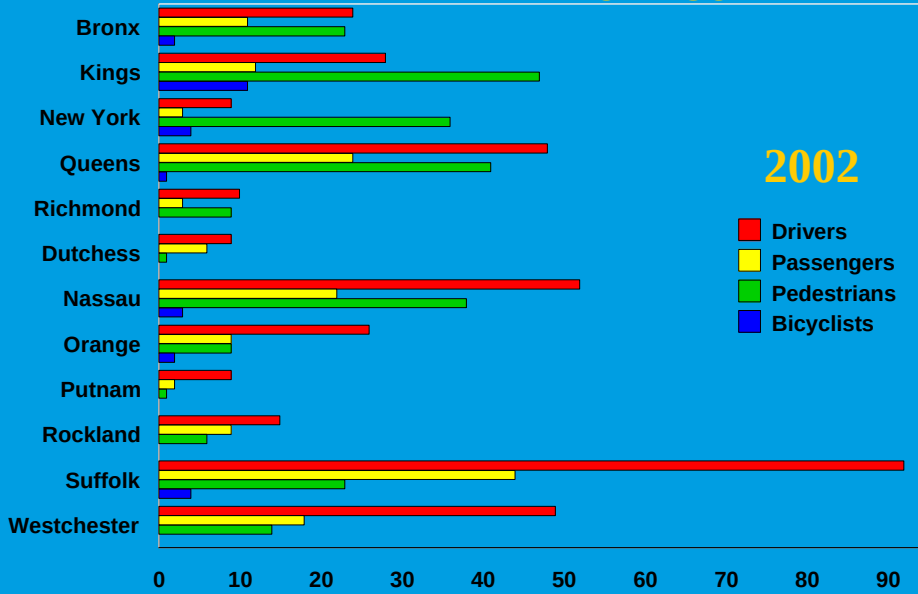


# NEW YORK METROPOLITAN TRANSPORTATION COUNCIL

## MOTOR VEHICLE CRASHES RESULTING IN FATALITY BY CATEGORY



# TRANSPORTATION SAFETY



2002

January 2006

# REPORT



This New York Metropolitan Transportation Council report was compiled and written by **Salvatore Mamone**, Transportation Analyst, under the supervision of **Leokadia Glogowski**, Senior Transportation Analyst. Preparation was funded by the Federal Highway and Federal Transit Administrations of the United States Department of Transportation, and the New York State Department of Transportation. The contents of this report reflect the views of the author who is responsible for the fact and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the Federal Highway and Transit administrators or the State of New York. This report does not constitute a standard, specification, or regulation.

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NYMTC appreciates the cooperation of all the agencies that have provided information for the **2002 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**  
**2002 MOTOR VEHICLE CRASH DATA**

| 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      | 28,911  | 1                     | Suffolk     | 151 | 1                     | Kings       | 23,698  | 1                            | Nassau      | 8,236  | 1                             | Nassau      | 14,631 | 1                                 | Kings       | 1,613 |
| 2                     | Kings       | 27,736  | 2                     | Nassau      | 110 | 2                     | Queens      | 22,655  | 2                            | Suffolk     | 7,008  | 2                             | Kings       | 13,640 | 2                                 | Queens      | 1,336 |
| 3                     | Nassau      | 25,305  | 3                     | Queens      | 108 | 3                     | Nassau      | 16,959  | 3                            | Queens      | 6,148  | 3                             | Suffolk     | 13,185 | 3                                 | New York    | 795   |
| 4                     | Suffolk     | 22,742  | 4                     | Kings       | 92  | 4                     | Suffolk     | 15,583  | 4                            | Westchester | 5,559  | 4                             | Queens      | 10,631 | 4                                 | Bronx       | 713   |
| 5                     | New York    | 16,714  | 5                     | Westchester | 72  | 5                     | New York    | 13,340  | 5                            | Kings       | 3,946  | 5                             | New York    | 7,743  | 5                                 | Suffolk     | 471   |
| 6                     | Bronx       | 14,653  | 6                     | Bronx       | 58  | 6                     | Bronx       | 11,978  | 6                            | New York    | 3,324  | 6                             | Bronx       | 6,175  | 6                                 | Nassau      | 384   |
| 7                     | Westchester | 14,060  | 7                     | New York    | 50  | 7                     | Westchester | 8,429   | 7                            | Bronx       | 2,617  | 7                             | Westchester | 5,813  | 7                                 | Westchester | 303   |
| 8                     | Orange      | 5,870   | 8                     | Orange      | 43  | 8                     | Richmond    | 3,857   | 8                            | Orange      | 1,996  | 8                             | Orange      | 3,377  | 8                                 | Richmond    | 204   |
| 9                     | Richmond    | 5,298   | 9                     | Rockland    | 25  | 9                     | Orange      | 3,831   | 9                            | Rockland    | 1,707  | 9                             | Rockland    | 2,682  | 9                                 | Orange      | 149   |
| 10                    | Rockland    | 4,702   | 10                    | Richmond    | 20  | 10                    | Rockland    | 2,970   | 10                           | Dutchess    | 1,501  | 10                            | Richmond    | 2,396  | 10                                | Rockland    | 113   |
| 11                    | Dutchess    | 4,166   | 11                    | Dutchess    | 15  | 11                    | Dutchess    | 2,650   | 11                           | Richmond    | 1,421  | 11                            | Dutchess    | 2,250  | 11                                | Dutchess    | 101   |
| 12                    | Putnam      | 1,531   | 12                    | Putnam      | 12  | 12                    | Putnam      | 874     | 12                           | Putnam      | 645    | 12                            | Putnam      | 804    | 12                                | Putnam      | 30    |
| Total                 |             | 171,688 | Total                 |             | 756 | Total                 |             | 126,824 | Total                        |             | 44,108 | Total                         |             | 83,327 | Total                             |             | 6,212 |

| CRASHES BY CONTRIBUTING<br>Environmental Factors |            |        | VEHICLES INVOLVED<br>In All Types of Crashes |             | VEHICLES INVOLVED<br>In Crashes<br>Resulting in Fatality |       | VEHICLES INVOLVED<br>In Crashes<br>Resulting in Injury |       | VEHICLES INVOLVED<br>in Crashes<br>Resulting in Prop. Damage |             | MALE DRIVERS<br>Involved in<br>Motor Vehicle Crashes |       |             |         |
|--------------------------------------------------|------------|--------|----------------------------------------------|-------------|----------------------------------------------------------|-------|--------------------------------------------------------|-------|--------------------------------------------------------------|-------------|------------------------------------------------------|-------|-------------|---------|
| 1                                                | Suffolk    | 2,367  | 1                                            | Queens      | 57,703                                                   | 1     | Suffolk                                                | 252   | 1                                                            | Kings       | 45,260                                               | 1     | Queens      | 35,205  |
| 2                                                | Nassau     | 2,344  | 2                                            | Kings       | 53,510                                                   | 2     | Queens                                                 | 186   | 2                                                            | Queens      | 44,992                                               | 2     | Suffolk     | 33,385  |
| 3                                                | Queens     | 1,831  | 3                                            | Nassau      | 50,755                                                   | 3     | Nassau                                                 | 167   | 3                                                            | Nassau      | 34,043                                               | 3     | Queens      | 26,402  |
| 4                                                | Kings      | 1,662  | 4                                            | Suffolk     | 44,158                                                   | 4     | Kings                                                  | 137   | 4                                                            | Suffolk     | 30,305                                               | 4     | Westchester | 23,379  |
| 5                                                | Westchster | 1,343  | 5                                            | New York    | 30,437                                                   | 5     | Westchester                                            | 121   | 5                                                            | New York    | 23,640                                               | 5     | Kings       | 20,603  |
| 6                                                | Orange     | 903    | 6                                            | Bronx       | 28,133                                                   | 6     | Bronx                                                  | 85    | 6                                                            | Bronx       | 22,745                                               | 6     | New York    | 17,316  |
| 7                                                | New York   | 818    | 7                                            | Westchester | 26,297                                                   | 7     | New York                                               | 65    | 7                                                            | Westchester | 15,751                                               | 7     | Bronx       | 13,605  |
| 8                                                | Bronx      | 797    | 8                                            | Richmond    | 10,537                                                   | 8     | Orange                                                 | 65    | 8                                                            | Richmond    | 7,667                                                | 8     | Orange      | 5,605   |
| 9                                                | Dutchess   | 629    | 9                                            | Orange      | 10,283                                                   | 9     | Rockland                                               | 34    | 9                                                            | Orange      | 7,005                                                | 9     | Rockland    | 5,497   |
| 10                                               | Rockland   | 615    | 10                                           | Rockland    | 8,925                                                    | 10    | Richmond                                               | 31    | 10                                                           | Rockland    | 5,691                                                | 10    | Richmond    | 4,866   |
| 11                                               | Richmond   | 440    | 11                                           | Dutchess    | 7,132                                                    | 11    | Dutchess                                               | 21    | 11                                                           | Dutchess    | 4,706                                                | 11    | Dutchess    | 3,742   |
| 12                                               | Putnam     | 239    | 12                                           | Putnam      | 2,620                                                    | 12    | Putnam                                                 | 14    | 12                                                           | Putnam      | 1,546                                                | 12    | Putnam      | 1,490   |
| Total                                            |            | 13,988 | Total                                        |             | 330,490                                                  | Total |                                                        | 1,178 | Total                                                        |             | 243,351                                              | Total |             | 191,095 |

TABLE A (page 2 of 2)  
**NEW YORK METROPOLITAN CATEGORICAL RANKINGS**  
**2002 MOTOR VEHICLE CRASH DATA**

| FEMALE DRIVERS<br>In Motor<br>Vehicle Crashes |             | VEHICULAR/PEDESTRIAN<br>Crashes at Intersection |       | VEHICULAR/PEDESTRIAN<br>Crashes Not<br>at Intersection |       | TOTAL PEDESTRIAN<br>Fatalities |             | TOTAL BICYCLIST<br>Killed or Injured |       | CRASHES BY<br>Contributing Alcohol<br>Involvement #’s |       | CRASHES BY<br>Contributing Alcohol<br>Involvement % * |            |       |    |             |     |
|-----------------------------------------------|-------------|-------------------------------------------------|-------|--------------------------------------------------------|-------|--------------------------------|-------------|--------------------------------------|-------|-------------------------------------------------------|-------|-------------------------------------------------------|------------|-------|----|-------------|-----|
| 1                                             | Nassau      | 20,087                                          | 1     | Kings                                                  | 2,767 | 1                              | Kings       | 47                                   | 1     | Kings                                                 | 1,215 | 1                                                     | Suffolk    | 575   | 1  | Dutchess    | 5.4 |
| 2                                             | Suffolk     | 17,448                                          | 2     | New York                                               | 2,419 | 2                              | Queens      | 41                                   | 2     | New York                                              | 1,019 | 2                                                     | Nassau     | 440   | 2  | Putnam      | 5.1 |
| 3                                             | Queens      | 14,878                                          | 3     | Queens                                                 | 1,533 | 3                              | Queens      | 38                                   | 3     | Nassau                                                | 586   | 3                                                     | Kings      | 316   | 3  | Orange      | 4.5 |
| 4                                             | Kings       | 11,917                                          | 4     | Bronx                                                  | 1,318 | 4                              | Bronx       | 36                                   | 4     | Nassau                                                | 521   | 4                                                     | Westchster | 310   | 4  | Suffolk     | 3.7 |
| 5                                             | Westchester | 9,906                                           | 5     | Nassau                                                 | 550   | 5                              | Nassau      | 23                                   | 5     | Suffolk                                               | 448   | 5                                                     | Queens     | 259   | 5  | Westchester | 3.7 |
| 6                                             | Bronx       | 6,707                                           | 6     | Westchester                                            | 399   | 6                              | Suffolk     | 23                                   | 6     | Bronx                                                 | 373   | 6                                                     | Orange     | 181   | 6  | Rockland    | 3.1 |
| 7                                             | New York    | 5,046                                           | 7     | Suffolk                                                | 263   | 7                              | Westchester | 14                                   | 7     | Westchester                                           | 163   | 7                                                     | New York   | 172   | 7  | Nassau      | 2.6 |
| 8                                             | Orange      | 4,073                                           | 8     | Richmond                                               | 188   | 8                              | Richmond    | 9                                    | 8     | Richmond                                              | 66    | 8                                                     | Bronx      | 163   | 8  | Richmond    | 1.9 |
| 9                                             | Richmond    | 3,657                                           | 9     | Orange                                                 | 67    | 9                              | Orange      | 9                                    | 9     | Orange                                                | 64    | 9                                                     | Dutchess   | 145   | 9  | Bronx       | 1.5 |
| 10                                            | Rockland    | 3,429                                           | 10    | Rockland                                               | 50    | 10                             | Rockland    | 6                                    | 10    | Dutchess                                              | 41    | 10                                                    | Rockland   | 102   | 10 | Kings       | 1.5 |
| 11                                            | Dutchess    | 2,965                                           | 11    | Dutchess                                               | 29    | 11                             | Dutchess    | 4                                    | 11    | Rockland                                              | 40    | 11                                                    | Richmond   | 70    | 11 | New York    | 1.4 |
| 12                                            | Putnam      | 977                                             | 12    | Putnam                                                 | 3     | 12                             | Putnam      | 1                                    | 12    | Putnam                                                | 5     | 12                                                    | Putnam     | 48    | 12 | Queens      | 1.3 |
| Total                                         |             | 101,090                                         | Total |                                                        | 9,586 | Total                          |             | 4,445                                | Total |                                                       | 4,541 | Total                                                 |            | 2,781 |    |             |     |

\* Percent of all crashes

**TABLE B**  
**NYMTC REGIONAL RECAPITULATION**

|                                                           | 2000    | 2001    | 2002    | 2000/2001<br>(%) | 2001/2002<br>(%) |
|-----------------------------------------------------------|---------|---------|---------|------------------|------------------|
| <b>MOTOR VEHICLE CRASHES</b>                              |         |         |         |                  |                  |
| TOTAL NUMBER OF MOTOR VEHICLE CRASHES                     | 243,828 | 215,328 | 171,688 | -11.7            | -20.3            |
| CRASHES RESULTING IN FATALITY                             | 736     | 768     | 756     | 4.3              | -1.6             |
| CRASHES RESULTING IN INJURY                               | 135,017 | 129,278 | 126,824 | -4.3             | -1.9             |
| CRASHES RESULTING IN PROPERTY DAMAGE                      | 108,073 | 85,282  | 44,108  | -21.1            | -48.3            |
| CRASHES BY CONTRIBUTING HUMAN FACTORS                     | 221,402 | 139,945 | 83,327  | -36.8            | -40.5            |
| CRASHES BY CONTRIBUTING VEHICULAR FACTORS                 | 10,245  | 7,329   | 6,212   | -28.5            | -15.2            |
| CRASHES BY CONTRIBUTING ENVIRONMENTAL FACTORS             | 35,464  | 24,095  | 13,988  | -32.1            | -41.9            |
| VEHICLES INVOLVED IN ALL TYPES OF CRASHES                 | 469,497 | 414,126 | 330,490 | -11.8            | -20.2            |
| VEHICLES INVOLVED IN CRASHES RESULTING IN FATALITY        | 1,166   | 1,194   | 1,178   | 2.4              | -1.3             |
| VEHICLES INVOLVED IN CRASHES RESULTING IN INJURY          | 259,439 | 247,576 | 243,351 | -4.6             | -1.7             |
| VEHICLES INVOLVED IN CRASHES RESULTING IN PROPERTY DAMAGE | 208,892 | 165,356 | 85,961  | -20.8            | -48.0            |
| MOTOR VEHICLE CRASHES INVOLVING MALE DRIVERS              | 278,404 | 238,906 | 191,095 | -14.2            | -20.0            |
| MOTOR VEHICLE CRASHES INVOLVING FEMALE DRIVERS            | 134,432 | 116,730 | 101,090 | -13.2            | -13.4            |
| VEHICULAR/PEDESTRIAN CRASHES AT INTERSECTION              | 9,399   | 9,686   | 9,586   | 3.1              | -1.0             |
| VEHICULAR/PEDESTRIAN CRASHES NOT AT INTERSECTION          | 5,611   | 5,299   | 4,445   | -5.6             | -16.1            |
| PEDESTRIAN FATALITIES IN VEHICULAR/PEDESTRIAN CRASHES     | 259     | 269     | 248     | 3.9              | -7.8             |
| TOTAL BICYCLISTS KILLED OR INJURED                        | 5,311   | 5,168   | 4,541   | -2.7             | -12.1            |
| BICYCLIST FATALITIES IN VEHICULAR/BICYCLE CRASHES         | 26      | 29      | 27      | 11.5             | -6.9             |
| <b>TRANSIT ACCIDENTS</b>                                  |         |         |         |                  |                  |
| <b>TRANSIT ACCIDENTS</b>                                  |         |         |         |                  |                  |
| TOTAL                                                     | 81      | 84      | 83      | 3.7              | -1.2             |
| FATALITIES                                                | 12      | 16      | 12      | 33.3             | -25.0            |
| INJURIES                                                  | 487     | 326     | 352     | -33.1            | 8.0              |
| RATIO PER MILLION RIDERS                                  | 0.036   | 0.029   | 0.029   | -19.4            | 0.0              |
| RATIO PER MILLION VEHICLE MILES TRAVELED                  | 0.150   | 0.154   | 0.149   | 2.7              | -3.2             |
| <b>BUS TRANSIT ACCIDENTS</b>                              |         |         |         |                  |                  |
| TOTAL                                                     | 53      | 58      | 54      | 9.4              | -6.9             |
| FATALITIES                                                | 7       | 11      | 9       | 57.1             | -18.2            |
| INJURIES                                                  | 366     | 298     | 277     | -18.6            | -7.0             |
| RATIO PER MILLION RIDERS                                  | 0.073   | 0.061   | 0.054   | -16.4            | -11.5            |
| RATIO PER MILLION VEHICLE MILES TRAVELED                  | 0.479   | 0.522   | 0.471   | 9.0              | -9.8             |
| <b>RAIL RAPID TRANSIT ACCIDENTS</b>                       |         |         |         |                  |                  |
| TOTAL                                                     | 11      | 10      | 9       | -9.1             | -10.0            |
| FATALITIES                                                | 4       | 0       | 1       | -100.0           | 100.0            |
| INJURIES                                                  | 113     | 16      | 2       | -85.8            | -87.5            |
| RATIO PER MILLION RIDERS                                  | 0.008   | 0.006   | 0.005   | -25.0            | -16.7            |
| RATIO PER MILLION VEHICLE MILES TRAVELED                  | 0.034   | 0.030   | 0.027   | -11.8            | -10.0            |
| <b>SUBURBAN RAIL ACCIDENTS</b>                            |         |         |         |                  |                  |
| TOTAL                                                     | 17      | 16      | 20      | -5.9             | 25.0             |
| FATALITIES                                                | 1       | 5       | 2       | 400.0            | -60.0            |
| INJURIES                                                  | 8       | 12      | 73      | 50.0             | 508.3            |
| RATIO PER MILLION RIDERS                                  | 0.109   | 0.092   | 0.115   | -15.6            | 25.0             |
| RATIO PER MILLION VEHICLE MILES TRAVELED                  | 0.161   | 0.150   | 0.187   | -6.8             | 24.7             |

Data for 2001-2002 compiled by Institute for Traffic Safety Management and Research

Source: New York State Department of Motor Vehicles

New York State Public Transportation Safety Board

All Values are for Downstate Region

# 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 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](http://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 crash 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.

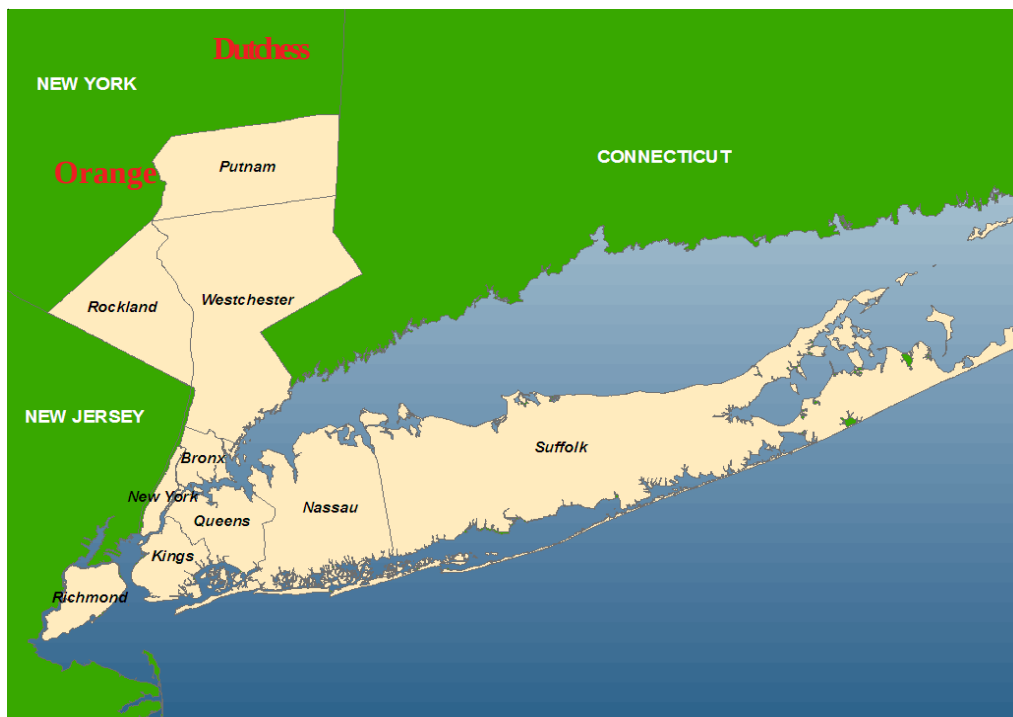
This Transportation Safety Report is a comprehensive publication of transportation crash statistics for the 12 county downstate metropolitan area and is arranged in three sections:

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



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**PART I**

**TRANSPORTATION**

**SAFETY**

**ANALYSIS and COMPARISONS**



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# I 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 fifth edition of the Transportation Safety Report. This report assesses crash trends between 1992 and 2002 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 2002. 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 2000 to 2001 and from 2001 to 2002. This report also examines transit accident statistics on the subway, bus and commuter rail systems of the MTA from 1992 through 2002.

**Due to the difference in data compilation for 2001 and 2002, comparison with data for these years and prior years is not possible. Data for this report instead compares data across counties for 2002.**

An examination of the graphs and tables show that the number of motor vehicle crashes in the downstate area, (New York City plus the suburbs), was 67.7% of all the motor vehicle crashes in New York State.

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 81.5 accidents per year throughout the 1999-2002 period. There has been an average of 13.5 fatalities and 397.5 injuries per year for this 4-year period. (See Table 46)

## 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 1999 – 2002, the following changes were observed:

#### A. Fatal Crashes

During 2002 the suburbs experienced more crashes with fatalities than New York City (Table 2). There were 756 crashes resulting in a fatality in the downstate (New York City plus the suburbs) in 2002. During this period Kings (Brooklyn) and Queens Counties in New York City had the most crashes with fatalities in New York City; however, these counties also had more registered vehicles and registered drivers than the other New York City counties. Nassau and Suffolk Counties had more accidents with fatalities in 2002 but they also had more registered drivers and vehicles than the other suburban counties. The fatality rate in the New York metropolitan region for motor vehicle crashes for 2002 was 5.88 per 100,000 population, lower than the 7.0 rate for 1999 and 6.05 in 2000 and 6.03 in 2001 (Table 3 and Figure 3). These rates had almost parallel patterns in the New York metropolitan region, New York City, New York suburbs and New York State during the 1999-2002 time period.



The report this year contains additional information: Table 6A and Figure 2A indicates the fatalities by category for 2001-2002 and Table 6B and Figure 2B indicates the injuries by categories for 2001-2002.

#### B. Injury Crashes

New York City experienced 59.6% of the crashes in the New York metropolitan region resulting in injury in 2002 while the suburbs experienced 40.4% of these crashes (Table 4). 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 By Sectors

|                                    | 1999  | 2000  | 2001  | 2002  |
|------------------------------------|-------|-------|-------|-------|
| New York City                      | 69.0% | 66.3% | 70.3% | 80.9% |
| New York Suburbs                   | 46.5% | 43.7% | 48.8% | 65.4% |
| NY Metropolitan Region (Downstate) | 58.2% | 55.4% | 60.0% | 73.9% |
| New York State                     | 51.2% | 48.1% | 53.9% | 70.6% |

The table above provides the numbers for nonfatal injury crashes. They are calculated as the number of crashes in sector with nonfatal injuries divided by all crashes in the sector. As the table above shows, all areas experienced a large increase in accidents resulting in a non-fatal injury in 2002. There were over 75,500 vehicle crashes resulting in injury in New York City; over 126,800 in the New York metropolitan region; over 51,000 in the suburbs and over 179,000 in the State during 2002. (See Table 4 and Figure 4) Table 6B shows the injuries by categories for 2001-2002.

### C. Property Damage Crashes

According to the New York State Department of Motor Vehicles, the police accident report form was changed in late 1997 to allow police officers to report accidents which, in their judgment, appeared to meet the reporting criteria for property damage (i.e., damage in excess of \$1,000 to the property of any one individual). This change resulted in a higher number of property damage only (PDO) crashes being reported in the years 1999-2000, which in turn increased the total number of crashes reported in each of those years. With the 2001 data, the DMV made changes in its data collection and capture of police-reported PDO crashes, which resulted in a lower number of such crashes in 2001. The overall effect of these changes produced a much higher number of PDO and total crashes for the years 1999-2001, when compared to prior years, and a much lower number of PDO and total crashes in 2002.

Therefore, because of these changes, the total number of crashes as well as the number of PDO crashes for 2002 and subsequent years will not be comparable to the number of PDO and total crashes for any prior year. However, because these changes did not affect fatal and personal injury crashes, comparisons of these types of crashes over the years are not problematic.

All downstate counties experienced a significant decrease in accidents with property damage from 2001 to 2002. This is probably due to the data collection changes in 2001 and 2002. (See Table 5 and Figure 5) Due to this change it is not possible to compare 2002 data with previous data.

#### Percent of Vehicle Crashes Resulting in Property Damage

|                                    | 1999  | 2000  | 2001  | 2002  |
|------------------------------------|-------|-------|-------|-------|
| New York City                      | 30.7% | 33.4% | 29.4% | 18.7% |
| New York Suburbs                   | 53.1% | 55.9% | 50.8% | 34.0% |
| NY Metropolitan Region (Downstate) | 41.4% | 44.3% | 39.6% | 25.7% |
| New York State                     | 48.4% | 51.5% | 45.7% | 28.8% |

## 2. CONTRIBUTING FACTORS: HUMAN, ENVIRONMENTAL AND VEHICULAR

All counties experienced a large decrease in accidents with human factors from 2001 to 2002. This decrease may be attributed to the large number of accidents that do not have a corresponding factor associated with them. 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 1999-2002:

#### Percent of Vehicle Crashes Caused by Human Factors

|                                    | 1999  | 2000  | 2001  | 2002  |
|------------------------------------|-------|-------|-------|-------|
| New York City                      | 93.3% | 94.6% | 61.8% | 43.5% |
| New York Suburbs                   | 86.0% | 86.8% | 68.5% | 54.5% |
| NY Metropolitan Region (Downstate) | 89.8% | 90.8% | 65.0% | 48.5% |
| New York State                     | 87.5% | 87.8% | 64.9% | 50.7% |

In 2002, human factors contributed to 48.5 percent of all crashes in the New York metropolitan region. The number of crashes resulting from human factors fell from 201,750 in 1999 and 221,402 in 2000 to 139,945 in 2001 and 83,327 in 2002 (Table 7). The large decrease in crashes in 2001 and 2002 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 21.3, 16.1, 14.9, and 8.2 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, 2001 and 2002. This table indicates that more alcohol related accidents, both as a percent of human factor crashes (4.2 percent vs. 2.4 percent) and as a percent of all crash factors (3.5 percent vs. 1.4 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 8.1 percent of total crashes in the New York metropolitan region in 2002. Slippery pavements, view obstructed/limited and animals' actions accounted for 61.4, 14.6 and 6.9 percent, respectively, of all crashes attributed to environmental factors. The analysis further shows that 60.3% of the crashes attributed to environmental factors occur in the New York suburbs in 2002. (See Table 10 and Figure 10 and 11)

- The third highest contributing factor was vehicular conditions, which were responsible for over 3.6 percent of the total crashes in 2002. This factor includes conditions such as defective brakes, tire failure and steering failure. In 2002, vehicular factors were responsible for three times as many crashes in New York City as in the suburban counties. Defective brakes, tire failure, and steering failure accounted for 14.9, 5.5 and 3.6 percent, respectively, of all vehicular crashes attributed to a vehicular factor in 2002. (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 2001, there were 238,906 male and 116,730 female drivers involved in motor vehicle crashes respectively, in the New York metropolitan region while in 2002 the numbers were 191,095 and 101,090 respectively. In 2002 female drivers had more accidents in the suburbs than in the City (42.7% vs.27.3%). In contrast, crashes involving male drivers happened more often in the City (72.7 percent) than in the suburbs (57.3%). This trend has been observed since 1992, in both the suburbs and New York City (see Tables 15-16).

In New York City, in 2002, male drivers made up 57.7 percent of the licensed drivers but accounted for 72.7 percent of the accidents. In the suburbs male drivers comprised 50.7 percent of the licensed drivers, but accounted for 57.3 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 2002, female drivers comprised 42.3 percent of the licensed drivers, but accounted for 27.3 percent of motor vehicle crashes. Female drivers comprised 49.3 percent of the licensed drivers in the suburbs, but accounted for 42.7 percent of motor crashes.



In 2002, people aged 60 and older in the New York metropolitan region were involved in 9.9, 14.3 and 12.0 percent of the accidents in New York City, the suburbs and the New York metropolitan region, respectively. All of these numbers were increases over 2001. 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 1999, 2000, 2001 and 2002 (See below).

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

|                  | Male   |        |        |        | Female |        |        |        |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|
|                  | 1999   | 2000   | 2001   | 2002   | 1999   | 2000   | 2001   | 2002   |
| New York City    | 41,653 | 44,179 | 37,887 | 29,830 | 13,609 | 14,518 | 12,881 | 11,578 |
| New York Suburbs | 25,144 | 26,932 | 22,647 | 16,536 | 17,726 | 18,994 | 15,679 | 12,537 |
| New York State   | 91,993 | 97,883 | 74,060 | 59,495 | 49,498 | 52,999 | 40,210 | 34,850 |

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

In 2002, 248 pedestrians were killed in 14,000 vehicular/pedestrian crashes in the New York metropolitan region, representing 30.1 percent of all traffic fatalities in the region (Figure 6A, Table 22). Although 8.2 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 81.7 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 71.7 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 2002 accounted for 18.3 percent of regional vehicle/pedestrian crashes. There were 156 pedestrian fatalities in New York City and 92 in the suburbs in 2002. (See Figures 25-27 and Tables 20-22).



## 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 *2002 Hub Bound Report* indicates that 6,902 people entered the Manhattan HUB on a typical business day via bicycle out of over 3.6 million people that entered the HUB.



There were 35 bicyclist deaths in 1999, 26 in 2000, 29 in 2001 and 27 in 2002; which accounted for 4.3 percent, 3.5 percent 3.8 percent and 3.3 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 1999-2002 (75 vs. 42). Over 20,000 bicyclists were killed or injured in bicyclist vehicle crashes during the period 1999-2002 in the New York Metropolitan region. Except for 2002, 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 to 6,026 in 2002. (See Tables 23-24 and Figures 28-29)

## 4. CRASHES ON ROAD SYSTEM BY ROADWAY JURISDICTION

Tables 25 to 41 and Figures 30 to 33 show crashes on the region's road system by jurisdiction and by county for the years 1993 through 2002. The following analysis by road type is based on data from 2002:

### State Routes

One hundred fifty-nine (159) fatal crashes out of over 22,700 crashes occurred on state routes in the New York suburbs in 2002 vs. 156 fatal crashes in over 31,300 crashes in 2001. Only four fatalities out of 377 crashes took place in New York City on state roads in 2002 vs. 2 fatalities in 399 crashes in 2001.



## County Routes

In 2002, forty-one fatal crashes out of over 5,500 crashes occurred on county routes in the suburbs vs. 53 fatalities in over 9,300 crashes in 2001. During 2002, there were almost 3,800 crashes on county routes in the suburbs that involved personal injury vs. over 4,600 in 2001.

## Town Routes

One hundred and four fatalities in almost 24,000 crashes occurred on town routes in the suburbs in 2002. This represents an increase over the 94 fatal accidents in 2001.

## Municipal Streets

Two hundred fifty-nine (out of over 78,400 crashes) and 50 (out of over 15,600 crashes) fatal crashes occurred in New York City and its suburbs, respectively, on municipally-owned streets vs. 293 (out of 94,750 crashes and 42 (out of over 18,200) crashes in 2001.

## Parkways

Over 6,500 vehicle crashes occurred on parkways in New York City in 2002 vs. over 7,500 in 2001. This number includes 31 fatal crashes in 2002 and 32 in 2001. In the New York suburbs, 45 fatal crashes out of over 5,300 crashes occurred on parkways in 2002 vs. 40 fatalities and over 7,200 crashes in 2001.

## Thruway

This roadway had the lowest number of vehicle crashes (1,390) in the New York metropolitan region in 2002. There were 14 fatalities and 855 personal injury accidents on the thruway system during 2002. This contrasts with 2,038 crashes, 11 fatalities and 845 personal injury crashes in 2001.

## Other Interstate (Expressways)

There were 7,252 vehicle crashes on other interstates in New York City and 2,357 in the suburbs in 2002. Of these, 33 fatal crashes occurred in New York City and 14 fatal crashes in the New York suburbs. In 2001 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 in the suburbs.

Almost 68 percent of all vehicle crashes reported in New York State in 2002 occurred in the New York metropolitan region. This was similar to the 65 percent in 2001 (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 in the 1999 - 2002 time period varies annually, similar to the number of crashes. 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 also in 2000. In 2002 there was an average of 1.9 vehicles per crash in the New York Metropolitan region, the same as in 2001 and 2000. (Table 11)



## **A. Vehicles Involved In Crashes Resulting In Fatalities**

· In the period 1992 to 2002 more multiple vehicle crashes with fatalities occurred in the suburbs than in New York City (See Table 12 and Figure 13). The county with the most multiple vehicle crashes with fatalities for each of these years was Suffolk. The average number of vehicles involved in crashes per year during 1992-2002 was 597 for the City and 664 for the suburban counties.

## **B. Vehicles Involved In Crashes Resulting In Injury**

· The number of vehicles involved in injury crashes in the New York Metropolitan region has decreased somewhat from 256,114 in 1992 to 243,351 in 2002. (See Table 13 and Figure 14)

· Data indicate that the number of vehicles involved in injury crashes from 1992 to 2002 were the highest in 2000 in the City and in 1994 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) and then decreased in 2001 (165,356) and in 2002 (85,961). The large decrease in 2002 can be attributed to the data compilation change in 2001 and 2002. Queens in New York City and Nassau in the suburbs had the largest number of multiple vehicle crashes that resulted in property damage.

· There were 35,512 vehicles involved in property damage crashes in New York City in 2002. Over 50,000 vehicles were involved in property damage crashes in the New York suburbs in 2002. (Table 14 and Figure 15)



## **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 accidents that were rear-end accidents in 2002 were 33.0, 35.7, and 31.9, respectively.

## **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 2002 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. Similar results were observed in 2001.

## **8. CRASHES BY TIME OF DAY**

Table 45 contains information regarding crashes by time of day for 2002. 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 47 and Table 48 present transit accident ratios per million riders, and per million vehicle miles traveled, while Table 46 shows the total number of accidents in the MTA portion of the region in the 1992-2002 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 2002, MTA Long Island Rail Road (transporting 98 million passengers) experienced 14 accidents, a reduction from 2001 of 15. The accident ratios per million riders and per million vehicle miles traveled was 0.139 and 0.243 in 2002 for this operator, both reductions over 2001. (See Tables 47-48)

- There were 69 passenger fatalities on the New York City Subway system in the period 1992-2002. 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 1992 to 2002 there were 49 accidents, one fatality and 34 injuries on the Metro-North Railroad.

- The data in Table 46 reveal that the Staten Island Railway had the lowest number of accidents of all the MTA properties. Very few (12) accidents happened on this line during the period 1992-2002. There were no passenger fatalities and two injuries on this line during the same period.



## 2. BUS ACCIDENTS

Table 46 shows data on bus accidents and fatalities for the New York City Transit and the Long Island Bus.

- MTA New York City Transit Bus system transported 976.6 million passengers in 2002. In the same year, 54 passenger accidents occurred on the NYC bus system. As Tables 47 and 48 displays, the accident ratios per million riders and per million vehicle miles traveled were 0.053 and 0.509 for the New York City Transit Bus and 0.065 and 0.159 for the Long Island Bus operation respectively in 2002. The average fatalities for the New York City Transit Bus and Long Island Bus for the time period 1992-2002 were 6.3 and 0.5 per year respectively.

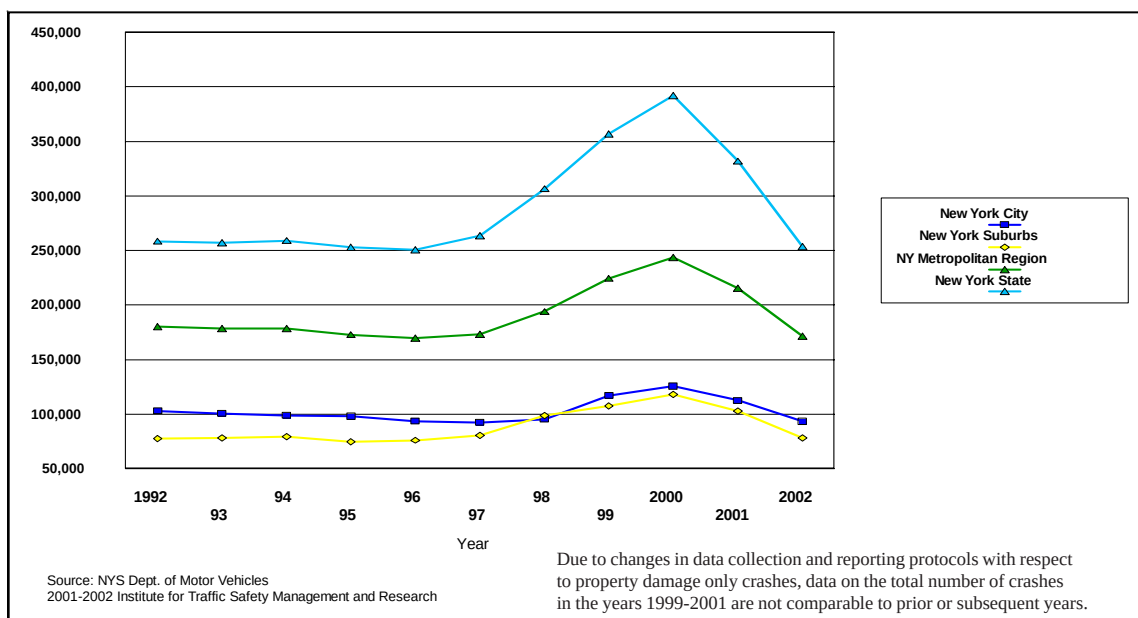
- In 2002, Long Island Bus, with an annual ridership of 31 million, had two accidents. These resulted in no fatalities and seven injuries.

