99.2	98.8	97.4	99.1	98.6	97.5	99.3	98.4	100.0	99.3
Thruway	44.6	32.3	47.3	40.9	26.9	44.8	44.5	26.3	47.3	37.9	26.1	43.1	38.0	40.7	42.4
Other Interstate	78.8	68.9	81.5	78.6	77.6	81.6	77.9	68.7	80.4	74.1	77.6	80.1	71.3	75.0	82.6
Unspecified	60.0	100.0	65.2	61.8	0.0	66.3	57.5	0.0	55.2	53.6	0.0	59.7	50.5	0.0	53.5

Source: New York Stat Dept. of Motor Vehicles

TABLE 41

TRANSIT ACCIDENTS

Metropolitan Transportation Authority

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
BUS TRANSIT											
MTA/ NEW YORK CITY TRANSIT											
Total Accidents	61	74	69	47	49	63	64	62	46	43	56
Fatalities	8	13	10	5	4	10	3	5	6	5	4
Injuries	240	198	325	233	274	243	282	323	273	208	410
MTA/LONG ISLAND BUS											
Total Accidents	6	6	5	4	4	4	6	1	7	3	9
Fatalities	2	0	1	0	1	0	0	1	0	0	0
Injuries	8	7	0	1	18	18	27	0	29	19	45
TOTAL BUS TRANSIT											
Total Accidents	67	80	74	51	53	67	70	63	53	46	65
Fatalities	10	13	11	5	5	10	3	6	6	5	4
Injuries	248	205	325	234	292	261	309	323	302	227	455
RAIL RAPID TRANSIT											
MTA/ NEW YORK CITY TRANSIT											
Total Accidents	22	26	30	23	21	19	13	12	15	10	10
Fatalities	5	4	7	18	9	3	4	4	3	2	4
Injuries	61	132	240	189	105	103	22	126	62	98	7
MTA/STATEN ISLAND RAILWAY											
Total Accidents	0	1	0	2	0	1	0	1	3	0	1
Fatalities	0	0	0	0	0	0	0	0	0	0	0
Injuries	0	0	0	0	0	2	0	0	0	0	0
TOTAL RAIL RAPID TRANSIT											
Total Accidents	22	27	30	25	21	20	15	13	18	10	11
Fatalities	5	4	7	18	9	3	4	4	3	2	4
Injuries	61	132	240	189	105	105	29	126	62	98	7
SUBURBAN RAIL											
MTA/METRO-NORTH RAILROAD											
Total Accidents	8	1	2	1	2	4	7	4	7	6	7
Fatalities	2	0	0	1	0	0	0	0	1	0	0
Injuries	5	0	0	3	1	2	3	20	0	1	4
MTA/LONG ISLAND RAIL ROAD											
Total Accidents	26	31	13	22	15	18	11	21	26	22	14
Fatalities	4	5	5	4	3	5	3	5	8	4	2
Injuries	31	18	6	12	10	1	6	69	15	2	2
TOTAL SUBURBAN RAIL											
Total Accidents	34	32	15	23	17	22	18	25	33	28	21
Fatalities	6	5	5	5	3	5	3	5	9	4	2
Injuries	36	18	6	15	11	3	9	89	15	3	6
TOTAL TRANSIT ACCIDENTS											
Total Accidents	123	139	119	99	91	109	103	101	104	84	97
Fatalities	21	22	23	28	17	18	10	15	18	11	10
Injuries	345	355	571	438	408	369	347	538	379	328	468

Source: New York State Public Transportation Safety Board.

TABLE 42

TRANSIT ACCIDENTS RATIO**PER MILLION RIDERS**

Metropolitan Transportation Authority

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
BUS TRANSIT											
<i>MTA/ NEW YORK CITY TRANSIT</i>	0.124	0.152	0.148	0.103	0.109	0.141	0.142	0.135	0.094	0.079	0.091
<i>MTA/LONG ISLAND BUS</i>	0.270	0.265	0.226	0.202	0.220	0.216	0.316	0.054	0.273	0.112	0.319
TOTAL BUS TRANSIT	0.130	0.157	0.151	0.107	0.113	0.144	0.149	0.132	0.103	0.081	0.101
RAIL RAPID TRANSIT											
<i>MTA/ NEW YORK CITY TRANSIT</i>	0.020	0.024	0.029	0.023	0.021	0.018	0.012	0.011	0.014	0.009	0.008
<i>MTA/STATEN ISLAND RAILWAY</i>	0.000	0.161	0.000	0.370	0.000	0.196	0.000	0.196	0.600	0.000	0.278
TOTAL RAIL RAPID TRANSIT	0.020	0.025	0.029	0.025	0.021	0.019	0.012	0.012	0.016	0.009	0.009
SUBURBAN RAIL											
<i>MTA/METRO-NORTH RAILROAD</i>	0.147	0.018	0.035	0.018	0.035	0.069	0.116	0.066	0.114	0.096	0.108
<i>MTA/LONG ISLAND RAIL ROAD</i>	0.346	0.411	0.180	0.313	0.214	0.251	0.150	0.285	0.349	0.290	0.174
TOTAL SUBURBAN RAIL	0.262	0.244	0.116	0.182	0.134	0.170	0.135	0.186	0.243	0.202	0.145
TOTAL TRANSIT ACCIDENTS	0.071	0.081	0.072	0.062	0.057	0.067	0.061	0.059	0.059	0.046	0.049

