

NEW YORK METROPOLITAN TRANSPORTATION COUNCIL



TRANSPORTATION

SAFETY



2001



REPORT

January 2005



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NYMTC appreciates the cooperation of all the agencies that have provided information for the **2001 Transportation Safety Report**. Through their submissions, this report continues to be a useful source of transportation statistical information on the NYMTC region and environs.

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NEW YORK METROPOLITAN CATEGORICAL RANKINGS

2001 MOTOR VEHICLE CRASH DATA

	MOTOR VEHICLE CRASHES			MOTOR VEHICLE CRASHES			MOTOR VEHICLE CRASHES			MOTOR VEHICLE CRASHES			MOTOR VEHICLE CRASHES			MOTOR VEHICLE CRASHES			MOTOR VEHICLE CRASHES		
	Total Number			Resulting in Fatality			Resulting in Injury			Resulting in Property Damage			by Contributing Human Factors			by Contributing Vehicular Factors					
1	Queens	33,574	1	Suffolk	164	1	Kings	25,229	1	Nassau	15,676	1	Nassau	24,063	1	Kings	1,660				
2	Kings	33,370	2	Kings	111	2	Queens	23,456	2	Suffolk	15,299	2	Kings	22,701	2	Queens	1,385				
3	Nassau	32,297	3	Queens	104	3	Nassau	16,528	3	Queens	10,014	3	Suffolk	22,058	3	New York	786				
4	Suffolk	30,518	4	Nassau	93	4	Suffolk	15,055	4	Westchester	8,879	4	Queens	18,926	4	Suffolk	760				
5	New York	21,646	5	Bronx	55	5	New York	14,058	5	Kings	8,030	5	New York	13,957	5	Bronx	660				
6	Bronx	17,864	6	New York	55	6	Bronx	12,447	6	New York	7,533	6	Bronx	10,286	6	Nassau	649				
7	Westchester	17,359	7	Westchester	54	7	Westchester	8,426	7	Bronx	5,362	7	Westchester	9,187	7	Westchester	519				
8	Orange	8,183	8	Dutchess	39	8	Richmond	3,976	8	Orange	4,623	8	Orange	5,351	8	Orange	259				
9	Richmond	6,183	9	Orange	36	9	Orange	3,524	9	Dutchess	3,243	9	Rockland	4,381	9	Richmond	232				
10	Rockland	6,069	10	Richmond	27	10	Rockland	2,990	10	Rockland	3,059	10	Dutchess	3,779	10	Rockland	193				
11	Dutchess	5,921	11	Rockland	20	11	Dutchess	2,639	11	Richmond	2,180	11	Richmond	3,688	11	Dutchess	163				
12	Putnam	2,344	12	Putnam	10	12	Putnam	950	12	Putnam	1,384	12	Putnam	1,568	12	Putnam	63				
Total		215,328	Total		768	Total		129,278	Total		85,282	Total		139,945	Total		7,329				

II:

	CRASHES BY CONTRIBUTING			VEHICLES INVOLVED			VEHICLES INVOLVED			VEHICLES INVOLVED			VEHICLES INVOLVED			MALE DRIVERS					
	Environmental Factors			In All Types of Crashes			In Crashes Resulting in Fatality			In Crashes Resulting in Injury			in Crashes Resulting in Prop. Damage			Involved in Motor Vehicle Crashes					
1	Suffolk	4,392	1	Queens	67,014	1	Suffolk	262	1	Kings	48,208	1	Nassau	31,283	1	Queens	40,618				
2	Nassau	3,723	2	Kings	64,904	2	Kings	165	2	Queens	46,275	2	Suffolk	29,588	2	Kings	40,410				
3	Kings	2,595	3	Nassau	64,479	3	Nassau	160	3	Nassau	33,036	3	Queens	20,581	3	Nassau	33,449				
4	Queens	2,438	4	Suffolk	59,139	4	Queens	158	4	Suffolk	29,289	4	Kings	16,531	4	Suffolk	30,841				
5	Westchster	2,400	5	New York	40,088	5	Bronx	89	5	New York	24,797	5	Westchester	16,382	5	New York	27,497				
6	Orange	2,095	6	Bronx	34,756	6	Westchester	81	6	Bronx	23,766	6	New York	15,217	6	Bronx	21,596				
7	Dutchess	1,462	7	Westchester	32,351	7	New York	74	7	Westchester	15,888	7	Bronx	10,901	7	Westchester	16,692				
8	Bronx	1,294	8	Orange	13,765	8	Dutchess	64	8	Richmond	7,778	8	Orange	7,442	8	Orange	7,288				
9	New York	1,263	9	Richmond	12,219	9	Orange	55	9	Orange	6,268	9	Rockland	5,675	9	Richmond	6,549				
10	Rockland	1,109	10	Rockland	11,519	10	Richmond	45	10	Rockland	5,814	10	Dutchess	5,120	10	Rockland	6,408				
11	Putnam	683	11	Dutchess	9,987	11	Rockland	30	11	Dutchess	4,803	11	Richmond	4,396	11	Dutchess	5,319				
12	Richmond	641	12	Putnam	3,905	12	Putnam	11	12	Putnam	1,654	12	Putnam	2,240	12	Putnam	2,239				
Total		24,095	Total		414,126	Total		1,194	Total		247,576	Total		165,356	Total		238,906				

TABLE A (page 2)
NEW YORK METROPOLITAN CATEGORICAL RANKINGS
2001 MOTOR VEHICLE CRASH DATA

	FEMALE DRIVERS			VEHICULAR/PEDESTRIAN			VEHICULAR/PEDESTRIAN			TOTAL PEDESTRIAN			TOTAL BICYCLIST			CRASHES BY			CRASHES BY	
	Involved In			Crashes at Intersection			Crashes Not			Fatalities			Killed or Injured			Contributing Alcohol			Contributing Alcohol	
	Motor Vehicle Crashes						at Intersection									Involvement #s			Involvement % *	
1	Nassau	23,399	1	Kings	2,837	1	Kings	1,285	1	Kings	59	1	Kings	1,341	1	Suffolk	766	1	Dutchess	4.1
2	Suffolk	21,569	2	New York	2,325	2	New York	1,061	2	Queens	45	2	New York	1,140	2	Nassau	590	2	Orange	3.6
3	Queens	15,923	3	Queens	1,744	3	Queens	865	3	New York	39	3	Queens	705	3	Westchster	432	3	Putnam	3.4
4	Kings	12,966	4	Bronx	1,268	4	Bronx	699	4	Nassau	34	4	Nassau	577	4	Kings	344	4	Rockland	3.1
5	Westchester	11,404	5	Nassau	519	5	Nassau	445	5	Suffolk	30	5	Suffolk	520	5	Queens	316	5	Westchester	2.9
6	Bronx	7,271	6	Westchester	344	6	Suffolk	304	6	Bronx	29	6	Bronx	433	6	Orange	279	6	Suffolk	2.7
7	New York	5,796	7	Suffolk	276	7	Westchester	281	7	Richmond	14	7	Westchester	176	7	New York	225	7	Nassau	2
8	Orange	5,181	8	Richmond	235	8	Richmond	136	8	Westchester	9	8	Richmond	82	8	Dutchess	218	8	Richmond	1.3
9	Rockland	4,131	9	Rockland	52	9	Rockland	95	9	Rockland	3	9	Orange	78	9	Bronx	189	9	Bronx	1.2
10	Richmond	3,926	10	Orange	48	10	Orange	68	10	Orange	3	10	Dutchess	51	10	Rockland	175	10	Kings	1.1
11	Dutchess	3,783	11	Dutchess	27	11	Dutchess	42	11	Dutchess	2	11	Rockland	51	11	Richmond	74	11	New York	1.1
12	Putnam	1,381	12	Putnam	11	12	Putnam	18	12	Putnam	2	12	Putnam	14	12	Putnam	73	12	Queens	1
Total	Total	116,730	Total	Total	9,686	Total	Total	5,299	Total	Total	269	Total	Total	5,168	Total	Total	3,681			

* Percent of Police-Reported Crashes

TABLE B
NYMTC REGIONAL RECAPITULATION

	1999	2000	2001	1999/2000 (%)	2000/2001 (%)
MOTOR VEHICLE CRASHES					
TOTAL NUMBER OF MOTOR VEHICLE CRASHES	224,555	243,828	215,328	8.6	-11.7
CRASHES RESULTING IN FATALITY	808	736	768	-8.9	4.3
CRASHES RESULTING IN INJURY	130,757	135,017	129,278	3.3	-4.3
CRASHES RESULTING IN PROPERTY DAMAGE	92,990	108,073	85,282	16.2	-21.1
CRASHES BY CONTRIBUTING HUMAN FACTORS	201,750	221,402	139,945	9.7	-36.8
CRASHES BY CONTRIBUTING VEHICULAR FACTORS	10,184	10,245	7,329	0.6	-28.5
CRASHES BY CONTRIBUTING ENVIRONMENTAL FACTORS	31,533	35,464	24,095	12.5	-32.1
VEHICLES INVOLVED IN ALL TYPES OF CRASHES	431,834	469,497	414,126	8.7	-11.8
VEHICLES INVOLVED IN CRASHES RESULTING IN FATALITY	1,228	1,166	1,194	-5	2.4
VEHICLES INVOLVED IN CRASHES RESULTING IN INJURY	249,938	259,439	247,576	3.8	-4.6
VEHICLES INVOLVED IN CRASHES RESULTING IN PROPERTY DAMAGE	180,666	208,892	165,356	15.6	-20.8
MOTOR VEHICLE CRASHES INVOLVING MALE DRIVERS	257,742	278,404	238,906	8	-14.2
MOTOR VEHICLE CRASHES INVOLVING FEMALE DRIVERS	125,039	134,432	116,730	7.5	-13.2
VEHICULAR/PEDESTRIAN CRASHES AT INTERSECTION	9,811	9,399	9,686	-4.2	3.1
VEHICULAR/PEDESTRIAN CRASHES NOT AT INTERSECTION	5,828	5,611	5,299	-3.7	-5.6
PEDESTRIAN FATALITIES IN VEHICULAR/PEDESTRIAN CRASHES	296	259	269	-12.5	3.9
TOTAL BICYCLISTS KILLED OR INJURED	5,883	5,311	5,168	-9.7	-2.7
BICYCLIST FATALITIES IN VEHICULAR/BICYCLE CRASHES	35	26	29	-25.7	11.5
TRANSIT ACCIDENTS					
TRANSIT ACCIDENTS					
TOTAL	78	81	84	3.8	3.7
FATALITIES	14	12 r	16	-14.3	33.3
INJURIES	425	487	326	14.6	-33.1
RATIO PER MILLION RIDERS	0.037	0.036	0.029	-2.7	-19.4
RATIO PER MILLION VEHICLE MILES TRAVELED	0.149	0.15	0.154	0.7	2.7
BUS TRANSIT ACCIDENTS					
TOTAL	56	53	58	-5.4	9.4
FATALITIES	9	7 r	11	-22.2	57.1
INJURIES	353	366	298	3.7	-18.6
RATIO PER MILLION RIDERS	0.08	0.073	0.061	-8.8	-16.4
RATIO PER MILLION VEHICLE MILES TRAVELED	0.53	0.479	0.522	-9.6	9
RAIL RAPID TRANSIT ACCIDENTS					
TOTAL	13	11	10	-15.4	-9.1
FATALITIES	3	4	0	33.3	-100
INJURIES	69	113	16	63.8	-85.8
RATIO PER MILLION RIDERS	0.01	0.008	0.006	-20	-25
RATIO PER MILLION VEHICLE MILES TRAVELED	0.041	0.034	0.03	-17.1	-11.8
SUBURBAN RAIL ACCIDENTS					
TOTAL	9	17	16	88.9	-5.9
FATALITIES	2	1	5	-50	400
INJURIES	3	8	12	166.7	50
RATIO PER MILLION RIDERS	0.06	0.109	0.092	81.7	-15.6
RATIO PER MILLION VEHICLE MILES TRAVELED	0.086	0.161	0.15	87.2	-6.8

Source: New York State Department of Motor Vehicles

r - Revised

New York State Public Transportation Safety Board

All Values are for Twelve County Downstate Region

Source for 2001: Institute for Traffic Safety Management and Research

INTRODUCTION

The New York Metropolitan Transportation Council (NYMTC) is an association of governments and transportation providers, which serves as the Metropolitan Planning Organization (MPO) for New York City, the Long Island counties of Nassau and Suffolk, and in the lower Hudson Valley counties of Putnam, Rockland and Westchester. In its role as MPO, the Council is mandated to develop and regularly update a Regional Transportation Plan for its area. The current Plan was adopted in July, 2004. A downloadable version of the Plan can be obtained at the web site www.nymtc.org. The Plan identifies nine critical issue areas, as well as goals and objectives for addressing the issues. The Plan's issue areas include specific performance measures to monitor the progress toward achieving the relevant goals and objectives. The safety issue area requires an assessment of crashes on the roadway and transit portions of the transportation system, utilizing designated transportation plan safety performance measures and other indicators. The New York State Department of Motor Vehicles (DMV) provides motor vehicle, bicycle and pedestrian crashes data, and the New York State Public Transportation Safety Board (PTSB) provides transit accident data for the 12 county downstate New York metropolitan area, which includes the 10 counties of the NYMTC region plus Dutchess and Orange counties in the Hudson Valley.

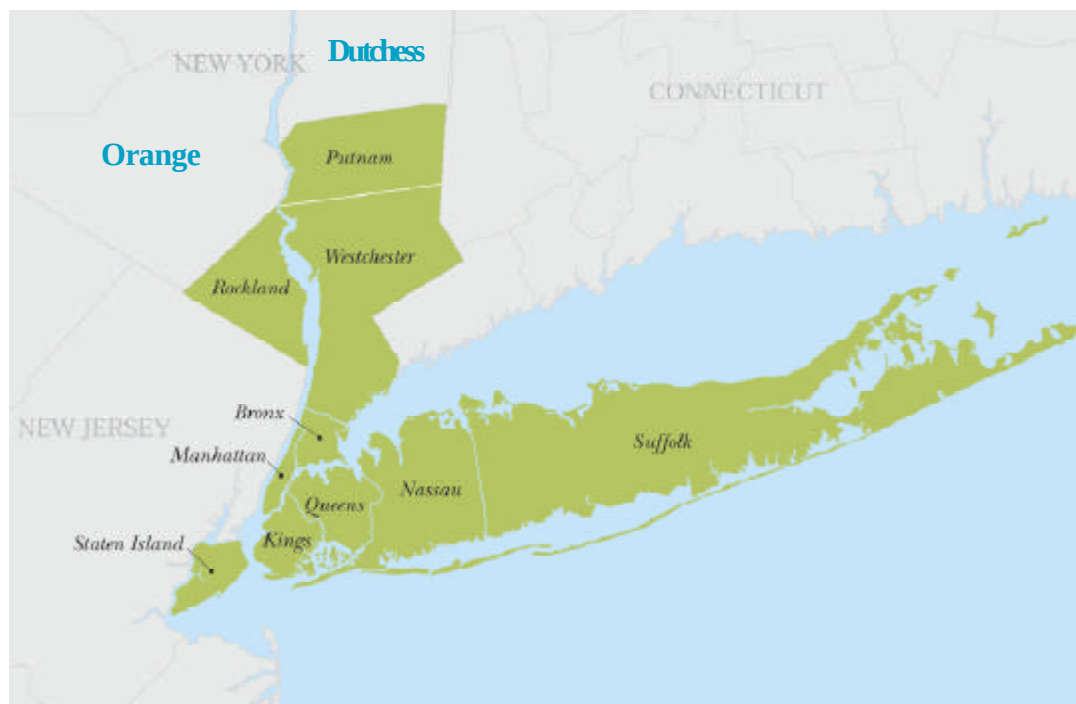
This Transportation Safety Report is a comprehensive publication of transportation crash statistics for the 12 county downstate metropolitan areas and is arranged in three sections:

Part One presents written analyses and comparisons of New York City, New York suburbs and the New York State crash data. An overview of fatalities and nonfatal injuries resulting from vehicular crashes is also included in this section of the report.

Part Two features charts depicting transportation safety data trends.

Part Three displays in tabular form the data from which the presentations in Parts One and Two were derived. These data are presented for the benefit of readers who may want to examine the basic data more closely.

THE NYMTC REGION



PART I

TRANSPORTATION

SAFETY

ANALYSIS and COMPARISONS



1 OVERVIEW

SAFETY ON THE HIGHWAY AND TRANSIT SYSTEMS

Transportation, by its nature, provides enhanced opportunities, but also risks, to those who travel. Safety for motor vehicle, bicycle, pedestrian, and transit travel is the primary concern for operators of transportation facilities. One of the Regional Transportation Plan's goals is to improve the safety and security of the highway and mass transportation systems and to minimize the risk of making trips in the New York metropolitan region. NYMTC is pleased to present the fourth edition of the Transportation Safety Report. This report assesses crash trends between 1991 and 2001 in the following counties: Dutchess, Nassau, Orange, Putnam, Rockland, Suffolk, Westchester, and the City of New York.

The graphs and tables presented in this report contain data on motor vehicle crashes and resulting injuries, fatality data on the road system by jurisdiction, and data on pedestrian fatalities. Table 1 presents total annual motor vehicle crashes for all major vehicle types: Passenger Car, Motorcycle, Bus, Taxi, School Bus, Emergency Vehicle, Truck, Tractor Trailer, Towing Vehicle, and Moped. Table A presents by county, the rankings of different types of motor vehicle crashes which occurred throughout the New York Metropolitan region in 2001. Table B is a Regional Recapitulation for many of the tables in this report. The Recapitulation shows the percent increase or decrease in these categories from 1999 to 2000 and from 2000 to 2001. This report also examines transit accident statistics on the subway, bus and commuter rail systems of the MTA from 1991 through 2001.

An examination of the graphs and tables will show that the number of motor vehicle crashes in the downstate, (New York City plus the suburbs), trended downward between 1991 and 1997, but then increased significantly between 1998 and 2000 with a decrease again in 2001. These increases averaged 15.7 percent in 1999 over 1998 and a further 8.6 percent in 2000 over 1999 and a decrease of 11.7 in 2001 over 2000. The largest increase, 22.6 percent, was experienced in the suburbs from 1997 to 1998, while New York City recorded a 23.2 percent increase in 1999 over 1998. All counties experienced a decrease in crashes in 2001 (Table 1). Due to a reporting and database change, most values for 2001 are considerably lower than 2000.

The MTA rail and bus divisions included in this report are:

MTA New York City Transit Subway

MTA Staten Island Railway

MTA Metro-North Railroad

MTA Long Island Rail Road

MTA New York City Transit Bus

MTA Long Island Bus

The MTA, which accounts for 97 percent of downstate New York transit ridership, has reported an average of 85 accidents per year throughout the 1998-2001 period. There has been an average of 13 fatalities and 427 injuries per year for this 4-year period. (See Table 47)



II MOTOR VEHICLE SAFETY

1. CRASHES RESULTING IN A FATALITY, INJURY OR PROPERTY DAMAGE

Motor vehicle crash data are classified in terms of severity and comprise the following categories: Fatal, Nonfatal Injury, and Property Damage (over \$1,000). During the time period 1998 – 2001, the following changes were observed:

A. Fatal Crashes

- Except for New York and Nassau Counties, all other downstate counties experienced an increase in fatal crashes in 2001 over 2000. There were 768 crashes resulting in a fatality in the downstate (New York City plus the suburbs) in 2001. This is the same number of fatalities reported in 1998 but a 4.4% increase from 2000 to 2001. The number of fatal crashes in the New York suburbs fluctuated from 411 to 436 to 388 and 416 in 1998, 1999, 2000 and 2001, respectively. In New York City the number of fatal crashes went from 357 to 372 to 348 to 352 in 1998, 1999, 2000 and 2001 respectively (Table 2). The fatality rate in the New York metropolitan region for motor vehicle crashes for 2001 was 6.03 per 100,000 population, lower than the 7.0 rate for 1999 and 6.05 in 2000 (Table 3 and Figure 3). It should be noted that the fatality rates were highest in the suburbs and lowest in the City. These rates had almost parallel patterns in the New York metropolitan region, New York City, New York suburbs and New York State during the 1998-2001 time period.



B. Injuries

- Except for Richmond County (Staten Island) with a 4.5% increase, all other downstate counties had a decrease in non-fatal injuries from 2000 to 2001. Vehicle crashes resulting in nonfatal injuries in New York City, the suburbs, the New York metropolitan region (New York plus the suburbs) and New York State were as follows:

Percent of Vehicle Crashes Resulting in Nonfatal Injuries

	1998	1999	2000	2001
New York City	84.5%	69%	66.3%	70.2%
New York Suburbs	50.9%	46.5%	43.7%	48.8%
New York Metropolitan Region(Downstate)	67.4%	58.2%	55.4%	60.0%
New York State	59.3%	51.2%	48.1%	53.9%

There were over 79,000 vehicle crashes resulting in injury in New York City; over 129,000 in the New York metropolitan region; over 50,000 in the suburbs and over 178,000 in the State during 2001. (See Table 4 and Figure 4)

C. Property Damage

According to the New York State Department of Motor Vehicles, The Vehicle and Traffic Law was amended in April, 1997 to provide statutory authority for police officers to report accidents which, in their judgement, appear to meet the reporting criteria for property damage (i.e., damage in excess of \$1,000 to the property of any one individual). Now, accidents are classified as reportable when police check the box that indicates that it meets the

criteria for reporting a property damage accident. As a result, reportable accidents that include a police report and involved only property damage have increased.

- All downstate counties experienced a decrease in accidents with property damage from 2000 to 2001. The decreases ranged from 10.3% (Richmond) to 26.0% (Kings). Approximately 39.6 percent of the total number of crashes in the New York metropolitan region in 2001 resulted in property damage as opposed to 32.2 percent in 1998. In the New York metropolitan region there were over 22,000 more property damage crashes in 2001 than in 1998, an increase of 36.3 percent but there was a decrease of almost 23,000 in 2001 over 2000. An increase of 8.2 percent was noticed in the New York suburbs from 1998 to 2001, while New York City experienced a significant increase of 130.5 percent in property damage crashes in the same time period. Both the City and the suburbs experienced a decline in crashes with property damage from 2000.(See Table 5 and Figure 5)

Percent of Vehicle Crashes Resulting in Property Damage

	1998	1999	2000	2001
New York City	15.1%	30.7%	33.4%	29.4%
New York Suburbs	48.7%	53.1%	55.9%	50.8%
New York Metropolitan Region(Downstate)	32.2%	41.4%	44.3%	39.6%
New York State	40.3%	48.4%	51.5%	45.7%

2. CONTRIBUTING FACTORS: HUMAN, ENVIRONMENTAL AND VEHICULAR

- All counties experienced a large decrease in accidents with human factors from 2000 to 2001. These decreases ranged from 27.8% (Kings) to 45.1% (Bronx). Vehicle crashes caused by human factors accounted for the following percent of crashes in New York City, the suburbs, the New York metropolitan region and New York State during the period 1998-2001:

Percent of Vehicle Crashes Caused by Human Factors

	1998	1999	2000	2001
New York City	85.3%	93.3%	94.6%	61.8%
New York Suburbs	86.8%	85.6%	86.3%	68.5%
New York Metropolitan Region (Down state)	86.1%	89.6%	90.5%	65.0%
New York State	86.5%	87.5%	87.8%	64.9%

- In 2001, human factors contributed to 65.0 percent of all crashes in the New York metropolitan region. The number of crashes resulting from human factors fell from 167,083 in 1998 and 221,402 in 2000 to 139,945 in 2001 (Table 7). The large decrease in crashes in 2001 for human factors is related to the large number of crashes without any factors listed. Driver inattention, failure to yield right of way, following too closely, and unsafe speed accounted for 26.5, 19.7, 17.8, and 9.2 percent, respectively, of all crashes attributed to one of 28 human factors. (See Figure 7) Table 8 shows the impact of alcohol as a human factor in crashes in all twelve counties for the years 1999, 2000 and 2001. This table indicates that more alcohol related accidents, both as a percent of human factor crashes (3.6 percent vs. 1.7 percent) and as a



percent of all crash factors (2.7 percent vs. 1.1 percent), occurred in the suburbs than in New York City.

- Another significant contributor associated with vehicle crashes is the environmental factor or roadway condition. Roadway conditions contributed to 11.2 percent of total crashes in the New York metropolitan region in 2001. Slippery pavements, view obstructed/limited and animals' actions accounted for 55.0, 13.8 and 10.7 percent, respectively, of all crashes attributed to environmental factors. The analysis further shows that the crashes attributed to environmental factors in the New York suburbs are almost twice as great when compared to crashes within New York City in 2001 (65.8 percent vs. 34.2 percent). (See Table 10 and Figure 10 and 11)
- The third highest contributing factor was vehicular conditions, which were responsible for over 3.4 percent of the total crashes in 2001. This factor includes conditions such as defective brakes, tire failure and steering failure. In 2001, vehicular factors were responsible for almost twice as many crashes in New York City as in the suburban counties. The number of crashes attributed to this factor increased 22 percent in New York City from 1998 to 1999 but decreased 3 percent from 1999 to 2000 and decreased 32.5% from 2000 to 2001. In the suburbs this number increased 4.5 percent from 1998 to 1999 and 9.5 percent from 1999 to 2000 but decreased 19.9% from 2000 to 2001. Defective brakes, tire failure, and oversized vehicle accounted for 19.7, 7.7 and 5.9 percent, respectively, of all vehicular crashes attributed to a vehicular factor in 2001. (See Table 9, Figure 8, and Figure 9)

3. CRASHES BETWEEN PEOPLE AND VEHICLES

This section offers statistics about the gender and age of the drivers, pedestrians and bicyclists involved in motor vehicle crashes.

A. Male And Female Drivers Involved in Motor Vehicle Crashes And Their Age

According to the summary of motor vehicle crashes compiled by New York State Department of Motor Vehicles, during the 1998 - 2001 time frame, there were 996,979 and 487,617 male and female drivers involved in motor vehicle crashes, respectively, in the New York metropolitan region. In 2001 many more crashes involving female drivers occurred in the New York suburbs (60.7 percent) than in New York City (39.3%). In contrast, crashes involving male drivers happened more often in the City (57.2 percent) than in the suburbs (42.8%). This trend has been observed since 1990, in both the suburbs and New York City (see Tables 15-16).

In New York City, in 2001, male drivers made up 57.9 percent of the licensed drivers but accounted for 74.9 percent of the accidents. In the suburbs male drivers comprised 50.8 percent of the licensed drivers, but accounted for 59.1 percent of the accidents. This would seem to imply that male drivers have more vehicle crashes as a percent of the driving population in the city than in the suburbs.

In New York City, in 2001, female drivers comprised 42.1 percent of the licensed drivers, but accounted for 25.1 percent of motor vehicle crashes. Female drivers comprised 49.2 percent of the licensed drivers in the suburbs, but accounted for 40.9 percent of motor crashes.

In 2001, people aged 60 and older in the New York metropolitan region were involved in 7.9, 13.1 and 11.1 percent of the accidents in New York City, the suburbs and the New York metropolitan region, respectively. Male drivers in all age categories had more accidents than female drivers and in most age groups, twice as many accidents as female drivers (Figure 24). The age group with the highest percent of accidents was 30-59 for both male and female drivers. Male and female drivers, 30-39 years old had the highest absolute number of vehicle crashes in 1998, 1999, 2000 and 2001 (See below).



Male and Female Drivers Involved in Motor Vehicle Crashes - Age Group 30-39

	Male				Female			
	1998	1999	2000	2001	1998	1999	2000	2001
New York City	33,908	41,653	44,179	37,887	11,157	13,609	14,518	12,881
New York Suburbs	23,557	25,144	26,932	22,647	16,995	17,726	18,994	15,679
New York State	79,202	91,993	97,883	74,060	44,205	49,498	52,999	40,210

B. Vehicular/Pedestrian Crashes At Intersections And Mid-Block Locations

In 2001, 269 pedestrians were killed in almost 15,000 vehicular/pedestrian crashes in the New York metropolitan region, representing 35.0 percent of all traffic fatalities in the region. Although 7.0 percent of the total traffic crashes in the New York metropolitan region were pedestrian crashes, they were more likely to result in serious injury or death. The majority of pedestrian crashes occurred in New York City, accounting for 83.1 percent of all vehicular pedestrian crashes in the New York metropolitan region. The number of pedestrian crashes which occurred at an intersection was much higher than that of pedestrian accidents which occurred mid-block in the New York metropolitan region. This was particularly evident in New York City, where 67.5 percent of all vehicle/pedestrian crashes occurred at an intersection. The number of vehicle/pedestrian crashes at suburban intersections and mid-block locations became relatively even and in 2001 accounted for 16.9 percent of regional vehicle/pedestrian crashes. There were 186 pedestrian fatalities in New York City and 83 in the suburbs in 2001. In 2000 there were 180 pedestrian fatalities in New York City and 110 in the suburbs. This resulted in a 3.3% increase in New York City and 5.1 % in the suburbs. (see Figure 27 and Table 22).



C. Motor Vehicle/Bicycle Crashes

For some people in New York City and the suburban counties, bicycling is a viable transportation option, but for others hesitancy is due to the safety issue. Bicycling with automobile traffic can be dangerous. Despite the relatively small numbers of bicyclists however, many serious bicycle-related injuries do occur in the New York metropolitan region each year.