**PART II**  
**TRANSPORTATION**  
**SAFETY**  
**DATA GRAPHS**

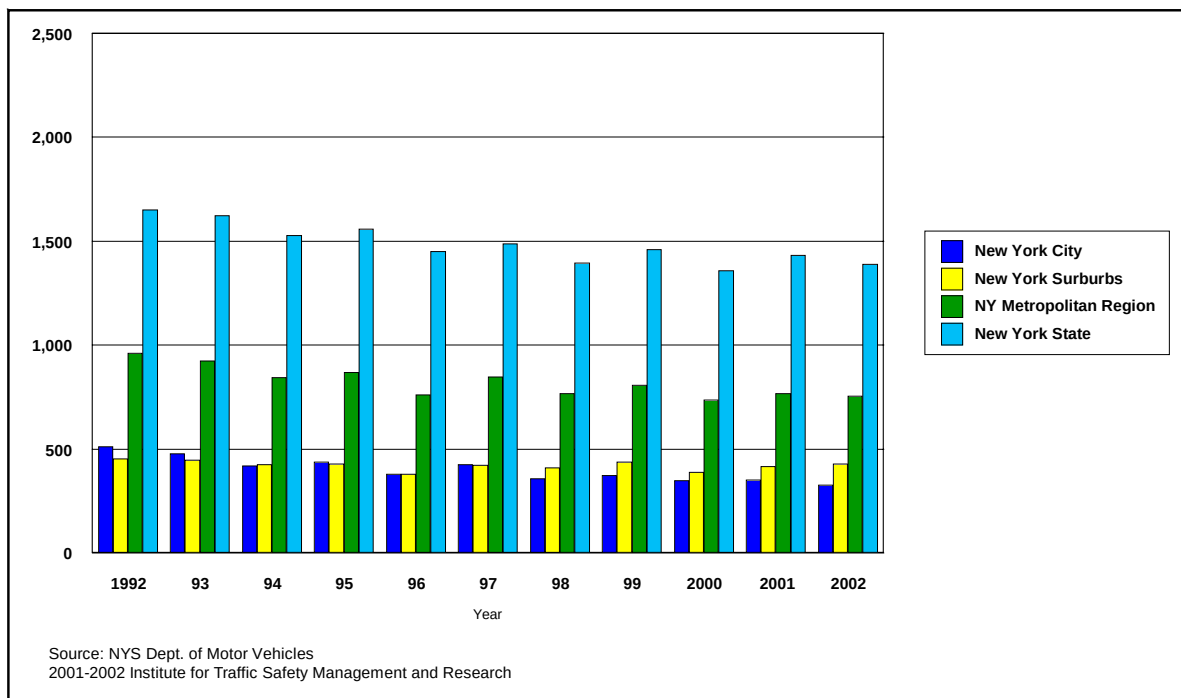
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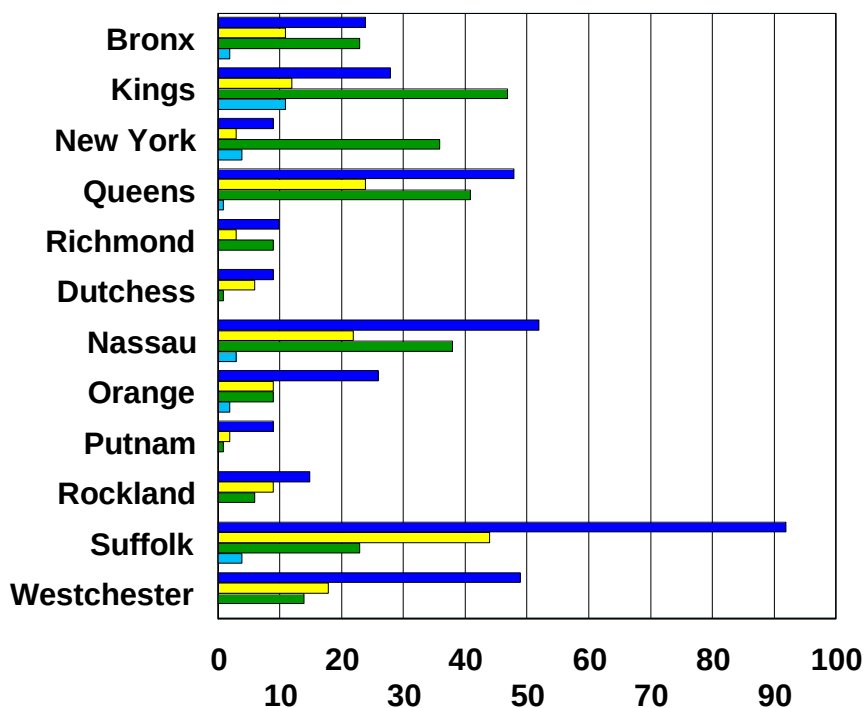
**FIGURE 1**  
**TOTAL NUMBER OF MOTOR VEHICLE CRASHES**  
**1992-2002**



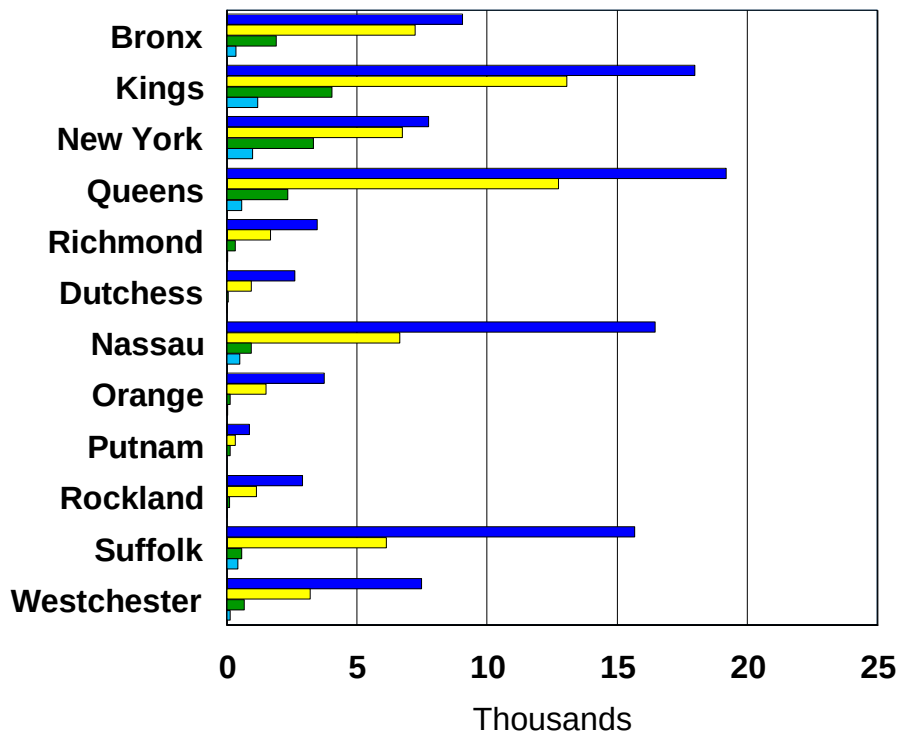
**FIGURE 2**  
**MOTOR VEHICLE CRASHES**  
**RESULTING IN FATALITY**  
**1992-2002**



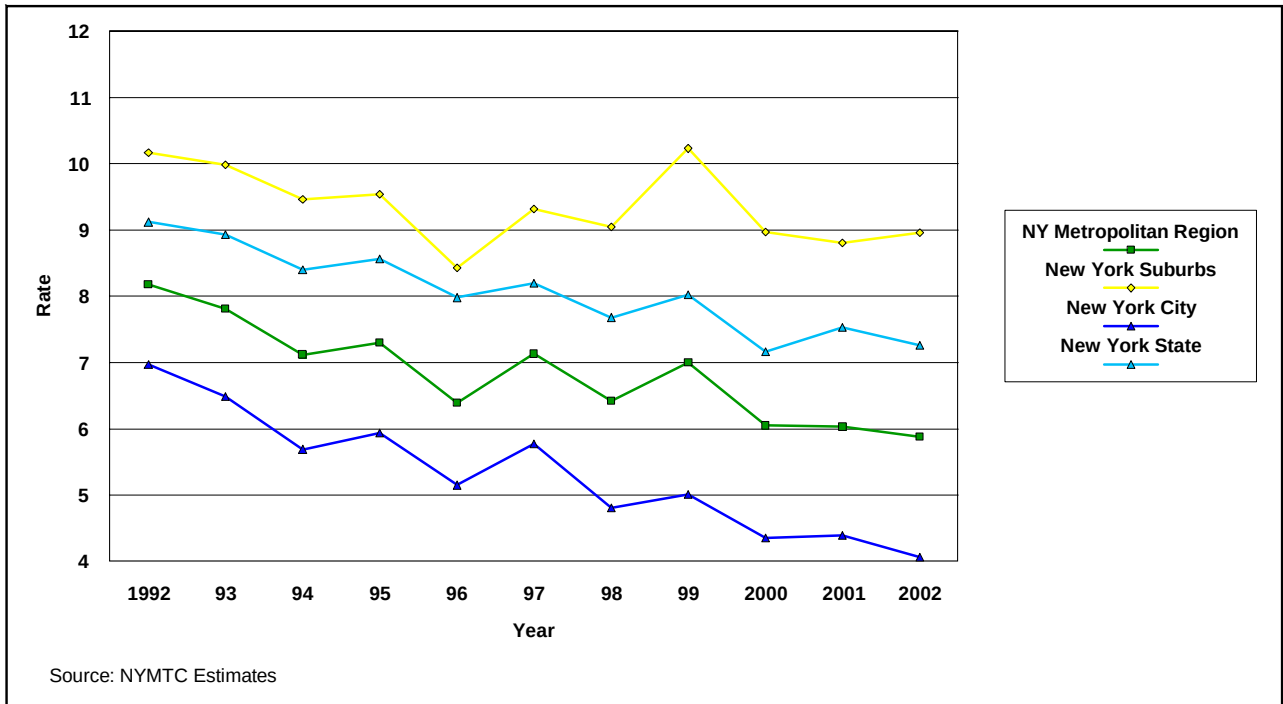
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**2002**



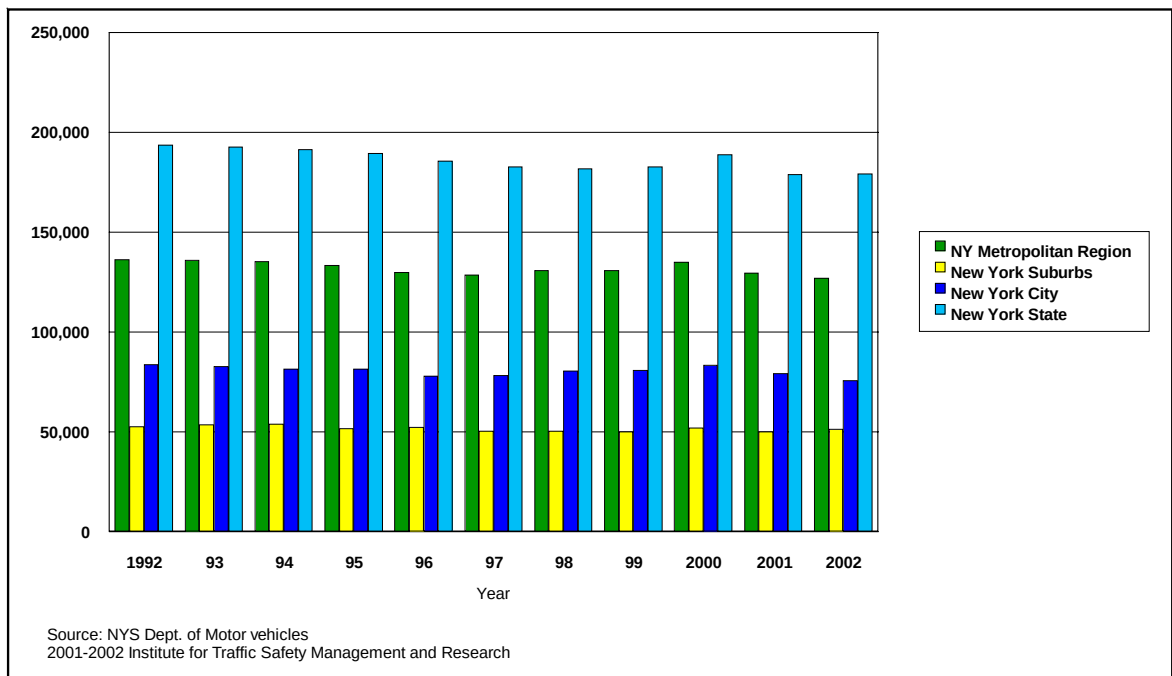
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**2002**



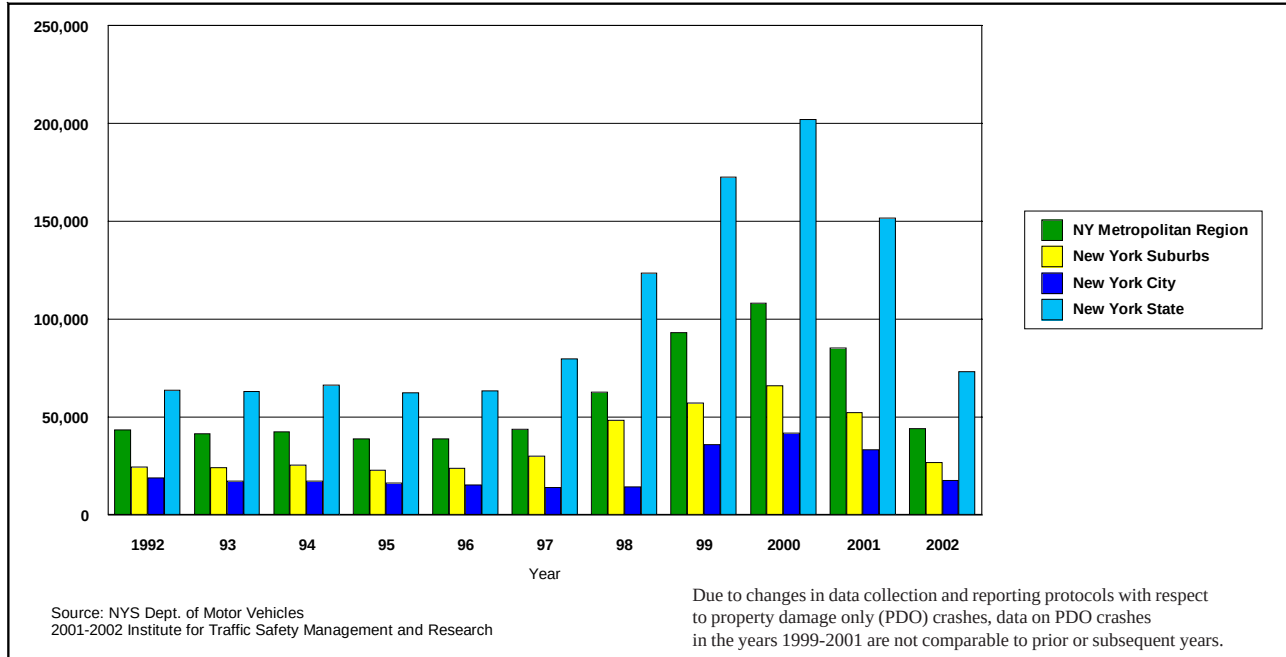
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**1992-2002**



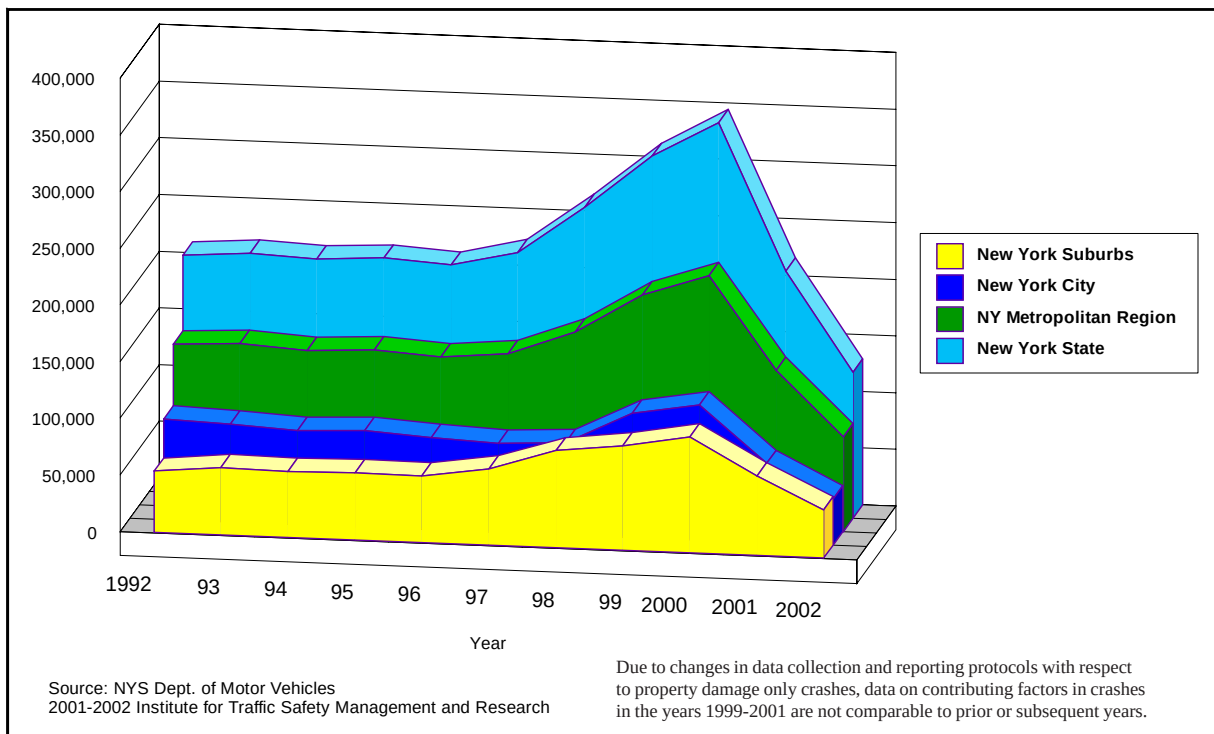
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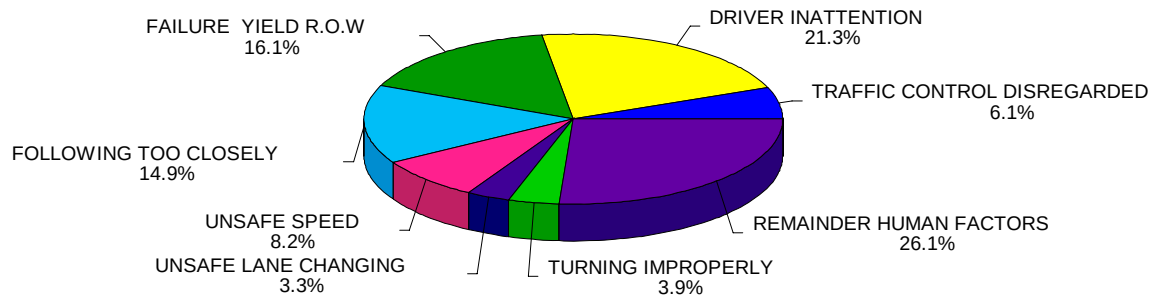
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**1992-2002**



**FIGURE 6**  
**MOTOR VEHICLE CRASHES**  
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**1992-2002**

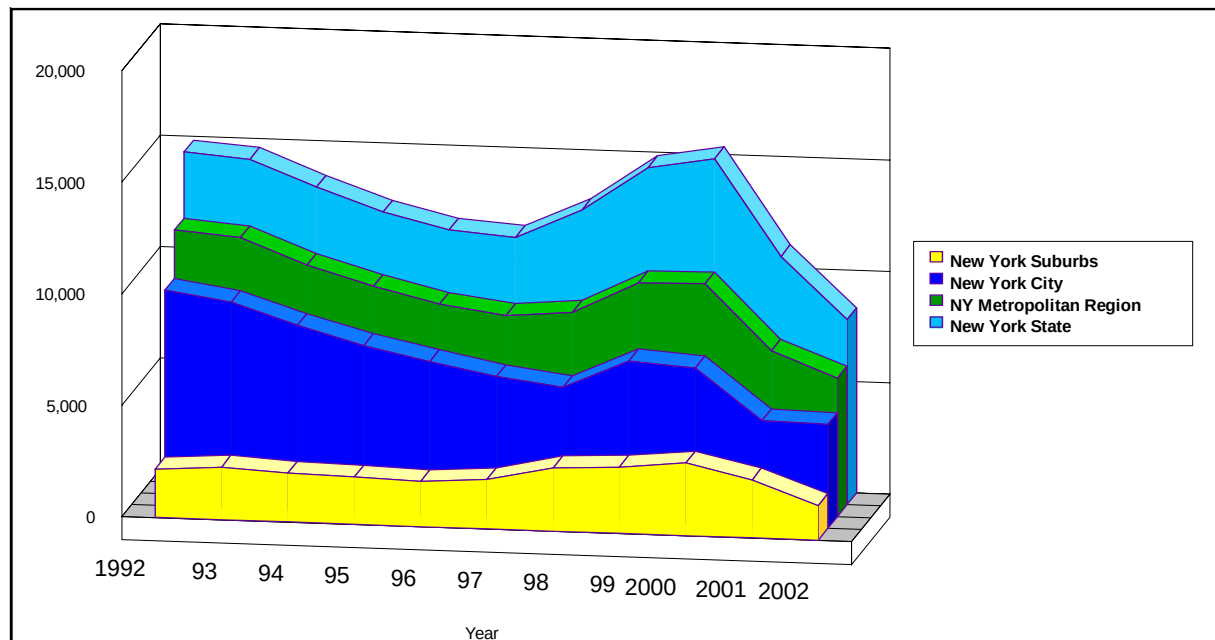


**FIGURE 7**  
**MOTOR VEHICLE CRASHES**  
**WITH CONTRIBUTING HUMAN FACTORS**  
**NEW YORK METROPOLITAN REGION**  
**2002**



Source: Department of Motor Vehicles  
 Data compiled by Institute for Traffic Safety Management and Research

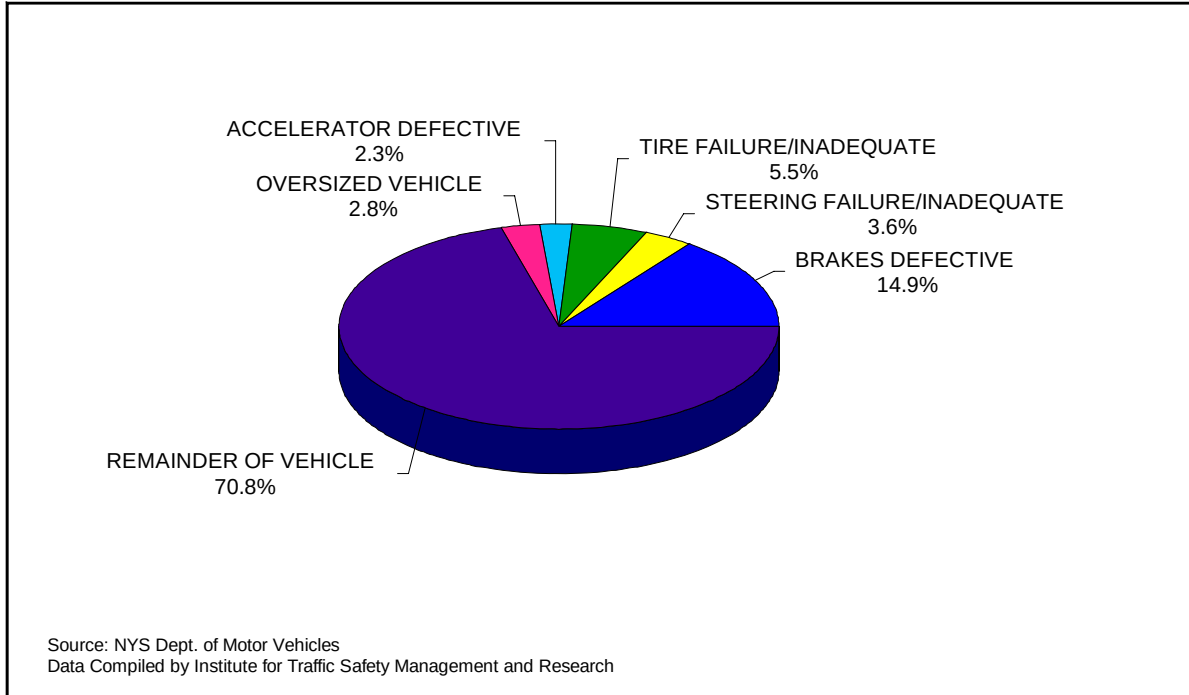
**FIGURE 8**  
**MOTOR VEHICLE CRASHES**  
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**1992-2002**



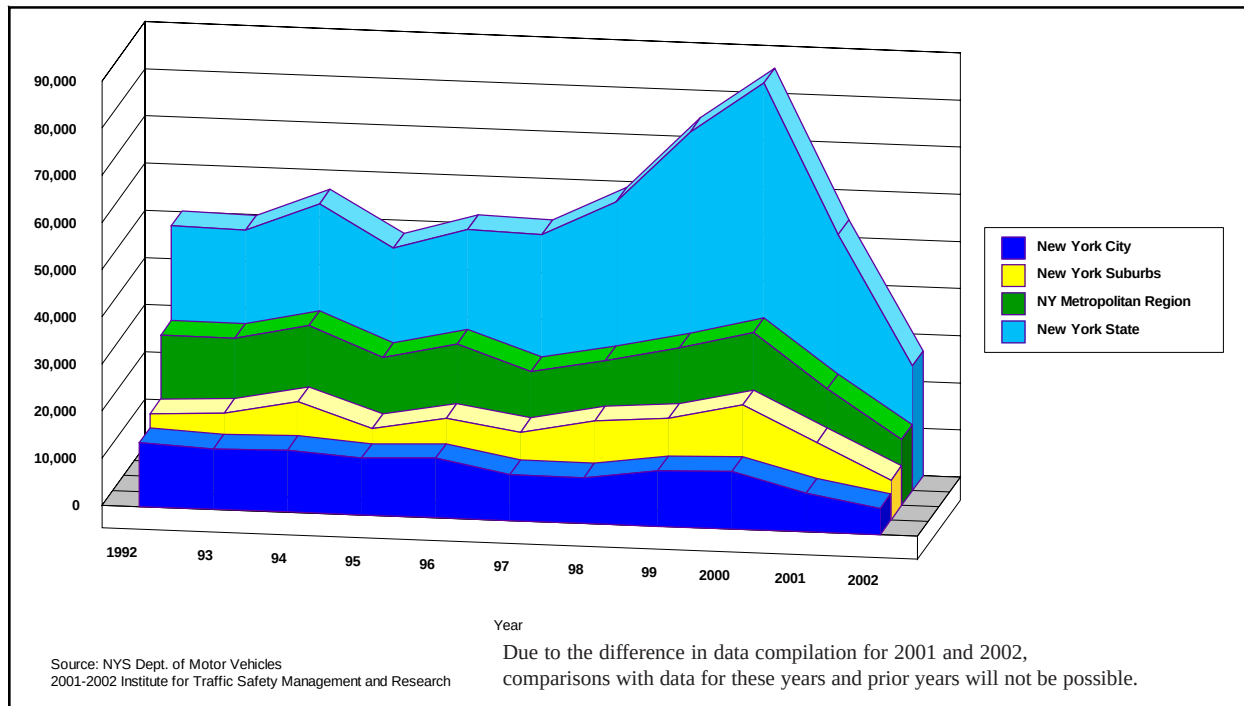
Source: NYS Dept. of Motor Vehicles  
 2001-2002 Institute for Traffic safety Management and Research

Due to the difference in data compilation for 2001 and 2002, comparisons with data for these years and prior years will not be possible.

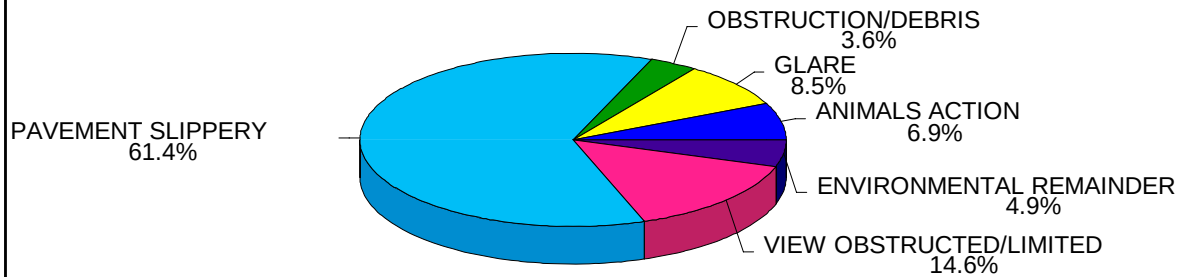
**FIGURE 9**  
**MOTOR VEHICLE CRASHES**  
**WITH CONTRIBUTING VEHICULAR FACTORS**  
**NEW YORK METROPOLITAN REGION**  
**2002**



**FIGURE 10**  
**MOTOR VEHICLE CRASHES**  
**WITH CONTRIBUTING ENVIRONMENTAL FACTORS**  
**1992-2002**

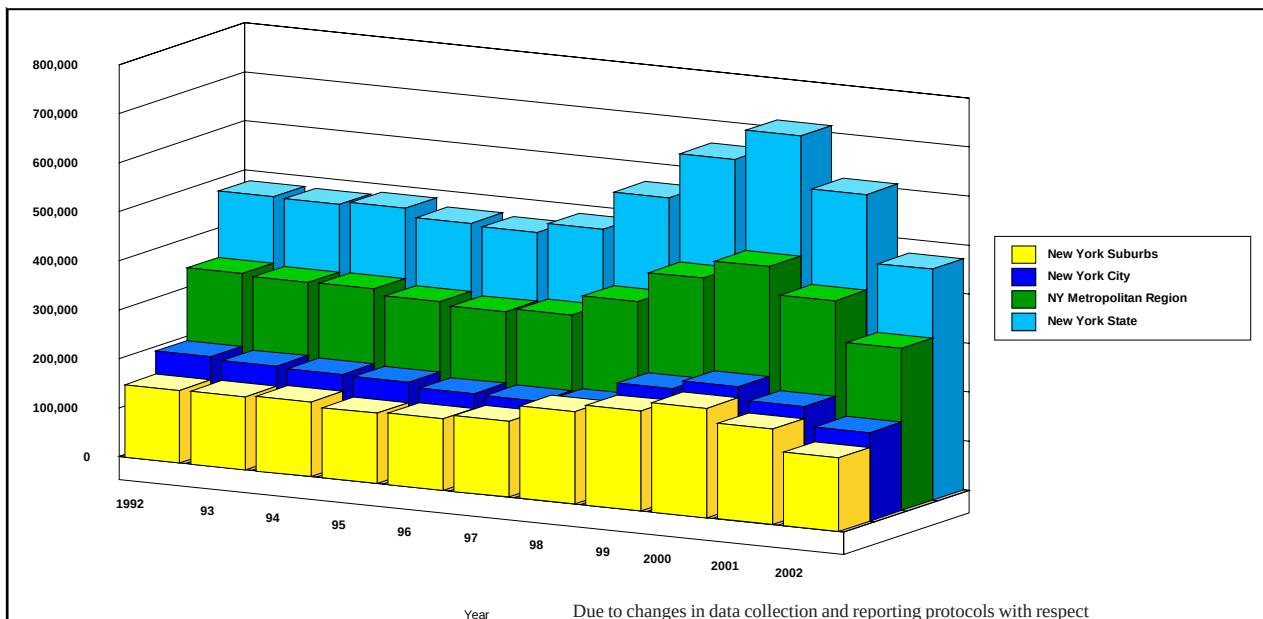


**FIGURE 11**  
**MOTOR VEHICLE CRASHES**  
**WITH CONTRIBUTING ENVIRONMENTAL FACTORS**  
**NEW YORK METROPOLITAN REGION**  
**2002**



Source: NYS Dept. of Motor Vehicles  
 Data compiled by Institute for Traffic Safety Management and Research

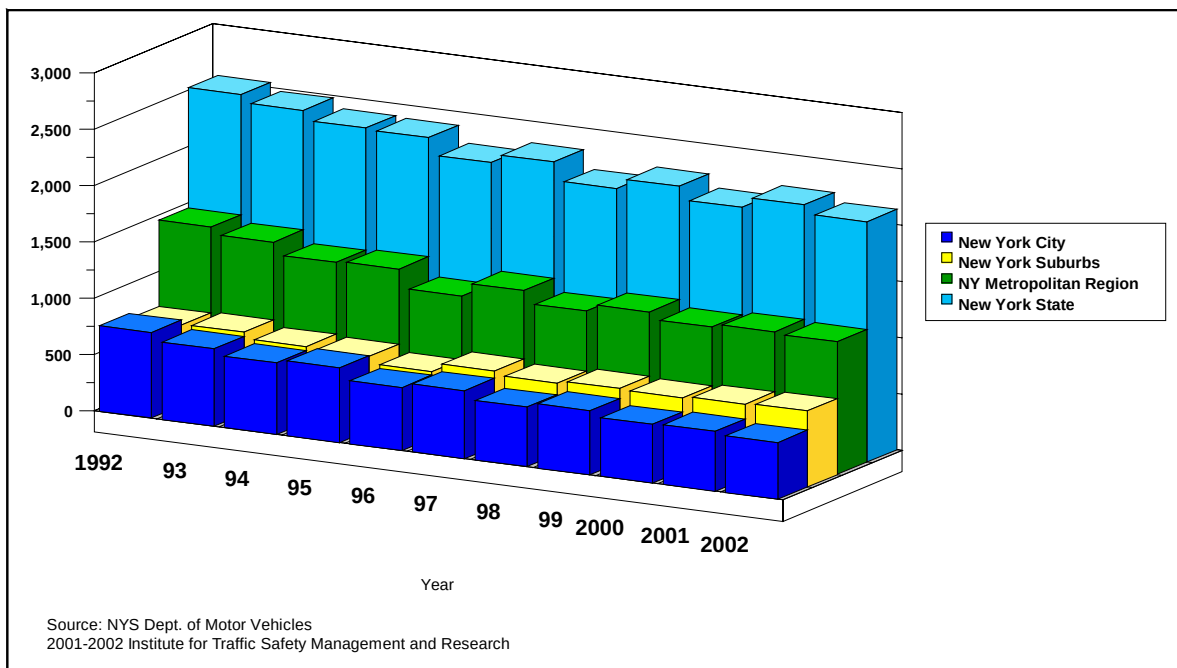
**FIGURE 12**  
**TOTAL NUMBER OF VEHICLES**  
**INVOLVED IN ALL TYPE OF CRASHES**  
**1992-2002**



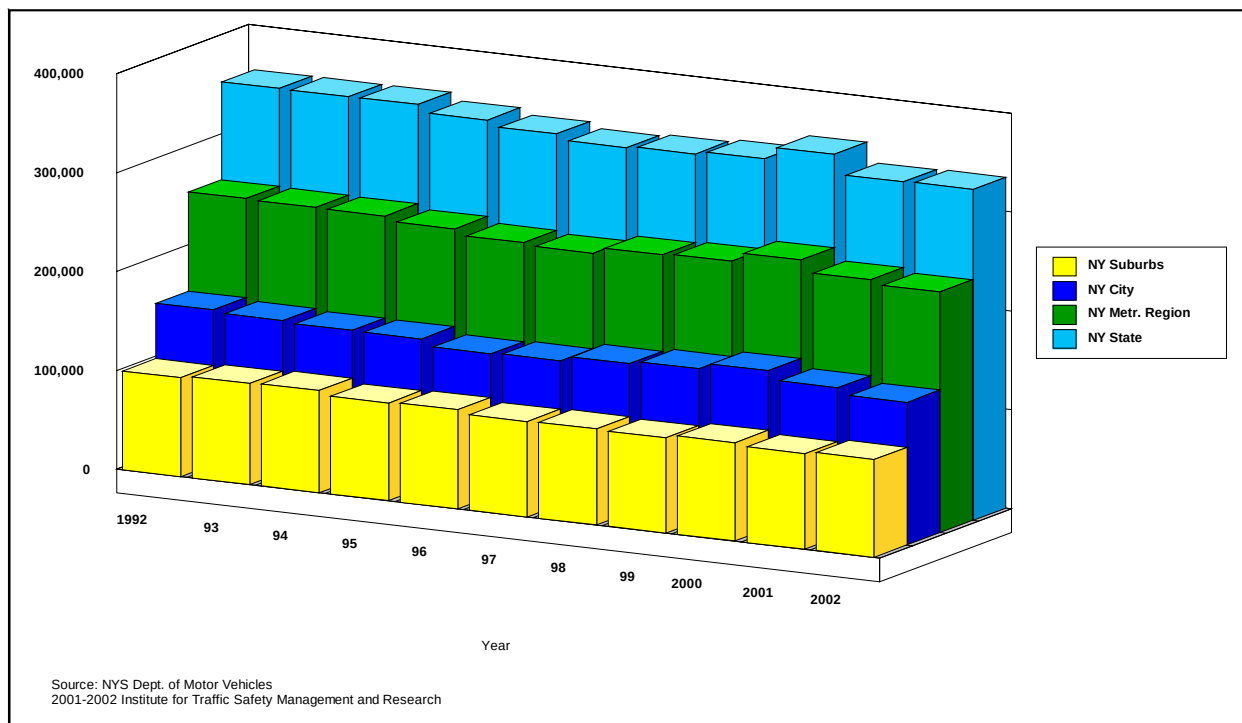
Source: NYS Dept. of Motor Vehicles  
 2001-2002 Institute for Traffic Safety Management and Research

Due to changes in data collection and reporting protocols with respect to property damage only crashes, data on the total number of crashes and hence the total number of vehicles involved in the years 1999-2001 are not comparable to prior or subsequent years.

