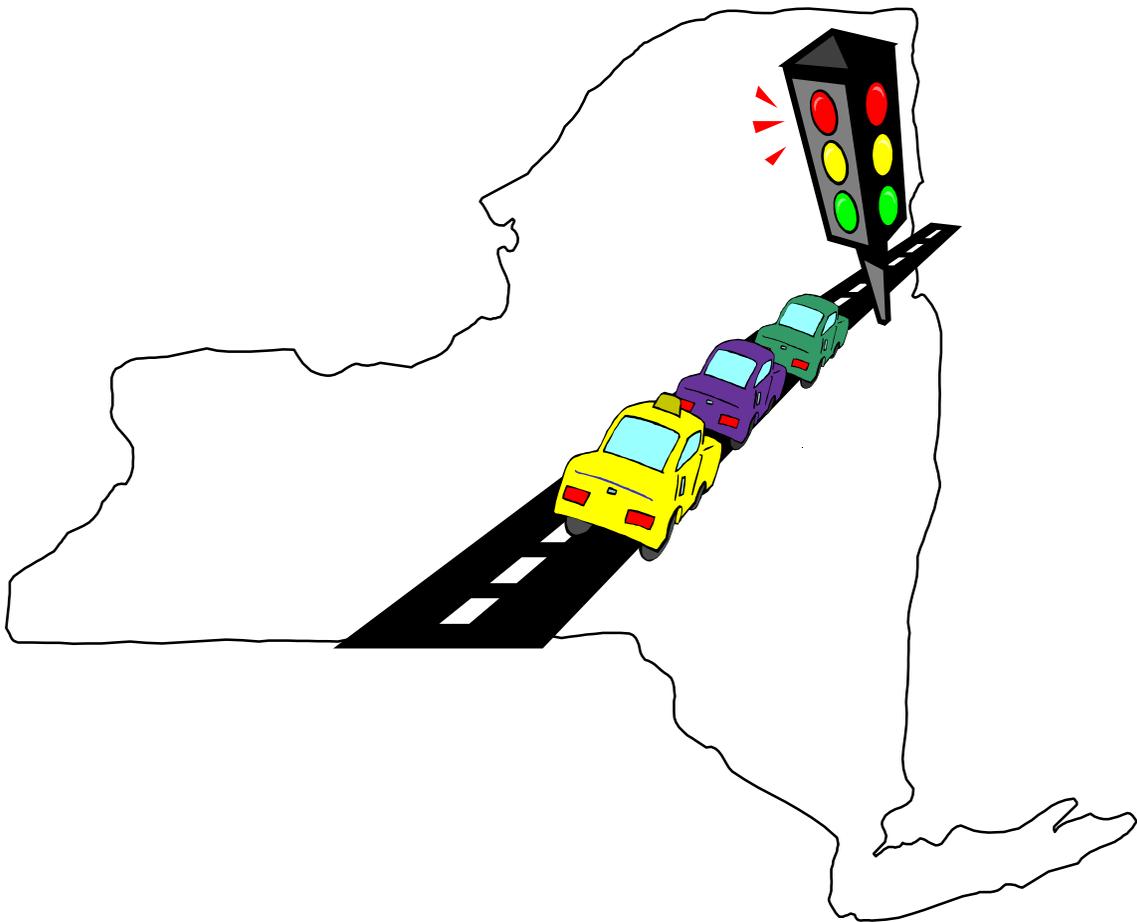


# **DUTCHESS COUNTY**

## **TRAFFIC SAFETY DATA**



**Prepared by**

**Institute for Traffic Safety Management and Research**

**80 Wolf Road, Suite 607, Albany, NY 12205-2604**

**Phone 518-453-0291 . FAX 518-453-0298**

**February 2005**

## COUNTY TRAFFIC SAFETY DATA

This document provides various crash and ticket data for the county. Ticket data are presented for the years 2000-2003. Since 2002 is the most recent year for which crash data are available, the crash data provided cover the years 1999-2002. Caution is advised in interpreting the data in cases where the numbers are very small. For assistance in using the data in this document or to request additional information, please contact

### **Institute for Traffic Safety Management and Research**

80 Wolf Road, Suite 607  
Albany, New York 12205  
Telephone: 518-453-0291

**Contact Person: Sandra Fuller**

E-Mail: [sfuller@itsmr.org](mailto:sfuller@itsmr.org)

