



## Section M

# Transportation

Motor Vehicle Registrations

Driver Licenses

Accidents, Accident Rates  
and Contributing Factors

Convictions for  
Motor Vehicle Violations

Motorcycle/Moped and  
Bicycle Accidents

Highway Mileage, Utilization,  
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**TABLE M-1**  
**Highway Mileage by Functional Systems<sup>1</sup>**  
**and Urban and Rural Designations**  
**United States by State — 1999(a)**

	Mileage							
	Functional Systems							
	Urban	Rural	Total	Interstate	Expressways and Other Freeways	Arterial	Collector	Local
United States	846,059	3,071,181	3,917,240	46,317	9,125	378,924	792,652	2,690,222
Alabama	20,658	73,589	94,247	905	21	8,758	20,349	64,214
Alaska	1,809	10,858	12,667	1,083	—	1,505	2,736	7,343
Arizona	17,277	37,177	54,454	1,168	108	4,745	8,554	39,879
Arkansas	10,603	86,959	97,562	542	123	6,891	20,146	69,860
California	83,787	83,186	166,973	2,456	1,375	26,659	31,839	104,644
Colorado	14,248	70,901	85,149	953	226	8,182	16,592	59,196
Connecticut	11,774	9,014	20,788	346	197	2,849	2,994	14,402
Delaware	1,969	3,778	5,747	41	11	627	946	4,122
District of Columbia	1,425	—	1,425	14	18	264	152	977
Florida	48,320	67,636	115,956	1,472	425	12,047	14,312	87,700
Georgia	27,459	86,435	113,894	1,244	165	13,133	23,169	76,183
Hawaii	1,895	2,362	4,257	55	34	748	825	2,595
Idaho	4,004	41,798	45,802	611	—	3,787	9,829	31,575
Illinois	36,194	102,052	138,246	2,165	84	13,914	21,504	100,579
Indiana	19,941	73,664	93,605	1,169	137	7,940	22,640	61,719
Iowa	9,519	103,385	112,904	782	—	9,495	31,503	71,124
Kansas	10,171	123,792	133,963	872	135	9,191	33,282	90,483
Kentucky	11,079	63,042	74,121	762	91	5,491	17,647	50,130
Louisiana	13,942	46,886	60,828	894	46	5,300	12,549	42,039
Maine	2,631	20,033	22,664	367	18	2,314	5,943	14,022
Maryland	14,321	16,001	30,322	481	235	3,556	5,021	21,029
Massachusetts	23,063	12,202	35,265	566	199	5,638	5,485	23,377
Michigan	29,932	91,790	121,722	1,241	224	12,220	25,737	82,300
Minnesota	15,953	116,043	131,996	912	146	12,660	29,561	88,717
Mississippi	7,933	65,385	73,318	685	41	7,099	15,529	49,964
Missouri	16,370	106,461	122,831	1,178	320	9,386	24,978	86,969
Montana	2,585	67,077	69,662	1,191	—	6,017	16,406	46,048
Nebraska	5,175	87,623	92,798	482	17	7,884	20,787	63,628
Nevada	5,789	30,082	35,871	560	43	2,864	5,219	27,185
New Hampshire	2,929	12,244	15,173	225	40	1,557	2,710	10,641
New Jersey	24,165	11,776	35,941	420	312	5,340	4,584	25,285
New Mexico	6,074	53,839	59,913	1,000	3	4,513	6,973	47,424
New York	40,913	71,746	112,659	1,667	792	13,463	20,543	76,194
North Carolina	23,395	75,907	99,302	1,017	272	8,947	17,788	71,278
North Dakota	1,834	84,781	86,615	572	—	5,872	11,538	68,633
Ohio	33,495	82,876	116,371	1,573	385	10,613	22,102	81,698
Oklahoma	13,286	99,225	112,511	930	134	7,846	25,372	78,229
Oregon	10,902	55,977	66,879	727	55	6,738	17,410	41,949
Pennsylvania	34,287	85,097	119,384	1,758	485	13,161	19,779	84,201
Rhode Island	4,719	1,333	6,052	70	69	845	857	4,211
South Carolina	10,619	54,282	64,901	828	68	6,809	13,393	43,803
South Dakota	1,979	81,431	83,410	678	—	6,295	19,271	57,166
Tennessee	17,722	69,537	87,259	1,074	126	8,711	18,064	59,284
Texas	81,969	218,538	300,507	3,234	1,201	28,345	63,112	204,615
Utah	7,316	34,140	41,456	938	8	3,332	7,811	29,367
Vermont	1,376	12,889	14,265	320	19	1,297	3,125	9,504
Virginia	19,002	51,325	70,327	1,118	217	8,194	14,181	46,617
Washington	18,194	62,062	80,256	764	313	7,304	16,796	55,079
West Virginia	3,223	33,116	36,339	549	9	3,236	8,776	23,769
Wisconsin	16,540	95,366	111,906	745	175	11,685	21,530	77,771
Wyoming	2,294	24,483	26,777	913	3	3,657	10,703	11,501

— Represents zero.

a As of December 31.

<sup>1</sup> Roads and streets are assigned to groups according to the character of service intended. The functional systems are (1) arterial highways that generally handle the long trips, (2) collector facilities that collect

and disperse traffic between the arterials and the lower systems, and (3) local roads and streets that primarily serve direct access to residential areas, farms, and other local areas.

SOURCE: *Statistical Abstract of the United States, 2001*; United States Federal Highway Administration, *Highway Statistics*, annual.

**TABLE M-2**  
**Motor Vehicle Registrations Issued<sup>1</sup>**  
**New York State**  
**Selected Years 1930-2000**  
**(thousands)**

Year	All Registrations <sup>2</sup>	Type of Registration				
		Passenger	Commercial <sup>3</sup>	Motorcycle	Moped <sup>4</sup>	Exempt <sup>5,6</sup>
1930	2,361	1,934	347	14	—	20
1935	2,395	2,006	315	13	—	26
1940	2,849	2,402	336	12	—	13
1945	2,454	2,004	321	12	—	31
1950	3,882	3,227	462	26	—	42
1955	4,808	4,105	489	21	—	50
1960	5,267	4,483	536	16	—	74
1965	6,227	5,254	598	45	—	92
1970	7,250	5,934	692	93	—	100
1971	7,421	6,097	702	84	—	100
1972	7,542	6,199	711	87	—	103
1973	7,896	6,455	760	97	—	104
1974	8,061	6,567	791	116	—	105
1975	8,204	6,673	825	122	—	105
1976	8,163	6,633	834	130	—	106
1977	8,255	6,701	847	135	8	107
1978	8,366	6,798	873	132	22	108
1979	8,506	6,904	923	145	33	109
1980	8,537	6,911	912	169	39	106
1981	8,664	7,000	926	161	42	107
1982	8,772	7,085	935	158	45	109
1983	8,975	7,217	962	164	49	110
1984	9,248	7,444	992	175	47	115
1985	9,654	7,713	1,045	217	45	28
1986	10,145	8,116	1,100	215	41	26
1987	10,256	8,137	1,144	208	38	28
1988	10,507	8,339	1,191	201	32	109a
1989	10,635	8,485	1,212	193	27	31
1990	10,781	8,609	1,249	188	24	27
1991b	10,364	8,283	1,156	190	21	20
1992	8,988	7,308	949	168	17	21
1993	9,110	7,431	950	160	16	22
1994	9,149	7,449	964	163	15	23
1995	9,177	7,456	971	165	13	NA
1996	9,235	7,446	983	163	12	NA
1997	10,027	8,163	1,170	178	11	17
1998	10,174	8,261	1,196	181	10	17
1999	10,437	8,448	1,232	191	9	18
2000	10,661	8,678	1,187	202	9	23

— Represents zero.

NA Not available.

a Includes reissuance of exempt plates.

b The volumes for Standard Series and Commercial began to slide downward. This was the first manifestation of the two-year registration program; since many registrations are two-year.

1 Beginning in 1992, figures represent Vehicle Registrations in Force are based on a new report showing the numbers of vehicles with a registration on record in New York State as of a particular date. Some users of our annual reports of Registrations Issued have used the data in those reports to estimate the numbers of registrations in force. The report of Registrations Issued includes all original and renewal registrations issued during a year. It does not reflect such factors as attrition and multiple original and renewal transactions for some vehicles during the year.

Because of the conversion of passenger and most commercial vehicles from annual to two year registrations, the annual report of Registrations Issued after 1991 should not be used to estimate the numbers of vehicle Registrations in effect during the year. We believe that the report of Vehicle Registrations in Force is the appropriate report to use for such purposes.

Users of both reports should be aware that differences between the numbers of Registrations Issued and Registrations in Force are the result of different methods used to generate the reports.

The above reference to registrations in Force does not apply to Exempt Vehicles. The number "22" represents the number of Exempt registrations Issued in 1993.

2 Include vehicles registered in the following categories: ambulance, bus, farm, taxi, trailer, and rental cars not otherwise indicated.

3 Includes pick-up trucks, vans, panel trucks, flatbed trucks, tank trucks, dump trucks, tow trucks, tractor-trailer power units, agricultural trucks, well-drillers, road rollers, and several other types of trucks.

4 Limited use motorcycle (moped) registration began on October 1, 1976, for Class A and B mopeds. For the period October 1-December 31, 1976, 35 Class A and B mopeds were registered. Moped registration for Class C mopeds began on July 1, 1977. Limited use motorcycles are classified according to performance:

A: Maximum speed of more than 30, but not more than 40 mph.

B: Maximum speed of more than 20, but not more than 30 mph.

C: Maximum speed of not more than 20 mph.

5 Until 1975, estimates of exempt registrations in force are included with the other registrations in their appropriate categories. For the years 1976 to 1984, estimates of exempt registrations in force are not included in other appropriate categories.

6 Beginning in 1985, the number of exempt registrations actually issued is shown. These are not distributed or included in other categories.

SOURCE: New York State Department of Motor Vehicles.

**TABLE M-3**  
**Motor Vehicle Registrations Issued by Type of Vehicle**  
**New York State by County of Residence — 2000**

County of Residence	All Paid Registrations <sup>1</sup>	Type of Vehicle			
		Passenger	Commercial	Motorcycle	Moped
All Registrations <sup>2,3</sup>	6,536,162	4,655,335	724,136	202,315	9,629
New York State <sup>2</sup>	6,399,918	4,604,154	689,262	201,670	9,550
New York City	1,204,655	1,023,109	50,854	21,810	1,017
Bronx	158,366	139,319	5,386	2,173	79
Kings	288,839	244,892	12,448	4,336	189
New York	147,490	122,576	8,057	4,798	359
Queens	468,033	390,451	21,576	7,159	303
Richmond	141,927	125,871	3,387	3,344	87
Rest of State	5,195,263	3,581,045	638,408	179,860	8,533
Albany	130,065	88,332	15,761	4,102	156
Allegany	23,965	12,315	5,467	1,040	66
Broome	96,137	63,207	13,989	3,510	133
Cattaraugus	41,235	22,218	8,991	1,962	66
Cayuga	41,440	22,223	8,073	1,547	109
Chautauqua	67,592	39,281	12,131	3,012	159
Chemung	44,148	27,043	6,926	1,667	136
Chenango	28,273	15,034	5,864	1,403	74
Clinton	42,559	21,425	8,039	1,966	102
Columbia	35,204	21,190	6,093	1,401	60
Cortland	23,624	13,021	4,854	1,005	56
Delaware	29,982	16,375	6,182	1,306	57
Dutchess	137,376	99,233	15,383	5,578	134
Erie	416,304	281,244	51,422	12,554	641
Essex	22,189	10,727	4,791	858	46
Franklin	26,539	12,631	5,636	1,082	58
Fulton	30,171	16,211	5,157	1,391	77
Genesee	33,310	18,007	6,746	1,357	119
Greene	28,895	16,912	4,656	1,473	72
Hamilton	4,276	1,806	933	181	11
Herkimer	33,185	18,071	6,238	1,505	124
Jefferson	55,773	28,294	10,664	1,775	163
Lewis	17,018	6,529	4,198	613	78
Livingston	35,354	18,770	7,203	1,668	86
Madison	36,915	19,854	7,014	1,674	127
Monroe	338,411	236,799	39,023	11,063	359
Montgomery	27,519	15,084	4,949	1,363	69
Nassau	560,071	488,838	22,013	12,352	702
Niagara	107,968	67,030	16,045	4,442	244
Oneida	111,149	67,533	16,957	4,253	274
Onondaga	216,724	141,271	33,116	6,229	309
Ontario	56,989	31,396	10,242	2,541	134
Orange	157,283	110,140	19,719	6,153	119
Orleans	23,185	11,962	4,649	1,097	73
Oswego	67,794	34,237	12,924	2,618	139
Otsego	32,407	18,088	6,376	1,477	90
Putnam	52,421	40,552	4,155	2,315	27
Rensselaer	73,158	46,624	11,453	3,046	90
Rockland	120,940	102,296	6,439	3,495	87
St. Lawrence	62,143	27,196	12,464	2,086	201
Saratoga	108,264	66,218	15,470	4,251	168
Schenectady	72,745	48,988	9,176	2,843	94
Schoharie	19,001	10,030	3,684	1,119	49
Schuyler	11,209	5,600	2,431	558	42
Seneca	18,578	9,593	3,378	779	100
Steuben	53,561	29,260	10,754	2,283	129
Suffolk	687,685	530,566	59,134	20,511	984
Sullivan	41,108	25,009	6,480	1,759	73
Tioga	27,715	15,903	5,362	1,123	44
Tompkins	38,989	24,853	6,329	1,625	95
Ulster	92,145	59,977	13,702	4,485	145
Warren	36,852	20,857	6,363	1,470	78
Washington	33,069	16,941	6,968	1,647	53
Wayne	56,853	29,512	10,367	3,170	167
Westchester	370,443	321,155	17,044	10,187	359
Wyoming	23,699	11,005	5,779	1,258	46
Yates	13,656	6,579	3,052	632	80
Out of State	136,244	51,181	34,874	645	79

NOTE: Standard Series and most Commercial vehicles are now registered for two years; thus about half of these registrations are renewed each year.