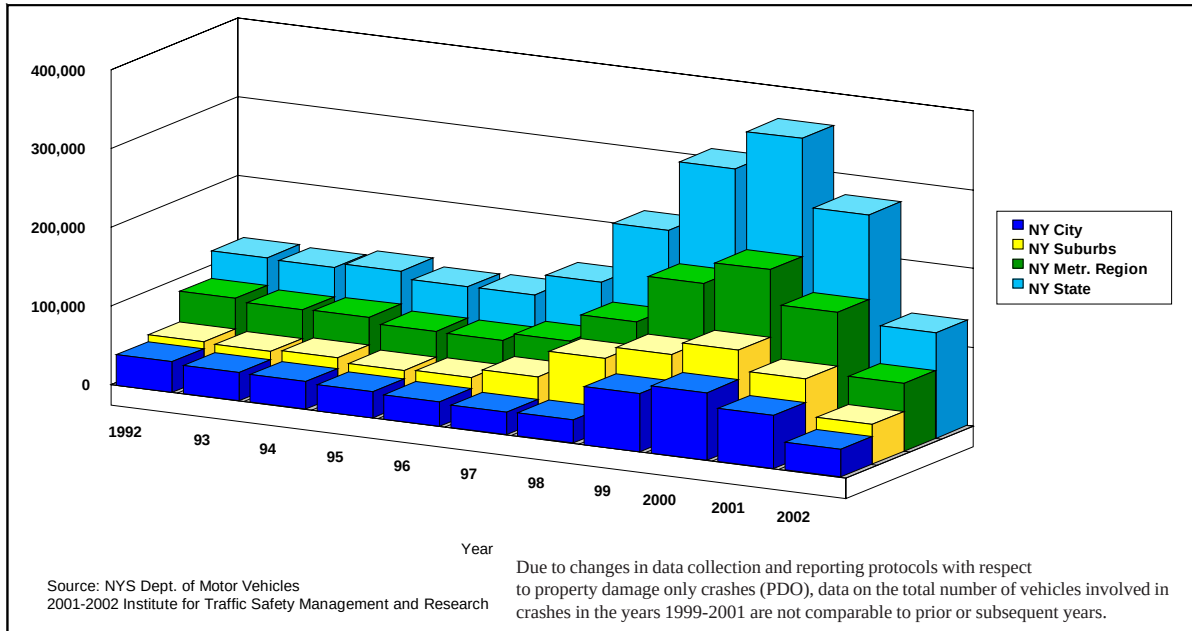
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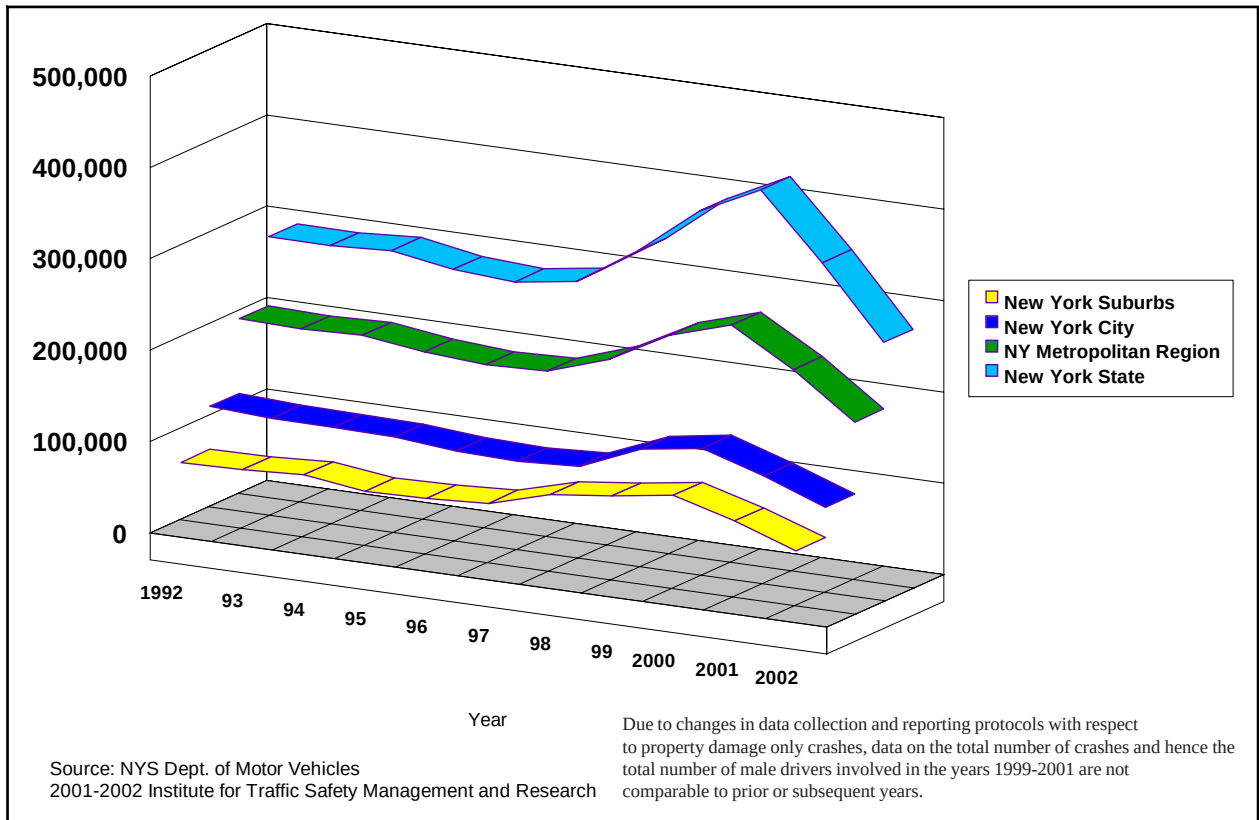
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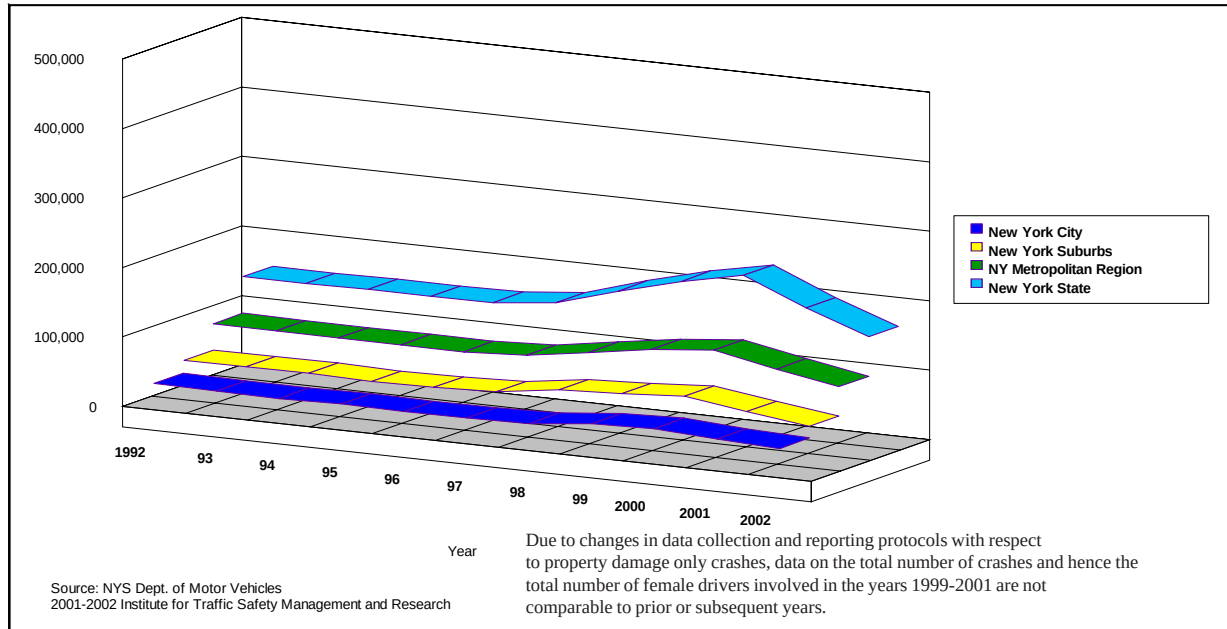
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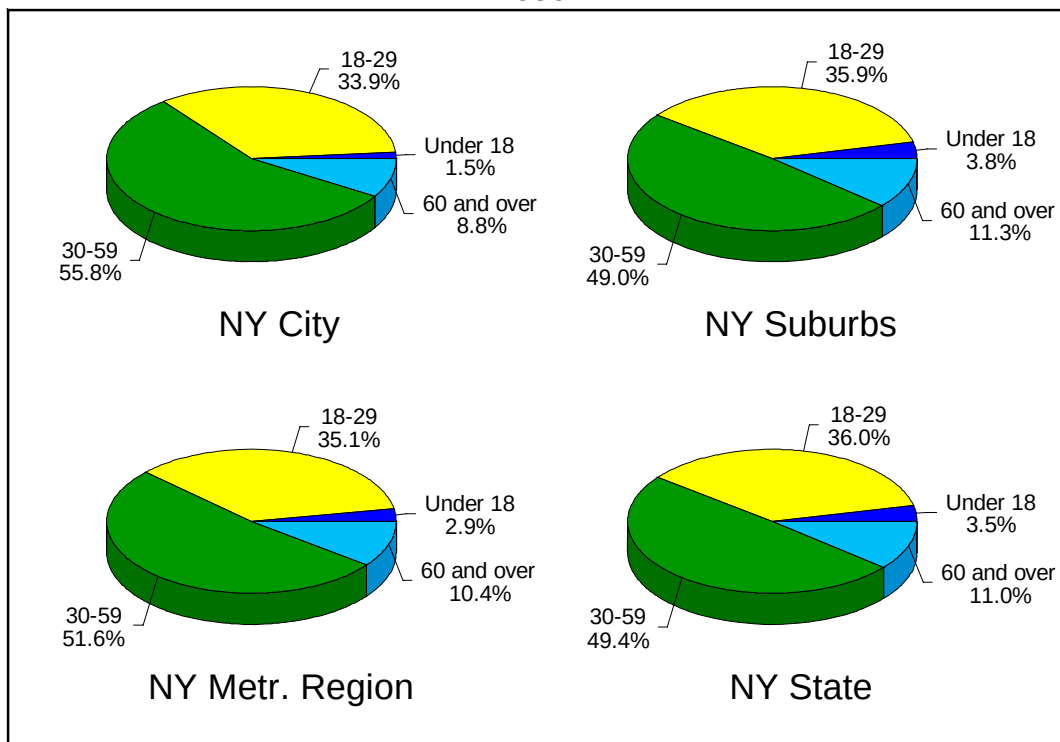
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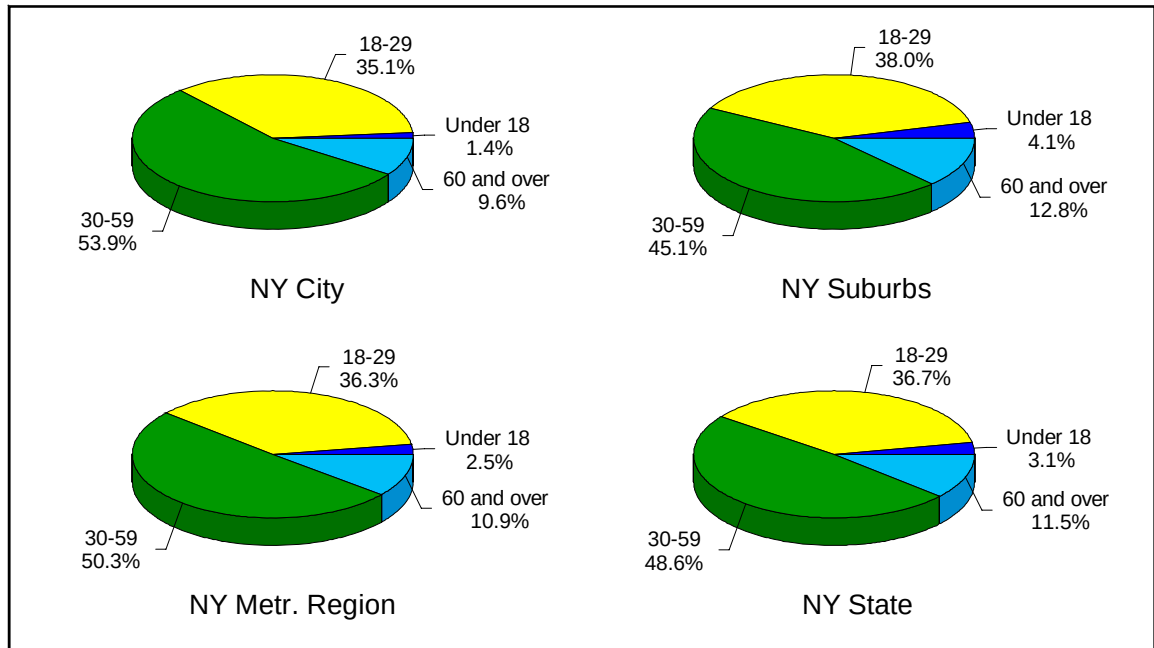
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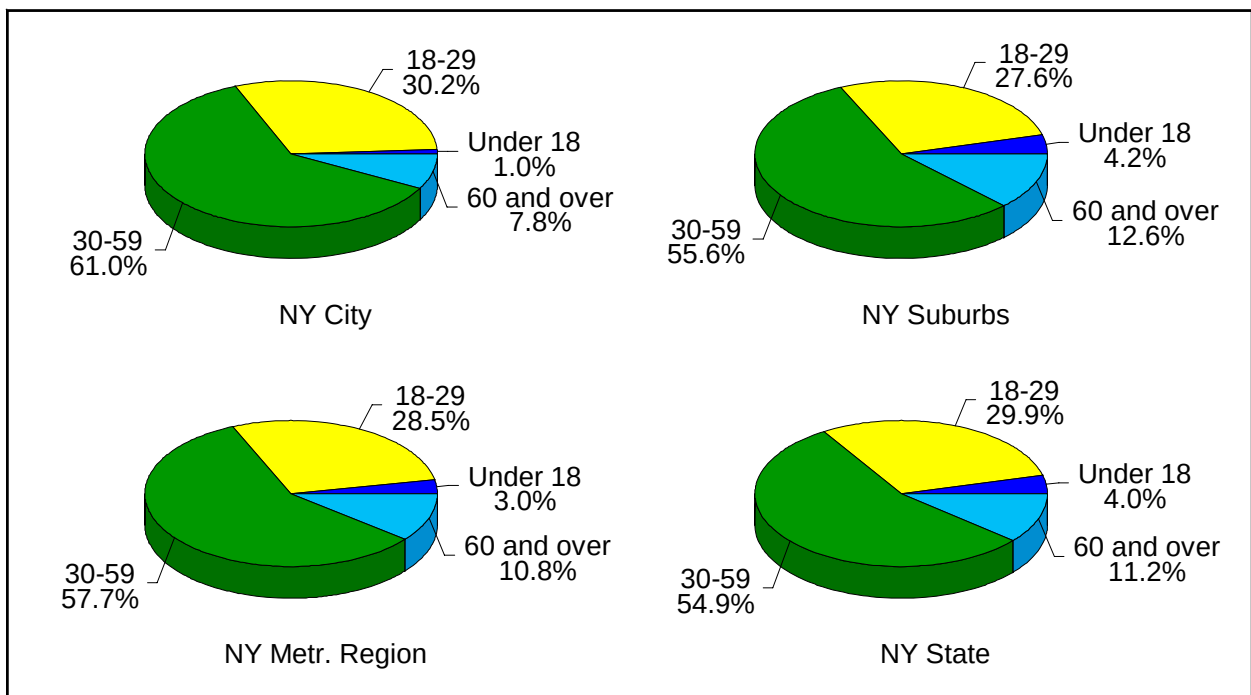
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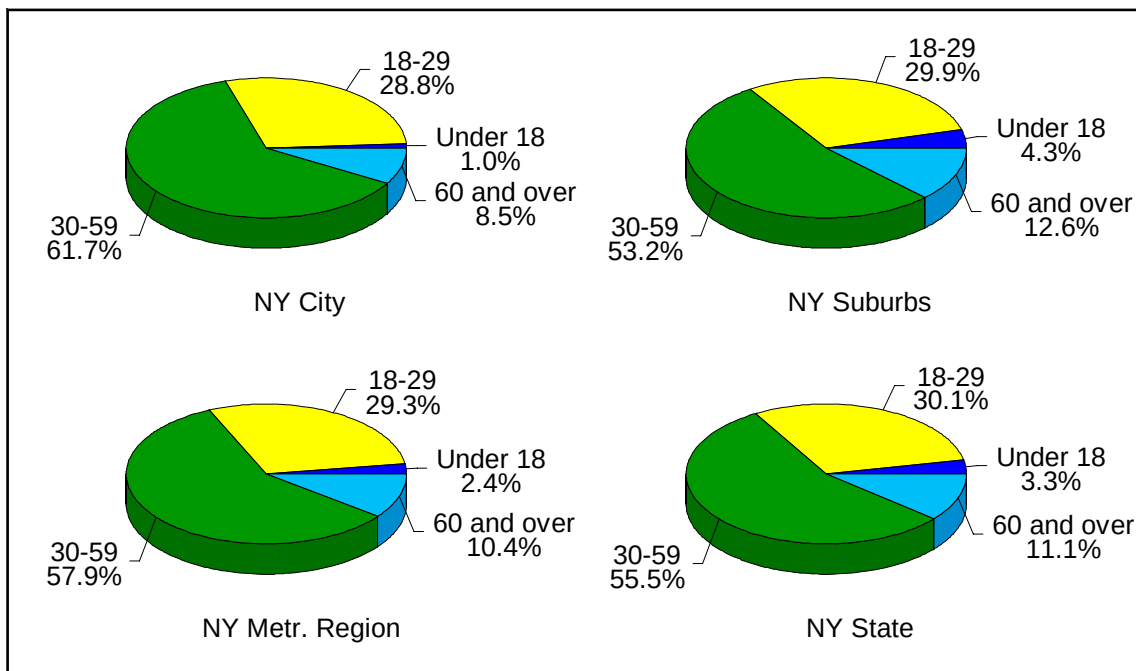
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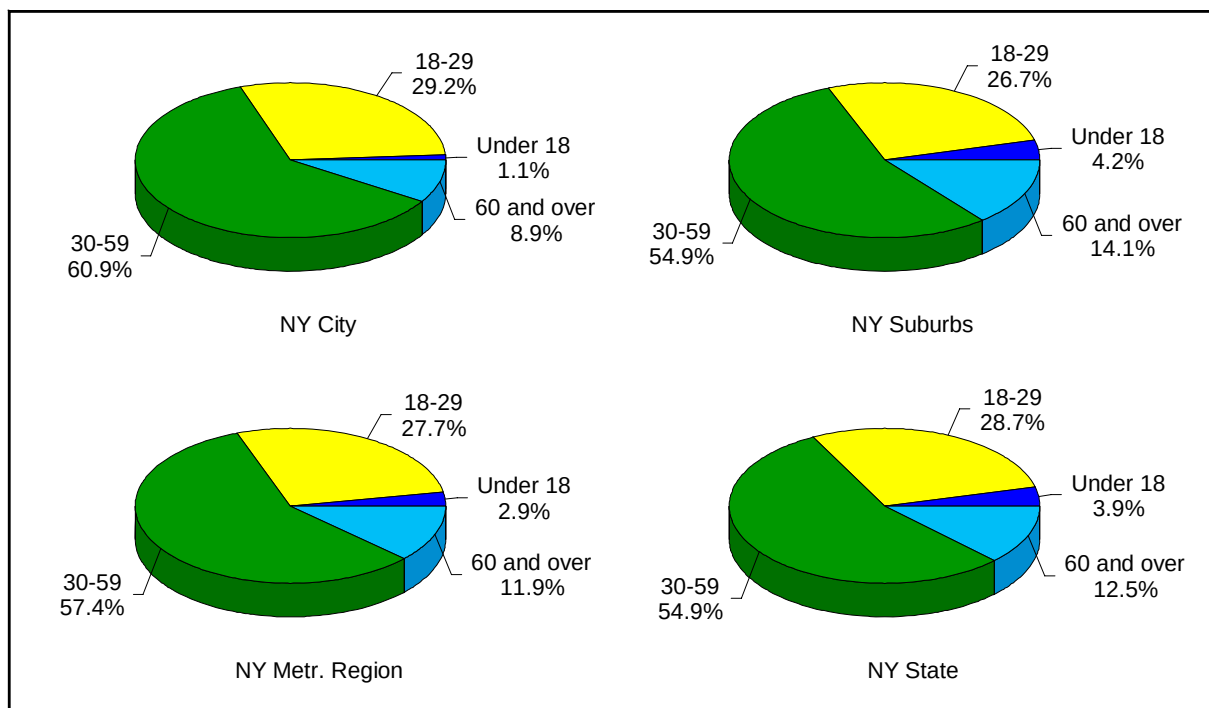
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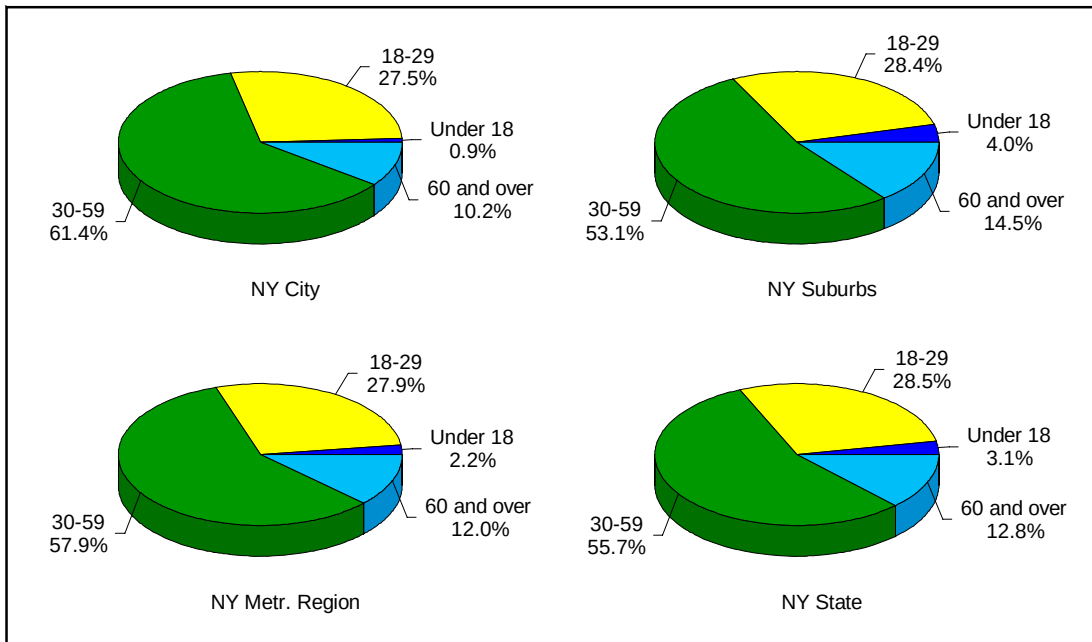
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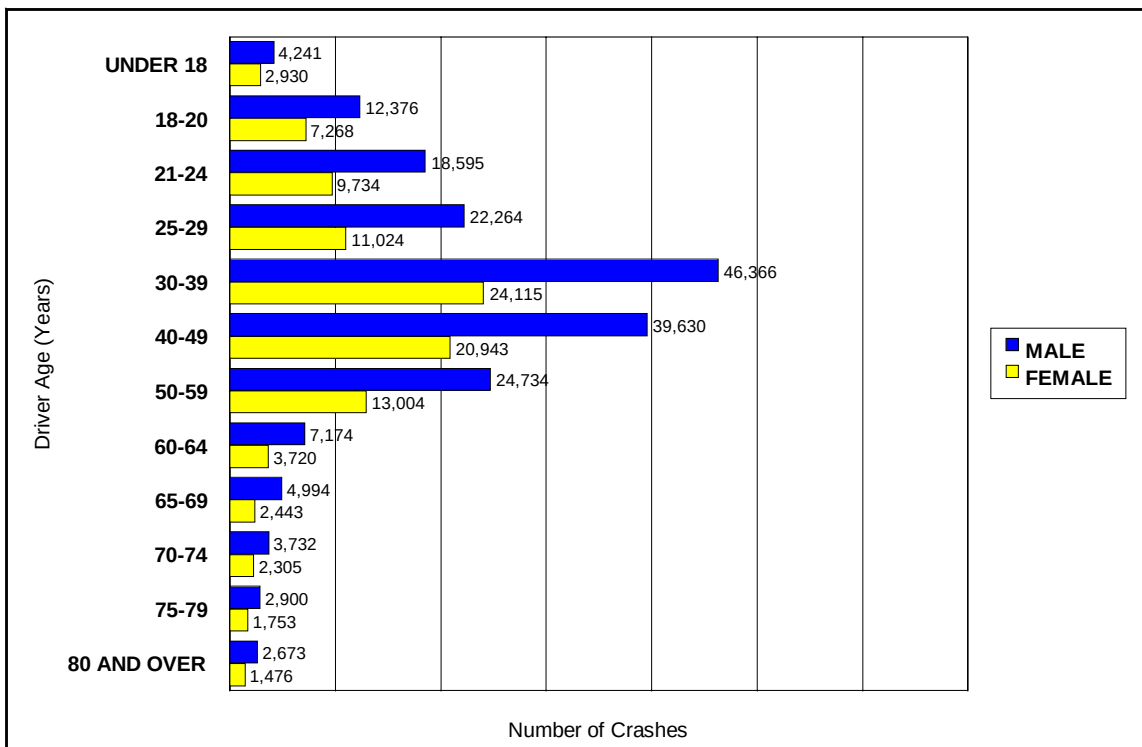
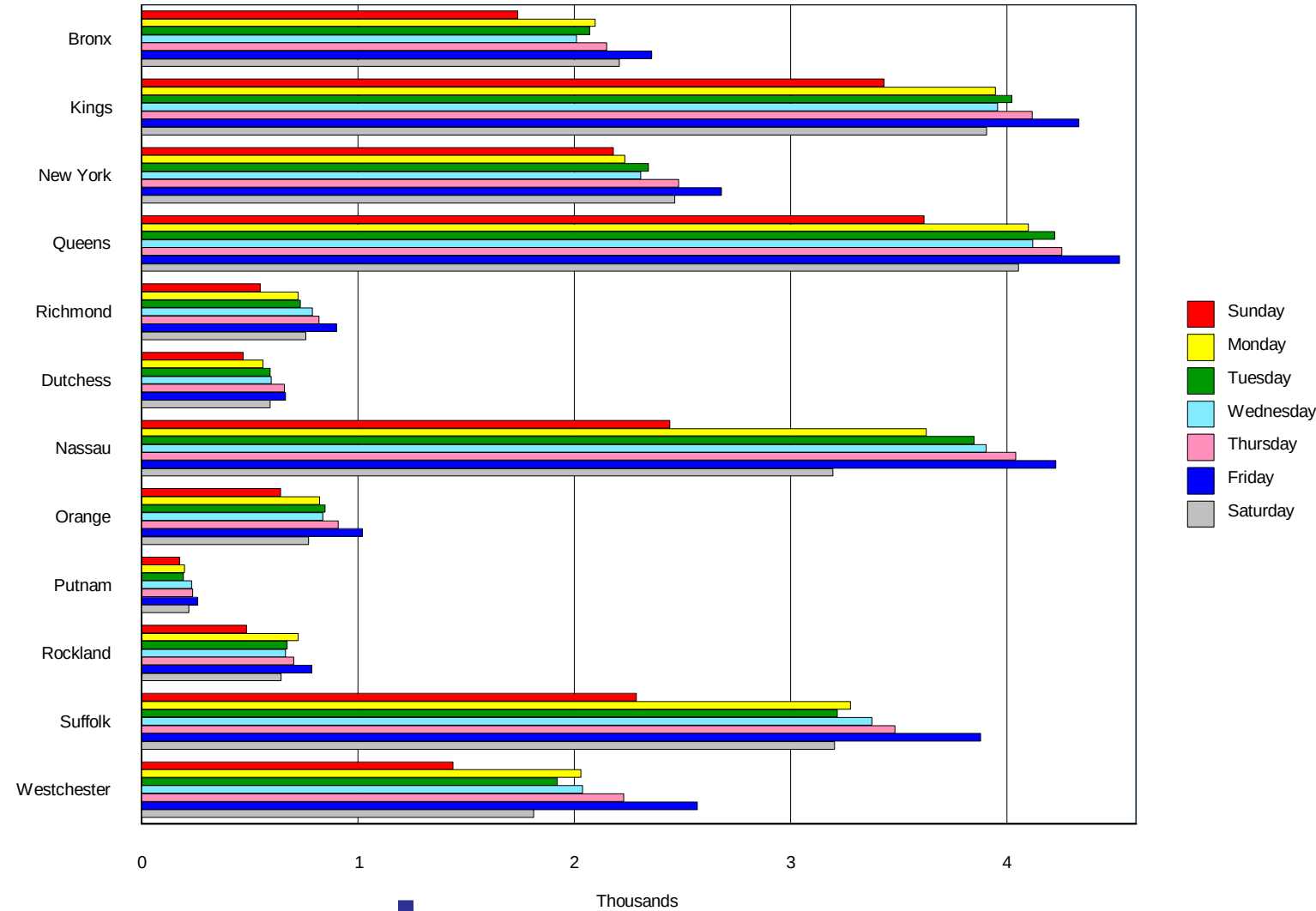
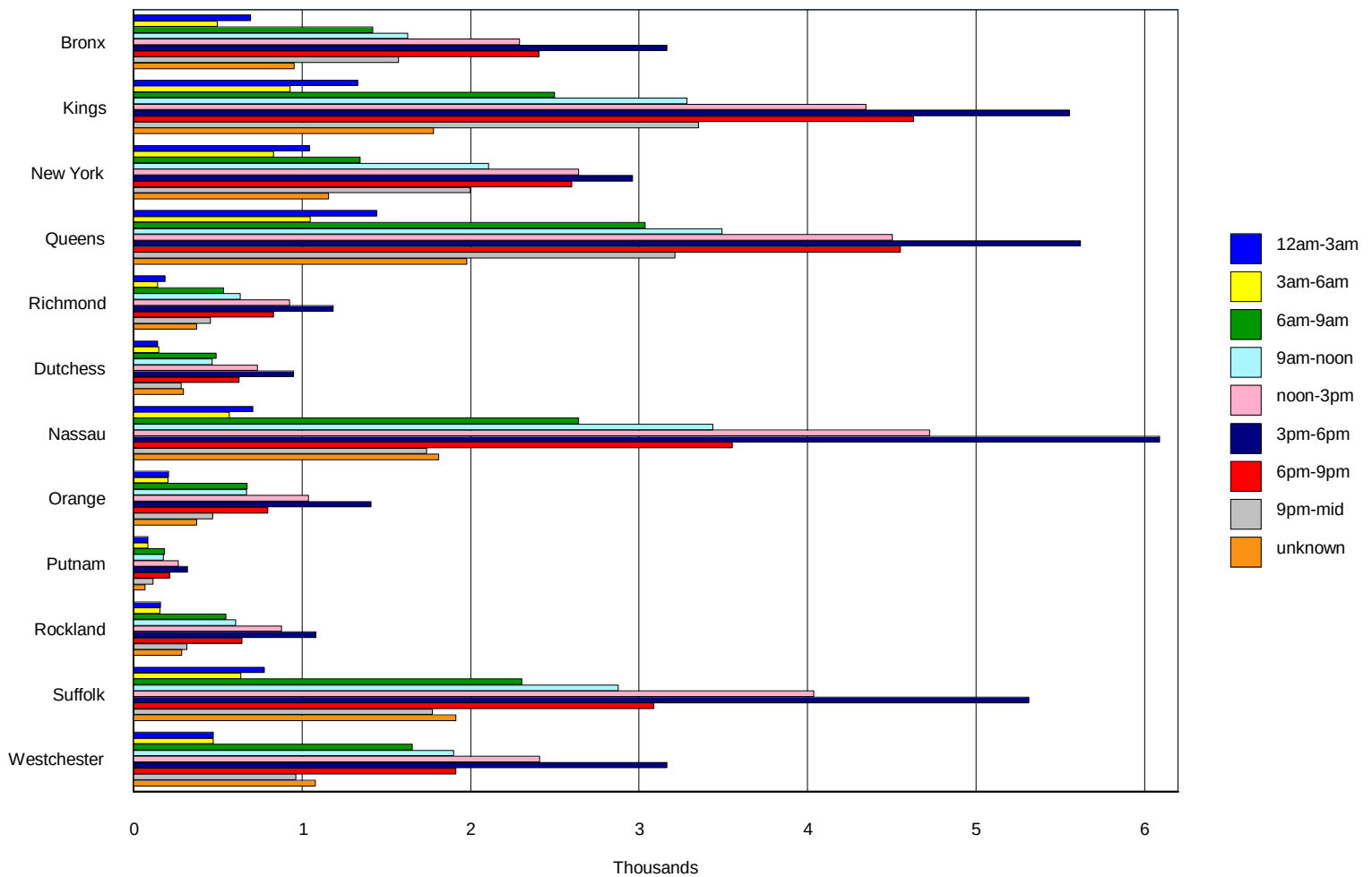


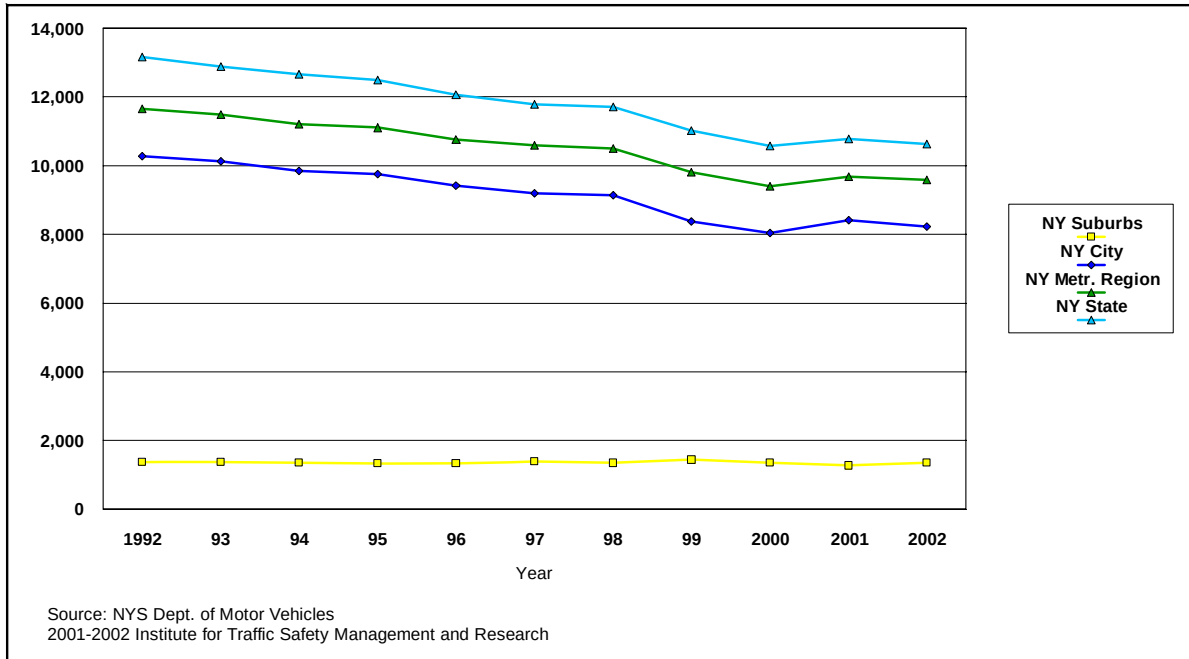
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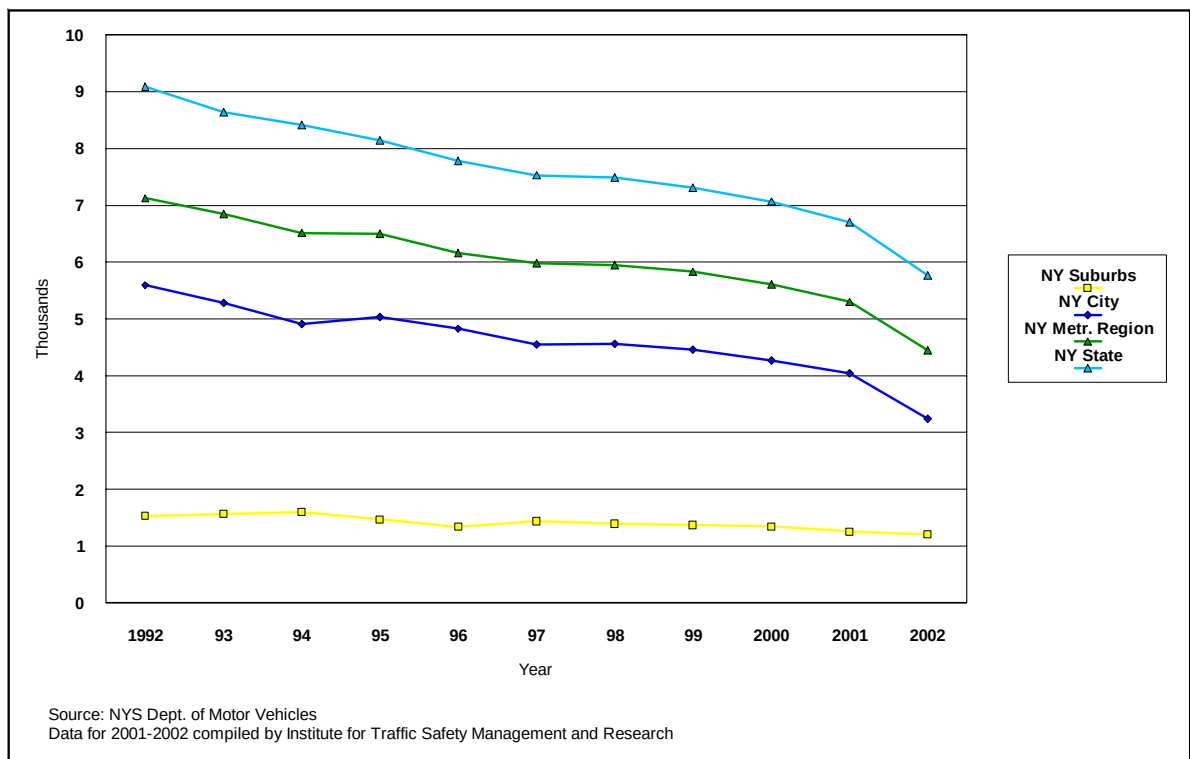
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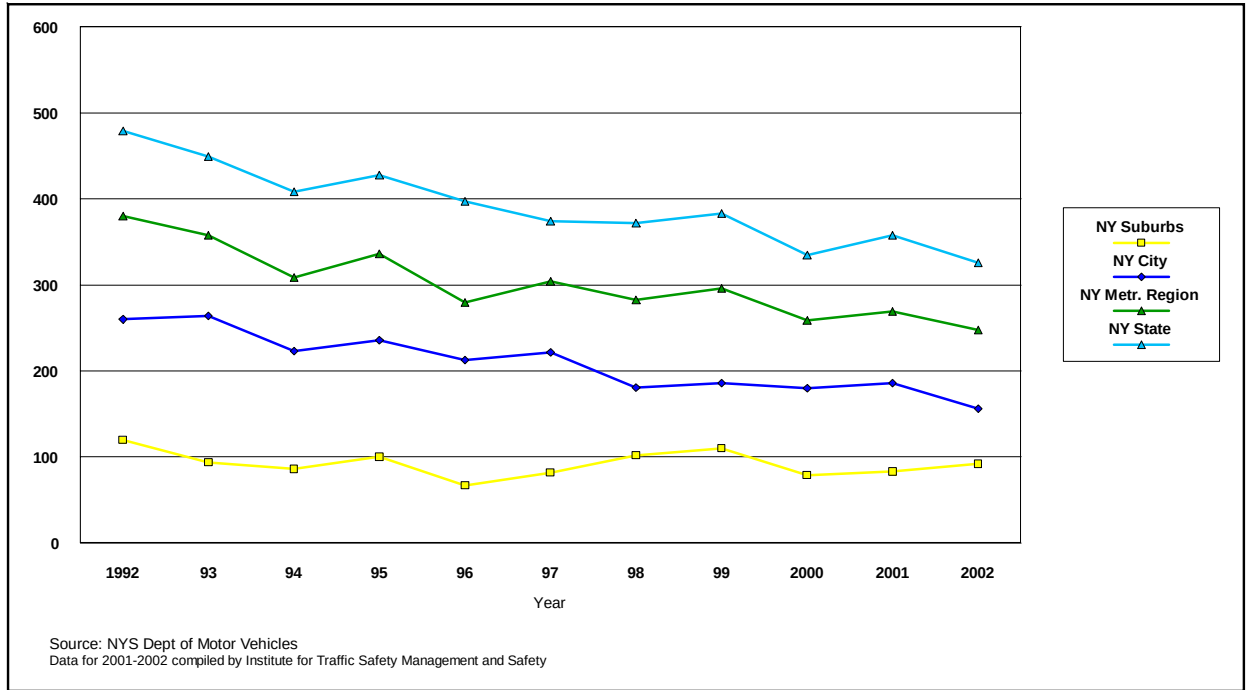
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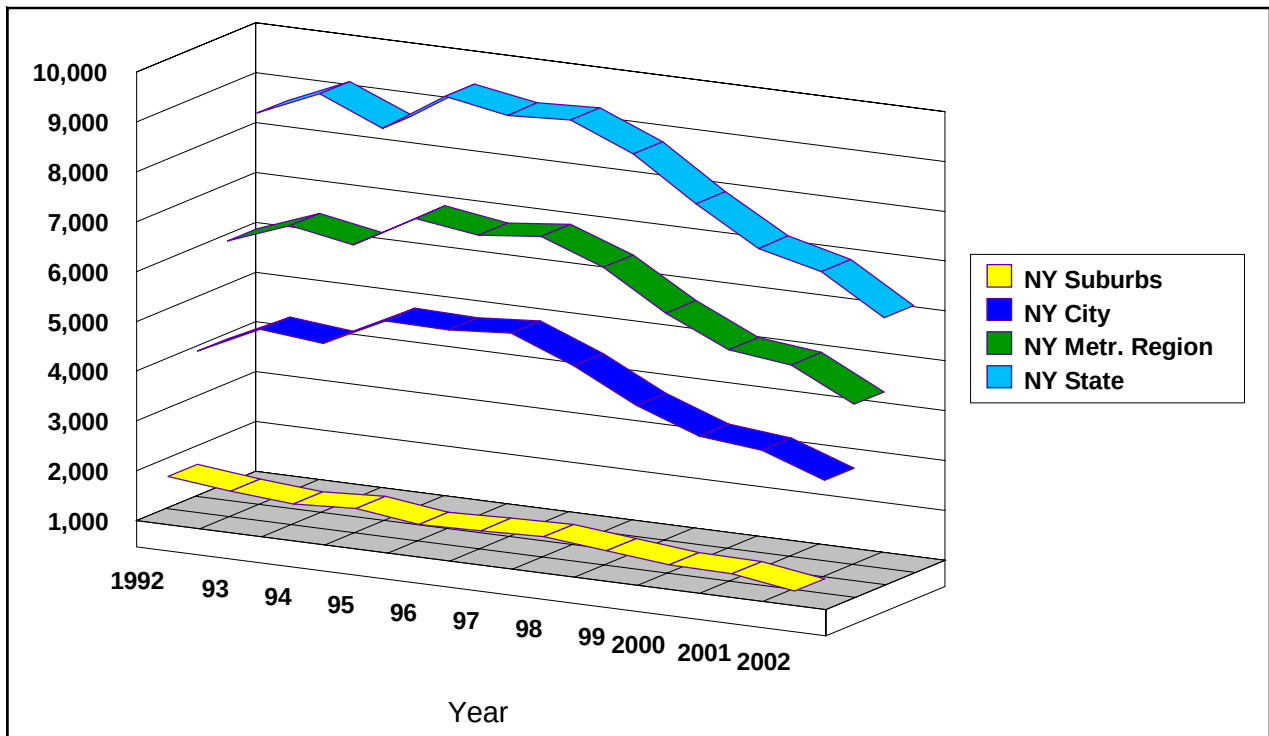
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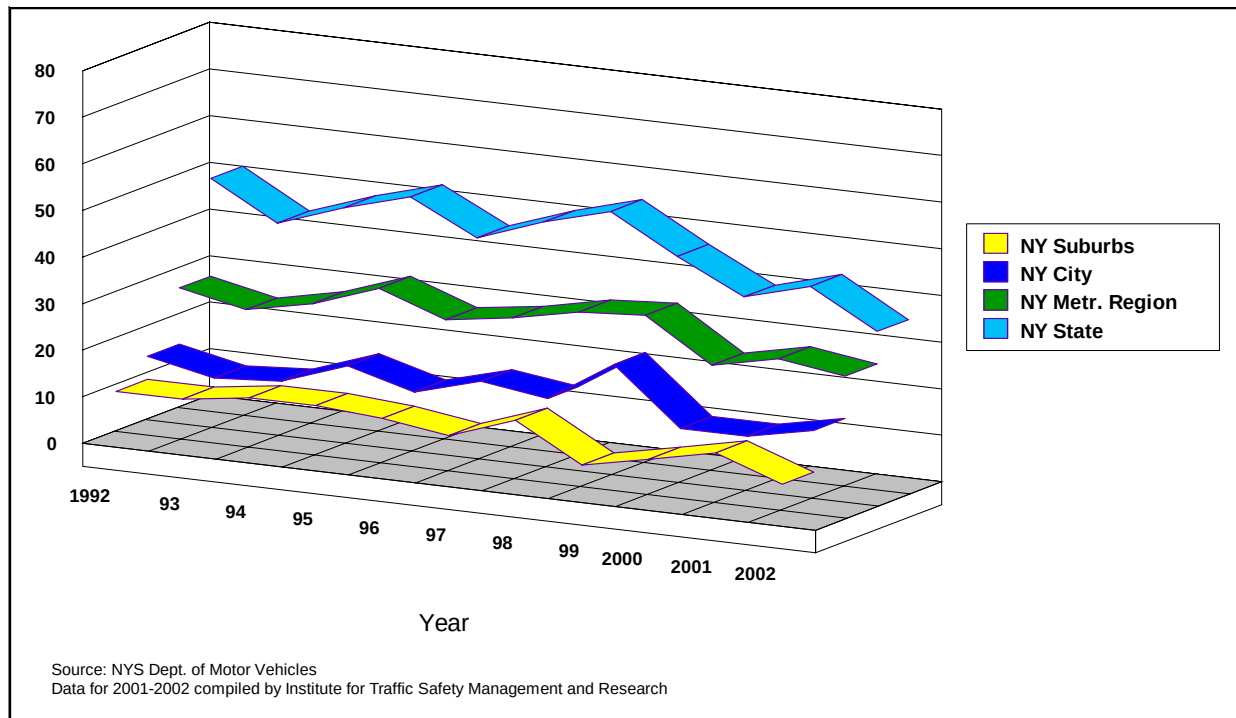
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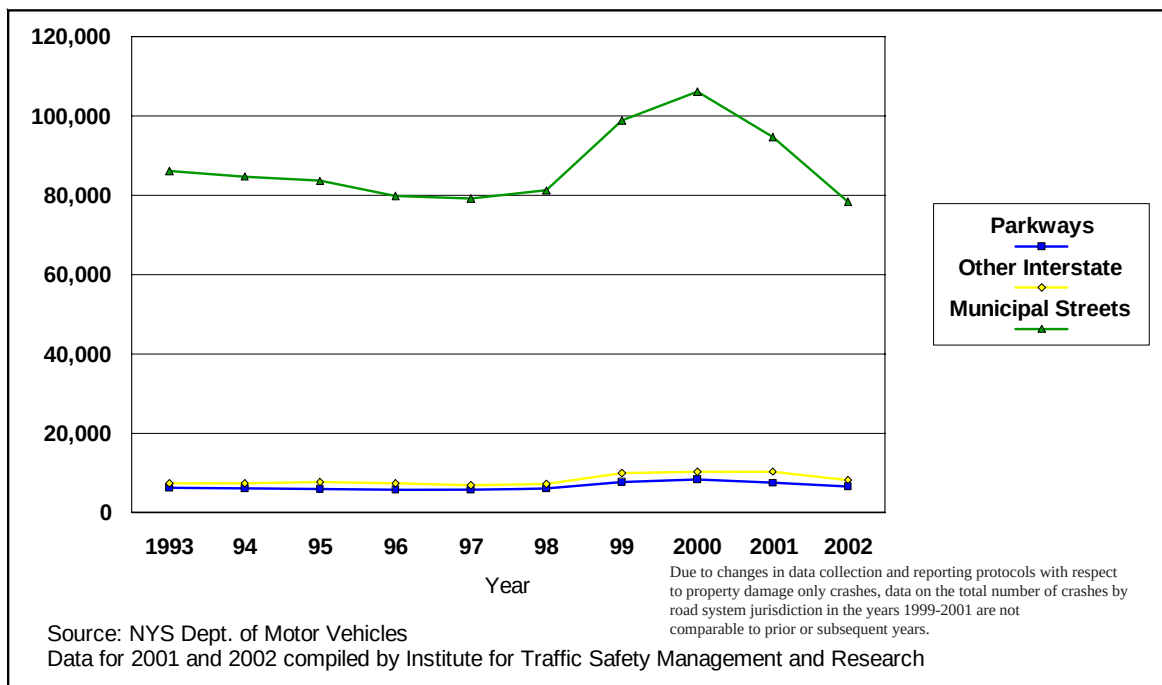
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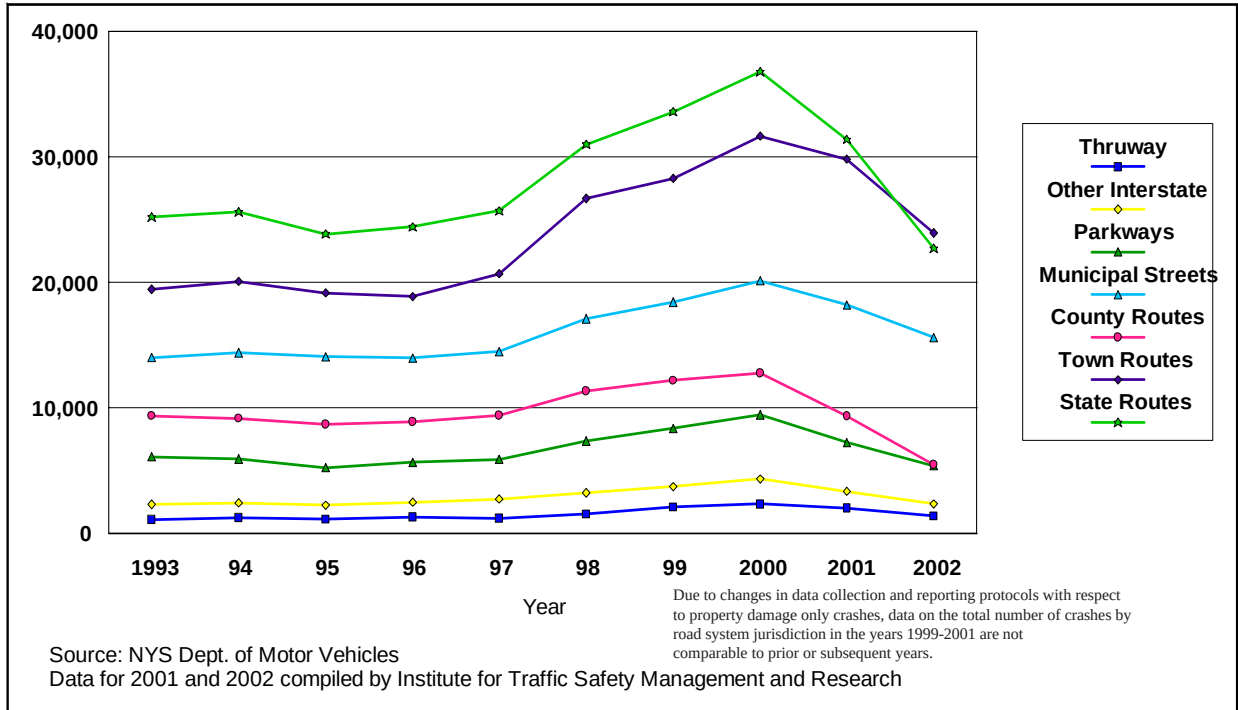
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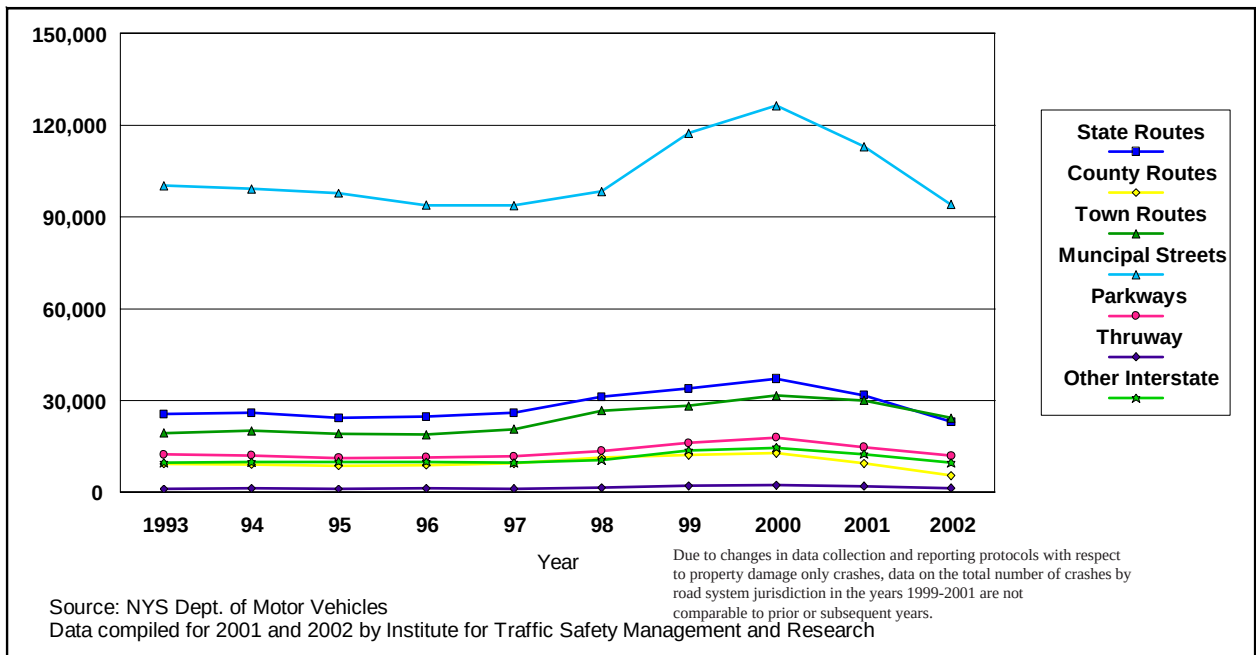
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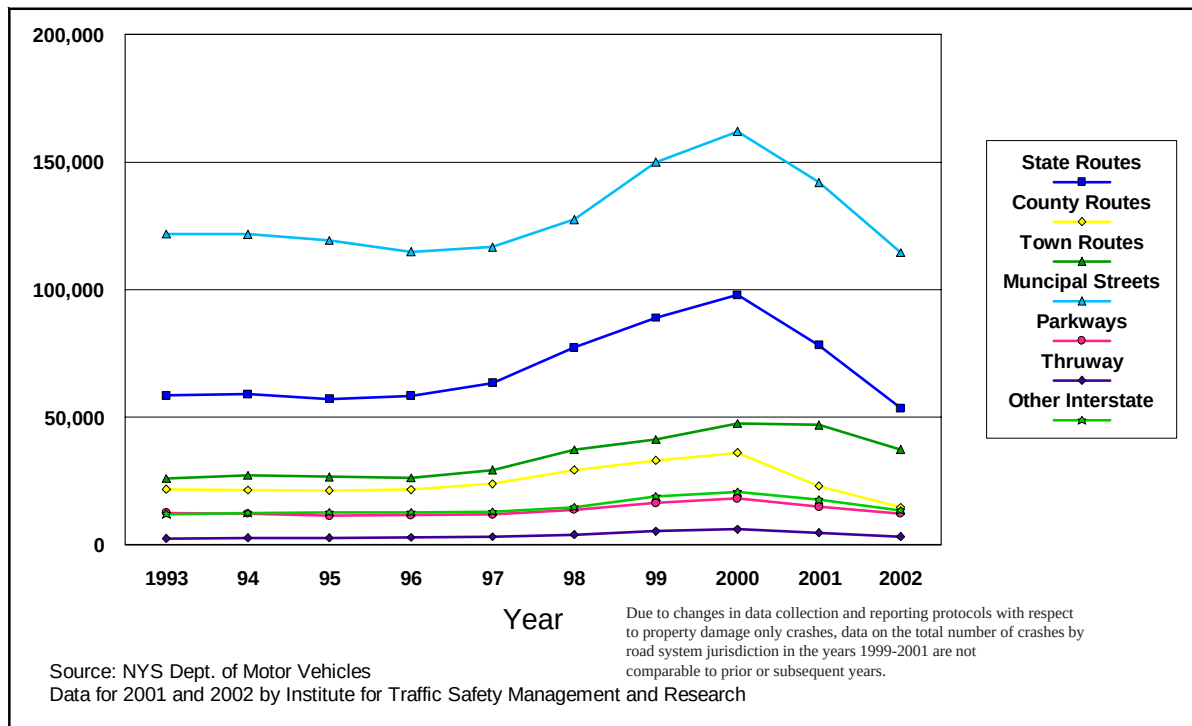
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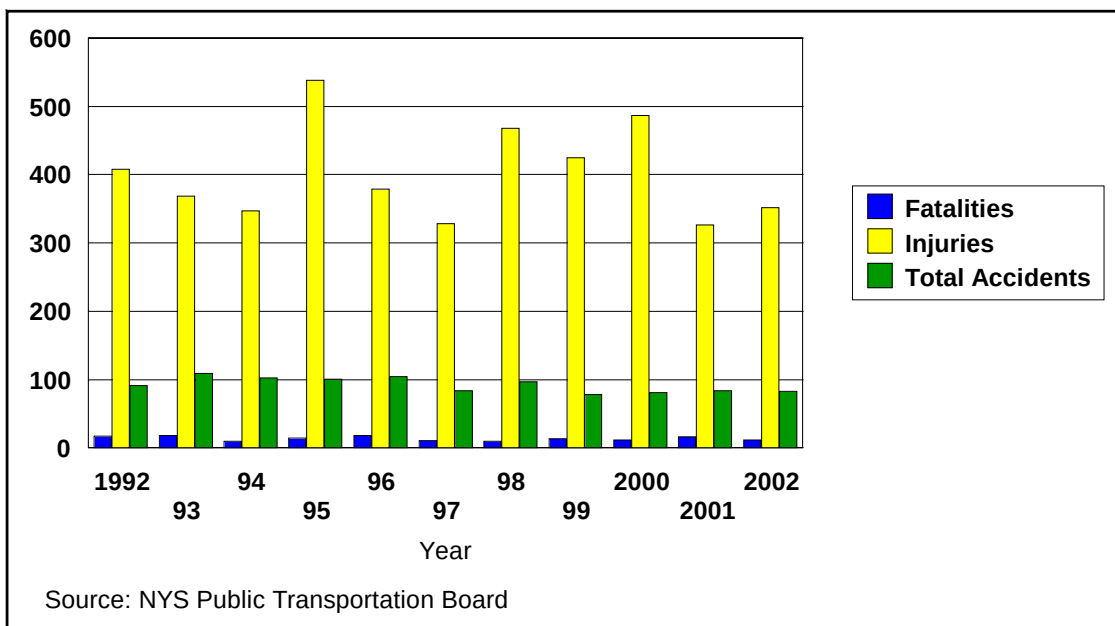
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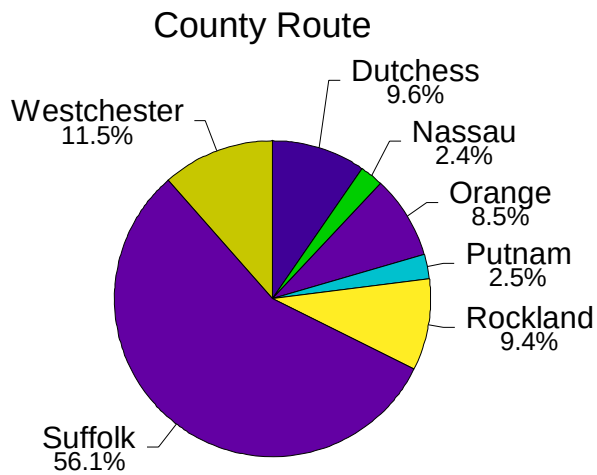
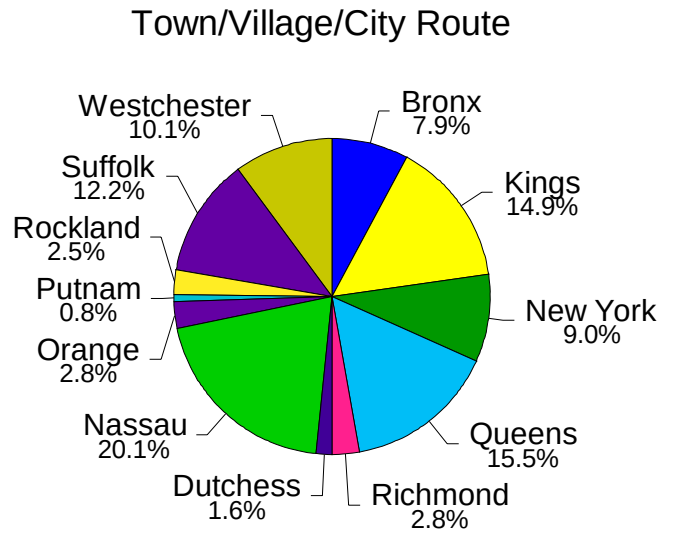
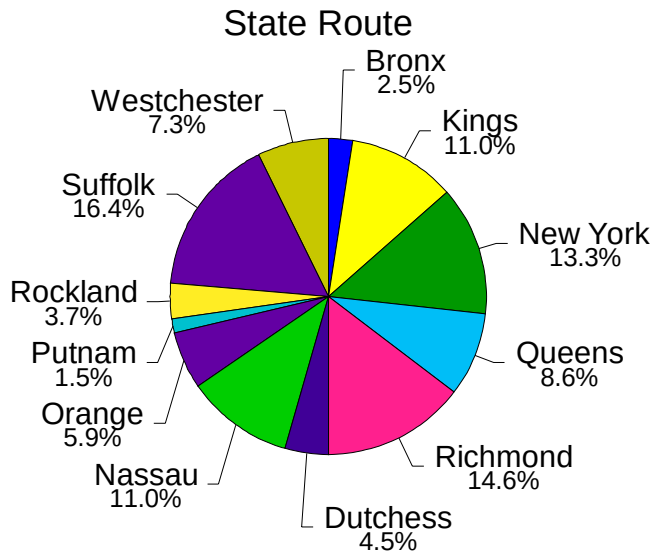
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**PART III**  
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TABLE 1  
**TOTAL NUMBER OF MOTOR VEHICLE CRASHES**