OR

### **Governor's Traffic Safety Committee**

NYS Department of Motor Vehicles  
Empire State Plaza  
Albany, New York 12228  
Telephone: 518-474-5111

Contact Your GTSC Representative

#### **Jennifer Hogan**

518-473-7786

[jhoga1@dmv.state.ny.us](mailto:jhoga1@dmv.state.ny.us)

#### **Renee Barchitta**

518-473-6786

[rbarc@dmv.state.ny.us](mailto:rbarc@dmv.state.ny.us)

#### **Brad Swartz**

518-474-9830

[bswar@dmv.state.ny.us](mailto:bswar@dmv.state.ny.us)

#### **Rich Devlin**

518-486-4221

[rdevl@dmv.state.ny.us](mailto:rdevl@dmv.state.ny.us)

Albany  
Bronx  
Columbia  
Fulton  
Greene  
Herkimer  
Kings  
Montgomery  
Nassau  
New York  
Rensselaer  
Richmond  
Queens  
Saratoga  
Schenectady  
Schoharie  
Suffolk  
Washington

Clinton  
Dutchess  
Essex  
Franklin  
Hamilton  
Jefferson  
Lewis  
Orange  
Putnam  
Rockland  
Sullivan  
St. Lawrence  
Ulster  
Warren  
Westchester

Cayuga  
Chemung  
Cortland  
Livingston  
Madison  
Monroe  
Oneida  
Onondaga  
Ontario  
Oswego  
Schuyler  
Seneca  
Steuben  
Wayne  
Yates

Allegany  
Broome  
Cattaraugus  
Chautauqua  
Chenango  
Delaware  
Erie  
Genesee  
Niagara  
Orleans  
Otsego  
Tioga  
Tompkins  
Wyoming

# TABLE OF CONTENTS

## COUNTY DATA

	<b>Page</b>
Crash Data (Crashes, Fatalities & Injuries): 1999-2002.....	C-1
Crash and Fatality & Injury Rates: 1999-2002.....	C-2
Selected Contributing Factors in Crashes: 1999-2002 .....	C-3
Reported Safety Restraint Use in Crashes: 1999-2002.....	C-3
Licensed Drivers and Drivers Involved in Fatal and Personal Injury Crashes by Age Group: 2002 .....	C-4
Pedestrians Killed or Injured by Age Group: 2002 .....	C-5
Bicyclists Killed or Injured by Age Group: 2002.....	C-5
Alcohol-Related Crash Data: 1999-2002 .....	C-6
Licensed Drivers, Drivers Involved in Alcohol-Related Fatal and Personal Injury Crashes, and Drivers Arrested for Impaired Driving by Age Group: 2002.....	C-7
TSLE&D Tickets Issued and Conviction Rates for Selected V&T Violations: 2000-2003 .....	C-8
Adjudication Status of Impaired Driving Cases & Conviction Rates TSLE&D Agencies: 2000-2003.....	C-9
DWI/AI Probation Data: 2000-2003 .....	C-9
V&T Tickets Issued by TSLE&D Agencies by Agency Type: 2000-2003 .....	C-10
TSLE&D Tickets Issued for Selected Violations by Enforcement Agency: 2000-2003 .....	C-11