2 Does not include registrations issued for State, county and municipal vehicles, which are exempt.

1 Includes registrations for vehicles in the following categories: ambulance, bus, farm, taxi, trailer, and rental car not elsewhere included.

3 Includes Out of State registrations.

SOURCE: New York State Department of Motor Vehicles.

**TABLE M-4**  
**Motor Vehicle Registrations in Force by Type of Vehicle**  
**New York State by County of Residence — 2000**

County of Residence	All Registrations In Force <sup>1</sup>	Type of Vehicle			
		Passenger	Commercial	Motorcycle	Moped
All Registrations <sup>2,3</sup>	10,661,161	8,678,140	1,186,620	201,601	9,361
New York State <sup>2</sup>	10,508,077	8,616,192	1,143,822	201,186	9,301
New York City	2,044,373	1,853,694	81,917	22,023	1,156
Bronx	268,910	248,197	9,393	2,154	87
Kings	486,987	440,510	19,842	4,468	217
New York	255,780	227,043	14,263	4,923	431
Queens	784,848	706,843	32,860	7,121	320
Richmond	247,848	231,101	5,559	3,357	101
Rest of State	8,463,704	6,762,498	1,061,905	179,163	8,145
Albany	213,325	168,381	27,012	4,159	155
Allegany	35,863	22,714	9,776	1,019	61
Broome	155,366	119,809	23,829	3,400	111
Cattaraugus	62,991	41,379	16,057	1,946	68
Cayuga	61,667	41,273	13,884	1,524	111
Chautauqua	104,357	73,681	21,199	3,006	153
Chemung	70,127	51,640	12,358	1,702	107
Chenango	42,986	28,775	10,015	1,407	58
Clinton	62,376	41,486	13,892	1,984	99
Columbia	55,927	40,899	9,751	1,426	53
Cortland	36,104	24,355	8,338	1,006	45
Delaware	45,410	30,703	10,383	1,264	58
Dutchess	230,168	191,998	22,415	5,642	131
Erie	684,977	532,332	87,810	12,558	591
Essex	32,572	20,664	8,318	871	50
Franklin	36,911	23,494	9,567	1,057	54
Fulton	44,698	30,655	9,107	1,331	75
Genesee	50,716	33,834	11,794	1,364	109
Greene	45,134	32,408	7,703	1,407	69
Hamilton	6,003	3,511	1,586	173	10
Herkimer	49,178	33,564	10,637	1,515	109
Jefferson	81,147	53,304	18,986	1,817	169
Lewis	22,226	12,403	7,244	585	73
Livingston	52,608	34,805	12,229	1,634	78
Madison	54,896	36,690	12,147	1,632	129
Monroe	555,680	447,531	66,519	10,827	338
Montgomery	41,546	28,603	8,215	1,297	64
Nassau	985,924	914,496	32,560	12,449	669
Niagara	169,800	127,655	27,414	4,460	218
Oneida	172,495	127,339	29,717	4,248	268
Onondaga	346,528	264,831	52,922	6,170	290
Ontario	87,139	59,534	17,974	2,504	138
Orange	261,962	211,567	30,767	6,187	118
Orleans	33,956	22,649	7,717	1,027	78
Oswego	96,029	62,891	22,924	2,578	151
Otsego	49,062	33,553	10,957	1,438	77
Putnam	88,084	76,419	5,860	2,312	29
Rensselaer	117,382	88,214	19,696	3,052	83
Rockland	211,771	192,924	9,312	3,499	84
St. Lawrence	83,150	51,362	21,492	1,987	201
Saratoga	170,665	126,824	27,386	4,222	153
Schenectady	119,573	93,783	16,309	2,870	84
Schoharie	28,649	19,049	6,350	1,107	38
Schuyler	16,525	10,492	4,198	551	44
Seneca	27,815	18,408	6,012	757	97
Steuben	81,943	55,384	18,554	2,269	126
Suffolk	1,160,032	1,001,273	87,158	20,987	937
Sullivan	63,881	47,162	10,573	1,667	69
Tioga	43,352	30,094	9,534	1,093	44
Tompkins	62,735	47,182	10,733	1,592	88
Ulster	149,386	114,487	22,415	4,417	137
Warren	55,783	38,834	11,280	1,403	80
Washington	49,831	31,757	12,526	1,606	50
Wayne	82,886	54,817	17,935	3,145	172
Westchester	657,724	605,430	26,036	10,140	372
Wyoming	34,849	20,849	9,676	1,220	44
Yates	19,834	12,348	5,147	653	78
Out of State	152,872	61,806	42,745	415	60
County Unknown	212	142	53	—	—

NOTE: This report of Vehicle Registrations in Force is a new report showing the numbers of vehicles with active registrations on record in New York State as of a particular date.

Some users of our annual report of Registrations Issued have used the data in that report to estimate the numbers of registrations in force. However, the report of Registrations Issued includes all original and renewal registrations issued during a year. It does not reflect such factors as attrition and multiple original and renewal transactions for some vehicles during the year.

Because of the conversion of passenger and most commercial vehicles from annual to two year registrations, the annual report of Registrations Issued after 1991 should not be used to estimate the numbers of vehicle registrations in effect during the year. We believe that the report of Vehicle Registrations in Force is the appropriate report to use for such purposes.

Users of both reports should be aware that differences between the numbers of Registrations Issued and Registrations in Force are the result of different methods used to generate the reports.

— Represents zero.

- 1 Includes registrations for vehicles in the following categories: ambulance, bus, farm, taxi, trailer, and rental car not elsewhere included.
- 2 Does not include registrations in force for State, county and municipal vehicles, which are exempt from a registration fee.
- 3 Includes Out of State registrations and County Unknown registrations.

SOURCE: New York State Department of Motor Vehicles.

**TABLE M-5**  
**Motor Vehicle Driver Licenses**  
**New York State**  
**Selected Years 1930-2000**

Year	Licenses Issued <sup>1</sup> (thousands)			Licenses on File
	Total	Original	Renewal <sup>2</sup>	
1930	2,900	NA	NA	2,842
1935	3,396	NA	NA	3,329
1940	3,322	NA	NA	3,902
1945	830	236	594	4,377
1950	1,130	418	712	5,290
1955	3,261	417	2,844	6,200
1960	1,931	333	1,598	7,006
1965	2,427	402	2,025	7,402
1970	3,165	472	2,693	8,058
1971	2,799	478	2,321	8,281
1972	2,794	512	2,282	8,453
1973	3,235	497	2,738	8,547
1974a	2,926	492	2,434	8,732
1975	2,961	496	2,465	8,850
1976	3,232	467	2,765	8,935
1977	2,402	424	1,978	8,970
1978	2,477	421	2,056	9,126
1979	2,551	426	2,125	9,186
1980	2,323	401	1,922	9,240
1981	2,263	409	1,854	9,249
1982	2,561	412	2,149	9,329
1983	2,605	415	2,190	9,610
1984	2,405	421	1,984	9,716
1985	2,415	463	1,952	9,841
1986	2,708	480	2,228	9,947
1987	2,683	494	2,189	10,029
1988	2,497	480	2,017	10,143
1989	2,498	450	2,048	10,178
1990	2,770	447	2,322	10,254
1991	2,731	471	2,260	10,267
1992	2,593	451	2,143	10,360
1993	2,667	459	2,208	10,327
1994	NA	NA	NA	10,377
1995	2,644	338	2,306	10,406
1996	2,523	362	2,162	10,484
1997	2,672	408	2,264	10,529
1998	2,855	356	2,499	10,554
1999	2,768	374	2,394	10,627
2000b	1,180	383	797	10,871

NOTE: The numbers of Original licenses and license Renewals were estimated for certain years due to computer programming anomalies. The Total, however, is actual.

NA Not available.

a In April 1974, the Department began to issue 4-year licenses that expire in the driver's month of birth. Effective beginning with drivers whose licenses expired in March 1983, the expiration date was changed from the month of birth to the driver's birthday.

b Starting April 1, 2000, New York State drivers renewing Class D, M or DM licenses which expire on or after June 1, 2000 will receive licenses valid for 8 years rather than 5 years.

1 Includes all classes of driver licenses.

2 The year-to-year volume of renewals varies considerably because 3-year licenses have one high-volume and two lower-volume years. Since 1977, there have been similar cyclical variations in the yearly renewal volumes for 4-year licenses.

SOURCE: New York State Department of Motor Vehicles.

**TABLE M-6**  
**Motor Vehicle Driver Licenses**  
**New York State by County of Issuance — 2000**

County of Issuance	Licenses Issued <sup>1</sup>			Licenses on File <sup>3</sup>
	Total	Original <sup>2</sup>	Renewal	
New York State	1,179,420	382,605	796,815	10,871,344
New York City	318,785	164,908	153,877	3,162,734
Rest of State	860,635	217,697	642,938	7,670,839
Albany	142,118	7,898	134,220	190,956
Allegany	1,510	570	940	32,589
Broome	9,771	3,860	5,911	141,458
Cattaraugus	5,088	2,033	3,055	58,180
Cayuga	3,925	1,637	2,288	54,596
Chautauqua	7,545	2,896	4,649	96,107
Chemung	4,035	1,594	2,441	62,503
Chenango	2,057	795	1,262	37,411
Clinton	4,165	1,472	2,693	52,941
Columbia	2,763	1,166	1,597	46,074
Cortland	3,116	1,163	1,953	32,118
Delaware	3,149	1,198	1,951	36,938
Dutchess	13,802	5,908	7,894	195,133
Erie	38,604	16,223	22,381	637,501
Essex	1,253	478	775	27,574
Franklin	2,426	951	1,475	33,224
Fulton	2,563	1,033	1,530	39,523
Genesee	3,240	1,213	2,027	43,906
Greene	2,064	794	1,270	35,853
Hamilton	253	100	153	4,853
Herkimer	2,828	1,065	1,763	45,547
Jefferson	4,670	2,027	2,643	68,612
Lewis	1,538	600	938	19,333
Livingston	3,675	1,445	2,230	44,503
Madison	3,830	1,601	2,229	49,071
Monroe	35,224	14,685	20,539	503,353
Montgomery	1,856	738	1,118	35,686
Nassau	51,473	24,100	27,373	975,198
Niagara	12,204	4,865	7,339	156,473
Oneida	234,148	4,342	229,806	159,942
Onondaga	18,492	7,738	10,754	312,675
Ontario	4,718	1,920	2,798	73,128
Orange	15,551	6,521	9,030	223,082
Orleans	2,625	1,122	1,503	29,535
Oswego	7,256	2,584	4,672	84,962
Otsego	3,126	1,209	1,917	42,940
Putnam	5,412	1,843	3,569	73,204
Rensselaer	7,397	3,144	4,253	105,254
Rockland	12,849	5,925	6,924	202,983
St. Lawrence	5,421	2,091	3,330	74,148
Saratoga	9,683	3,521	6,162	148,926
Schenectady	6,238	2,638	3,600	110,160
Schoharie	1,932	764	1,168	22,887
Schuyler	1,033	388	645	13,762
Seneca	1,781	661	1,120	23,752
Steuben	4,849	1,855	2,994	71,562
Suffolk	72,945	32,646	40,299	1,026,826
Sullivan	3,841	1,814	2,027	52,929
Tioga	2,069	814	1,255	37,352
Tompkins	5,192	2,178	3,014	58,432
Ulster	6,380	2,640	3,740	126,703
Warren	3,012	1,094	1,918	48,430
Washington	3,490	1,287	2,203	42,182
Wayne	3,227	1,368	1,859	68,317
Westchester	44,613	20,407	24,206	633,165
Wyoming	1,356	555	801	29,623
Yates	1,254	520	734	16,764
County Unknown <sup>4</sup>	—	—	—	37,771

— Represents zero.