The 35 bicyclists deaths in 1999 the 26 in 2000 and the 29 in 2001 accounted for 4.3 percent, 3.5 percent and 3.8 percent of all traffic fatalities in the New York metropolitan region, respectively (Table 24). Bicyclist fatalities occurred more frequently in New York City than in the suburbs during the time period 1998-2001 (75 vs. 49). Over 23,000 bicyclists were killed or injured in bicyclist vehicle crashes during the period 1998-2001. However, the number of bicyclists killed or injured has fallen each year from 6,646 in 1998 to 5,883 in 1999 to 5,311 in 2000 to 5,168 in 2001. (See Tables 23-24 and Figures 28-29)

4. CRASHES ON ROAD SYSTEM BY ROADWAY JURISDICTION

Tables 23 to 41 show crashes on the region's road system by jurisdiction and by county for the years 1992 through 2001. The following analysis by road type is based on data from 2001:

State Routes

One hundred fifty-six (156) fatal crashes out of over 31,300 crashes occurred on state routes in the New York suburbs in 2001 vs 145 fatal crashes in almost 37,000 crashes in 2000. Only two fatalities out of 399 crashes took place in New York City on state roads in 2001 vs 1 fatality in 389 crashes in 2000.

County Routes

In 2001, fifty-three fatal crashes out of over 9,300 crashes occurred on county routes in the suburbs vs 66 fatalities in over 12,700 crashes in 2000. During 2001, there were almost 4,700 crashes on county routes in the suburbs that involved personal injury vs almost 6000 in 2000.



Town Routes

Ninety-four fatal crashes out of almost 30,000 crashes occurred on town routes in the suburbs in 2001. This represents a decrease over the 85 fatal accidents in 2000.

Municipal Streets

Two hundred ninety-three (out of over 94,750 crashes) and 42 (out of over 18,200 crashes) fatal crashes occurred in New York City and its suburbs, respectively, on municipally-owned streets vs 280 (out of 94,750 crashes) and 32 (out of over 20,100) crashes in 2000..

Parkways

Over 7,500 vehicle crashes occurred on parkways in New York City in 2001 vs over 8,400 in 2000. This number includes 32 fatal crashes in 2001 and 37 in 2000. In the New York suburbs, 40 fatal crashes out of over 7,200 crashes occurred on parkways in 2001 vs 31 fatalities and over 9,400 crashes in 2000.

Thruway

This roadway had the lowest number of vehicle crashes (2,038) in the New York metropolitan region in 2001. There were 11 fatalities and 845 property damage accidents on the thruway system during 2001. This contrasts with 2,370 crashes, 10 fatalities and 823 property damage crashes in 2000.

Other Interstate (Expressways)

There were 9,145 vehicle crashes on other interstates in New York City and 3,365 in the suburbs. Of these, 25 fatal crashes occurred in New York City and 17 fatal crashes in the New York suburbs. In 2000 there were 10,290 vehicle crashes on other interstates in New York City and 4,341 in the suburbs. Of these, 30 fatal crashes occurred in New York City and 19 in the suburbs.

Almost 65 percent of all vehicle crashes reported in New York State in 2001 occurred in the New York metropolitan region. This was similar to the 63.5 percent in 1998 and 62.2 percent in 2000 (Table 41). Figures 30 to 33 show vehicle crashes on various road types in New York City, New York suburbs, New York metropolitan region, and New York State.

5. CRASHES BY VEHICLE

The total number of vehicles involved in crashes varies annually, similar to the number of crashes in the 1998 - 2001 time period. The peak number of vehicles involved in crashes was 246,087 in New York City and 469,497 in the New York metropolitan region in 2000. The New York suburban data indicate that the highest number (223,410) of vehicles involved in crashes was in 2000. Between 1998 and 2000 the number of vehicles involved in crashes has risen in New York City, the suburbs and New York State and then declined in 2001. In 2001 there was an average of 1.9 vehicles per crash in the New York metropolitan region; this is the same as in 2000. (Table 11)



A. Vehicles Involved In Crashes Resulting In Fatalities

- The trend of the number of vehicles involved in crashes resulting in a fatality from 1991 to 2001 was a steady downward slope. From 1991 to 2001 the number of vehicles involved in a fatal crash declined by 37.2 percent in New York City, 28.9 percent in the suburbs, and 32.8 percent in the metropolitan area. (See Table 12)

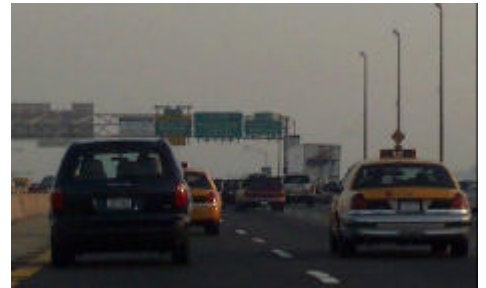
- The average number of vehicles involved in crashes per year during 1991-2001 was 628 for the City and 687 for the suburban counties.

B. Vehicles Involved In Crashes Resulting In Injury

- The number of vehicles involved in injury crashes has decreased somewhat from 266,182 in 1991 to 247,576 in 2001. (See Table 13)
- Data indicate that the number of vehicles involved in injury crashes from 1991 to 2001 were the highest in 2000 in the City and 1991 in the suburbs.

C. Vehicles Involved In Crashes Resulting In Property Damage

- The total number of vehicles involved in crashes resulting in property damage increased significantly from 1998 to 2000 in the New York metropolitan region (120,850 vs. 208,892) (Table 12) and then decreased in 2001 (165,356). In New York City the numbers rose from 29,644 to 67,626 from 1998 to 2000 and then decreased to 67,626 in 2001. The number of vehicles involved in crashes resulting in property damage from 1998 to 2001 in New York City increased from 13.4 to 24.8 percent of all the number of vehicles involved in crashes resulting in property damage in New York State.
- There were 67,626 vehicles involved in property damage crashes in New York City in 2001. This was an increase from 29,644 in 1998 or 128 percent but a decrease of 20.8 percent from 2000. Almost 98,000 vehicles were involved in property damage crashes in the New York suburbs in 2001. This number represents an increase of 7.2 percent over 1998 and a decrease of 20.6 percent from 2000. In all areas (New York City, Suburbs, New York State) in 2001, the number of vehicles involved in crashes resulting in property damage decreased. from 2000 (Table 14)



6. CRASHES BY MANNER OF TWO VEHICLE COLLISIONS

Table 43 contains data on the manner of two vehicle collisions. The data shows that the majority of accidents in New York City, the suburbs and New York State are rear-end accidents, followed by right angle accidents. In New York State, the suburbs and New York City, the percent of rear-end accidents in 2001 were 33.6, 36.0, and 32.7, respectively. These appear to be consistent with 1999's occurrences (34.2, 36.6 and 32.8 percent respectively). For all categories there was a decrease from 2000.

7. CRASHES BY DAY OF WEEK

Table 44 contains data on the number of accidents for New York City, the suburbs and New York State in 2001 by the day of the week they occurred. Based on the data, more accidents occur on Friday in New York City, the suburbs and New York State. The day of the week with the fewest accidents across all areas is Sunday.

8. CRASHES BY TIME OF DAY

Table 46 contains information regarding crashes by time of day for 2001. As can be seen, the hours between three (3) and six (6) pm in New York City and the suburbs experience the largest number of crashes.

9. CRASHES BY CENTERLINE MILES

Table 42 indicates accidents by centerline miles. The attempt of this table is to try to normalize crashes by the number of accidents by road jurisdiction and the amount of miles on the road jurisdiction. Along with the centerline miles and accidents, Table 42 indicates two examples on how the data can be used.



III TRANSIT SAFETY

New Yorkers are heavily dependent on public transportation. According to data available from the American Public Transportation Association, in 1998, more than 45 percent of all transit trips in the 30 largest metropolitan areas of the United States were made in the New York-Northeastern New Jersey region, while in 1999 it was 43 percent. In terms of total number of accidents on all modes of the transportation system, accidents on the transit system are fewer than motor vehicle accidents on the highway system. However, transit passenger safety remains an important concern. Although there are other independent transit operators in the region, the transit accident data in this report cover the largest group of transit operators in the New York metropolitan region, the Metropolitan Transportation Authority (MTA). Statistics describing transit accidents have been derived from the New York State Public Transportation Safety Board. Table 48 and Table 49 present transit accident ratios per million riders, and per million vehicle miles traveled, while Table 47 shows the total number of accidents in the MTA portion of the region in the 1991-2001 time period. (See also Figure 34)



1. RAIL ACCIDENTS

This report includes accident data for the following transit operators: MTA Long Island Rail Road (LIRR), MTA New York City Transit (Subway and Bus) and MTA Metro-North Railroad (MNR).

- In 2001, MTA Long Island Rail Road (transporting 85.6 million passengers) experienced the highest number of total accidents(15) of the rail operators. The accident ratios per million riders and per million vehicle miles traveled were 0.147 and 0.261 in 2001 for this operator. (See Tables 48-49)



- There were 54 passenger fatalities on the New York City Subway system in the period 1991-2001. The peak year was 1991, in terms of the total number of accidents, injuries and fatalities was 1991. (See Table 47) In terms of the accident ratio per million riders and per million vehicle miles traveled, the New York City Subway is the safest transit system in the region.



- From 1991 to 2001 there were 44 accidents, two fatalities and 34 injuries on the Metro-North Railroad.

- The data in Table 47 reveal that the Staten Island Railway had the lowest number of accidents of all the MTA properties. Very few (11) accidents happened on this line during the period 1991-2001. There were no passenger fatalities or injuries on this line during the same period.

2. BUS ACCIDENTS

Table 47 shows data on bus accidents and fatalities for the New York City Transit and the Long Island Bus.

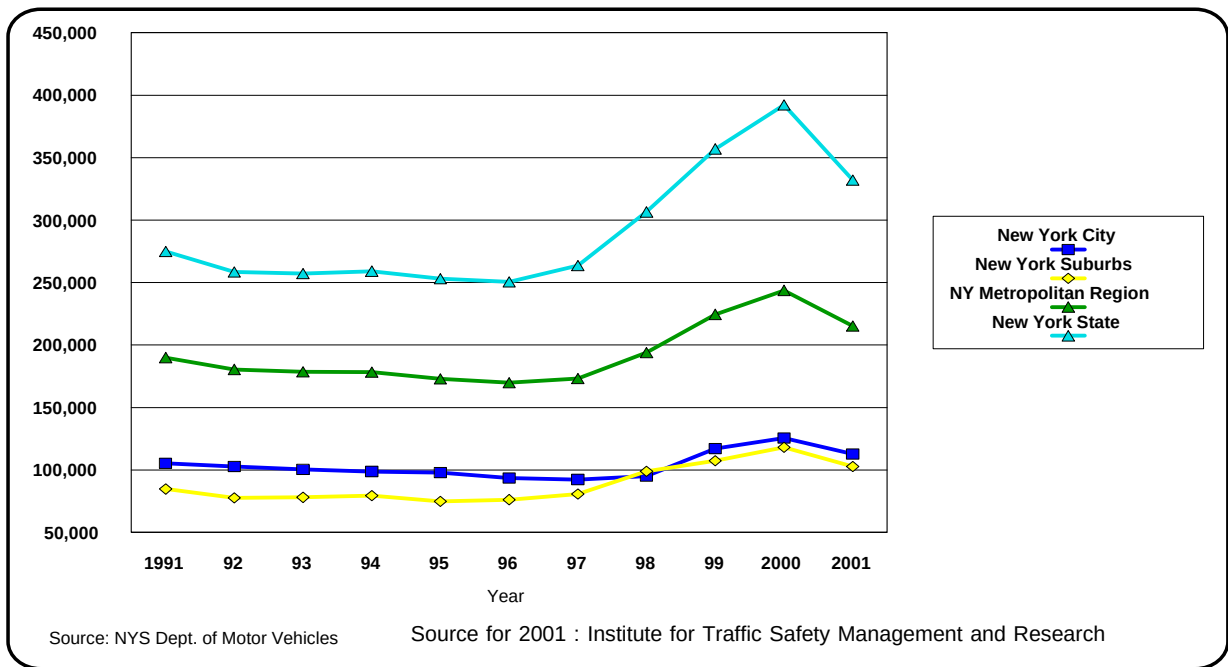
- MTA New York City Bus system transported 926 million passengers in 2001. In the same year, 55 passenger accidents occurred on the NYC bus system. As Tables 48 and 49 display, the accident ratios per million riders and per million vehicle miles traveled were 0.059 and 0.556 for the New York City Transit Bus and 0.097 and 0.246 for the Long Island Bus operation respectively in 2001. The average fatalities for the New York City Transit Bus and Long Island Bus for the time period 1991-2001 were 5.9 and 0.5 per year respectively.
- In 2001, Long Island Bus, with an annual ridership of 31 million, had three accidents. These resulted in one fatality and two injuries.

PART II
TRANSPORTATION
SAFETY
DATA GRAPHS

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**FIGURE 1
TOTAL NUMBER OF MOTOR VEHICLE CRASHES
1991-2001**



**FIGURE 2
MOTOR VEHICLE CRASHES
RESULTING IN FATALITY
1991-2001**

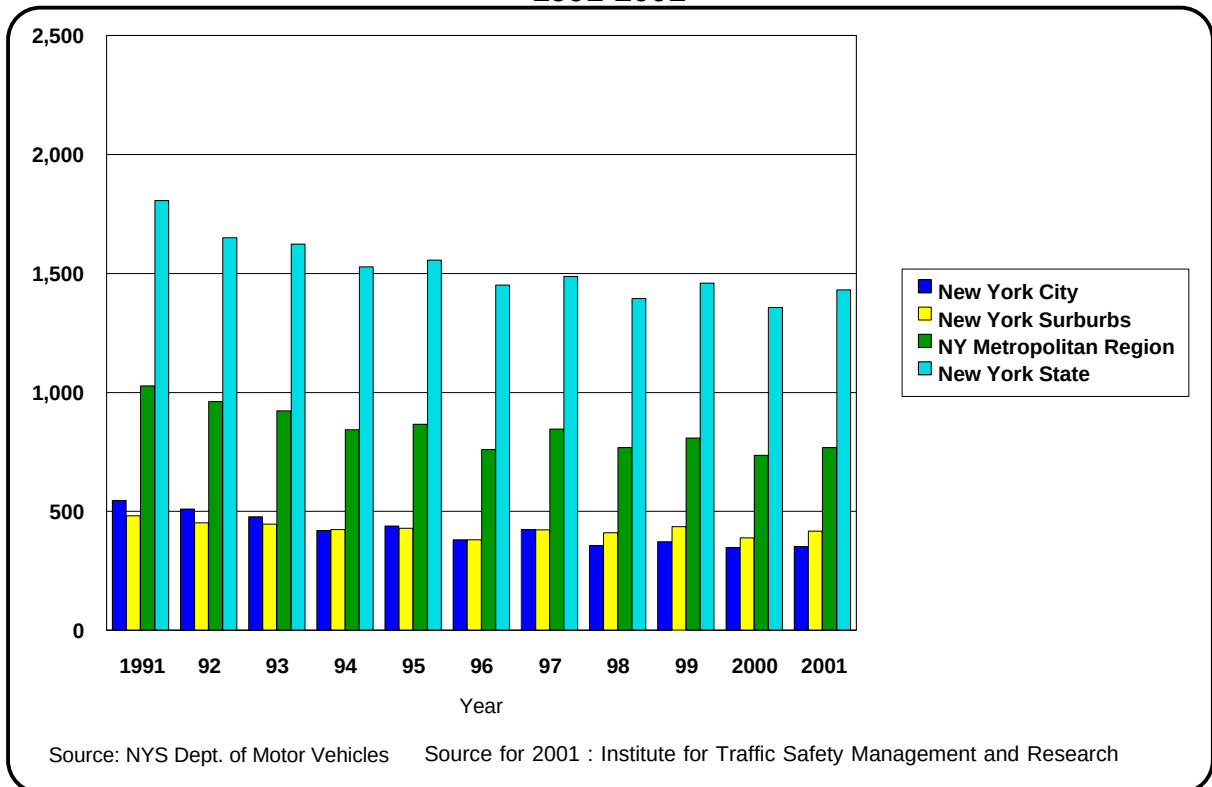


FIGURE 3
FATALITY RATE OF MOTOR VEHICLE CRASHES
PER 100,000 POPULATION
1991-2001

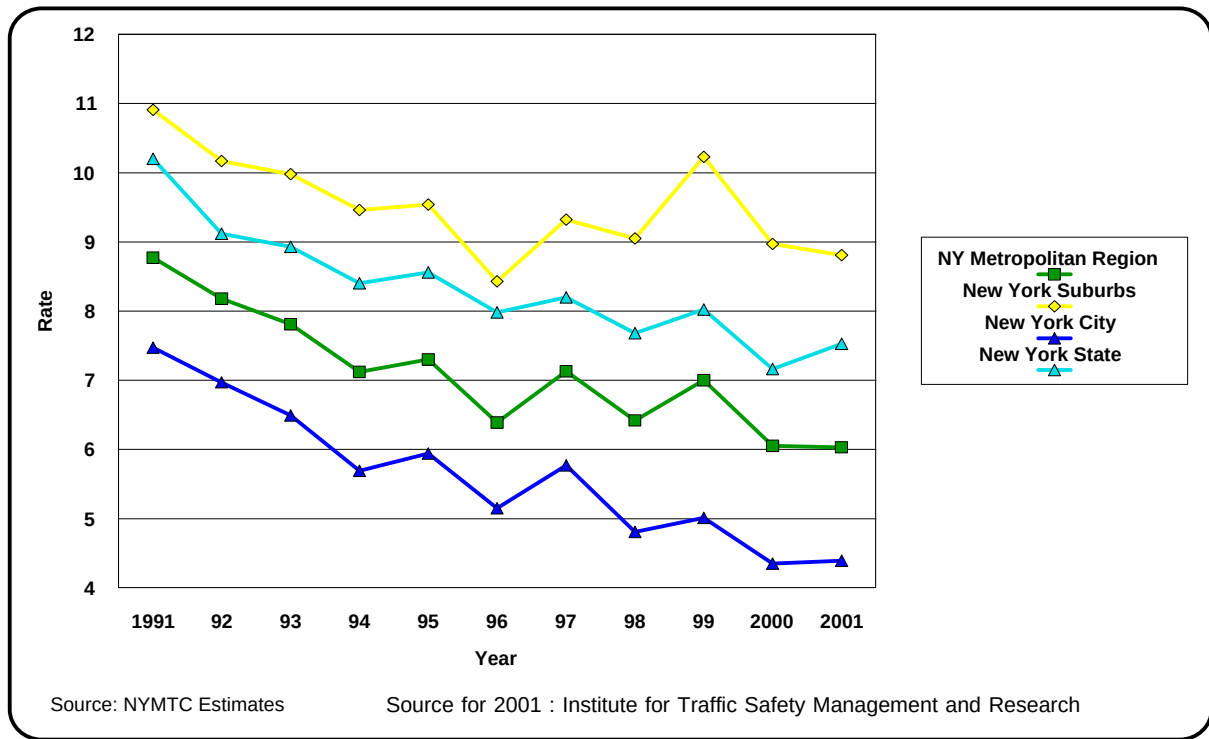


FIGURE 4
MOTOR VEHICLE CRASHES RESULTING IN INJURY
1991-2001

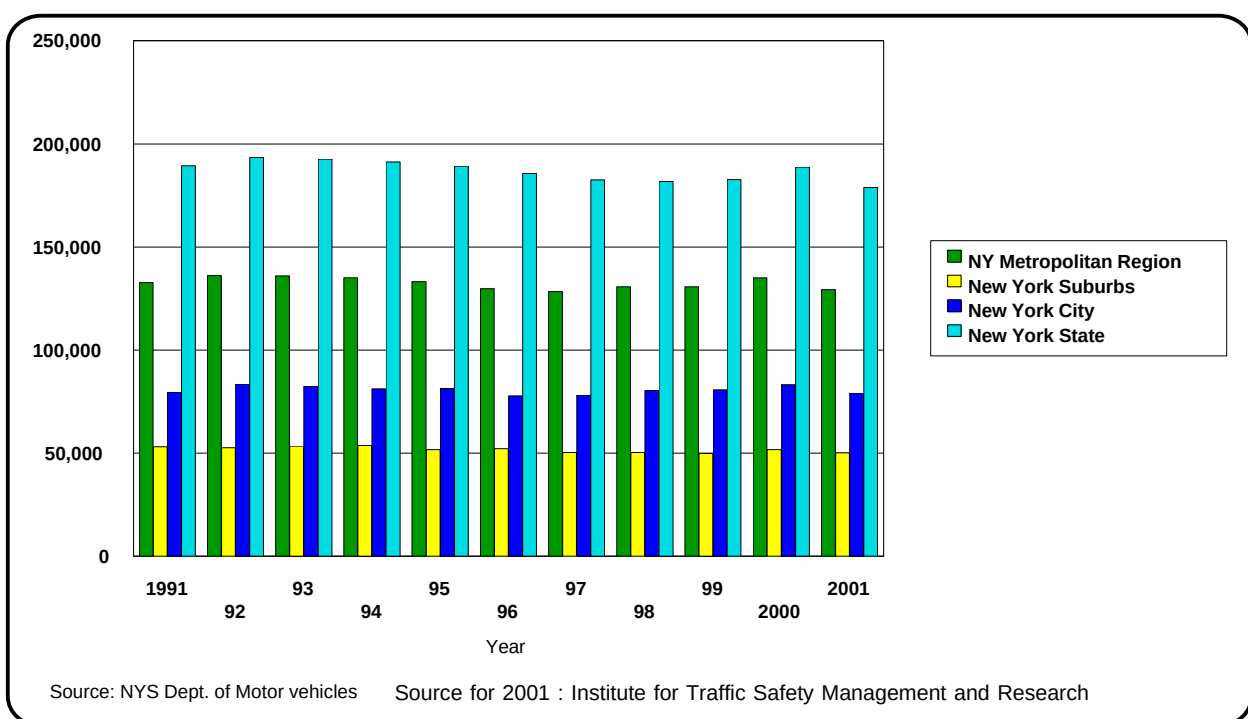


FIGURE 5
MOTOR VEHICLE CRASHES
RESULTING IN PROPERTY DAMAGE
1991-2001

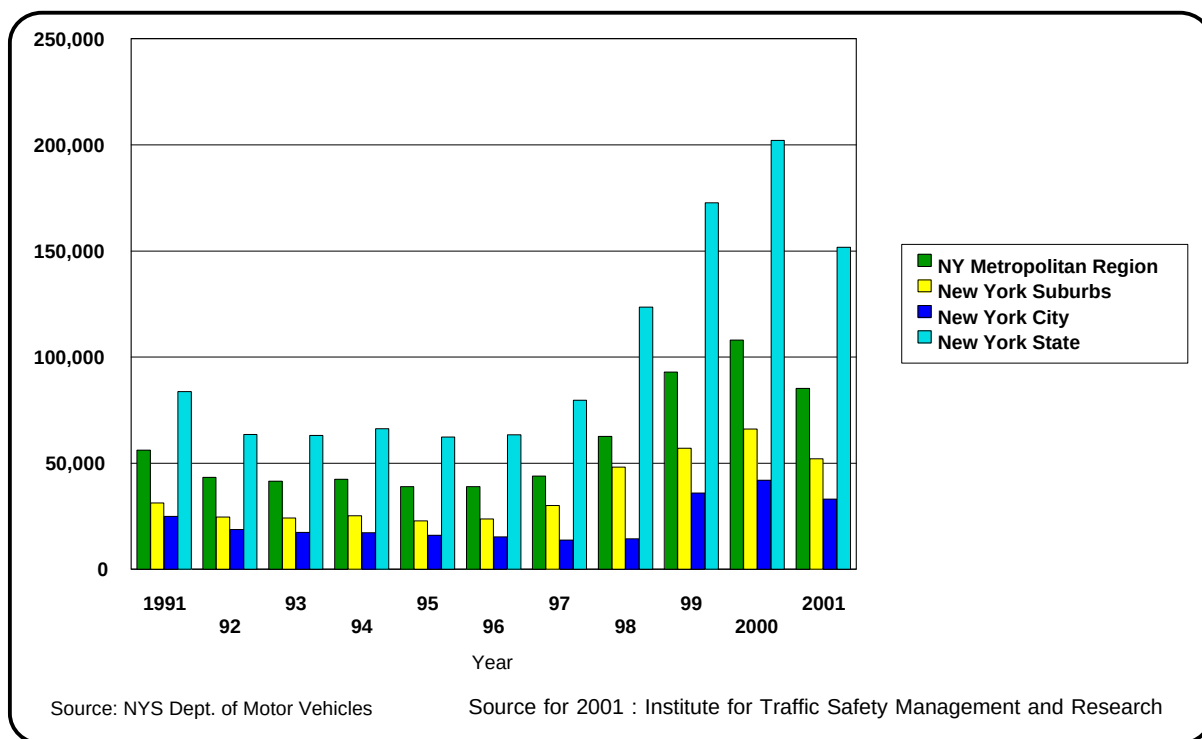


FIGURE 6
MOTOR VEHICLE CRASHES
BY CONTRIBUTING HUMAN FACTORS
1991-2001

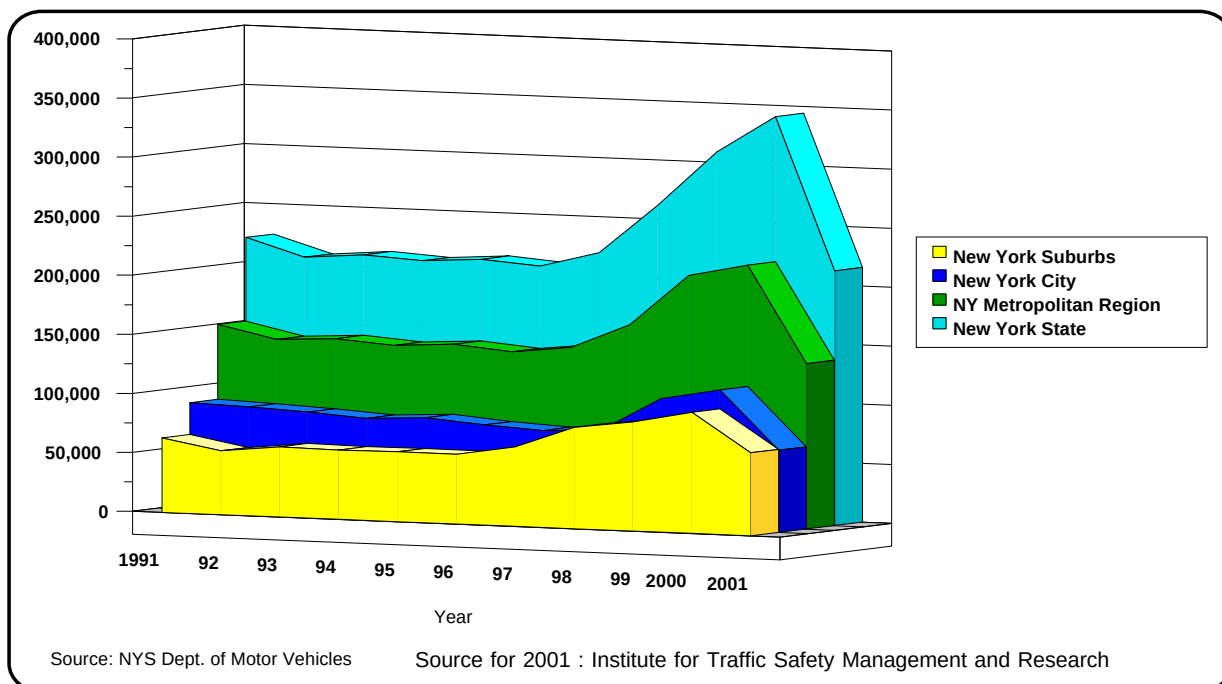
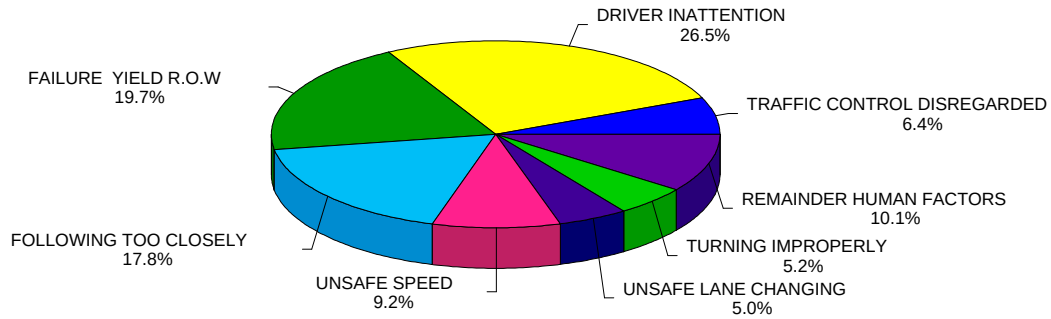