## DUTCHESS COUNTY

### CRASH DATA

	1999	%	2000	%	2001	%	2002	%
<b>TOTAL CRASHES* (events)</b>	<b>6,577</b>		<b>7,041</b>		<b>5,921 *</b>		<b>4,166 *</b>	
Fatal	29	0.4	29	0.4	39	0.7	15	0.4
Personal Injury	2,818	42.8	2,755	39.1	2,639	44.6	2,650	63.6
Property Damage*	3,730	56.7	4,257	60.5	3,243 *	54.8	1,501 *	36.0
<b>SELECTED CRASH TYPES (events)</b>								
Pedestrian crashes	93	1.4	62	0.9	72	1.2	79	1.9
Bicycle crashes	47	0.7	64	0.9	54	0.9	42	1.0
Motorcycle crashes	79	1.2	81	1.2	101	1.7	81	1.9
<b>TOTAL FATALITIES (persons)</b>	<b>31</b>		<b>30</b>		<b>42</b>		<b>16</b>	
Drivers	16	51.6	20	66.7	26	61.9	9	56.3
Passengers	11	35.5	9	30.0	13	31.0	6	37.5
Pedestrians	4	12.9	1	3.3	2	4.8	1	6.3
Bicyclists	0	0.0	0	0.0	1	2.4	0	0.0
<b>TOTAL INJURIES** (persons)</b>	<b>4,125</b>		<b>3,860</b>		<b>3,744</b>		<b>3,443</b>	
Drivers	2,742	66.5	2,636	68.3	2,542	67.9	2,402	69.8
Passengers	1,245	30.2	1,095	28.4	1,081	28.9	914	26.5
Pedestrians	90	2.2	61	1.6	69	1.8	79	2.3
Bicyclists	46	1.1	63	1.6	50	1.3	39	1.1

\* Starting in October 1997, the DMV recorded property damage only crashes that were reported by police but had no motorist report submitted. This policy was rescinded in mid 2001; the most direct impact of this change was a large decrease in the number of property damage only crashes; the effect is also reflected in the total number of crashes and the total number of occupants involved in crashes.

\*\* Police-reported crashes only.

Note: Totals may not equal the sum of the parts due to missing data.

Source: 1999-2000 NYSDMV county MV-144A, Table 1, and special county MV-144A on motorcycle crashes, Table 1.  
2001-2002+A4 NYSDMV AIS Data Base.

## DUTCHESS COUNTY

### CRASH AND FATALITY & INJURY RATES

	1999	2000	2001	2002
<b>CRASH RATES</b>				
Crash Rate per 10,000 Population	245.19	251.33	208.16*	144.82*
Crash Rate per 10,000 Licensed Drivers	346.34	360.83	297.28*	205.23*
<b>FATALITY &amp; INJURY RATES</b>				
Fatality & Injury Rate per 10,000 Population	164.52	147.21	137.21	130.98
Fatality & Injury Rate per 10,000 Licensed Drivers	232.39	211.34	195.96	185.62
<b>MEAN SEVERITY OF INJURY (MSI)</b>	1.341	1.331	1.345	1.334

\* Starting in October 1997, the DMV recorded property damage only crashes that were reported by police but had no motorist report submitted. This policy was rescinded in mid 2001; the most direct impact of this change was a large decrease in the number of property damage only crashes; the effect is also reflected in the crash rates per 10,000 population and 10,000 licensed drivers.

Source: 1999-2000 NYSDMV county 144A, Table 1, Table 2, and Table 19.  
 2001-2002 NYSDMV AIS Data Base.  
 NYSDMV driver's license file.  
 U.S. Census Bureau Redistricting Data.

## DUTCHESS COUNTY

### SELECTED CONTRIBUTING FACTORS IN CRASHES\*

	1999	%	2000	%	2001	%	2002	%
<b>Total Crashes</b>	<b>5,578</b>		<b>6,045</b>		<b>5,364</b>		<b>2,698</b>	
Alcohol involvement	230	4.1	256	4.2	218	4.1	145	5.4
Unsafe speed	1,143	20.5	1,134	18.8	879	16.4	489	18.1
Driver inattention/distraction**	733	13.1	828	13.7	750	14.0	519	19.2
Failure to yield right-of-way	781	14.0	848	14.0	674	12.6	400	14.8
Following too closely	667	12.0	730	12.1	642	12.0	403	14.9
Improper passing/lane usage	265	4.8	273	4.5	257	4.8	114	4.2
Traffic control disregarded	220	3.9	214	3.5	198	3.7	136	5.0
Unsafe lane changing	142	2.5	137	2.3	109	2.0	54	2.0

\* Police-reported crashes only.

\*\* Driver distraction was added to Police Accident Report Form MV-104, effective 7/01. Because older versions may continue to be used, driver distraction is underreported.

Note: Not all crashes have a contributing factor reported, and many crashes have multiple factors reported.

Source: 1999-2000 NYSDMV county MV-144A, Table 13(P).  
2001-2002 NYSDMV AIS Data Base.