1 Includes all classes of licenses.

2 A first-time license in New York State.

3 County of Residence.

4 Not included in Rest of State total.

SOURCE: New York State Department of Motor Vehicles.

**TABLE M-7**  
**Motor Vehicle Accidents and Accident Rates**  
**New York State — 1979-2000**

Year	Accidents			Persons Killed	Persons Injured	Estimated Population <sup>2</sup>	Motor Vehicles Registered	Estimated Million Vehicle Miles of Travel <sup>3</sup>
	Total	Fatal and Injury	Property Damage <sup>1</sup>					
1979	281,159	176,996	104,163	2,377	257,119	18,082,565	8,505,583	77,820
1980	269,747	174,977	94,770	2,619	257,823	17,558,072	8,536,935	77,620
1981	268,099	176,470	91,629	2,508	260,649	17,601,363	8,663,742	79,130
1982	268,295	172,635	95,660	2,147	252,959	17,664,649	8,772,109	80,483
1983	270,688	173,769	96,919	2,077	251,333	17,687,943	8,975,390	83,770
1984	285,939	182,715	103,224	2,064	266,426	17,731,229	9,247,818	87,030
1985	292,804	185,622	107,182	1,995	264,870	17,774,520	9,654,204	90,850
1986	294,050	195,643	98,407	2,114	281,914	17,824,226	10,144,950	94,950
1987	303,809	199,406	104,403	2,328	288,350	17,873,932	10,256,148	100,100
1988	312,765	201,966	110,799	2,237	293,705	17,923,638	10,507,196	103,370
1989	321,696	205,629	116,067	2,263	298,629	17,973,344	10,634,771	106,060
1990	308,107	200,742	107,365	2,211	294,565	17,990,455	10,780,683	106,900
1991	274,875	191,117	83,758	1,988	280,282	18,031,466	10,364,308	107,650
1992	258,596	195,041	63,555	1,808	288,819	18,071,135	8,987,697	109,870
1993	257,209	194,210	62,999	1,774	291,264	18,110,891	9,109,590	112,250
1994	259,184	192,888	66,296	1,669	288,667	18,169,051	9,149,276	112,980
1995	253,136	190,758	62,378	1,670	287,074	18,136,081	9,176,688	115,170
1996	250,521	187,121	63,400	1,590	285,731	18,184,774	9,235,437	118,400
1997a	263,604	184,014	79,590	1,630	280,871	18,137,226	10,027,422	119,800
1998	306,646	183,161	123,485	1,505	281,541	18,184,774	10,173,646	123,370
1999	356,981	184,228	172,753	1,585	282,179	18,196,601	10,436,939	126,500
2000	392,245	190,128	202,117	1,444	292,664	18,976,457	10,661,161	125,750

- - - Accident Rates - - -

Year	Per 10,000 Population			Per 10,000 Registrations			Per 100 Million Vehicle Miles of Travel		
	Fatal and Injury Accidents	Persons Killed	Persons Injured	Fatal and Injury Accidents	Persons Killed	Persons Injured	Fatal and Injury Accidents	Persons Killed	Persons Injured
1979	97.9	1.3	142.2	208.1	2.8	302.3	227.4	3.1	330.4
1980	99.7	1.5	146.8	205.0	3.1	302.0	225.4	3.4	333.4
1981	100.3	1.4	148.1	203.7	2.9	300.9	223.0	3.2	329.4
1982	97.7	1.2	143.2	196.8	2.4	288.4	214.5	2.7	314.3
1983	98.2	1.2	142.1	193.6	2.3	280.0	207.4	2.5	300.0
1984	103.0	1.2	150.3	197.6	2.2	288.1	209.9	2.4	306.1
1985	104.4	1.1	149.0	192.3	2.1	274.4	204.3	2.2	291.5
1986	109.8	1.2	158.2	192.8	2.1	277.9	206.0	2.2	296.9
1987	111.6	1.3	161.3	194.4	2.3	281.2	199.2	2.3	288.1
1988	112.7	1.2	163.9	192.2	2.1	279.5	195.4	2.2	284.1
1989	114.4	1.3	166.2	193.4	2.1	280.8	193.9	2.1	281.6
1990	111.6	1.5	163.7	186.2	2.1	273.2	187.8	2.1	275.6
1991	106.0	1.1	155.4	184.4	1.9	270.4	177.5	1.9	260.4
1992	107.9	1.0	159.8	217.0	2.0	321.3	177.5	1.7	262.9
1993	107.2	1.0	160.8	213.2	2.0	319.7	173.0	1.6	259.5
1994	106.2	0.9	158.9	210.8	1.8	315.5	170.7	1.5	255.5
1995	105.2	0.9	158.3	207.9	1.8	312.8	165.6	1.5	249.3
1996	102.9	0.9	157.1	202.6	1.7	309.4	158.0	1.3	241.3
1997a	101.5	0.9	154.9	183.5	1.6	280.1	153.6	1.4	234.4
1998	100.7	0.8	154.8	180.0	1.5	276.7	148.5	1.2	228.2
1999	101.2	0.9	155.1	176.5	1.5	270.4	145.6	1.3	223.1
2000	100.2	0.8	154.2	178.3	1.4	274.5	151.2	1.1	232.7

a The Vehicle and Traffic Law was amended in April 1997 to provide statutory authority for police officers to report accidents which, in their judgment, appear to meet the reporting criteria for property damage (i.e., damage in excess of \$1,000 to the property of any one individual). Now, accidents are classified as reportable accidents when police check the box that indicates that it meets the criteria for reporting a property damage accident. As a result, reportable accidents that include a police report and involved only property damage have increased.

1 The reporting threshold of property damage accidents changed on September 1, 1978, from \$200 to \$400, and on September 1, 1985, from \$400 to \$600, and on August 1, 1991, from \$600 to \$1,000.

2 Based on U.S. Bureau of the Census data. For 1976-1979, estimates were prepared by the New York State Department of Commerce, State

Data Center; 1981-1984 based on interpolation of 1980 Census data; and for 1985, State Data Center estimates. 1986, 1987 and 1988 population figures are based on interpolation of 1985 and 1990 estimates by the State Data Center; 1991 and 1992 population figures are estimates based on the 1990 United States Census data. Population figures for 1993 and later are from the Population Distribution and Population Estimates Branches of the United States Bureau of the Census.

3 Estimates by the New York State Department of Transportation, some data prior to 1990, as revised on July 10, 1990.

SOURCE: New York State Department of Motor Vehicles.

**TABLE M-8**  
**Driver Licenses on File and Drivers in Accidents, by Severity of Accident**  
**and by Age and Sex of Driver**  
**New York State — 2000**

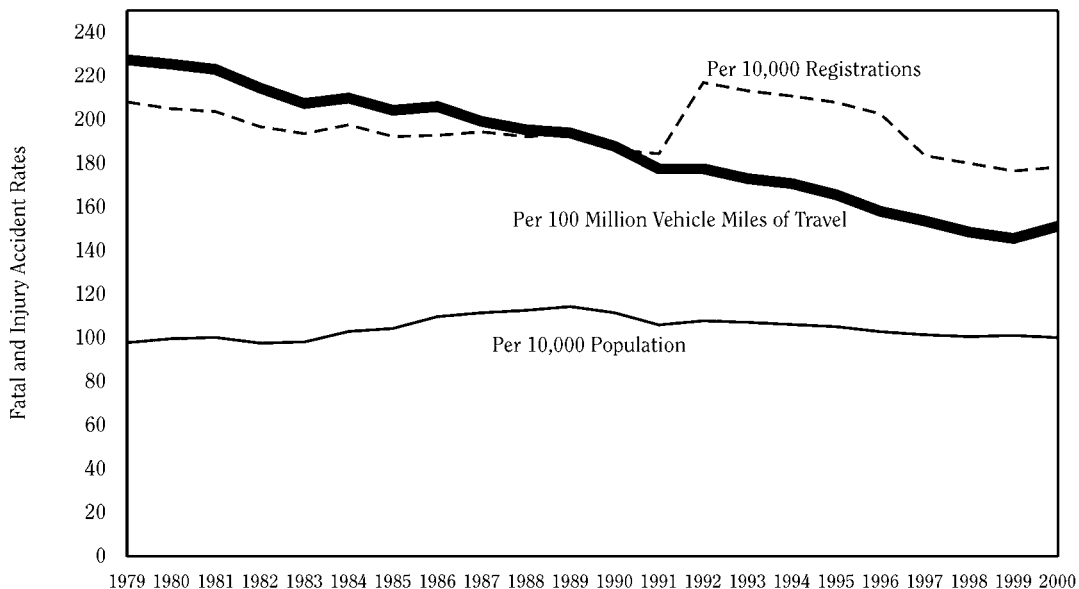
Sex and Age of Driver	Licenses on File		Drivers Involved in Accidents			By Severity of Accident		
	Number	Percent	Number	Percent	Rate <sup>1</sup>	Fatal	Personal Injury	Property Damage Only
All Drivers	10,871,308	100.0%	675,949	100.0%	622	2,000	342,710	331,239
Male	5,706,562	52.5	411,996	61.0	722	1,504	211,975	198,517
Under 18	78,353	0.7	13,503	2.0	1,723	51	6,149	7,303
18-20	237,214	2.2	34,553	5.1	1,457	151	17,229	17,173
21-24	355,561	3.3	40,872	6.0	1,150	164	21,635	19,073
25-29	504,164	4.6	46,929	6.9	931	173	25,309	21,447
30-39	1,267,809	11.7	97,883	14.5	772	326	52,783	44,774
40-49	1,227,279	11.3	79,109	11.7	645	289	41,064	37,756
50-59	907,211	8.3	48,918	7.2	539	158	23,984	24,776
60-64	303,182	2.8	14,319	2.1	472	41	7,005	7,273
65-69	252,906	2.3	10,229	1.5	404	32	4,775	5,422
70-74	227,110	2.1	8,469	1.3	373	36	3,935	4,498
75-79	175,848	1.6	6,326	0.9	360	30	2,863	3,433
80 and over	169,925	1.6	5,724	0.8	337	50	2,687	2,987
Age Unknown	—	—	5,162	0.8	X	3	2,557	2,602
Female	5,164,746	47.5	227,235	33.6	440	452	116,024	110,759
Under 18	63,800	0.6	8,989	1.3	1,409	18	4,331	4,640
18-20	196,839	1.8	20,320	3.0	1,032	41	10,257	10,022
21-24	303,945	2.8	22,582	3.3	743	31	11,761	10,790
25-29	444,437	4.1	24,782	3.7	558	39	13,461	11,282
30-39	1,135,336	10.4	52,999	7.8	467	83	28,163	24,753
40-49	1,111,887	10.2	44,631	6.6	401	85	22,619	21,927
50-59	850,136	7.8	26,695	3.9	314	66	13,243	13,386
60-64	275,610	2.5	7,043	1.0	256	18	3,404	3,621
65-69	229,737	2.1	5,377	0.8	234	9	2,480	2,888
70-74	215,104	2.0	5,102	0.8	237	20	2,325	2,757
75-79	173,057	1.6	4,161	0.6	240	15	1,894	2,252
80 and over	164,858	1.5	3,604	0.5	219	26	1,636	1,942
Age Unknown	—	—	950	0.1	X	1	450	499
Sex not specified	—	—	36,718	5.4	X	44	14,711	21,963

— Represents zero.  
X Not applicable.

<sup>1</sup> Per 10,000 licensed drivers.

SOURCE: New York State Department of Motor Vehicles.

**FIGURE M-1**  
**Motor Vehicle Accident Rates<sup>1</sup>**  
**New York State — 1979-2000**



<sup>1</sup> For accidents involving death and/or injury. Excludes accidents involving property damage only.

SOURCE: New York State Department of Motor Vehicles.