Source: New York State Public Transportation Safety Board.

TABLE 43

TRANSIT ACCIDENTS RATIO PER MILLION VEHICLE MILES TRAVELED

Metropolitan Transportation Authority

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
BUS TRANSIT MTA/ NEW YORK CITY TRANSIT	0.639	0.773	0.748	0.514	0.546	0.711	0.713	0.700	0.482	0.441	0.617
MTA/LONG ISLAND BUS	0.652	0.652	0.538	0.430	0.440	0.440	0.659	0.110	0.686	0.313	0.938
TOTAL BUS TRANSIT	0.640	0.763	0.728	0.506	0.536	0.686	0.709	0.645	0.502	0.429	0.648
RAIL RAPID TRANSIT MTA/ NEW YORK CITY TRANSIT	0.072	0.083	0.097	0.078	0.069	0.064	0.043	0.038	0.049	0.032	0.033
MTA/STATEN ISLAND RAILWAY	0.000	0.476	0.000	0.952	0.000	0.556	0.000	0.556	1.429	0.000	0.476
TOTAL RAIL RAPID TRANSIT	0.071	0.085	0.096	0.084	0.068	0.067	0.043	0.041	0.058	0.031	0.035
SUBURBAN RAIL MTA/METRO-NORTH RAILROAD	0.232	0.029	0.056	0.029	0.054	0.107	0.186	0.106	0.167	0.138	0.155
MTA/LONG ISLAND RAIL ROAD	0.451	0.538	0.229	0.396	0.274	0.330	0.201	0.375	0.476	0.380	0.241
TOTAL SUBURBAN RAIL	0.369	0.346	0.163	0.254	0.186	0.239	0.195	0.267	0.342	0.276	0.203
TOTAL TRANSIT ACCIDENTS	0.243	0.272	0.236	0.203	0.183	0.224	0.209	0.200	0.203	0.160	0.190

Source: New York State Public Transportation Safety Board.

TABLE 16

1990 MOTOR VEHICLE CRASHES

BY AGE OF FEMALE DRIVER

AGE	NY CITY	NY SUBURBS	NY METR. REGION	NY STATE
UNDER 18	612	2,571	3,183	6,063
18 - 20	2,765	6,874	9,639	16,500
21 - 24	4,686	8,230	12,916	20,809
25 - 29	6,498	9,175	15,673	24,543
30 - 39	11,088	14,825	25,913	40,017
40 - 49	7,799	11,680	19,479	28,870
50 - 59	4,128	6,677	10,805	15,957
60 - 64	1,423	2,739	4,162	6,327
65 - 69	1,042	2,050	3,092	5,016
70 - 74	636	1,389	2,025	3,584
75 - 79	361	944	1,305	2,411
80 AND OVER	156	540	696	1,493
UNSPECIFIED AGE	611	329	940	1,205
TOTAL	41,805	68,023	109,828	172,795

BY AGE OF MALE DRIVER

AGE	NY CITY	NY SUBURBS	NY METR. REGION	NY STATE
UNDER 18	1,937	4,180	6,117	10,490
18 - 20	9,034	10,730	19,764	30,276
21 - 24	15,951	12,755	28,706	40,584
25 - 29	23,839	14,946	38,785	52,047
30 - 39	37,945	21,681	59,626	80,019
40 - 49	23,250	14,512	37,762	50,997
50 - 59	13,731	9,489	23,220	31,571
60 - 64	5,028	4,430	9,458	13,076
65 - 69	3,636	3,488	7,124	10,250
70 - 74	2,269	2,399	4,668	7,210
75 - 79	1,385	1,500	2,885	4,614
80 AND OVER	971	1,096	2,067	3,405
UNSPECIFIED AGE	4,872	1,356	6,228	7,081
TOTAL	143,848	102,562	246,410	341,620

Source: New York State Dept. of Motor Vehicles.