|                                                                                                                                           | 1992           | 1993           | 1994           | 1995           | 1996           | 1997           | 1998           | 1999           | 2000           | 2001           | 2002           |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Bronx                                                                                                                                     | 14,573         | 13,819         | 13,493         | 13,568         | 12,899         | 13,114         | 13,272         | 17,950         | 19,953         | 17,864         | 14,653         |
| Kings                                                                                                                                     | 31,360         | 30,922         | 30,485         | 30,129         | 28,499         | 28,768         | 30,082         | 35,782         | 38,151         | 33,370         | 27,736         |
| New York                                                                                                                                  | 20,098         | 20,317         | 20,382         | 19,694         | 19,219         | 18,731         | 18,176         | 22,956         | 24,609         | 21,646         | 16,714         |
| Queens                                                                                                                                    | 30,898         | 29,905         | 29,302         | 29,243         | 27,695         | 26,690         | 28,274         | 34,697         | 36,578         | 33,574         | 28,911         |
| Richmond                                                                                                                                  | 5,822          | 5,469          | 5,171          | 5,361          | 5,266          | 5,125          | 5,318          | 5,781          | 6,258          | 6,183          | 5,298          |
| <b>NEW YORK CITY</b>                                                                                                                      | <b>102,751</b> | <b>100,432</b> | <b>98,833</b>  | <b>97,995</b>  | <b>93,578</b>  | <b>92,428</b>  | <b>95,122</b>  | <b>117,166</b> | <b>125,549</b> | <b>112,637</b> | <b>93,312</b>  |
| Dutchess                                                                                                                                  | 4,207          | 4,097          | 4,320          | 4,116          | 4,512          | 4,733          | 5,815          | 6,577          | 7,041          | 5,921          | 4,166          |
| Nassau                                                                                                                                    | 25,492         | 25,426         | 25,334         | 24,196         | 23,948         | 26,599         | 33,100         | 35,212         | 37,716         | 32,297         | 25,305         |
| Orange                                                                                                                                    | 5,370          | 5,301          | 5,686          | 5,260          | 5,403          | 5,528          | 6,866          | 8,204          | 9,604          | 8,183          | 5,870          |
| Putnam                                                                                                                                    | 1,598          | 1,629          | 1,744          | 1,545          | 1,688          | 1,773          | 1,936          | 2,141          | 2,649          | 2,344          | 1,531          |
| Rockland                                                                                                                                  | 4,485          | 4,641          | 4,969          | 4,722          | 4,933          | 4,748          | 5,279          | 6,396          | 7,262          | 6,069          | 4,702          |
| Suffolk                                                                                                                                   | 22,998         | 23,319         | 23,389         | 21,630         | 21,729         | 23,262         | 29,642         | 31,407         | 34,854         | 30,518         | 22,742         |
| Westchester                                                                                                                               | 13,573         | 13,673         | 14,074         | 13,503         | 13,992         | 14,097         | 16,314         | 17,452         | 19,153         | 17,359         | 14,060         |
| <b>NEW YORK SUBURBS</b>                                                                                                                   | <b>77,723</b>  | <b>78,086</b>  | <b>79,516</b>  | <b>74,972</b>  | <b>76,205</b>  | <b>80,740</b>  | <b>98,952</b>  | <b>107,389</b> | <b>118,279</b> | <b>102,691</b> | <b>78,376</b>  |
| <b>DOWNSTATE NY</b>                                                                                                                       | <b>180,474</b> | <b>178,518</b> | <b>178,349</b> | <b>172,967</b> | <b>169,783</b> | <b>173,168</b> | <b>194,074</b> | <b>224,555</b> | <b>243,828</b> | <b>215,328</b> | <b>171,688</b> |
| <b>NEW YORK STATE</b>                                                                                                                     | <b>258,596</b> | <b>257,209</b> | <b>259,184</b> | <b>253,136</b> | <b>250,521</b> | <b>263,604</b> | <b>306,646</b> | <b>356,981</b> | <b>392,245</b> | <b>331,979</b> | <b>253,710</b> |
| <i>Downstate % of NYS</i>                                                                                                                 | <b>69.8</b>    | <b>69.4</b>    | <b>68.8</b>    | <b>68.3</b>    | <b>67.8</b>    | <b>65.7</b>    | <b>63.3</b>    | <b>62.9</b>    | <b>62.2</b>    | <b>64.9</b>    | <b>67.7</b>    |
| Source: New York State Dept. of Motor Vehicles<br>Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research |                |                |                |                |                |                |                |                |                |                |                |

Due to changes in data collection and reporting protocols with respect to property damage only crashes, data on the total number of crashes in the years 1999-2001 are not comparable to prior or subsequent years.

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

|                              | 1992          | 1993          | 1994          | 1995          | 1996          | 1997          | 1998          | 1999          | 2000          | 2001          | 2002          |
|------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Bronx                        | 89            | 79            | 64            | 74            | 54            | 72            | 49            | 59            | 49            | 55            | 58            |
| Kings                        | 143           | 142           | 117           | 117           | 109           | 134           | 115           | 114           | 105           | 111           | 92            |
| New York                     | 88            | 99            | 82            | 96            | 84            | 81            | 59            | 66            | 70            | 55            | 50            |
| Queens                       | 170           | 140           | 133           | 132           | 116           | 123           | 112           | 118           | 100           | 104           | 108           |
| Richmond                     | 20            | 17            | 23            | 19            | 17            | 14            | 22            | 15            | 24            | 27            | 20            |
| <b>NEW YORK CITY</b>         | <b>510</b>    | <b>477</b>    | <b>419</b>    | <b>438</b>    | <b>380</b>    | <b>424</b>    | <b>357</b>    | <b>372</b>    | <b>348</b>    | <b>352</b>    | <b>328</b>    |
| Dutchess                     | 25            | 34            | 30            | 30            | 22            | 31            | 27            | 29            | 29            | 39            | 15            |
| Nassau                       | 122           | 104           | 107           | 101           | 75            | 112           | 101           | 123           | 94            | 93            | 110           |
| Orange                       | 42            | 38            | 47            | 35            | 37            | 39            | 31            | 43            | 30            | 36            | 43            |
| Putnam                       | 10            | 13            | 16            | 12            | 16            | 13            | 12            | 15            | 10            | 10            | 12            |
| Rockland                     | 14            | 19            | 25            | 20            | 14            | 26            | 26            | 22            | 18            | 20            | 25            |
| Suffolk                      | 174           | 181           | 146           | 166           | 153           | 147           | 162           | 153           | 151           | 164           | 151           |
| Westchester                  | 65            | 57            | 53            | 65            | 63            | 54            | 52            | 51            | 56            | 54            | 72            |
| <b>NEW YORK SUBURBS</b>      | <b>452</b>    | <b>446</b>    | <b>424</b>    | <b>429</b>    | <b>380</b>    | <b>422</b>    | <b>411</b>    | <b>436</b>    | <b>388</b>    | <b>416</b>    | <b>428</b>    |
| <b>DOWNSTATE NY</b>          | <b>962</b>    | <b>923</b>    | <b>843</b>    | <b>867</b>    | <b>760</b>    | <b>846</b>    | <b>768</b>    | <b>808</b>    | <b>736</b>    | <b>768</b>    | <b>756</b>    |
| <b>NEW YORK STATE</b>        | <b>1,650</b>  | <b>1,623</b>  | <b>1,528</b>  | <b>1,557</b>  | <b>1,451</b>  | <b>1,488</b>  | <b>1,395</b>  | <b>1,460</b>  | <b>1,358</b>  | <b>1,431</b>  | <b>1,390</b>  |
| <b>Downstate % of NYS</b>    | <b>58.3</b>   | <b>56.9</b>   | <b>55.2</b>   | <b>55.7</b>   | <b>52.4</b>   | <b>56.9</b>   | <b>55.1</b>   | <b>55.3</b>   | <b>54.2</b>   | <b>53.7</b>   | <b>54.4</b>   |
| <b>UNITED STATES</b>         | <b>34,928</b> | <b>35,780</b> | <b>36,254</b> | <b>37,241</b> | <b>37,351</b> | <b>37,280</b> | <b>37,081</b> | <b>37,043</b> | <b>37,409</b> | <b>37,795</b> | <b>38,309</b> |
| <b>Downstate % of Nation</b> | <b>2.8</b>    | <b>2.6</b>    | <b>2.3</b>    | <b>2.3</b>    | <b>2.0</b>    | <b>2.3</b>    | <b>2.1</b>    | <b>2.2</b>    | <b>2.0</b>    | <b>2.0</b>    | <b>2.0</b>    |

Source: New York State Dept. of Motor Vehicles  
 Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

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

|                         | 1992         | 1993         | 1994         | 1995         | 1996         | 1997         | 1998         | 1999         | 2000         | 2001         | 2002         |
|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Bronx                   | 7.45         | 6.59         | 5.34         | 6.19         | 4.52         | 6.06         | 4.10         | 4.94         | 3.68         | 4.11         | 4.28         |
| Kings                   | 6.25         | 6.20         | 5.11         | 5.13         | 4.79         | 5.98         | 5.07         | 5.03         | 4.26         | 4.50         | 3.70         |
| New York                | 5.91         | 6.60         | 5.42         | 6.29         | 5.48         | 5.27         | 3.80         | 4.25         | 4.55         | 3.57         | 3.23         |
| Queens                  | 8.70         | 7.13         | 6.76         | 6.69         | 5.86         | 6.23         | 5.60         | 5.90         | 4.49         | 4.68         | 4.83         |
| Richmond                | 5.12         | 4.30         | 5.81         | 4.79         | 4.26         | 3.48         | 5.40         | 3.63         | 5.41         | 6.00         | 4.37         |
| <b>NEW YORK CITY</b>    | <b>6.97</b>  | <b>6.49</b>  | <b>5.69</b>  | <b>5.94</b>  | <b>5.15</b>  | <b>5.77</b>  | <b>4.81</b>  | <b>5.01</b>  | <b>4.35</b>  | <b>4.39</b>  | <b>4.06</b>  |
| Dutchess                | 9.53         | 12.93        | 11.48        | 11.47        | 8.38         | 11.71        | 10.18        | 10.81        | 10.35        | 13.71        | 5.21         |
| Nassau                  | 9.42         | 8.00         | 8.22         | 7.75         | 5.75         | 8.59         | 7.76         | 9.42         | 7.04         | 6.97         | 8.18         |
| Orange                  | 13.32        | 11.94        | 14.69        | 10.86        | 11.40        | 11.92        | 9.42         | 12.87        | 8.78         | 10.32        | 12.05        |
| Putnam                  | 11.51        | 14.76        | 17.96        | 13.31        | 17.59        | 14.07        | 12.85        | 15.82        | 10.44        | 10.29        | 12.21        |
| Rockland                | 5.19         | 6.96         | 9.08         | 7.22         | 5.03         | 9.29         | 9.24         | 7.75         | 6.28         | 6.93         | 8.57         |
| Suffolk                 | 13.05        | 13.49        | 10.84        | 12.28        | 11.28        | 10.79        | 11.81        | 11.06        | 10.64        | 11.40        | 10.35        |
| Westchester             | 7.37         | 6.43         | 5.97         | 7.29         | 7.05         | 6.03         | 5.79         | 5.63         | 6.06         | 5.81         | 7.68         |
| <b>NEW YORK SUBURBS</b> | <b>10.17</b> | <b>9.98</b>  | <b>9.46</b>  | <b>9.54</b>  | <b>8.43</b>  | <b>9.32</b>  | <b>9.05</b>  | <b>10.23</b> | <b>8.97</b>  | <b>8.81</b>  | <b>8.96</b>  |
| <b>DOWNSTATE NY</b>     | <b>8.18</b>  | <b>7.81</b>  | <b>7.12</b>  | <b>7.30</b>  | <b>6.39</b>  | <b>7.13</b>  | <b>6.42</b>  | <b>7.00</b>  | <b>6.05</b>  | <b>6.03</b>  | <b>5.88</b>  |
| <b>NEW YORK STATE</b>   | <b>9.12</b>  | <b>8.93</b>  | <b>8.40</b>  | <b>8.56</b>  | <b>7.98</b>  | <b>8.20</b>  | <b>7.68</b>  | <b>8.02</b>  | <b>7.16</b>  | <b>7.53</b>  | <b>7.26</b>  |
| <b>UNITED STATES</b>    | <b>13.70</b> | <b>13.88</b> | <b>13.92</b> | <b>14.17</b> | <b>14.08</b> | <b>13.93</b> | <b>13.72</b> | <b>13.58</b> | <b>13.29</b> | <b>13.27</b> | <b>14.80</b> |

Source: NYMTC estimates based on statistics from New York State Dept. of Motor Vehicles and Census Bureau  
 Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

TABLE 4  
**MOTOR VEHICLE CRASHES  
 RESULTING IN INJURY**

|                              | 1992             | 1993           | 1994           | 1995             | 1996             | 1997             | 1998             | 1999             | 2000             | 2001             | 2002             |
|------------------------------|------------------|----------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Bronx                        | 12,071           | 11,418         | 10,983         | 11,249           | 10,612           | 10,904           | 11,071           | 11,960           | 13,194           | 12,447           | 11,978           |
| Kings                        | 26,425           | 26,438         | 26,252         | 26,286           | 25,062           | 25,559           | 26,721           | 26,511           | 27,190           | 25,229           | 23,698           |
| New York                     | 16,787           | 17,088         | 16,913         | 16,250           | 15,824           | 15,711           | 15,243           | 14,679           | 14,624           | 14,058           | 13,340           |
| Queens                       | 23,733           | 23,299         | 23,049         | 23,461           | 22,000           | 21,849           | 23,160           | 23,875           | 24,459           | 23,456           | 22,655           |
| Richmond                     | 4,486            | 4,304          | 4,036          | 4,188            | 4,242            | 4,133            | 4,204            | 3,808            | 3,805            | 3,976            | 3,857            |
| <b>NEW YORK CITY</b>         | <b>83,502</b>    | <b>82,547</b>  | <b>81,233</b>  | <b>81,434</b>    | <b>77,740</b>    | <b>78,156</b>    | <b>80,399</b>    | <b>80,833</b>    | <b>83,272</b>    | <b>79,166</b>    | <b>75,528</b>    |
| Dutchess                     | 2,742            | 2,733          | 2,851          | 2,800            | 2,901            | 2,829            | 2,646            | 2,818            | 2,755            | 2,639            | 2,650            |
| Nassau                       | 17,388           | 17,528         | 17,418         | 16,997           | 16,884           | 16,828           | 16,933           | 16,681           | 17,304           | 16,528           | 16,959           |
| Orange                       | 3,801            | 3,731          | 3,829          | 3,631            | 3,674            | 3,324            | 3,364            | 3,511            | 3,662            | 3,524            | 3,831            |
| Putnam                       | 998              | 1,046          | 1,075          | 960              | 1,030            | 1,033            | 910              | 954              | 959              | 950              | 874              |
| Rockland                     | 3,041            | 3,153          | 3,305          | 3,162            | 3,206            | 2,998            | 2,849            | 2,930            | 3,160            | 2,990            | 2,970            |
| Suffolk                      | 15,969           | 16,486         | 16,437         | 15,483           | 15,603           | 14,656           | 14,974           | 14,621           | 15,233           | 15,055           | 15,583           |
| Westchester                  | 8,739            | 8,740          | 8,885          | 8,683            | 8,822            | 8,577            | 8,647            | 8,409            | 8,672            | 8,426            | 8,429            |
| <b>NEW YORK SUBURBS</b>      | <b>52,678</b>    | <b>53,417</b>  | <b>53,800</b>  | <b>51,716</b>    | <b>52,120</b>    | <b>50,245</b>    | <b>50,323</b>    | <b>49,924</b>    | <b>51,745</b>    | <b>50,112</b>    | <b>51,296</b>    |
| <b>DOWNSTATE NY</b>          | <b>136,180</b>   | <b>135,964</b> | <b>135,033</b> | <b>133,150</b>   | <b>129,860</b>   | <b>128,401</b>   | <b>130,722</b>   | <b>130,757</b>   | <b>135,017</b>   | <b>129,278</b>   | <b>126,824</b>   |
| <b>NEW YORK STATE</b>        | <b>193,391</b>   | <b>192,587</b> | <b>191,360</b> | <b>189,201</b>   | <b>185,670</b>   | <b>182,526</b>   | <b>181,766</b>   | <b>182,768</b>   | <b>188,770</b>   | <b>178,772</b>   | <b>179,132</b>   |
| <b>Downstate % of NYS</b>    | <b>70.4</b>      | <b>70.6</b>    | <b>70.6</b>    | <b>70.4</b>      | <b>69.9</b>      | <b>70.3</b>      | <b>71.9</b>      | <b>71.5</b>      | <b>71.5</b>      | <b>72.3</b>      | <b>70.8</b>      |
| <b>UNITED STATES</b>         | <b>2,216,000</b> | <b>n/a</b>     | <b>n/a</b>     | <b>2,334,623</b> | <b>2,410,794</b> | <b>2,400,000</b> | <b>2,029,000</b> | <b>2,054,000</b> | <b>2,070,000</b> | <b>2,003,000</b> | <b>1,929,000</b> |
| <b>Downstate % of Nation</b> | <b>6.1</b>       | <b>n/a</b>     | <b>n/a</b>     | <b>5.7</b>       | <b>5.4</b>       | <b>5.4</b>       | <b>6.4</b>       | <b>6.4</b>       | <b>6.5</b>       | <b>6.5</b>       | <b>6.6</b>       |

Source: New York State Dept. of Motor Vehicles  
 Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

TABLE 5  
**MOTOR VEHICLE CRASHES  
 RESULTING IN PROPERTY DAMAGE**

|                           | 1992          | 1993          | 1994          | 1995          | 1996          | 1997          | 1998           | 1999           | 2000           | 2001           | 2002          |
|---------------------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|---------------|
| Bronx                     | 2,413         | 2,322         | 2,446         | 2,245         | 2,233         | 2,138         | 2,152          | 5,931          | 6,710          | 5,362          | 2,617         |
| Kings                     | 4,792         | 4,342         | 4,116         | 3,726         | 3,328         | 3,075         | 3,246          | 9,157          | 10,856         | 8,030          | 3,946         |
| New York                  | 3,223         | 3,130         | 3,387         | 3,348         | 3,311         | 2,939         | 2,874          | 8,211          | 9,913          | 7,533          | 3,324         |
| Queens                    | 6,995         | 6,466         | 6,120         | 5,650         | 5,379         | 4,718         | 5,002          | 10,704         | 12,019         | 10,014         | 6,148         |
| Richmond                  | 1,316         | 1,148         | 1,112         | 1,154         | 1,007         | 978           | 1,092          | 1,958          | 2,429          | 2,180          | 1,421         |
| <b>NEW YORK CITY</b>      | <b>18,739</b> | <b>17,408</b> | <b>17,181</b> | <b>16,123</b> | <b>15,258</b> | <b>13,848</b> | <b>14,366</b>  | <b>35,961</b>  | <b>41,927</b>  | <b>33,119</b>  | <b>17,456</b> |
| Dutchess                  | 1,440         | 1,330         | 1,439         | 1,286         | 1,589         | 1,873         | 3,142          | 3,730          | 4,257          | 3,243          | 1,501         |
| Nassau                    | 7,982         | 7,794         | 7,809         | 7,098         | 6,989         | 9,659         | 16,066         | 18,408         | 20,318         | 15,676         | 8,236         |
| Orange                    | 1,527         | 1,532         | 1,810         | 1,594         | 1,692         | 2,165         | 3,471          | 4,650          | 5,912          | 4,623          | 1,996         |
| Putnam                    | 590           | 570           | 653           | 573           | 642           | 727           | 1,014          | 1,172          | 1,680          | 1,384          | 645           |
| Rockland                  | 1,430         | 1,469         | 1,639         | 1,540         | 1,713         | 1,724         | 2,404          | 3,444          | 4,084          | 3,059          | 1,707         |
| Suffolk                   | 6,855         | 6,652         | 6,806         | 5,981         | 5,973         | 8,459         | 14,506         | 16,633         | 19,470         | 15,299         | 7,008         |
| Westchester               | 4,769         | 4,876         | 5,136         | 4,755         | 5,107         | 5,466         | 7,615          | 8,992          | 10,425         | 8,879          | 5,559         |
| <b>NEW YORK SUBURBS</b>   | <b>24,593</b> | <b>24,223</b> | <b>25,292</b> | <b>22,827</b> | <b>23,705</b> | <b>30,073</b> | <b>48,218</b>  | <b>57,029</b>  | <b>66,146</b>  | <b>52,163</b>  | <b>26,652</b> |
| <b>DOWNSTATE NY</b>       | <b>43,332</b> | <b>41,631</b> | <b>42,473</b> | <b>38,950</b> | <b>38,963</b> | <b>43,921</b> | <b>62,584</b>  | <b>92,990</b>  | <b>108,073</b> | <b>85,282</b>  | <b>44,108</b> |
| <b>NEW YORK STATE</b>     | <b>63,555</b> | <b>62,999</b> | <b>66,296</b> | <b>62,378</b> | <b>63,400</b> | <b>79,590</b> | <b>123,485</b> | <b>172,753</b> | <b>202,117</b> | <b>151,776</b> | <b>73,188</b> |
| <b>Downstate % of NYS</b> | <b>68.2</b>   | <b>66.1</b>   | <b>64.1</b>   | <b>62.4</b>   | <b>61.5</b>   | <b>55.2</b>   | <b>50.7</b>    | <b>53.8</b>    | <b>53.5</b>    | <b>56.2</b>    | <b>60.3</b>   |

Source: New York State Dept. of Motor Vehicles  
 Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

Due to changes in data collection and reporting protocols with respect to property damage only (PDO) crashes, data on PDO crashes in the years 1999-2001 are not comparable to prior or subsequent years.

TABLE 6  
**TOTAL FATALITIES AND INJURIES  
IN ALL CRASHES**

|                              | 1998                       | 1999          | 2000          | 2001          | 2002          | 1998                     | 1999             | 2000             | 2001             | 2002             |
|------------------------------|----------------------------|---------------|---------------|---------------|---------------|--------------------------|------------------|------------------|------------------|------------------|
|                              | Total Fatalities (Persons) |               |               |               |               | Total Injuries (Persons) |                  |                  |                  |                  |
| Bronx                        | 50                         | 60            | 52            | 59            | 60            | 16,970                   | 18,469           | 20,536           | 19,093           | 18,769           |
| Kings                        | 119                        | 117           | 111           | 123           | 98            | 42,610                   | 40,123           | 41,386           | 38,981           | 36,611           |
| New York                     | 60                         | 67            | 72            | 62            | 52            | 20,959                   | 20,078           | 19,758           | 19,755           | 19,052           |
| Queens                       | 119                        | 125           | 102           | 107           | 115           | 34,684                   | 36,312           | 35,282           | 35,512           | 35,147           |
| Richmond                     | 26                         | 15            | 25            | 30            | 22            | 6,339                    | 5,126            | 4,933            | 5,654            | 5,636            |
| <b>NEW YORK CITY</b>         | <b>374</b>                 | <b>384</b>    | <b>362</b>    | <b>381</b>    | <b>347</b>    | <b>121,562</b>           | <b>120,108</b>   | <b>121,895</b>   | <b>118,995</b>   | <b>115,215</b>   |
| Dutchess                     | 27                         | 31            | 30            | 42            | 16            | 3,705                    | 4,125            | 3,860            | 3,744            | 3,752            |
| Nassau                       | 103                        | 129           | 98            | 102           | 115           | 24,728                   | 24,115           | 25,136           | 24,076           | 24,728           |
| Orange                       | 36                         | 43            | 36            | 38            | 46            | 5,025                    | 5,067            | 5,318            | 5,063            | 5,538            |
| Putnam                       | 12                         | 16            | 10            | 11            | 12            | 1,384                    | 1,349            | 1,368            | 1,308            | 1,418            |
| Rockland                     | 29                         | 26            | 18            | 21            | 30            | 4,258                    | 4,231            | 4,520            | 4,315            | 4,270            |
| Suffolk                      | 180                        | 170           | 159           | 179           | 163           | 21,948                   | 20,725           | 22,024           | 21,561           | 22,938           |
| Westchester                  | 53                         | 55            | 60            | 57            | 81            | 11,368                   | 11,073           | 11,526           | 11,385           | 11,694           |
| <b>NEW YORK SUBURBS</b>      | <b>440</b>                 | <b>470</b>    | <b>411</b>    | <b>450</b>    | <b>463</b>    | <b>72,416</b>            | <b>70,685</b>    | <b>73,752</b>    | <b>71,452</b>    | <b>74,338</b>    |
| <b>DOWNSTATE NY</b>          | <b>814</b>                 | <b>854</b>    | <b>773</b>    | <b>831</b>    | <b>810</b>    | <b>193,978</b>           | <b>190,793</b>   | <b>195,647</b>   | <b>190,447</b>   | <b>189,553</b>   |
| <b>NEW YORK STATE</b>        | <b>1,505</b>               | <b>1,585</b>  | <b>1,444</b>  | <b>1,554</b>  | <b>1,509</b>  | <b>267,101</b>           | <b>264,277</b>   | <b>270,299</b>   | <b>259,143</b>   | <b>262,884</b>   |
| <b>Downstate % of NYS</b>    | <b>54.1</b>                | <b>53.9</b>   | <b>53.5</b>   | <b>53.5</b>   | <b>53.7</b>   | <b>72.6</b>              | <b>72.2</b>      | <b>72.4</b>      | <b>73.5</b>      | <b>72.1</b>      |
| <b>UNITED STATES</b>         | <b>41,471</b>              | <b>41,611</b> | <b>41,821</b> | <b>42,116</b> | <b>42,815</b> | <b>3,192,000</b>         | <b>3,236,000</b> | <b>3,189,000</b> | <b>3,033,000</b> | <b>2,926,000</b> |
| <b>Downstate % of Nation</b> | <b>2.0</b>                 | <b>2.1</b>    | <b>1.8</b>    | <b>2.0</b>    | <b>1.9</b>    | <b>6.1</b>               | <b>5.9</b>       | <b>6.1</b>       | <b>6.3</b>       | <b>6.5</b>       |

Source: New York State Dept. of Motor Vehicles; Statistical Abstract of the United States  
Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

TABLE 6A  
FATALITIES BY CATEGORY  
2001-2002

|                                                                       | 2001        |             |             |             | 2002        |             |             |             |
|-----------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                                                                       | Drivers     | Passengers  | Pedestrians | Bicyclists  | Drivers     | Passengers  | Pedestrians | Bicyclists  |
| Bronx                                                                 | 22          | 6           | 29          | 2           | 24          | 11          | 23          | 2           |
| Kings                                                                 | 32          | 24          | 59          | 8           | 28          | 12          | 47          | 11          |
| New York                                                              | 13          | 6           | 39          | 4           | 9           | 3           | 36          | 4           |
| Queens                                                                | 41          | 20          | 45          | 0           | 48          | 24          | 41          | 1           |
| Richmond                                                              | 11          | 4           | 14          | 1           | 10          | 3           | 9           | 0           |
| <b>NEW YORK CITY</b>                                                  | <b>119</b>  | <b>60</b>   | <b>186</b>  | <b>15</b>   | <b>119</b>  | <b>53</b>   | <b>156</b>  | <b>18</b>   |
| Dutchess                                                              | 26          | 13          | 2           | 1           | 9           | 6           | 1           | 0           |
| Nassau                                                                | 45          | 20          | 34          | 3           | 52          | 22          | 38          | 3           |
| Orange                                                                | 26          | 7           | 3           | 2           | 26          | 9           | 9           | 2           |
| Putnam                                                                | 6           | 2           | 2           | 0           | 9           | 2           | 1           | 0           |
| Rockland                                                              | 12          | 6           | 3           | 0           | 15          | 9           | 6           | 0           |
| Suffolk                                                               | 108         | 33          | 30          | 8           | 92          | 44          | 23          | 4           |
| Westchester                                                           | 31          | 17          | 9           | 0           | 49          | 18          | 14          | 0           |
| <b>NEW YORK SUBURBS</b>                                               | <b>254</b>  | <b>98</b>   | <b>83</b>   | <b>14</b>   | <b>252</b>  | <b>110</b>  | <b>92</b>   | <b>9</b>    |
| <b>DOWNSTATE NY</b>                                                   | <b>373</b>  | <b>158</b>  | <b>269</b>  | <b>29</b>   | <b>371</b>  | <b>163</b>  | <b>248</b>  | <b>27</b>   |
| <b>NEW YORK STATE</b>                                                 | <b>819</b>  | <b>332</b>  | <b>358</b>  | <b>42</b>   | <b>809</b>  | <b>337</b>  | <b>326</b>  | <b>34</b>   |
| <b>Downstate % of NYS</b>                                             | <b>45.5</b> | <b>47.6</b> | <b>75.1</b> | <b>69.0</b> | <b>45.9</b> | <b>48.4</b> | <b>76.1</b> | <b>79.4</b> |
| Excludes Other                                                        |             |             |             |             |             |             |             |             |
| Source: NYS Department of Motor Vehicles.                             |             |             |             |             |             |             |             |             |
| Data compiled by Institute for Traffic Safety Management and Research |             |             |             |             |             |             |             |             |