**TABLE M-9**  
**Motor Vehicles Involved in Accidents**  
**by Vehicle Type and Severity of Accident**  
**New York State**  
**1994-96 Average, 1997-99 Average and 2000**

Vehicle Type	Total			Fatal		
	1994-96 Average	1997-99 Average	2000	1994-96 Average	1997-99 Average	2000
All Vehicles	470,663	565,494	714,839	2,331	2,226	2,118
Passenger Cars	370,894	445,405	557,287	1,626	1,556	1,456
Motorcycle	3,743	3,878	4,308	97	117	126
Moped	138	103	142	1	—	1
For Hire <sup>1</sup>	23,316	25,628	31,275	84	75	74
School Bus	880	1,242	1,899	10	12	6
Emergency Vehicle	2,315	2,566	3,181	14	12	18
Truck/Tractor Trailer	48,785	62,561	75,240	436	395	385
Towing Vehicles	518	719	914	5	3	5
All Others	20,072	23,378	40,592	60	56	47
Unspecified	3	14	1	—	—	—

Vehicle Type	Personal Injury			Property Damage		
	1994-96 Average	1997-99 Average	2000	1994-96 Average	1997-99 Average	2000
All Vehicles	348,275	338,362	353,778	120,057	224,905	358,943
Passenger Cars	275,028	268,876	281,054	94,241	174,973	274,777
Motorcycle	3,546	3,507	3,694	100	254	488
Moped	136	96	127	1	7	14
For Hire <sup>1</sup>	20,417	20,044	20,769	2,815	5,509	10,432
School Bus	645	721	921	226	509	972
Emergency Vehicle	2,078	1,871	1,840	223	683	1,323
Truck/Tractor Trailer	33,851	31,778	28,980	14,497	30,387	45,875
Towing Vehicles	404	451	453	109	265	456
All Others	12,168	11,010	15,940	7,844	12,312	24,605
Unspecified	1	9	—	2	5	1

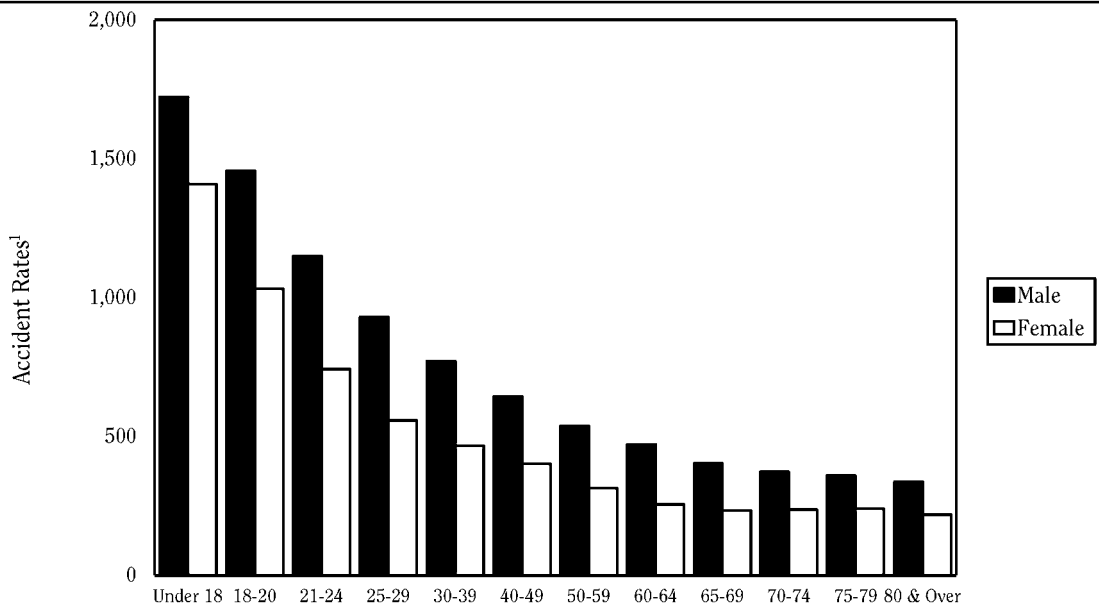
NOTE: Because of rounding, totals composed of the three year averages of each vehicle type may differ slightly from the three year total of all vehicles.

<sup>1</sup> Includes buses, taxis, livery, rental, and other for hire vehicles but excludes school buses.

SOURCE: New York State Department of Motor Vehicles.

— Represents zero.

**FIGURE M-2**  
**Motor Vehicle Accident Rates<sup>1</sup>**  
**by Age and Sex of Driver**  
**New York State — 2000**



<sup>1</sup> Per 10,000 licensed drivers.

SOURCE: New York State Department of Motor Vehicles.

**TABLE M-10**  
**Motor Vehicle Accidents by Severity**  
**New York State by County — 1997-99 Average and 2000**

County of Occurrence	Total <sup>1</sup>		Fatal		Personal Injury		Property Damage <sup>2</sup>	
	1997-99 Average	2000	1997-99 Average	2000	1997-99 Average	2000	1997-99 Average	2000
New York State	309,039	392,246	1,448	1,358	182,353	188,771	125,238	202,117
New York City	101,572	125,550	384	348	79,796	83,273	21,392	41,929
Bronx	14,779	19,953	60	49	11,312	13,194	3,407	6,710
Kings	31,544	38,152	121	105	26,264	27,191	5,159	10,856
New York	19,954	24,609	69	70	15,211	14,624	4,675	9,915
Queens	29,887	36,578	118	100	22,961	24,459	6,808	12,019
Richmond	5,408	6,258	17	24	4,048	3,805	1,343	2,429
Rest of State	207,467	266,696	1,063	1,010	102,557	105,498	103,847	160,188
Albany	6,327	8,501	18	23	3,052	3,138	3,257	5,340
Allegany	725	890	8	4	325	297	392	589
Broome	3,622	4,970	19	19	1,667	1,854	1,936	3,097
Cattaraugus	1,115	1,606	12	13	630	648	472	945
Cayuga	1,255	1,717	11	10	634	680	610	1,027
Chautauqua	2,475	3,444	18	18	1,090	1,091	1,367	2,335
Chemung	1,264	1,652	10	6	679	690	575	956
Chenango	933	1,250	8	9	400	413	525	828
Clinton	1,241	1,940	11	15	607	603	623	1,322
Columbia	1,266	1,492	12	11	559	485	695	996
Cortland	1,083	1,326	8	3	420	384	655	939
Delaware	919	1,226	8	14	400	420	511	792
Dutchess	5,708	7,041	29	29	2,764	2,755	2,915	4,257
Erie	13,655	16,917	76	63	7,870	8,324	5,710	8,530
Essex	712	1,033	5	9	339	324	369	700
Franklin	799	1,150	5	9	377	353	417	788
Fulton	946	1,376	4	2	463	476	480	898
Genesee	1,522	1,895	13	11	594	626	915	1,258
Greene	879	1,168	11	7	398	392	470	769
Hamilton	143	206	1	2	52	62	90	142
Herkimer	906	1,302	6	10	435	463	465	829
Jefferson	1,803	2,370	10	13	827	756	966	1,601
Lewis	466	656	5	6	174	183	287	467
Livingston	1,279	1,683	6	8	445	454	828	1,221
Madison	1,190	1,689	11	9	519	552	660	1,128
Monroe	14,681	18,852	42	48	6,149	6,598	8,490	12,206
Montgomery	999	1,336	4	6	443	372	552	958
Nassau	31,637	37,716	112	94	16,814	17,304	14,711	20,318
Niagara	3,355	4,100	19	13	1,845	1,894	1,491	2,193
Oneida	4,601	6,335	23	18	2,196	2,202	2,382	4,115
Onondaga	9,750	13,010	37	20	4,495	4,431	5,219	8,559
Ontario	2,618	3,554	14	14	820	857	1,784	2,683
Orange	6,866	9,604	38	30	3,400	3,662	3,429	5,912
Orleans	654	848	8	2	278	262	368	584
Oswego	2,385	3,360	22	24	1,026	1,083	1,337	2,253
Otsego	1,263	1,572	9	9	516	504	737	1,059
Putnam	1,950	2,649	13	10	966	959	971	1,680
Rensselaer	2,400	3,106	13	15	1,230	1,249	1,158	1,842
Rockland	5,474	7,262	25	18	2,926	3,160	2,524	4,084
St. Lawrence	1,997	2,867	18	21	709	742	1,270	2,104
Saratoga	2,678	3,314	18	16	1,439	1,421	1,222	1,877
Schenectady	2,544	3,108	6	13	1,175	1,221	1,362	1,874
Schoharie	507	731	6	2	226	249	275	480
Schuyler	269	524	2	1	129	147	138	376
Seneca	681	1,023	5	6	257	272	420	745
Steuben	1,476	2,318	15	13	705	801	757	1,504
Suffolk	28,104	34,854	154	151	14,750	15,233	13,199	19,470
Sullivan	1,448	2,018	13	11	748	712	687	1,295
Tioga	858	1,116	3	4	341	347	514	765
Tompkins	1,688	2,561	7	6	681	740	999	1,815
Ulster	3,425	4,583	17	21	1,772	1,800	1,636	2,762
Warren	1,614	2,080	7	7	695	678	911	1,395
Washington	970	1,274	8	11	458	430	504	833
Wayne	1,469	1,941	13	11	670	647	786	1,283
Westchester	15,954	19,153	52	56	8,544	8,672	7,358	10,425
Wyoming	725	1,179	10	11	314	310	401	858
Yates	191	248	4	5	119	116	68	127

NOTE: The totals on this table may differ slightly from those on the other tables presenting the data in different formats because the data are derived from dynamic files whose contents are constantly being updated.

Because of rounding, the Statewide, New York City, and Rest of State totals for each of the three year average columns may differ from the total of the three year averages of the individual counties.

1 Based on submitted reports for reportable accidents. A reportable accident is one which involved injury or death, or damage or more than \$600 to the property of any one person. Effective August 1, 1991, the property damage threshold was raised to \$1,000.

2 The Vehicle and Traffic Law was amended in April 1997 to provide statutory authority for police officers to report accidents which, in their judgment, appear to meet the reporting criteria for property damage (i.e., damage in excess of \$1,000 to the property of any one individual). Now, accidents are classified as reportable accidents when police check the box that indicates that it meets the criteria for reporting a property damage accident. As a result, reportable accidents that include a police report and involved only property damage have increased.

SOURCE: New York State Department of Motor Vehicles.

**TABLE M-11**  
**Motor Vehicle Accidents by Hour of Occurrence and by Day of Week**  
**New York State — 1996-2000**

Time Period	All Accidents <sup>1</sup>					Fatal Accidents <sup>1</sup>				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Total	250,521	263,604	306,646	356,981	392,245	1,451	1,488	1,395	1,460	1,358
Hour of Occurrence										
A.M.										
12:00 - 12:59	3,691	4,153	4,918	5,815	6,733	39	48	30	48	40
1:00 - 1:59	4,884	4,953	5,371	6,005	6,367	64	48	52	37	43
2:00 - 2:59	4,680	4,785	4,988	5,408	5,701	51	62	47	64	49
3:00 - 3:59	4,226	4,135	4,246	4,370	4,652	44	52	44	44	55
4:00 - 4:59	3,697	3,716	4,205	4,358	4,731	55	62	41	34	40
5:00 - 5:59	3,938	4,151	4,542	5,149	5,557	39	37	32	47	38
6:00 - 6:59	6,107	6,403	7,244	8,621	9,354	48	67	41	47	47
7:00 - 7:59	10,980	11,515	12,906	15,032	16,220	42	42	44	63	50
8:00 - 8:59	14,180	14,777	16,213	19,151	20,703	38	51	50	57	37
9:00 - 9:59	11,988	12,192	13,037	15,626	16,956	49	51	48	41	41
10:00 - 10:59	11,728	11,701	13,298	15,192	16,607	37	77	51	56	57
11:00 - 11:59	13,438	13,482	15,715	17,583	19,125	60	78	69	66	49
P.M.										
12:00 - 12:59	15,023	14,838	17,688	20,359	21,400	61	74	80	77	62
1:00 - 1:59	13,028	13,622	16,095	19,300	21,418	63	58	47	51	64
2:00 - 2:59	14,718	15,790	19,085	22,678	25,209	72	74	65	68	72
3:00 - 3:59	16,511	17,351	21,068	25,531	27,519	77	73	89	92	68
4:00 - 4:59	17,314	18,540	21,526	26,274	28,646	79	61	79	78	91
5:00 - 5:59	17,644	19,387	23,077	27,546	29,997	83	85	81	90	63
6:00 - 6:59	14,194	15,205	18,340	21,940	24,012	107	77	82	74	85
7:00 - 7:59	10,847	11,538	13,991	17,039	18,920	73	70	77	67	71
8:00 - 8:59	8,728	9,476	11,149	13,709	15,723	74	70	63	77	58
9:00 - 9:59	7,622	8,133	10,005	12,158	14,199	67	54	57	63	63
10:00 - 10:59	6,524	7,187	8,677	10,346	12,107	52	60	50	57	48
11:00 - 11:59	5,995	6,321	7,684	9,128	10,512	71	48	70	53	52
Not Stated	8,836	10,253	11,578	8,663	9,877	6	9	6	9	15
Day of Week										
Sunday	27,761	29,806	33,881	40,209	44,928	195	231	215	207	197
Monday	34,761	37,504	41,412	52,538	53,624	182	210	169	189	192
Tuesday	37,930	36,945	45,634	52,314	56,041	213	176	203	184	174
Wednesday	35,921	38,514	44,485	50,882	56,214	168	204	183	208	176
Thursday	35,905	38,857	47,444	52,631	58,473	203	207	204	206	192
Friday	42,588	44,591	51,134	60,627	66,617	211	233	201	207	212
Saturday	35,655	37,387	42,656	47,780	56,348	279	227	220	259	215

1 Figures based on submitted reports for reportable accidents. A reportable accident is one which involves injury or death, or damage of more than \$1,000 to the property of any one person. (Prior to August 1, 1991, the reporting level was \$600.)