TABLE 17

1997 MOTOR VEHICLE CRASHES

BY AGE OF FEMALE DRIVER

AGE	NY CITY	NY SUBURBS	NY METR. REGION	NY STATE
UNDER 18	445	2,397	2,842	6,129
18 - 20	1,974	4,746	6,720	12,577
21 - 24	3,503	5,250	8,753	14,871
25 - 29	5,330	6,815	12,145	19,183
30 - 39	10,589	14,308	24,897	38,692
40 - 49	7,564	11,528	19,092	29,915
50 - 59	4,237	7,211	11,448	17,730
60 - 64	1,086	2,055	3,141	4,937
65 - 69	798	1,880	2,678	4,373
70 - 74	619	1,622	2,241	3,749
75 - 79	421	1,170	1,591	2,913
80 AND OVER	251	837	1,088	2,250
UNSPECIFIED AGE	417	263	680	862
TOTAL	37,234	60,082	97,316	158,181

BY AGE OF MALE DRIVER

AGE	NY CITY	NY SUBURBS	NY METR. REGION	NY STATE
UNDER 18	1,184	3,275	4,459	8,820
18 - 20	5,816	7,184	13,000	21,325
21 - 24	10,246	7,599	17,845	26,033
25 - 29	16,227	9,676	25,903	35,439
30 - 39	33,361	19,660	53,021	71,047
40 - 49	22,962	14,650	37,612	52,153
50 - 59	12,821	9,370	22,191	31,296
60 - 64	3,738	3,194	6,932	9,871
65 - 69	2,520	2,798	5,318	7,998
70 - 74	1,899	2,373	4,272	6,623
75 - 79	1,244	1,696	2,940	4,751
80 AND OVER	915	1,438	2,353	3,930
UNSPECIFIED AGE	2,854	957	3,811	4,508
TOTAL	115,787	83,870	199,657	283,794

Source: New York State Dept. of Motor Vehicles.

TABLE 18

1998 MOTOR VEHICLE CRASHES

BY AGE OF FEMALE DRIVER

AGE	NY CITY	NY SUBURBS	NY METR. REGION	NY STATE
UNDER 18	500	3,037	3,537	7,513
18 - 20	2,066	5,845	7,911	15,318
21 - 24	3,733	6,281	10,014	17,172
25 - 29	5,605	7,692	13,297	21,563
30 - 39	11,157	16,995	28,152	44,205
40 - 49	7,956	13,741	21,697	34,945
50 - 59	4,428	8,961	13,389	21,249
60 - 64	1,218	2,597	3,815	5,946
65 - 69	789	2,204	2,993	4,966
70 - 74	614	2,016	2,630	4,565
75 - 79	416	1,484	1,900	3,559
80 AND OVER	269	1,118	1,387	2,878
UNSPECIFIED AGE	388	306	694	927
TOTAL	39,139	72,277	111,416	184,806

BY AGE OF MALE DRIVER

AGE	NY CITY	NY SUBURBS	NY METR. REGION	NY STATE
UNDER 18	1,243	4,264	5,507	11,095
18 - 20	6,216	9,206	15,422	26,447
21 - 24	11,071	9,455	20,526	30,818
25 - 29	16,234	11,221	27,455	38,710
30 - 39	33,908	23,557	57,465	79,202
40 - 49	24,075	18,033	42,108	60,214
50 - 59	13,465	11,905	25,370	36,888
60 - 64	4,034	3,824	7,858	11,553
65 - 69	2,514	3,195	5,709	8,787
70 - 74	1,928	2,619	4,547	7,517
75 - 79	1,208	2,047	3,255	5,418
80 AND OVER	996	1,760	2,756	4,775
UNSPECIFIED AGE	2,637	1,312	3,949	4,899
TOTAL	119,529	102,398	221,927	326,323

Source: New York State Dept. of Motor Vehicles.