TABLE 6B  
**INJURIES BY CATEGORY**  
**2001-2002**

|                                                                       | 2001           |               |               |              | 2002           |               |               |              |
|-----------------------------------------------------------------------|----------------|---------------|---------------|--------------|----------------|---------------|---------------|--------------|
|                                                                       | Drivers        | Passengers    | Pedestrians   | Bicyclists   | Drivers        | Passengers    | Pedestrians   | Bicyclists   |
| Bronx                                                                 | 8,792          | 7,863         | 1,951         | 429          | 9,074          | 7,256         | 1,933         | 371          |
| Kings                                                                 | 17,759         | 15,649        | 4,137         | 1,320        | 18,011         | 13,072        | 4,065         | 1,204        |
| New York                                                              | 7,458          | 7,743         | 3,363         | 1,128        | 7,774          | 6,780         | 3,338         | 1,015        |
| Queens                                                                | 18,532         | 13,583        | 2,610         | 700          | 19,204         | 12,771        | 2,369         | 585          |
| Richmond                                                              | 3,408          | 1,797         | 358           | 80           | 3,487          | 1,698         | 349           | 66           |
| <b>NEW YORK CITY</b>                                                  | <b>55,949</b>  | <b>46,635</b> | <b>12,419</b> | <b>3,657</b> | <b>57,550</b>  | <b>41,577</b> | <b>12,054</b> | <b>3,241</b> |
| Dutchess                                                              | 2,542          | 1,081         | 69            | 50           | 2,644          | 972           | 84            | 41           |
| Nassau                                                                | 15,705         | 6,815         | 952           | 571          | 16,484         | 6,673         | 960           | 518          |
| Orange                                                                | 3,361          | 1,502         | 117           | 76           | 3,778          | 1,532         | 149           | 62           |
| Putnam                                                                | 939            | 326           | 28            | 14           | 888            | 361           | 160           | 5            |
| Rockland                                                              | 2,889          | 1,217         | 153           | 51           | 2,942          | 1,154         | 124           | 40           |
| Suffolk                                                               | 14,680         | 5,781         | 562           | 507          | 15,682         | 6,149         | 597           | 444          |
| Westchester                                                           | 7,215          | 3,350         | 626           | 176          | 7,515          | 3,234         | 708           | 163          |
| <b>NEW YORK SUBURBS</b>                                               | <b>47,331</b>  | <b>20,072</b> | <b>2,507</b>  | <b>1,445</b> | <b>49,933</b>  | <b>20,075</b> | <b>2,782</b>  | <b>1,273</b> |
| <b>DOWNSTATE NY</b>                                                   | <b>103,280</b> | <b>66,707</b> | <b>14,926</b> | <b>5,102</b> | <b>107,483</b> | <b>61,652</b> | <b>14,836</b> | <b>4,514</b> |
| <b>NEW YORK STATE</b>                                                 | <b>147,608</b> | <b>86,911</b> | <b>17,432</b> | <b>6,699</b> | <b>155,805</b> | <b>82,626</b> | <b>17,214</b> | <b>5,992</b> |
| <b>Downstate % of NYS</b>                                             | <b>70.0</b>    | <b>76.8</b>   | <b>85.6</b>   | <b>76.2</b>  | <b>69.0</b>    | <b>74.6</b>   | <b>86.2</b>   | <b>75.3</b>  |
| Excludes Other                                                        |                |               |               |              |                |               |               |              |
| Source: NYS Department of Motor Vehicles.                             |                |               |               |              |                |               |               |              |
| Data compiled by Institute for Traffic Safety Management and Research |                |               |               |              |                |               |               |              |

TABLE 7  
**MOTOR VEHICLE CRASHES  
WITH CONTRIBUTING HUMAN FACTORS**

|                                                                                                                                           | 1992           | 1993           | 1994           | 1995           | 1996           | 1997           | 1998           | 1999           | 2000           | 2001           | 2002           |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Bronx                                                                                                                                     | 12,043         | 10,856         | 9,830          | 10,293         | 10,035         | 9,936          | 10,089         | 16,252         | 18,748         | 10,286         | 6,175          |
| Kings                                                                                                                                     | 27,358         | 27,928         | 27,448         | 28,859         | 26,817         | 25,843         | 27,468         | 36,636         | 39,450         | 22,701         | 13,640         |
| New York                                                                                                                                  | 19,083         | 18,987         | 18,706         | 18,276         | 18,380         | 17,645         | 16,875         | 22,259         | 24,709         | 13,957         | 7,743          |
| Queens                                                                                                                                    | 24,555         | 23,503         | 22,503         | 23,119         | 21,562         | 20,706         | 22,415         | 29,162         | 30,717         | 18,926         | 10,631         |
| Richmond                                                                                                                                  | 5,277          | 4,730          | 4,296          | 4,535          | 4,323          | 4,180          | 4,295          | 5,041          | 5,106          | 3,688          | 2,396          |
| <b>NEW YORK CITY</b>                                                                                                                      | <b>88,316</b>  | <b>86,004</b>  | <b>82,783</b>  | <b>85,082</b>  | <b>81,117</b>  | <b>78,310</b>  | <b>81,142</b>  | <b>109,350</b> | <b>118,730</b> | <b>69,558</b>  | <b>40,585</b>  |
| Dutchess                                                                                                                                  | 3,125          | 3,109          | 3,165          | 3,208          | 3,452          | 3,769          | 4,532          | 5,111          | 5,495          | 3,779          | 2,250          |
| Nassau                                                                                                                                    | 19,591         | 19,703         | 19,240         | 19,579         | 19,287         | 23,200         | 29,918         | 31,896         | 34,301         | 24,063         | 14,631         |
| Orange                                                                                                                                    | 4,502          | 4,595          | 4,546          | 4,505          | 4,508          | 4,468          | 6,008          | 6,781          | 7,993          | 5,351          | 3,377          |
| Putnam                                                                                                                                    | 1,198          | 1,196          | 1,252          | 1,195          | 1,243          | 1,375          | 1,605          | 1,735          | 2,199          | 1,568          | 804            |
| Rockland                                                                                                                                  | 3,735          | 3,696          | 3,843          | 4,041          | 3,989          | 4,108          | 4,793          | 5,710          | 6,520          | 4,381          | 2,682          |
| Suffolk                                                                                                                                   | 14,536         | 19,605         | 19,039         | 19,142         | 18,565         | 21,393         | 28,103         | 29,312         | 32,640         | 22,058         | 13,185         |
| Westchester                                                                                                                               | 7,566          | 7,475          | 7,614          | 7,696          | 8,081          | 9,045          | 10,982         | 11,855         | 13,524         | 9,187          | 5,813          |
| <b>NEW YORK SUBURBS</b>                                                                                                                   | <b>54,253</b>  | <b>59,379</b>  | <b>58,699</b>  | <b>59,366</b>  | <b>59,125</b>  | <b>67,358</b>  | <b>85,941</b>  | <b>92,400</b>  | <b>102,672</b> | <b>70,387</b>  | <b>42,742</b>  |
| <b>DOWNSTATE NY</b>                                                                                                                       | <b>142,569</b> | <b>145,383</b> | <b>141,482</b> | <b>144,448</b> | <b>140,242</b> | <b>145,668</b> | <b>167,083</b> | <b>201,750</b> | <b>221,402</b> | <b>139,945</b> | <b>83,327</b>  |
| <b>NEW YORK STATE</b>                                                                                                                     | <b>209,304</b> | <b>213,273</b> | <b>210,333</b> | <b>213,552</b> | <b>209,673</b> | <b>222,969</b> | <b>265,169</b> | <b>312,481</b> | <b>344,232</b> | <b>215,599</b> | <b>128,565</b> |
| <b>Downstate % of NYS</b>                                                                                                                 | <b>68.1</b>    | <b>68.2</b>    | <b>67.3</b>    | <b>67.6</b>    | <b>66.9</b>    | <b>65.3</b>    | <b>63.0</b>    | <b>64.6</b>    | <b>64.3</b>    | <b>64.9</b>    | <b>64.8</b>    |
| Source: New York State Dept. of Motor Vehicles<br>Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research |                |                |                |                |                |                |                |                |                |                |                |

Due to changes in data collection and reporting protocols with respect to property damage only crashes, data on contributing factors in crashes in the years 1999-2001 are not comparable to prior or subsequent years.

TABLE 8  
**MOTOR VEHICLE CRASHES  
 WITH CONTRIBUTING HUMAN FACTORS  
 OF ALCOHOL INVOLVEMENT**

|                           | 1999         | 2000          | 2001         | 2002         | 2002 a     | 2002 b     |
|---------------------------|--------------|---------------|--------------|--------------|------------|------------|
| <b>Bronx</b>              | 220          | 215           | 189          | 163          | 2.6        | 1.5        |
| <b>Kings</b>              | 322          | 443           | 344          | 316          | 2.3        | 1.5        |
| <b>New York</b>           | 250          | 236           | 225          | 172          | 2.2        | 1.4        |
| <b>Queens</b>             | 344          | 373           | 316          | 259          | 2.4        | 1.3        |
| <b>Richmond</b>           | 59           | 74            | 74           | 70           | 2.9        | 1.9        |
| <b>NEW YORK CITY</b>      | <b>1,195</b> | <b>1,341</b>  | <b>1,148</b> | <b>980</b>   | <b>2.4</b> | <b>1.4</b> |
| <b>Dutchess</b>           | 230          | 256           | 218          | 145          | 6.4        | 5.4        |
| <b>Nassau</b>             | 584          | 665           | 590          | 440          | 3.0        | 2.6        |
| <b>Orange</b>             | 269          | 291           | 279          | 181          | 5.4        | 4.5        |
| <b>Putnam</b>             | 87           | 98            | 73           | 48           | 6.0        | 5.1        |
| <b>Rockland</b>           | 158          | 173           | 175          | 102          | 3.8        | 3.1        |
| <b>Suffolk</b>            | 816          | 924           | 766          | 575          | 4.4        | 3.7        |
| <b>Westchester</b>        | 372          | 493           | 432          | 310          | 5.3        | 3.7        |
| <b>NEW YORK SUBURBS</b>   | <b>2,516</b> | <b>2,900</b>  | <b>2,533</b> | <b>1,801</b> | <b>4.2</b> | <b>3.5</b> |
| <b>DOWNSTATE NY</b>       | <b>3,711</b> | <b>4,241</b>  | <b>3,681</b> | <b>2,781</b> | <b>3.3</b> | <b>2.3</b> |
| <b>NEW YORK STATE</b>     | <b>9,114</b> | <b>10,090</b> | <b>8,430</b> | <b>6,072</b> | <b>4.7</b> | <b>3.5</b> |
| <b>Downstate % of NYS</b> | <b>40.72</b> | <b>42.03</b>  | <b>43.67</b> | <b>45.80</b> |            |            |

a = % of human factor crashes b = % of all crashes  
 Source: New York State Dept. of Motor Vehicles  
 Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

Due to changes in data collection and reporting protocols with respect to property damage only crashes, data on contributing factors in crashes in the years 1999-2001 are not comparable to prior or subsequent years.

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

|                           | 1992          | 1993          | 1994          | 1995          | 1996          | 1997          | 1998          | 1999          | 2000          | 2001          | 2002         |
|---------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| Bronx                     | 1,516         | 1,248         | 963           | 1,021         | 836           | 777           | 804           | 1,095         | 1,031         | 660           | 713          |
| Kings                     | 3,015         | 3,005         | 2,931         | 2,680         | 2,504         | 2,321         | 2,185         | 2,738         | 2,637         | 1,660         | 1,613        |
| New York                  | 2,053         | 1,983         | 1,699         | 1,422         | 1,346         | 1,189         | 1,084         | 1,139         | 1,169         | 786           | 795          |
| Queens                    | 2,526         | 2,487         | 2,235         | 1,968         | 1,795         | 1,753         | 1,610         | 2,013         | 1,902         | 1,385         | 1,336        |
| Richmond                  | 552           | 508           | 462           | 402           | 393           | 274           | 231           | 228           | 254           | 232           | 204          |
| <b>NEW YORK CITY</b>      | <b>9,662</b>  | <b>9,231</b>  | <b>8,290</b>  | <b>7,493</b>  | <b>6,874</b>  | <b>6,314</b>  | <b>5,914</b>  | <b>7,213</b>  | <b>6,993</b>  | <b>4,723</b>  | <b>4,661</b> |
| Dutchess                  | 150           | 153           | 143           | 123           | 106           | 160           | 190           | 182           | 225           | 163           | 101          |
| Nassau                    | 598           | 628           | 550           | 476           | 525           | 499           | 738           | 737           | 773           | 649           | 384          |
| Orange                    | 228           | 216           | 208           | 219           | 232           | 209           | 278           | 291           | 362           | 259           | 149          |
| Putnam                    | 48            | 56            | 68            | 58            | 57            | 59            | 76            | 91            | 86            | 63            | 30           |
| Rockland                  | 173           | 161           | 171           | 160           | 177           | 156           | 194           | 232           | 277           | 193           | 113          |
| Suffolk                   | 488           | 643           | 608           | 632           | 553           | 679           | 815           | 883           | 884           | 760           | 471          |
| Westchester               | 487           | 509           | 434           | 457           | 384           | 441           | 553           | 555           | 645           | 519           | 303          |
| <b>NEW YORK SUBURBS</b>   | <b>2,172</b>  | <b>2,366</b>  | <b>2,182</b>  | <b>2,125</b>  | <b>2,034</b>  | <b>2,203</b>  | <b>2,844</b>  | <b>2,971</b>  | <b>3,252</b>  | <b>2,606</b>  | <b>1,551</b> |
| <b>DOWNSTATE NY</b>       | <b>11,834</b> | <b>11,597</b> | <b>10,472</b> | <b>9,618</b>  | <b>8,908</b>  | <b>8,517</b>  | <b>8,758</b>  | <b>10,184</b> | <b>10,245</b> | <b>7,329</b>  | <b>6,212</b> |
| <b>NEW YORK STATE</b>     | <b>14,809</b> | <b>14,588</b> | <b>13,446</b> | <b>12,423</b> | <b>11,712</b> | <b>11,490</b> | <b>12,805</b> | <b>14,826</b> | <b>15,328</b> | <b>11,030</b> | <b>8,314</b> |
| <b>Downstate % of NYS</b> | <b>79.9</b>   | <b>79.5</b>   | <b>77.9</b>   | <b>77.4</b>   | <b>76.1</b>   | <b>74.1</b>   | <b>68.4</b>   | <b>68.7</b>   | <b>66.8</b>   | <b>66.4</b>   | <b>74.7</b>  |

Source: New York State Dept. of Motor Vehicles  
 Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

Due to changes in data collection and reporting protocols with respect to property damage only crashes, data on contributing factors in crashes in the years 1999-2001 are not comparable to prior or subsequent years.

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

|                           | 1992          | 1993          | 1994          | 1995          | 1996          | 1997          | 1998          | 1999          | 2000          | 2001          | 2002          |
|---------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Bronx                     | 2,082         | 1,930         | 1,938         | 1,830         | 1,779         | 1,445         | 1,484         | 1,907         | 2,028         | 1,294         | 797           |
| Kings                     | 3,541         | 3,590         | 3,763         | 3,699         | 3,667         | 2,852         | 3,045         | 3,491         | 3,599         | 2,595         | 1,662         |
| New York                  | 2,121         | 2,190         | 2,201         | 1,850         | 2,038         | 1,600         | 1,410         | 1,823         | 1,954         | 1,263         | 818           |
| Queens                    | 4,402         | 3,964         | 4,100         | 3,762         | 4,096         | 3,125         | 2,955         | 3,811         | 3,827         | 2,438         | 1,831         |
| Richmond                  | 1,370         | 1,064         | 1,076         | 867           | 1,032         | 767           | 788           | 796           | 816           | 641           | 440           |
| <b>NEW YORK CITY</b>      | <b>13,516</b> | <b>12,738</b> | <b>13,078</b> | <b>12,008</b> | <b>12,612</b> | <b>9,789</b>  | <b>9,682</b>  | <b>11,828</b> | <b>12,224</b> | <b>8,231</b>  | <b>5,548</b>  |
| Dutchess                  | 1,246         | 1,163         | 1,375         | 1,126         | 1,399         | 1,338         | 1,784         | 2,160         | 2,301         | 1,462         | 629           |
| Nassau                    | 5,584         | 5,310         | 5,762         | 4,423         | 5,072         | 4,393         | 5,127         | 4,545         | 5,315         | 3,723         | 2,344         |
| Orange                    | 1,627         | 1,566         | 1,952         | 1,497         | 1,668         | 1,736         | 2,102         | 2,752         | 3,085         | 2,095         | 903           |
| Putnam                    | 598           | 648           | 715           | 513           | 695           | 587           | 615           | 684           | 944           | 683           | 239           |
| Rockland                  | 1,076         | 1,142         | 1,449         | 1,068         | 1,315         | 1,034         | 1,014         | 1,358         | 1,558         | 1,109         | 615           |
| Suffolk                   | 3,735         | 4,670         | 5,758         | 4,127         | 5,185         | 4,215         | 5,235         | 5,267         | 6,659         | 4,392         | 2,367         |
| Westchester               | 2,650         | 2,766         | 3,268         | 2,404         | 2,658         | 2,286         | 2,741         | 2,939         | 3,378         | 2,400         | 1,343         |
| <b>NEW YORK SUBURBS</b>   | <b>16,516</b> | <b>17,265</b> | <b>20,279</b> | <b>15,158</b> | <b>17,992</b> | <b>15,589</b> | <b>18,618</b> | <b>19,705</b> | <b>23,240</b> | <b>15,864</b> | <b>8,440</b>  |
| <b>DOWNSTATE NY</b>       | <b>30,032</b> | <b>30,003</b> | <b>33,357</b> | <b>27,166</b> | <b>30,604</b> | <b>25,378</b> | <b>28,300</b> | <b>31,533</b> | <b>35,464</b> | <b>24,095</b> | <b>13,988</b> |
| <b>NEW YORK STATE</b>     | <b>50,171</b> | <b>49,748</b> | <b>55,967</b> | <b>47,252</b> | <b>51,706</b> | <b>51,230</b> | <b>58,806</b> | <b>74,181</b> | <b>85,281</b> | <b>53,727</b> | <b>26,419</b> |
| <b>Downstate % of NYS</b> | <b>59.9</b>   | <b>60.3</b>   | <b>59.6</b>   | <b>57.5</b>   | <b>59.2</b>   | <b>49.5</b>   | <b>48.1</b>   | <b>42.5</b>   | <b>41.6</b>   | <b>44.8</b>   | <b>52.9</b>   |

Source: New York State Dept. of Motor Vehicles  
Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

Due to changes in data collection and reporting protocols with respect to property damage only crashes, data on contributing factors in crashes in the years 1999-2001 are not comparable to prior or subsequent years.

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

|                                                                                                                                           | 1992           | 1993           | 1994           | 1995           | 1996           | 1997           | 1998           | 1999           | 2000           | 2001           | 2002           |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Bronx                                                                                                                                     | 27,205         | 25,550         | 25,074         | 25,071         | 23,936         | 24,363         | 25,044         | 34,843         | 38,989         | 34,756         | 28,133         |
| Kings                                                                                                                                     | 60,250         | 58,987         | 58,196         | 57,218         | 53,868         | 54,609         | 57,498         | 69,915         | 75,273         | 64,904         | 53,510         |
| New York                                                                                                                                  | 36,015         | 36,255         | 36,528         | 35,107         | 34,085         | 33,305         | 32,442         | 42,644         | 46,220         | 40,088         | 30,437         |
| Queens                                                                                                                                    | 60,801         | 58,657         | 57,498         | 57,136         | 53,954         | 52,143         | 55,673         | 69,076         | 73,185         | 67,014         | 57,703         |
| Richmond                                                                                                                                  | 11,361         | 10,639         | 10,107         | 10,438         | 10,212         | 10,028         | 10,416         | 11,394         | 12,420         | 12,219         | 10,537         |
| <b>NEW YORK CITY</b>                                                                                                                      | <b>195,632</b> | <b>190,088</b> | <b>187,403</b> | <b>184,970</b> | <b>176,055</b> | <b>174,448</b> | <b>181,073</b> | <b>227,872</b> | <b>246,087</b> | <b>218,981</b> | <b>180,320</b> |
| Dutchess                                                                                                                                  | 7,353          | 7,192          | 7,662          | 7,205          | 7,859          | 7,995          | 9,771          | 10,808         | 11,547         | 9,987          | 7,132          |
| Nassau                                                                                                                                    | 50,402         | 50,549         | 50,497         | 48,241         | 47,849         | 53,356         | 66,224         | 70,634         | 75,342         | 64,479         | 50,755         |
| Orange                                                                                                                                    | 9,330          | 9,269          | 10,126         | 9,100          | 9,312          | 9,259          | 11,696         | 13,608         | 16,044         | 13,765         | 10,283         |
| Putnam                                                                                                                                    | 2,716          | 2,743          | 3,036          | 2,658          | 2,893          | 3,029          | 3,221          | 3,561          | 4,358          | 3,905          | 2,620          |
| Rockland                                                                                                                                  | 8,463          | 8,889          | 9,464          | 8,887          | 9,361          | 8,960          | 10,089         | 12,098         | 13,587         | 11,519         | 8,925          |
| Suffolk                                                                                                                                   | 44,535         | 44,912         | 45,384         | 41,941         | 42,116         | 45,322         | 57,818         | 60,944         | 67,185         | 59,139         | 44,158         |
| Westchester                                                                                                                               | 25,262         | 25,609         | 26,507         | 25,219         | 26,298         | 26,381         | 30,266         | 32,309         | 35,347         | 32,351         | 26,297         |
| <b>NEW YORK SUBURBS</b>                                                                                                                   | <b>148,061</b> | <b>149,163</b> | <b>152,676</b> | <b>143,251</b> | <b>145,688</b> | <b>154,302</b> | <b>189,085</b> | <b>203,962</b> | <b>223,410</b> | <b>195,145</b> | <b>150,170</b> |
| <b>DOWNSTATE NY</b>                                                                                                                       | <b>343,693</b> | <b>339,251</b> | <b>340,079</b> | <b>328,221</b> | <b>321,743</b> | <b>328,750</b> | <b>370,158</b> | <b>431,834</b> | <b>469,497</b> | <b>414,126</b> | <b>330,490</b> |
| <b>NEW YORK STATE</b>                                                                                                                     | <b>478,966</b> | <b>477,335</b> | <b>483,580</b> | <b>466,820</b> | <b>461,589</b> | <b>482,607</b> | <b>560,734</b> | <b>653,141</b> | <b>714,839</b> | <b>609,334</b> | <b>470,685</b> |
| <b>Downstate % of NYS</b>                                                                                                                 | <b>71.8</b>    | <b>71.1</b>    | <b>70.3</b>    | <b>70.3</b>    | <b>69.7</b>    | <b>68.1</b>    | <b>66.0</b>    | <b>66.1</b>    | <b>65.7</b>    | <b>68.0</b>    | <b>70.2</b>    |
| Source: New York State Dept. of Motor Vehicles<br>Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research |                |                |                |                |                |                |                |                |                |                |                |

Due to changes in data collection and reporting protocols with respect to property damage only crashes, data on the total number of crashes and hence the total number of vehicles involved in the years 1999-2001 are not comparable to prior or subsequent years.

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

|                           | 1992         | 1993         | 1994         | 1995         | 1996         | 1997         | 1998         | 1999         | 2000         | 2001         | 2002         |
|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Bronx                     | 132          | 109          | 98           | 111          | 76           | 98           | 81           | 96           | 73           | 89           | 85           |
| Kings                     | 221          | 211          | 174          | 179          | 163          | 195          | 165          | 169          | 166          | 165          | 137          |
| New York                  | 115          | 134          | 108          | 141          | 107          | 108          | 74           | 100          | 97           | 74           | 65           |
| Queens                    | 268          | 207          | 217          | 195          | 191          | 185          | 177          | 182          | 146          | 158          | 186          |
| Richmond                  | 26           | 28           | 38           | 37           | 23           | 18           | 32           | 24           | 39           | 45           | 31           |
| <b>NEW YORK CITY</b>      | <b>762</b>   | <b>689</b>   | <b>635</b>   | <b>663</b>   | <b>560</b>   | <b>604</b>   | <b>529</b>   | <b>571</b>   | <b>521</b>   | <b>531</b>   | <b>504</b>   |
| Dutchess                  | 36           | 58           | 46           | 53           | 37           | 50           | 38           | 46           | 48           | 64           | 21           |
| Nassau                    | 185          | 172          | 158          | 159          | 121          | 177          | 156          | 174          | 160          | 160          | 167          |
| Orange                    | 73           | 63           | 77           | 52           | 56           | 63           | 50           | 62           | 43           | 55           | 65           |
| Putnam                    | 18           | 20           | 25           | 22           | 27           | 21           | 19           | 26           | 19           | 11           | 14           |
| Rockland                  | 21           | 36           | 39           | 21           | 20           | 42           | 40           | 29           | 24           | 30           | 34           |
| Suffolk                   | 291          | 286          | 248          | 252          | 238          | 235          | 263          | 246          | 258          | 262          | 252          |
| Westchester               | 91           | 90           | 77           | 97           | 92           | 81           | 67           | 74           | 93           | 81           | 121          |
| <b>NEW YORK SUBURBS</b>   | <b>715</b>   | <b>725</b>   | <b>670</b>   | <b>656</b>   | <b>591</b>   | <b>669</b>   | <b>633</b>   | <b>657</b>   | <b>645</b>   | <b>663</b>   | <b>674</b>   |
| <b>DOWNSTATE NY</b>       | <b>1,477</b> | <b>1,414</b> | <b>1,305</b> | <b>1,319</b> | <b>1,151</b> | <b>1,273</b> | <b>1,162</b> | <b>1,228</b> | <b>1,166</b> | <b>1,194</b> | <b>1,178</b> |
| <b>NEW YORK STATE</b>     | <b>2,544</b> | <b>2,473</b> | <b>2,390</b> | <b>2,377</b> | <b>2,227</b> | <b>2,305</b> | <b>2,141</b> | <b>2,233</b> | <b>2,118</b> | <b>2,214</b> | <b>2,135</b> |
| <b>Downstate % of NYS</b> | <b>58.1</b>  | <b>57.2</b>  | <b>54.6</b>  | <b>55.5</b>  | <b>51.7</b>  | <b>55.2</b>  | <b>54.3</b>  | <b>55.0</b>  | <b>55.1</b>  | <b>53.9</b>  | <b>55.2</b>  |

Source: New York State Dept. of Motor Vehicles  
Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

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

|                           | 1992           | 1993           | 1994           | 1995           | 1996           | 1997           | 1998           | 1999           | 2000           | 2001           | 2002           |
|---------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Bronx                     | 22,094         | 20,727         | 20,020         | 20,375         | 19,303         | 19,908         | 20,535         | 22,693         | 25,277         | 23,766         | 22,745         |
| Kings                     | 49,956         | 49,646         | 49,523         | 49,321         | 46,874         | 48,066         | 50,557         | 50,855         | 52,592         | 48,208         | 45,260         |
| New York                  | 29,268         | 29,688         | 29,455         | 28,144         | 27,276         | 27,168         | 26,468         | 25,799         | 26,036         | 24,797         | 23,640         |
| Queens                    | 46,058         | 45,172         | 44,780         | 45,276         | 42,741         | 42,247         | 45,178         | 47,019         | 48,429         | 46,275         | 44,992         |
| Richmond                  | 8,591          | 8,254          | 7,801          | 8,063          | 8,161          | 8,017          | 8,162          | 7,397          | 7,466          | 7,778          | 7,667          |
| <b>NEW YORK CITY</b>      | <b>155,967</b> | <b>153,487</b> | <b>151,579</b> | <b>151,179</b> | <b>144,355</b> | <b>145,406</b> | <b>150,900</b> | <b>153,763</b> | <b>159,800</b> | <b>150,824</b> | <b>144,304</b> |
| Dutchess                  | 4,888          | 4,907          | 5,145          | 4,998          | 5,191          | 5,005          | 4,785          | 5,046          | 4,854          | 4,803          | 4,706          |
| Nassau                    | 34,170         | 34,700         | 34,575         | 33,769         | 33,660         | 33,576         | 33,906         | 33,462         | 34,613         | 33,036         | 34,043         |
| Orange                    | 6,707          | 6,666          | 6,953          | 6,388          | 6,498          | 5,771          | 5,988          | 6,188          | 6,505          | 6,268          | 7,005          |
| Putnam                    | 1,710          | 1,766          | 1,903          | 1,664          | 1,815          | 1,817          | 1,578          | 1,665          | 1,671          | 1,654          | 1,546          |
| Rockland                  | 5,767          | 6,086          | 6,357          | 6,013          | 6,160          | 5,727          | 5,525          | 5,662          | 6,103          | 5,814          | 5,691          |
| Suffolk                   | 30,756         | 31,707         | 31,792         | 29,941         | 30,200         | 28,481         | 29,166         | 28,338         | 29,534         | 29,289         | 30,305         |
| Westchester               | 16,149         | 16,284         | 16,669         | 16,125         | 16,591         | 16,139         | 16,298         | 15,814         | 16,359         | 15,888         | 15,751         |
| <b>NEW YORK SUBURBS</b>   | <b>100,147</b> | <b>102,116</b> | <b>103,394</b> | <b>98,898</b>  | <b>100,115</b> | <b>96,516</b>  | <b>97,246</b>  | <b>96,175</b>  | <b>99,639</b>  | <b>96,752</b>  | <b>99,047</b>  |
| <b>DOWNSTATE NY</b>       | <b>256,114</b> | <b>255,603</b> | <b>254,973</b> | <b>250,077</b> | <b>244,470</b> | <b>241,922</b> | <b>248,146</b> | <b>249,938</b> | <b>259,439</b> | <b>247,576</b> | <b>243,351</b> |
| <b>NEW YORK STATE</b>     | <b>355,078</b> | <b>355,104</b> | <b>355,199</b> | <b>347,789</b> | <b>341,836</b> | <b>336,107</b> | <b>337,891</b> | <b>341,089</b> | <b>353,778</b> | <b>334,141</b> | <b>334,803</b> |
| <b>Downstate % of NYS</b> | <b>72.1</b>    | <b>72.0</b>    | <b>71.8</b>    | <b>71.9</b>    | <b>71.5</b>    | <b>72.0</b>    | <b>73.4</b>    | <b>73.3</b>    | <b>73.3</b>    | <b>74.1</b>    | <b>72.7</b>    |

Source: New York State Dept. of Motor Vehicles  
 Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

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

|                           | 1992           | 1993           | 1994           | 1995           | 1996           | 1997           | 1998           | 1999           | 2000           | 2001           | 2002           |
|---------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Bronx                     | 4,979          | 4,714          | 4,956          | 4,585          | 4,557          | 4,357          | 4,428          | 12,054         | 13,639         | 10,901         | 5,303          |
| Kings                     | 10,073         | 9,130          | 8,499          | 7,718          | 6,831          | 6,348          | 6,776          | 18,891         | 22,515         | 16,531         | 8,113          |
| New York                  | 6,632          | 6,433          | 6,965          | 6,822          | 6,702          | 6,029          | 5,900          | 16,743         | 20,087         | 15,217         | 6,732          |
| Queens                    | 14,475         | 13,278         | 12,501         | 11,665         | 11,022         | 9,711          | 10,318         | 21,875         | 24,610         | 20,581         | 12,525         |
| Richmond                  | 2,744          | 2,357          | 2,268          | 2,338          | 2,028          | 1,993          | 2,222          | 3,973          | 4,915          | 4,396          | 2,839          |
| <b>NEW YORK CITY</b>      | <b>38,903</b>  | <b>35,912</b>  | <b>35,189</b>  | <b>33,128</b>  | <b>31,140</b>  | <b>28,438</b>  | <b>29,644</b>  | <b>73,536</b>  | <b>85,766</b>  | <b>67,626</b>  | <b>35,512</b>  |
| Dutchess                  | 2,429          | 2,227          | 2,471          | 2,154          | 2,631          | 2,940          | 4,948          | 5,716          | 6,645          | 5,120          | 2,405          |
| Nassau                    | 16,047         | 15,677         | 15,764         | 14,313         | 14,068         | 19,603         | 32,162         | 36,998         | 40,569         | 31,283         | 16,545         |
| Orange                    | 2,550          | 2,540          | 3,096          | 2,660          | 2,758          | 3,425          | 5,658          | 7,358          | 9,496          | 7,442          | 3,213          |
| Putnam                    | 988            | 957            | 1,108          | 972            | 1,051          | 1,191          | 1,624          | 1,870          | 2,668          | 2,240          | 1,060          |
| Rockland                  | 2,675          | 2,767          | 3,068          | 2,853          | 3,181          | 3,191          | 4,524          | 6,407          | 7,460          | 5,675          | 3,200          |
| Suffolk                   | 13,488         | 12,919         | 13,344         | 11,748         | 11,678         | 16,606         | 28,389         | 32,360         | 37,393         | 29,588         | 13,601         |
| Westchester               | 9,022          | 9,235          | 9,761          | 8,997          | 9,615          | 10,161         | 13,901         | 16,421         | 18,895         | 16,382         | 10,425         |
| <b>NEW YORK SUBURBS</b>   | <b>47,199</b>  | <b>46,322</b>  | <b>48,612</b>  | <b>43,697</b>  | <b>44,982</b>  | <b>57,117</b>  | <b>91,206</b>  | <b>107,130</b> | <b>123,126</b> | <b>97,730</b>  | <b>50,449</b>  |
| <b>DOWNSTATE NY</b>       | <b>86,102</b>  | <b>82,234</b>  | <b>83,801</b>  | <b>76,825</b>  | <b>76,122</b>  | <b>85,555</b>  | <b>120,850</b> | <b>180,666</b> | <b>208,892</b> | <b>165,356</b> | <b>85,961</b>  |
| <b>NEW YORK STATE</b>     | <b>121,344</b> | <b>119,758</b> | <b>125,991</b> | <b>116,654</b> | <b>117,526</b> | <b>144,195</b> | <b>220,702</b> | <b>309,819</b> | <b>358,943</b> | <b>272,979</b> | <b>133,747</b> |
| <b>Downstate % of NYS</b> | <b>71.0</b>    | <b>68.7</b>    | <b>66.5</b>    | <b>65.9</b>    | <b>64.8</b>    | <b>59.3</b>    | <b>54.8</b>    | <b>58.3</b>    | <b>58.2</b>    | <b>60.6</b>    | <b>64.3</b>    |

Source: New York State Dept. of Motor Vehicles  
Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

Due to changes in data collection and reporting protocols with respect to property damage only crashes (PDO), data on the total number of vehicles involved in crashes in the years 1999-2001 are not comparable to prior or subsequent years.

TABLE 15  
**MALE DRIVERS INVOLVED IN  
 MOTOR VEHICLE CRASHES**

|                                                                                                                                           | 1992           | 1993           | 1994           | 1995           | 1996           | 1997           | 1998           | 1999           | 2000           | 2001           | 2002           |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Bronx                                                                                                                                     | 17,668         | 16,559         | 16,444         | 16,655         | 15,819         | 16,169         | 16,388         | 22,432         | 25,181         | 21,596         | 17,316         |
| Kings                                                                                                                                     | 39,424         | 38,784         | 38,450         | 38,190         | 36,046         | 36,384         | 38,247         | 44,968         | 47,744         | 40,410         | 33,385         |
| New York                                                                                                                                  | 26,262         | 26,452         | 26,703         | 25,786         | 25,006         | 24,535         | 23,601         | 30,435         | 32,646         | 27,497         | 20,603         |
| Queens                                                                                                                                    | 38,596         | 37,277         | 36,797         | 36,781         | 34,713         | 33,041         | 35,380         | 43,016         | 45,475         | 40,618         | 35,205         |
| Richmond                                                                                                                                  | 6,518          | 6,058          | 5,756          | 5,951          | 5,826          | 5,658          | 5,913          | 6,375          | 6,751          | 6,549          | 5,605          |
| <b>NEW YORK CITY</b>                                                                                                                      | <b>128,468</b> | <b>125,130</b> | <b>124,150</b> | <b>123,363</b> | <b>117,410</b> | <b>115,787</b> | <b>119,529</b> | <b>147,226</b> | <b>157,797</b> | <b>136,670</b> | <b>112,114</b> |
| Dutchess                                                                                                                                  | 4,101          | 3,970          | 4,293          | 3,923          | 4,402          | 4,433          | 5,377          | 6,003          | 6,452          | 5,319          | 3,742          |
| Nassau                                                                                                                                    | 27,654         | 28,170         | 27,922         | 26,306         | 25,966         | 28,743         | 35,389         | 37,750         | 40,013         | 33,449         | 26,402         |
| Orange                                                                                                                                    | 5,326          | 5,381          | 5,801          | 5,269          | 5,305          | 5,218          | 6,562          | 7,668          | 8,821          | 7,288          | 5,497          |
| Putnam                                                                                                                                    | 1,554          | 1,594          | 1,827          | 1,519          | 1,679          | 1,746          | 1,875          | 2,093          | 2,577          | 2,239          | 1,490          |
| Rockland                                                                                                                                  | 4,757          | 5,006          | 5,346          | 4,969          | 5,309          | 4,954          | 5,779          | 6,866          | 7,813          | 6,408          | 4,866          |
| Suffolk                                                                                                                                   | 24,596         | 24,993         | 24,989         | 22,688         | 22,893         | 24,442         | 31,093         | 32,628         | 35,750         | 30,841         | 23,379         |
| Westchester                                                                                                                               | 13,791         | 13,976         | 16,618         | 13,757         | 14,384         | 14,334         | 16,323         | 17,508         | 19,181         | 16,692         | 13,605         |
| <b>NEW YORK SUBURBS</b>                                                                                                                   | <b>81,779</b>  | <b>83,090</b>  | <b>86,796</b>  | <b>78,431</b>  | <b>79,938</b>  | <b>83,870</b>  | <b>102,398</b> | <b>110,516</b> | <b>120,607</b> | <b>102,236</b> | <b>78,981</b>  |
| <b>DOWNSTATE NY</b>                                                                                                                       | <b>210,247</b> | <b>208,220</b> | <b>210,946</b> | <b>201,794</b> | <b>197,348</b> | <b>199,657</b> | <b>221,927</b> | <b>257,742</b> | <b>278,404</b> | <b>238,906</b> | <b>191,095</b> |
| <b>NEW YORK STATE</b>                                                                                                                     | <b>285,612</b> | <b>285,176</b> | <b>289,381</b> | <b>278,164</b> | <b>273,882</b> | <b>283,794</b> | <b>326,323</b> | <b>379,303</b> | <b>411,996</b> | <b>341,731</b> | <b>263,754</b> |
| <b>Downstate % of NYS</b>                                                                                                                 | <b>73.6</b>    | <b>73.0</b>    | <b>72.9</b>    | <b>72.5</b>    | <b>72.1</b>    | <b>70.4</b>    | <b>68.0</b>    | <b>68.0</b>    | <b>67.6</b>    | <b>69.9</b>    | <b>72.5</b>    |
| Source: New York State Dept. of Motor Vehicles<br>Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research |                |                |                |                |                |                |                |                |                |                |                |

Due to changes in data collection and reporting protocols with respect to property damage only crashes, data on the total number of crashes and hence the total number of male drivers vehicles involved in the years 1999-2001 are not comparable to prior or subsequent years.

TABLE 16  
**FEMALE DRIVERS INVOLVED IN  
 MOTOR VEHICLE CRASHES**

|                           | 1992           | 1993           | 1994           | 1995           | 1996           | 1997           | 1998           | 1999           | 2000           | 2001           | 2002           |
|---------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Bronx                     | 5,337          | 5,064          | 4,836          | 5,125          | 5,027          | 5,086          | 5,495          | 7,273          | 8,107          | 7,271          | 6,707          |
| Kings                     | 10,773         | 10,624         | 10,481         | 10,922         | 10,434         | 11,080         | 11,691         | 14,054         | 14,965         | 12,966         | 11,917         |
| New York                  | 4,389          | 4,489          | 4,474          | 4,578          | 4,615          | 4,645          | 4,710          | 6,114          | 6,607          | 5,796          | 5,046          |
| Queens                    | 13,572         | 13,335         | 12,784         | 13,444         | 12,733         | 12,954         | 13,658         | 16,934         | 17,606         | 15,923         | 14,878         |
| Richmond                  | 3,637          | 3,466          | 3,280          | 3,565          | 3,442          | 3,469          | 3,585          | 3,757          | 4,109          | 3,926          | 3,657          |
| <b>NEW YORK CITY</b>      | <b>37,708</b>  | <b>36,978</b>  | <b>35,855</b>  | <b>37,634</b>  | <b>36,251</b>  | <b>37,234</b>  | <b>39,139</b>  | <b>48,132</b>  | <b>51,394</b>  | <b>45,882</b>  | <b>42,205</b>  |
| Dutchess                  | 2,970          | 2,942          | 3,060          | 2,984          | 3,139          | 3,225          | 3,888          | 4,262          | 4,482          | 3,783          | 2,965          |
| Nassau                    | 19,105         | 19,019         | 18,801         | 18,597         | 18,630         | 20,801         | 25,329         | 26,487         | 28,094         | 23,399         | 20,087         |
| Orange                    | 3,599          | 3,496          | 3,812          | 3,406          | 3,598          | 3,593          | 4,506          | 5,157          | 6,088          | 5,181          | 4,073          |
| Putnam                    | 1,059          | 1,070          | 1,103          | 1,035          | 1,091          | 1,171          | 1,219          | 1,324          | 1,530          | 1,381          | 977            |
| Rockland                  | 3,296          | 3,485          | 3,599          | 3,459          | 3,575          | 3,478          | 3,716          | 4,457          | 4,883          | 4,131          | 3,429          |
| Suffolk                   | 16,827         | 17,046         | 17,451         | 16,648         | 16,762         | 17,866         | 22,210         | 23,234         | 25,163         | 21,569         | 17,448         |
| Westchester               | 9,523          | 9,459          | 9,573          | 9,319          | 9,717          | 9,948          | 11,409         | 11,986         | 12,798         | 11,404         | 9,906          |
| <b>NEW YORK SUBURBS</b>   | <b>56,379</b>  | <b>56,517</b>  | <b>57,399</b>  | <b>55,448</b>  | <b>56,512</b>  | <b>60,082</b>  | <b>72,277</b>  | <b>76,907</b>  | <b>83,038</b>  | <b>70,848</b>  | <b>58,885</b>  |
| <b>DOWNSTATE NY</b>       | <b>94,087</b>  | <b>93,495</b>  | <b>93,254</b>  | <b>93,082</b>  | <b>92,763</b>  | <b>97,316</b>  | <b>111,416</b> | <b>125,039</b> | <b>134,432</b> | <b>116,730</b> | <b>101,090</b> |
| <b>NEW YORK STATE</b>     | <b>146,794</b> | <b>146,955</b> | <b>148,439</b> | <b>147,956</b> | <b>148,723</b> | <b>158,181</b> | <b>184,806</b> | <b>208,410</b> | <b>227,235</b> | <b>189,444</b> | <b>157,835</b> |
| <b>Downstate % of NYS</b> | <b>64.1</b>    | <b>63.6</b>    | <b>62.8</b>    | <b>62.9</b>    | <b>62.4</b>    | <b>61.5</b>    | <b>60.3</b>    | <b>60.0</b>    | <b>59.2</b>    | <b>61.6</b>    | <b>64.0</b>    |

Source: New York State Dept. of Motor Vehicles

Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

Due to changes in data collection and reporting protocols with respect to property damage only crashes, data on the total number of crashes and hence the total number of female drivers vehicles involved in the years 1999-2001 are not comparable to prior or subsequent years.