## DUTCHESS COUNTY

### REPORTED SAFETY RESTRAINT USE IN CRASHES\*

	1999		2000		2001		2002	
	All Occupants %	K&A Occupants %						
	<b>13,552</b>	<b>277</b>	<b>13,939</b>	<b>273</b>	<b>12,919</b>	<b>282</b>	<b>6,929</b>	<b>263</b>
No restraint used	4.3	21.7	3.9	20.5	4.0	17.7	5.9	22.8
Restraint used	87.2	74.4	92.6	74.7	86.5	79.4	87.9	66.2
Restraint use unspecified	8.5	4.0	3.6	4.8	9.5	2.8	6.2	11.0

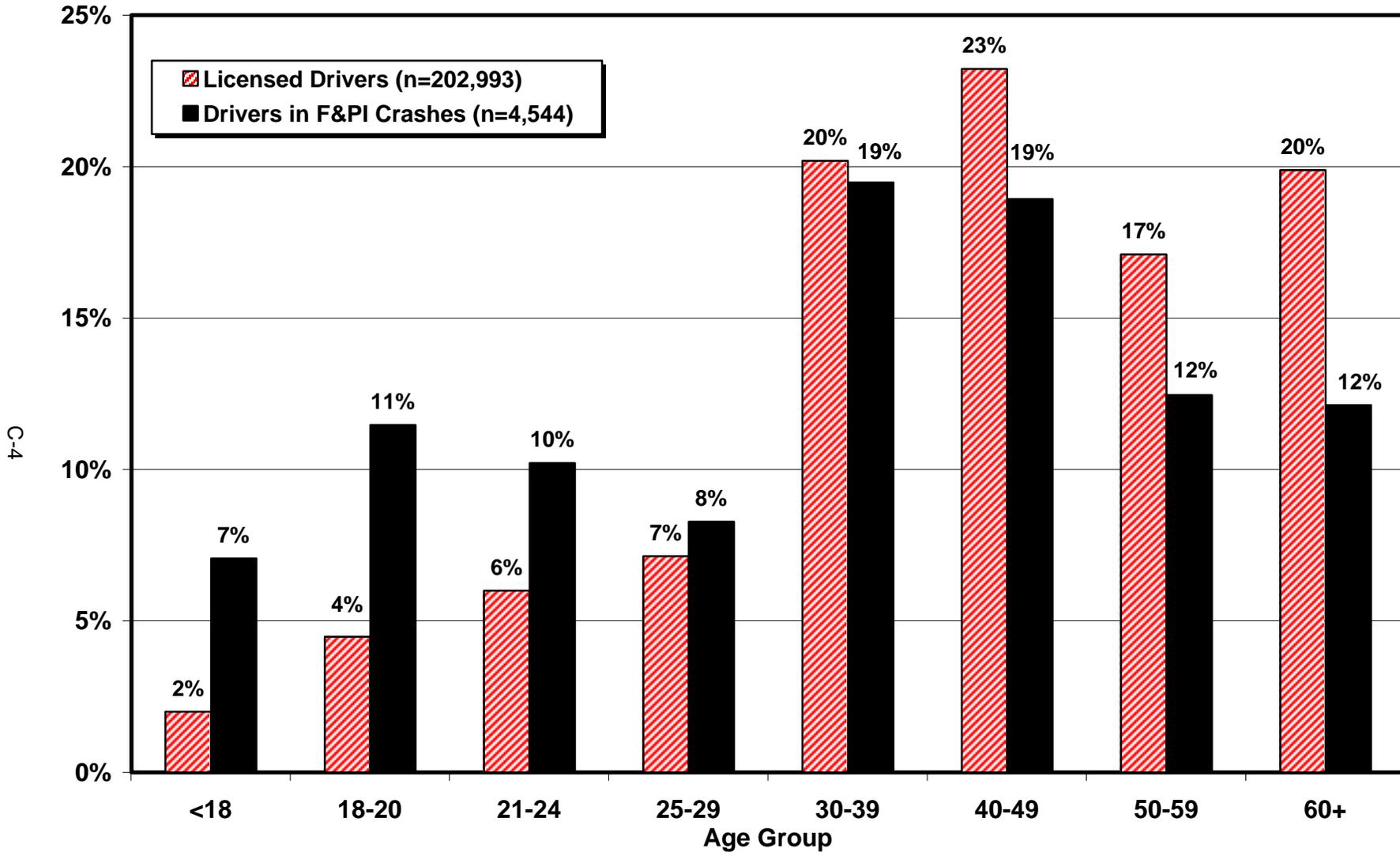
\* Police-reported crashes only.