SOURCE: New York State Department of Motor Vehicles.

**TABLE M-12**  
**Motor Vehicle Apparent Accident Contributing Factors**  
**New York State**  
**1996-2000**

	1996		1997		1998		1999		2000	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Apparent Contributing Factors Reported <sup>1</sup>	481,429	100.0%	507,260	100.0%	595,000	100.0%	689,101	100.0%	747,216	100.0%
Human	209,673	43.6	222,969	44.0	265,169	38.5	312,481	41.8	344,232	46.1
Alcohol Involvement	7,377	1.5	7,715	1.5	8,678	1.3	9,114	1.2	10,090	1.4
Backing Unsafely	3,409	0.7	4,122	0.8	6,368	0.9	8,488	1.1	9,773	1.3
Driver Inattention	33,011	6.9	35,852	7.1	43,961	6.4	56,500	7.6	66,293	8.9
Driver Inexperience	3,681	0.8	4,168	0.8	4,979	0.7	6,228	0.8	6,589	0.9
Drugs (Illegal)	277	0.1	257	0.1	362	0.1	421	0.1	405	0.1
Failed to Yield Right-of-Way	35,372	7.3	37,988	7.5	45,317	6.6	50,033	6.7	53,999	7.2
Fell Asleep	2,478	0.5	2,426	0.5	3,138	0.5	3,427	0.5	3,438	0.5
Following Too Closely	25,845	5.4	28,412	5.6	36,143	5.2	42,995	5.8	46,721	6.3
Illness	506	0.1	592	0.1	645	0.1	708	0.1	752	0.1
Lost Consciousness	651	0.1	710	0.1	817	0.1	792	0.1	817	0.1
Passenger Distraction	805	0.2	904	0.2	1,096	0.2	1,283	0.2	1,289	0.2
Passing/Lane Usage Improper	8,115	1.7	9,067	1.8	11,197	1.6	13,719	1.8	15,150	2.0
Pedestrian Error/Confusion	4,558	0.9	4,411	0.9	4,650	0.7	4,355	0.6	4,408	0.6
Bicyclist Error/Confusion	2,821	0.6	2,820	0.6	2,754	0.4	2,570	0.3	2,567	0.3
Physical Disability	224	—	233	—	269	—	265	—	272	—
Prescription Medication	184	—	200	—	266	—	244	—	271	—
Traffic Control Disregarded	12,289	2.6	12,577	2.5	13,527	2.0	15,149	2.0	16,137	2.2
Turning Improperly	7,412	1.5	8,078	1.6	9,891	1.4	11,727	1.6	12,688	1.7
Unsafe Speed	21,176	4.4	21,825	4.3	23,811	3.5	28,408	3.8	33,065	4.4
Unsafe Lane Changing	6,272	1.3	6,804	1.3	8,485	1.2	11,262	1.5	12,790	1.7
Other Human Factors	33,210	6.9	33,810	6.7	38,815	5.6	44,793	6.0	46,718	6.3
Vehicular	11,712	2.4	11,490	2.3	12,805	1.9	14,826	2.0	15,328	2.1
Accelerator Defective	337	0.1	341	0.1	379	0.1	409	0.1	390	0.1
Brakes Defective	1,943	0.4	2,087	0.4	2,398	0.3	2,495	0.3	2,566	0.3
Headlight Defective	88	—	70	—	78	—	62	—	91	—
Other Lighting Defects	217	—	200	—	208	—	260	—	203	—
Oversize Vehicle	295	0.1	281	0.1	435	0.1	711	0.1	786	0.1
Steering Failure	535	0.1	466	0.1	619	0.1	672	0.1	669	0.1
Tire Failure/Inadequate	959	0.2	1,016	0.2	1,222	0.2	1,441	0.2	1,586	0.2
Tow Hitch Defective	81	—	64	—	99	—	103	—	128	—
Windshield Inadequate	52	—	47	—	58	—	58	—	57	—
Other Vehicular Factors	7,205	1.5	6,918	1.4	7,309	1.1	8,615	1.2	8,852	1.2
Environmental	51,706	10.7	51,230	10.1	58,808	8.5	74,181	9.9	85,281	11.4
Actions of Animals	4,706	1.0	9,128	1.8	16,689	2.4	21,840	2.9	24,330	3.3
Glare	2,031	0.4	2,552	0.5	2,757	0.4	3,475	0.5	3,655	0.5
Lane Marking Improper/Inadequate	173	—	185	—	175	—	244	—	254	—
Obstruction/Debris	1,520	0.3	1,399	0.3	1,767	0.3	2,268	0.3	2,387	0.3
Pavement Defective	651	0.1	518	0.1	479	0.1	603	0.1	648	0.1
Pavement Slippery	33,106	6.9	28,318	5.6	26,360	3.8	33,370	4.5	41,494	5.6
Shoulders Defective/Improper	135	—	109	—	140	—	150	—	129	—
Traffic Control Device Improper/ Non-working	830	—	680	0.1	697	0.1	713	0.1	744	0.1
View Obstructed/Limited	5,735	1.2	5,716	1.1	6,656	1.0	7,834	1.0	7,592	1.0
Other Environmental Factors	2,819	0.6	2,625	0.5	3,088	0.4	3,684	0.5	4,048	0.5
Unspecified	52,365	10.9	64,568	12.7	61,405	8.9	55,915	7.5	53,027	7.1
None	155,973	32.4	157,003	31.0	196,813	28.6	231,698	31.0	249,348	33.4

NOTE: Percentages may not add to totals and/or subtotals due to rounding.  
 — Represents zero.

SOURCE: New York State Department of Motor Vehicles.

<sup>1</sup> Details do not add to totals because there may have been No Apparent Contributing Factors reported, or there may have been one or more reported per accident.

**TABLE M-13**  
**Motor Vehicle Convictions**  
**by County of Court and Year of Conviction**  
**New York State — 2000**

County of Court	All Convictions	Speeding	Disobeyed Traffic Device	Improper Turn	Failed to Yield	Failed to Keep Right	Passing/Lane Change
New York State	1,918,362	484,683	384,335	37,263	18,537	11,023	26,458
New York City	704,195	112,794	150,732	32,465	3,229	645	12,289
Bronx	98,861	23,007	18,523	6,933	644	140	1,703
Kings	188,707	28,957	43,229	8,283	959	171	2,836
New York	201,611	13,399	46,451	11,095	858	129	2,420
Queens	167,708	32,380	33,127	5,763	592	163	3,343
Richmond	47,308	15,051	9,402	391	176	42	1,987
Rest of State	1,214,167	371,889	233,603	4,798	15,308	10,378	14,169
Albany	34,478	8,875	8,557	53	209	206	265
Allegany	6,039	1,993	1,366	10	53	111	42
Broome	27,920	8,226	7,741	80	486	158	261
Cattaraugus	10,683	3,991	1,572	17	151	170	87
Cayuga	8,667	2,658	2,143	18	89	88	67
Chautauqua	22,112	9,555	4,672	35	219	216	103
Chemung	12,581	5,127	2,331	124	289	94	129
Chenango	5,230	1,798	1,168	20	86	70	26
Clinton	11,384	4,197	1,370	24	178	154	108
Columbia	15,677	6,822	3,611	16	62	123	38
Cortland	9,430	3,668	1,123	16	108	96	71
Delaware	7,891	3,235	1,383	5	37	115	32
Dutchess	32,218	10,604	7,350	82	234	269	153
Erie	74,292	18,773	17,320	184	779	534	794
Essex	9,523	5,368	1,113	19	23	94	21
Franklin	4,785	1,137	1,028	9	46	76	22
Fulton	5,304	827	508	17	73	86	26
Genesee	14,656	5,861	4,793	13	124	74	71
Greene	11,819	5,534	1,898	11	58	121	52
Hamilton	1,490	574	342	—	6	24	2
Herkimer	10,622	5,373	1,131	4	45	88	34
Jefferson	17,463	6,260	2,316	18	171	184	82
Lewis	2,496	763	253	6	10	65	7
Livingston	12,180	5,895	2,925	13	86	111	44
Madison	8,530	2,683	1,353	14	111	75	23
Monroe	75,840	14,151	22,141	185	506	345	765
Montgomery	9,453	4,963	804	14	53	66	33
Nassau	112,169	16,555	19,065	1,617	5,645	704	1,873
Niagara	15,672	4,001	1,804	67	188	129	117
Oneida	25,501	7,237	1,975	162	246	247	140
Onondaga	35,451	9,781	5,040	83	358	173	282
Ontario	19,323	7,622	5,255	19	253	161	79
Orange	51,741	17,450	9,669	135	336	440	395
Orleans	3,892	870	927	8	27	34	6
Oswego	11,997	3,710	1,669	18	193	175	66
Otsego	7,893	2,628	1,711	14	92	127	40
Putnam	11,419	4,324	1,983	14	43	145	95
Rensselaer	14,862	4,831	2,906	15	117	107	51
Rockland	23,899	6,651	4,852	69	131	253	352
St. Lawrence	10,410	3,390	685	17	127	178	36
Saratoga	22,738	8,086	5,185	30	324	207	177
Schenectady	11,266	3,286	2,384	24	149	105	80
Schoharie	4,655	1,657	749	3	37	47	16
Schuyler	1,820	631	505	6	18	27	13
Seneca	8,670	4,622	1,610	4	57	45	35
Steuben	19,700	9,287	4,120	25	179	197	99
Suffolk	143,383	39,823	19,169	673	757	991	4,895
Sullivan	11,842	5,581	1,481	6	48	109	40
Tioga	7,898	4,829	383	10	80	92	47
Tompkins	12,416	4,531	2,909	73	219	153	119
Ulster	25,291	8,033	4,610	20	181	290	164
Warren	9,835	4,084	2,168	11	189	82	57
Washington	7,139	2,084	1,494	12	79	163	37
Wayne	12,686	4,773	2,326	21	223	189	69
Westchester	100,160	30,775	22,434	625	629	863	1,387
Wyoming	5,530	1,273	1,444	5	59	91	31
Yates	2,146	573	779	5	32	41	13

(Continued on the following page)

**TABLE M-13 (continued)**  
**Motor Vehicle Convictions**  
**by County of Court and Year of Conviction**  
**New York State — 2000**

County of Court	DWI <sup>1</sup>	DWAI <sup>2</sup>	Unlicensed Operator	Driving While License Is Suspended or Revoked	Safety Restraints	All Other
New York State	21,037	27,295	148,226	8,308	482,268	268,929
New York City	1,584	2,046	66,371	900	209,552	111,588
Bronx	227	228	13,074	142	21,091	13,149
Kings	405	496	18,686	322	59,825	24,538
New York	217	515	14,265	234	68,918	43,110
Queens	544	614	17,049	126	50,555	23,452
Richmond	191	193	3,297	76	9,163	7,339
Rest of State	19,453	25,249	81,855	7,408	272,716	157,341
Albany	431	1,119	2,680	185	9,018	2,880
Allegany	101	125	168	17	1,565	488
Broome	577	238	1,312	211	5,940	2,690
Cattaraugus	260	182	389	35	2,955	874
Cayuga	255	175	383	45	1,927	819
Chautauqua	472	385	932	78	3,571	1,874
Chemung	375	262	675	50	1,587	1,538
Chenango	61	143	169	23	1,225	441
Clinton	374	228	557	87	2,696	1,411
Columbia	231	98	318	40	3,481	837
Cortland	104	235	398	27	2,633	951
Delaware	57	194	252	36	2,034	511
Dutchess	522	535	1,948	108	8,339	2,074
Erie	1,316	1,850	4,978	549	15,429	11,786
Essex	113	152	141	37	1,782	660
Franklin	98	208	169	11	1,470	511
Fulton	123	368	374	21	2,117	764
Genesee	233	182	373	35	2,222	675
Greene	120	192	485	43	2,626	679
Hamilton	11	27	32	5	345	122
Herkimer	122	202	335	41	1,867	1,380
Jefferson	237	471	679	33	3,957	3,055
Lewis	32	74	102	5	565	614
Livingston	269	128	402	70	1,383	854
Madison	162	208	401	54	2,206	1,240
Monroe	1,764	1,157	10,443	406	14,610	9,367
Montgomery	131	236	318	45	1,966	824
Nassau	879	2,128	6,254	1,039	33,638	22,772
Niagara	347	585	1,046	135	4,289	2,964
Oneida	338	575	1,311	76	7,088	6,106
Onondaga	602	1,123	1,700	233	11,096	4,980
Ontario	524	113	824	95	3,089	1,289
Orange	740	1,022	4,365	200	12,928	4,061
Orleans	89	134	199	18	1,288	292
Oswego	222	348	761	76	2,778	1,981
Otsego	114	262	290	21	1,977	617
Putnam	190	240	638	20	3,114	613
Rensselaer	291	495	870	107	4,106	966
Rockland	390	363	1,814	104	6,882	2,038
St. Lawrence	244	444	623	45	3,351	1,270
Saratoga	350	621	524	122	4,518	2,594
Schenectady	156	269	772	48	2,830	1,163
Schoharie	59	134	159	16	1,440	338
Schuyler	80	49	48	5	294	144
Seneca	116	74	201	30	1,310	566
Steuben	405	329	539	63	2,994	1,463
Suffolk	2,103	2,895	17,509	1,558	19,613	33,397
Sullivan	241	246	686	97	2,406	901
Tioga	115	94	217	49	1,444	538
Tompkins	142	267	504	37	2,362	1,100
Ulster	496	458	1,825	123	6,857	2,234
Warren	183	308	280	33	1,575	865
Washington	150	241	213	40	1,822	804
Wayne	400	180	664	90	2,408	1,343
Westchester	753	1,738	7,332	609	23,529	9,486
Wyoming	119	119	199	15	1,840	335
Yates	64	21	75	7	334	202

— Represents zero.