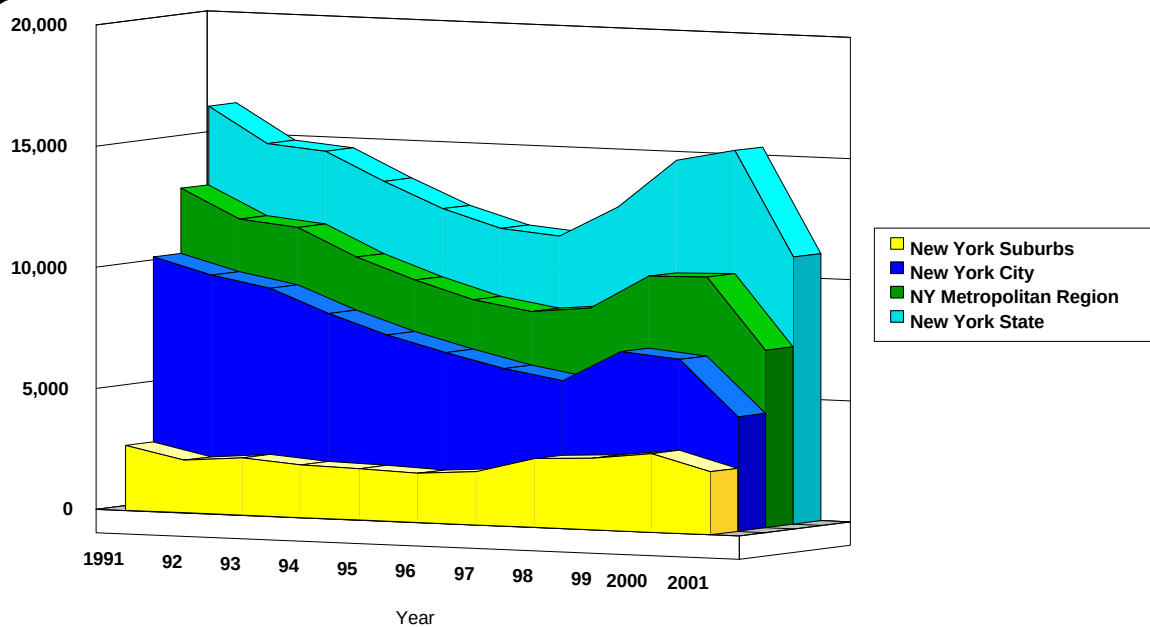
FIGURE 7
MOTOR VEHICLE CRASHES
BY CONTRIBUTING HUMAN FACTORS
NEW YORK METROPOLITAN REGION
2001



Source for 2001 : Institute for Traffic Safety Management and Research

Source: NYS Dept. of Motor Vehicles

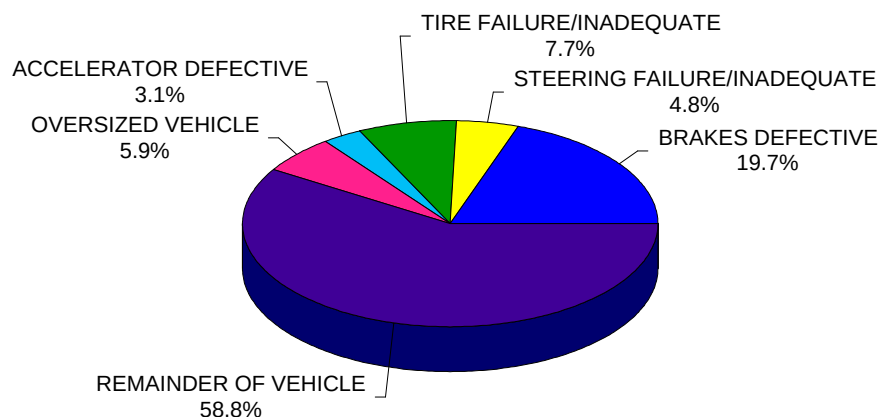
FIGURE 8
MOTOR VEHICLE CRASHES
BY CONTRIBUTING VEHICULAR FACTORS
1991-2001



Source: NYS Dept. of Motor Vehicles

Source for 2001 : Institute for Traffic Safety Management and Research

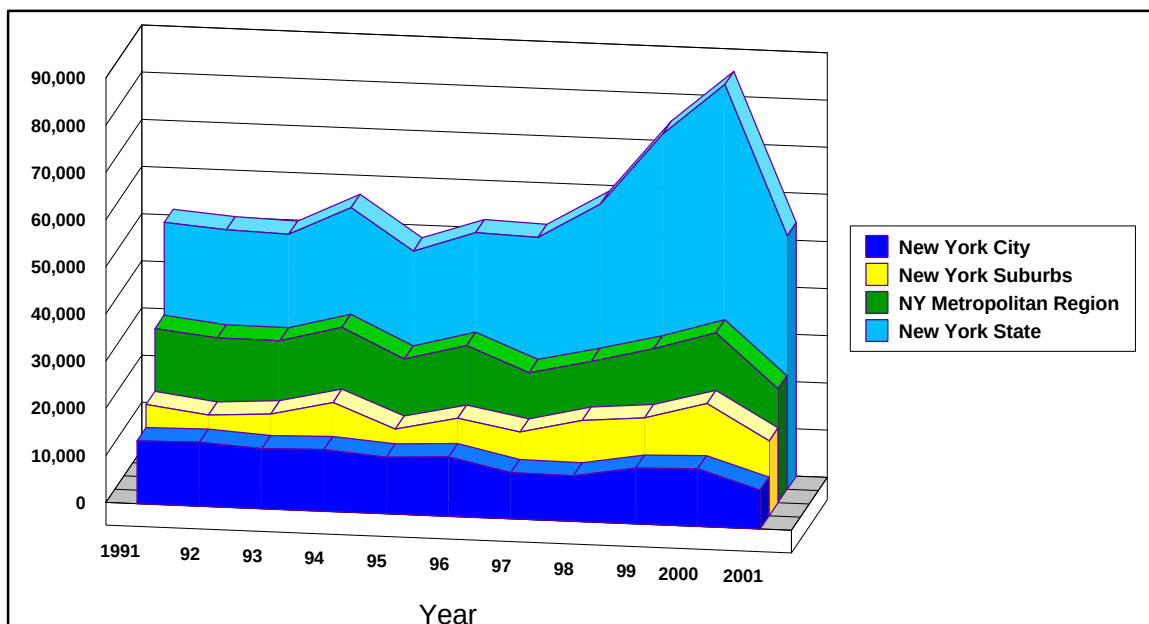
FIGURE 9
MOTOR VEHICLE CRASHES
BY CONTRIBUTING VEHICULAR FACTORS
NEW YORK METROPOLITAN REGION
2001



Source for 2001 : Institute for Traffic Safety Management and Research

Source: NYS Dept. of Motor Vehicles

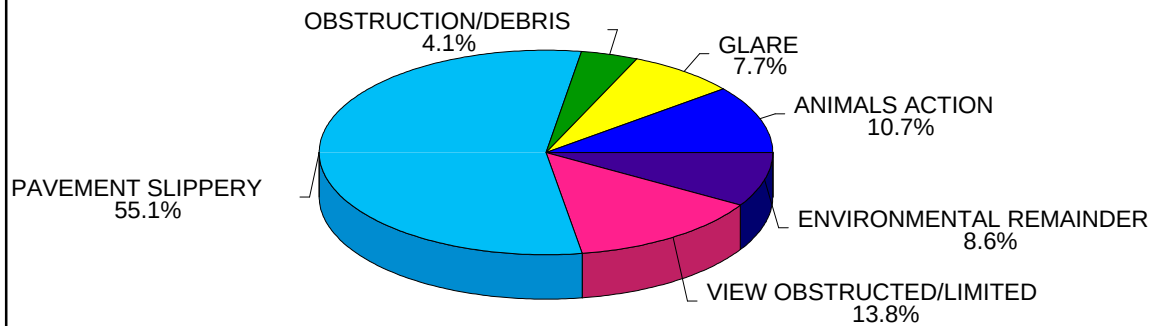
FIGURE 10
MOTOR VEHICLE CRASHES
BY CONTRIBUTING ENVIRONMENTAL FACTORS
1991-2001



Source for 2001 : Institute for Traffic Safety Management and Research

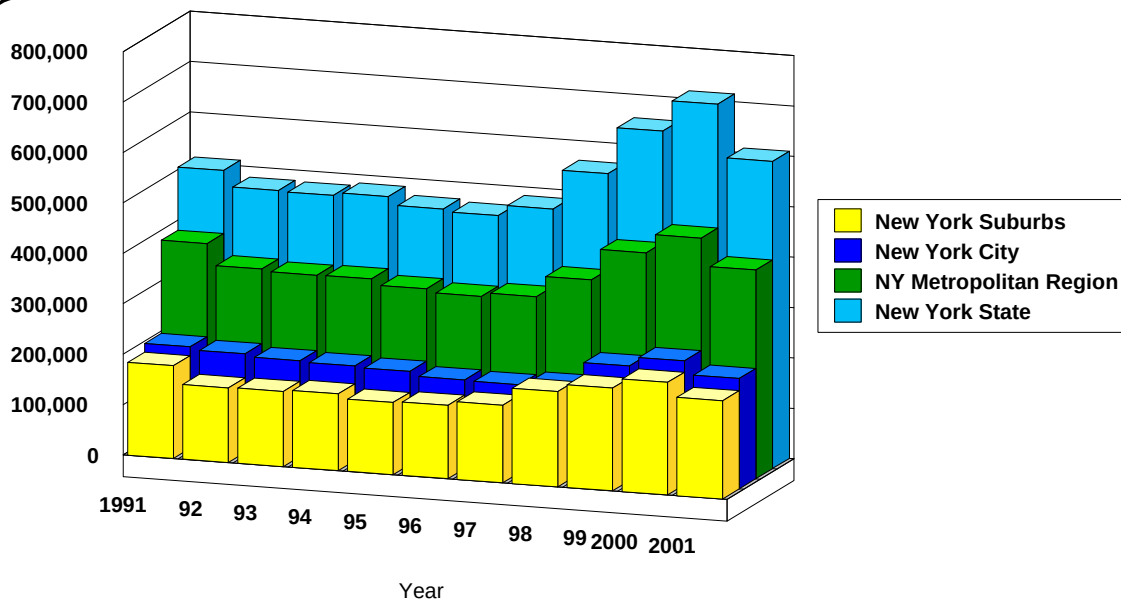
Source: NYS Dept. of Motor Vehicles

FIGURE 11
MOTOR VEHICLE CRASHES
BY CONTRIBUTING ENVIRONMENTAL FACTORS
NEW YORK METROPOLITAN REGION
2001



Source for 2001 : Institute for Traffic Safety Management and Research
Source: NYS Dept. of Motor Vehicles