TABLE 44

LONG ISLAND RAIL ROAD ACCIDENTS BY CRITERIA AND TYPE

Metropolitan Transportation Authority

ACCIDENT CRITERIA AND TYPE		1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
COLLISION	TOTAL	1	2	1	1	1	4	5	3	4	3	0
	Track Maintenance Deficiency											
	Track Component Deficiency				1							
	Equipment Maintenance Deficiency											
	Equipment Component Failure					1						
	Human Factor/Improper Operation of Equipment	1	2	1			1		2	2	1	
	Human Factor/Improper Procedure Used						1					
	Hit Material on Track						1	3	1		1	
	Undetermined									2		
	Loss of Power											
	Fire/Smoke											
	Fell from Train											
	Ignored Warning Devices											
	Unsafe Actions						1	2			1	
	Mechanical Failure with Other Vehicle											
	Suicide											
	Drag Related Injury/Fatality											
	Non-Passenger Fatality											
	Other (None of the above)											
GRADE CROSSING	TOTAL	20	19	8	17	9	10	3	11	11	4	7
	Track Maintenance Deficiency											
	Track Component Deficiency											
	Equipment Maintenance Deficiency											
	Equipment Component Failure				1							
	Human Factor/Improper Operation of Equipment		1		1							
	Human Factor/Improper Procedure Used		1									
	Hit Material on Track	1			1				1			
	Undetermined											
	Loss of Power											
	Fire/Smoke											
	Fell from Train											
	Ignored Warning Devices	8	14	7	8	6	5	2	5	5	3	4
	Unsafe Actions	8	3	1	4	1	4	1	5	4	1	2
	Mechanical Failure with Other Vehicle	3			2	2	1			2		1
	Suicide											
	Drag Related Injury/Fatality											
	Non-Passenger Fatality											
	Other (None of the above)											
DERAILMENT	TOTAL	4	10	3	3	4	3	1	4	4	11	4
	Track Maintenance Deficiency		1					1	2		1	1
	Track Component Deficiency	1	1			2					5	3
	Equipment Maintenance Deficiency	1										
	Equipment Component Failure	1	1	1	1						1	
	Human Factor/Improper Operation of Equipment	1	1	2	1		2		2		1	
	Human Factor/Improper Procedure Used		2			1	1			2	1	
	Hit Material on Track		2		1	1				2	1	
	Undetermined		1									
	Loss of Power											
	Fire/Smoke											
	Fell from Train											
	Ignored Warning Devices											
	Unsafe Actions		1								1	
	Mechanical Failure with Other Vehicle											
	Suicide											
	Drag Related Injury/Fatality											
	Non-Passenger Fatality											
	Other (None of the above)											

Source: New York State Public Transportation Safety Board

TABLE 44 (Continued)

LONG ISLAND RAIL ROAD ACCIDENTS BY CRITERIA AND TYPE

Metropolitan Transportation Authority

ACCIDENT CRITERIA AND TYPE		1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
EVACUATION	TOTAL	1	0	1	1	1	1	2	2	4	3	3
	Track Maintenance Deficiency											
	Track Component Deficiency											
	Equipment Maintenance Deficiency											
	Equipment Component Failure					1	1	1			1	
	Human Factor/Improper Operation of Equipment											1
	Human Factor/Improper Procedure Used											
	Hit Material on Track	1		1	1							
	Undetermined											
	Loss of Power								1			
	Fire/Smoke											2
	Fell from Train											
	Ignored Warning Devices											
	Unsafe Actions							1			1	
	Mechanical Failure with Other Vehicle											
	Suicide											
	Drag Related Injury/Fatality									1		
MULTIPLE INJURY	TOTAL	0	0	0	0	0	0	0	1	3	0	0
	Track Maintenance Deficiency											
	Track Component Deficiency											
	Equipment Maintenance Deficiency											
	Equipment Component Failure											
	Human Factor/Improper Operation of Equipment											
	Human Factor/Improper Procedure Used											
	Hit Material on Track											
	Undetermined											
	Loss of Power											
	Fire/Smoke								1	3		
	Fell from Train											
	Ignored Warning Devices											
	Unsafe Actions											
	Mechanical Failure with Other Vehicle											
	Suicide											
	Drag Related Injury/Fatality											
PASSENGER FATALITY	TOTAL	0	0	0	0	0	0	0	0	0	0	0
	Track Maintenance Deficiency											
	Track Component Deficiency											
	Equipment Maintenance Deficiency											
	Equipment Component Failure											
	Human Factor/Improper Operation of Equipment											
	Human Factor/Improper Procedure Used											
	Hit Material on Track											
	Undetermined											
	Loss of Power											
	Fire/Smoke											
	Fell from Train											
	Ignored Warning Devices											
	Unsafe Actions											
	Mechanical Failure with Other Vehicle											
	Suicide											
	Drag Related Injury/Fatality											
	Non-Passenger Fatality											
	Other (None of the above)											
TOTAL NUMBER OF ACCIDENTS		26	31	13	22	15	18	11	21	26	21	14

Source: New York State Public Transportation Safety Board

TABLE 45

NEW YORK CITY SUBWAY

Metropolitan Transportation Authority

ACCIDENT CRITERIA AND TYPE

1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998

COLLISION

TOTAL

2 7 5 5 6 9 4 4 6 3 3

Track Maintenance Deficiency

Track Component Deficiency

Equipment Maintenance Deficiency

Equipment Component Failure

Human Factor/Improper Operation of Equipment

Human Factor/Improper Procedure Used

Hit Material on Track

Undetermined

Loss of Power

Fire/Smoke

Fell from Train

Ignored Warning Devices

Unsafe Actions

Mechanical Failure with Other Vehicle

Suicide

Drag Related Injury/Fatality

Non-Passenger Fatality

Other (None of the above)