1 Driving While Intoxicated.

2 Driving While Ability Impaired.

SOURCE: New York State Department of Motor Vehicles.

**TABLE M-14**  
**Convictions for Motor Vehicle Violations by Year of Conviction**  
**New York State — 1997-2000**  
**Year of Conviction**

	Year of Conviction			
	1997	1998	1999	2000
All Convictions	1,576,474	1,742,970	1,857,015	1,918,362
Speeding	446,790	475,773	478,499	484,683
Disobeyed Traffic Device	383,354	417,152	392,536	384,335
Improper Turn	13,627	25,502	38,632	37,263
Failed to Yield	13,544	18,619	16,268	18,537
Failed to Keep Right	12,898	11,634	11,005	11,023
Passing/Lane Change	20,166	23,526	25,902	26,458
Driving While Intoxicated (DWI)	21,931	22,126	21,202	21,037
Driving While Ability Impaired (DWAI)	28,755	28,911	27,373	27,295
Unlicensed Operator	164,817	159,841	155,209	148,226
Driving While License Is Suspended/Revoked	13,178	10,788	9,347	8,308
Safety Restraints	186,111	253,581	410,791	482,268
All Other	271,303	295,517	270,251	268,929

SOURCE: New York State Department of Motor Vehicles.

**TABLE M-15**  
**Persons Killed or Injured in Motorcycle/Moped and Bicycle Accidents, by Age and Sex**  
**New York State — 1996-2000**

	1996		1997		1998		1999		2000	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
Motorcycle/Moped Accidents <sup>1</sup>	105	4,110	118	4,166	119	4,241	115	4,466	121	4,405
Males	98	3,421	112	3,517	110	3,543	109	3,733	116	3,704
Females	7	687	6	645	9	694	6	732	5	699
Age										
0 - 4	1	18	—	18	—	18	—	17	—	13
5 - 14	—	129	4	101	1	106	—	85	2	91
15 - 24	39	1,136	38	1,081	31	1,022	32	1,113	31	1,028
25 - 44	50	2,109	51	2,193	72	2,218	63	2,308	67	2,308
45 - 64	14	550	20	596	14	679	18	729	19	739
65+	1	90	4	84	1	91	2	105	2	79
Unknown	—	78	1	90	—	107	—	109	—	147
Bicycle Accidents <sup>1,2</sup>	44	9,431	51	9,510	53	8,935	46	8,079	38	7,289
Males	41	7,956	46	8,025	47	7,467	43	6,877	35	6,151
Females	3	1,471	5	1,482	6	1,466	3	1,197	3	1,136
Age										
0 - 4	—	64	—	53	1	54	—	51	—	31
5 - 14	6	2,505	12	2,508	12	2,339	12	2,066	7	2,051
15 - 24	11	2,939	7	2,826	9	2,525	10	2,292	8	2,003
25 - 44	15	2,871	14	3,034	16	2,828	12	2,411	8	2,129
45 - 64	9	638	7	706	11	776	7	801	10	735
65+	1	140	5	146	3	160	4	153	5	118
Unknown	2	274	6	237	1	253	1	305	—	222

NOTE: Detail does not include persons for whom sex was unspecified.  
Therefore detail does not add to total.  
— Represents zero.

2 Includes only bicycle accidents involving motor vehicles.  
SOURCE: New York State Department of Motor Vehicles.

1 Includes persons for whom sex was not specified.

**TABLE M-16**  
**Highway Mileage by Jurisdiction**  
**New York State by County — 2000**

County	Total Mileage	State <sup>1</sup>	County	Town	City	Village	Other <sup>2</sup>
New York State	112,715	15,026	20,399	57,474	12,067	6,299	1,461
New York City	5,994	141	—	—	5,729	—	125
Bronx	780	32	—	—	725	—	22
Kings	1,516	19	—	—	1,475	—	21
New York	567	15	—	—	508	—	45
Queens	2,391	54	—	—	2,308	—	29
Richmond	741	22	—	—	712	—	8
Rest of State	106,721	14,886	20,399	57,474	6,338	6,299	1,336
Albany	2,018	292	289	977	341	78	42
Allegany	1,901	229	344	1,251	—	72	4
Broome	1,974	297	340	1,052	156	116	14
Cattaraugus	2,146	327	405	1,202	98	73	43
Cayuga	1,643	276	521	701	93	38	14
Chautauqua	2,477	351	545	1,207	189	138	47
Chemung	1,127	124	244	572	123	72	4
Chenango	1,749	262	309	1,112	24	39	3
Clinton	1,530	279	362	796	53	25	16
Columbia	1,521	265	267	914	31	26	19
Cortland	1,028	199	248	512	44	24	1
Delaware	2,218	342	270	1,518	—	84	4
Dutchess	2,397	371	393	1,411	118	63	41
Erie	4,519	495	1,179	1,691	748	263	144
Essex	1,356	329	357	629	—	31	10
Franklin	1,416	266	266	791	—	62	31
Fulton	851	143	144	437	101	23	2
Genesee	1,037	192	258	461	49	32	46
Greene	1,192	193	261	655	—	55	28
Hamilton	461	179	95	176	—	11	—
Herkimer	1,529	241	578	566	24	95	26
Jefferson	2,147	408	555	995	94	95	1
Lewis	1,331	154	249	895	—	32	—
Livingston	1,361	267	239	767	—	78	10
Madison	1,458	170	438	722	48	61	18
Monroe	3,383	479	649	1,523	535	114	82
Montgomery	1,033	178	394	295	76	51	39
Nassau	4,127	214	499	2,138	114	1,151	11
Niagara	1,620	244	284	594	424	32	42
Oneida	2,844	421	593	1,273	395	114	48
Onondaga	3,052	411	800	1,223	394	177	47
Ontario	1,525	225	239	903	76	51	30
Orange	2,493	397	315	1,337	159	217	68
Orleans	809	158	197	388	—	53	14
Oswego	1,943	287	503	967	138	45	4
Otsego	2,102	290	477	1,246	41	43	4
Putnam	821	134	117	558	—	12	—
Rensselaer	1,755	265	337	914	183	45	9
Rockland	1,170	97	168	546	—	279	79
Saratoga	2,059	268	363	1,182	159	85	2
Schenectady	919	149	221	329	177	27	16
Schoharie	1,175	188	322	630	—	32	3
Schuyler	712	104	122	449	—	38	1
Seneca	744	157	157	356	—	51	22
St Lawrence	3,137	516	575	1,842	49	135	19
Steuben	3,146	364	678	1,903	99	101	1
Suffolk	7,385	498	432	5,713	—	638	104
Sullivan	2,050	202	387	1,386	4	67	5
Tioga	1,125	155	145	772	—	54	—
Tompkins	1,241	163	307	625	68	69	9
Ulster	2,289	283	423	1,382	111	40	50
Warren	1,241	220	247	698	62	7	7
Washington	1,588	232	286	983	—	84	3
Wayne	1,550	174	406	837	—	131	3
Westchester	3,369	452	179	1,368	741	584	46
Wyoming	1,121	206	240	621	—	53	2
Yates	807	107	181	486	—	32	—

NOTE: Totals for rows and columns may not agree due to rounding.

— Represents zero.

<sup>1</sup> Includes all roadways and applicable parkways that have assigned State Highway numbers. These highways and parkways are owned by the New York State Department of Transportation.

<sup>2</sup> Includes mileage under jurisdiction of authorities/commissions and State Agencies other than New York State Department of Transportation (e.g., Indian Reservations, institution roads, National Park roads, parkways and toll roads).

SOURCE: New York State Department of Transportation, Highway Data Services, 2001.

**TABLE M-17**  
**Highway Utilization**  
**New York State — 1978-2000**

Year	Vehicle Miles of Travel <sup>1</sup> (billions)
1978	81.50
1979	77.82
1980	77.62
1981	79.13
1982	80.48
1983	83.77
1984	87.03
1985r	90.85
1986r	94.95
1987r	100.10
1988	103.37
1989	106.06
1990	106.90
1991	107.66
1992	109.89
1993	112.24
1994	112.98
1995	115.17
1996	118.41
1997	120.79
1998	123.37
1999	126.49
2000	128.70

r Revised.

1 Estimated vehicle travel on all public roads, streets and highways within New York State.

SOURCE: New York State Department of Transportation, Planning Data Analysis Group, 2000.

**TABLE M-18**  
**Bridges by Owner and Condition**  
**New York State — as of April 2001**

Owner	All Bridges in Inventory	Condition	
		Deficient <sup>1</sup>	Closed <sup>2</sup>
Grand Total	19,506	7,409	119
State	7,798	2,192	14
Non-State	11,708	5,217	105
County	6,068	2,366	49
Town	1,395	599	27
Village	173	82	1
City			
New York City	716	458	2
Other Cities	536	274	8
Railroads	1,282	752	6
Authorities, Commissions, etc.	1,538	686	12

1 A deficient bridge is one whose structural condition has resulted in a degradation in its ability to function structurally in comparison to the bridge's original functional condition. Most bridges are designed with excess structural capacity and redundancy; therefore, bridges classified as deficient, except for the most severe cases, are still capable of safe operation.

2 Includes bridges being replaced or rehabilitated.

SOURCE: New York State Department of Transportation, Structures Division, 2001.

**TABLE M-19**  
**Surface Pavement Condition on the Highway Route System**  
**New York State — 1990 and 1997-2001**

	Level	Lane-Miles of Pavement <sup>1</sup>					
		1990	1997	1998	1999	2000	2001
Excellent	10	683	614	1,041	951	846	508
	9	2,250	3,170	4,422	4,075	3,834	3,030
Good-to-Fair	8	6,284	5,358	5,013	6,127	5,755	6,188
	7	12,039	12,736	12,740	13,706	15,640	15,747
	6	13,362	11,102	10,318	9,233	8,720	9,711
Poor	5	4,748	3,766	3,293	2,810	2,424	2,220
	4	357	262	151	163	143	101
	3	58	13	—	1	2	—
	2	—	1	—	—	—	—
	1	—	—	—	—	—	—
Total Lane-Miles		39,781	37,022	36,979	37,066	37,364	37,505
Average Condition <sup>2</sup>		6.72	6.84	6.99	7.05	7.05	6.98

— Represents zero.

1 Number of lanes times length of section.

2 Computed mean of each distribution.

SOURCE: New York State Department of Transportation, Highway Data Services, 2001.