TABLE 17  
**AGE AND GENDER OF DRIVERS INVOLVED  
IN MOTOR VEHICLE CRASHES - 1990**

| BY AGE OF FEMALE DRIVER                        |                |                |                 |                |
|------------------------------------------------|----------------|----------------|-----------------|----------------|
| AGE                                            | NY CITY        | NY SUBURBS     | NY METR. REGION | NY STATE       |
| UNDER 18                                       | 612            | 2,571          | 3,183           | 6,063          |
| 18-20                                          | 2,765          | 6,874          | 9,639           | 16,500         |
| 21-24                                          | 4,686          | 8,230          | 12,916          | 20,809         |
| 25-29                                          | 6,498          | 9,175          | 15,673          | 24,543         |
| 30-39                                          | 11,088         | 14,825         | 25,913          | 40,017         |
| 40-49                                          | 7,799          | 11,680         | 19,479          | 28,870         |
| 50-59                                          | 4,128          | 6,677          | 10,805          | 15,957         |
| 60-64                                          | 1,423          | 2,739          | 4,162           | 6,327          |
| 65-69                                          | 1,042          | 2,050          | 3,092           | 5,016          |
| 70-74                                          | 636            | 1,389          | 2,025           | 3,584          |
| 75-79                                          | 361            | 944            | 1,305           | 2,411          |
| 80 AND OVER                                    | 156            | 540            | 696             | 1,493          |
| UNSPECIFIED AGE                                | 611            | 329            | 940             | 1,205          |
| <b>TOTAL</b>                                   | <b>41,805</b>  | <b>68,023</b>  | <b>109,828</b>  | <b>172,795</b> |
| 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          |
| <b>TOTAL</b>                                   | <b>143,848</b> | <b>102,562</b> | <b>246,410</b>  | <b>341,620</b> |
| Source: New York State Dept. of Motor Vehicles |                |                |                 |                |

TABLE 18  
**AGE AND GENDER OF DRIVERS INVOLVED  
 IN MOTOR VEHICLE CRASHES - 2000**

| BY AGE OF FEMALE DRIVER                        |                |                |                 |                |
|------------------------------------------------|----------------|----------------|-----------------|----------------|
| 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            |
| <b>TOTAL</b>                                   | <b>51,394</b>  | <b>83,038</b>  | <b>134,432</b>  | <b>227,235</b> |
| 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          |
| <b>TOTAL</b>                                   | <b>157,797</b> | <b>120,607</b> | <b>278,404</b>  | <b>411,996</b> |
| Source: New York State Dept. of Motor Vehicles |                |                |                 |                |

TABLE 19  
AGE AND GENDER OF DRIVERS INVOLVED  
IN MOTOR VEHICLE CRASHES - 2002

| BY AGE OF FEMALE DRIVER                                                                                                 |                |               |                 |                |
|-------------------------------------------------------------------------------------------------------------------------|----------------|---------------|-----------------|----------------|
| AGE                                                                                                                     | NY CITY        | NY SUBURBS    | NY METR. REGION | NY STATE       |
| UNDER 16                                                                                                                | 12             | 33            | 45              | 90             |
| 16-17                                                                                                                   | 436            | 2,449         | 2,885           | 6,128          |
| 18-20                                                                                                                   | 2,267          | 5,001         | 7,268           | 13,416         |
| 21-24                                                                                                                   | 4,323          | 5,411         | 9,734           | 15,671         |
| 25-29                                                                                                                   | 5,720          | 5,304         | 11,024          | 16,175         |
| 30-34                                                                                                                   | 5,895          | 5,745         | 11,640          | 16,841         |
| 35-39                                                                                                                   | 5,683          | 6,792         | 12,475          | 18,009         |
| 40-44                                                                                                                   | 4,879          | 6,599         | 11,478          | 17,282         |
| 45-49                                                                                                                   | 4,020          | 5,445         | 9,465           | 14,389         |
| 50-54                                                                                                                   | 3,047          | 4,387         | 7,434           | 11,536         |
| 55-59                                                                                                                   | 2,183          | 3,387         | 5,570           | 8,543          |
| 60-64                                                                                                                   | 1,348          | 2,372         | 3,720           | 5,645          |
| 65-69                                                                                                                   | 765            | 1,678         | 2,443           | 3,937          |
| 70-74                                                                                                                   | 636            | 1,669         | 2,305           | 3,751          |
| 75-79                                                                                                                   | 457            | 1,296         | 1,753           | 3,059          |
| 80 AND OVER                                                                                                             | 328            | 1,148         | 1,476           | 2,780          |
| UNSPECIFIED AGE                                                                                                         | 206            | 169           | 375             | 583            |
| <b>TOTAL</b>                                                                                                            | <b>42,205</b>  | <b>58,885</b> | <b>101,090</b>  | <b>157,835</b> |
| BY AGE OF MALE DRIVER                                                                                                   |                |               |                 |                |
| AGE                                                                                                                     | NY CITY        | NY SUBURBS    | NY METR. REGION | NY STATE       |
| UNDER 16                                                                                                                | 72             | 56            | 128             | 209            |
| 16-17                                                                                                                   | 971            | 3,142         | 4,113           | 7,910          |
| 18-20                                                                                                                   | 5,637          | 6,739         | 12,376          | 20,189         |
| 21-24                                                                                                                   | 10,843         | 7,752         | 18,595          | 26,171         |
| 25-29                                                                                                                   | 14,326         | 7,938         | 22,264          | 28,679         |
| 30-34                                                                                                                   | 14,676         | 8,087         | 22,763          | 29,129         |
| 35-39                                                                                                                   | 15,154         | 8,449         | 23,603          | 30,366         |
| 40-44                                                                                                                   | 13,383         | 8,259         | 21,642          | 28,695         |
| 45-49                                                                                                                   | 11,084         | 6,904         | 17,988          | 24,469         |
| 50-54                                                                                                                   | 8,469          | 5,655         | 14,124          | 19,432         |
| 55-59                                                                                                                   | 6,029          | 4,581         | 10,610          | 14,761         |
| 60-64                                                                                                                   | 4,020          | 3,154         | 7,174           | 10,121         |
| 65-69                                                                                                                   | 2,541          | 2,453         | 4,994           | 7,162          |
| 70-74                                                                                                                   | 1,664          | 2,068         | 3,732           | 5,724          |
| 75-79                                                                                                                   | 1,147          | 1,753         | 2,900           | 4,608          |
| 80 AND OVER                                                                                                             | 1,077          | 1,596         | 2,673           | 4,334          |
| UNSPECIFIED AGE                                                                                                         | 1,021          | 395           | 1,416           | 1,795          |
| <b>TOTAL</b>                                                                                                            | <b>112,114</b> | <b>78,981</b> | <b>191,095</b>  | <b>263,754</b> |
| Source: New York State Dept. of Motor Vehicles<br>Data compiled by Institute for Traffic Safety Management and Research |                |               |                 |                |

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

|                           | 1992          | 1993          | 1994          | 1995          | 1996          | 1997          | 1998          | 1999          | 2000          | 2001          | 2002          |
|---------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Bronx                     | 1,673         | 1,475         | 1,484         | 1,473         | 1,384         | 1,356         | 1,296         | 1,190         | 1,169         | 1,268         | 1,318         |
| Kings                     | 3,216         | 3,257         | 3,023         | 3,059         | 2,936         | 2,909         | 2,939         | 2,708         | 2,761         | 2,837         | 2,767         |
| New York                  | 3,276         | 3,301         | 3,256         | 3,045         | 3,031         | 2,977         | 2,872         | 2,549         | 2,288         | 2,325         | 2,419         |
| Queens                    | 1,915         | 1,844         | 1,877         | 1,978         | 1,849         | 1,769         | 1,877         | 1,721         | 1,641         | 1,744         | 1,533         |
| Richmond                  | 196           | 243           | 206           | 209           | 214           | 188           | 165           | 202           | 183           | 235           | 188           |
| <b>NEW YORK CITY</b>      | <b>10,276</b> | <b>10,120</b> | <b>9,846</b>  | <b>9,764</b>  | <b>9,414</b>  | <b>9,199</b>  | <b>9,149</b>  | <b>8,370</b>  | <b>8,042</b>  | <b>8,409</b>  | <b>8,225</b>  |
| Dutchess                  | 37            | 29            | 35            | 43            | 38            | 45            | 42            | 41            | 34            | 27            | 29            |
| Nassau                    | 525           | 530           | 567           | 562           | 551           | 578           | 554           | 614           | 577           | 519           | 550           |
| Orange                    | 66            | 38            | 50            | 53            | 55            | 59            | 41            | 57            | 54            | 48            | 67            |
| Putnam                    | 9             | 7             | 13            | 10            | 7             | 5             | 4             | 6             | 7             | 11            | 3             |
| Rockland                  | 62            | 59            | 56            | 69            | 54            | 61            | 48            | 67            | 69            | 52            | 50            |
| Suffolk                   | 322           | 301           | 309           | 271           | 315           | 283           | 293           | 286           | 248           | 276           | 263           |
| Westchester               | 363           | 411           | 331           | 335           | 322           | 362           | 367           | 370           | 368           | 344           | 399           |
| <b>NEW YORK SUBURBS</b>   | <b>1,384</b>  | <b>1,375</b>  | <b>1,361</b>  | <b>1,343</b>  | <b>1,342</b>  | <b>1,393</b>  | <b>1,349</b>  | <b>1,441</b>  | <b>1,357</b>  | <b>1,277</b>  | <b>1,361</b>  |
| <b>DOWNSTATE NY</b>       | <b>11,660</b> | <b>11,495</b> | <b>11,207</b> | <b>11,107</b> | <b>10,756</b> | <b>10,592</b> | <b>10,498</b> | <b>9,811</b>  | <b>9,399</b>  | <b>9,686</b>  | <b>9,586</b>  |
| <b>NEW YORK STATE</b>     | <b>13,157</b> | <b>12,888</b> | <b>12,665</b> | <b>12,500</b> | <b>12,070</b> | <b>11,794</b> | <b>11,705</b> | <b>11,020</b> | <b>10,580</b> | <b>10,772</b> | <b>10,626</b> |
| <b>Downstate % of NYS</b> | <b>88.6</b>   | <b>89.2</b>   | <b>88.5</b>   | <b>88.9</b>   | <b>89.1</b>   | <b>89.8</b>   | <b>89.7</b>   | <b>89.0</b>   | <b>88.8</b>   | <b>89.9</b>   | <b>90.2</b>   |

Source: New York State Dept. of Motor Vehicles  
 Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

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

|                           | 1992         | 1993         | 1994         | 1995         | 1996         | 1997         | 1998         | 1999         | 2000         | 2001         | 2002         |
|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Bronx                     | 998          | 942          | 798          | 842          | 760          | 781          | 744          | 792          | 689          | 699          | 538          |
| Kings                     | 1,785        | 1,815        | 1,636        | 1,689        | 1,546        | 1,495        | 1,458        | 1,417        | 1,330        | 1,285        | 1,115        |
| New York                  | 1,439        | 1,279        | 1,312        | 1,356        | 1,291        | 1,193        | 1,227        | 1,088        | 1,191        | 1,061        | 771          |
| Queens                    | 1,215        | 1,061        | 1,001        | 983          | 1,082        | 930          | 983          | 1,019        | 900          | 865          | 681          |
| Richmond                  | 156          | 187          | 168          | 167          | 148          | 148          | 149          | 144          | 158          | 136          | 138          |
| <b>NEW YORK CITY</b>      | <b>5,593</b> | <b>5,284</b> | <b>4,915</b> | <b>5,037</b> | <b>4,827</b> | <b>4,547</b> | <b>4,561</b> | <b>4,460</b> | <b>4,268</b> | <b>4,046</b> | <b>3,243</b> |
| Dutchess                  | 65           | 71           | 57           | 60           | 62           | 68           | 48           | 55           | 29           | 42           | 44           |
| Nassau                    | 479          | 484          | 495          | 464          | 417          | 448          | 462          | 418          | 447          | 445          | 393          |
| Orange                    | 77           | 95           | 136          | 101          | 81           | 83           | 64           | 100          | 99           | 68           | 81           |
| Putnam                    | 19           | 21           | 15           | 10           | 17           | 24           | 23           | 13           | 17           | 18           | 11           |
| Rockland                  | 87           | 77           | 106          | 101          | 84           | 98           | 79           | 84           | 81           | 95           | 73           |
| Suffolk                   | 401          | 457          | 416          | 378          | 345          | 353          | 317          | 342          | 345          | 304          | 323          |
| Westchester               | 405          | 359          | 375          | 353          | 330          | 361          | 398          | 356          | 325          | 281          | 277          |
| <b>NEW YORK SUBURBS</b>   | <b>1,533</b> | <b>1,564</b> | <b>1,600</b> | <b>1,467</b> | <b>1,336</b> | <b>1,435</b> | <b>1,391</b> | <b>1,368</b> | <b>1,343</b> | <b>1,253</b> | <b>1,202</b> |
| <b>DOWNSTATE NY</b>       | <b>7,126</b> | <b>6,848</b> | <b>6,515</b> | <b>6,504</b> | <b>6,163</b> | <b>5,982</b> | <b>5,952</b> | <b>5,828</b> | <b>5,611</b> | <b>5,299</b> | <b>4,445</b> |
| <b>NEW YORK STATE</b>     | <b>9,094</b> | <b>8,644</b> | <b>8,414</b> | <b>8,141</b> | <b>7,785</b> | <b>7,531</b> | <b>7,490</b> | <b>7,308</b> | <b>7,067</b> | <b>6,706</b> | <b>5,769</b> |
| <b>Downstate % of NYS</b> | <b>78.4</b>  | <b>79.2</b>  | <b>77.4</b>  | <b>79.9</b>  | <b>79.2</b>  | <b>79.4</b>  | <b>79.5</b>  | <b>79.7</b>  | <b>79.4</b>  | <b>79.0</b>  | <b>77.0</b>  |

Source: New York State Dept. of Motor Vehicles  
 Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

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

|                           | 1992        | 1993        | 1994        | 1995        | 1996        | 1997        | 1998        | 1999        | 2000        | 2001        | 2002        |
|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Bronx                     | 45          | 42          | 38          | 35          | 30          | 27          | 20          | 29          | 25          | 29          | 23          |
| Kings                     | 75          | 89          | 71          | 69          | 71          | 71          | 70          | 66          | 60          | 59          | 47          |
| New York                  | 65          | 62          | 60          | 65          | 56          | 54          | 42          | 37          | 50          | 39          | 36          |
| Queens                    | 68          | 67          | 52          | 57          | 49          | 66          | 48          | 48          | 38          | 45          | 41          |
| Richmond                  | 7           | 4           | 2           | 10          | 7           | 4           | 1           | 6           | 7           | 14          | 9           |
| <b>NEW YORK CITY</b>      | <b>260</b>  | <b>264</b>  | <b>223</b>  | <b>236</b>  | <b>213</b>  | <b>222</b>  | <b>181</b>  | <b>186</b>  | <b>180</b>  | <b>186</b>  | <b>156</b>  |
| Dutchess                  | 5           | 4           | 2           | 3           | 3           | 6           | 1           | 4           | 1           | 2           | 1           |
| Nassau                    | 44          | 25          | 31          | 31          | 17          | 31          | 34          | 47          | 28          | 34          | 38          |
| Orange                    | 6           | 5           | 3           | 4           | 3           | 6           | 2           | 8           | 1           | 3           | 9           |
| Putnam                    | 2           | 1           | 2           | 0           | 1           | 0           | 0           | 1           | 1           | 2           | 1           |
| Rockland                  | 4           | 3           | 8           | 4           | 1           | 4           | 3           | 8           | 4           | 3           | 6           |
| Suffolk                   | 43          | 44          | 23          | 42          | 29          | 25          | 43          | 34          | 33          | 30          | 23          |
| Westchester               | 16          | 12          | 17          | 16          | 13          | 10          | 19          | 8           | 11          | 9           | 14          |
| <b>NEW YORK SUBURBS</b>   | <b>120</b>  | <b>94</b>   | <b>86</b>   | <b>100</b>  | <b>67</b>   | <b>82</b>   | <b>102</b>  | <b>110</b>  | <b>79</b>   | <b>83</b>   | <b>92</b>   |
| <b>DOWNSTATE NY</b>       | <b>380</b>  | <b>358</b>  | <b>309</b>  | <b>336</b>  | <b>280</b>  | <b>304</b>  | <b>283</b>  | <b>296</b>  | <b>259</b>  | <b>269</b>  | <b>248</b>  |
| <b>NEW YORK STATE</b>     | <b>479</b>  | <b>449</b>  | <b>408</b>  | <b>428</b>  | <b>397</b>  | <b>374</b>  | <b>372</b>  | <b>383</b>  | <b>335</b>  | <b>358</b>  | <b>326</b>  |
| <b>Downstate % of NYS</b> | <b>79.3</b> | <b>79.7</b> | <b>75.7</b> | <b>78.5</b> | <b>70.5</b> | <b>81.3</b> | <b>76.1</b> | <b>77.3</b> | <b>77.3</b> | <b>75.1</b> | <b>76.1</b> |

Source: New York State Dept. of Motor Vehicles  
 Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

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

|                           | 1992         | 1993         | 1994         | 1995         | 1996         | 1997         | 1998         | 1999         | 2000         | 2001         | 2002         |
|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Bronx                     | 516          | 621          | 598          | 715          | 703          | 728          | 615          | 501          | 510          | 433          | 373          |
| Kings                     | 1,415        | 1,591        | 1,608        | 1,932        | 1,935        | 1,856        | 1,741        | 1,461        | 1,329        | 1,341        | 1,215        |
| New York                  | 1,362        | 1,563        | 1,491        | 1,557        | 1,570        | 1,666        | 1,476        | 1,342        | 1,153        | 1,140        | 1,019        |
| Queens                    | 796          | 943          | 895          | 995          | 966          | 1,009        | 949          | 863          | 735          | 705          | 586          |
| Richmond                  | 147          | 116          | 117          | 132          | 132          | 145          | 136          | 107          | 97           | 82           | 66           |
| <b>NEW YORK CITY</b>      | <b>4,236</b> | <b>4,834</b> | <b>4,709</b> | <b>5,331</b> | <b>5,306</b> | <b>5,404</b> | <b>4,917</b> | <b>4,274</b> | <b>3,824</b> | <b>3,701</b> | <b>3,259</b> |
| Dutchess                  | 87           | 75           | 76           | 67           | 65           | 71           | 60           | 46           | 64           | 51           | 41           |
| Nassau                    | 776          | 723          | 685          | 700          | 622          | 646          | 645          | 598          | 584          | 577          | 521          |
| Orange                    | 107          | 93           | 79           | 86           | 94           | 90           | 90           | 77           | 75           | 78           | 64           |
| Putnam                    | 10           | 11           | 14           | 11           | 7            | 8            | 5            | 13           | 5            | 14           | 5            |
| Rockland                  | 82           | 58           | 65           | 65           | 71           | 63           | 68           | 70           | 52           | 51           | 40           |
| Suffolk                   | 657          | 618          | 589          | 627          | 551          | 601          | 627          | 592          | 527          | 520          | 448          |
| Westchester               | 244          | 253          | 225          | 251          | 239          | 211          | 234          | 213          | 180          | 176          | 163          |
| <b>NEW YORK SUBURBS</b>   | <b>1,963</b> | <b>1,831</b> | <b>1,733</b> | <b>1,807</b> | <b>1,649</b> | <b>1,690</b> | <b>1,729</b> | <b>1,609</b> | <b>1,487</b> | <b>1,467</b> | <b>1,282</b> |
| <b>DOWNSTATE NY</b>       | <b>6,199</b> | <b>6,665</b> | <b>6,442</b> | <b>7,138</b> | <b>6,955</b> | <b>7,094</b> | <b>6,646</b> | <b>5,883</b> | <b>5,311</b> | <b>5,168</b> | <b>4,541</b> |
| <b>NEW YORK STATE</b>     | <b>8,516</b> | <b>9,068</b> | <b>8,538</b> | <b>9,341</b> | <b>9,118</b> | <b>9,189</b> | <b>8,671</b> | <b>7,828</b> | <b>7,095</b> | <b>6,791</b> | <b>6,026</b> |
| <b>Downstate % of NYS</b> | <b>72.8</b>  | <b>73.5</b>  | <b>75.5</b>  | <b>76.4</b>  | <b>76.3</b>  | <b>77.2</b>  | <b>76.6</b>  | <b>75.2</b>  | <b>74.9</b>  | <b>76.1</b>  | <b>75.4</b>  |

Source: New York State Dept. of Motor Vehicles  
 Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

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

|                           | 1992        | 1993        | 1994        | 1995        | 1996        | 1997        | 1998        | 1999        | 2000        | 2001        | 2002        |
|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Bronx                     | 3           | 1           | 0           | 2           | 2           | 3           | 6           | 5           | 0           | 2           | 2           |
| Kings                     | 2           | 6           | 5           | 6           | 3           | 10          | 4           | 11          | 8           | 8           | 11          |
| New York                  | 7           | 4           | 6           | 6           | 8           | 4           | 3           | 5           | 2           | 4           | 4           |
| Queens                    | 4           | 3           | 4           | 6           | 3           | 2           | 5           | 6           | 4           | 0           | 1           |
| Richmond                  | 1           | 0           | 0           | 0           | 0           | 1           | 0           | 0           | 1           | 1           | 0           |
| <b>NEW YORK CITY</b>      | <b>17</b>   | <b>14</b>   | <b>15</b>   | <b>20</b>   | <b>16</b>   | <b>20</b>   | <b>18</b>   | <b>27</b>   | <b>15</b>   | <b>15</b>   | <b>18</b>   |
| Dutchess                  | 1           | 0           | 1           | 0           | 0           | 1           | 3           | 0           | 0           | 1           | 0           |
| Nassau                    | 3           | 4           | 7           | 4           | 2           | 2           | 2           | 2           | 2           | 3           | 3           |
| Orange                    | 0           | 1           | 0           | 2           | 0           | 1           | 1           | 0           | 3           | 2           | 2           |
| Putnam                    | 1           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Rockland                  | 0           | 0           | 0           | 0           | 2           | 1           | 0           | 1           | 0           | 0           | 0           |
| Suffolk                   | 6           | 5           | 5           | 6           | 9           | 6           | 10          | 4           | 5           | 8           | 4           |
| Westchester               | 1           | 2           | 1           | 2           | 0           | 0           | 0           | 1           | 1           | 0           | 0           |
| <b>NEW YORK SUBURBS</b>   | <b>12</b>   | <b>12</b>   | <b>14</b>   | <b>14</b>   | <b>13</b>   | <b>11</b>   | <b>16</b>   | <b>8</b>    | <b>11</b>   | <b>14</b>   | <b>9</b>    |
| <b>DOWNSTATE NY</b>       | <b>29</b>   | <b>26</b>   | <b>29</b>   | <b>34</b>   | <b>29</b>   | <b>31</b>   | <b>34</b>   | <b>35</b>   | <b>26</b>   | <b>29</b>   | <b>27</b>   |
| <b>NEW YORK STATE</b>     | <b>50</b>   | <b>42</b>   | <b>47</b>   | <b>51</b>   | <b>44</b>   | <b>49</b>   | <b>53</b>   | <b>45</b>   | <b>38</b>   | <b>42</b>   | <b>34</b>   |
| <b>Downstate % of NYS</b> | <b>58.0</b> | <b>61.9</b> | <b>61.7</b> | <b>66.7</b> | <b>65.9</b> | <b>63.3</b> | <b>64.2</b> | <b>77.8</b> | <b>68.4</b> | <b>69.0</b> | <b>79.4</b> |

Source: New York State Dept. of Motor Vehicles  
 Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

TABLE 25  
**BRONX COUNTY**  
**CRASHES ON ROAD SYSTEM BY JURISDICTION**

|                   | 1993          |           |               | 1994          |           |               | 1995          |           |               | 1996          |           |               | 1997          |           |               |
|-------------------|---------------|-----------|---------------|---------------|-----------|---------------|---------------|-----------|---------------|---------------|-----------|---------------|---------------|-----------|---------------|
|                   | 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     |
| <b>Total</b>      | <b>13,819</b> | <b>79</b> | <b>11,418</b> | <b>13,493</b> | <b>64</b> | <b>10,983</b> | <b>13,568</b> | <b>74</b> | <b>11,249</b> | <b>12,899</b> | <b>54</b> | <b>10,611</b> | <b>13,114</b> | <b>72</b> | <b>10,904</b> |
| State Routes      | 39            | 0         | 30            | 35            | 0         | 28            | 36            | 0         | 26            | 26            | 0         | 21            | 44            | 0         | 37            |
| County Routes     | 0             | 0         | 0             | 0             | 0         | 0             | 0             | 0         | 0             | 0             | 0         | 0             | 0             | 0         | 0             |
| Town Routes       | 1             | 0         | 0             | 0             | 0         | 0             | 1             | 0         | 1             | 1             | 0         | 0             | 3             | 0         | 2             |
| Municipal Streets | 10,809        | 60        | 9,078         | 10,566        | 48        | 8,705         | 10,584        | 55        | 8,994         | 9,979         | 41        | 8,405         | 10,136        | 51        | 8,583         |
| Parkways          | 775           | 8         | 596           | 711           | 6         | 567           | 705           | 6         | 542           | 723           | 3         | 574           | 729           | 9         | 564           |
| Thruway           | 1             | 0         | 0             | 0             | 0         | 0             | 1             | 0         | 0             | 0             | 0         | 0             | 0             | 0         | 0             |
| Other Interstate  | 2,167         | 11        | 1,699         | 2,159         | 10        | 1,669         | 2,203         | 13        | 1,673         | 2,138         | 10        | 1,600         | 2,177         | 12        | 1,713         |
| Unspecified       | 27            | 0         | 15            | 22            | 0         | 14            | 38            | 0         | 13            | 32            | 0         | 11            | 25            | 0         | 5             |
|                   | 1998          |           |               | 1999          |           |               | 2000          |           |               | 2001          |           |               | 2002          |           |               |
|                   | 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     |
| <b>Total</b>      | <b>13,272</b> | <b>49</b> | <b>11,071</b> | <b>17,950</b> | <b>59</b> | <b>11,960</b> | <b>19,953</b> | <b>49</b> | <b>13,194</b> | <b>17,864</b> | <b>55</b> | <b>12,447</b> | <b>14,653</b> | <b>58</b> | <b>11,978</b> |
| State Routes      | 18            | 0         | 13            | 41            | 0         | 25            | 27            | 0         | 18            | 31            | 0         | 22            | 19            | 0         | 17            |
| County Routes     | 0             | 0         | 0             | 2             | 0         | 0             | 3             | 0         | 2             | 3             | 0         | 2             | 4             | 0         | 3             |
| Town Routes       | 10            | 0         | 5             | 3             | 1         | 0             | 5             | 0         | 3             | 28            | 0         | 20            | 66            | 0         | 58            |
| Municipal Streets | 10,303        | 39        | 8,719         | 13,608        | 43        | 9,349         | 15,384        | 33        | 10,587        | 13,905        | 41        | 9,997         | 11,407        | 35        | 9,532         |
| Parkways          | 731           | 2         | 590           | 911           | 5         | 582           | 930           | 4         | 567           | 819           | 3         | 533           | 806           | 5         | 616           |
| Thruway           | 0             | 0         | 0             | 29            | 0         | 15            | 15            | 0         | 9             | 0             | 0         | 0             | 2             | 0         | 2             |
| Other Interstate  | 2,197         | 8         | 1,739         | 3,347         | 10        | 1,984         | 3,547         | 12        | 1,982         | 2,978         | 11        | 1,791         | 2,293         | 18        | 1,723         |
| Unspecified       | 13            | 0         | 5             | 9             | 0         | 5             | 42            | 0         | 26            | 100           | 0         | 82            | 56            | 0         | 27            |

Source: New York State Dept. of Motor Vehicles  
Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

Due to the difference in data compilation for 2001 and 2002, comparisons with data for these years and prior years will not be possible.

TABLE 26  
**KINGS COUNTY**  
**CRASHES ON ROAD SYSTEM BY JURISDICTION**

|                                                                                         | 1993             |            |               | 1994             |            |               | 1995             |            |               | 1996             |            |               | 1997             |            |               |
|-----------------------------------------------------------------------------------------|------------------|------------|---------------|------------------|------------|---------------|------------------|------------|---------------|------------------|------------|---------------|------------------|------------|---------------|
|                                                                                         | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj.    | Total<br>Crashes | Fatal      | Pers. Inj.    | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj     |
| <b>Total</b>                                                                            | <b>30,922</b>    | <b>142</b> | <b>26,438</b> | <b>30,485</b>    | <b>117</b> | <b>26,252</b> | <b>30,129</b>    | <b>117</b> | <b>26,286</b> | <b>28,504</b>    | <b>109</b> | <b>25,062</b> | <b>28,768</b>    | <b>134</b> | <b>25,559</b> |
| State Routes                                                                            | 134              | 1          | 110           | 129              | 0          | 119           | 169              | 0          | 141           | 119              | 1          | 99            | 109              | 3          | 95            |
| County Routes                                                                           | 0                | 0          | 0             | 1                | 0          | 1             | 0                | 0          | 0             | 0                | 0          | 0             | 0                | 0          | 0             |
| Town Routes                                                                             | 2                | 0          | 1             | 6                | 0          | 5             | 1                | 0          | 1             | 4                | 0          | 3             | 1                | 0          | 1             |
| Municipal Streets                                                                       | 28,308           | 128        | 24,274        | 27,792           | 104        | 23,998        | 27,350           | 104        | 23,970        | 26,067           | 99         | 23,033        | 26,223           | 112        | 23,429        |
| Parkways                                                                                | 1,248            | 9          | 1,030         | 1,373            | 6          | 1,138         | 1,299            | 9          | 1,084         | 1,147            | 5          | 969           | 1,275            | 9          | 1,078         |
| Thruway                                                                                 | 0                | 0          | 0             | 2                | 0          | 1             | 0                | 0          | 0             | 0                | 0          | 0             | 0                | 0          | 0             |
| Other Interstate                                                                        | 1,203            | 4          | 1,000         | 1,154            | 7          | 966           | 1,279            | 4          | 1,074         | 1,161            | 4          | 953           | 1,148            | 10         | 950           |
| Unspecified                                                                             | 27               | 0          | 23            | 28               | 0          | 24            | 31               | 0          | 16            | 6                | 0          | 5             | 12               | 0          | 6             |
|                                                                                         | 1998             |            |               | 1999             |            |               | 2000             |            |               | 2001             |            |               | 2002             |            |               |
|                                                                                         | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj     |
| <b>Total</b>                                                                            | <b>30,081</b>    | <b>115</b> | <b>26,720</b> | <b>35,782</b>    | <b>114</b> | <b>26,511</b> | <b>38,151</b>    | <b>105</b> | <b>27,190</b> | <b>33,370</b>    | <b>111</b> | <b>25,229</b> | <b>27,736</b>    | <b>92</b>  | <b>3,946</b>  |
| State Routes                                                                            | 88               | 1          | 79            | 102              | 1          | 81            | 125              | 0          | 94            | 108              | 0          | 87            | 83               | 1          | 10            |
| County Routes                                                                           | 0                | 0          | 0             | 1                | 0          | 1             | 9                | 0          | 2             | 3                | 0          | 2             | 5                | 1          | 0             |
| Town Routes                                                                             | 1                | 0          | 0             | 0                | 0          | 0             | 2                | 0          | 1             | 63               | 0          | 58            | 82               | 0          | 15            |
| Municipal Streets                                                                       | 27,382           | 101        | 24,459        | 32,334           | 101        | 24,132        | 34,472           | 92         | 24,845        | 29,988           | 100        | 22,776        | 24,962           | 79         | 3,402         |
| Parkways                                                                                | 1,303            | 11         | 1,099         | 1,562            | 9          | 1,169         | 1,697            | 10         | 1,183         | 1,483            | 8          | 1,091         | 1,337            | 7          | 259           |
| Thruway                                                                                 | 0                | 0          | 0             | 0                | 0          | 0             | 2                | 0          | 1             | 0                | 0          | 0             | 2                | 0          | 0             |
| Other Interstate                                                                        | 1,280            | 2          | 1,071         | 1,746            | 3          | 1,104         | 1,817            | 3          | 1,045         | 1,555            | 3          | 1,069         | 1,237            | 4          | 255           |
| Unspecified                                                                             | 27               | 0          | 12            | 37               | 0          | 24            | 27               | 0          | 19            | 170              | 0          | 146           | 28               | 0          | 5             |
| Source: New York State Dept. of Motor Vehicles                                          |                  |            |               |                  |            |               |                  |            |               |                  |            |               |                  |            |               |
| Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research |                  |            |               |                  |            |               |                  |            |               |                  |            |               |                  |            |               |

Due to the difference in data compilation for 2001 and 2002, comparisons with data for these years and prior years will not be possible.

TABLE 27  
**NEW YORK COUNTY**  
**CRASHES ON ROAD SYSTEM BY JURISDICTION**

|                   | 1993          |           |               | 1994          |           |               | 1995          |           |               | 1996          |           |               | 1997          |           |               |
|-------------------|---------------|-----------|---------------|---------------|-----------|---------------|---------------|-----------|---------------|---------------|-----------|---------------|---------------|-----------|---------------|
|                   | 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     |
| <b>Total</b>      | <b>20,317</b> | <b>99</b> | <b>17,088</b> | <b>20,382</b> | <b>82</b> | <b>16,913</b> | <b>19,694</b> | <b>96</b> | <b>16,250</b> | <b>19,219</b> | <b>84</b> | <b>15,825</b> | <b>18,731</b> | <b>81</b> | <b>15,711</b> |
| State Routes      | 29            | 0         | 23            | 41            | 0         | 31            | 51            | 0         | 28            | 40            | 0         | 26            | 40            | 0         | 26            |
| County Routes     | 0             | 0         | 0             | 0             | 0         | 0             | 2             | 0         | 2             | 1             | 0         | 0             | 0             | 0         | 0             |
| Town Routes       | 1             | 0         | 1             | 1             | 0         | 1             | 3             | 0         | 3             | 3             | 0         | 3             | 0             | 0         | 0             |
| Municipal Streets | 18,087        | 81        | 15,345        | 18,056        | 70        | 15,228        | 17,298        | 83        | 14,541        | 16,805        | 73        | 14,128        | 16,671        | 67        | 14,168        |
| Parkways          | 1,545         | 17        | 1,221         | 1,434         | 11        | 1,154         | 1,469         | 13        | 1,171         | 1,516         | 9         | 1,212         | 1,428         | 13        | 1,146         |
| Thruway           | 1             | 0         | 1             | 3             | 0         | 2             | 0             | 0         | 0             | 0             | 0         | 0             | 0             | 0         | 0             |
| Other Interstate  | 627           | 1         | 481           | 815           | 1         | 475           | 849           | 0         | 492           | 841           | 2         | 448           | 575           | 1         | 363           |
| Unspecified       | 27            | 0         | 16            | 32            | 0         | 22            | 22            | 0         | 13            | 13            | 0         | 8             | 17            | 0         | 8             |
|                   | 1998          |           |               | 1999          |           |               | 2000          |           |               | 2001          |           |               | 2002          |           |               |
|                   | 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     |
| <b>Total</b>      | <b>18,176</b> | <b>59</b> | <b>15,243</b> | <b>22,956</b> | <b>66</b> | <b>14,679</b> | <b>24,609</b> | <b>70</b> | <b>14,624</b> | <b>21,646</b> | <b>55</b> | <b>14,058</b> | <b>16,714</b> | <b>50</b> | <b>13,340</b> |
| State Routes      | 37            | 1         | 23            | 56            | 0         | 31            | 77            | 0         | 36            | 79            | 0         | 53            | 100           | 0         | 67            |
| County Routes     | 0             | 0         | 0             | 0             | 0         | 0             | 13            | 0         | 3             | 6             | 0         | 1             | 1             | 0         | 0             |
| Town Routes       | 2             | 0         | 0             | 2             | 0         | 2             | 4             | 0         | 3             | 27            | 0         | 19            | 51            | 0         | 41            |
| Municipal Streets | 16,085        | 51        | 13,630        | 20,297        | 53        | 13,078        | 21,738        | 60        | 12,929        | 19,130        | 50        | 12,503        | 14,691        | 42        | 11,798        |
| Parkways          | 1,537         | 7         | 1,230         | 1,863         | 13        | 1,227         | 2,150         | 10        | 1,349         | 1,828         | 5         | 1,161         | 1,481         | 7         | 1,180         |
| Thruway           | 2             | 0         | 1             | 3             | 0         | 2             | 0             | 0         | 0             | 0             | 0         | 0             | 1             | 0         | 0             |
| Other Interstate  | 503           | 0         | 355           | 723           | 0         | 331           | 608           | 0         | 291           | 447           | 0         | 216           | 322           | 1         | 216           |
| Unspecified       | 10            | 0         | 4             | 12            | 0         | 8             | 19            | 0         | 13            | 129           | 0         | 105           | 67            | 0         | 38            |

Source: New York State Dept. of Motor Vehicles  
 Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

Due to the difference in data compilation for 2001 and 2002, comparisons with data for these years and prior years will not be possible.

TABLE 28  
**QUEENS COUNTY**  
**CRASHES ON ROAD SYSTEM BY JURISDICTION**

|                   | 1993          |            |               | 1994          |            |               | 1995          |            |               | 1996          |            |               | 1997          |            |               |
|-------------------|---------------|------------|---------------|---------------|------------|---------------|---------------|------------|---------------|---------------|------------|---------------|---------------|------------|---------------|
|                   | 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     |
| <b>Total</b>      | <b>29,905</b> | <b>140</b> | <b>23,299</b> | <b>29,302</b> | <b>133</b> | <b>23,049</b> | <b>29,243</b> | <b>132</b> | <b>23,461</b> | <b>27,703</b> | <b>116</b> | <b>22,205</b> | <b>26,690</b> | <b>123</b> | <b>21,849</b> |
| State Routes      | 55            | 0          | 42            | 31            | 1          | 24            | 46            | 0          | 34            | 35            | 0          | 26            | 32            | 0          | 25            |
| County Routes     | 1             | 0          | 0             | 1             | 0          | 1             | 0             | 0          | 0             | 0             | 0          | 0             | 0             | 0          | 0             |
| Town Routes       | 2             | 0          | 1             | 3             | 1          | 1             | 1             | 0          | 1             | 1             | 0          | 1             | 1             | 0          | 1             |
| Municipal Streets | 24,128        | 118        | 18,843        | 23,765        | 105        | 18,727        | 23,792        | 106        | 19,165        | 22,510        | 93         | 18,131        | 21,709        | 96         | 17,832        |
| Parkways          | 2,708         | 11         | 2,098         | 2,614         | 13         | 2,042         | 2,555         | 9          | 2,036         | 2,385         | 10         | 1,899         | 2,384         | 12         | 1,968         |
| Thruway           | 0             | 0          | 0             | 0             | 0          | 0             | 0             | 0          | 0             | 1             | 0          | 0             | 1             | 0          | 0             |
| Other Interstate  | 2,936         | 11         | 2,288         | 2,830         | 12         | 2,224         | 2,820         | 17         | 2,212         | 2,756         | 13         | 2,139         | 2,538         | 15         | 2,014         |
| Unspecified       | 75            | 0          | 27            | 58            | 1          | 30            | 29            | 0          | 13            | 15            | 0          | 9             | 25            | 0          | 9             |
|                   | 1998          |            |               | 1999          |            |               | 2000          |            |               | 2001          |            |               | 2002          |            |               |
|                   | 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     |
| <b>Total</b>      | <b>28,274</b> | <b>112</b> | <b>23,160</b> | <b>34,697</b> | <b>118</b> | <b>23,875</b> | <b>36,578</b> | <b>100</b> | <b>24,459</b> | <b>33,574</b> | <b>104</b> | <b>23,456</b> | <b>28,911</b> | <b>108</b> | <b>22,655</b> |
| State Routes      | 22            | 0          | 15            | 58            | 1          | 31            | 63            | 0          | 42            | 90            | 2          | 60            | 65            | 1          | 50            |
| County Routes     | 1             | 0          | 0             | 1             | 0          | 0             | 8             | 0          | 4             | 4             | 0          | 2             | 3             | 0          | 3             |
| Town Routes       | 3             | 0          | 3             | 3             | 0          | 1             | 3             | 0          | 3             | 99            | 0          | 73            | 191           | 0          | 159           |
| Municipal Streets | 22,807        | 86         | 18,819        | 27,711        | 92         | 19,229        | 29,315        | 75         | 19,780        | 26,471        | 78         | 18,667        | 22,760        | 85         | 17,915        |
| Parkways          | 2,550         | 10         | 2,064         | 3,394         | 13         | 2,342         | 3,627         | 13         | 2,436         | 3,366         | 15         | 2,320         | 2,948         | 12         | 2,328         |
| Thruway           | 0             | 0          | 0             | 2             | 0          | 1             | 2             | 0          | 2             | 0             | 0          | 0             | 12            | 0          | 9             |
| Other Interstate  | 2,850         | 16         | 2,245         | 3,498         | 12         | 2,259         | 3,522         | 12         | 2,173         | 3,411         | 9          | 2,220         | 2,879         | 10         | 2,161         |
| Unspecified       | 41            | 0          | 14            | 30            | 0          | 12            | 38            | 0          | 19            | 133           | 0          | 114           | 53            | 0          | 30            |

Source: New York State Dept. of Motor Vehicles  
Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

Due to the difference in data compilation for 2001 and 2002, comparisons with data for these years and prior years will not be possible.