TOTAL

0 0 0 0 0 0 0 0 0 0 0

Track Maintenance Deficiency

Track Component Deficiency

Equipment Maintenance Deficiency

Equipment Component Failure

Human Factor/Improper Operation of Equipment

Human Factor/Improper Procedure Used

Hit Material on Track

Undetermined

Loss of Power

Fire/Smoke

Fell from Train

Ignored Warning Devices

Unsafe Actions

Mechanical Failure with Other Vehicle

Suicide

Drag Related Injury/Fatality

Non-Passenger Fatality

Other (None of the above)

TOTAL

10 5 10 2 1 2 3 1 3 2 1

Track Maintenance Deficiency

Track Component Deficiency

Equipment Maintenance Deficiency

Equipment Component Failure

Human Factor/Improper Operation of Equipment

Human Factor/Improper Procedure Used

Hit Material on Track

Undetermined

Loss of Power

Fire/Smoke

Fell from Train

Ignored Warning Devices

Unsafe Actions

Mechanical Failure with Other Vehicle

Suicide

Drag Related Injury/Fatality

Non-Passenger Fatality

Other (None of the above)

DERAILMENT

GRADE CROSSING

TABLE 45 (Continued)

NEW YORK CITY SUBWAY

Metropolitan Transportation Authority

ACCIDENT CRITERIA AND TYPE		1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
EVACUATION	TOTAL	1	6	3	2	2	4	1	3	2	2	1
	Track Maintenance Deficiency						1					
	Track Component Deficiency		1					1				
	Equipment Maintenance Deficiency											
	Equipment Component Failure		1			1						
	Human Factor/Improper Operation of Equipment											
	Human Factor/Improper Procedure Used			1								
	Hit Material on Track		2		1	1					1	
	Undetermined											
	Loss of Power		1				2					1
	Fire/Smoke	1	1	1					2	2		
	Fell from Train											
	Ignored Warning Devices											
	Unsafe Actions			1	1		1				1	
	Mechanical Failure with Other Vehicle											
	Suicide											
	Drag Related Injury/Fatality											
	Non-Passenger Fatality								1			
	Other (None of the above)											
MULTIPLE INJURY	TOTAL	4	4	7	2	3	2	1	3	1	1	1
	Track Maintenance Deficiency											
	Track Component Deficiency	1				2						
	Equipment Maintenance Deficiency											
	Equipment Component Failure	1		2			1		1			
	Human Factor/Improper Operation of Equipment						1		1			1
	Human Factor/Improper Procedure Used								1			
	Hit Material on Track		1	1								
	Undetermined		1									
	Loss of Power											
	Fire/Smoke	1		4	1	1		1			1	
	Fell from Train											
	Ignored Warning Devices											
	Unsafe Actions	1	2									
	Mechanical Failure with Other Vehicle											
	Suicide											
	Drag Related Injury/Fatality				1					1		
	Non-Passenger Fatality											
	Other (None of the above)											
PASSENGER FATALITY	TOTAL	5	4	5	12	9	2	4	4	3	2	4
	Track Maintenance Deficiency											
	Track Component Deficiency											
	Equipment Maintenance Deficiency											
	Equipment Component Failure											
	Human Factor/Improper Operation of Equipment								1			
	Human Factor/Improper Procedure Used						1		1			
	Hit Material on Track											
	Undetermined											
	Loss of Power											
	Fire/Smoke											
	Fell from Train	4	4	4	7		1	3	1	3	1	3
	Ignored Warning Devices											
	Unsafe Actions			1	5	8	1	1			1	1
	Mechanical Failure with Other Vehicle											
	Suicide											
	Drag Related Injury/Fatality	1										
	Non-Passenger Fatality								1			
	Other (None of the above)											
TOTAL NUMBER OF ACCIDENTS		22	26	30	23	21	19	13	12	15	10	10