**TABLE M-20**  
**New York State Thruway Traffic (Controlled System)**  
**2000**

Inter-Change Number	Name	Mile Post	Entry Traffic	Total Exit Traffic	Type of Exit Traffic				
					Passenger		Commercial	Non-Revenue	
					Full Fare <sup>1</sup>	Permits			
15	Woodbury	45	7,481,437	7,238,482	5,458,032	269,292	1,487,628	23,530	
16	Harriman	45	854,619	920,292	806,915	51,609	48,124	13,644	
17	Newburgh	60	5,151,141	5,269,112	3,790,115	383,546	1,047,344	48,107	
18	New Paltz	76	2,222,188	2,266,668	1,877,908	217,693	152,829	18,238	
19	Kingston	91	2,760,695	2,849,766	2,308,485	278,222	231,943	31,116	
20	Saugerties	101	1,409,524	1,330,261	1,039,659	169,334	104,823	16,445	
21	Catskill	114	1,422,402	1,451,143	1,087,528	201,202	140,713	21,700	
21B	Coxsackie	124	1,043,113	1,011,513	589,906	280,359	128,550	12,698	
22	Selkirk	135	694,421	694,068	446,179	108,151	114,476	25,262	
23	Southern Boulevard	142	4,361,399	4,468,349	3,187,342	701,499	458,187	121,321	
24	Washington Avenue	148	12,472,254	13,086,982	10,372,259	956,962	1,663,303	94,458	
25	Schenectady	154	6,150,015	5,946,698	4,916,897	706,482	266,681	56,638	
25A	Schenectady I-88	159	3,501,450	3,387,292	2,615,902	54,981	694,255	22,154	
26	Rotterdam	162	1,064,191	1,058,111	774,572	156,449	114,234	12,856	
27	Amsterdam	174	1,559,348	1,549,244	1,060,890	309,680	158,460	20,214	
28	Fultonville	182	923,703	924,443	441,315	69,396	402,154	11,578	
29	Canajoharie	194	439,233	429,540	297,529	58,263	64,747	9,001	
29A	Little Falls	211	208,778	213,786	147,152	22,899	40,190	3,545	
30	Herkimer	220	643,359	663,593	508,745	56,084	87,338	11,426	
31	Utica	233	1,865,514	1,870,374	1,371,238	144,651	326,672	27,813	
32	Westmoreland	243	1,079,688	1,097,324	801,568	178,499	105,209	12,048	
33	Verona	253	2,278,642	2,259,305	1,707,982	259,368	275,740	16,215	
34	Canastota	262	1,470,324	1,418,785	952,944	334,930	115,002	15,909	
34A	Collamer	277	2,810,480	2,686,182	1,964,973	351,306	350,086	19,817	
35	Thompson	279	2,178,340	2,287,860	1,548,796	391,631	316,268	31,165	
36	Mattydale	283	3,050,712	3,074,360	2,258,561	222,782	569,814	23,203	
37	Electronics Parkway	284	988,527	1,045,072	782,526	180,809	63,217	18,520	
38	Liverpool	286	1,141,051	1,051,842	792,687	156,801	93,108	9,246	
39	State Fair	290	2,748,737	2,749,456	1,924,469	258,821	547,267	18,899	
40	Weedsport	304	1,234,177	1,205,124	783,658	207,041	198,533	15,892	
41	Waterloo	320	1,083,987	1,072,686	809,925	87,175	164,871	10,715	
42	Geneva	327	1,662,845	1,695,239	1,264,382	157,791	260,778	12,288	
43	Manchester	340	1,437,863	1,402,940	1,039,751	205,164	149,407	8,618	
44	Canandaigua	347	2,657,239	2,569,808	2,141,556	236,194	177,029	15,029	
45	Victor	351	4,839,948	4,951,348	4,163,043	427,033	342,362	18,910	
46	Henrietta	362	3,460,356	3,581,169	2,578,332	330,539	649,091	23,207	
47	LeRoy	379	2,417,834	2,339,996	1,769,940	146,437	402,800	20,819	
48	Batavia	390	1,459,285	1,459,403	1,026,774	156,449	253,607	22,573	
48A	Pembroke	402	1,917,995	1,854,116	1,068,752	121,341	653,547	10,476	
49	Depew	417	2,994,722	3,079,570	2,593,023	119,710	347,661	19,176	
50	Williamsville	420	8,581,264	8,627,900	6,046,213	310,348	2,223,201	48,138	
55	Lackawanna	429	8,410,285	8,372,511	6,040,174	371,627	1,917,144	43,566	
56	Blasdell	432	2,383,621	2,321,309	1,959,858	120,471	226,970	14,010	
57	Hamburg	436	2,063,808	2,136,089	1,728,677	152,834	238,467	16,111	
57A	Angola	445	1,039,836	957,811	764,853	114,047	69,279	9,632	
58	Silver Creek	456	981,436	1,032,130	771,521	120,182	123,415	17,012	
59	Dunkirk	468	1,614,593	1,623,368	1,235,932	109,369	256,815	21,252	
60	Westfield	485	279,030	294,280	235,531	11,160	40,586	7,003	
61	State Line	496	3,795,029	3,830,140	2,042,135	18,212	1,757,645	12,148	
	Subtotal		128,290,438	128,706,840	95,897,104	11,054,825	20,621,570	1,133,341	
					- - -Berkshire Spur - - -				
B 1	Post Road	B 7	3,113,773	2,766,925	2,097,327	82,202	564,953	22,443	
B 2	Taconic Parkway	B 15	813,715	754,329	697,045	34,498	9,912	12,874	
B 3	Canaan	B 18	4,123,346	4,113,178	2,890,133	49,000	1,161,278	12,767	
	Subtotal		8,050,834	7,634,432	5,684,505	165,700	1,736,143	48,084	
	GRAND TOTAL		136,341,272	136,341,272	101,581,609	11,220,525	22,357,713	1,181,425	

1 Full Fare includes cash payments as well as E-ZPass tolls members who have E-ZPass without a permit plan.

SOURCE: New York State Thruway Authority.

**TABLE M-21**  
**New York State Thruway**  
**Bridges and Barriers — Traffic and Revenue Summary**  
**1999-2000**

	Traffic		Revenue	
	1999	2000	1999	2000
Total Thruway Bridges and Barriers	116,369,494	121,008,363	\$ 138,551,257	\$ 143,637,100
Non-Revenue Traffic	508,365	480,736	—	—
Toll Traffic	115,861,129	120,527,627	138,551,257	143,637,100
Passenger Vehicles	103,189,080	107,216,213	99,890,966	103,753,722
Commercial Vehicles	12,672,049	13,311,414	38,660,291	39,883,378
Grand Island Bridges	20,158,133	20,714,588	8,633,218	8,970,728
Passenger Vehicles	18,246,307	18,696,187	5,971,821	6,176,008
Commercial Vehicles	1,911,826	2,018,401	2,661,397	2,794,720
Tappan Zee Bridge <sup>1</sup>	24,101,423	24,432,386	70,051,332	72,234,002
Passenger Vehicles	22,693,813	22,931,951	54,155,715	55,868,808
Commercial Vehicles	1,407,610	1,500,435	15,895,617	16,365,194
Yonkers Barrier	18,196,739	19,662,782	10,768,176	11,655,666
Passenger Vehicles	16,115,367	17,409,547	8,058,952	8,705,604
Commercial Vehicles	2,081,372	2,253,235	2,709,224	2,950,062
New Rochelle Barrier <sup>1</sup>	20,196,966	20,804,011	25,354,260	25,983,778
Passenger Vehicles	17,271,707	17,809,979	17,271,707	17,809,980
Commercial Vehicles	2,925,259	2,994,032	8,082,553	8,173,798
Spring Valley Barrier <sup>1</sup>	1,224,918	1,308,053	4,302,811	4,451,917
Passenger Vehicles	—	—	—	—
Commercial Vehicles	1,224,918	1,308,053	4,302,811	4,451,917
Harriman Barrier	16,346,303	17,345,672	9,413,920	9,938,875
Passenger Vehicles	15,110,052	16,069,949	7,555,955	8,036,326
Commercial Vehicles	1,236,251	1,275,723	1,857,965	1,902,549
Buffalo City Line <sup>1</sup>	7,897,528	8,146,301	5,529,286	5,648,274
Passenger Vehicles	6,577,488	6,807,691	3,289,205	3,408,499
Commercial Vehicles	1,320,040	1,338,610	2,240,081	2,239,775
Black Rock Barrier <sup>1</sup>	7,739,119	8,113,834	4,498,254	4,753,860
Passenger Vehicles	7,174,346	7,490,909	3,587,611	3,748,497
Commercial Vehicles	564,773	622,925	910,643	1,005,363

— Represents zero.

SOURCE: New York State Thruway Authority.

1 One-way trips.

**TABLE M-22**  
**New York State Thruway**  
**Traffic and Revenue — One-Day Records**  
**As of December 31, 2000**

Location	Traffic		Revenue	
	Trips	Date	Amount	Date
Entire Thruway System	947,019	September 1, 2000	\$ 1,599,708	June 30, 2000
Controlled System	532,079	September 1, 2000	1,116,631	September 1, 2000
Grand Island Bridges	81,230a	August 4, 2000	36,075	August 4, 2000
Tappan Zee Bridge	83,289a	November 24, 1999	243,437	June 30, 2000
Yonkers Barrier	72,011	September 17, 1999	41,619	June 30, 2000
New Rochelle Barrier	75,469a	July 24, 1998	89,374	July 24, 1998
Spring Valley Barrier	5,661b	May 12, 2000	19,648	May 12, 2000
Harriman Barrier	63,909	August 25, 2000	36,403	August 25, 2000
Buffalo City Line	31,337a	August 4, 2000	21,023	June 23, 2000
Black Rock Barrier	34,167a	May 29, 1998	19,720	May 29, 1998

a One-way trips.

SOURCE: New York State Thruway Authority.

b One-way commercial trips only.

**TABLE M-23**  
**Public Transit Service**  
**New York State**  
**Fiscal Years 1977-78 — 1999-2000**  
**(millions)**

Fiscal Year Ending	Entire State		Upstate <sup>1</sup>		Downstate <sup>2</sup>	
	Passengers	Vehicle Miles	Passengers	Vehicle Miles	Passengers	Vehicle Miles
1978	1,982	496	85	38	1,897	458
1979	2,047	511	89	40	1,958	471
1980	2,113	525	97	42	2,017	483
1981	1,976	522	96	44	1,880	478
1982	1,931	543	97	44	1,834	499
1983	1,893	549	96	46	1,798	503
1984	1,896	562	99	51	1,797	511
1985	1,897	571	98	50	1,799	521
1986	1,900	575	95	51	1,805	524
1987	1,914	593	91	51	1,823	542
1988	1,951	610	90	51	1,861	559
1989	1,945	610	89	50	1,856	560
1990	1,939r	614	89	50	1,850r	564
1991r	1,858	601	85	48	1,773	553
1992r	1,809	593	80	47	1,730	546
1993r	1,795	591	76	46	1,719	545
1994r	1,851	596	76	48	1,775	548
1995r	1,913	606	74	49	1,839	557
1996	1,903r	617r	71	48	1,832	569r
1997	1,898	609	68	48	1,830	561
1998	2,082	619	68	48	2,014	574
1999	2,254	634	67	48	2,187	586
2000	2,403	661	68	50	2,335	611

NOTE: Detail may not add to totals due to rounding. Detail not available prior to 1979.

r Table data revised by Passenger Transportation Division.

1 Includes all public and private operators in New York State outside of region described in Footnote 2.

2 Includes all public and private operators of bus, subway, commuter rail, or ferry services in New York City and the counties of Nassau, Suffolk, Westchester, Putnam, Dutchess, Rockland, and Orange.

SOURCE: New York State Department of Transportation, Passenger Transport Division, *2000 Annual Report on Public Transportation Assistance Programs in New York State*, Table II-1, June 2001.

**TABLE M-24**  
**Metropolitan Transportation Authority Summary Data**  
**New York State — 1995-2001**

	1995(r)	1996(r)	1997(r)	1998	1999(r)	2000(r)	2001
<b>Metropolitan Transportation Authority Totals</b>							
Average Weekday Paid Rides	5,752,270a	5,501,987a	6,140,968a	6,646,286a	7,044,024a	7,459,452a	7,638,628a
Number of Rail Route Miles <sup>1</sup>	915	915	973	968	950	950	950
Annual Paid Rides	1,712,026,621a	1,656,917,726a	1,845,995,171a	2,006,241,270a	2,132,812,779a	2,270,720,782a	2,338,144,200a
<b>MTA New York City Transit</b>							
<b>Subways</b>							
Average Weekday Paid Rides	3,654,374	3,676,889	3,759,234	3,974,926	4,226,611	4,522,215	4,579,240
Route Miles <sup>1</sup>	244	244	244	233	233	233	233
Annual Paid Rides	1,093,029,230	1,109,327,000	1,131,675,966	1,202,734,983	1,283,081,633	1,381,078,913	1,405,304,701
<b>Buses</b>							
Average Weekday Paid Rides	1,538,768	1,260,210	1,770,163	2,041,856	2,169,759	2,267,078	2,382,718
Route Miles <sup>2</sup>	1,617	1,638	1,671	1,671	1,671	1,671	1,671
Annual Paid Rides	459,570,627	386,300,000	540,912,153	625,556,297	666,441,968	698,898,863	739,482,866
<b>MTA Bridges and Tunnels</b>							
Average Weekday Tolls	752,497b	733,910b	754,821b	791,075b	816,292	837,637	825,729
Number of Bridges	7	7	7	7	7	7	7
Number of Tunnels	2	2	2	2	2	2	2
Annual Paid Tolls	266,031,398b	260,163,281b	266,519,564b	279,463,396b	289,012,534b	296,692,531	293,219,838
<b>MTA Long Island Bus</b>							
Average Weekday Paid Rides <sup>3</sup>	61,609	63,113	90,097	94,900	99,121	101,762	103,492
Route Miles <sup>2</sup>	916	601	684	684	966	970	975
Annual Paid Rides <sup>3</sup>	18,569,538	18,960,631	26,693,322	28,181,057	29,254,077	30,056,646	30,731,605
<b>MTA Long Island Rail Road</b>							
Average Weekday Paid Rides	261,302	264,826	283,345	290,486	296,793	304,227	306,236
Route Miles <sup>1</sup>	319	319	319	319	319	319	319
Annual Paid Rides	73,578,814	74,411,000	78,642,913	79,761,275r	81,556,246	84,730,852	85,602,984
<b>MTA Metro-North Railroad<sup>4</sup></b>							
Average Weekday Paid Rides	217,420	218,783	222,580	231,065	237,348	249,173	252,541
Route Miles in New York State <sup>1</sup>	338	338	338	402	384	384	384
Annual Paid Rides	62,217,299	62,932,599	63,854,170	66,409,351	68,532,613	71,842,688	73,058,408
<b>MTA Staten Island Railway</b>							
Average Weekday Paid Rides <sup>5</sup>	18,797	18,166	15,549	13,053	14,392	14,997	14,401
Route Miles <sup>1</sup>	14	14	14	14	14	14	14
Annual Paid Rides <sup>5</sup>	5,061,113	4,986,496	4,216,647	3,598,307	3,946,242	4,112,820	3,963,636

r Revised.

a Does not include MTA Bridges and Tunnels vehicle counts.

b Denotes vehicles passing through bridge and tunnel tollgates.