TABLE 29  
**RICHMOND COUNTY**  
**CRASHES ON ROAD SYSTEM BY JURISDICTION**

|                   | 1993             |           |              | 1994             |           |              | 1995             |           |              | 1996             |           |              | 1997             |           |              |
|-------------------|------------------|-----------|--------------|------------------|-----------|--------------|------------------|-----------|--------------|------------------|-----------|--------------|------------------|-----------|--------------|
|                   | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj    |
| <b>Total</b>      | <b>5,469</b>     | <b>17</b> | <b>4,304</b> | <b>5,171</b>     | <b>23</b> | <b>4,036</b> | <b>5,361</b>     | <b>19</b> | <b>4,188</b> | <b>5,268</b>     | <b>17</b> | <b>4,244</b> | <b>5,125</b>     | <b>14</b> | <b>4,133</b> |
| State Routes      | 93               | 2         | 70           | 101              | 0         | 84           | 109              | 3         | 69           | 119              | 0         | 96           | 75               | 1         | 55           |
| County Routes     | 0                | 0         | 0            | 1                | 0         | 0            | 0                | 0         | 0            | 0                | 0         | 0            | 0                | 0         | 0            |
| Town Routes       | 0                | 0         | 0            | 1                | 0         | 1            | 2                | 0         | 1            | 0                | 0         | 0            | 1                | 0         | 1            |
| Municipal Streets | 4,900            | 14        | 3,851        | 4,616            | 22        | 3,592        | 4,659            | 15        | 3,667        | 4,543            | 16        | 3,672        | 4,529            | 12        | 3,656        |
| Parkways          | 9                | 0         | 6            | 16               | 0         | 12           | 9                | 0         | 6            | 30               | 0         | 24           | 49               | 0         | 43           |
| Thruway           | 0                | 0         | 0            | 0                | 0         | 0            | 0                | 0         | 0            | 1                | 0         | 0            | 0                | 0         | 0            |
| Other Interstate  | 440              | 1         | 365          | 427              | 1         | 344          | 569              | 1         | 439          | 562              | 1         | 445          | 460              | 1         | 373          |
| Unspecified       | 27               | 0         | 12           | 9                | 0         | 3            | 13               | 0         | 6            | 13               | 0         | 7            | 11               | 0         | 5            |
|                   | 1998             |           |              | 1999             |           |              | 2000             |           |              | 2001             |           |              | 2002             |           |              |
|                   | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj    |
| <b>Total</b>      | <b>5,318</b>     | <b>22</b> | <b>4,204</b> | <b>5,781</b>     | <b>15</b> | <b>3,808</b> | <b>6,258</b>     | <b>24</b> | <b>3,805</b> | <b>6,183</b>     | <b>27</b> | <b>3,976</b> | <b>5,298</b>     | <b>20</b> | <b>3,857</b> |
| State Routes      | 109              | 2         | 85           | 127              | 1         | 70           | 97               | 1         | 50           | 91               | 0         | 59           | 110              | 2         | 80           |
| County Routes     | 0                | 0         | 0            | 1                | 0         | 0            | 0                | 0         | 0            | 13               | 0         | 7            | 0                | 0         | 0            |
| Town Routes       | 0                | 0         | 0            | 1                | 0         | 1            | 0                | 0         | 0            | 14               | 0         | 9            | 20               | 0         | 15           |
| Municipal Streets | 4,696            | 16        | 3,724        | 4,952            | 12        | 3,344        | 5,307            | 20        | 3,315        | 5,256            | 24        | 3,431        | 4,613            | 18        | 3,342        |
| Parkways          | 46               | 2         | 32           | 30               | 1         | 14           | 42               | 0         | 23           | 18               | 1         | 10           | 20               | 0         | 17           |
| Thruway           | 0                | 0         | 0            | 1                | 0         | 1            | 1                | 0         | 1            | 0                | 0         | 0            | 1                | 0         | 1            |
| Other Interstate  | 456              | 2         | 357          | 663              | 1         | 375          | 796              | 3         | 411          | 754              | 2         | 436          | 521              | 0         | 397          |
| Unspecified       | 11               | 0         | 6            | 6                | 0         | 3            | 15               | 0         | 5            | 37               | 0         | 24           | 13               | 0         | 5            |

Source: New York State Dept. of Motor Vehicles  
 Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

Due to the difference in data compilation for 2001 and 2002,  
 comparisons with data for these years and prior years will not be possible.

TABLE 30  
**NEW YORK CITY**  
**CRASHES ON ROAD SYSTEM BY JURISDICTION**

|                   | 1993           |            |               | 1994           |            |               | 1995           |            |               | 1996           |            |               | 1997          |            |               |
|-------------------|----------------|------------|---------------|----------------|------------|---------------|----------------|------------|---------------|----------------|------------|---------------|---------------|------------|---------------|
|                   | 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     |
| <b>Total</b>      | <b>100,432</b> | <b>477</b> | <b>82,547</b> | <b>98,833</b>  | <b>419</b> | <b>81,233</b> | <b>97,995</b>  | <b>438</b> | <b>81,434</b> | <b>93,593</b>  | <b>380</b> | <b>77,947</b> | <b>92,428</b> | <b>424</b> | <b>78,156</b> |
| State Routes      | 350            | 3          | 275           | 337            | 1          | 286           | 411            | 3          | 298           | 339            | 1          | 268           | 300           | 4          | 238           |
| County Routes     | 1              | 0          | 0             | 3              | 0          | 2             | 2              | 0          | 2             | 1              | 0          | 0             | 0             | 0          | 0             |
| Town Routes       | 6              | 0          | 3             | 11             | 1          | 8             | 8              | 0          | 7             | 9              | 0          | 7             | 6             | 0          | 5             |
| Municipal Streets | 86,232         | 401        | 71,391        | 84,795         | 349        | 70,250        | 83,683         | 363        | 70,337        | 79,904         | 322        | 67,369        | 79,268        | 338        | 67,668        |
| Parkways          | 6,285          | 45         | 4,951         | 6,148          | 36         | 4,913         | 6,037          | 37         | 4,839         | 5,801          | 27         | 4,678         | 5,865         | 43         | 4,799         |
| Thruway           | 2              | 0          | 1             | 5              | 0          | 3             | 1              | 0          | 0             | 2              | 0          | 0             | 1             | 0          | 0             |
| Other Interstate  | 7,373          | 28         | 5,833         | 7,385          | 31         | 5,678         | 7,720          | 35         | 5,890         | 7,458          | 30         | 5,585         | 6,898         | 39         | 5,413         |
| Unspecified       | 183            | 0          | 93            | 149            | 1          | 93            | 133            | 0          | 61            | 79             | 0          | 40            | 90            | 0          | 33            |
|                   | 1998           |            |               | 1999           |            |               | 2000           |            |               | 2001           |            |               | 2002          |            |               |
|                   | 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     |
| <b>Total</b>      | <b>95,121</b>  | <b>357</b> | <b>80,398</b> | <b>117,166</b> | <b>372</b> | <b>80,831</b> | <b>125,549</b> | <b>348</b> | <b>83,272</b> | <b>112,637</b> | <b>352</b> | <b>79,166</b> | <b>93,312</b> | <b>328</b> | <b>75,528</b> |
| State Routes      | 274            | 4          | 215           | 384            | 3          | 238           | 389            | 1          | 240           | 399            | 2          | 281           | 377           | 4          | 286           |
| County Routes     | 1              | 0          | 0             | 5              | 0          | 1             | 33             | 0          | 11            | 29             | 0          | 14            | 13            | 1          | 10            |
| Town Routes       | 16             | 0          | 8             | 9              | 1          | 4             | 14             | 0          | 10            | 231            | 0          | 179           | 410           | 0          | 340           |
| Municipal Streets | 81,273         | 293        | 69,351        | 98,902         | 301        | 69,130        | 106,216        | 280        | 71,456        | 94,750         | 293        | 67,374        | 78,433        | 259        | 64,068        |
| Parkways          | 6,167          | 32         | 5,015         | 7,760          | 41         | 5,334         | 8,446          | 37         | 5,558         | 7,514          | 32         | 5,115         | 6,592         | 31         | 5,212         |
| Thruway           | 2              | 0          | 1             | 35             | 0          | 19            | 20             | 0          | 13            | 0              | 0          | 0             | 18            | 0          | 14            |
| Other Interstate  | 7,286          | 28         | 5,767         | 9,977          | 26         | 6,053         | 10,290         | 30         | 5,902         | 9,145          | 25         | 5,732         | 7,252         | 33         | 5,475         |
| Unspecified       | 102            | 0          | 41            | 94             | 0          | 52            | 141            | 0          | 82            | 569            | 0          | 471           | 217           | 0          | 123           |

Source: New York State Dept. of Motor Vehicles  
Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

Due to the difference in data compilation for 2001 and 2002, comparisons with data for these years and prior years will not be possible.

TABLE 31  
**DUTCHESS COUNTY**  
**CRASHES ON ROAD SYSTEM BY JURISDICTION**

|                   | 1993          |           |              | 1994          |           |              | 1995          |           |              | 1996          |           |              | 1997          |           |              |
|-------------------|---------------|-----------|--------------|---------------|-----------|--------------|---------------|-----------|--------------|---------------|-----------|--------------|---------------|-----------|--------------|
|                   | 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    |
| <b>Total</b>      | <b>4,097</b>  | <b>34</b> | <b>2,733</b> | <b>4,320</b>  | <b>30</b> | <b>2,851</b> | <b>4,116</b>  | <b>30</b> | <b>2,800</b> | <b>4,512</b>  | <b>22</b> | <b>2,900</b> | <b>4,731</b>  | <b>31</b> | <b>2,829</b> |
| State Routes      | 2,127         | 18        | 1,421        | 2,239         | 17        | 1,539        | 2,025         | 14        | 1,408        | 2,283         | 11        | 1,520        | 2,384         | 17        | 1,464        |
| County Routes     | 666           | 8         | 434          | 652           | 3         | 421          | 724           | 5         | 510          | 713           | 2         | 467          | 801           | 5         | 461          |
| Town Routes       | 519           | 5         | 339          | 549           | 1         | 331          | 573           | 2         | 358          | 580           | 1         | 347          | 563           | 2         | 327          |
| Municipal Streets | 491           | 1         | 369          | 487           | 1         | 345          | 449           | 3         | 332          | 523           | 2         | 360          | 547           | 1         | 377          |
| Parkways          | 198           | 0         | 115          | 226           | 5         | 118          | 221           | 5         | 120          | 247           | 6         | 122          | 270           | 4         | 111          |
| Thruway           | 0             | 0         | 0            | 2             | 0         | 1            | 1             | 0         | 1            | 0             | 0         | 0            | 1             | 0         | 1            |
| Other Interstate  | 80            | 2         | 52           | 134           | 3         | 88           | 110           | 1         | 68           | 143           | 0         | 80           | 135           | 2         | 76           |
| Unspecified       | 16            | 0         | 3            | 31            | 0         | 8            | 13            | 0         | 3            | 23            | 0         | 4            | 30            | 0         | 12           |
|                   | 1998          |           |              | 1999          |           |              | 2000          |           |              | 2001          |           |              | 2002          |           |              |
|                   | 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    |
| <b>Total</b>      | <b>5,815</b>  | <b>27</b> | <b>2,646</b> | <b>6,577</b>  | <b>29</b> | <b>2,818</b> | <b>7,041</b>  | <b>29</b> | <b>2,755</b> | <b>5,921</b>  | <b>39</b> | <b>2,639</b> | <b>4,166</b>  | <b>15</b> | <b>2,650</b> |
| State Routes      | 2,963         | 11        | 1,397        | 3,262         | 16        | 1,467        | 3,449         | 14        | 1,427        | 3,041         | 17        | 1,417        | 2,014         | 6         | 1,329        |
| County Routes     | 1,033         | 8         | 450          | 1,152         | 5         | 470          | 1,190         | 10        | 453          | 778           | 9         | 364          | 527           | 2         | 331          |
| Town Routes       | 743           | 5         | 302          | 832           | 2         | 324          | 991           | 4         | 371          | 931           | 6         | 392          | 783           | 5         | 467          |
| Municipal Streets | 561           | 2         | 325          | 605           | 1         | 338          | 641           | 0         | 294          | 672           | 0         | 321          | 482           | 1         | 334          |
| Parkways          | 294           | 1         | 89           | 424           | 2         | 129          | 425           | 1         | 114          | 255           | 6         | 67           | 171           | 1         | 102          |
| Thruway           | 3             | 0         | 1            | 5             | 0         | 1            | 4             | 0         | 0            | 0             | 0         | 0            | 5             | 0         | 2            |
| Other Interstate  | 151           | 0         | 65           | 211           | 3         | 71           | 265           | 0         | 81           | 166           | 1         | 53           | 117           | 0         | 70           |
| Unspecified       | 67            | 0         | 17           | 86            | 0         | 18           | 76            | 0         | 15           | 78            | 0         | 25           | 67            | 0         | 15           |

Source: New York State Dept. of Motor Vehicles  
Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

Due to the difference in data compilation for 2001 and 2002, comparisons with data for these years and prior years will not be possible.

TABLE 32  
**NASSAU COUNTY**  
**CRASHES ON ROAD SYSTEM BY JURISDICTION**

|                   | 1993             |            |               | 1994             |            |               | 1995             |            |               | 1996             |           |               | 1997             |            |               |
|-------------------|------------------|------------|---------------|------------------|------------|---------------|------------------|------------|---------------|------------------|-----------|---------------|------------------|------------|---------------|
|                   | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj.    | Total<br>Crashes | Fatal      | Pers. Inj.    | Total<br>Crashes | Fatal     | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj     |
| <b>Total</b>      | <b>25,426</b>    | <b>104</b> | <b>17,528</b> | <b>25,333</b>    | <b>107</b> | <b>17,418</b> | <b>24,196</b>    | <b>101</b> | <b>16,997</b> | <b>23,951</b>    | <b>75</b> | <b>16,884</b> | <b>26,598</b>    | <b>112</b> | <b>16,828</b> |
| State Routes      | 5,836            | 30         | 4,135         | 5,809            | 30         | 4,054         | 5,470            | 27         | 3,970         | 5,416            | 20        | 3,916         | 5,898            | 31         | 3,818         |
| County Routes     | 12               | 0          | 10            | 27               | 0          | 21            | 48               | 0          | 38            | 21               | 0         | 13            | 22               | 1          | 10            |
| Town Routes       | 8,737            | 35         | 5,876         | 8,994            | 34         | 6,137         | 8,621            | 39         | 5,895         | 8,455            | 25        | 5,819         | 9,776            | 44         | 5,867         |
| Municipal Streets | 7,107            | 16         | 4,966         | 6,890            | 26         | 4,770         | 6,995            | 23         | 4,988         | 6,751            | 15        | 4,856         | 7,354            | 20         | 4,724         |
| Parkways          | 2,842            | 18         | 1,986         | 2,694            | 14         | 1,874         | 2,190            | 9          | 1,558         | 2,367            | 14        | 1,708         | 2,496            | 13         | 1,801         |
| Thruway           | 2                | 0          | 1             | 3                | 0          | 1             | 4                | 0          | 3             | 5                | 0         | 3             | 3                | 0          | 2             |
| Other Interstate  | 736              | 5          | 515           | 714              | 3          | 497           | 690              | 3          | 496           | 757              | 1         | 532           | 888              | 3          | 558           |
| Unspecified       | 154              | 0          | 39            | 202              | 0          | 64            | 178              | 0          | 49            | 179              | 0         | 37            | 161              | 0          | 48            |
|                   | 1998             |            |               | 1999             |            |               | 2000             |            |               | 2001             |           |               | 2002             |            |               |
|                   | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal     | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj     |
| <b>Total</b>      | <b>33,100</b>    | <b>101</b> | <b>16,933</b> | <b>35,212</b>    | <b>123</b> | <b>16,681</b> | <b>37,716</b>    | <b>94</b>  | <b>17,304</b> | <b>32,297</b>    | <b>93</b> | <b>16,528</b> | <b>25,305</b>    | <b>110</b> | <b>16,959</b> |
| State Routes      | 7,010            | 21         | 3,757         | 7,704            | 33         | 3,749         | 8,346            | 33         | 3,999         | 6,796            | 33        | 3,765         | 5,001            | 35         | 3,508         |
| County Routes     | 35               | 0          | 22            | 82               | 0          | 33            | 105              | 0          | 57            | 133              | 1         | 75            | 131              | 0          | 96            |
| Town Routes       | 12,678           | 39         | 6,089         | 13,035           | 46         | 5,751         | 13,875           | 26         | 5,911         | 12,522           | 29        | 6,006         | 9,592            | 31         | 6,348         |
| Municipal Streets | 8,959            | 20         | 4,760         | 9,503            | 21         | 4,745         | 10,135           | 22         | 4,893         | 8,432            | 18        | 4,402         | 7,021            | 28         | 4,691         |
| Parkways          | 3,384            | 20         | 1,808         | 3,757            | 23         | 1,887         | 4,018            | 8          | 1,903         | 3,379            | 9         | 1,799         | 2,473            | 15         | 1,741         |
| Thruway           | 4                | 0          | 1             | 1                | 0          | 1             | 8                | 0          | 2             | 0                | 0         | 0             | 6                | 0          | 3             |
| Other Interstate  | 894              | 1          | 446           | 964              | 0          | 470           | 1,081            | 5          | 500           | 749              | 3         | 368           | 637              | 1          | 434           |
| Unspecified       | 136              | 0          | 50            | 166              | 0          | 45            | 148              | 0          | 39            | 286              | 0         | 113           | 444              | 0          | 138           |

Source: New York State Dept. of Motor Vehicles  
Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

Due to the difference in data compilation for 2001 and 2002, comparisons with data for these years and prior years will not be possible.

TABLE 33  
**ORANGE COUNTY**  
**CRASHES ON ROAD SYSTEM BY JURISDICTION**

|                   | 1993          |           |              | 1994          |           |              | 1995          |           |              | 1996          |           |              | 1997          |           |              |
|-------------------|---------------|-----------|--------------|---------------|-----------|--------------|---------------|-----------|--------------|---------------|-----------|--------------|---------------|-----------|--------------|
|                   | 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    |
| <b>Total</b>      | <b>5,301</b>  | <b>38</b> | <b>3,731</b> | <b>5,686</b>  | <b>47</b> | <b>3,829</b> | <b>5,260</b>  | <b>35</b> | <b>3,631</b> | <b>5,404</b>  | <b>37</b> | <b>3,674</b> | <b>5,528</b>  | <b>39</b> | <b>3,324</b> |
| State Routes      | 2,551         | 23        | 1,827        | 2,707         | 26        | 1,896        | 2,387         | 19        | 1,672        | 2,515         | 16        | 1,784        | 2,435         | 18        | 1,501        |
| County Routes     | 627           | 5         | 440          | 678           | 7         | 448          | 682           | 4         | 464          | 713           | 8         | 478          | 766           | 7         | 457          |
| Town Routes       | 690           | 6         | 458          | 671           | 6         | 423          | 717           | 7         | 493          | 615           | 5         | 402          | 705           | 6         | 420          |
| Municipal Streets | 999           | 1         | 736          | 1,134         | 1         | 757          | 1,010         | 1         | 731          | 995           | 1         | 684          | 1,074         | 5         | 671          |
| Parkways          | 46            | 1         | 22           | 22            | 1         | 13           | 32            | 0         | 20           | 51            | 0         | 31           | 38            | 0         | 22           |
| Thruway           | 164           | 1         | 114          | 196           | 3         | 135          | 181           | 2         | 100          | 197           | 2         | 124          | 196           | 1         | 100          |
| Other Interstate  | 162           | 1         | 116          | 229           | 3         | 148          | 224           | 2         | 140          | 249           | 5         | 148          | 229           | 2         | 125          |
| Unspecified       | 62            | 0         | 18           | 49            | 0         | 9            | 27            | 0         | 11           | 69            | 0         | 23           | 85            | 0         | 28           |
|                   | 1998          |           |              | 1999          |           |              | 2000          |           |              | 2001          |           |              | 2002          |           |              |
|                   | 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    |
| <b>Total</b>      | <b>6,866</b>  | <b>31</b> | <b>3,364</b> | <b>8,204</b>  | <b>43</b> | <b>3,511</b> | <b>9,604</b>  | <b>30</b> | <b>3,662</b> | <b>8,183</b>  | <b>36</b> | <b>3,524</b> | <b>5,870</b>  | <b>43</b> | <b>3,831</b> |
| State Routes      | 3,223         | 19        | 1,617        | 3,776         | 25        | 1,648        | 4,317         | 15        | 1,726        | 3,569         | 21        | 1,629        | 2,648         | 21        | 1,752        |
| County Routes     | 837           | 6         | 431          | 1,060         | 2         | 465          | 1,114         | 6         | 435          | 714           | 4         | 274          | 465           | 2         | 320          |
| Town Routes       | 874           | 1         | 395          | 1,156         | 5         | 435          | 1,410         | 4         | 489          | 1,450         | 4         | 594          | 997           | 7         | 622          |
| Municipal Streets | 1,280         | 3         | 655          | 1,429         | 5         | 688          | 1,836         | 0         | 723          | 1,606         | 2         | 696          | 1,129         | 2         | 787          |
| Parkways          | 35            | 0         | 17           | 50            | 1         | 18           | 60            | 0         | 17           | 45            | 1         | 23           | 28            | 0         | 19           |
| Thruway           | 270           | 1         | 115          | 352           | 3         | 107          | 385           | 1         | 117          | 309           | 4         | 118          | 242           | 4         | 138          |
| Other Interstate  | 271           | 1         | 116          | 337           | 2         | 138          | 401           | 4         | 142          | 339           | 0         | 141          | 266           | 6         | 169          |
| Unspecified       | 76            | 0         | 18           | 44            | 0         | 12           | 81            | 0         | 13           | 151           | 0         | 49           | 95            | 1         | 24           |

Source: New York State Dept. of Motor Vehicles  
Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

Due to the difference in data compilation for 2001 and 2002, comparisons with data for these years and prior years will not be possible.

TABLE 34  
**PUTNAM COUNTY**  
**CRASHES ON ROAD SYSTEM BY JURISDICTION**

|                   | 1993          |           |              | 1994          |           |              | 1995          |           |            | 1996          |           |              | 1997          |           |              |
|-------------------|---------------|-----------|--------------|---------------|-----------|--------------|---------------|-----------|------------|---------------|-----------|--------------|---------------|-----------|--------------|
|                   | 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    |
| <b>Total</b>      | <b>1,629</b>  | <b>13</b> | <b>1,046</b> | <b>1,744</b>  | <b>16</b> | <b>1,075</b> | <b>1,545</b>  | <b>12</b> | <b>960</b> | <b>1,688</b>  | <b>16</b> | <b>1,030</b> | <b>1,773</b>  | <b>13</b> | <b>1,033</b> |
| State Routes      | 776           | 3         | 493          | 878           | 10        | 578          | 790           | 7         | 505        | 778           | 9         | 513          | 874           | 4         | 537          |
| County Routes     | 302           | 7         | 207          | 273           | 2         | 169          | 253           | 2         | 177        | 296           | 2         | 194          | 305           | 4         | 195          |
| Town Routes       | 258           | 2         | 157          | 273           | 1         | 154          | 255           | 0         | 149        | 283           | 0         | 155          | 245           | 0         | 139          |
| Municipal Streets | 10            | 0         | 3            | 26            | 0         | 14           | 9             | 0         | 4          | 15            | 0         | 6            | 32            | 0         | 11           |
| Parkways          | 149           | 1         | 102          | 140           | 2         | 82           | 94            | 0         | 52         | 164           | 4         | 87           | 137           | 2         | 57           |
| Thruway           | 3             | 0         | 0            | 0             | 0         | 0            | 0             | 0         | 0          | 0             | 0         | 0            | 0             | 0         | 0            |
| Other Interstate  | 130           | 0         | 84           | 146           | 1         | 78           | 135           | 3         | 70         | 140           | 1         | 75           | 174           | 3         | 93           |
| Unspecified       | 1             | 0         | 0            | 8             | 0         | 0            | 9             | 0         | 3          | 12            | 0         | 0            | 6             | 0         | 1            |
|                   | 1998          |           |              | 1999          |           |              | 2000          |           |            | 2001          |           |              | 2002          |           |              |
|                   | 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    |
| <b>Total</b>      | <b>1,936</b>  | <b>12</b> | <b>910</b>   | <b>2,141</b>  | <b>15</b> | <b>954</b>   | <b>2,649</b>  | <b>10</b> | <b>959</b> | <b>2,344</b>  | <b>10</b> | <b>950</b>   | <b>1,531</b>  | <b>12</b> | <b>874</b>   |
| State Routes      | 910           | 3         | 463          | 848           | 10        | 409          | 1,208         | 7         | 486        | 1,119         | 5         | 493          | 653           | 7         | 409          |
| County Routes     | 344           | 2         | 183          | 382           | 2         | 184          | 397           | 1         | 160        | 259           | 2         | 114          | 136           | 3         | 84           |
| Town Routes       | 291           | 3         | 131          | 370           | 1         | 181          | 464           | 1         | 158        | 534           | 0         | 195          | 386           | 2         | 200          |
| Municipal Streets | 23            | 0         | 13           | 21            | 0         | 9            | 35            | 0         | 10         | 27            | 0         | 5            | 48            | 0         | 9            |
| Parkways          | 182           | 0         | 50           | 222           | 1         | 81           | 242           | 0         | 63         | 153           | 2         | 63           | 124           | 0         | 73           |
| Thruway           | 0             | 0         | 0            | 0             | 0         | 0            | 0             | 0         | 0          | 0             | 0         | 0            | 2             | 0         | 2            |
| Other Interstate  | 173           | 4         | 66           | 284           | 1         | 86           | 288           | 1         | 80         | 230           | 1         | 78           | 144           | 0         | 89           |
| Unspecified       | 13            | 0         | 4            | 14            |           | 4            | 15            | 0         | 2          | 22            | 0         | 2            | 38            | 0         | 8            |

Source: New York State Dept. of Motor Vehicles  
Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

Due to the difference in data compilation for 2001 and 2002, comparisons with data for these years and prior years will not be possible.

TABLE 35  
**ROCKLAND COUNTY**  
**CRASHES ON ROAD SYSTEM BY JURISDICTION**

|                   | 1993             |           |              | 1994             |           |              | 1995             |           |              | 1996             |           |              | 1997             |           |              |
|-------------------|------------------|-----------|--------------|------------------|-----------|--------------|------------------|-----------|--------------|------------------|-----------|--------------|------------------|-----------|--------------|
|                   | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj.   | Total<br>Crashes | Fatal     | Pers. Inj.   | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj    |
| <b>Total</b>      | <b>4,641</b>     | <b>19</b> | <b>3,153</b> | <b>4,969</b>     | <b>25</b> | <b>3,305</b> | <b>4,722</b>     | <b>20</b> | <b>3,162</b> | <b>4,935</b>     | <b>14</b> | <b>3,206</b> | <b>4,748</b>     | <b>26</b> | <b>2,998</b> |
| State Routes      | 1,857            | 10        | 1,324        | 1,805            | 7         | 1,273        | 1,761            | 5         | 1,244        | 1,781            | 8         | 1,265        | 1,806            | 11        | 1,183        |
| County Routes     | 889              | 3         | 615          | 952              | 5         | 651          | 842              | 6         | 546          | 936              | 1         | 593          | 810              | 4         | 514          |
| Town Routes       | 772              | 3         | 487          | 843              | 2         | 493          | 908              | 4         | 559          | 883              | 1         | 504          | 830              | 3         | 489          |
| Municipal Streets | 434              | 1         | 303          | 496              | 4         | 345          | 506              | 1         | 362          | 543              | 1         | 365          | 542              | 1         | 354          |
| Parkways          | 305              | 1         | 189          | 387              | 2         | 250          | 338              | 4         | 206          | 370              | 2         | 215          | 350              | 4         | 219          |
| Thruway           | 355              | 1         | 229          | 445              | 5         | 278          | 332              | 0         | 233          | 394              | 1         | 256          | 380              | 3         | 226          |
| Other Interstate  | 0                | 0         | 0            | 2                | 0         | 0            | 13               | 0         | 5            | 9                | 0         | 3            | 6                | 0         | 4            |
| Unspecified       | 29               | 0         | 6            | 39               | 0         | 15           | 22               | 0         | 7            | 19               | 0         | 5            | 24               | 0         | 9            |

|                   | 1998             |           |              | 1999             |           |              | 2000             |           |              | 2001             |           |              | 2002             |           |              |
|-------------------|------------------|-----------|--------------|------------------|-----------|--------------|------------------|-----------|--------------|------------------|-----------|--------------|------------------|-----------|--------------|
|                   | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj    |
| <b>Total</b>      | <b>5,279</b>     | <b>26</b> | <b>2,849</b> | <b>6,395</b>     | <b>22</b> | <b>2,929</b> | <b>7,262</b>     | <b>18</b> | <b>3,160</b> | <b>6,069</b>     | <b>20</b> | <b>2,990</b> | <b>4,702</b>     | <b>25</b> | <b>2,970</b> |
| State Routes      | 1,986            | 11        | 1,176        | 2,216            | 13        | 1,119        | 2,534            | 6         | 1,219        | 2,100            | 6         | 1,153        | 1,661            | 7         | 1,128        |
| County Routes     | 861              | 2         | 484          | 1,024            | 3         | 470          | 1,002            | 3         | 469          | 542              | 2         | 267          | 517              | 2         | 330          |
| Town Routes       | 883              | 4         | 447          | 1,089            | 0         | 454          | 1,265            | 0         | 522          | 1,419            | 4         | 675          | 1,100            | 6         | 633          |
| Municipal Streets | 608              | 2         | 320          | 653              | 2         | 322          | 761              | 2         | 353          | 762              | 3         | 377          | 551              | 1         | 375          |
| Parkways          | 355              | 3         | 191          | 585              | 3         | 255          | 728              | 2         | 260          | 371              | 2         | 161          | 266              | 6         | 163          |
| Thruway           | 558              | 4         | 224          | 791              | 1         | 298          | 893              | 5         | 312          | 749              | 3         | 309          | 491              | 3         | 306          |
| Other Interstate  | 3                | 0         | 1            | 5                | 0         | 2            | 10               | 0         | 2            | 12               | 0         | 5            | 5                | 0         | 1            |
| Unspecified       | 25               | 0         | 6            | 32               | 0         | 9            | 69               | 0         | 23           | 114              | 0         | 43           | 111              | 0         | 34           |

Source: New York State Dept. of Motor Vehicles  
Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

Due to the difference in data compilation for 2001 and 2002, comparisons with data for these years and prior years will not be possible.

TABLE 36  
SUFFOLK COUNTY  
CRASHES ON ROAD SYSTEM BY JURISDICTION

|                   | 1993             |            |               | 1994             |            |               | 1995             |            |               | 1996             |            |               | 1997             |            |               |
|-------------------|------------------|------------|---------------|------------------|------------|---------------|------------------|------------|---------------|------------------|------------|---------------|------------------|------------|---------------|
|                   | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj.    | Total<br>Crashes | Fatal      | Pers. Inj.    | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj     |
| <b>Total</b>      | <b>23,319</b>    | <b>181</b> | <b>16,486</b> | <b>23,388</b>    | <b>146</b> | <b>16,437</b> | <b>21,630</b>    | <b>166</b> | <b>15,483</b> | <b>21,732</b>    | <b>153</b> | <b>15,602</b> | <b>23,261</b>    | <b>147</b> | <b>14,656</b> |
| State Routes      | 8,125            | 60         | 5,744         | 8,127            | 45         | 5,739         | 7,573            | 52         | 5,356         | 7,643            | 54         | 5,497         | 8,084            | 48         | 5,110         |
| County Routes     | 5,382            | 50         | 3,973         | 5,197            | 45         | 3,892         | 4,790            | 41         | 3,603         | 4,890            | 45         | 3,722         | 5,483            | 48         | 3,670         |
| Town Routes       | 7,411            | 53         | 5,165         | 7,612            | 40         | 5,196         | 7,024            | 51         | 4,997         | 6,984            | 41         | 4,898         | 7,422            | 41         | 4,484         |
| Municipal Streets | 796              | 4          | 535           | 841              | 3          | 535           | 796              | 6          | 542           | 796              | 4          | 532           | 856              | 3          | 485           |
| Parkways          | 801              | 10         | 558           | 799              | 7          | 568           | 705              | 10         | 520           | 665              | 4          | 476           | 616              | 3          | 429           |
| Thruway           | 3                | 0          | 3             | 0                | 0          | 0             | 2                | 0          | 2             | 0                | 0          | 0             | 0                | 0          | 0             |
| Other Interstate  | 677              | 4          | 470           | 657              | 6          | 454           | 567              | 6          | 399           | 623              | 5          | 437           | 689              | 4          | 442           |
| Unspecified       | 124              | 0          | 38            | 155              | 0          | 53            | 173              | 0          | 64            | 131              | 0          | 40            | 111              | 0          | 36            |

|                   | 1998             |            |               | 1999             |            |               | 2000             |            |               | 2001             |            |               | 2002             |            |               |
|-------------------|------------------|------------|---------------|------------------|------------|---------------|------------------|------------|---------------|------------------|------------|---------------|------------------|------------|---------------|
|                   | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj     |
| <b>Total</b>      | <b>29,642</b>    | <b>162</b> | <b>14,974</b> | <b>31,405</b>    | <b>153</b> | <b>14,619</b> | <b>34,854</b>    | <b>151</b> | <b>15,233</b> | <b>30,518</b>    | <b>164</b> | <b>15,055</b> | <b>22,742</b>    | <b>151</b> | <b>15,583</b> |
| State Routes      | 10,053           | 54         | 5,134         | 10,596           | 61         | 5,023         | 11,510           | 50         | 5,225         | 10,004           | 59         | 5,165         | 7,436            | 59         | 5,162         |
| County Routes     | 6,851            | 40         | 3,756         | 7,279            | 44         | 3,661         | 7,838            | 43         | 3,710         | 6,096            | 33         | 3,122         | 3,094            | 29         | 2,236         |
| Town Routes       | 9,871            | 43         | 4,710         | 10,222           | 32         | 4,505         | 11,785           | 46         | 4,782         | 10,997           | 49         | 5,188         | 9,348            | 49         | 6,414         |
| Municipal Streets | 1,121            | 7          | 475           | 1,325            | 1          | 500           | 1,437            | 2          | 512           | 1,282            | 9          | 530           | 1,082            | 5          | 670           |
| Parkways          | 693              | 9          | 391           | 886              | 9          | 451           | 1,040            | 6          | 489           | 902              | 7          | 473           | 749              | 4          | 521           |
| Thruway           | 0                | 0          | 0             | 1                | 0          | 1             | 2                | 0          | 0             | 0                | 0          | 0             | 5                | 0          | 3             |
| Other Interstate  | 901              | 9          | 478           | 945              | 6          | 447           | 1,044            | 4          | 455           | 911              | 4          | 464           | 604              | 5          | 426           |
| Unspecified       | 152              | 0          | 30            | 151              | 0          | 31            | 198              | 0          | 60            | 326              | 3          | 113           | 424              | 0          | 151           |

Source: New York State Dept. of Motor Vehicles  
Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

Due to the difference in data compilation for 2001 and 2002, comparisons with data for these years and prior years will not be possible.

TABLE 37  
**WESTCHESTER COUNTY**  
**CRASHES ON ROAD SYSTEM BY JURISDICTION**

|                   | 1993             |           |              | 1994             |           |              | 1995             |           |              | 1996             |           |              | 1997             |           |              |
|-------------------|------------------|-----------|--------------|------------------|-----------|--------------|------------------|-----------|--------------|------------------|-----------|--------------|------------------|-----------|--------------|
|                   | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj    |
| <b>Total</b>      | <b>13,673</b>    | <b>57</b> | <b>8,440</b> | <b>14,072</b>    | <b>53</b> | <b>8,884</b> | <b>13,502</b>    | <b>65</b> | <b>8,683</b> | <b>13,992</b>    | <b>63</b> | <b>8,822</b> | <b>14,097</b>    | <b>54</b> | <b>8,577</b> |
| State Routes      | 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        |
| County Routes     | 1,501            | 4         | 988          | 1,392            | 9         | 906          | 1,345            | 6         | 890          | 1,321            | 2         | 889          | 1,226            | 5         | 781          |
| Town Routes       | 1,050            | 4         | 323          | 1,135            | 4         | 667          | 1,052            | 4         | 607          | 1,076            | 5         | 568          | 1,149            | 1         | 588          |
| Municipal Streets | 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        |
| Parkways          | 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        |
| Thruway           | 576              | 2         | 408          | 600              | 2         | 387          | 614              | 5         | 434          | 733              | 2         | 506          | 644              | 2         | 407          |
| Other Interstate  | 545              | 2         | 313          | 562              | 4         | 338          | 524              | 2         | 311          | 575              | 4         | 332          | 628              | 6         | 358          |
| Unspecified       | 111              | 0         | 21           | 132              | 0         | 34           | 133              | 0         | 46           | 139              | 0         | 36           | 148              | 0         | 45           |
|                   | 1998             |           |              | 1999             |           |              | 2000             |           |              | 2001             |           |              | 2002             |           |              |
|                   | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj    | Total<br>Crashes | Fatal     | Pers. Inj    |
| <b>Total</b>      | <b>16,310</b>    | <b>52</b> | <b>8,646</b> | <b>17,451</b>    | <b>51</b> | <b>8,408</b> | <b>19,153</b>    | <b>56</b> | <b>8,672</b> | <b>17,359</b>    | <b>54</b> | <b>8,426</b> | <b>14,060</b>    | <b>72</b> | <b>8,429</b> |
| State Routes      | 4,836            | 13        | 2,502        | 5,175            | 16        | 2,389        | 5,421            | 20        | 2,399        | 4,755            | 15        | 2,271        | 3,297            | 24        | 1,970        |
| County Routes     | 1,374            | 3         | 823          | 1,213            | 4         | 691          | 1,126            | 3         | 595          | 844              | 2         | 461          | 631              | 3         | 394          |
| Town Routes       | 1,351            | 4         | 561          | 1,572            | 7         | 587          | 1,866            | 4         | 655          | 1,958            | 2         | 856          | 1,721            | 4         | 911          |
| Municipal Streets | 4,551            | 13        | 2,878        | 4,896            | 12        | 2,899        | 5,277            | 6         | 2,941        | 5,423            | 10        | 3,013        | 5,298            | 13        | 3,281        |
| Parkways          | 2,420            | 11        | 1,103        | 2,445            | 6         | 1,019        | 2,942            | 14        | 1,232        | 2,141            | 13        | 978          | 1,583            | 19        | 1,052        |
| Thruway           | 710              | 6         | 357          | 946              | 2         | 452          | 1,058            | 4         | 379          | 980              | 4         | 418          | 639              | 7         | 401          |
| Other Interstate  | 846              | 2         | 351          | 990              | 3         | 335          | 1,252            | 5         | 430          | 958              | 8         | 343          | 584              | 2         | 351          |
| Unspecified       | 222              | 0         | 71           | 214              | 1         | 36           | 211              | 0         | 41           | 300              | 0         | 86           | 307              | 0         | 69           |

Source: New York State Dept. of Motor Vehicles  
 Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

Due to the difference in data compilation for 2001 and 2002,  
 comparisons with data for these years and prior years will not be possible.

TABLE 38  
NEW YORK SUBURBS  
CRASHES ON ROAD SYSTEM BY JURISDICTION

|                                                                                                                                           | 1993             |            |               | 1994             |            |               | 1995             |            |               | 1996             |            |               | 1997             |            |               |
|-------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|---------------|------------------|------------|---------------|------------------|------------|---------------|------------------|------------|---------------|------------------|------------|---------------|
|                                                                                                                                           | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj.    | Total<br>Crashes | Fatal      | Pers. Inj.    | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj     |
| <b>Total</b>                                                                                                                              | <b>78,086</b>    | <b>446</b> | <b>53,117</b> | <b>79,512</b>    | <b>424</b> | <b>53,799</b> | <b>74,971</b>    | <b>429</b> | <b>51,716</b> | <b>76,214</b>    | <b>380</b> | <b>52,118</b> | <b>80,736</b>    | <b>422</b> | <b>50,245</b> |
| State Routes                                                                                                                              | 25,213           | 164        | 17,445        | 25,612           | 153        | 17,668        | 23,853           | 151        | 16,647        | 24,417           | 138        | 17,041        | 25,700           | 150        | 16,164        |
| County Routes                                                                                                                             | 9,379            | 77         | 6,667         | 9,171            | 71         | 6,508         | 8,684            | 64         | 6,228         | 8,890            | 60         | 6,356         | 9,413            | 74         | 6,088         |
| Town Routes                                                                                                                               | 19,437           | 108        | 12,805        | 20,077           | 88         | 13,401        | 19,150           | 107        | 13,058        | 18,876           | 78         | 12,693        | 20,690           | 97         | 12,314        |
| Municipal Streets                                                                                                                         | 14,006           | 35         | 9,622         | 14,409           | 46         | 9,628         | 14,081           | 45         | 9,718         | 13,972           | 35         | 9,570         | 14,483           | 39         | 9,275         |
| Parkways                                                                                                                                  | 6,121            | 44         | 4,148         | 5,937            | 36         | 4,006         | 5,251            | 38         | 3,620         | 5,662            | 48         | 3,817         | 5,912            | 36         | 3,833         |
| Thruway                                                                                                                                   | 1,103            | 4          | 755           | 1,246            | 10         | 802           | 1,134            | 7          | 773           | 1,329            | 5          | 889           | 1,224            | 6          | 736           |
| Other Interstate                                                                                                                          | 2,330            | 14         | 1,550         | 2,444            | 20         | 1,603         | 2,263            | 17         | 1,489         | 2,496            | 16         | 1,607         | 2,749            | 20         | 1,656         |
| Unspecified                                                                                                                               | 497              | 0          | 125           | 616              | 0          | 183           | 555              | 0          | 183           | 572              | 0          | 145           | 565              | 0          | 179           |
|                                                                                                                                           | 1998             |            |               | 1999             |            |               | 2000             |            |               | 2001             |            |               | 2002             |            |               |
|                                                                                                                                           | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj     | Total<br>Crashes | Fatal      | Pers. Inj     |
| <b>Total</b>                                                                                                                              | <b>98,948</b>    | <b>411</b> | <b>50,322</b> | <b>107,385</b>   | <b>436</b> | <b>49,920</b> | <b>118,279</b>   | <b>388</b> | <b>51,745</b> | <b>102,691</b>   | <b>416</b> | <b>50,112</b> | <b>78,376</b>    | <b>428</b> | <b>51,296</b> |
| State Routes                                                                                                                              | 30,981           | 132        | 16,046        | 33,577           | 174        | 15,804        | 36,785           | 145        | 16,481        | 31,384           | 156        | 15,893        | 22,710           | 159        | 15,258        |
| County Routes                                                                                                                             | 11,335           | 61         | 6,149         | 12,192           | 60         | 5,974         | 12,772           | 66         | 5,879         | 9,366            | 53         | 4,677         | 5,501            | 41         | 3,791         |
| Town Routes                                                                                                                               | 26,691           | 99         | 12,635        | 28,276           | 93         | 12,237        | 31,656           | 85         | 12,888        | 29,811           | 94         | 13,906        | 23,927           | 104        | 15,595        |
| Municipal Streets                                                                                                                         | 17,103           | 47         | 9,426         | 18,432           | 42         | 9,501         | 20,122           | 32         | 9,726         | 18,204           | 42         | 9,344         | 15,611           | 50         | 10,147        |
| Parkways                                                                                                                                  | 7,363            | 44         | 3,649         | 8,369            | 45         | 3,840         | 9,455            | 31         | 4,078         | 7,246            | 40         | 3,564         | 5,394            | 45         | 3,671         |
| Thruway                                                                                                                                   | 1,545            | 11         | 698           | 2,096            | 6          | 860           | 2,350            | 10         | 810           | 2,038            | 11         | 845           | 1,390            | 14         | 855           |
| Other Interstate                                                                                                                          | 3,239            | 17         | 1,523         | 3,736            | 15         | 1,549         | 4,341            | 19         | 1,690         | 3,365            | 17         | 1,452         | 2,357            | 14         | 1,540         |
| Unspecified                                                                                                                               | 691              | 0          | 196           | 707              | 1          | 155           | 798              | 0          | 193           | 1,277            | 3          | 431           | 1,486            | 1          | 439           |
| Source: New York State Dept. of Motor Vehicles<br>Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research |                  |            |               |                  |            |               |                  |            |               |                  |            |               |                  |            |               |

Due to the difference in data compilation for 2001 and 2002, comparisons with data for these years and prior years will not be possible.