FIGURE 12
TOTAL NUMBER OF VEHICLES
INVOLVED IN ALL TYPE OF CRASHES
1991-2001



Source: NYS Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research

FIGURE 13
TOTAL NUMBER OF VEHICLES
INVOLVED IN CRASHES RESULTING IN FATALITY
1991-2001

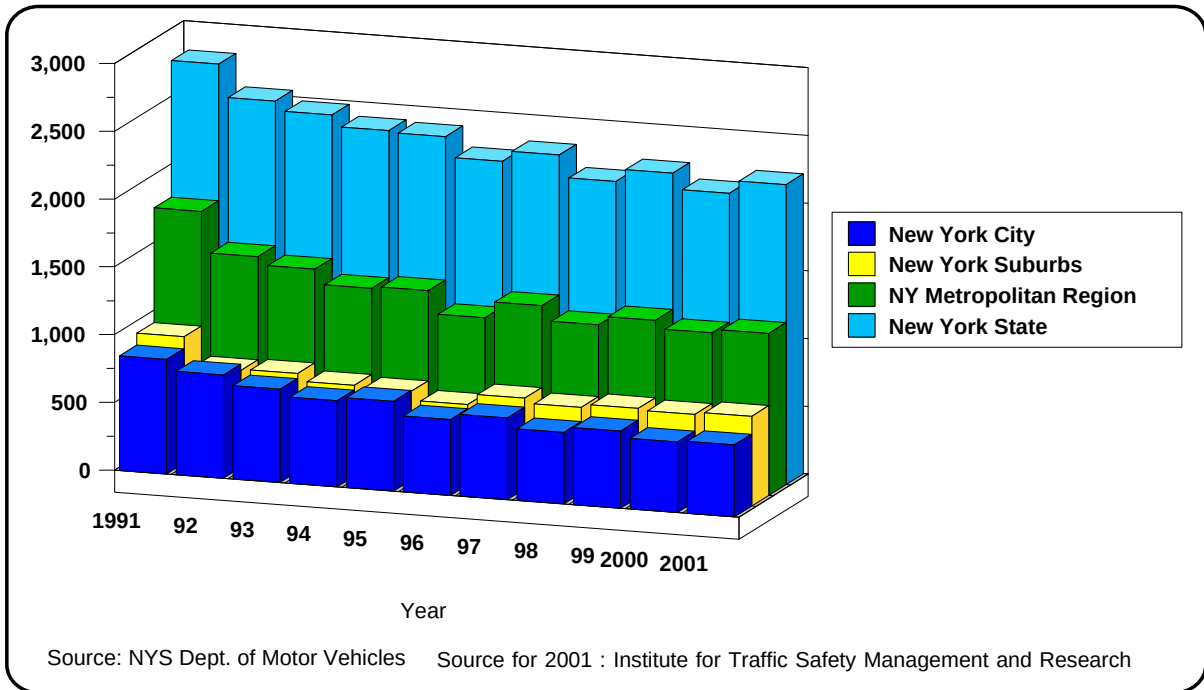


FIGURE 14
TOTAL NUMBER OF VEHICLES
INVOLVED IN CRASHES RESULTING IN INJURY
1991-2001

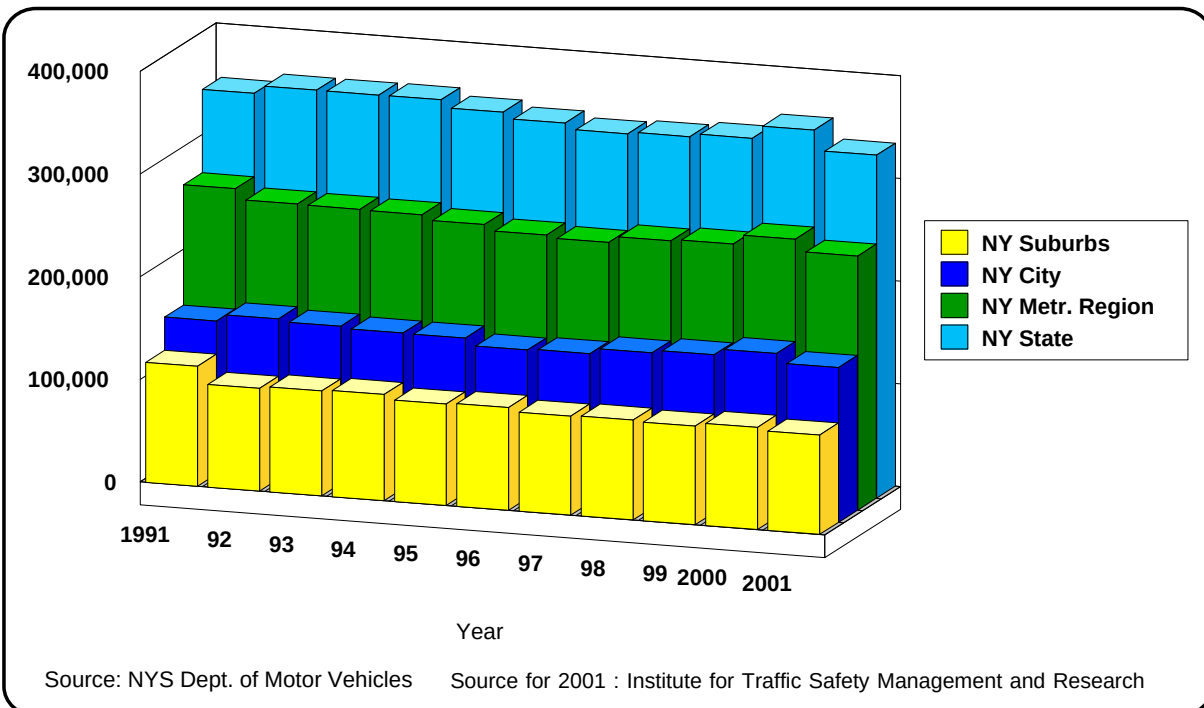


FIGURE 15
TOTAL NUMBER OF VEHICLES
INVOLVED IN CRASHES RESULTING IN PROPERTY DAMAGE
1991-2001

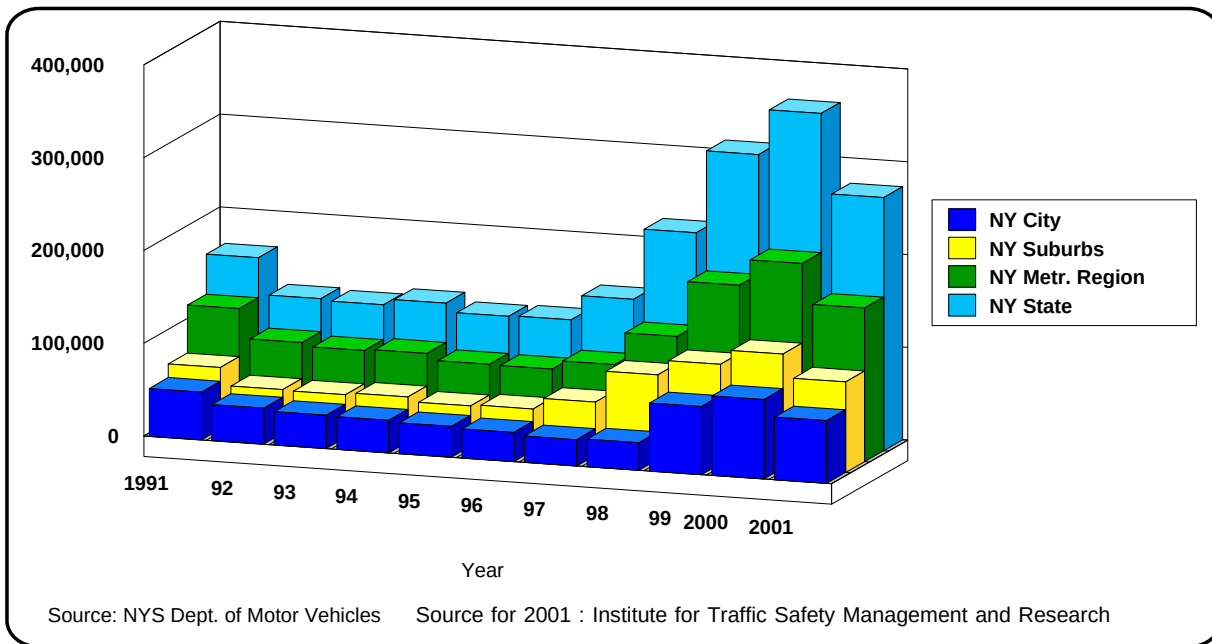


FIGURE 16
MALE DRIVERS INVOLVED IN
MOTOR VEHICLE CRASHES
1991-2001

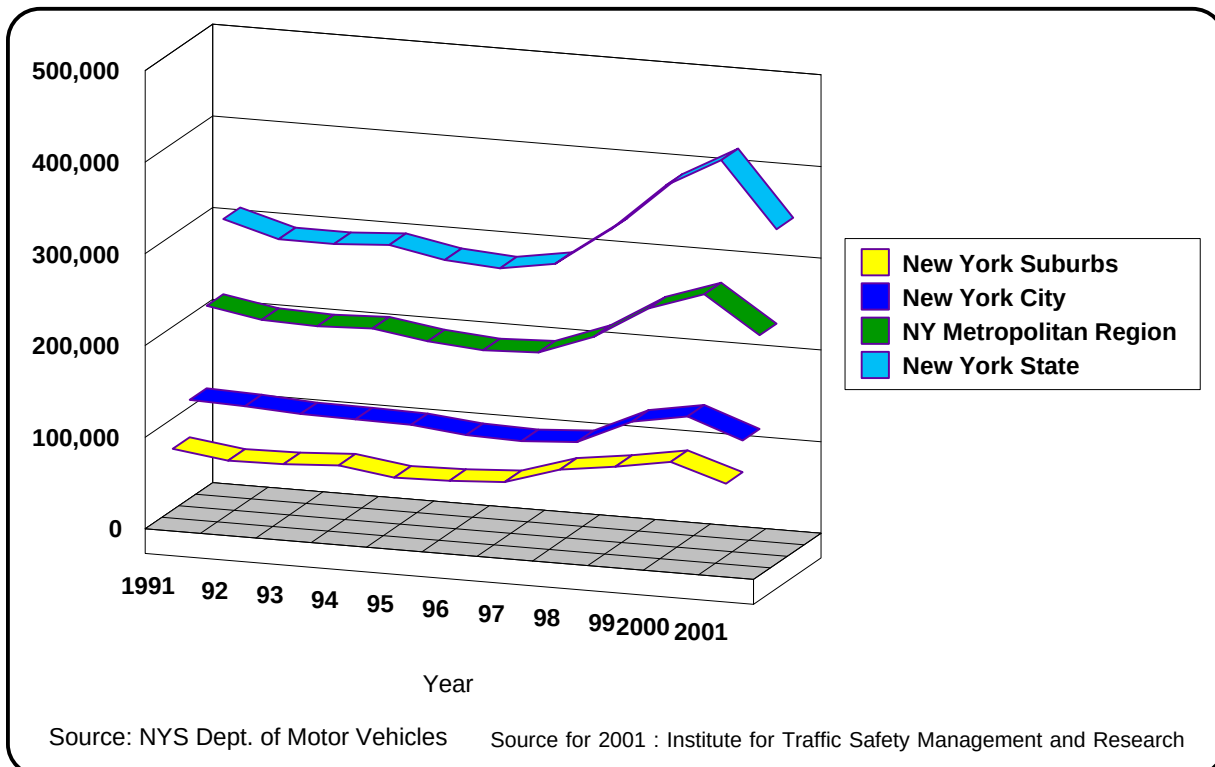


FIGURE 17
FEMALE DRIVERS INVOLVED IN
MOTOR VEHICLE CRASHES
1991-2001

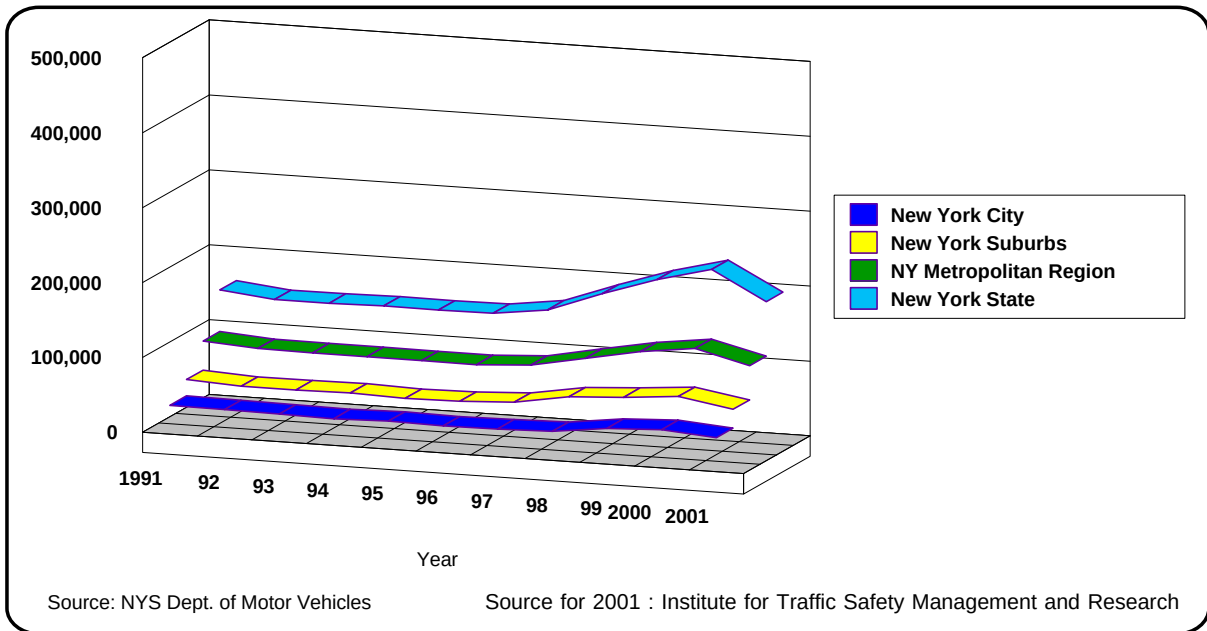


FIGURE 18
AGE OF FEMALE DRIVERS INVOLVED IN
MOTOR VEHICLE CRASHES - BY PERCENT
1990

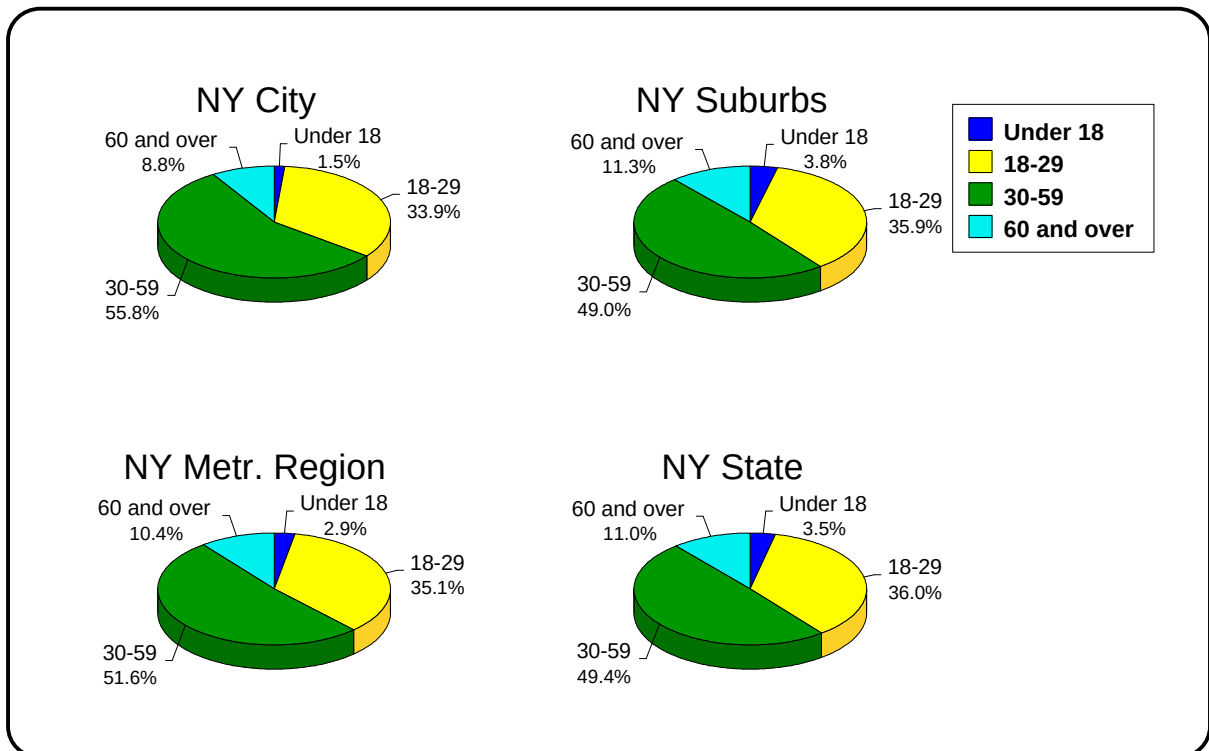


FIGURE 19
AGE OF MALE DRIVERS INVOLVED IN
MOTOR VEHICLE CRASHES - BY PERCENT
1990

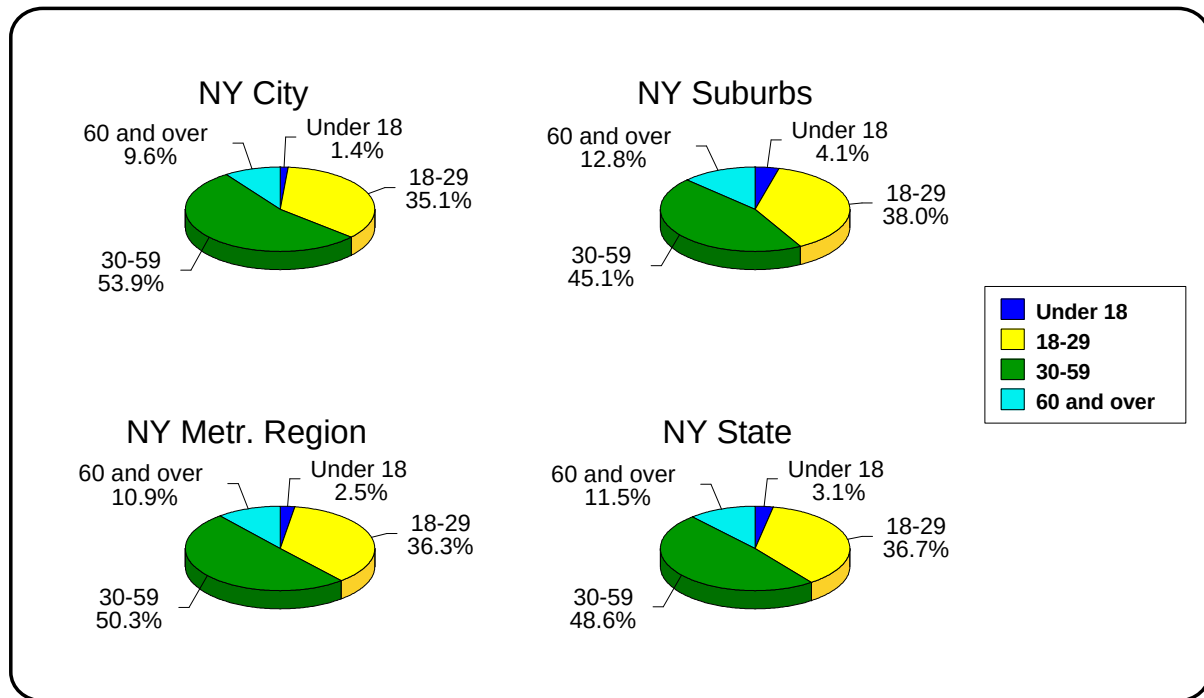


FIGURE 20
AGE OF FEMALE DRIVERS INVOLVED IN
MOTOR VEHICLE CRASHES - BY PERCENT
2000

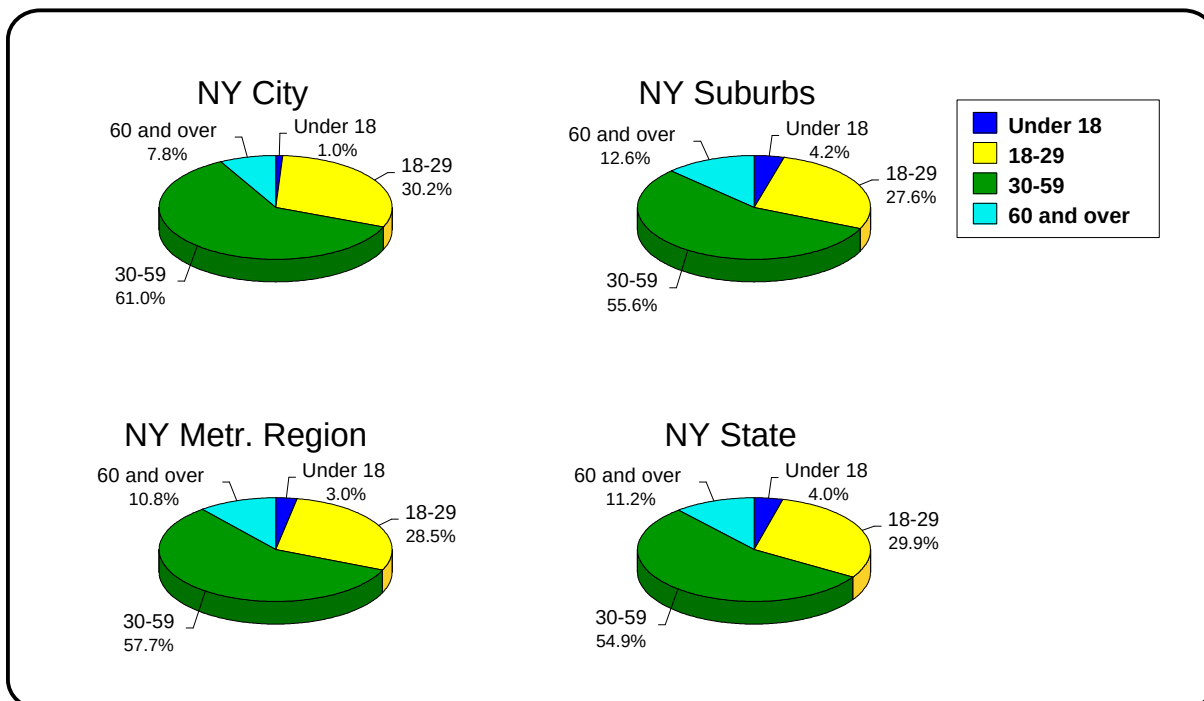


FIGURE 21
AGE OF MALE DRIVERS INVOLVED IN
MOTOR VEHICLE CRASHES - BY PERCENT
2000

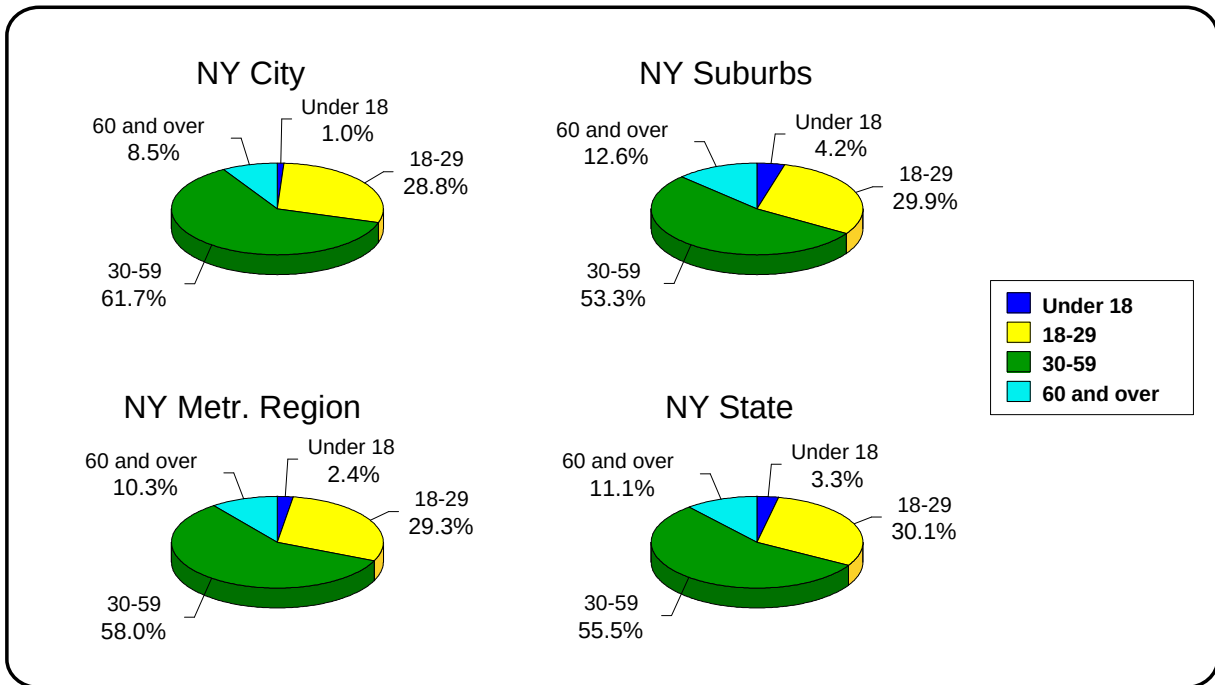
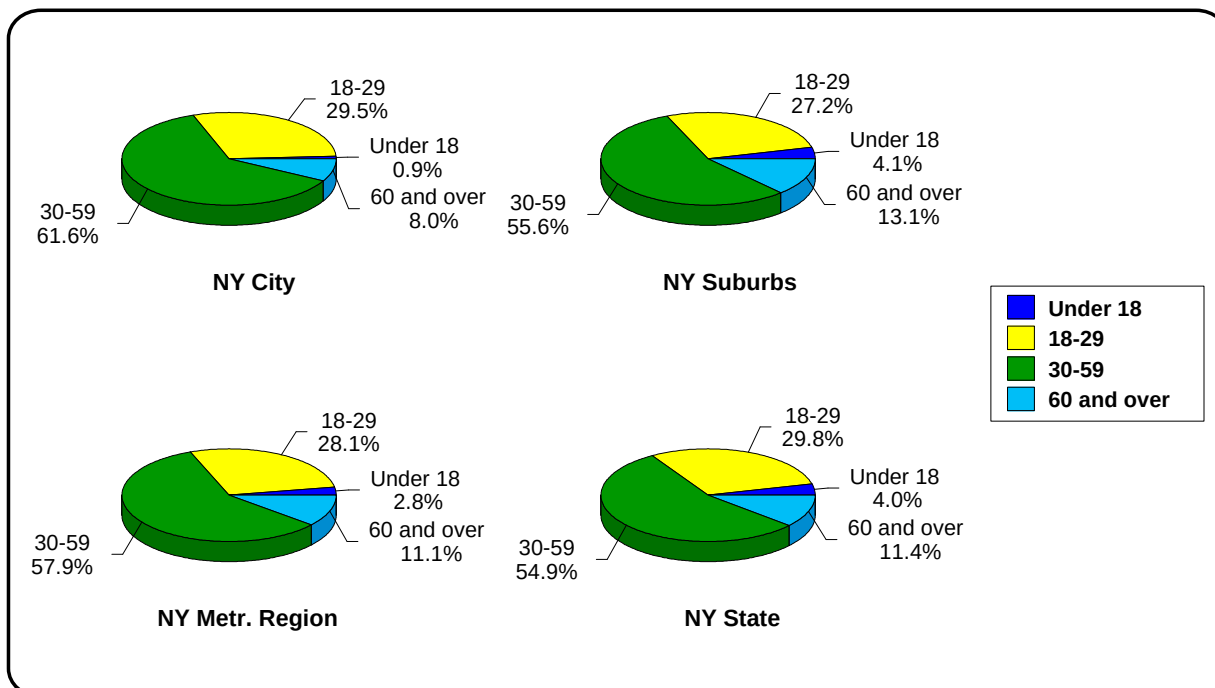


FIGURE 22
AGE OF FEMALE DRIVERS INVOLVED IN
MOTOR VEHICLE CRASHES - BY PERCENT
2001



Source for 2001 : Institute for Traffic Safety Management and Research

FIGURE 23
AGE OF MALE DRIVERS INVOLVED IN
MOTOR VEHICLE CRASHES - BY PERCENT
2001

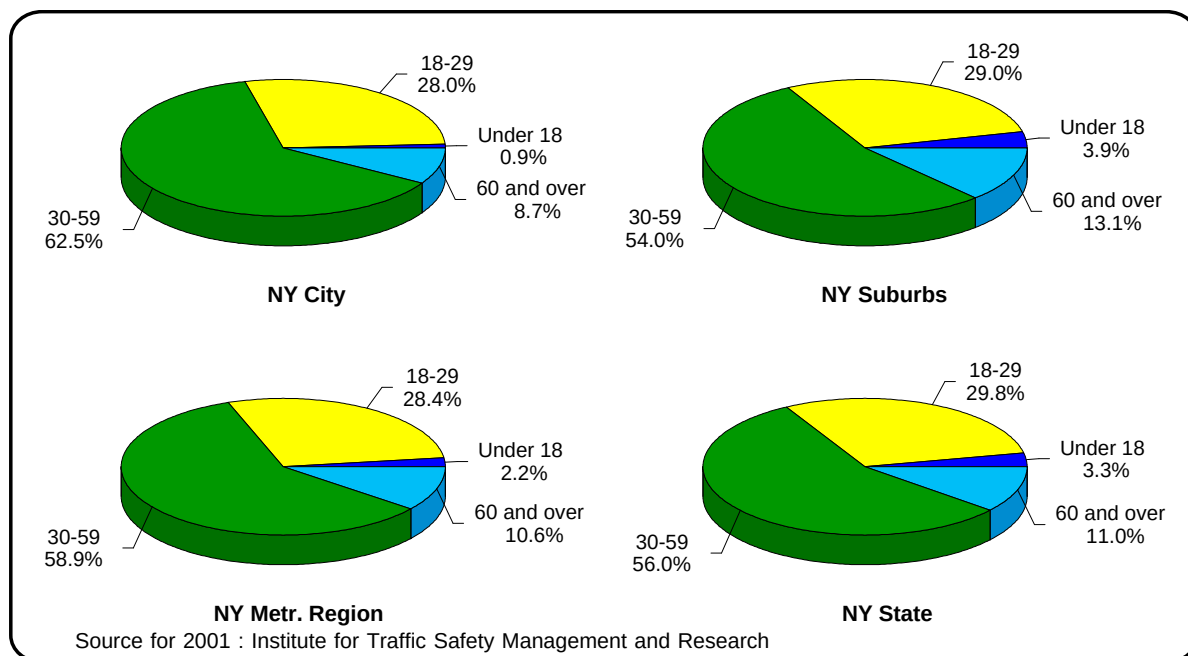
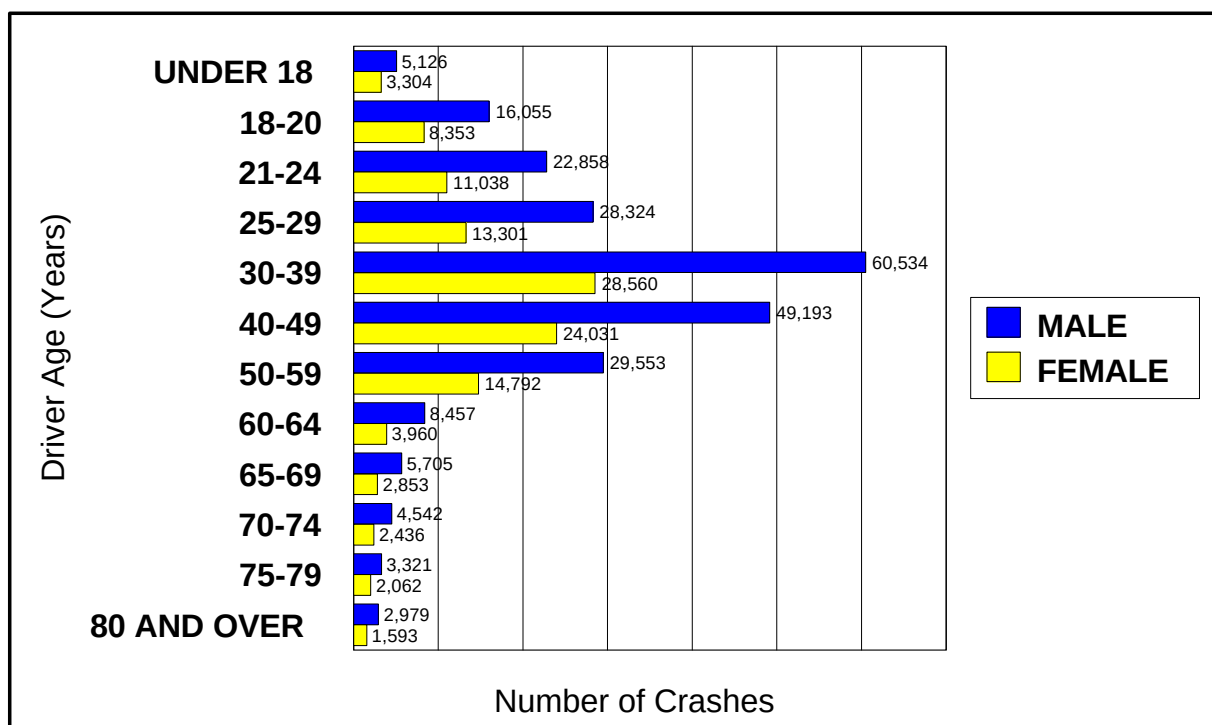
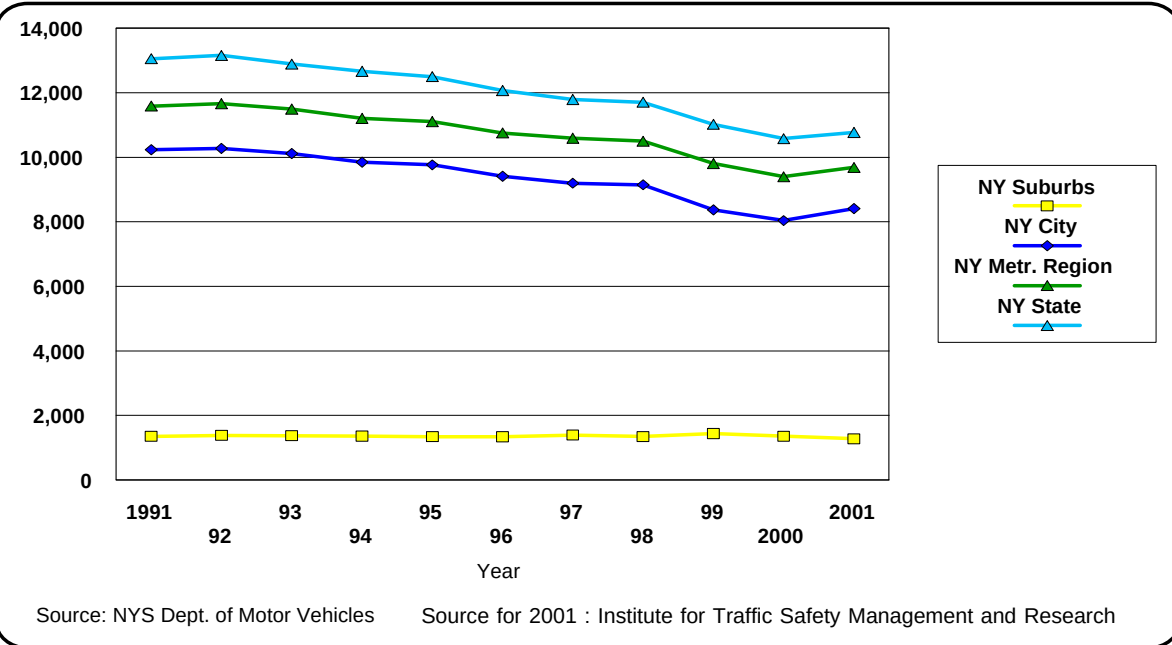