Note: "K and A" denote occupants killed or seriously injured in a crash.

Source: 1999-2000 NYSDMV county MV-144A, Table 29(P).  
2001-2002 NYSDMV AIS Data Base.

## Dutchess County 2002

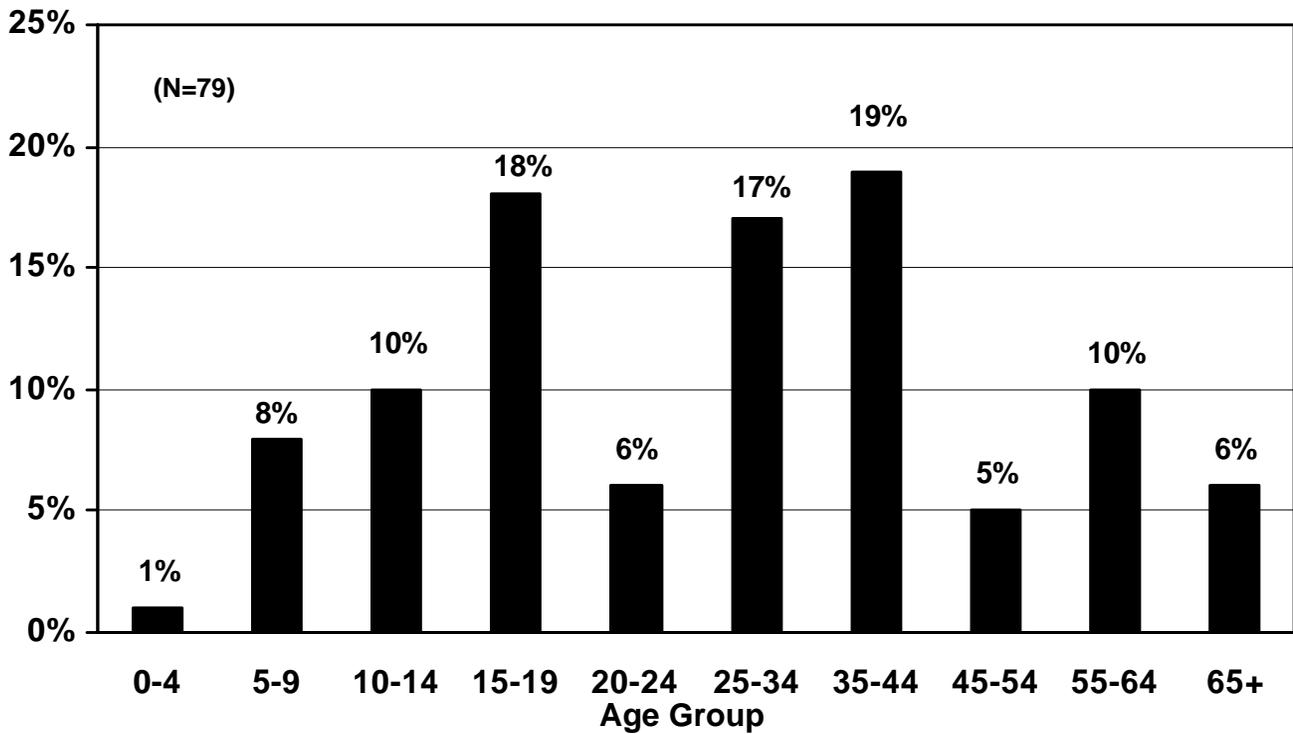
### Licensed Drivers and Drivers Involved in Fatal and Personal Injury Crashes by Age Group



Note: In interpreting these data, any age group with a greater percentage of drivers involved in fatal and personal injury crashes than licensed drivers indicates that the drivers in that age group are overrepresented in fatal and personal injury crashes.