Source: New York State Public Transportation Safety Board

TABLE 46

METRO-NORTH RAILROAD
Metropolitan Transportation Authority

ACCIDENT CRITERIA AND TYPE		1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
COLLISION	TOTAL	1	0	0	0	1	2	5	0	1	1	3
	Track Maintenance Deficiency											
	Track Component Deficiency											
	Equipment Maintenance Deficiency											
	Equipment Component Failure							1				
	Human Factor/Improper Operation of Equipment	1				1	1			1		1
	Human Factor/Improper Procedure Used							1				
	Hit Material on Track						1	2				1
	Undetermined											
	Loss of Power											
	Fire/Smoke											
	Fell from Train											
	Ignored Warning Devices											
	Unsafe Actions							1			1	
	Mechanical Failure with Other Vehicle											
	Suicide											
	Drag Related Injury/Fatality											
	Non-Passenger Fatality											
	Other (None of the above)											1
GRADE CROSSING	TOTAL	1	2	1	0	1	2	2	2	3	2	3
	Track Maintenance Deficiency											
	Track Component Deficiency											
	Equipment Maintenance Deficiency											
	Equipment Component Failure											
	Human Factor/Improper Operation of Equipment											
	Human Factor/Improper Procedure Used											
	Hit Material on Track		1									
	Undetermined											
	Loss of Power											
	Fire/Smoke											
	Fell from Train											
	Ignored Warning Devices	1	1	1		1		1	2	2	1	2
	Unsafe Actions						1	1		1	1	1
	Mechanical Failure with Other Vehicle						1					
	Suicide											
	Drag Related Injury/Fatality											
	Non-Passenger Fatality											
	Other (None of the above)											
DERAILMENT	TOTAL	5	0	1	0	0	0	0	2	3	3	1
	Track Maintenance Deficiency	2								1		
	Track Component Deficiency										3	
	Equipment Maintenance Deficiency	1										
	Equipment Component Failure	1										
	Human Factor/Improper Operation of Equipment											
	Human Factor/Improper Procedure Used											
	Hit Material on Track	1		1					1	1		1
	Undetermined									1		
	Loss of Power											
	Fire/Smoke											
	Fell from Train											
	Ignored Warning Devices											
	Unsafe Actions								1			
	Mechanical Failure with Other Vehicle											
	Suicide											
	Drag Related Injury/Fatality											
	Non-Passenger Fatality											
	Other (None of the above)											

Source: New York State Public Transportation Safety Board

TABLE 46 (Continued)

METRO-NORTH RAILROAD
Metropolitan Transportation Authority

ACCIDENT CRITERIA AND TYPE		1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
EVACUATION	TOTAL	0	0	0	0	0	0	0	0	0	0	0
	Track Maintenance Deficiency											
	Track Component Deficiency											
	Equipment Maintenance Deficiency											
	Equipment Component Failure											
	Human Factor/Improper Operation of Equipment											
	Human Factor/Improper Procedure Used											
	Hit Material on Track											
	Undetermined											
	Loss of Power											
	Fire/Smoke											
	Fell from Train											
	Ignored Warning Devices											
	Unsafe Actions											
	Mechanical Failure with Other Vehicle											
	Suicide											
	Drag Related Injury/Fatality											
	Non-Passenger Fatality											
	Other (None of the above)											
MULTIPLE INJURY	TOTAL	0	0	0	1	0	0	0	0	0	0	0
	Track Maintenance Deficiency											
	Track Component Deficiency											
	Equipment Maintenance Deficiency											
	Equipment Component Failure											
	Human Factor/Improper Operation of Equipment											
	Human Factor/Improper Procedure Used											
	Hit Material on Track				1							
	Undetermined											
	Loss of Power											
	Fire/Smoke											
	Fell from Train											
	Ignored Warning Devices											
	Unsafe Actions											
	Mechanical Failure with Other Vehicle											
	Suicide											
	Drag Related Injury/Fatality											
	Non-Passenger Fatality											
	Other (None of the above)											
PASSENGER FATALITY	TOTAL	1	0	0	0	0	0	0	0	0	0	0
	Track Maintenance Deficiency											
	Track Component Deficiency											
	Equipment Maintenance Deficiency											
	Equipment Component Failure											
	Human Factor/Improper Operation of Equipment											
	Human Factor/Improper Procedure Used											
	Hit Material on Track											
	Undetermined											
	Loss of Power											
	Fire/Smoke											
	Fell from Train											
	Ignored Warning Devices											
	Unsafe Actions	1										
	Mechanical Failure with Other Vehicle											
	Suicide											
	Drag Related Injury/Fatality											
	Non-Passenger Fatality											
	Other (None of the above)											
TOTAL NUMBER OF ACCIDENTS		8	2	2	1	2	4	7	4	7	6	7