FIGURE 24
MOTOR VEHICLE CRASHES
BY AGE AND GENDER OF DRIVER
NEW YORK METROPOLITAN REGION
2001



Source for 2001 : Institute for Traffic Safety Management and Research

**FIGURE 25
VEHICULAR/PEDESTRIAN CRASHES
AT INTERSECTION
1991-2001**



**FIGURE 26
VEHICULAR/PEDESTRIAN CRASHES
NOT AT INTERSECTION (MID-BLOCK)
1991-2001**

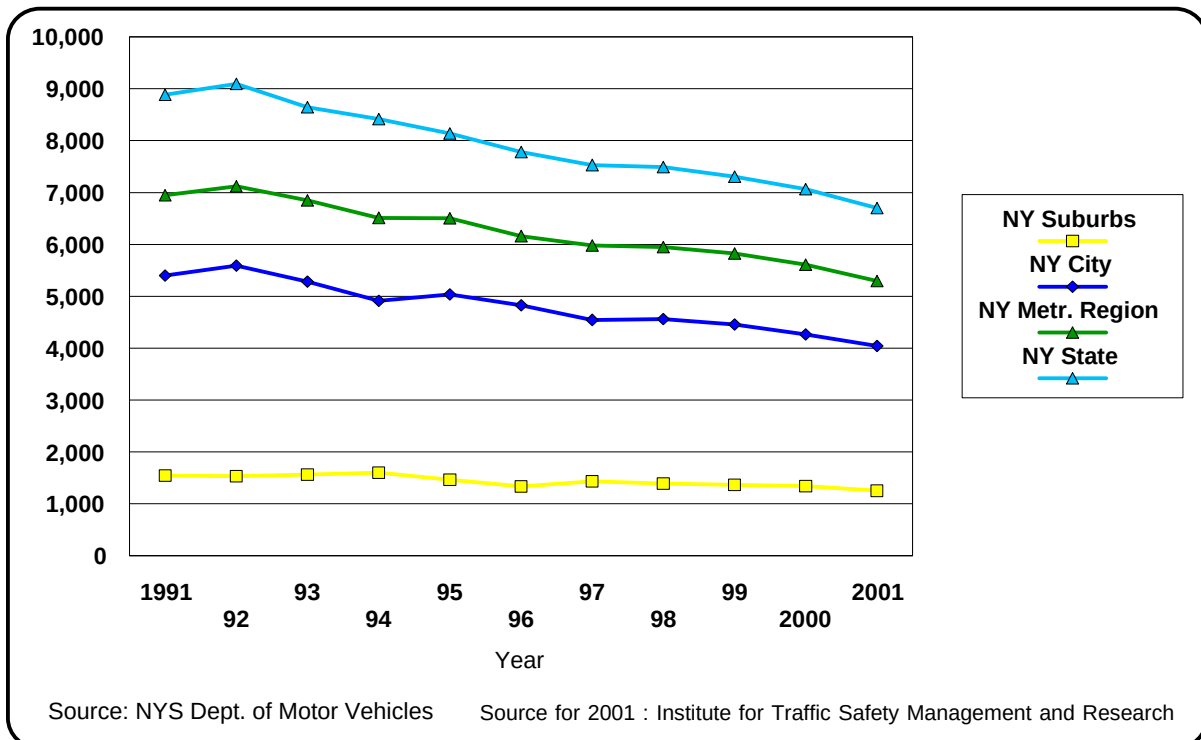


FIGURE 27
TOTAL PEDESTRIAN FATALITIES
IN VEHICULAR/PEDESTRIAN CRASHES
1991-2001

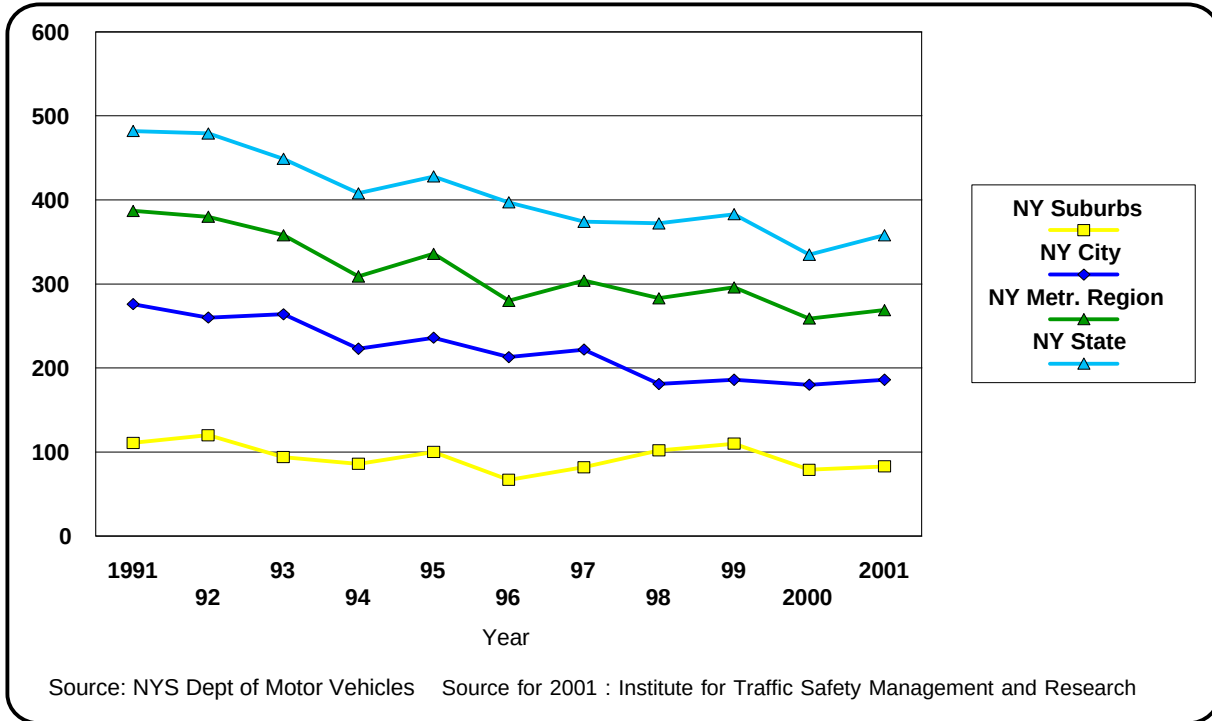


FIGURE 28
TOTAL BICYCLISTS KILLED OR INJURED
1991-2001

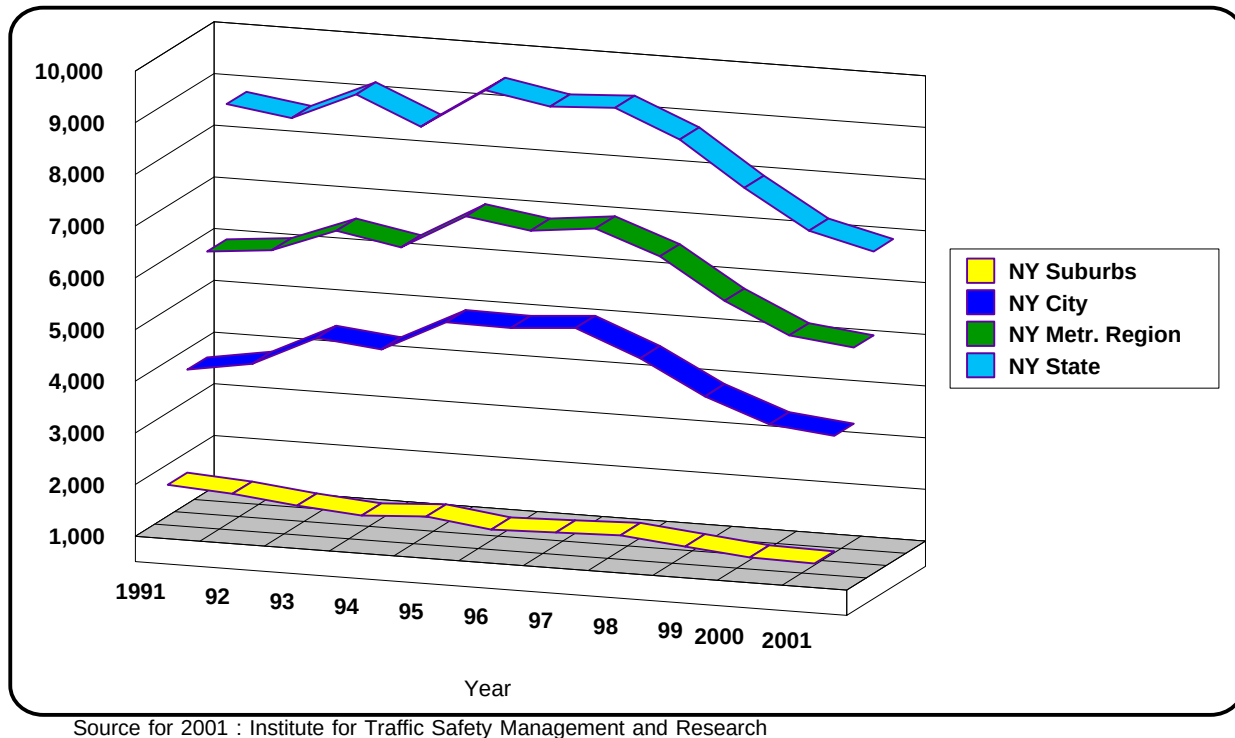


FIGURE 29
TOTAL BICYCLIST FATALITIES
IN VEHICULAR/BICYCLE CRASHES
1991-2001

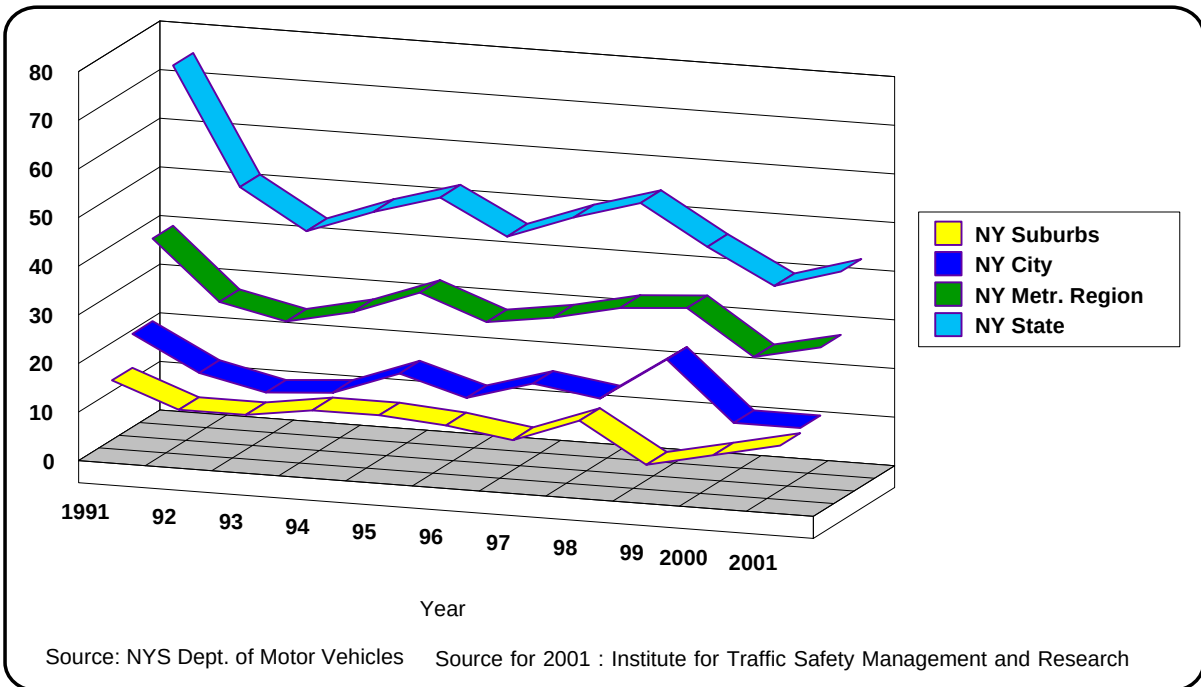
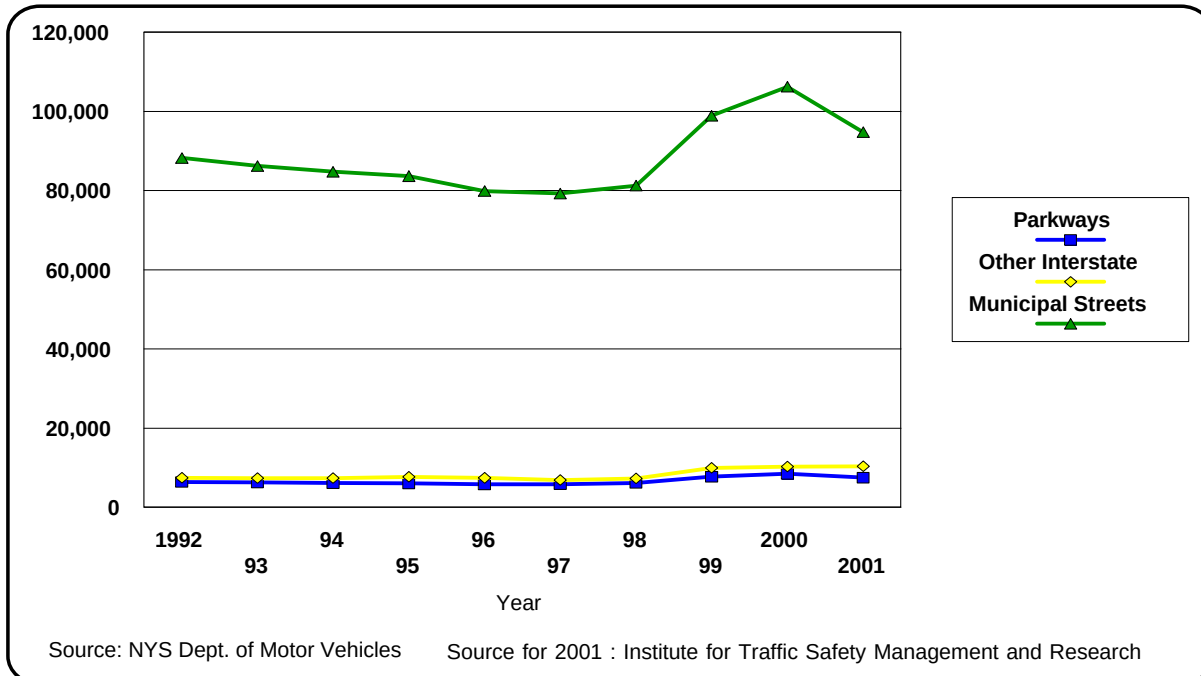
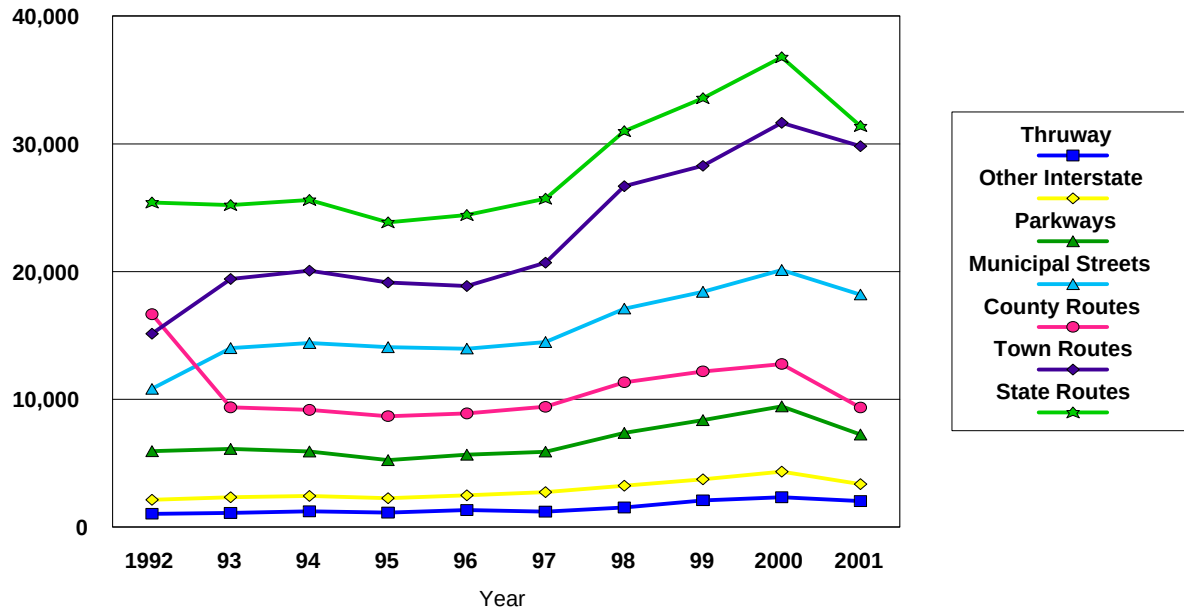


FIGURE 30
NEW YORK CITY
CRASHES ON ROAD SYSTEM BY JURISDICTION
1992-2001



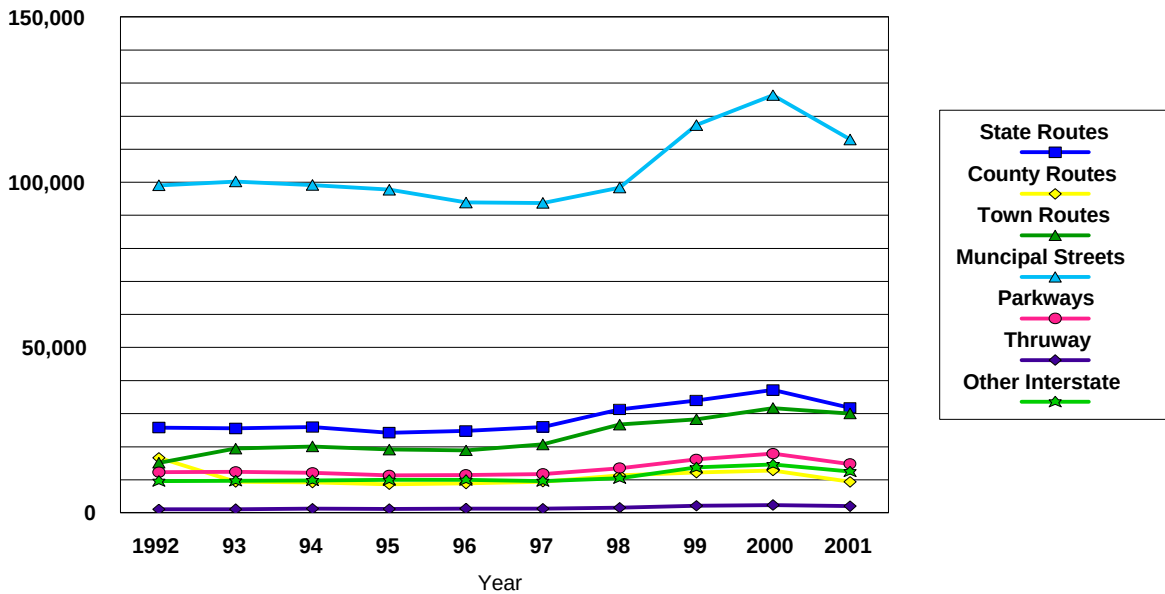
**FIGURE 31
NEW YORK SUBURBS
CRASHES ON ROAD SYSTEM BY JURISDICTION
1992-2001**



Source: NYS Dept. of Motor Vehicles

Source for 2001 : Institute for Traffic Safety Management and Research

**FIGURE 32
DOWNSTATE NEW YORK
CRASHES ON ROAD SYSTEM BY JURISDICTION
1992-2001**



Source: NYS Dept. of Motor Vehicles

Source for 2001 : Institute for Traffic Safety Management and Research

FIGURE 33
NEW YORK STATE
CRASHES ON ROAD SYSTEM BY JURISDICTION
1992-2001

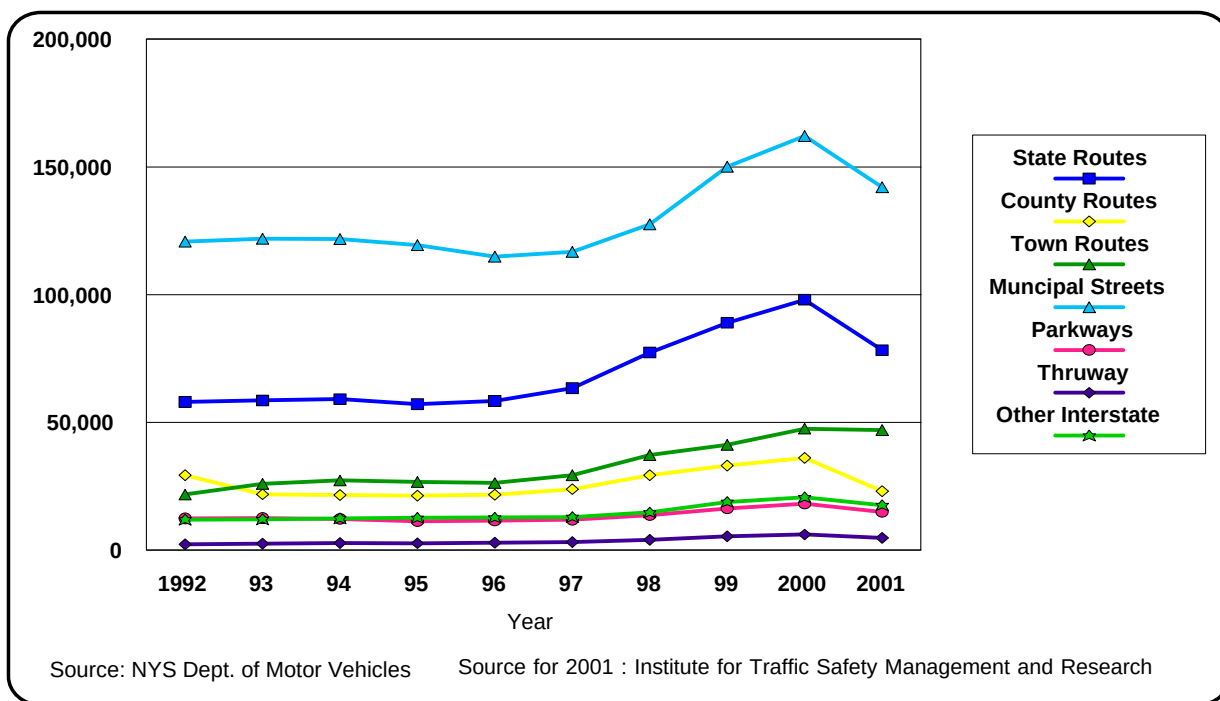
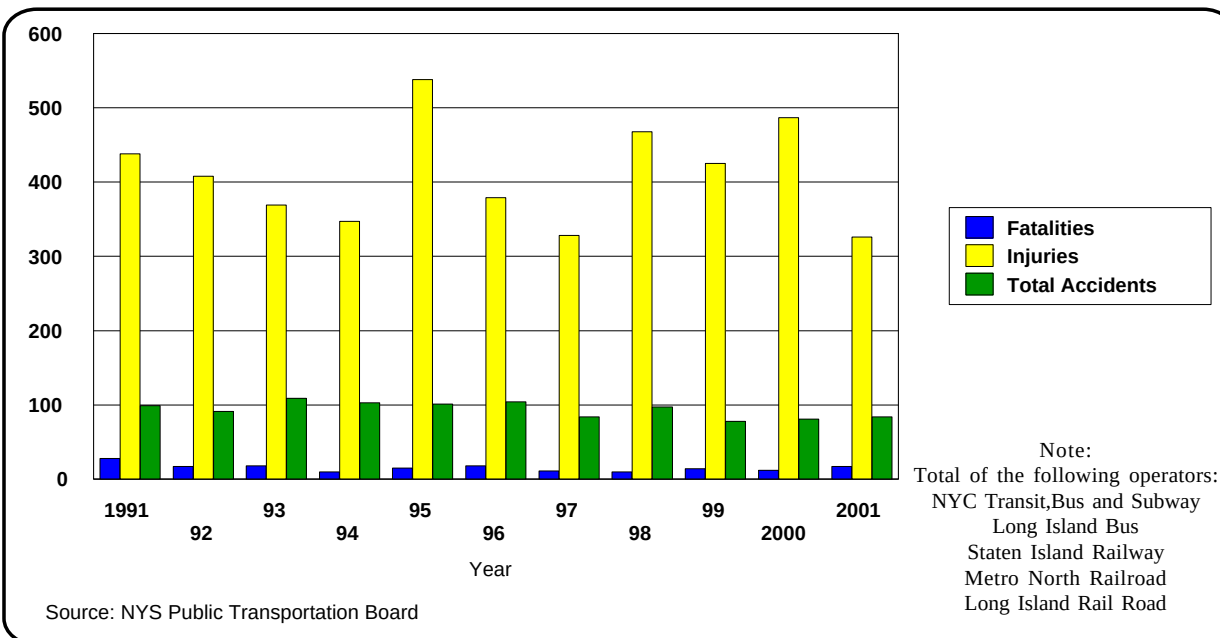
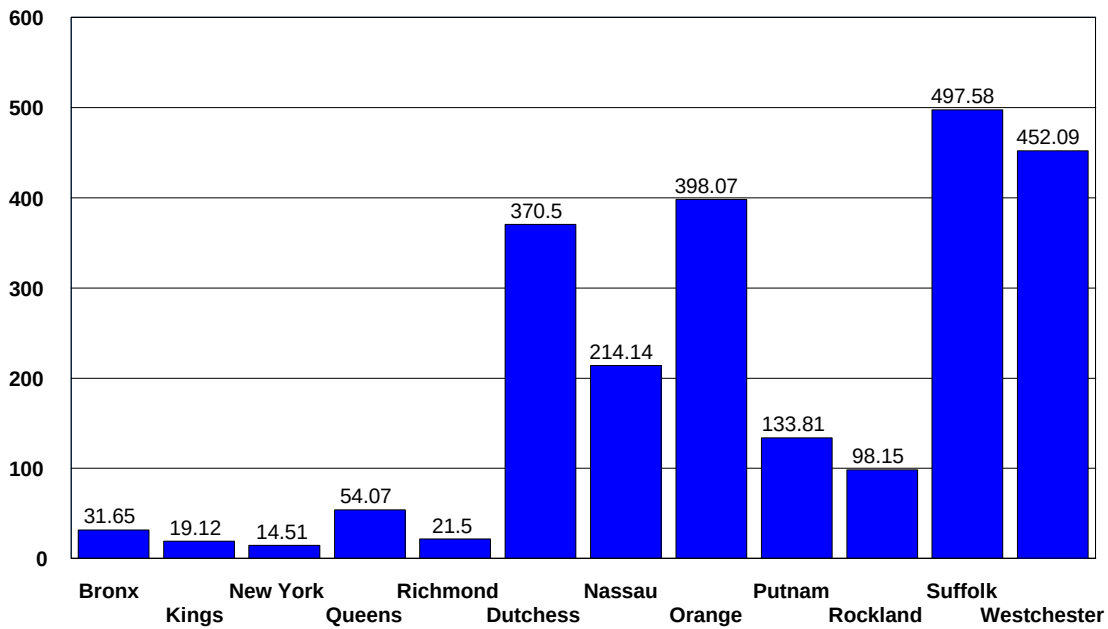


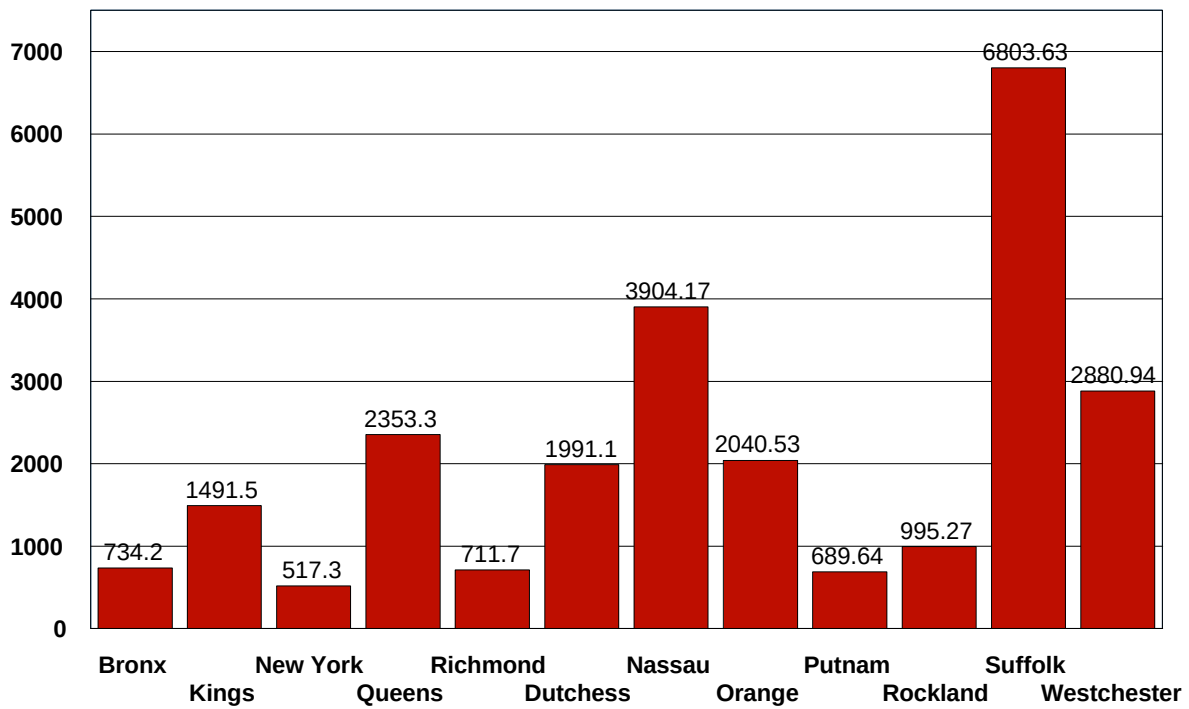
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**FIGURE 35
STATE HIGHWAY CENTERLINE MILES
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**FIGURE 36
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PART III
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TABLE 1
TOTAL NUMBER OF MOTOR VEHICLE CRASHES

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Bronx	15,106	14,573	13,819	13,493	13,568	12,899	13,114	13,272	17,950	19,953	17,864
Kings	31,441	31,360	30,922	30,485	30,129	28,499	28,768	30,082	35,782	38,151	33,370
New York	20,603	20,098	20,317	20,382	19,694	19,219	18,731	18,176	22,956	24,609	21,646
Queens	32,233	30,898	29,905	29,302	29,243	27,695	26,690	28,274	34,697	36,578	33,574
Richmond	5,883	5,822	5,469	5,171	5,361	5,266	5,125	5,318	5,781	6,258	6,183
NEW YORK CITY	105,266	102,751	100,432	98,833	97,995	93,578	92,428	95,122	117,166	125,549	112,637
Dutchess	4,467	4,207	4,097	4,320	4,116	4,512	4,733	5,815	6,577	7,041	5,921
Nassau	27,715	25,492	25,426	25,334	24,196	23,948	26,599	33,100	35,212	37,716	32,297
Orange	5,690	5,370	5,301	5,686	5,260	5,403	5,528	6,866	8,204	9,604	8,183
Putnam	1,738	1,598	1,629	1,744	1,545	1,688	1,773	1,936	2,141	2,649	2,344
Rockland	4,917	4,485	4,641	4,969	4,722	4,933	4,748	5,279	6,396	7,262	6,069
Suffolk	25,511	22,998	23,319	23,389	21,630	21,729	23,262	29,642	31,407	34,854	30,518
Westchester	14,754	13,573	13,673	14,074	13,503	13,992	14,097	16,314	17,452	19,153	17,359
NEW YORK SUBURBS	84,792	77,723	78,086	79,516	74,972	76,205	80,740	98,952	107,389	118,279	102,691
DOWNSTATE NY	190,058	180,474	178,518	178,349	172,967	169,783	173,168	194,074	224,555	243,828	215,328
NEW YORK STATE	274,875	258,596	257,209	259,184	253,136	250,521	263,604	306,646	356,981	392,245	331,979
Downstate % of NYS	69.1	69.8	69.4	68.8	68.3	67.8	65.7	63.3	62.9	62.2	64.9
Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research											

TABLE 2
**MOTOR VEHICLE CRASHES
 RESULTING IN FATALITY**

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Bronx	103	89	79	64	74	54	72	49	59	49	55
Kings	164	143	142	117	117	109	134	115	114	105	111
New York	95	88	99	82	96	84	81	59	66	70	55
Queens	156	170	140	133	132	116	123	112	118	100	104
Richmond	28	20	17	23	19	17	14	22	15	24	27
NEW YORK CITY	546	510	477	419	438	380	424	357	372	348	352
Dutchess	35	25	34	30	30	22	31	27	29	29	39
Nassau	118	122	104	107	101	75	112	101	123	94	93
Orange	39	42	38	47	35	37	39	31	43	30	36
Putnam	13	10	13	16	12	16	13	12	15	10	10
Rockland	18	14	19	25	20	14	26	26	22	18	20
Suffolk	186	174	181	146	166	153	147	162	153	151	164
Westchester	73	65	57	53	65	63	54	52	51	56	54
NEW YORK SUBURBS	482	452	446	424	429	380	422	411	436	388	416
DOWNSTATE NY	1,028	962	923	843	867	760	846	768	808	736	768
NEW YORK STATE	1,807	1,650	1,623	1,528	1,557	1,451	1,488	1,395	1,460	1,358	1,431
Downstate % of NYS	56.9	58.3	56.9	55.2	55.7	52.4	56.9	55.1	55.3	54.2	53.7
UNITED STATES	36,895	34,928	35,780	36,254	37,241	37,351	37,280	37,081	37,043	37,409	37,795
Downstate % of Nation	2.8	2.8	2.6	2.3	2.3	2.0	2.3	2.1	2.2	2.0	2.0

Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research

TABLE 3
**FATALITY RATE OF MOTOR VEHICLE CRASHES
 PER 100,000 POPULATION**

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Bronx	8.59	7.45	6.59	5.34	6.19	4.52	6.06	4.10	4.94	3.68	4.11
Kings	7.16	6.25	6.20	5.11	5.13	4.79	5.98	5.07	5.03	4.26	4.50
New York	6.40	5.91	6.60	5.42	6.29	5.48	5.27	3.80	4.25	4.55	3.57
Queens	8.00	8.70	7.13	6.76	6.69	5.86	6.23	5.60	5.90	4.49	4.68
Richmond	7.27	5.12	4.30	5.81	4.79	4.26	3.48	5.40	3.63	5.41	6.00
NEW YORK CITY	7.47	6.97	6.49	5.69	5.94	5.15	5.77	4.81	5.01	4.35	4.39
Dutchess	13.42	9.53	12.93	11.48	11.47	8.38	11.71	10.18	10.81	10.35	13.71
Nassau	9.14	9.42	8.00	8.22	7.75	5.75	8.59	7.76	9.42	7.04	6.97
Orange	12.51	13.32	11.94	14.69	10.86	11.40	11.92	9.42	12.87	8.78	10.32
Putnam	15.20	11.51	14.76	17.96	13.31	17.59	14.07	12.85	15.82	10.44	10.29
Rockland	6.72	5.19	6.96	9.08	7.22	5.03	9.29	9.24	7.75	6.28	6.93
Suffolk	14.04	13.05	13.49	10.84	12.28	11.28	10.79	11.81	11.06	10.64	11.40
Westchester	8.33	7.37	6.43	5.97	7.29	7.05	6.03	5.79	5.63	6.06	5.81
NEW YORK SUBURBS	10.91	10.17	9.98	9.46	9.54	8.43	9.32	9.05	10.23	8.97	8.81
DOWNSTATE NY	8.77	8.18	7.81	7.12	7.30	6.39	7.13	6.42	7.00	6.05	6.03
NEW YORK STATE	10.20	9.12	8.93	8.40	8.56	7.98	8.20	7.68	8.02	7.16	7.53
UNITED STATES	14.63	13.70	13.88	13.92	14.17	14.08	13.93	13.72	13.58	13.29	13.27

Source: NYMTC estimates based on statistics from New York State Dept. of Motor Vehicles and Census Bureau
 Source for 2001 : Institute for Traffic Safety Management and Research

TABLE 4
MOTOR VEHICLE CRASHES
RESULTING IN INJURY

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Bronx	11,770	12,071	11,418	10,983	11,249	10,612	10,904	11,071	11,960	13,194	12,447
Kings	24,993	26,425	26,438	26,252	26,286	25,062	25,559	26,721	26,511	27,190	25,229
New York	15,917	16,787	17,088	16,913	16,250	15,824	15,711	15,243	14,679	14,624	14,058
Queens	22,778	23,733	23,299	23,049	23,461	22,000	21,849	23,160	23,875	24,459	23,456
Richmond	4,272	4,486	4,304	4,036	4,188	4,242	4,133	4,204	3,808	3,805	3,976
NEW YORK CITY	79,730	83,502	82,547	81,233	81,434	77,740	78,156	80,399	80,833	83,272	79,166
Dutchess	2,739	2,742	2,733	2,851	2,800	2,901	2,829	2,646	2,818	2,755	2,639
Nassau	17,200	17,388	17,528	17,418	16,997	16,884	16,828	16,933	16,681	17,304	16,528
Orange	3,718	3,801	3,731	3,829	3,631	3,674	3,324	3,364	3,511	3,662	3,524
Putnam	1,053	998	1,046	1,075	960	1,030	1,033	910	954	959	950
Rockland	3,176	3,041	3,153	3,305	3,162	3,206	2,998	2,849	2,930	3,160	2,990
Suffolk	16,562	15,969	16,486	16,437	15,483	15,603	14,656	14,974	14,621	15,233	15,055
Westchester	8,669	8,739	8,740	8,885	8,683	8,822	8,577	8,647	8,409	8,672	8,426
NEW YORK SUBURBS	53,117	52,678	53,417	53,800	51,716	52,120	50,245	50,323	49,924	51,745	50,112
DOWNSTATE NY	132,847	136,180	135,964	135,033	133,150	129,860	128,401	130,722	130,757	135,017	129,278
NEW YORK STATE	189,310	193,391	192,587	191,360	189,201	185,670	182,526	181,766	182,768	188,770	178,772
Downstate % of NYS	70.2	70.4	70.6	70.6	70.4	69.9	70.3	71.9	71.5	71.5	72.3
UNITED STATES	2,210,000	2,216,000	n/a	n/a	2,334,623	2,410,794	2,400,000	2,029,000	2,054,000	2,070,000	2,003,000
Downstate % of Nation	6.0	6.1	n/a	n/a	5.7	5.4	5.4	6.4	6.4	6.5	6.5

Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research

TABLE 5

**MOTOR VEHICLE CRASHES
RESULTING IN PROPERTY DAMAGE**

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Bronx	3,233	2,413	2,322	2,446	2,245	2,233	2,138	2,152	5,931	6,710	5,362
Kings	6,284	4,792	4,342	4,116	3,726	3,328	3,075	3,246	9,157	10,856	8,030
New York	4,591	3,223	3,130	3,387	3,348	3,311	2,939	2,874	8,211	9,913	7,533
Queens	9,299	6,995	6,466	6,120	5,650	5,379	4,718	5,002	10,704	12,019	10,014
Richmond	1,583	1,316	1,148	1,112	1,154	1,007	978	1,092	1,958	2,429	2,180
NEW YORK CITY	24,990	18,739	17,408	17,181	16,123	15,258	13,848	14,366	35,961	41,927	33,119
Dutchess	1,693	1,440	1,330	1,439	1,286	1,589	1,873	3,142	3,730	4,257	3,243
Nassau	10,397	7,982	7,794	7,809	7,098	6,989	9,659	16,066	18,408	20,318	15,676
Orange	1,933	1,527	1,532	1,810	1,594	1,692	2,165	3,471	4,650	5,912	4,623
Putnam	672	590	570	653	573	642	727	1,014	1,172	1,680	1,384
Rockland	1,723	1,430	1,469	1,639	1,540	1,713	1,724	2,404	3,444	4,084	3,059
Suffolk	8,763	6,855	6,652	6,806	5,981	5,973	8,459	14,506	16,633	19,470	15,299
Westchester	6,012	4,769	4,876	5,136	4,755	5,107	5,466	7,615	8,992	10,425	8,879
NEW YORK SUBURBS	31,193	24,593	24,223	25,292	22,827	23,705	30,073	48,218	57,029	66,146	52,163
DOWNSTATE NY	56,183	43,332	41,631	42,473	38,950	38,963	43,921	62,584	92,990	108,073	85,282
NEW YORK STATE	83,758	63,555	62,999	66,296	62,378	63,400	79,590	123,485	172,753	202,117	151,776
Downstate % of NYS	67.1	68.2	66.1	64.1	62.4	61.5	55.2	50.7	53.8	53.5	56.2

Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research

TABLE 6
**TOTAL PERSON FATALITY AND INJURY
 IN ALL CRASHES**

	1998	1999	2000	2001	1998	1999	2000	2001
	Total Fatalities (Persons)				Total Injuries (Persons)			
Bronx	50	60	52	59	16,970	18,469	20,536	19,093
Kings	119	117	111	123	42,610	40,123	41,386	38,981
New York	60	67	72	62	20,959	20,078	19,758	19,755
Queens	119	125	102	107	34,684	36,312	35,282	35,512
Richmond	26	15	25	30	6,339	5,126	4,933	5,654
NEW YORK CITY	374	384	362	381	121,562	120,108	121,895	118,995
Dutchess	27	31	30	42	3,705	4,125	3,860	3,744
Nassau	103	129	98	102	24,728	24,115	25,136	24,076
Orange	36	43	36	38	5,025	5,067	5,318	5,063
Putnam	12	16	10	11	1,384	1,349	1,368	1,308
Rockland	29	26	18	21	4,258	4,231	4,520	4,315
Suffolk	180	170	159	179	21,948	20,725	22,024	21,561
Westchester	53	55	60	57	11,368	11,073	11,526	11,385
NEW YORK SUBURBS	440	470	411	450	72,416	70,685	73,752	71,452
DOWNSTATE NY	814	854	773	831	193,978	190,793	195,647	190,447
NEW YORK STATE	1,505	1,585	1,444	1,554	267,101	264,277	270,299	259,143
Downstate % of NYS	54.1	53.9	53.5	53.5	72.6	72.2	72.4	73.5
UNITED STATES	41,471	41,611	41,821	42,116	3,192,000	3,236,000	3,189,000	3,033,000
Downstate % of Nation	2.0	2.1	1.8	2.0	6.1	5.9	6.1	6.3

Source: Institute for Traffic Safety Management and Research
 Source: 1998-2000 NYS DMV

TABLE 7

**MOTOR VEHICLE CRASHES
BY CONTRIBUTING HUMAN FACTORS**

	New York State Traffic Fatalities by County										
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Bronx	12,852	12,043	10,856	9,830	10,293	10,035	9,936	10,089	16,252	18,748	10,286
Kings	27,608	27,358	27,928	27,448	28,859	26,817	25,843	27,468	36,636	39,450	22,701
New York	18,875	19,083	18,987	18,706	18,276	18,380	17,645	16,875	22,259	24,709	13,957
Queens	25,435	24,555	23,503	22,503	23,119	21,562	20,706	22,415	29,162	30,717	18,926
Richmond	5,310	5,277	4,730	4,296	4,535	4323	4,180	4,295	5,041	5,106	3,688
NEW YORK CITY	90,080	88,316	86,004	82,783	85,082	81,117	78,310	81,142	109,350	118,730	69,558
Dutchess	3,371	3,125	3,109	3,165	3,208	3,452	3,769	4,532	5,111	5,495	3,779
Nassau	20,746	19,591	19,703	19,240	19,579	19,287	23,200	29,918	31,896	34,301	24,063
Orange	4,667	4,502	4,595	4,546	4,505	4,508	4,468	6,008	6,781	7,993	5,351
Putnam	1,368	1,198	1,196	1,252	1,195	1,243	1,375	1,605	1,735	2,199	1,568
Rockland	3,929	3,735	3,696	3,843	4,041	3,989	4,108	4,793	5,710	6,520	4,381
Suffolk	20,954	14,536	19,605	19,039	19,142	18,565	21,393	28,103	29,312	32,640	22,058
Westchester	8,135	7,566	7,475	7,614	7,696	8,081	9,045	10,982	11,855	13,524	9,187
NEW YORK SUBURBS	63,170	54,253	59,379	58,699	59,366	59,125	67,358	85,941	92,400	102,672	70,387
DOWNSTATE NY	153,250	142,569	145,383	141,482	144,448	140,242	145,668	167,083	201,750	221,402	139,945
NEW YORK STATE	224,255	209,304	213,273	210,333	213,552	209,673	222,969	265,169	312,481	344,232	215,599
Downstate % of NYS	68.3	68.1	68.2	67.3	67.6	66.9	65.3	63.0	64.6	64.3	64.9
Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research											

TABLE 8
**MOTOR VEHICLE CRASHES
 BY CONTRIBUTING HUMAN FACTORS
 ALCOHOL INVOLVEMENT**

	1999	2000	2001	2001 a	2001 b
Bronx	220	215	189	1.8	1.2
Kings	322	443	344	1.5	1.1
New York	250	236	225	1.6	1.1
Queens	344	373	316	1.7	1.0
Richmond	59	74	74	2.0	1.3
NEW YORK CITY	1,195	1,341	1,148	1.7	1.1
Dutchess	230	256	218	5.8	4.1
Nassau	584	665	590	2.5	2.0
Orange	269	291	279	5.2	3.6
Putnam	87	98	73	4.7	3.4
Rockland	158	173	175	4.0	3.1
Suffolk	816	924	766	3.5	2.7
Westchester	372	493	432	4.7	2.9
NEW YORK SUBURBS	2,516	2,900	2,533	3.6	2.7
DOWNSTATE NY	3,711	4,241	3,681	2.6	1.9
NEW YORK STATE	9,114	10,090	8,430	3.9	2.8
Downstate % of NYS	40.72	42.03	43.67		

a = % of human factor crashes b = % of all accidents

Source: New York State Dept. of Motor Vehicles

Source for 2001 : Institute for Traffic Safety Management and Research

TABLE 9
**MOTOR VEHICLE CRASHES
 BY CONTRIBUTING VEHICULAR FACTORS**

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Bronx	2,133	1,516	1,248	963	1,021	836	777	804	1,095	1,031	660
Kings	3,116	3,015	3,005	2,931	2,680	2,504	2,321	2,185	2,738	2,637	1,660
New York	1,851	2,053	1,983	1,699	1,422	1,346	1,189	1,084	1,139	1,169	786
Queens	2,722	2,526	2,487	2,235	1,968	1,795	1,753	1,610	2,013	1,902	1,385
Richmond	497	552	508	462	402	393	274	231	228	254	232
NEW YORK CITY	10,319	9,662	9,231	8,290	7,493	6,874	6,314	5,914	7,213	6,993	4,723
Dutchess	195	150	153	143	123	106	160	190	182	225	163
Nassau	651	598	628	550	476	525	499	738	737	773	649
Orange	266	228	216	208	219	232	209	278	291	362	259
Putnam	72	48	56	68	58	57	59	76	91	86	63
Rockland	185	173	161	171	160	177	156	194	232	277	193
Suffolk	797	488	643	608	632	553	679	815	883	884	760
Westchester	523	487	509	434	457	384	441	553	555	645	519
NEW YORK SUBURBS	2,689	2,172	2,366	2,182	2,125	2,034	2,203	2,844	2,971	3,252	2,606
DOWNSTATE NY	13,008	11,834	11,597	10,472	9,618	8,908	8,517	8,758	10,184	10,245	7,329
NEW YORK STATE	16,253	14,809	14,588	13,446	12,423	11,712	11,490	12,805	14,826	15,328	11,030
Downstate % of NYS	80.0	79.9	79.5	77.9	77.4	76.1	74.1	68.4	68.7	66.8	66.4

Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research

TABLE 10
**MOTOR VEHICLE CRASHES
BY CONTRIBUTING ENVIRONMENTAL FACTORS**

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Bronx	2,083	2,082	1,930	1,938	1,830	1,779	1,445	1,484	1,907	2,028	1,294
Kings	3,579	3,541	3,590	3,763	3,699	3,667	2,852	3,045	3,491	3,599	2,595
New York	2,133	2,121	2,190	2,201	1,850	2,038	1,600	1,410	1,823	1,954	1,263
Queens	4,351	4,402	3,964	4,100	3,762	4,096	3,125	2,955	3,811	3,827	2,438
Richmond	1,193	1,370	1,064	1,076	867	1,032	767	788	796	816	641
NEW YORK CITY	13,339	13,516	12,738	13,078	12,008	12,612	9,789	9,682	11,828	12,224	8,231
Dutchess	1,136	1,246	1,163	1,375	1,126	1,399	1,338	1,784	2,160	2,301	1,462
Nassau	5,522	5,584	5,310	5,762	4,423	5,072	4,393	5,127	4,545	5,315	3,723
Orange	1,597	1,627	1,566	1,952	1,497	1,668	1,736	2,102	2,752	3,085	2,095
Putnam	574	598	648	715	513	695	587	615	684	944	683
Rockland	1,232	1,076	1,142	1,449	1,068	1,315	1,034	1,014	1,358	1,558	1,109
Suffolk	5,385	3,735	4,670	5,758	4,127	5,185	4,215	5,235	5,267	6,659	4,392
Westchester	2,723	2,650	2,766	3,268	2,404	2,658	2,286	2,741	2,939	3,378	2,400
NEW YORK SUBURBS	18,169	16,516	17,265	20,279	15,158	17,992	15,589	18,618	19,705	23,240	15,864
DOWNSTATE NY	31,508	30,032	30,003	33,357	27,166	30,604	25,378	28,300	31,533	35,464	24,095
NEW YORK STATE	51,211	50,171	49,748	55,967	47,252	51,706	51,230	58,806	74,181	85,281	53,727
Downstate % of NYS	61.5	59.9	60.3	59.6	57.5	59.2	49.5	48.1	42.5	41.6	44.8

Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research

TABLE 11
TOTAL NUMBER OF VEHICLES
INVOLVED IN ALL TYPE OF CRASHES

	New York State Traffic Fatalities by County, 1991-2001										
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Bronx	28,234	27,205	25,550	25,074	25,071	23,936	24,363	25,044	34,843	38,989	34,756
Kings	60,801	60,250	58,987	58,196	57,218	53,868	54,609	57,498	69,915	75,273	64,904
New York	37,223	36,015	36,255	36,528	35,107	34,085	33,305	32,442	42,644	46,220	40,088
Queens	63,855	60,801	58,657	57,498	57,136	53,954	52,143	55,673	69,076	73,185	67,014
Richmond	11,520	11,361	10,639	10,107	10,438	10,212	10,028	10,416	11,394	12,420	12,219
NEW YORK CITY	201,633	195,632	190,088	187,403	184,970	176,055	174,448	181,073	227,872	246,087	218,981
Dutchess	7,914	7,353	7,192	7,662	7,205	7,859	7,995	9,771	10,808	11,547	9,987
Nassau	55,151	50,402	50,549	50,497	48,241	47,849	53,356	66,224	70,634	75,342	64,479
Orange	9,910	9,330	9,269	10,126	9,100	9,312	9,259	11,696	13,608	16,044	13,765
Putnam	2,980	2,716	2,743	3,036	2,658	2,893	3,029	3,221	3,561	4,358	3,905
Rockland	9,340	8,463	8,889	9,464	8,887	9,361	8,960	10,089	12,098	13,587	11,519
Suffolk	49,441	44,535	44,912	45,384	41,941	42,116	45,322	57,818	60,944	67,185	59,139
Westchester	49,440	25,262	25,609	26,507	25,219	26,298	26,381	30,266	32,309	35,347	32,351
NEW YORK SUBURBS	184,176	148,061	149,163	152,676	143,251	145,688	154,302	189,085	203,962	223,410	195,145
DOWNSTATE NY	385,809	343,693	339,251	340,079	328,221	321,743	328,750	370,158	431,834	469,497	414,126
NEW YORK STATE	511,037	478,966	477,335	483,580	466,820	461,589	482,607	560,734	653,141	714,839	609,334
Downstate % of NYS	75.5	71.8	71.1	70.3	70.3	69.7	68.1	66.0	66.1	65.7	68.0
Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research											

TABLE 12
**TOTAL NUMBER OF VEHICLES
INVOLVED IN CRASHES RESULTING IN FATALITY**

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Bronx	146	132	109	98	111	76	98	81	96	73	89
Kings	275	221	211	174	179	163	195	165	169	166	165
New York	129	115	134	108	141	107	108	74	100	97	74
Queens	248	268	207	217	195	191	185	177	182	146	158
Richmond	47	26	28	38	37	23	18	32	24	39	45
NEW YORK CITY	845	762	689	635	663	560	604	529	571	521	531
Dutchess	57	36	58	46	53	37	50	38	46	48	64
Nassau	189	185	172	158	159	121	177	156	174	160	160
Orange	56	73	63	77	52	56	63	50	62	43	55
Putnam	20	18	20	25	22	27	21	19	26	19	11
Rockland	26	21	36	39	21	20	42	40	29	24	30
Suffolk	292	291	286	248	252	238	235	263	246	258	262
Westchester	292	91	90	77	97	92	81	67	74	93	81
NEW YORK SUBURBS	932	715	725	670	656	591	669	633	657	645	663
DOWNSTATE NY	1,777	1,477	1,414	1,305	1,319	1,151	1,273	1,162	1,228	1,166	1,194
NEW YORK STATE	2,785	2,544	2,473	2,390	2,377	2,227	2,305	2,141	2,233	2,118	2,214
Downstate % of NYS	63.8	58.1	57.2	54.6	55.5	51.7	55.2	54.3	55.0	55.1	53.9

Source: New York State Department of Motor Vehicles
Source for 2001 : Institute for Traffic Safety Management and Research

TABLE 13
TOTAL NUMBER OF VEHICLES
INVOLVED IN CRASHES RESULTING IN INJURY

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Bronx	21,457	22,094	20,727	20,020	20,375	19,303	19,908	20,535	22,693	25,277	23,766
Kings	47,454	49,956	49,646	49,523	49,321	46,874	48,066	50,557	50,855	52,592	48,208
New York	27,709	29,268	29,688	29,455	28,144	27,276	27,168	26,468	25,799	26,036	24,797
Queens	44,353	46,058	45,172	44,780	45,276	42,741	42,247	45,178	47,019	48,429	46,275
Richmond	8,234	8,591	8,254	7,801	8,063	8,161	8,017	8,162	7,397	7,466	7,778
NEW YORK CITY	149,207	155,967	153,487	151,579	151,179	144,355	145,406	150,900	153,763	159,800	150,824
Dutchess	4,869	4,888	4,907	5,145	4,998	5,191	5,005	4,785	5,046	4,854	4,803
Nassau	33,953	34,170	34,700	34,575	33,769	33,660	33,576	33,906	33,462	34,613	33,036
Orange	6,545	6,707	6,666	6,953	6,388	6,498	5,771	5,988	6,188	6,505	6,268
Putnam	1,796	1,710	1,766	1,903	1,664	1,815	1,817	1,578	1,665	1,671	1,654
Rockland	6,045	5,767	6,086	6,357	6,013	6,160	5,727	5,525	5,662	6,103	5,814
Suffolk	31,884	30,756	31,707	31,792	29,941	30,200	28,481	29,166	28,338	29,534	29,289
Westchester	31,883	16,149	16,284	16,669	16,125	16,591	16,139	16,298	15,814	16,359	15,888
NEW YORK SUBURBS	116,975	100,147	102,116	103,394	98,898	100,115	96,516	97,246	96,175	99,639	96,752
DOWNSTATE NY	266,182	256,114	255,603	254,973	250,077	244,470	241,922	248,146	249,938	259,439	247,576
NEW YORK STATE	347,319	355,078	355,104	355,199	347,789	341,836	336,107	337,891	341,089	353,778	334,141
Downstate % of NYS	76.6	72.1	72.0	71.8	71.9	71.5	72.0	73.4	73.3	73.3	74.1
Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research											

TABLE 14
**TOTAL NUMBER OF VEHICLES
INVOLVED IN CRASHES RESULTING IN PROPERTY DAMAGE**

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Bronx	6,631	4,979	4,714	4,956	4,585	4,557	4,357	4,428	12,054	13,639	10,901
Kings	13,072	10,073	9,130	8,499	7,718	6,831	6,348	6,776	18,891	22,515	16,531
New York	9,385	6,632	6,433	6,965	6,822	6,702	6,029	5,900	16,743	20,087	15,217
Queens	19,254	14,475	13,278	12,501	11,665	11,022	9,711	10,318	21,875	24,610	20,581
Richmond	3,239	2,744	2,357	2,268	2,338	2,028	1,993	2,222	3,973	4,915	4,396
NEW YORK CITY	51,581	38,903	35,912	35,189	33,128	31,140	28,438	29,644	73,536	85,766	67,626
Dutchess	2,988	2,429	2,227	2,471	2,154	2,631	2,940	4,948	5,716	6,645	5,120
Nassau	21,009	16,047	15,677	15,764	14,313	14,068	19,603	32,162	36,998	40,569	31,283
Orange	3,309	2,550	2,540	3,096	2,660	2,758	3,425	5,658	7,358	9,496	7,442
Putnam	1,164	988	957	1,108	972	1,051	1,191	1,624	1,870	2,668	2,240
Rockland	3,269	2,675	2,767	3,068	2,853	3,181	3,191	4,524	6,407	7,460	5,675
Suffolk	17,265	13,488	12,919	13,344	11,748	11,678	16,606	28,389	32,360	37,393	29,588
Westchester	17,265	9,022	9,235	9,761	8,997	9,615	10,161	13,901	16,421	18,895	16,382
NEW YORK SUBURBS	66,269	47,199	46,322	48,612	43,697	44,982	57,117	91,206	107,130	123,126	97,730
DOWNSTATE NY	117,850	86,102	82,234	83,801	76,825	76,122	85,555	120,850	180,666	208,892	165,356
NEW YORK STATE	160,933	121,344	119,758	125,991	116,654	117,526	144,195	220,702	309,819	358,943	272,979
Downstate % of NYS	73.2	71.0	68.7	66.5	65.9	64.8	59.3	54.8	58.3	58.2	60.6
Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research											

TABLE 15
MALE DRIVERS INVOLVED IN
MOTOR VEHICLE CRASHES

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Bronx	18,255	17,668	16,559	16,444	16,655	15,819	16,169	16,388	22,432	25,181	21,596
Kings	39,325	39,424	38,784	38,450	38,190	36,046	36,384	38,247	44,968	47,744	40,410
New York	26,778	26,262	26,452	26,703	25,786	25,006	24,535	23,601	30,435	32,646	27,497
Queens	39,758	38,596	37,277	36,797	36,781	34,713	33,041	35,380	43,016	45,475	40,618
Richmond	6,633	6,518	6,058	5,756	5,951	5,826	5,658	5,913	6,375	6,751	6,549
NEW YORK CITY	130,749	128,468	125,130	124,150	123,363	117,410	115,787	119,529	147,226	157,797	136,670
Dutchess	4,379	4,101	3,970	4,293	3,923	4,402	4,433	5,377	6,003	6,452	5,319
Nassau	30,322	27,654	28,170	27,922	26,306	25,966	28,743	35,389	37,750	40,013	33,449
Orange	5,661	5,326	5,381	5,801	5,269	5,305	5,218	6,562	7,668	8,821	7,288
Putnam	1,754	1,554	1,594	1,827	1,519	1,679	1,746	1,875	2,093	2,577	2,239
Rockland	5,286	4,757	5,006	5,346	4,969	5,309	4,954	5,779	6,866	7,813	6,408
Suffolk	27,152	24,596	24,993	24,989	22,688	22,893	24,442	31,093	32,628	35,750	30,841
Westchester	15,192	13,791	13,976	16,618	13,757	14,384	14,334	16,323	17,508	19,181	16,692
NEW YORK SUBURBS	89,746	81,779	83,090	86,796	78,431	79,938	83,870	102,398	110,516	120,607	102,236
DOWNSTATE NY	220,495	210,247	208,220	210,946	201,794	197,348	199,657	221,927	257,742	278,404	238,906
NEW YORK STATE	302,459	285,612	285,176	289,381	278,164	273,882	283,794	326,323	379,303	411,996	341,731
Downstate % of NYS	72.9	73.6	73.0	72.9	72.5	72.1	70.4	68.0	68.0	67.6	69.9
	Source: New York State Dept. of Motor Vehicles					Source for 2001 : Institute for Traffic Safety Management and Research					

TABLE 16
FEMALE DRIVERS INVOLVED IN
MOTOR VEHICLE CRASHES

	New York State Traffic Fatalities by County										
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Bronx	5,229	5,337	5,064	4,836	5,125	5,027	5,086	5,495	7,273	8,107	7,271
Kings	10,840	10,773	10,624	10,481	10,922	10,434	11,080	11,691	14,054	14,965	12,966
New York	4,539	4,389	4,489	4,474	4,578	4,615	4,645	4,710	6,114	6,607	5,796
Queens	14,360	13,572	13,335	12,784	13,444	12,733	12,954	13,658	16,934	17,606	15,923
Richmond	3,613	3,637	3,466	3,280	3,565	3,442	3,469	3,585	3,757	4,109	3,926
NEW YORK CITY	38,581	37,708	36,978	35,855	37,634	36,251	37,234	39,139	48,132	51,394	45,882
Dutchess	3,117	2,970	2,942	3,060	2,984	3,139	3,225	3,888	4,262	4,482	3,783
Nassau	20,244	19,105	19,019	18,801	18,597	18,630	20,801	25,329	26,487	28,094	23,399
Orange	3,638	3,599	3,496	3,812	3,406	3,598	3,593	4,506	5,157	6,088	5,181
Putnam	1,103	1,059	1,070	1,103	1,035	1,091	1,171	1,219	1,324	1,530	1,381
Rockland	3,543	3,296	3,485	3,599	3,459	3,575	3,478	3,716	4,457	4,883	4,131
Suffolk	18,647	16,827	17,046	17,451	16,648	16,762	17,866	22,210	23,234	25,163	21,569
Westchester	10,171	9,523	9,459	9,573	9,319	9,717	9,948	11,409	11,986	12,798	11,404
NEW YORK SUBURBS	60,463	56,379	56,517	57,399	55,448	56,512	60,082	72,277	76,907	83,038	70,848
DOWNSTATE NY	99,044	94,087	93,495	93,254	93,082	92,763	97,316	111,416	125,039	134,432	116,730
NEW YORK STATE	154,618	146,794	146,955	148,439	147,956	148,723	158,181	184,806	208,410	227,235	189,444
Downstate % of NYS	64.1	64.1	63.6	62.8	62.9	62.4	61.5	60.3	60.0	59.2	61.6
Source: New York State Dept. of Motor Vehicles					Source for 2001 : Institute for Traffic Safety Management and Research						

TABLE 17
1990 MOTOR VEHICLE CRASHES

BY AGE OF FEMALE DRIVERS

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

Source for 2001 : Institute for Traffic Safety Management and Research

TABLE 18
2000 MOTOR VEHICLE CRASHES

BY AGE OF FEMALE DRIVERS

AGE	NY CITY	NY SUBURBS	NY METR. REGION	NY STATE
UNDER 18	523	3,431	3,954	8,989
18-20	2,816	7,095	9,911	20,320
21-24	5,165	7,470	12,635	22,582
25-29	7,404	8,188	15,592	24,782
30-39	14,518	18,994	33,512	52,999
40-49	10,642	16,631	27,273	44,631
50-59	5,887	10,498	16,385	26,695
60-64	1,422	2,912	4,334	7,043
65-69	924	2,304	3,228	5,377
70-74	756	2,172	2,928	5,102
75-79	513	1,693	2,206	4,161
80 AND OVER	381	1,369	1,750	3,604
UNSPECIFIED AGE	443	281	724	950
TOTAL	51,394	83,038	134,432	227,235

BY AGE OF MALE DRIVER

AGE	NY CITY	NY SUBURBS	NY METR. REGION	NY STATE
UNDER 18	1,488	5,024	6,512	13,503
18-20	8,257	11,223	19,480	34,553
21-24	15,411	11,735	27,146	40,872
25-29	20,957	12,728	33,685	46,929
30-39	44,179	26,932	71,111	97,883
40-49	32,962	22,225	55,187	79,109
50-59	18,432	14,419	32,851	48,918
60-64	5,224	4,390	9,614	14,319
65-69	3,149	3,411	6,560	10,229
70-74	2,196	2,962	5,158	8,469
75-79	1,462	2,233	3,695	6,326
80 AND OVER	1,200	2,051	3,251	5,724
UNSPECIFIED AGE	2,880	1,274	4,154	5,162
TOTAL	157,797	120,607	278,404	411,996

Source: New York State Dept. of Motor Vehicles

Source for 2001 : Institute for Traffic Safety Management and Research

TABLE 19 2001 MOTOR VEHICLE CRASHES

BY AGE OF FEMALE DRIVER

AGE	NY CITY	NY SUBURBS	NY METR. REGION	NY STATE
UNDER 16	21	42	63	214
16-17	393	2,848	3,241	6,759
18-20	2,448	5,905	8,353	15,702
21-24	4,579	6,459	11,038	17,498
25-29	6,455	6,846	13,301	18,834
30-34	6,577	7,342	13,919	19,672
35-39	6,304	8,337	14,641	20,538
40-44	5,533	7,938	13,471	19,287
45-49	4,162	6,398	10,560	15,281
50-54	3,304	5,442	8,746	12,542
55-59	2,216	3,830	6,046	8,675
60-64	1,358	2,602	3,960	5,682
65-69	821	2,032	2,853	4,111
70-74	602	1,834	2,436	3,777
75-79	487	1,575	2,062	3,344
80 AND OVER	365	1,228	1,593	2,951
UNSPECIFIED AGE	257	190	447	14,577
TOTAL	45,882	70,848	116,730	189,444

BY AGE OF MALE DRIVER

AGE	NY CITY	NY SUBURBS	NY METR. REGION	NY STATE
UNDER 16	84	85	169	450
16-17	1,115	3,842	4,957	9,687
18-20	7,045	9,010	16,055	26,097
21-24	12,886	9,972	22,858	31,484
25-29	17,858	10,466	28,324	35,264
30-34	19,001	10,974	29,975	36,850
35-39	18,886	11,673	30,559	37,210
40-44	16,790	10,872	27,662	34,461
45-49	12,870	8,661	21,531	27,587
50-54	10,009	7,299	17,308	22,478
55-59	6,910	5,335	12,245	15,660
60-64	4,585	3,872	8,457	10,862
65-69	2,792	2,913	5,705	7,692
70-74	1,954	2,588	4,542	6,312
75-79	1,276	2,045	3,321	4,780
80 AND OVER	1,106	1,873	2,979	4,535
UNSPECIFIED AGE	1,503	756	2,259	30,322
TOTAL	136,670	102,236	238,906	341,731

Source: New York State Dept. of Motor Vehicles

Source for 2001 : Institute for Traffic Safety Management and Research

TABLE 20
**VEHICULAR/PEDESTRIAN CRASHES
 AT INTERSECTION**

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Bronx	1,704	1,673	1,475	1,484	1,473	1,384	1,356	1,296	1,190	1,169	1,268
Kings	3,244	3,216	3,257	3,023	3,059	2,936	2,909	2,939	2,708	2,761	2,837
New York	3,195	3,276	3,301	3,256	3,045	3,031	2,977	2,872	2,549	2,288	2,325
Queens	1,905	1,915	1,844	1,877	1,978	1,849	1,769	1,877	1,721	1,641	1,744
Richmond	189	196	243	206	209	214	188	165	202	183	235
NEW YORK CITY	10,237	10,276	10,120	9,846	9,764	9,414	9,199	9,149	8,370	8,042	8,409
Dutchess	42	37	29	35	43	38	45	42	41	34	27
Nassau	510	525	530	567	562	551	578	554	614	577	519
Orange	47	66	38	50	53	55	59	41	57	54	48
Putnam	8	9	7	13	10	7	5	4	6	7	11
Rockland	47	62	59	56	69	54	61	48	67	69	52
Suffolk	311	322	301	309	271	315	283	293	286	248	276
Westchester	387	363	411	331	335	322	362	367	370	368	344
NEW YORK SUBURBS	1,352	1,384	1,375	1,361	1,343	1,342	1,393	1,349	1,441	1,357	1,277
DOWNSTATE NY	11,589	11,660	11,495	11,207	11,107	10,756	10,592	10,498	9,811	9,399	9,686
NEW YORK STATE	13,054	13,157	12,888	12,665	12,500	12,070	11,794	11,705	11,020	10,580	10,772
Downstate % of NYS	88.8	88.6	89.2	88.5	88.9	89.1	89.8	89.7	89.0	88.8	89.9

Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research

TABLE 21
**VEHICULAR/PEDESTRIAN CRASHES
 NOT AT INTERSECTION (MID-BLOCK)**

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Bronx	1,035	998	942	798	842	760	781	744	792	689	699
Kings	1,692	1,785	1,815	1,636	1,689	1,546	1,495	1,458	1,417	1,330	1,285
New York	1,367	1,439	1,279	1,312	1,356	1,291	1,193	1,227	1,088	1,191	1,061
Queens	1,155	1,215	1,061	1,001	983	1,082	930	983	1,019	900	865
Richmond	155	156	187	168	167	148	148	149	144	158	136
NEW YORK CITY	5,404	5,593	5,284	4,915	5,037	4,827	4,547	4,561	4,460	4,268	4,046
Dutchess	75	65	71	57	60	62	68	48	55	29	42
Nassau	482	479	484	495	464	417	448	462	418	447	445
Orange	118	77	95	136	101	81	83	64	100	99	68
Putnam	16	19	21	15	10	17	24	23	13	17	18
Rockland	79	87	77	106	101	84	98	79	84	81	95
Suffolk	434	401	457	416	378	345	353	317	342	345	304
Westchester	343	405	359	375	353	330	361	398	356	325	281
NEW YORK SUBURBS	1,547	1,533	1,564	1,600	1,467	1,336	1,435	1,391	1,368	1,343	1,253
DOWNSTATE NY	6,951	7,126	6,848	6,515	6,504	6,163	5,982	5,952	5,828	5,611	5,299
NEW YORK STATE	8,885	9,094	8,644	8,414	8,141	7,785	7,531	7,490	7,308	7,067	6,706
Downstate % of NYS	78.2	78.4	79.2	77.4	79.9	79.2	79.4	79.5	79.7	79.4	79.0

Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research

TABLE 22
**TOTAL PEDESTRIAN FATALITIES
 IN VEHICULAR/PEDESTRIAN CRASHES**

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Bronx	63	45	42	38	35	30	27	20	29	25	29
Kings	76	75	89	71	69	71	71	70	66	60	59
New York	65	65	62	60	65	56	54	42	37	50	39
Queens	66	68	67	52	57	49	66	48	48	38	45
Richmond	6	7	4	2	10	7	4	1	6	7	14
NEW YORK CITY	276	260	264	223	236	213	222	181	186	180	186
Dutchess	3	5	4	2	3	3	6	1	4	1	2
Nassau	30	44	25	31	31	17	31	34	47	28	34
Orange	9	6	5	3	4	3	6	2	8	1	3
Putnam	2	2	1	2	0	1	0	0	1	1	2
Rockland	6	4	3	8	4	1	4	3	8	4	3
Suffolk	44	43	44	23	42	29	25	43	34	33	30
Westchester	17	16	12	17	16	13	10	19	8	11	9
NEW YORK SUBURBS	111	120	94	86	100	67	82	102	110	79	83
DOWNSTATE NY	387	380	358	309	336	280	304	283	296	259	269
NEW YORK STATE	482	479	449	408	428	397	374	372	383	335	358
Downstate % of NYS	80.3	79.3	79.7	75.7	78.5	70.5	81.3	76.1	77.3	77.3	75.1

Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research

TABLE 23
TOTAL BICYCLISTS KILLED OR INJURED
IN VEHICULAR/BICYCLE CRASHES

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Bronx	499	516	621	598	715	703	728	615	501	510	433
Kings	1,352	1,415	1,591	1,608	1,932	1,935	1,856	1,741	1,461	1,329	1,341
New York	1,284	1,362	1,563	1,491	1,557	1,570	1,666	1,476	1,342	1,153	1,140
Queens	753	796	943	895	995	966	1,009	949	863	735	705
Richmond	143	147	116	117	132	132	145	136	107	97	82
NEW YORK CITY	4,031	4,236	4,834	4,709	5,331	5,306	5,404	4,917	4,274	3,824	3,701
Dutchess	83	87	75	76	67	65	71	60	46	64	51
Nassau	830	776	723	685	700	622	646	645	598	584	577
Orange	120	107	93	79	86	94	90	90	77	75	78
Putnam	14	10	11	14	11	7	8	5	13	5	14
Rockland	92	82	58	65	65	71	63	68	70	52	51
Suffolk	644	657	618	589	627	551	601	627	592	527	520
Westchester	260	244	253	225	251	239	211	234	213	180	176
NEW YORK SUBURBS	2,043	1,963	1,831	1,733	1,807	1,649	1,690	1,729	1,609	1,487	1,467
DOWNSTATE NY	6,074	6,199	6,665	6,442	7,138	6,955	7,094	6,646	5,883	5,311	5,168
NEW YORK STATE	8,691	8,516	9,068	8,538	9,341	9,118	9,189	8,671	7,828	7,095	6,791
Downstate % of NYS	69.9	72.8	73.5	75.5	76.4	76.3	77.2	76.6	75.2	74.9	76.1

Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research

TABLE 24
**TOTAL BICYCLISTS FATALITIES
 IN VEHICULAR/BICYCLE CRASHES**

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Bronx	4	3	1	0	2	2	3	6	5	0	2
Kings	14	2	6	5	6	3	10	4	11	8	8
New York	3	7	4	6	6	8	4	3	5	2	4
Queens	3	4	3	4	6	3	2	5	6	4	0
Richmond	0	1	0	0	0	0	1	0	0	1	1
NEW YORK CITY	24	17	14	15	20	16	20	18	27	15	15
Dutchess	1	1	0	1	0	0	1	3	0	0	1
Nassau	3	3	4	7	4	2	2	2	2	2	3
Orange	2	0	1	0	2	0	1	1	0	3	2
Putnam	0	1	0	0	0	0	0	0	0	0	0
Rockland	1	0	0	0	0	2	1	0	1	0	0
Suffolk	9	6	5	5	6	9	6	10	4	5	8
Westchester	1	1	2	1	2	0	0	0	1	1	0
NEW YORK SUBURBS	17	12	12	14	14	13	11	16	8	11	14
DOWNSTATE NY	41	29	26	29	34	29	31	34	35	26	29
NEW YORK STATE	74	50	42	47	51	44	49	53	45	38	42
Downstate % of NYS	55.4	58.0	61.9	61.7	66.7	65.9	63.3	64.2	77.8	68.4	69.0

Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research

TABLE 25
BRONX COUNTY
CRASHES ON ROAD SYSTEM BY JURISDICTION

	1992			1993			1994			1995			1996		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj
Total	14,573	89	12,071	13,819	79	11,418	13,493	64	10,983	13,568	74	11,249	12,899	54	10,611
State Routes	21	0	19	39	0	30	35	0	28	36	0	26	26	0	21
County Routes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Town Routes	5	0	5	1	0	0	0	0	0	1	0	1	1	0	0
Municipal Streets	11,430	70	9,582	10,809	60	9,078	10,566	48	8,705	10,584	55	8,994	9,979	41	8,405
Parkways	815	8	639	775	8	596	711	6	567	705	6	542	723	3	574
Thruway	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
Other Interstate	2,234	11	1,790	2,167	11	1,699	2,159	10	1,669	2,203	13	1,673	2,138	10	1,600
Unspecified	68	0	36	27	0	15	22	0	14	38	0	13	32	0	11
	1997			1998			1999			2000			2001		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj
Total	13,114	72	10,904	13,272	49	11,071	17,950	59	11,960	19,953	49	13,194	17,864	55	12,447
State Routes	44	0	37	18	0	13	41	0	25	27	0	18	31	0	22
County Routes	0	0	0	0	0	0	2	0	0	3	0	2	3	0	2
Town Routes	3	0	2	10	0	5	3	1	0	5	0	3	28	0	20
Municipal Streets	10,136	51	8,583	10,303	39	8,719	13,608	43	9,349	15,384	33	10,587	13,905	41	9,997
Parkways	729	9	564	731	2	590	911	5	582	930	4	567	819	3	533
Thruway	0	0	0	0	0	0	29	0	15	15	0	9	0	0	0
Other Interstate	2,177	12	1,713	2,197	8	1,739	3,347	10	1,984	3,547	12	1,982	2,978	11	1,791
Unspecified	25	0	5	13	0	5	9	0	5	42	0	26	100	0	82
Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research															

TABLE 26
KINGS COUNTY
CRASHES ON ROAD SYSTEM BY JURISDICTION

	1992			1993			1994			1995			1996		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj
Total	31,360	143	26,425	30,922	142	26,438	30,485	117	26,252	30,129	117	26,286	28,504	109	25,062
State Routes	114	1	95	134	1	110	129	0	119	169	0	141	119	1	99
County Routes	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Town Routes	1	0	0	2	0	1	6	0	5	1	0	1	4	0	3
Municipal Streets	28,736	123	24,357	28,308	128	24,274	27,792	104	23,998	27,350	104	23,970	26,067	99	23,033
Parkways	1,198	9	936	1,248	9	1,030	1,373	6	1,138	1,299	9	1,084	1,147	5	969
Thruway	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0
Other Interstate	1,275	10	1,008	1,203	4	1,000	1,154	7	966	1,279	4	1,074	1,161	4	953
Unspecified	36	0	29	27	0	23	28	0	24	31	0	16	6	0	5
	1997			1998			1999			2000			2001		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj
Total	28,768	134	25,559	30,081	115	26,720	35,782	114	26,511	38,151	105	27,190	33,370	111	25,229
State Routes	109	3	95	88	1	79	102	1	81	125	0	94	108	0	87
County Routes	0	0	0	0	0	0	1	0	1	9	0	2	3	0	2
Town Routes	1	0	1	1	0	0	0	0	0	2	0	1	63	0	58
Municipal Streets	26,223	112	23,429	27,382	101	24,459	32,334	101	24,132	34,472	92	24,845	29,988	100	22,776
Parkways	1,275	9	1,078	1,303	11	1,099	1,562	9	1,169	1,697	10	1,183	1,483	8	1,091
Thruway	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0
Other Interstate	1,148	10	950	1,280	2	1,071	1,746	3	1,104	1,817	3	1,045	1,555	3	1,069
Unspecified	12	0	6	27	0	12	37	0	24	27	0	19	170	0	146
Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research															

TABLE 27
NEW YORK COUNTY
CRASHES ON ROAD SYSTEM BY JURISDICTION

	1992			1993			1994			1995			1996			
	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	20,098	88	16,787	20,317	99	17,088	20,382	82	16,913	19,694	96	16,250	19,219	84	15,825
	State Routes	36	0	34	29	0	23	41	0	31	51	0	28	40	0	26
	County Routes	1	0	1	0	0	0	0	0	0	2	0	2	1	0	0
	Town Routes	3	0	3	1	0	1	1	0	1	3	0	3	3	0	3
	Municipal Streets	17,844	76	14,981	18,087	81	15,345	18,056	70	15,228	17,298	83	14,541	16,805	73	14,128
	Parkways	1,546	9	1,240	1,545	17	1,221	1,434	11	1,154	1,469	13	1,171	1,516	9	1,212
Thruway	2	0	2	1	0	1	3	0	2	0	0	0	0	0	0	
Other Interstate	621	3	499	627	1	481	815	1	475	849	0	492	841	2	448	
Unspecified	45	0	27	27	0	16	32	0	22	22	0	13	13	0	8	
	1997			1998			1999			2000			2001			
	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	18,731	81	15,711	18,176	59	15,243	22,956	66	14,679	24,609	70	14,624	21,646	55	14,058
	State Routes	40	0	26	37	1	23	56	0	31	77	0	36	79	0	53
	County Routes	0	0	0	0	0	0	0	0	0	13	0	3	6	0	1
	Town Routes	0	0	0	2	0	0	2	0	2	4	0	3	27	0	19
	Municipal Streets	16,671	67	14,168	16,085	51	13,630	20,297	53	13,078	21,738	60	12,929	19,130	50	12,503
	Parkways	1,428	13	1,146	1,537	7	1,230	1,863	13	1,227	2,150	10	1,349	1,828	5	1,161
Thruway	0	0	0	2	0	1	3	0	2	0	0	0	0	0	0	
Other Interstate	575	1	363	503	0	355	723	0	331	608	0	291	447	0	216	
Unspecified	17	0	8	10	0	4	12	0	8	19	0	13	129	0	105	
Source: New York State Dept. of Motor Vehicles																
Source for 2001 : Institute for Traffic Safety Management and Research																

TABLE 28
QUEENS COUNTY
CRASHES ON ROAD SYSTEM BY JURISDICTION

	1992			1993			1994			1995			1996		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj
Total	30,898	170	23,733	29,905	140	23,299	29,302	133	23,049	29,243	132	23,461	27,703	116	22,205
State Routes	124	0	91	55	0	42	31	1	24	46	0	34	35	0	26
County Routes	1	0	0	1	0	0	1	0	1	0	0	0	0	0	0
Town Routes	4	0	2	2	0	1	3	1	1	1	0	1	1	0	1
Municipal Streets	24,985	142	19,267	24,128	118	18,843	23,765	105	18,727	23,792	106	19,165	22,510	93	18,131
Parkways	2,797	13	2,109	2,708	11	2,098	2,614	13	2,042	2,555	9	2,036	2,385	10	1,899
Thruway	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Other Interstate	2,894	15	2,220	2,936	11	2,288	2,830	12	2,224	2,820	17	2,212	2,756	13	2,139
Unspecified	93	0	44	75	0	27	58	1	30	29	0	13	15	0	9
	1997			1998			1999			2000			2001		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj
Total	26,690	123	21,849	28,274	112	23,160	34,697	118	23,875	36,578	100	24,459	33,574	104	23,456
State Routes	32	0	25	22	0	15	58	1	31	63	0	42	90	2	60
County Routes	0	0	0	1	0	0	1	0	0	8	0	4	4	0	2
Town Routes	1	0	1	3	0	3	3	0	1	3	0	3	99	0	73
Municipal Streets	21,709	96	17,832	22,807	86	18,819	27,711	92	19,229	29,315	75	19,780	26,471	78	18,667
Parkways	2,384	12	1,968	2,550	10	2,064	3,394	13	2,342	3,627	13	2,436	3,366	15	2,320
Thruway	1	0	0	0	0	0	2	0	1	2	0	2	0	0	0
Other Interstate	2,538	15	2,014	2,850	16	2,245	3,498	12	2,259	3,522	12	2,173	3,411	9	2,220
Unspecified	25	0	9	41	0	14	30	0	12	38	0	19	133	0	114
Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research															

TABLE 29
RICHMOND COUNTY
CRASHES ON ROAD SYSTEM BY JURISDICTION

	New York State Traffic Fatalities and Injuries by Route Type and Year														
	1992-1996														
	1992			1993			1994			1995			1996		
	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj.
Total	5,822	20	4,486	5,469	17	4,304	5,171	23	4,036	5,361	19	4,188	5,268	17	4,244
State Routes	94	2	71	93	2	70	101	0	84	109	3	69	119	0	96
County Routes	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Town Routes	1	0	0	0	0	0	1	0	1	2	0	1	0	0	0
Municipal Streets	5,242	18	4,028	4,900	14	3,851	4,616	22	3,592	4,659	15	3,667	4,543	16	3,672
Parkways	20	0	18	9	0	6	16	0	12	9	0	6	30	0	24
Thruway	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Other Interstate	448	0	359	440	1	365	427	1	344	569	1	439	562	1	445
Unspecified	17	0	10	27	0	12	9	0	3	13	0	6	13	0	7
	1997			1998			1999			2000			2001		
	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj.
Total	5,125	14	4,133	5,318	22	4,204	5,781	15	3,808	6,258	24	3,805	6,183	27	3,976
State Routes	75	1	55	109	2	85	127	1	70	97	1	50	91	0	59
County Routes	0	0	0	0	0	0	1	0	0	0	0	0	13	0	7
Town Routes	1	0	1	0	0	0	1	0	1	0	0	0	14	0	9
Municipal Streets	4,529	12	3,656	4,696	16	3,724	4,952	12	3,344	5,307	20	3,315	5,256	24	3,431
Parkways	49	0	43	46	2	32	30	1	14	42	0	23	18	1	10
Thruway	0	0	0	0	0	0	1	0	1	1	0	1	0	0	0
Other Interstate	460	1	373	456	2	357	663	1	375	796	3	411	754	2	436
Unspecified	11	0	5	11	0	6	6	0	3	15	0	5	37	0	24
Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research															

TABLE 30
NEW YORK CITY
CRASHES ON ROAD SYSTEM BY JURISDICTION

	New York State Traffic Fatalities and Injuries by Route Type and Year															
	1992			1993			1994			1995			1996			
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj	
	Total	102,751	510	83,502	100,432	477	82,547	98,833	419	81,233	97,995	438	81,434	93,593	380	77,947
	State Routes	389	3	310	350	3	275	337	1	286	411	3	298	339	1	268
	County Routes	2	0	1	1	0	0	3	0	2	2	0	2	1	0	0
	Town Routes	14	0	10	6	0	3	11	1	8	8	0	7	9	0	7
	Municipal Streets	88,237	429	72,215	86,232	401	71,391	84,795	349	70,250	83,683	363	70,337	79,904	322	67,369
	Parkways	6,376	39	4,942	6,285	45	4,951	6,148	36	4,913	6,037	37	4,839	5,801	27	4,678
	Thruway	2	0	2	2	0	1	5	0	3	1	0	0	2	0	0
Other Interstate	7,472	39	5,876	7,373	28	5,833	7,385	31	5,678	7,720	35	5,890	7,458	30	5,585	
Unspecified	259	0	146	183	0	93	149	1	93	133	0	61	79	0	40	
1997			1998			1999			2000			2001				
Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj		
Total	92,428	424	78,156	95,121	357	80,398	117,166	372	80,831	125,549	348	83,272	112,637	352	79,166	
State Routes	300	4	238	274	4	215	384	3	238	389	1	240	399	2	281	
County Routes	0	0	0	1	0	0	5	0	1	33	0	11	29	0	14	
Town Routes	6	0	5	16	0	8	9	1	4	14	0	10	231	0	179	
Municipal Streets	79,268	338	67,668	81,273	293	69,351	98,902	301	69,130	106,216	280	71,456	94,750	293	67,374	
Parkways	5,865	43	4,799	6,167	32	5,015	7,760	41	5,334	8,446	37	5,558	7,514	32	5,115	
Thruway	1	0	0	2	0	1	35	0	19	20	0	13	0	0	0	
Other Interstate	6,898	39	5,413	7,286	28	5,767	9,977	26	6,053	10,290	30	5,902	9,145	25	5,732	
Unspecified	90	0	33	102	0	41	94	0	52	141	0	82	569	0	471	
Source: New York State Dept. of Motor Vehicles				Source for 2001 : Institute for Traffic Safety Management and Research												

TABLE 31
DUTCHESS COUNTY
CRASHES ON ROAD SYSTEM BY JURISDICTION

	New York State Department of Motor Vehicles															
	1992			1993			1994			1995			1996			
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj	
	Total	4,207	25	2,742	4,097	34	2,733	4,320	30	2,851	4,116	30	2,800	4,512	22	2,900
	State Routes	2,164	13	1,442	2,127	18	1,421	2,239	17	1,539	2,025	14	1,408	2,283	11	1,520
	County Routes	734	6	478	666	8	434	652	3	421	724	5	510	713	2	467
	Town Routes	533	3	329	519	5	339	549	1	331	573	2	358	580	1	347
	Municipal Streets	459	0	328	491	1	369	487	1	345	449	3	332	523	2	360
	Parkways	215	2	109	198	0	115	226	5	118	221	5	120	247	6	122
	Thruway	1	0	1	0	0	0	2	0	1	1	0	1	0	0	0
Other Interstate	84	1	49	80	2	52	134	3	88	110	1	68	143	0	80	
Unspecified	17	0	6	16	0	3	31	0	8	13	0	3	23	0	4	
1997			1998			1999			2000			2001				
Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj		
Total	4,731	31	2,829	5,815	27	2,646	6,577	29	2,818	7,041	29	2,755	5,921	39	2,639	
State Routes	2,384	17	1,464	2,963	11	1,397	3,262	16	1,467	3,449	14	1,427	3,041	17	1,417	
County Routes	801	5	461	1,033	8	450	1,152	5	470	1,190	10	453	778	9	364	
Town Routes	563	2	327	743	5	302	832	2	324	991	4	371	931	6	392	
Municipal Streets	547	1	377	561	2	325	605	1	338	641	0	294	672	0	321	
Parkways	270	4	111	294	1	89	424	2	129	425	1	114	255	6	67	
Thruway	1	0	1	3	0	1	5	0	1	4	0	0	0	0	0	
Other Interstate	135	2	76	151	0	65	211	3	71	265	0	81	166	1	53	
Unspecified	30	0	12	67	0	17	86	0	18	76	0	15	78	0	25	
Source: New York State Dept. of Motor Vehicles																
Source for 2001 : Institute for Traffic Safety Management and Research																

TABLE 32
NASSAU COUNTY
CRASHES ON ROAD SYSTEM BY JURISDICTION

	1992			1993			1994			1995			1996		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj
Total	25,492	122	17,388	25,426	104	17,528	25,333	107	17,418	24,196	101	16,997	23,951	75	16,884
State Routes	6,024	29	4,236	5,836	30	4,135	5,809	30	4,054	5,470	27	3,970	5,416	20	3,916
County Routes	7,027	19	4,934	12	0	10	27	0	21	48	0	38	21	0	13
Town Routes	4,803	35	3,052	8,737	35	5,876	8,994	34	6,137	8,621	39	5,895	8,455	25	5,819
Municipal Streets	3,953	23	2,692	7,107	16	4,966	6,890	26	4,770	6,995	23	4,988	6,751	15	4,856
Parkways	2,821	14	1,967	2,842	18	1,986	2,694	14	1,874	2,190	9	1,558	2,367	14	1,708
Thruway	1	0	0	2	0	1	3	0	1	4	0	3	5	0	3
Other Interstate	661	2	441	736	5	515	714	3	497	690	3	496	757	1	532
Unspecified	202	0	66	154	0	39	202	0	64	178	0	49	179	0	37

	1997			1998			1999			2000			2001		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj
Total	26,598	112	16,828	33,100	101	16,933	35,212	123	16,681	37,716	94	17,304	32,297	93	16,528
State Routes	5,898	31	3,818	7,010	21	3,757	7,704	33	3,749	8,346	33	3,999	6,796	33	3,765
County Routes	22	1	10	35	0	22	82	0	33	105	0	57	133	1	75
Town Routes	9,776	44	5,867	12,678	39	6,089	13,035	46	5,751	13,875	26	5,911	12,522	29	6,006
Municipal Streets	7,354	20	4,724	8,959	20	4,760	9,503	21	4,745	10,135	22	4,893	8,432	18	4,402
Parkways	2,496	13	1,801	3,384	20	1,808	3,757	23	1,887	4,018	8	1,903	3,379	9	1,799
Thruway	3	0	2	4	0	1	1	0	1	8	0	2	0	0	0
Other Interstate	888	3	558	894	1	446	964	0	470	1,081	5	500	749	3	368
Unspecified	161	0	48	136	0	50	166	0	45	148	0	39	286	0	113

Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research

TABLE 33
ORANGE COUNTY
CRASHES ON ROAD SYSTEM BY JURISDICTION

	1992			1993			1994			1995			1996		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj
Total	5,370	42	3,801	5,301	38	3,731	5,686	47	3,829	5,260	35	3,631	5,404	37	3,674
State Routes	2,540	25	1,808	2,551	23	1,827	2,707	26	1,896	2,387	19	1,672	2,515	16	1,784
County Routes	727	5	515	627	5	440	678	7	448	682	4	464	713	8	478
Town Routes	656	5	458	690	6	458	671	6	423	717	7	493	615	5	402
Municipal Streets	1,036	2	749	999	1	736	1,134	1	757	1,010	1	731	995	1	684
Parkways	41	0	28	46	1	22	22	1	13	32	0	20	51	0	31
Thruway	176	4	114	164	1	114	196	3	135	181	2	100	197	2	124
Other Interstate	149	1	111	162	1	116	229	3	148	224	2	140	249	5	148
Unspecified	45	0	18	62	0	18	49	0	9	27	0	11	69	0	23
	1997			1998			1999			2000			2001		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj
Total	5,528	39	3,324	6,866	31	3,364	8,204	43	3,511	9,604	30	3,662	8,183	36	3,524
State Routes	2,435	18	1,501	3,223	19	1,617	3,776	25	1,648	4,317	15	1,726	3,569	21	1,629
County Routes	766	7	457	837	6	431	1,060	2	465	1,114	6	435	714	4	274
Town Routes	705	6	420	874	1	395	1,156	5	435	1,410	4	489	1,450	4	594
Municipal Streets	1,074	5	671	1,280	3	655	1,429	5	688	1,836	0	723	1,606	2	696
Parkways	38	0	22	35	0	17	50	1	18	60	0	17	45	1	23
Thruway	196	1	100	270	1	115	352	3	107	385	1	117	309	4	118
Other Interstate	229	2	125	271	1	116	337	2	138	401	4	142	339	0	141
Unspecified	85	0	28	76	0	18	44	0	12	81	0	13	151	0	49
Source: New York State Dept. of Motor Vehicles						Source for 2001 : Institute for Traffic Safety Management and Research									

TABLE 34
PUTNAM COUNTY
CRASHES ON ROAD SYSTEM BY JURISDICTION

	1992			1993			1994			1995			1996		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj
Total	1,598	10	998	1,629	13	1,046	1,744	16	1,075	1,545	12	960	1,688	16	1,030
State Routes	757	6	486	776	3	493	878	10	578	790	7	505	778	9	513
County Routes	307	2	191	302	7	207	273	2	169	253	2	177	296	2	194
Town Routes	265	1	167	258	2	157	273	1	154	255	0	149	283	0	155
Municipal Streets	8	0	2	10	0	3	26	0	14	9	0	4	15	0	6
Parkways	129	1	73	149	1	102	140	2	82	94	0	52	164	4	87
Thruway	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
Other Interstate	130	0	78	130	0	84	146	1	78	135	3	70	140	1	75
Unspecified	2	0	1	1	0	0	8	0	0	9	0	3	12	0	0
	1997			1998			1999			2000			2001		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj
Total	1,773	13	1,033	1,936	12	910	2,141	15	954	2,649	10	959	2,344	10	950
State Routes	874	4	537	910	3	463	848	10	409	1,208	7	486	1,119	5	493
County Routes	305	4	195	344	2	183	382	2	184	397	1	160	259	2	114
Town Routes	245	0	139	291	3	131	370	1	181	464	1	158	534	0	195
Municipal Streets	32	0	11	23	0	13	21	0	9	35	0	10	27	0	5
Parkways	137	2	57	182	0	50	222	1	81	242	0	63	153	2	63
Thruway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Interstate	174	3	93	173	4	66	284	1	86	288	1	80	230	1	78
Unspecified	6	0	1	13	0	4	14		4	15	0	2	22	0	2
Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research															

TABLE 35
ROCKLAND COUNTY
CRASHES ON ROAD SYSTEM BY JURISDICTION

	1992			1993			1994			1995			1996		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj
Total	4,486	14	3,041	4,641	19	3,153	4,969	25	3,305	4,722	20	3,162	4,935	14	3,206
State Routes	1,774	7	1,230	1,857	10	1,324	1,805	7	1,273	1,761	5	1,244	1,781	8	1,265
County Routes	881	3	626	889	3	615	952	5	651	842	6	546	936	1	593
Town Routes	736	0	459	772	3	487	843	2	493	908	4	559	883	1	504
Municipal Streets	423	1	306	434	1	303	496	4	345	506	1	362	543	1	365
Parkways	315	2	185	305	1	189	387	2	250	338	4	206	370	2	215
Thruway	335	1	227	355	1	229	445	5	278	332	0	233	394	1	256
Other Interstate	0	0	0	0	0	0	2	0	0	13	0	5	9	0	3
Unspecified	22	0	8	29	0	6	39	0	15	22	0	7	19	0	5
	1997			1998			1999			2000			2001		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj
Total	4,748	26	2,998	5,279	26	2,849	6,395	22	2,929	7,262	18	3,160	6,069	20	2,990
State Routes	1,806	11	1,183	1,986	11	1,176	2,216	13	1,119	2,534	6	1,219	2,100	6	1,153
County Routes	810	4	514	861	2	484	1,024	3	470	1,002	3	469	542	2	267
Town Routes	830	3	489	883	4	447	1,089	0	454	1,265	0	522	1,419	4	675
Municipal Streets	542	1	354	608	2	320	653	2	322	761	2	353	762	3	377
Parkways	350	4	219	355	3	191	585	3	255	728	2	260	371	2	161
Thruway	380	3	226	558	4	224	791	1	298	893	5	312	749	3	309
Other Interstate	6	0	4	3	0	1	5	0	2	10	0	2	12	0	5
Unspecified	24	0	9	25	0	6	32	0	9	69	0	23	114	0	43
Source: New York State Dept. of Motor Vehicles															
Source for 2001 : Institute for Traffic Safety Management and Research															

TABLE 36
SUFFOLK COUNTY
CRASHES ON ROAD SYSTEM BY JURISDICTION

	1992			1993			1994			1995			1996		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj
Total	22,998	174	15,969	23,319	181	16,486	23,388	146	16,437	21,630	166	15,483	21,732	153	15,602
State Routes	8,236	65	5,687	8,125	60	5,744	8,127	45	5,739	7,573	52	5,356	7,643	54	5,497
County Routes	5,352	49	3,893	5,382	50	3,973	5,197	45	3,892	4,790	41	3,603	4,890	45	3,722
Town Routes	7,074	44	4,875	7,411	53	5,165	7,612	40	5,196	7,024	51	4,997	6,984	41	4,898
Municipal Streets	838	2	545	796	4	535	841	3	535	796	6	542	796	4	532
Parkways	698	7	493	801	10	558	799	7	568	705	10	520	665	4	476
Thruway	1	0	1	3	0	3	0	0	0	2	0	2	0	0	0
Other Interstate	594	7	396	677	4	470	657	6	454	567	6	399	623	5	437
Unspecified	205	0	79	124	0	38	155	0	53	173	0	64	131	0	40
	1997			1998			1999			2000			2001		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj
Total	23,261	147	14,656	29,642	162	14,974	31,405	153	14,619	34,854	151	15,233	30,518	164	15,055
State Routes	8,084	48	5,110	10,053	54	5,134	10,596	61	5,023	11,510	50	5,225	10,004	59	5,165
County Routes	5,483	48	3,670	6,851	40	3,756	7,279	44	3,661	7,838	43	3,710	6,096	33	3,122
Town Routes	7,422	41	4,484	9,871	43	4,710	10,222	32	4,505	11,785	46	4,782	10,997	49	5,188
Municipal Streets	856	3	485	1,121	7	475	1,325	1	500	1,437	2	512	1,282	9	530
Parkways	616	3	429	693	9	391	886	9	451	1,040	6	489	902	7	473
Thruway	0	0	0	0	0	0	1	0	1	2	0	0	0	0	0
Other Interstate	689	4	442	901	9	478	945	6	447	1,044	4	455	911	4	464
Unspecified	111	0	36	152	0	30	151	0	31	198	0	60	326	3	113
Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research															