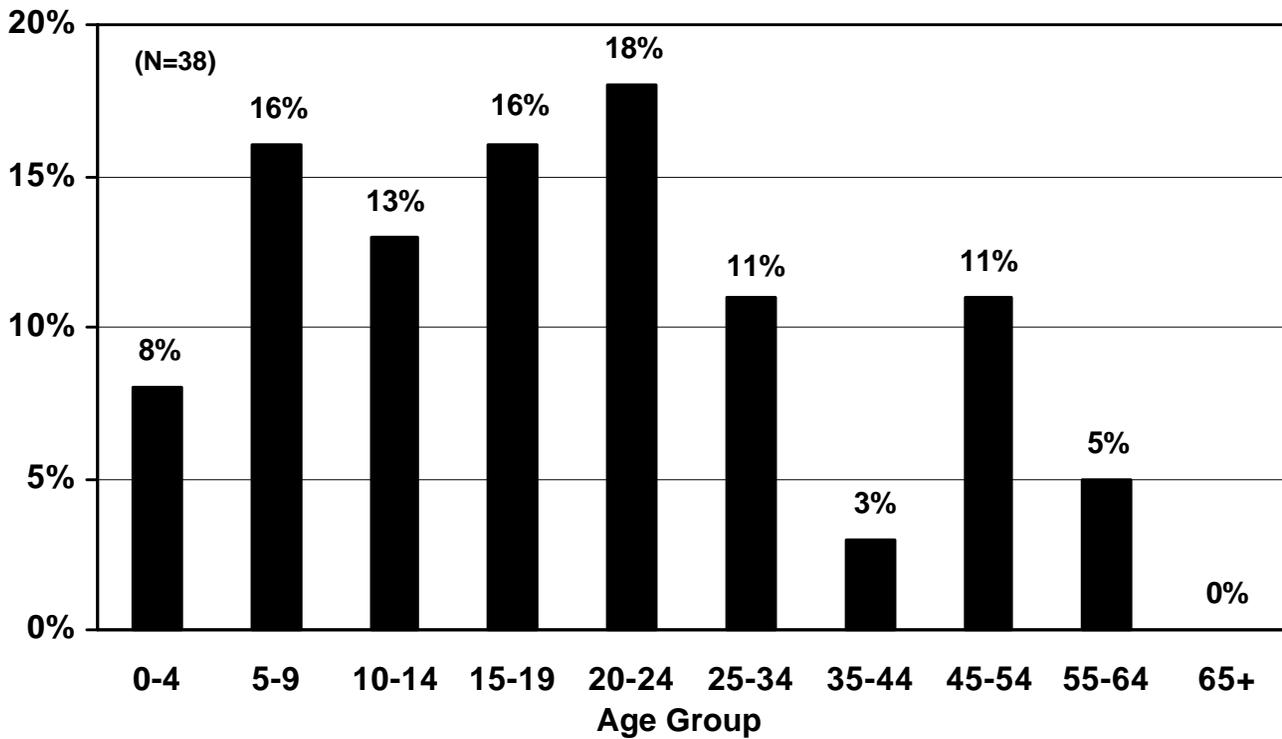
Source: NYSDMV driver's license file and NYSDMV AIS Data Base.

**Dutchess County 2002  
Pedestrians Killed or Injured by Age Group**



Source: NYSDMV AIS Data Base.

**Dutchess County 2002  
Bicyclists Killed or Injured by Age Group**



Source: NYSDMV AIS Data Base.

**DUTCHESS COUNTY**  
**ALCOHOL-RELATED CRASH DATA\***

	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>
<b>TOTAL CRASHES (events)</b>	<b>5,578</b>	<b>6,045</b>	<b>5,364</b>	<b>2,698</b>
Alcohol-related crashes	234	262	229	157
% of total crashes	4.2	4.3	4.3	5.8
<b>FATAL CRASHES (events)</b>	<b>29</b>	<b>29</b>	<b>39</b>	<b>15</b>
Alcohol-related fatal crashes	11	8	14	4
% of fatal crashes	37.9	27.6	35.9	26.7
<b>PERSONAL INJURY CRASHES (events)</b>	<b>2,614</b>	<b>2,569</b>	<b>2,545</b>	<b>2,397</b>
Alcohol-related injury crashes	136	147	149	149
% of injury crashes	5.2	5.7	5.9	6.2
<b>TOTAL FATALITIES (persons)</b>	<b>31</b>	<b>30</b>	<b>42</b>	<b>16</b>
Alcohol-related fatalities	12	9	16	4
% of total fatalities	38.7	30.0	38.1	25.0
<b>TOTAL INJURIES (persons)</b>	<b>4,125</b>	<b>3,860</b>	<b>3,744</b>	<b>3,443</b>
Alcohol-related injuries	218	210	234	224
% of total injuries	5.3	5.4	6.3	6.5