Source: New York State Public Transportation Safety Board

TABLE 47

STATEN ISLAND RAILWAY
Metropolitan Transportation Authority

ACCIDENT CRITERIA AND TYPE		1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
COLLISION	TOTAL	0	0	0	1	0	1	0	1	2	0	0
	Track Maintenance Deficiency											
	Track Component Deficiency											
	Equipment Maintenance Deficiency											
	Equipment Component Failure											
	Human Factor/Improper Operation of Equipment						1		1	2		
	Human Factor/Improper Procedure Used											
	Hit Material on Track				1							
	Undetermined											
	Loss of Power											
	Fire/Smoke											
	Fell from Train											
	Ignored Warning Devices											
	Unsafe Actions											
	Mechanical Failure with Other Vehicle											
	Suicide											
	Drag Related Injury/Fatality											
	Non-Passenger Fatality											
	Other (None of the above)											
GRADE CROSSING	TOTAL	0	0	0	0	0	0	0	0	0	0	0
	Track Maintenance Deficiency											
	Track Component Deficiency											
	Equipment Maintenance Deficiency											
	Equipment Component Failure											
	Human Factor/Improper Operation of Equipment											
	Human Factor/Improper Procedure Used											
	Hit Material on Track											
	Undetermined											
	Loss of Power											
	Fire/Smoke											
	Fell from Train											
	Ignored Warning Devices											
	Unsafe Actions											
	Mechanical Failure with Other Vehicle											
	Suicide											
	Drag Related Injury/Fatality											
	Non-Passenger Fatality											
	Other (None of the above)											
DERAILMENT	TOTAL	0	1	0	1	0	0	0	0	1	0	1
	Track Maintenance Deficiency											
	Track Component Deficiency											
	Equipment Maintenance Deficiency											1
	Equipment Component Failure											
	Human Factor/Improper Operation of Equipment									1		
	Human Factor/Improper Procedure Used		1		1							
	Hit Material on Track											
	Undetermined											
	Loss of Power											
	Fire/Smoke											
	Fell from Train											
	Ignored Warning Devices											
	Unsafe Actions											
	Mechanical Failure with Other Vehicle											
	Suicide											
	Drag Related Injury/Fatality											
	Non-Passenger Fatality											
	Other (None of the above)											

Source: New York State Public Transportation Safety Board

TABLE 47 (Continued)

STATEN ISLAND RAILWAY
Metropolitan Transportation Authority

ACCIDENT CRITERIA AND TYPE		1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
EVACUATION	TOTAL	0	0	0	0	0	0	0	0	0	0	0
	Track Maintenance Deficiency											
	Track Component Deficiency											
	Equipment Maintenance Deficiency											
	Equipment Component Failure											
	Human Factor/Improper Operation of Equipment											
	Human Factor/Improper Procedure Used											
	Hit Material on Track											
	Undetermined											
	Loss of Power											
	Fire/Smoke											
	Fell from Train											
	Ignored Warning Devices											
	Unsafe Actions											
	Mechanical Failure with Other Vehicle											
	Suicide											
	Drag Related Injury/Fatality											
	Non-Passenger Fatality											
	Other (None of the above)											
MULTIPLE INJURY	TOTAL	0	0	0	0	0	0	0	0	0	0	0
	Track Maintenance Deficiency											
	Track Component Deficiency											
	Equipment Maintenance Deficiency											
	Equipment Component Failure											
	Human Factor/Improper Operation of Equipment											
	Human Factor/Improper Procedure Used											
	Hit Material on Track											
	Undetermined											
	Loss of Power											
	Fire/Smoke											
	Fell from Train											
	Ignored Warning Devices											
	Unsafe Actions											
	Mechanical Failure with Other Vehicle											
	Suicide											
	Drag Related Injury/Fatality											
	Non-Passenger Fatality											
	Other (None of the above)											
PASSENGER FATALITY	TOTAL	0	0	0	0	0	0	0	0	0	0	0
	Track Maintenance Deficiency											
	Track Component Deficiency											
	Equipment Maintenance Deficiency											
	Equipment Component Failure											
	Human Factor/Improper Operation of Equipment											
	Human Factor/Improper Procedure Used											
	Hit Material on Track											
	Undetermined											
	Loss of Power											
	Fire/Smoke											
	Fell from Train											
	Ignored Warning Devices											
	Unsafe Actions											
	Mechanical Failure with Other Vehicle											
	Suicide											
	Drag Related Injury/Fatality											
	Non-Passenger Fatality											
	Other (None of the above)											
TOTAL NUMBER OF ACCIDENTS		0	1	0	2	0	1	0	1	3	0	1