TABLE 37
WESTCHESTER COUNTY
CRASHES ON ROAD SYSTEM BY JURISDICTION

	1992-1996												1997-2001																	
	1992			1993			1994			1995			1996			1997			1998			1999			2000			2001		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj
Total	13,573	65	8,739	13,673	57	8,440	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	17,451	51	8,408	19,153	56	8,672	17,359	54	8,426
State Routes	3,904	24	2,483	3,941	20	2,501	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	5,175	16	2,389	5,421	20	2,399	4,755	15	2,271
County Routes	1,625	1	1,035	1,501	4	988	1,392	9	906	1,345	6	890	1,321	2	889	1,226	5	781	1,374	3	823	1,213	4	691	1,126	3	595	844	2	461
Town Routes	1,066	3	630	1,050	4	323	1,135	4	667	1,052	4	607	1,076	5	568	1,149	1	588	1,351	4	561	1,572	7	587	1,866	4	655	1,958	2	856
Municipal Streets	4,099	16	2,719	4,169	12	2,710	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	4,896	12	2,899	5,277	6	2,941	5,423	10	3,013
Parkways	1,721	13	1,111	1,780	13	1,176	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	2,445	6	1,019	2,942	14	1,232	2,141	13	978
Thruway	542	5	395	576	2	408	600	2	387	614	5	434	733	2	506	644	2	407	710	6	357	946	2	452	1,058	4	379	980	4	418
Other Interstate	518	3	332	545	2	313	562	4	338	524	2	311	575	4	332	628	6	358	846	2	351	990	3	335	1,252	5	430	958	8	343
Unspecified	98	0	34	111	0	21	132	0	34	133	0	46	139	0	36	148	0	45	222	0	71	214	1	36	211	0	41	300	0	86
Source: New York State Dept. of Motor Vehicles				Source for 2001 : Institute for Traffic Safety Management and Research																										

TABLE 38
NEW YORK SUBURBS
CRASHES ON ROAD SYSTEM BY JURISDICTION

	1992			1993			1994			1995			1996		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj
Total	77,723	452	52,678	78,086	446	53,117	79,512	424	53,799	74,971	429	51,716	76,214	380	52,118
State Routes	25,399	169	17,372	25,213	164	17,445	25,612	153	17,668	23,853	151	16,647	24,417	138	17,041
County Routes	16,653	85	11,672	9,379	77	6,667	9,171	71	6,508	8,684	64	6,228	8,890	60	6,356
Town Routes	15,132	91	9,970	19,437	108	12,805	20,077	88	13,401	19,150	107	13,058	18,876	78	12,693
Municipal Streets	10,816	44	7,341	14,006	35	9,622	14,409	46	9,628	14,081	45	9,718	13,972	35	9,570
Parkways	5,940	39	3,966	6,121	44	4,148	5,937	36	4,006	5,251	38	3,620	5,662	48	3,817
Thruway	1,056	10	738	1,103	4	755	1,246	10	802	1,134	7	773	1,329	5	889
Other Interstate	2,136	14	1,407	2,330	14	1,550	2,444	20	1,603	2,263	17	1,489	2,496	16	1,607
Unspecified	591	0	212	497	0	125	616	0	183	555	0	183	572	0	145

	1997			1998			1999			2000			2001		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj
Total	80,736	422	50,245	98,948	411	50,322	107,385	436	49,920	118,279	388	51,745	102,691	416	50,112
State Routes	25,700	150	16,164	30,981	132	16,046	33,577	174	15,804	36,785	145	16,481	31,384	156	15,893
County Routes	9,413	74	6,088	11,335	61	6,149	12,192	60	5,974	12,772	66	5,879	9,366	53	4,677
Town Routes	20,690	97	12,314	26,691	99	12,635	28,276	93	12,237	31,656	85	12,888	29,811	94	13,906
Municipal Streets	14,483	39	9,275	17,103	47	9,426	18,432	42	9,501	20,122	32	9,726	18,204	42	9,344
Parkways	5,912	36	3,833	7,363	44	3,649	8,369	45	3,840	9,455	31	4,078	7,246	40	3,564
Thruway	1,224	6	736	1,545	11	698	2,096	6	860	2,350	10	810	2,038	11	845
Other Interstate	2,749	20	1,656	3,239	17	1,523	3,736	15	1,549	4,341	19	1,690	3,365	17	1,452
Unspecified	565	0	179	691	0	196	707	1	155	798	0	193	1,277	3	431

Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research

TABLE 39
**DOWNSTATE NEW YORK
CRASHES ON ROAD SYSTEM BY JURISDICTION**

	1992			1993			1994			1995			1996		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj
Total	180,474	962	136,180	178,518	923	135,664	178,345	843	135,032	172,966	867	133,150	169,807	760	130,065
State Routes	25,788	172	17,682	25,563	167	17,720	25,949	154	17,954	24,264	154	16,945	24,756	139	17,309
County Routes	16,655	85	11,673	9,380	77	6,667	9,174	71	6,510	8,686	64	6,230	8,891	60	6,356
Town Routes	15,146	91	9,980	19,443	108	12,808	20,088	89	13,409	19,158	107	13,065	18,885	78	12,700
Municipal Streets	99,053	473	79,556	100,238	436	81,013	99,204	395	79,878	97,764	408	80,055	93,876	357	76,939
Parkways	12,316	78	8,908	12,406	89	9,099	12,085	72	8,919	11,288	75	8,459	11,463	75	8,495
Thruway	1,058	10	740	1,105	4	756	1,251	10	805	1,135	7	773	1,331	5	889
Other Interstate	9,608	53	7,283	9,703	42	7,383	9,829	51	7,281	9,983	52	7,379	9,954	46	7,192
Unspecified	850	0	358	680	0	218	765	1	276	688	0	244	651	0	185
	1997			1998			1999			2000			2001		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj
Total	173,164	846	128,401	194,069	768	130,720	224,551	808	130,751	243,828	736	135,017	215,328	768	129,278
State Routes	26,000	154	16,402	31,255	136	16,261	33,961	177	16,042	37,174	146	16,721	31,783	158	16,174
County Routes	9,413	74	6,088	11,336	61	6,149	12,197	60	5,975	12,805	66	5,890	9,395	53	4,691
Town Routes	20,696	97	12,319	26,707	99	12,643	28,285	94	12,241	31,670	85	12,898	30,042	94	14,085
Municipal Streets	93,751	377	76,943	98,376	340	78,777	117,334	343	78,631	126,338	312	81,182	112,954	335	76,718
Parkways	11,777	79	8,632	13,530	76	8,664	16,129	86	9,174	17,901	68	9,636	14,760	72	8,679
Thruway	1,225	6	736	1,547	11	699	2,131	6	879	2,370	10	823	2,038	11	845
Other Interstate	9,647	59	7,069	10,525	45	7,290	13,713	41	7,602	14,631	49	7,592	12,510	42	7,184
Unspecified	655	0	212	793	0	237	801	1	207	939	0	275	1,846	3	902
Source: New York State Dept. of Motor Vehicles															
Source for 2001 : Institute for Traffic Safety Management and Research															

TABLE 40
NEW YORK STATE
CRASHES ON ROAD SYSTEM BY JURISDICTION

	1992			1993			1994			1995			1996		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj.	Total Crashes	Fatal	Pers. Inj
Total	258,109	1,642	193,067	256,741	1,621	192,277	258,612	1,521	191,035	252,663	1,545	188,926	249,911	1,446	185,289
State Routes	57,993	544	41,154	58,639	536	41,707	59,147	524	41,280	57,184	499	40,151	58,454	496	40,634
County Routes	29,347	231	21,157	21,895	235	15,786	21,566	200	15,384	21,353	214	15,165	21,733	205	15,246
Town Routes	21,811	164	14,840	26,003	188	17,623	27,331	170	18,323	26,730	188	18,153	26,321	158	17,555
Municipal Streets	120,765	527	95,897	121,901	497	96,952	121,776	448	95,967	119,405	476	95,802	114,903	424	92,118
Parkways	12,449	80	8,970	12,548	90	9,183	12,243	73	9,018	11,408	75	8,523	11,608	77	8,574
Thruway	2,375	30	1,629	2,560	23	1,719	2,805	31	1,701	2,774	26	1,725	2,989	19	1,881
Other Interstate	11,946	66	8,859	12,091	52	8,965	12,470	74	8,939	12,695	67	9,039			
Unspecified	1,423	0	561	1,104	0	342	1,274	1	423	1,114	0	368	12,771	67	8,946
													1,132	0	335
	1997			1998			1999			2000			2001		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj
Total	262,965	1,487	182,188	306,646	1,395	181,766	356,981	1,460	182,768	392,245	1,358	188,770	331,979	1,431	178,772
State Routes	63,449	496	39,198	77,406	448	37,526	89,026	497	38,177	98,058	453	39,421	78,269	489	36,384
County Routes	23,941	209	14,726	29,398	217	14,299	33,144	232	14,004	36,151	205	14,222	23,106	183	10,576
Town Routes	29,387	170	17,356	37,274	160	17,222	41,289	163	16,995	47,618	164	18,137	47,022	203	20,911
Municipal Streets	116,777	432	91,326	127,583	403	92,748	150,049	387	92,391	162,121	366	95,097	142,085	375	89,795
Parkways	11,948	81	8,693	13,754	76	8,721	16,428	87	9,246	18,216	68	9,712	14,933	73	8,742
Thruway	3,229	23	1,706	4,075	27	1,649	5,419	23	1,857	6,132	27	1,853	4,820	34	1,767
Northway				819	4	328	1,066	9	360	1,181	3	345	n/a	n/a	n/a
Other Interstate	13,013	76	8,828	14,767	60	8,830	18,918	61	9,340	20,716	72	9,464	17,638	70	9,074
Unspecified	1,221	0	355	1,570	0	443	1,642	1	398	2,052	0	519	4,106	4	1,523

Source: New York State Dept. of Motor Vehicles n/a - Not Available
Source for 2001 : Institute for Traffic Safety Management and Research

TABLE 41
**DOWNSTATE % OF NEW YORK STATE
CRASHES ON ROAD SYSTEM BY JURISDICTION**

	1992			1993			1994			1995			1996		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj
Total	69.9	58.6	70.5	69.5	56.9	70.6	69.0	55.4	70.7	68.5	56.1	70.5	67.9	52.6	70.2
State Routes	44.5	31.6	43.0	43.6	31.2	42.5	43.9	29.4	43.5	42.4	30.9	42.2	42.4	28.0	42.6
County Routes	56.8	36.8	55.2	42.8	32.8	42.2	42.5	35.5	42.3	40.7	29.9	41.1	40.9	29.3	41.7
Town Routes	69.4	55.5	67.3	74.8	57.4	72.7	73.5	52.4	73.2	71.7	56.9	72.0	71.7	49.4	72.3
Municipal Streets	82.0	89.8	83.0	82.2	87.7	83.6	81.5	88.2	83.2	81.9	85.7	83.6	81.7	84.2	83.5
Parkways	98.9	97.5	99.3	98.9	98.9	99.1	98.7	98.6	98.9	98.9	100.0	99.2	98.8	97.4	99.1
Thruway	44.5	33.3	45.4	43.2	17.4	44.0	44.6	32.3	47.3	40.9	26.9	44.8	44.5	26.3	47.3
Other Interstate	80.4	80.3	82.2	80.2	80.8	82.4	78.8	68.9	81.5	78.6	77.6	81.6	0.0	0.0	0.0
Unspecified	59.7	0.0	63.8	61.6	0.0	63.7	60.0	100.0	65.2	61.8	0.0	66.3	77.9	68.7	80.4
													57.5	0.0	55.2
	1997			1998			1999			2000			2001		
	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj	Total Crashes	Fatal	Pers. Inj
Total	65.9	56.9	70.5	63.5	55.2	72.0	62.9	55.3	71.5	62.2	54.2	71.5	64.9	53.7	72.3
State Routes	41.0	31.0	41.8	40.4	30.4	43.3	38.1	35.6	42.0	37.9	32.2	42.4	40.6	32.3	44.5
County Routes	39.3	35.4	41.3	38.6	28.1	43.0	36.8	25.9	42.7	35.4	32.2	41.4	40.7	29.0	44.4
Town Routes	70.4	57.1	71.0	71.7	61.9	73.4	68.5	57.7	72.0	66.5	51.8	71.1	63.9	46.3	67.4
Municipal Streets	80.3	87.3	84.3	77.1	84.4	84.9	78.2	88.6	85.1	77.9	85.2	85.4	79.5	89.3	85.4
Parkways	98.6	97.5	99.3	98.4	100.0	99.3	98.2	98.9	99.2	98.3	100.0	99.2	98.8	98.6	99.3
Thruway	37.9	26.1	43.1	38.0	40.7	42.4	39.3	26.1	47.3	38.6	37.0	44.4	42.3	32.4	47.8
Northway	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	1.1	0.0	0.0	0.0	n/a	n/a	n/a
Other Interstate	74.1	77.6	80.1	71.3	75.0	82.6	72.5	67.2	81.4	70.6	68.1	80.2	70.9	60.0	79.2
Unspecified	53.6	0.0	59.7	50.5	0.0	53.5	48.8	100.0	52.0	45.8	0.0	53.0	45.0	75.0	59.2
Source: New York State Dept. of Motor Vehicles															
Source for 2001 : Institute for Traffic Safety Management and Research															

TABLE 42
2001 CRASHES BY CENTERLINE MILES

	Centerline Miles By County & Route			Percent of Centerline Miles by County & Route			Accidents By County & Route			Percent of Accidents by County & Route		
	A	B	C	A	B	C	A	B	C	A	B	C
Bronx	31.7	734.2	0.0	22.5	12.6	0.0	31	17,830		7.8	15.9	
Kings	19.1	1,491.5	0.0	13.6	25.7	0.0	108	33,259		27.1	29.6	
New York	14.5	517.3	0.0	10.3	8.9	0.0	79	21,561		19.8	19.2	
Queens	54.1	2,353.3	0.0	38.4	40.5	0.0	90	33,480		22.6	29.8	
Richmond	21.5	711.7	0.0	15.3	12.3	0.0	91	6,079		22.8	5.4	
NEW YORK CITY	140.9	5,808.0	0.0	100.0	100.0	0.0	399	112,209		100.0	100.0	
Dutchess	370.5	1,597.9	393.2	17.1	9.3	18.7	3,041	2,102	778	9.7	3.4	8.3
Nassau	214.1	3,404.7	499.5	9.9	19.8	23.8	6,796	25,368	133	21.7	41.0	1.4
Orange	398.1	1,725.7	314.9	18.4	10.0	15.0	3,569	3,900	714	11.4	6.3	7.6
Putnam	133.8	572.2	117.5	6.2	3.3	5.6	1,119	966	259	3.6	1.6	2.8
Rockland	98.2	826.8	168.4	4.5	4.8	8.0	2,100	3,427	542	6.7	5.5	5.8
Suffolk	497.6	6,371.3	432.3	23.0	37.0	20.6	10,004	14,418	6,096	31.9	23.3	65.1
Westchester	452.1	2,705.2	175.8	20.9	15.7	8.4	4,755	11,760	844	15.2	19.0	9.0
NEW YORK SUBURBS	2,164.3	17,203.8	2,101.7	100.0	100.0	100.0	31,384	61,941	9,366	100.0	100.0	100.0
DOWNSTATE NY	2,305.2	23,011.8	2,101.7				31,783	174,150	9,366			
NEW YORK STATE	15,656.6	76,073.0	20,393.3				78,269	230,604	23,106			
Downstate % of NYS	14.7	30.2	10.3				40.6	75.5	40.5			
Where: A = State Route, B = Town Village or City Route, C = County Route Source: New York State Dept. of Motor Vehicles Source for 2001 : Institute for Traffic Safety Management and Research												

Notes on reading this chart:

- Centerline miles is the number of miles by type for a county; example Bronx has 31.7 state route miles, 734.2 town, village or city miles.
- Percent of centerline miles is the percent of route miles for an area. For example, the Bronx has 22.5% of the state route miles for New York City while Westchester has 8.4% of county miles in the suburbs.
- Accidents by county and route are the number of accidents by county for route type. For example, Kings county had 108 accidents on state routes while Dutchess had 3,041 accidents on state routes. But Kings county has 19.1 miles of state route while Dutchess has 370.5 miles of state route.
- Percent of accidents by county and route indicates the percent of accidents by route in an area. For example the Bronx had 7.8% of the accidents in New York City on state routes.
- To put all these figures in perspective examine the Bronx and Kings county figures for state routes.
The Bronx has 22.5%% of the New York City state route roads but only 7.8% of the accidents on New York City state route roads.
Kings county has 13.6%% of the New York City state route roads but 27.1% of the accidents on New York City state route roads.

TABLE 43
TWO VEHICLE COLLISIONS
BY MANNER OF COLLISION

	1999			2000			2001		
	New York State	Suburbs	New York City	New York State	Suburbs	New York City	New York State	Suburbs	New York City
Rear End	79,172	27,792	27,293	86,821	30,757	29,482	73,007	26,227	26,139
Overtaking	35,866	10,468	16,998	42,633	12,339	20,438	30,340	9,002	14,715
Left Turn	26,385	9,666	7,424	26,580	9,738	7,474	21,030	7,949	6,366
Right Angle	56,136	17,520	19,566	62,829	19,620	21,614	51,719	16,333	18,076
Right Turn	7,116	2,385	2,544	7,285	2,483	2,660	5,566	1,898	2,255
Head On	3,959	1,390	828	4,193	1,458	921	3,495	1,279	740
Sideswipe	7,444	2,363	2,139	8,406	2,760	2,428	5,885	2,032	1,704
All Other/ Unknown	15,287	4,292	6,330	15,462	4,360	6,461	25,932	8,174	10,033
	231,365	75,876	83,122	254,209	83,515	91,478	216,974	72,894	80,028
Source: New York State Dept. of Motor Vehicles				Two vehicle accidents include parked vehicles					
Source for 2001 : Institute for Traffic Safety Management and Research									

TABLE 44
2001 VEHICLE CRASHES
BY DAY OF WEEK

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Bronx	2,111	2,664	2,566	2,451	2,537	2,901	2,634
Kings	4,287	4,961	4,727	4,565	4,901	5,256	4,673
New York	2,575	3,045	3,037	3,088	3,277	3,613	3,011
Queens	4,147	4,912	4,758	4,657	5,102	5,268	4,730
Richmond	697	927	900	861	958	996	844
NEW YORK CITY	13,817	16,509	15,988	15,622	16,775	18,034	15,892
Dutchess	683	861	842	809	852	1,054	820
Nassau	3,180	5,023	4,885	4,647	4,981	5,454	4,127
Orange	967	1,224	1,107	1,154	1,207	1,458	1,066
Putnam	267	347	378	283	356	412	301
Rockland	702	1,020	817	829	936	1,075	690
Suffolk	3,075	4,571	4,437	4,465	4,516	5,217	4,237
Westchester	1,858	2,692	2,667	2,437	2,560	3,011	2,134
NEW YORK SUBURBS	10,732	15,738	15,133	14,624	15,408	17,681	13,375
DOWNSTATE NY	24,549	32,247	31,121	30,246	32,183	35,715	29,267
NEW YORK STATE	37,193	48,425	47,177	46,681	49,686	57,078	45,739
Source: New York State Dept. of Motor Vehicles							
Source for 2001 : Institute for Traffic Safety Management and Research							

TABLE 45
2001 VEHICLE CRASHES
BY VEHICLE TYPE

	Passenger Car	Motorcycle	Bus/Taxi/School Bus For Hire	Emergency Vehicle	Truck/ Tractor	Towing Vehicle	All Other
Bronx	24,439	233	3,431	314	2,939	57	3,343
Kings	48,012	416	5,350	540	4,720	115	5,751
New York	23,291	409	7,376	420	4,678	59	3,855
Queens	51,771	383	4,441	370	4,431	96	5,522
Richmond	9,890	112	424	64	726	14	989
NEW YORK CITY	157,403	1,553	21,022	1,708	17,494	341	19,460
Dutchess	8,287	103	150	47	913	12	475
Nassau	55,127	360	1,626	212	3,672	62	3,420
Orange	10,922	156	287	48	1,596	22	734
Putnam	3,225	34	74	21	371	6	174
Rockland	9,471	68	350	30	877	19	704
Suffolk	48,656	449	1,118	156	4,725	73	3,962
Westchester	26,318	223	909	89	2,184	27	2,601
NEW YORK SUBURBS	162,006	1,393	4,514	603	14,338	221	12,070
DOWNSTATE NY	319,409	2,946	25,536	2,311	31,832	562	31,530
NEW YORK STATE	467,336	4,903	28,286	2,949	61,873	763	43,224
Downstate % of NYS	68.3	60.1	90.3	78.4	51.4	73.7	72.9

Source: New York State Dept. of Motor Vehicles
Source for 2001 : Institute for Traffic Safety Management and Research

TABLE 46
2001 ANNUAL VEHICLE CRASHES
BY TIME OF DAY

	12am-3am	3am-6am	6am-9am	9am-noon	noon-3pm	3pm-6pm	6pm-9pm	9pm-mid	Unknown
Bronx	908	660	1,747	2,260	2,994	3,812	2,966	2,007	510
Kings	1,734	1,046	3,088	4,511	5,826	6,738	5,347	4,074	1,006
New York	1,447	1,033	1,860	3,045	3,600	4,024	3,392	2,621	624
Queens	1,630	1,219	3,704	4,429	5,418	6,993	5,399	3,645	1,137
Richmond	239	200	684	786	1,135	1,402	959	522	256
New York City	5,958	4,158	11,083	15,031	18,973	22,969	18,063	12,869	3,533
Dutchess	226	225	695	692	955	1,357	913	546	312
Nassau	936	695	3,634	4,641	6,245	7,895	4,667	2,300	1,284
Orange	357	302	912	1,016	1,362	1,853	1,295	702	384
Putnam	116	84	354	331	382	494	335	176	72
Rockland	246	199	786	780	1,183	1,370	863	451	191
Suffolk	1,063	864	3,498	4,208	5,914	7,110	4,207	2,353	1,301
Westchester	659	518	2,291	2,500	3,105	3,869	2,312	1,248	857
New York Suburbs	3,603	2,887	12,170	14,168	19,146	23,948	14,592	7,776	4,401
Downstate	9,561	7,045	23,253	29,199	38,119	46,917	32,655	20,645	7,934
NY State	15,122	11,357	36,753	42,986	57,901	73,320	49,560	31,479	13,501
Downstate % of NYS	63.2	62.0	63.3	67.9	65.8	64.0	65.9	65.6	58.8

Source: NYS DMV
Source for 2001 : Institute for Traffic Safety Management and Research

TABLE 47
TRANSIT ACCIDENTS
METROPOLITAN TRANSPORTATION AUTHORITY

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
BUS TRANSIT											
MTA/NEW YORK CITY TRANSIT											
Total Accidents	47	49	63	64	62	46	43	56	47	47	55
Fatalities	5	4	10	3	5	6	5	4	9	4	10
Injuries	233	274	243	282	323	273	208	410	291	351	296
MTA/LONG ISLAND BUS											
Total Accidents	4	4	4	6	1	7	3	9	9	6	3
Fatalities	0	1	0	0	1	0	0	0	0	3	1
Injuries	1	18	18	27	0	29	19	45	62	15	2
TOTAL BUS TRANSIT											
Total Accidents	51	53	67	70	63	53	46	65	56	53	58
Fatalities	5	5	10	3	6	6	5	4	9	7	11
Injuries	234	292	261	309	323	302	227	455	353	366	298
RAIL RAPID TRANSIT											
MTA/NEW YORK CITY TRANSIT											
Total Accidents	23	21	19	13	12	15	10	10	12	10	9
Fatalities	18	9	3	4	4	3	2	4	3	4	0
Injuries	189	105	103	22	126	62	98	7	69	113	16
MTA/STATEN ISLAND RAILWAY											
Total Accidents	2	0	1	0	1	3	0	1	1	1	1
Fatalities	0	0	0	0	0	0	0	0	0	0	0
Injuries	0	0	2	0	0	0	0	0	0	0	0
TOTAL RAIL RAPID TRANSIT											
Total Accidents	25	21	20	13	13	18	10	11	13	11	10
Fatalities	18	9	3	4	4	3	2	4	3	4	0
Injuries	189	105	105	22	126	62	98	7	69	113	16
SUBURBAN RAIL											
MTA/METRO-NORTH RAILROAD											
Total Accidents	1	2	4	7	4	7	6	7	1	4	1
Fatalities	1	0	0	0	0	1	0	0	0	0	0
Injuries	3	1	2	3	20	0	1	4	0	0	0
MTA/LONG ISLAND RAIL ROAD											
Total Accidents	22	15	18	11	21	26	22	14	8	13	15
Fatalities	4	3	5	3	5	8	4	2	2	1	5
Injuries	12	10	1	6	69	15	2	2	3	8	12
TOTAL SUBURBAN RAIL											
Total Accidents	23	17	22	18	25	33	28	21	9	17	16
Fatalities	5	3	5	3	5	9	4	2	2	1	5
Injuries	15	11	3	9	89	15	3	6	3	8	12
TOTAL TRANSIT ACCIDENTS											
Total Accidents	99	91	109	101	101	104	84	97	78	81	84
Fatalities	28	17	18	10	15	18	11	10	14	12	16
Injuries	438	408	369	340	538	379	328	468	425	487	326

Source: New York State Public Transportation Safety Board

TABLE 48
**TRANSIT ACCIDENTS RATIO
 PER MILLION RIDERS**

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
BUS TRANSIT											
MTA/NEW YORK CITY TRANSIT	0.103	0.109	0.141	0.142	0.135	0.094	0.079	0.091	0.071	0.067	0.059
MTA/LONG ISLAND BUS	0.202	0.220	0.216	0.316	0.054	0.273	0.112	0.319	0.307	0.201	0.097
TOTAL BUS TRANSIT	0.107	0.113	0.144	0.149	0.132	0.103	0.081	0.101	0.080	0.073	0.061
RAIL RAPID TRANSIT											
MTA/NEW YORK CITY TRANSIT	0.023	0.021	0.018	0.012	0.011	0.014	0.009	0.008	0.009	0.007	0.005
MTA/STATEN ISLAND RAILWAY	0.370	0.000	0.196	0.000	0.196	0.600	0.000	0.278	0.256	0.244	0.252
TOTAL RAIL RAPID TRANSIT	0.025	0.021	0.019	0.012	0.012	0.016	0.009	0.009	0.010	0.008	0.006
SUBURBAN RAIL											
MTA/METRO-NORTH RAILROAD	0.018	0.035	0.069	0.116	0.066	0.114	0.096	0.108	0.015	0.056	0.014
MTA/LONG ISLAND RAIL ROAD	0.313	0.214	0.251	0.150	0.285	0.349	0.290	0.174	0.097	0.153	0.147
TOTAL SUBURBAN RAIL	0.182	0.134	0.170	0.135	0.186	0.243	0.202	0.145	0.060	0.109	0.092
TOTAL TRANSIT ACCIDENTS	0.062	0.057	0.067	0.061	0.059	0.059	0.046	0.049	0.037	0.036	0.029

TABLE 49
**TRANSIT ACCIDENTS RATIO
 PER MILLION MILES TRAVELED**

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
BUS TRANSIT											
MTA/NEW YORK CITY TRANSIT	0.514	0.546	0.711	0.713	0.700	0.482	0.441	0.617	0.498	0.475	0.556
MTA/LONG ISLAND BUS	0.430	0.440	0.440	0.659	0.110	0.686	0.313	0.938	0.789	0.508	0.246
TOTAL BUS TRANSIT	0.506	0.536	0.686	0.709	0.645	0.502	0.429	0.648	0.530	0.479	0.522
RAIL RAPID TRANSIT											
MTA/NEW YORK CITY TRANSIT	0.078	0.069	0.064	0.043	0.038	0.049	0.032	0.033	0.038	0.031	0.028
MTA/STATEN ISLAND RAILWAY	0.952	0.000	0.556	0.000	0.556	1.429	0.000	0.476	0.476	0.500	0.466
TOTAL RAIL RAPID TRANSIT	0.084	0.068	0.067	0.043	0.041	0.058	0.031	0.035	0.041	0.034	0.030
SUBURBAN RAIL											
MTA/METRO-NORTH RAILROAD	0.029	0.054	0.107	0.186	0.106	0.167	0.138	0.155	0.021	0.082	0.020
MTA/LONG ISLAND RAIL ROAD	0.396	0.274	0.330	0.201	0.375	0.476	0.380	0.241	0.139	0.228	0.261
TOTAL SUBURBAN RAIL	0.254	0.186	0.239	0.195	0.267	0.342	0.276	0.203	0.086	0.161	0.150
TOTAL TRANSIT ACCIDENTS	0.203	0.183	0.224	0.209	0.200	0.203	0.160	0.190	0.149	0.150	0.154