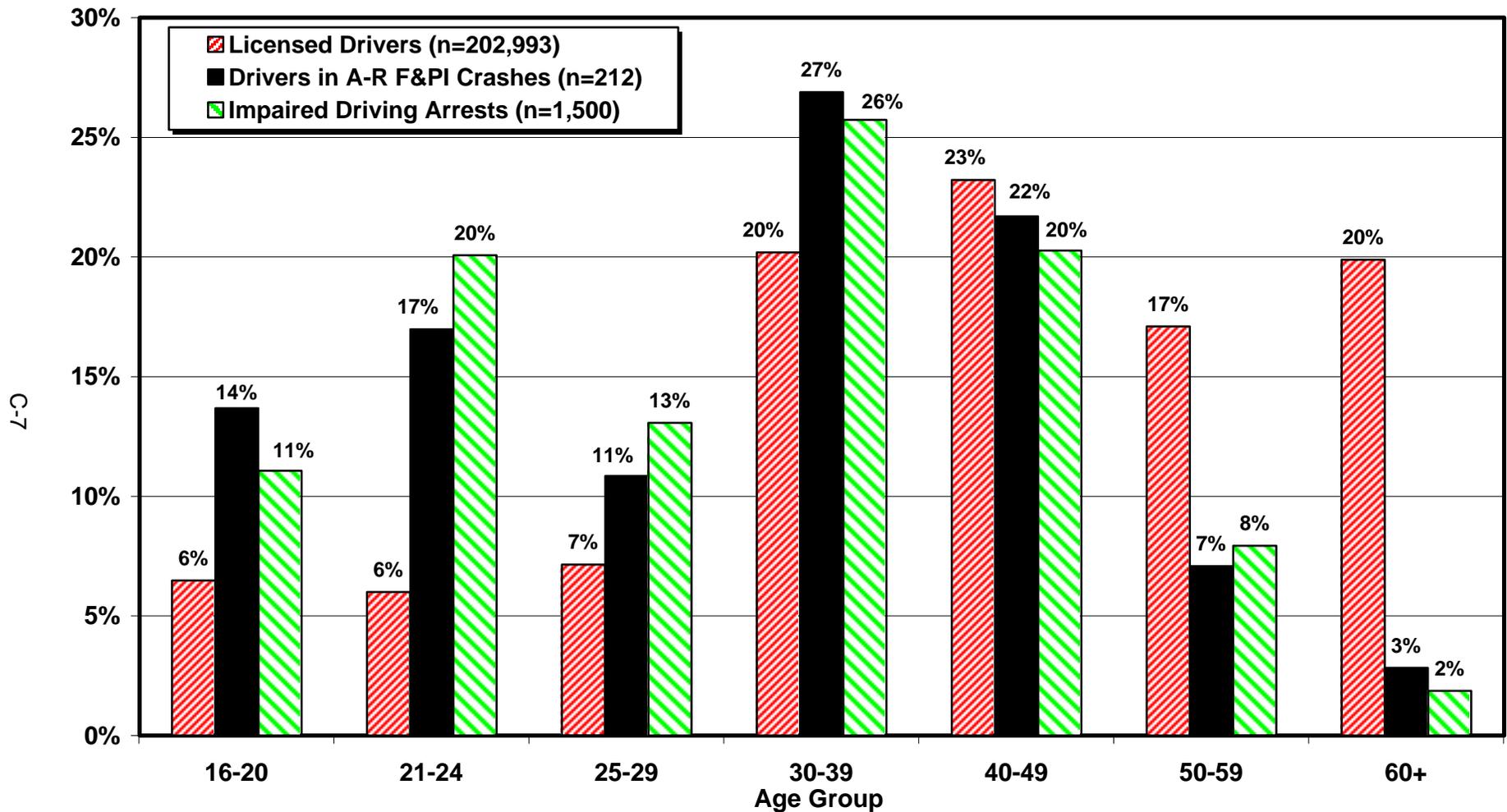
\* Police-reported crashes only.