TABLE 39  
DOWNSTATE NEW YORK  
CRASHES ON ROAD SYSTEM BY JURISDICTION

|                   | 1993             |            |                | 1994             |            |                | 1995             |            |                | 1996             |            |                | 1997             |            |                |
|-------------------|------------------|------------|----------------|------------------|------------|----------------|------------------|------------|----------------|------------------|------------|----------------|------------------|------------|----------------|
|                   | Total<br>Crashes | Fatal      | Pers. Inj      | Total<br>Crashes | Fatal      | Pers. Inj.     | Total<br>Crashes | Fatal      | Pers. Inj.     | Total<br>Crashes | Fatal      | Pers. Inj      | Total<br>Crashes | Fatal      | Pers. Inj      |
| <b>Total</b>      | <b>178,518</b>   | <b>923</b> | <b>135,664</b> | <b>178,345</b>   | <b>843</b> | <b>135,032</b> | <b>172,966</b>   | <b>867</b> | <b>133,150</b> | <b>169,807</b>   | <b>760</b> | <b>130,065</b> | <b>173,164</b>   | <b>846</b> | <b>128,401</b> |
| State Routes      | 25,563           | 167        | 17,720         | 25,949           | 154        | 17,954         | 24,264           | 154        | 16,945         | 24,756           | 139        | 17,309         | 26,000           | 154        | 16,402         |
| County Routes     | 9,380            | 77         | 6,667          | 9,174            | 71         | 6,510          | 8,686            | 64         | 6,230          | 8,891            | 60         | 6,356          | 9,413            | 74         | 6,088          |
| Town Routes       | 19,443           | 108        | 12,808         | 20,088           | 89         | 13,409         | 19,158           | 107        | 13,065         | 18,885           | 78         | 12,700         | 20,696           | 97         | 12,319         |
| Municipal Streets | 100,238          | 436        | 81,013         | 99,204           | 395        | 79,878         | 97,764           | 408        | 80,055         | 93,876           | 357        | 76,939         | 93,751           | 377        | 76,943         |
| Parkways          | 12,406           | 89         | 9,099          | 12,085           | 72         | 8,919          | 11,288           | 75         | 8,459          | 11,463           | 75         | 8,495          | 11,777           | 79         | 8,632          |
| Thruway           | 1,105            | 4          | 756            | 1,251            | 10         | 805            | 1,135            | 7          | 773            | 1,331            | 5          | 889            | 1,225            | 6          | 736            |
| Other Interstate  | 9,703            | 42         | 7,383          | 9,829            | 51         | 7,281          | 9,983            | 52         | 7,379          | 9,954            | 46         | 7,192          | 9,647            | 59         | 7,069          |
| Unspecified       | 680              | 0          | 218            | 765              | 1          | 276            | 688              | 0          | 244            | 651              | 0          | 185            | 655              | 0          | 212            |
|                   | 1998             |            |                | 1999             |            |                | 2000             |            |                | 2001             |            |                | 2002             |            |                |
|                   | Total<br>Crashes | Fatal      | Pers. Inj      | Total<br>Crashes | Fatal      | Pers. Inj      | Total<br>Crashes | Fatal      | Pers. Inj      | Total<br>Crashes | Fatal      | Pers. Inj      | Total<br>Crashes | Fatal      | Pers. Inj      |
| <b>Total</b>      | <b>194,069</b>   | <b>768</b> | <b>130,720</b> | <b>224,551</b>   | <b>808</b> | <b>130,751</b> | <b>243,828</b>   | <b>736</b> | <b>135,017</b> | <b>215,328</b>   | <b>768</b> | <b>129,278</b> | <b>171,688</b>   | <b>756</b> | <b>126,824</b> |
| State Routes      | 31,255           | 136        | 16,261         | 33,961           | 177        | 16,042         | 37,174           | 146        | 16,721         | 31,783           | 158        | 16,174         | 23,087           | 163        | 15,544         |
| County Routes     | 11,336           | 61         | 6,149          | 12,197           | 60         | 5,975          | 12,805           | 66         | 5,890          | 9,395            | 53         | 4,691          | 5,514            | 42         | 3,801          |
| Town Routes       | 26,707           | 99         | 12,643         | 28,285           | 94         | 12,241         | 31,670           | 85         | 12,898         | 30,042           | 94         | 14,085         | 24,337           | 104        | 15,935         |
| Municipal Streets | 98,376           | 340        | 78,777         | 117,334          | 343        | 78,631         | 126,338          | 312        | 81,182         | 112,954          | 335        | 76,718         | 94,044           | 309        | 74,215         |
| Parkways          | 13,530           | 76         | 8,664          | 16,129           | 86         | 9,174          | 17,901           | 68         | 9,636          | 14,760           | 72         | 8,679          | 11,986           | 76         | 8,883          |
| Thruway           | 1,547            | 11         | 699            | 2,131            | 6          | 879            | 2,370            | 10         | 823            | 2,038            | 11         | 845            | 1,408            | 14         | 869            |
| Other Interstate  | 10,525           | 45         | 7,290          | 13,713           | 41         | 7,602          | 14,631           | 49         | 7,592          | 12,510           | 42         | 7,184          | 9,609            | 47         | 7,015          |
| Unspecified       | 793              | 0          | 237            | 801              | 1          | 207            | 939              | 0          | 275            | 1,846            | 3          | 902            | 1,703            | 1          | 562            |

Source: New York State Dept. of Motor Vehicles  
Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

Due to the difference in data compilation for 2001 and 2002, comparisons with data for these years and prior years will not be possible.

TABLE 40  
**NEW YORK STATE**  
**CRASHES ON ROAD SYSTEM BY JURISDICTION**

|                   | 1993             |              |                | 1994             |              |                | 1995             |              |                | 1996             |              |                | 1997             |              |                |
|-------------------|------------------|--------------|----------------|------------------|--------------|----------------|------------------|--------------|----------------|------------------|--------------|----------------|------------------|--------------|----------------|
|                   | Total<br>Crashes | Fatal        | Pers. Inj      | Total<br>Crashes | Fatal        | Pers. Inj      | Total<br>Crashes | Fatal        | Pers. Inj      | Total<br>Crashes | Fatal        | Pers. Inj      | Total<br>Crashes | Fatal        | Pers. Inj      |
| <b>Total</b>      | <b>256,741</b>   | <b>1,621</b> | <b>192,277</b> | <b>258,612</b>   | <b>1,521</b> | <b>191,035</b> | <b>252,663</b>   | <b>1,545</b> | <b>188,926</b> | <b>249,911</b>   | <b>1,446</b> | <b>185,289</b> | <b>262,965</b>   | <b>1,487</b> | <b>182,188</b> |
| State Routes      | 58,639           | 536          | 41,707         | 59,147           | 524          | 41,280         | 57,184           | 499          | 40,151         | 58,454           | 496          | 40,634         | 63,449           | 496          | 39,198         |
| County Routes     | 21,895           | 235          | 15,786         | 21,566           | 200          | 15,384         | 21,353           | 214          | 15,165         | 21,733           | 205          | 15,246         | 23,941           | 209          | 14,726         |
| Town Routes       | 26,003           | 188          | 17,623         | 27,331           | 170          | 18,323         | 26,730           | 188          | 18,153         | 26,321           | 158          | 17,555         | 29,387           | 170          | 17,356         |
| Municipal Streets | 121,901          | 497          | 96,952         | 121,776          | 448          | 95,967         | 119,405          | 476          | 95,802         | 114,903          | 424          | 92,118         | 116,777          | 432          | 91,326         |
| Parkways          | 12,548           | 90           | 9,183          | 12,243           | 73           | 9,018          | 11,408           | 75           | 8,523          | 11,608           | 77           | 8,574          | 11,948           | 81           | 8,693          |
| Thruway           | 2,560            | 23           | 1,719          | 2,805            | 31           | 1,701          | 2,774            | 26           | 1,725          | 2,989            | 19           | 1,881          | 3,229            | 23           | 1,706          |
| Other Interstate  | 12,091           | 52           | 8,965          | 12,470           | 74           | 8,939          | 12,695           | 67           | 9,039          | 12,771           | 67           | 8,946          | 13,013           | 76           | 8,828          |
| Unspecified       | 1,104            | 0            | 342            | 1,274            | 1            | 423            | 1,114            | 0            | 368            | 1,132            | 0            | 335            | 1,221            | 0            | 355            |
|                   | 1998             |              |                | 1999             |              |                | 2000             |              |                | 2001             |              |                | 2002             |              |                |
|                   | Total<br>Crashes | Fatal        | Pers. Inj      | Total<br>Crashes | Fatal        | Pers. Inj      | Total<br>Crashes | Fatal        | Pers. Inj      | Total<br>Crashes | Fatal        | Pers. Inj      | Total<br>Crashes | Fatal        | Pers. Inj      |
| <b>Total</b>      | <b>305,827</b>   | <b>1,391</b> | <b>181,438</b> | <b>355,915</b>   | <b>1,451</b> | <b>182,408</b> | <b>391,064</b>   | <b>1,355</b> | <b>188,425</b> | <b>331,979</b>   | <b>1,431</b> | <b>178,772</b> | <b>253,710</b>   | <b>1,390</b> | <b>179,132</b> |
| State Routes      | 77,406           | 448          | 37,526         | 89,026           | 497          | 38,177         | 98,058           | 453          | 39,421         | 78,269           | 489          | 36,384         | 53,608           | 464          | 35,820         |
| County Routes     | 29,398           | 217          | 14,299         | 33,144           | 232          | 14,004         | 36,151           | 205          | 14,222         | 23,106           | 183          | 10,576         | 14,688           | 161          | 9,730          |
| Town Routes       | 37,274           | 160          | 17,222         | 41,289           | 163          | 16,995         | 47,618           | 164          | 18,137         | 47,022           | 203          | 20,911         | 37,411           | 210          | 24,009         |
| Municipal Streets | 127,583          | 403          | 92,748         | 150,049          | 387          | 92,391         | 162,121          | 366          | 95,097         | 142,085          | 375          | 89,795         | 114,624          | 370          | 88,068         |
| Parkways          | 13,754           | 76           | 8,721          | 16,428           | 87           | 9,246          | 18,216           | 68           | 9,712          | 14,933           | 73           | 8,742          | 12,330           | 76           | 9,072          |
| Thruway           | 4,075            | 27           | 1,649          | 5,419            | 23           | 1,857          | 6,132            | 27           | 1,853          | 4,820            | 34           | 1,767          | 3,281            | 26           | 1,947          |
| Other Interstate  | 14,767           | 60           | 8,830          | 18,918           | 61           | 9,340          | 20,716           | 72           | 9,464          | 17,638           | 70           | 9,074          | 13,451           | 78           | 9,263          |
| Unspecified       | 1,570            | 0            | 443            | 1,642            | 1            | 398            | 2,052            | 0            | 519            | 4,106            | 4            | 1,523          | 4,317            | 5            | 1,223          |

Source: New York State Dept. of Motor Vehicles  
Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

Due to the difference in data compilation for 2001 and 2002,  
comparisons with data for these years and prior years will not be possible.

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

|                   | 1993          |       |           | 1994          |       |           | 1995          |       |           | 1996          |       |           | 1997          |       |           |
|-------------------|---------------|-------|-----------|---------------|-------|-----------|---------------|-------|-----------|---------------|-------|-----------|---------------|-------|-----------|
|                   | 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             | 69.5          | 56.9  | 70.6      | 69.0          | 55.4  | 70.7      | 68.5          | 56.1  | 70.5      | 67.9          | 52.6  | 70.2      | 65.9          | 56.9  | 70.5      |
| State Routes      | 43.6          | 31.2  | 42.5      | 43.9          | 29.4  | 43.5      | 42.4          | 30.9  | 42.2      | 42.4          | 28.0  | 42.6      | 41.0          | 31.0  | 41.8      |
| County Routes     | 42.8          | 32.8  | 42.2      | 42.5          | 35.5  | 42.3      | 40.7          | 29.9  | 41.1      | 40.9          | 29.3  | 41.7      | 39.3          | 35.4  | 41.3      |
| Town Routes       | 74.8          | 57.4  | 72.7      | 73.5          | 52.4  | 73.2      | 71.7          | 56.9  | 72.0      | 71.7          | 49.4  | 72.3      | 70.4          | 57.1  | 71.0      |
| Municipal Streets | 82.2          | 87.7  | 83.6      | 81.5          | 88.2  | 83.2      | 81.9          | 85.7  | 83.6      | 81.7          | 84.2  | 83.5      | 80.3          | 87.3  | 84.3      |
| Parkways          | 98.9          | 98.9  | 99.1      | 98.7          | 98.6  | 98.9      | 98.9          | 100.0 | 99.2      | 98.8          | 97.4  | 99.1      | 98.6          | 97.5  | 99.3      |
| Thruway           | 43.2          | 17.4  | 44.0      | 44.6          | 32.3  | 47.3      | 40.9          | 26.9  | 44.8      | 44.5          | 26.3  | 47.3      | 37.9          | 26.1  | 43.1      |
| Other Interstate  | 80.2          | 80.8  | 82.4      | 78.8          | 68.9  | 81.5      | 78.6          | 77.6  | 81.6      | 77.9          | 68.7  | 80.4      | 74.1          | 77.6  | 80.1      |
| Unspecified       | 61.6          | 0.0   | 63.7      | 60.0          | 100.0 | 65.2      | 61.8          | 0.0   | 66.3      | 57.5          | 0.0   | 55.2      | 53.6          | 0.0   | 59.7      |
|                   | 1998          |       |           | 1999          |       |           | 2000          |       |           | 2001          |       |           | 2002          |       |           |
|                   | 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             | 63.5          | 55.2  | 72.0      | 62.9          | 55.3  | 71.5      | 62.2          | 54.2  | 71.5      | 64.9          | 53.7  | 72.3      | 67.7          | 54.4  | 70.8      |
| State Routes      | 40.4          | 30.4  | 43.3      | 38.1          | 35.6  | 42.0      | 37.9          | 32.2  | 42.4      | 40.6          | 32.3  | 44.5      | 43.1          | 35.1  | 43.4      |
| County Routes     | 38.6          | 28.1  | 43.0      | 36.8          | 25.9  | 42.7      | 35.4          | 32.2  | 41.4      | 40.7          | 29.0  | 44.4      | 37.5          | 26.1  | 39.1      |
| Town Routes       | 71.7          | 61.9  | 73.4      | 68.5          | 57.7  | 72.0      | 66.5          | 51.8  | 71.1      | 63.9          | 46.3  | 67.4      | 65.1          | 49.5  | 66.4      |
| Municipal Streets | 77.1          | 84.4  | 84.9      | 78.2          | 88.6  | 85.1      | 77.9          | 85.2  | 85.4      | 79.5          | 89.3  | 85.4      | 82.0          | 83.5  | 84.3      |
| Parkways          | 98.4          | 100.0 | 99.3      | 98.2          | 98.9  | 99.2      | 98.3          | 100.0 | 99.2      | 98.8          | 98.6  | 99.3      | 97.2          | 100.0 | 97.9      |
| Thruway           | 38.0          | 40.7  | 42.4      | 39.3          | 26.1  | 47.3      | 38.6          | 37.0  | 44.4      | 42.3          | 32.4  | 47.8      | 42.9          | 53.8  | 44.6      |
| Other Interstate  | 71.3          | 75.0  | 82.6      | 72.5          | 67.2  | 81.4      | 70.6          | 68.1  | 80.2      | 70.9          | 60.0  | 79.2      | 71.4          | 60.3  | 75.7      |
| Unspecified       | 50.5          | 0.0   | 53.5      | 48.8          | 100.0 | 52.0      | 45.8          | 0.0   | 53.0      | 45.0          | 75.0  | 59.2      | 39.4          | 20.0  | 46.0      |

Source: New York State Dept. of Motor Vehicles  
Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research

Due to the difference in data compilation for 2001 and 2002, comparisons with data for these years and prior years will not be possible.

TABLE 42  
**2002 CRASHES BY CENTERLINE MILES**

|                                                                                                                                                                                                            | Centerline Miles<br>By County & Route |                 |                 | Percent of<br>Centerline Miles By<br>County & Route |              |              | Accidents<br>By County & Route |                |               | Percent of<br>Accidents By<br>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          | 19                             | 14,630         | 0             | 5.0                                          | 15.7         | 0.0          |
| Kings                                                                                                                                                                                                      | 19.1                                  | 1,491.5         | 0.0             | 13.6                                                | 25.7         | 0.0          | 83                             | 27,650         | 0             | 22.0                                         | 29.8         | 0.0          |
| New York                                                                                                                                                                                                   | 14.5                                  | 517.3           | 0.0             | 10.3                                                | 8.9          | 0.0          | 100                            | 16,613         | 0             | 26.5                                         | 17.9         | 0.0          |
| Queens                                                                                                                                                                                                     | 54.1                                  | 2,353.3         | 0.0             | 38.4                                                | 40.5         | 0.0          | 65                             | 28,843         | 0             | 17.2                                         | 31.0         | 0.0          |
| Richmond                                                                                                                                                                                                   | 21.5                                  | 711.7           | 0.0             | 15.3                                                | 12.3         | 0.0          | 110                            | 5,188          | 0             | 29.2                                         | 5.6          | 0.0          |
| <b>NEW YORK CITY</b>                                                                                                                                                                                       | <b>140.9</b>                          | <b>5,808.0</b>  | <b>0.0</b>      | <b>100.0</b>                                        | <b>100.0</b> | <b>0.0</b>   | <b>377</b>                     | <b>92,924</b>  | <b>0</b>      | <b>100.0</b>                                 | <b>100.0</b> | <b>0.0</b>   |
| Dutchess                                                                                                                                                                                                   | 370.5                                 | 1,597.9         | 393.2           | 17.1                                                | 9.3          | 18.7         | 2,014                          | 1,625          | 527           | 8.9                                          | 3.2          | 9.6          |
| Nassau                                                                                                                                                                                                     | 214.1                                 | 3,404.7         | 499.5           | 9.9                                                 | 19.8         | 23.8         | 5,001                          | 20,173         | 131           | 22.0                                         | 40.2         | 2.4          |
| Orange                                                                                                                                                                                                     | 398.1                                 | 1,725.7         | 314.9           | 18.4                                                | 10.0         | 15.0         | 2,648                          | 2,757          | 465           | 11.7                                         | 5.5          | 8.5          |
| Putnam                                                                                                                                                                                                     | 133.8                                 | 572.2           | 117.5           | 6.2                                                 | 3.3          | 5.6          | 653                            | 742            | 136           | 2.9                                          | 1.5          | 2.5          |
| Rockland                                                                                                                                                                                                   | 98.2                                  | 826.8           | 168.4           | 4.5                                                 | 4.8          | 8.0          | 1,661                          | 2,524          | 517           | 7.3                                          | 5.0          | 9.4          |
| Suffolk                                                                                                                                                                                                    | 497.6                                 | 6,371.3         | 432.3           | 23.0                                                | 37.0         | 20.6         | 7,436                          | 12,212         | 3,094         | 32.7                                         | 24.3         | 56.2         |
| Westchester                                                                                                                                                                                                | 452.1                                 | 2,705.2         | 175.8           | 20.9                                                | 15.7         | 8.4          | 3,297                          | 10,132         | 631           | 14.5                                         | 20.2         | 11.5         |
| <b>NEW YORK SUBURBS</b>                                                                                                                                                                                    | <b>2,164.3</b>                        | <b>17,203.8</b> | <b>2,101.7</b>  | <b>100.0</b>                                        | <b>100.0</b> | <b>100.0</b> | <b>22,710</b>                  | <b>50,165</b>  | <b>5,501</b>  | <b>100.0</b>                                 | <b>100.0</b> | <b>100.0</b> |
| <b>DOWNSTATE NY</b>                                                                                                                                                                                        | <b>2,305.2</b>                        | <b>23,011.8</b> | <b>2,101.7</b>  |                                                     |              |              | <b>23,087</b>                  | <b>143,089</b> | <b>5,501</b>  |                                              |              |              |
| <b>NEW YORK STATE</b>                                                                                                                                                                                      | <b>15,656.6</b>                       | <b>76,073.0</b> | <b>20,393.3</b> |                                                     |              |              | <b>53,608</b>                  | <b>185,414</b> | <b>14,688</b> |                                              |              |              |
| <b>Downstate % of NYS</b>                                                                                                                                                                                  | <b>14.7</b>                           | <b>30.2</b>     | <b>10.3</b>     |                                                     |              |              | <b>43.1</b>                    | <b>77.2</b>    | <b>37.5</b>   |                                              |              |              |
| <b>Where: A = State Route, B = Town Village or City Route, C = County Route</b><br>Source: New York State Dept. of Motor Vehicles<br>Data compiled by Institute for Traffic Safety Management and Research |                                       |                 |                 |                                                     |              |              |                                |                |               |                                              |              |              |

Notes on reading this chart:

1. 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.
2. 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.
3. Accidents by county and route are the number of accidents by county for route type. For example, Kings county had 83 accidents on state routes while Dutchess had 2,014 accidents on state routes. But Kings county has 19.1 miles of state route while Dutchess has 370.5 miles of state route.
4. Percent of accidents by county and route indicates the percent of accidents by route in an area. For example the Bronx had 5.0% of the accidents in New York City on state routes.
5. 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 5.0% of the accidents on New York City state route roads.  
Kings county has 13.6% of the New York City state route roads but 22.0% of the accidents on New York City state route roads.

TABLE 43  
**TWO VEHICLE CRASHES**  
**BY MANNER OF COLLISION**

|             | 2000           |               |               | 2001           |               |               | 2002           |               |               |
|-------------|----------------|---------------|---------------|----------------|---------------|---------------|----------------|---------------|---------------|
|             | New York State | Suburbs       | New York City | New York State | Suburbs       | New York City | New York State | Suburbs       | New York City |
| Rear End    | 86,821         | 30,757        | 29,482        | 73,007         | 26,227        | 26,139        | 54,064         | 19,504        | 20,426        |
| Overtaking  | 42,633         | 12,339        | 20,438        | 30,340         | 9,002         | 14,715        | 10,094         | 2,745         | 5,483         |
| Left Turn   | 26,580         | 9,738         | 7,474         | 21,030         | 7,949         | 6,366         | 14,838         | 5,508         | 4,809         |
| Right Angle | 62,829         | 19,620        | 21,614        | 51,719         | 16,333        | 18,076        | 35,192         | 10,744        | 14,298        |
| Right Turn  | 7,285          | 2,483         | 2,660         | 5,566          | 1,898         | 2,255         | 3,323          | 1,093         | 1,359         |
| Head On     | 4,193          | 1,458         | 921           | 3,495          | 1,279         | 740           | 2,328          | 821           | 622           |
| Sideswipe   | 8,406          | 2,760         | 2,428         | 5,885          | 2,032         | 1,704         | 2,966          | 958           | 1,086         |
| All Other   | 15,462         | 4,360         | 6,461         | 25,932         | 8,174         | 10,033        | 5,072          | 1,697         | 1,929         |
| Unknown     |                |               |               |                |               |               | 36,138         | 11,590        | 13,979        |
|             | <b>254,209</b> | <b>83,515</b> | <b>91,478</b> | <b>216,974</b> | <b>72,894</b> | <b>80,028</b> | <b>164,015</b> | <b>54,660</b> | <b>63,991</b> |

Source: New York State Dept. of Motor Vehicles; 2001-2002 Institute for Traffic Safety and Research  
 Data compiled for 2001 and 2002 by Institute for Traffic Safety Management and Research  
 Two vehicle accidents include parked vehicles

Due to changes in data collection and reporting protocols with respect to property damage only crashes, data on the total number of crashes in the years 2000 and 2001 are not comparable to 2002 data.

TABLE 44  
**2002 VEHICLE CRASHES**  
**BY DAY OF WEEK**

|                         | Sunday        | Monday        | Tuesday       | Wednesday     | Thursday      | Friday        | Saturday      |
|-------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Bronx                   | 1,742         | 2,099         | 2,074         | 2,012         | 2,154         | 2,360         | 2,212         |
| Kings                   | 3,434         | 3,951         | 4,027         | 3,960         | 4,119         | 4,336         | 3,909         |
| New York                | 2,184         | 2,237         | 2,345         | 2,310         | 2,486         | 2,684         | 2,468         |
| Queens                  | 3,621         | 4,102         | 4,225         | 4,124         | 4,258         | 4,524         | 4,057         |
| Richmond                | 551           | 727           | 737           | 793           | 824           | 905           | 761           |
| <b>NEW YORK CITY</b>    | <b>11,532</b> | <b>13,116</b> | <b>13,408</b> | <b>13,199</b> | <b>13,841</b> | <b>14,809</b> | <b>13,407</b> |
| Dutchess                | 474           | 564           | 598           | 602           | 662           | 669           | 597           |
| Nassau                  | 2,444         | 3,630         | 3,852         | 3,906         | 4,045         | 4,230         | 3,198         |
| Orange                  | 644           | 825           | 852           | 841           | 911           | 1,023         | 774           |
| Putnam                  | 179           | 201           | 195           | 235           | 238           | 261           | 222           |
| Rockland                | 487           | 727           | 676           | 668           | 707           | 789           | 648           |
| Suffolk                 | 2,291         | 3,280         | 3,218         | 3,379         | 3,485         | 3,882         | 3,207         |
| Westchester             | 1,441         | 2,033         | 1,925         | 2,041         | 2,233         | 2,572         | 1,815         |
| <b>NEW YORK SUBURBS</b> | <b>7,960</b>  | <b>11,260</b> | <b>11,316</b> | <b>11,672</b> | <b>12,281</b> | <b>13,426</b> | <b>10,461</b> |
| <b>DOWNSTATE NY</b>     | <b>19,492</b> | <b>24,376</b> | <b>24,724</b> | <b>24,871</b> | <b>26,122</b> | <b>28,235</b> | <b>23,868</b> |
| <b>NEW YORK STATE</b>   | <b>28,344</b> | <b>36,564</b> | <b>36,294</b> | <b>37,164</b> | <b>38,035</b> | <b>42,085</b> | <b>35,224</b> |

Source: New York State Dept. of Motor Vehicles

Data compiled by Institute for Traffic Safety Management and Research

TABLE 45  
**2002 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                     | 696          | 499          | 1,421        | 1,630         | 2,295         | 3,169         | 2,410         | 1,576         | 957          |
| Kings                     | 1,335        | 933          | 2,503        | 3,287         | 4,350         | 5,558         | 4,633         | 3,355         | 1,782        |
| New York                  | 1,046        | 834          | 1,346        | 2,111         | 2,645         | 2,966         | 2,605         | 2,002         | 1,159        |
| Queens                    | 1,448        | 1,050        | 3,038        | 3,496         | 4,506         | 5,622         | 4,555         | 3,215         | 1,981        |
| Richmond                  | 191          | 146          | 536          | 635           | 930           | 1,187         | 835           | 459           | 379          |
| <b>New York City</b>      | <b>4,716</b> | <b>3,462</b> | <b>8,844</b> | <b>11,159</b> | <b>14,726</b> | <b>18,502</b> | <b>15,038</b> | <b>10,607</b> | <b>6,258</b> |
| Dutchess                  | 146          | 152          | 494          | 471           | 738           | 953           | 628           | 285           | 299          |
| Nassau                    | 712          | 572          | 2,646        | 3,441         | 4,728         | 6,092         | 3,557         | 1,742         | 1,815        |
| Orange                    | 211          | 206          | 676          | 673           | 1,040         | 1,414         | 799           | 473           | 378          |
| Putnam                    | 86           | 87           | 187          | 178           | 269           | 321           | 216           | 118           | 69           |
| Rockland                  | 163          | 159          | 550          | 608           | 882           | 1,084         | 647           | 320           | 289          |
| Suffolk                   | 779          | 638          | 2,306        | 2,880         | 4,041         | 5,315         | 3,091         | 1,777         | 1,915        |
| Westchester               | 477          | 477          | 1,657        | 1,902         | 2,414         | 3,167         | 1,916         | 967           | 1,083        |
| <b>New York Suburbs</b>   | <b>2,574</b> | <b>2,291</b> | <b>8,516</b> | <b>10,153</b> | <b>14,112</b> | <b>18,346</b> | <b>10,854</b> | <b>5,682</b>  | <b>5,848</b> |
| <b>Downstate</b>          | 7,290        | 5,753        | 17,360       | 21,312        | 28,838        | 36,848        | 25,892        | 16,289        | 12,106       |
| <b>NY State</b>           | 10,900       | 8,841        | 26,685       | 30,991        | 42,739        | 55,526        | 36,709        | 22,904        | 18,415       |
| <b>Downstate % of NYS</b> | 66.9         | 65.1         | 65.1         | 68.8          | 67.5          | 66.4          | 70.5          | 71.1          | 65.7         |

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

TABLE 46  
TRANSIT ACCIDENTS  
METROPOLITAN TRANSPORTATION AUTHORITY

|                                  | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| <b>BUS TRANSIT</b>               |      |      |      |      |      |      |      |      |      |      |      |
| <b>MTA/NEW YORK CITY TRANSIT</b> |      |      |      |      |      |      |      |      |      |      |      |
| Total Accidents                  | 49   | 63   | 64   | 62   | 46   | 43   | 56   | 47   | 47   | 55   | 52   |
| Fatalities                       | 4    | 10   | 3    | 5    | 6    | 5    | 4    | 9    | 4    | 10   | 9    |
| Injuries                         | 274  | 243  | 282  | 323  | 273  | 208  | 410  | 291  | 351  | 296  | 270  |
| <b>MTA/LONG ISLAND BUS</b>       |      |      |      |      |      |      |      |      |      |      |      |
| Total Accidents                  | 4    | 4    | 6    | 1    | 7    | 3    | 9    | 9    | 6    | 3    | 2    |
| Fatalities                       | 1    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 3    | 1    | 0    |
| Injuries                         | 18   | 18   | 27   | 0    | 29   | 19   | 45   | 62   | 15   | 2    | 7    |
| <b>TOTAL BUS TRANSIT</b>         |      |      |      |      |      |      |      |      |      |      |      |
| Total Accidents                  | 53   | 67   | 70   | 63   | 53   | 46   | 65   | 56   | 53   | 58   | 54   |
| Fatalities                       | 5    | 10   | 3    | 6    | 6    | 5    | 4    | 9    | 7    | 11   | 9    |
| Injuries                         | 292  | 261  | 309  | 323  | 302  | 227  | 455  | 353  | 366  | 298  | 277  |
| <b>RAIL RAPID TRANSIT</b>        |      |      |      |      |      |      |      |      |      |      |      |
| <b>MTA/NEW YORK CITY TRANSIT</b> |      |      |      |      |      |      |      |      |      |      |      |
| Total Accidents                  | 21   | 19   | 13   | 12   | 15   | 10   | 10   | 12   | 10   | 9    | 6    |
| Fatalities                       | 9    | 3    | 4    | 4    | 3    | 2    | 4    | 3    | 4    | 0    | 1    |
| Injuries                         | 105  | 103  | 22   | 126  | 62   | 98   | 7    | 69   | 113  | 16   | 2    |
| <b>MTA/STATEN ISLAND RAILWAY</b> |      |      |      |      |      |      |      |      |      |      |      |
| Total Accidents                  | 0    | 1    | 0    | 1    | 3    | 0    | 1    | 1    | 1    | 1    | 3    |
| Fatalities                       | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| Injuries                         | 0    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| <b>TOTAL RAIL RAPID TRANSIT</b>  |      |      |      |      |      |      |      |      |      |      |      |
| Total Accidents                  | 21   | 20   | 13   | 13   | 18   | 10   | 11   | 13   | 11   | 10   | 9    |
| Fatalities                       | 9    | 3    | 4    | 4    | 3    | 2    | 4    | 3    | 4    | 0    | 1    |
| Injuries                         | 105  | 105  | 22   | 126  | 62   | 98   | 7    | 69   | 113  | 16   | 2    |
| <b>SUBURBAN RAIL</b>             |      |      |      |      |      |      |      |      |      |      |      |
| <b>MTA/METRO-NORTH RAILROAD</b>  |      |      |      |      |      |      |      |      |      |      |      |
| Total Accidents                  | 2    | 4    | 7    | 4    | 7    | 6    | 7    | 1    | 4    | 1    | 6    |
| Fatalities                       | 0    | 0    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0    |
| Injuries                         | 1    | 2    | 3    | 20   | 0    | 1    | 4    | 0    | 0    | 0    | 3    |
| <b>MTA/LONG ISLAND RAIL ROAD</b> |      |      |      |      |      |      |      |      |      |      |      |
| Total Accidents                  | 15   | 18   | 11   | 21   | 26   | 22   | 14   | 8    | 13   | 15   | 14   |
| Fatalities                       | 3    | 5    | 3    | 5    | 8    | 4    | 2    | 2    | 1    | 5    | 2    |
| Injuries                         | 10   | 1    | 6    | 69   | 15   | 2    | 2    | 3    | 8    | 12   | 70   |
| <b>TOTAL SUBURBAN RAIL</b>       |      |      |      |      |      |      |      |      |      |      |      |
| Total Accidents                  | 17   | 22   | 18   | 25   | 33   | 28   | 21   | 9    | 17   | 16   | 20   |
| Fatalities                       | 3    | 5    | 3    | 5    | 9    | 4    | 2    | 2    | 1    | 5    | 2    |
| Injuries                         | 11   | 3    | 9    | 89   | 15   | 3    | 6    | 3    | 8    | 12   | 73   |
| <b>TOTAL TRANSIT ACCIDENTS</b>   |      |      |      |      |      |      |      |      |      |      |      |
| Total Accidents                  | 91   | 109  | 101  | 101  | 104  | 84   | 97   | 78   | 81   | 84   | 83   |
| Fatalities                       | 17   | 18   | 10   | 15   | 18   | 11   | 10   | 14   | 12   | 16   | 12   |
| Injuries                         | 408  | 369  | 340  | 538  | 379  | 328  | 468  | 425  | 487  | 326  | 352  |

Source: New York State Public Transportation Safety Board

TABLE 47  
TRANSIT ACCIDENTS RATIO  
PER MILLION RIDERS

|                                 | 1992         | 1993         | 1994         | 1995         | 1996         | 1997         | 1998         | 1999         | 2000         | 2001         | 2002         |
|---------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>BUS TRANSIT</b>              |              |              |              |              |              |              |              |              |              |              |              |
| MTA/NEW YORK CITY TRANSIT       | 0.109        | 0.141        | 0.142        | 0.135        | 0.094        | 0.079        | 0.091        | 0.071        | 0.067        | 0.059        | 0.053        |
| MTA/LONG ISLAND BUS             | 0.220        | 0.216        | 0.316        | 0.054        | 0.273        | 0.112        | 0.319        | 0.307        | 0.201        | 0.097        | 0.065        |
| <b>TOTAL BUS TRANSIT</b>        | 0.113        | 0.144        | 0.149        | 0.132        | 0.103        | 0.081        | 0.101        | 0.080        | 0.073        | 0.061        | 0.054        |
| <b>RAIL RAPID TRANSIT</b>       |              |              |              |              |              |              |              |              |              |              |              |
| MTA/NEW YORK CITY TRANSIT       | 0.021        | 0.018        | 0.012        | 0.011        | 0.014        | 0.009        | 0.008        | 0.009        | 0.007        | 0.005        | 0.004        |
| MTA/STATEN ISLAND RAILWAY       | 0.000        | 0.196        | 0.000        | 0.196        | 0.600        | 0.000        | 0.278        | 0.256        | 0.244        | 0.252        | 0.833        |
| <b>TOTAL RAIL RAPID TRANSIT</b> | 0.021        | 0.019        | 0.012        | 0.012        | 0.016        | 0.009        | 0.009        | 0.010        | 0.008        | 0.006        | 0.005        |
| <b>SUBURBAN RAIL</b>            |              |              |              |              |              |              |              |              |              |              |              |
| MTA/METRO-NORTH RAILROAD        | 0.035        | 0.069        | 0.116        | 0.066        | 0.114        | 0.096        | 0.108        | 0.015        | 0.056        | 0.014        | 0.082        |
| MTA/LONG ISLAND RAIL ROAD       | 0.214        | 0.251        | 0.150        | 0.285        | 0.349        | 0.290        | 0.174        | 0.097        | 0.153        | 0.147        | 0.139        |
| <b>TOTAL SUBURBAN RAIL</b>      | 0.134        | 0.170        | 0.135        | 0.186        | 0.243        | 0.202        | 0.145        | 0.060        | 0.109        | 0.092        | 0.115        |
| <b>TOTAL TRANSIT ACCIDENTS</b>  | <b>0.057</b> | <b>0.067</b> | <b>0.061</b> | <b>0.059</b> | <b>0.059</b> | <b>0.046</b> | <b>0.049</b> | <b>0.037</b> | <b>0.036</b> | <b>0.029</b> | <b>0.029</b> |

TABLE 48  
TRANSIT ACCIDENTS RATIO  
PER MILLION MILES TRAVELED

|                                 | 1992         | 1993         | 1994         | 1995         | 1996         | 1997         | 1998         | 1999         | 2000         | 2001         | 2002         |
|---------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>BUS TRANSIT</b>              |              |              |              |              |              |              |              |              |              |              |              |
| MTA/NEW YORK CITY TRANSIT       | 0.546        | 0.711        | 0.713        | 0.700        | 0.482        | 0.441        | 0.617        | 0.498        | 0.475        | 0.556        | 0.509        |
| MTA/LONG ISLAND BUS             | 0.440        | 0.440        | 0.659        | 0.110        | 0.686        | 0.313        | 0.938        | 0.789        | 0.508        | 0.246        | 0.159        |
| <b>TOTAL BUS TRANSIT</b>        | <b>0.536</b> | <b>0.686</b> | <b>0.709</b> | <b>0.645</b> | <b>0.502</b> | <b>0.429</b> | <b>0.648</b> | <b>0.530</b> | <b>0.479</b> | <b>0.522</b> | <b>0.471</b> |
| <b>RAIL RAPID TRANSIT</b>       |              |              |              |              |              |              |              |              |              |              |              |
| MTA/NEW YORK CITY TRANSIT       | 0.069        | 0.064        | 0.043        | 0.038        | 0.049        | 0.032        | 0.033        | 0.038        | 0.031        | 0.028        | 0.018        |
| MTA/STATEN ISLAND RAILWAY       | 0.000        | 0.556        | 0.000        | 0.556        | 1.429        | 0.000        | 0.476        | 0.476        | 0.500        | 0.466        | 1.429        |
| <b>TOTAL RAIL RAPID TRANSIT</b> | <b>0.068</b> | <b>0.067</b> | <b>0.043</b> | <b>0.041</b> | <b>0.058</b> | <b>0.031</b> | <b>0.035</b> | <b>0.041</b> | <b>0.034</b> | <b>0.030</b> | <b>0.027</b> |
| <b>SUBURBAN RAIL</b>            |              |              |              |              |              |              |              |              |              |              |              |
| MTA/METRO-NORTH RAILROAD        | 0.054        | 0.107        | 0.186        | 0.106        | 0.167        | 0.138        | 0.155        | 0.021        | 0.082        | 0.020        | 0.121        |
| MTA/LONG ISLAND RAIL ROAD       | 0.274        | 0.330        | 0.201        | 0.375        | 0.476        | 0.380        | 0.241        | 0.139        | 0.228        | 0.261        | 0.243        |
| <b>TOTAL SUBURBAN RAIL</b>      | <b>0.186</b> | <b>0.239</b> | <b>0.195</b> | <b>0.267</b> | <b>0.342</b> | <b>0.276</b> | <b>0.203</b> | <b>0.086</b> | <b>0.161</b> | <b>0.150</b> | <b>0.187</b> |
| <b>TOTAL TRANSIT ACCIDENTS</b>  | <b>0.183</b> | <b>0.224</b> | <b>0.209</b> | <b>0.200</b> | <b>0.203</b> | <b>0.160</b> | <b>0.190</b> | <b>0.149</b> | <b>0.150</b> | <b>0.154</b> | <b>0.149</b> |