1 Non-directional route miles; i.e., the distance from terminal to terminal. Several train lines may share the same route.

2 Non-directional route miles; i.e., the distance from terminal to terminal. Several bus lines may share the same route.

3 Beginning in 1997, Long Island Bus ridership includes paid rides, transfers, and employees.

4 Includes operations on the Harlem, Hudson, and New Haven lines in New York State and Connecticut as well as the New York State portions of the Port Jervis and Pascack Valley lines.

5 Staten Island Railway eliminated on-board fare collection in 1997, resulting in a loss in paid ridership.

SOURCE: State of New York, Metropolitan Transportation Authority.

**TABLE M-25**  
**Rail Freight Traffic**  
**New York State — 1978-2000**  
**(thousands)**

Year	Carloads <sup>1</sup>	Tonnage <sup>1</sup>
1978	714	44,499
1979	813	52,264
1980	812	42,910a
1981	788	NA
1982	719	NA
1983	639	NA
1984	708	NA
1985	718	47,618
1986	671	44,924
1987	557	36,650
1988	619	41,473
1989	578	38,601
1990	560	38,640
1991	601	41,469
1992	537	NA
1993	530	NA
1994	514	NA
1995	471	NA
1996	597	39,320
1997	606	40,310
1998r	618	39,626
1999	582	36,985
2000	560	35,332

NA Not available.

r Revised.

a Enhanced by A.L.K.K. Associates for I.C.C.; may not be comparable with previous historical data.

<sup>1</sup> Includes all carloads originating or terminating in New York State.

SOURCE: Association of American Railroads, material compiled by New York State Department of Transportation, Freight and Economic Development Division, 2001.

**TABLE M-26**  
**Amtrak Ridership in New York State**  
**1980-2001**  
**(thousands)**

Year	Total <sup>1</sup>	Adirondack	Empire
1980	1,115,000	80,000	1,035,000
1981	1,207,000	77,000	1,130,000
1982	1,159,000	76,000	1,083,000
1983	1,250,000	76,000	1,174,000
1984	1,267,692	65,261	1,202,431
1985	1,310,338	66,358	1,243,980
1986	1,341,939	62,959	1,278,980
1987	1,442,130	87,576	1,354,554
1988	1,500,712	98,192	1,402,520
1989	1,401,726	86,221	1,315,505
1990	1,497,068	63,668	1,433,400
1991r	1,434,839	73,307	1,361,532
1992	1,465,694	83,831	1,381,863
1993	1,380,304	74,074	1,306,230
1994	1,072,000	89,001	982,999
1995	1,046,000	95,929	950,071
1996	1,073,863	94,933	978,930
1997	1,155,869	98,706	1,057,163
1998	1,248,827	82,679	1,166,148
1999	1,359,162	96,477	1,262,685
2000	1,421,244	100,707	1,320,537
2001	1,193,379	99,783	1,093,596

NOTE: Adirondack includes trips between New York City and Montreal with at least one endpoint between Albany and Montreal.

<sup>1</sup> 1980-1993: Data are based on calendar year; includes Lakeshore Ltd. 1994-2001: Data are based on Federal Fiscal Year; do not include Lakeshore Ltd. (Lakeshore Ltd. is no longer part of Northeast

Corridor); Amtrak estimates the Lakeshore Ltd. contributes roughly 25,000 passenger/year to total ridership in New York State.

SOURCE: New York State Department of Transportation, Freight and Economic Division Amtrak Ridership Reports (calendar year) and Amtrak Monthly Invoices (Federal Fiscal Year).

**TABLE M-27**  
**Pleasure Craft Activity on the New York State Canal System**  
**by Canal Section — 1970-2000**

Year	All Pleasure Craft <sup>1</sup>	Canal Section			Cayuga and Seneca
		Erie	Champlain	Oswego	
1970	103,802	55,744	20,294	13,932	13,832
1971	98,742	52,773	18,204	14,056	13,709
1972	84,249	45,297	18,553	11,285	9,114
1973	97,498	55,325	17,534	13,522	11,117
1974	85,985	47,676	15,014	12,382	10,913
1975	85,603	42,956	18,309	14,051	10,287
1976	90,951	52,402	17,082	12,509	8,958
1977	87,004	49,713	15,714	11,967	9,610
1978	90,839	52,648	14,968	13,158	10,065
1979	76,378	45,251	11,825	11,756	7,546
1980	79,469	47,803	11,892	12,061	7,713
1981	82,421	49,374	13,641	12,262	7,144
1982	83,451	51,531	12,579	12,241	7,100
1983	94,618	57,048	14,761	14,010	8,799
1984	95,430	58,923	14,163	13,808	8,536
1985	110,105	69,052	16,150	16,915	7,988
1986	120,639	74,390	17,680	18,288	10,281
1987	141,879	85,846	22,552	21,780	11,701
1988	152,433	91,170	24,541	21,895	14,827
1989	159,141	93,353	26,756	24,301	14,731
1990	157,532	92,771	26,071	23,753	14,937
1991	147,566	85,661	26,029	22,826	13,050
1992	132,381	77,523	26,316	19,311	9,231
1993	136,619	81,587	25,447	18,353	11,232
1994	115,684	67,795	21,315	18,009	8,565
1995	126,051	74,337	22,417	20,134	9,163
1996r	127,699	80,211	20,449	18,025	9,014
1997r	138,619	88,487	23,175	18,584	8,373
1998r	141,929	89,045	24,342	18,857	9,685
1999	141,965	89,265	23,828	19,501	9,371
2000	129,304	79,737	23,028	17,916	8,623

r Revised.

1 Number of pleasure craft raised or lowered from one level to another.

SOURCE: New York State Thruway Authority/New York State Canal Corporation.

**TABLE M-28**  
**Airfields by Type of Facility and Use**  
**New York State — 1974-2000**

Year	All Airfields	Type			Use	
		Airport	Heliport	Seaplane Base	Public <sup>1</sup>	Private <sup>2</sup>
1974	466	361	79	26	223	243
1975	476	370	79	27	230	246
1976	478	365	84	29	234	244
1977	459	372	65	22	232	227
1978	489	379	80	30	229	260
1979	481	370	80	31	224	257
1980	467	365	75	27	212	255
1981	483	369	88	26	205	278
1982	507	375	106	26	198	309
1983	475	371	77	27	212	263
1984	479	348	107	24	198	281
1985	479	349	107	23	191	288
1986	472	362	103	7	194	278
1987	486	349	115	22	186	300
1988	505	366	117	22	178	327
1989	489	361	107	21	171	318
1990	489	361	107	21	169	320r
1991	496	364	111	21	169	327r
1992	516	377	115	24	169	347
1993	445	329	95	21	162	283
1994	444	329	94	21	162	282
1995	438	332	87	19	162	276
1997a	525	370	133	22	164	364
1998	524	370	133	21	163	361
1999	539	373	146	20	163	378
2000b	533	371	143	19	162	371

r Revised.

a Includes 1996 and 1997 data.

b Two Private Gliderports are included in the Airport and Private Use columns.

1 Airfield available for public use.

2 Privately owned airfields. Not open to the public.

SOURCE: New York State Department of Transportation, Passenger Transport Division, February 2001.

**TABLE M-29**  
**Volume of Air Traffic by Certificated U.S. Flag Air Carriers<sup>1</sup>**  
**New York State**  
**1996-1999**

City	Airport <sup>2</sup>	Passenger Enplanements <sup>3</sup>			
		1996(r)	1997	1998	1999
All Services		32,162,575	32,836,634	33,195,458	34,836,666
Albany	Albany County	999,712	1,035,249	1,089,109	1,140,518
Binghamton	Broome County	145,673	145,861	141,330	136,305
Buffalo	Greater Buffalo International	1,557,236	1,553,700	1,640,878	1,827,466
Elmira	Elmira/Corning Regional	100,938	98,841	104,550	108,124
Ithaca	Tompkins County	104,304	107,090	100,451	101,945
Jamestown	Chautauqua County	26,378	28,509	23,726	20,827
Massena	Massena International	2,344	3,364	4,171	4,110
Monticello	Sullivan County International	—	27	27	NA
New York City Area					
New York City	J.F.K. International	15,113,286	15,199,099	15,031,100	15,375,183
New York City	La Guardia	10,409,524	10,861,757	11,404,082	11,968,030
Islip	Long Island Mac Arthur	544,702	510,225	438,118	982,379
White Plains	Westchester County	485,994	526,737	478,285	508,011
East Hampton	East Hampton	—	307	6	NA
Farmingdale	Republic	—	852	841	NA
Newburgh	Stewart International	412,931	418,673	362,932	307,685
Ogdensburg	Ogdensburg International	1,024	1,446	2,492	2,659
Plattsburgh	Clinton County	12,131	13,253	14,000	12,138
Poughkeepsie	Dutchess County	7,187	6,549	5,522	5,905
Rochester	Greater Rochester International	1,216,651	1,255,255	1,266,294	1,227,154
Saranac Lake	Adirondack	4,461	4,841	5,554	5,272
Syracuse	Syracuse-Hancock International	999,141	1,046,387	1,063,497	1,088,456
Utica	Oneida County	16,826	16,103	14,248	10,901
Watertown	Watertown International	2,132	2,509	4,245	3,598
City	Airport <sup>2</sup>	Cargo/Mail (Tons)			
		1996	1997	1998	1999
All Services		2,111,704	2,090,395	1,976,985	NA
Total Domestic		779,695	758,017	702,419	NA
Albany	Albany County	8,885	6,937	3,914	NA
Binghamton	Broome County	189	166	138	NA
Buffalo	Greater Buffalo International	49,850	63,806	58,065	NA
Elmira	Elmira/Corning Regional	164	152	129	NA
Ithaca	Tompkins County	45	46	43	NA
Jamestown	Chautauqua County	14	19	11	NA
Massena	Massena International	—	—	—	NA
Monticello	Sullivan County International	—	—	—	NA
New York City Area					
New York City	J.F.K. International	474,788	506,571	489,849	NA
New York City	La Guardia	93,161	89,404	72,350	NA
Islip	Long Island-MacArthur	1,498	1,619	1,305	NA
White Plains	Westchester County	—	—	—	NA
Newburgh	Stewart International	130,581	60,249	51,466	NA
Ogdensburg	Ogdensburg International	—	—	—	NA
Plattsburgh	Clinton County	—	—	—	NA
Poughkeepsie	Dutchess County	—	—	—	NA
Rochester	Greater Rochester International	NA	2,932	2,581	NA
Saranac Lake	Adirondack	—	—	—	NA
Syracuse	Syracuse-Hancock International	20,520	26,116	22,568	NA
Utica	Oneida County	—	—	—	NA
Watertown	Watertown International	—	—	—	NA
Total Overseas		1,332,009	1,332,378	1,274,566	NA
New York City	J.F.K. International	1,329,508	1,329,407	1,271,081	NA
New York City	La Guardia	2,501	2,971	3,485	NA

NOTE: In areas where a (—) appears, there is no regularly scheduled passenger service. However, carrier service or charter flights may originate or land at that site.

NA Not available.

r Revised

1 Certificated Airlines provide service for public convenience and necessity.

2 Excludes airfields having no certificated airline services.

3 "Enplanements" are the total number of passengers boarding an aircraft for a one-way trip. Includes all revenue passengers boarding aircraft in scheduled service certificated by the Civil Aeronautics Board including originating, stopover and transfer passengers.

SOURCE: N.Y.C. area: *1999 Annual Traffic Report*, Port Authority of New York and New Jersey; Rest of State: FAA DOT/TSC, ACAIS Database, Airport Monthly Reports, material compiled by Passenger Transportation Division, New York State Department of Transportation, 2000.