Source: New York State Public Transportation Safety Board

TABLE 48

NEW YORK CITY BUS
Metropolitan Transportation Authority

ACCIDENT CRITERIA AND TYPE		1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
FATALITY	TOTAL	5	12	6	3	4	10	3	5	6	5	3
	Bicycle	1	2		1	1	1	1		1	1	
	Door Interlock											
	Enter/Leave Bus Stop	1										
	Fire											
	Head On		1				1					1
	Hit Other In Rear		1									
	Hit Stationary Object											
	Other Vehicle Hit Bus In Rear		1			1	1				1	
	Intersection	1		3		2	1		1	1	1	
	Out of Control										2	
	Passenger on Board											
	Pedestrian at Mid-Block	2	2				1		1	1		2
	Pedestrian at Intersection		3	2			4	2	3	2		
	Passenger Boarding/Exiting						1					
	Roll Away Unattended											
	Sideswipe											
	Wheel off											
	Motorcycle			1	1							
	Miscellaneous		2		1					1		
MULTIPLE INJURY	TOTAL	32	21	32	24	23	27	36	43	27	30	42
	Bicycle										1	
	Door Interlock			1								
	Enter/Leave Bus Stop			1	1				1	2	2	1
	Fire							1				
	Head On	1	1			1			2	2		2
	Hit Other In Rear	7	3	2	1	5	2	4	7	5	3	5
	Hit Stationary Object	4		3				3	2		2	
	Other Vehicle Hit Bus In Rear	3	2	2	3	3	3	5	4	3	5	4
	Intersection	10	10	16	13	10	13	11	15	8	13	22
	Out of Control			1	1	2	2	1	4	1		1
	Passenger on Board	2	2	3	2		1	4	1	1	2	1
	Pedestrian at Mid-Block				1			1				
	Pedestrian at Intersection						1	1	1			
	Passenger Boarding/Exiting	1										
	Roll Away Unattended						1					1
	Sideswipe	1	2	1			3	5	3	3	2	2
	Wheel off											
	Motorcycle											
	Miscellaneous	3	1	2	2	2	1		3	2		3
MECHANICAL FAILURE	TOTAL	24	41	31	20	22	26	25	14	13	8	8
	Bicycle	1										
	Door Interlock	3	6	5	4	2	4	3	3		1	
	Enter/Leave Bus Stop	2	1									
	Fire	6	5	2	3	3	11	10	5	3	3	4
	Head On						1					
	Hit Other In Rear	3	10	9	4	2		2		1		
	Hit Stationary Object	2	7	3	3	1		1		1	1	1
	Other Vehicle Hit Bus In Rear					1		1				
	Intersection	1	1			1			1			
	Out of Control	1		1		1	2	1	1			
	Passenger on Board	2	4	2	2	4	3	1	2	3	1	1
	Pedestrian at Mid-Block					1						
	Pedestrian at Intersection											
	Passenger Boarding/Exiting		2	2	1	2		3	1	3		1
	Roll Away Unattended		2	4	1	1	2	1	1		1	
	Sideswipe		1			1		1				
	Wheel off	2		2	1	1	1					
	Motorcycle	1										
	Miscellaneous		2		1	1	1	1		2	1	1
TOTAL NUMBER OF ACCIDENTS		61	74	69	47	49	63	64	62	46	43	53

Source: New York State Public Transportation Safety Board

TABLE 49

LONG ISLAND BUS
Metropolitan Transportation Authority

ACCIDENT CRITERIA AND TYPE		1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
FATALITY	TOTAL	2	0	1	0	1	0	0	0	0	0	0
	Bicycle											
	Door Interlock											
	Enter/Leave Bus Stop											
	Fire											
	Head On											
	Hit Other In Rear											
	Hit Stationary Objec											
	Other Vehicle Hit Bus In Rear	1				1						
	Intersection											
	Out of Control											
	Passenger on Board											
	Pedestrian at Mid-Block	1										
	Pedestrian at Intersection			1								
	Passenger Boarding/Exiting											
	Roll Away Unattended											
	Sideswipe											
	Wheel off											
	Motorcycle											
	Miscellaneous											
MULTIPLE INJURY	TOTAL	1	1	0	0	1	2	5	4	5	3	6
	Bicycle											
	Door Interlock											
	Enter/Leave Bus Stop											
	Fire											
	Head On							1				
	Hit Other In Rear					1				2	1	
	Hit Stationary Objec											
	Other Vehicle Hit Bus In Rear	1	1				2	1	2	3		1
	Intersection							2	1		2	5
	Out of Control											
	Passenger on Board							1				
	Pedestrian at Mid-Block											
	Pedestrian at Intersection											
	Passenger Boarding/Exiting											
	Roll Away Unattended											
	Sideswipe											
	Wheel off											
	Motorcycle											
	Miscellaneous								1			
MECHANICAL FAILURE	TOTAL	3	5	4	4	2	2	1	0	2	0	3
	Bicycle											
	Door Interlock					1	1					
	Enter/Leave Bus Stop											
	Fire		1	2			1			1		2
	Head On											
	Hit Other In Rear	1	2	2	3	1						
	Hit Stationary Object											1
	Other Vehicle Hit Bus In Rear							1				
	Intersection											
	Out of Control											
	Passenger on Board											
	Pedestrian at Mid-Block											
	Pedestrian at Intersection											
	Passenger Boarding/Exiting											
	Roll Away Unattended											
	Sideswipe											
	Wheel off				1							
	Motorcycle											
	Miscellaneous	2	2							1		
TOTAL NUMBER OF ACCIDENTS		6	6	5	4	4	4	6	4	7	3	9

Source: New York State Public Transportation Safety Board