Note: Data presented in Table C-1 include all reportable crashes.

Source: 1999-2000 NYSDMV county MV-144A, Table 1 and the DMV Office of Data Processing.  
2001-2002 NYSDMV AIS Data Base

## Dutchess County 2002

### Licensed Drivers, Drivers Involved in Alcohol-Related Fatal and Personal Injury Crashes, and Drivers Arrested for Impaired Driving by Age Group



Note: In interpreting these data, any age group with a greater percentage of drivers involved in alcohol-related fatal and personal injury crashes than licensed drivers indicates that this age group is overrepresented in these crashes. Similarly, any age group with a greater percentage of drivers arrested for impaired driving than licensed drivers indicates that this age group is overrepresented in impaired driving arrests.

Source: NYSDMV driver's license file, AIS Data Base, and TSLE&D ticket system. Arrest data compiled by ITSMR.

## DUTCHESS COUNTY

### TSLE&D TICKETS ISSUED AND CONVICTION RATES FOR SELECTED V&T VIOLATIONS

VIOLATION	2000	2001	2002	2003
<b>SPEED (V&amp;T 1180)</b>	26,249	26,910	29,526	27,094
% of total tickets	40.3	40.7	39.6	39.5
% convicted on same charge	40.1	37.1	32.9	29.0
<b>SAFETY RESTRAINTS (V&amp;T 1229c)</b>	8,807	7,175	8,059	6,466
% of total tickets	13.5	10.9	10.8	9.4
% convicted on same charge	77.9	74.2	69.8	62.6
<b>IMPAIRED DRIVING (V&amp;T 1192)</b>	1,753	1,871	1,742	1,984
% of total tickets	2.7	2.8	2.3	2.9
<b>PERSONS ARRESTED*</b>	1,535	1,629	1,512	1,598
% arrested as result of patrol activity**	86.4	86.9	87.6	87.5
% arrested as result of crash	12.2	11.2	11.2	11.2
% arrested as result of <i>other means</i> ***	1.4	2.0	1.2	1.3
<b>TOTAL TICKETS FOR ALL V&amp;T VIOLATIONS</b>	<b>65,067</b>	<b>66,119</b>	<b>74,585</b>	<b>68,633</b>

\* The number of persons arrested is less than the number of tickets issued as some agencies issue separate tickets for 1192.2 and 1192.3, while others issue a combined 1192.23.

\*\* Includes patrol, radar, road checks

\*\*\* Includes scales, plane, VASCAR

Source: NYSDMV TSLE&D ticket system.

## DUTCHESS COUNTY

### Adjudication Status of Impaired Driving Cases & Conviction Rates TSLE&D Agencies

	2000	2001	2002	2003
<b>Persons Arrested</b>	<b>(N=1,535)</b>	<b>(N=1,630)</b>	<b>(N=1,512)</b>	<b>(N=1,598)</b>
Case adjudicated	83.5%	65.5%	86.7%	73.3%
Case pending	16.5%	34.5%	13.3%	26.7%
<b>Disposition of Adjudicated Cases*</b>	<b>(N=1,282)</b>	<b>(N=1,067)</b>	<b>(N=1,311)</b>	<b>(N=1,171)</b>
<b><i>Convicted on Alcohol Charge</i></b>	<b>83.7%</b>	<b>85.4%</b>	<b>85.5%</b>	<b>88.9%</b>
Convicted on original alcohol charge	19.5%	18.7%	17.6%	15.5%
Convicted on reduced alcohol charge	34.9%	39.9%	37.3%	44.0%
Convicted on other alcohol charge	29.3%	26.8%	30.6%	29.4%
<b><i>Convicted on Non-Alcohol Charge</i></b>	<b>3.0%</b>	<b>1.9%</b>	<b>4.0%</b>	<b>1.8%</b>
<b><i>Dismissed/Acquitted/Convicted on charge associated with different event</i></b>	<b>13.3%</b>	<b>12.7%</b>	<b>10.5%</b>	<b>9.3%</b>
* Since some drivers are charged with more than one alcohol offense during a single traffic stop, this includes drivers who have had at least one offense adjudicated.				

Source: Compiled by Institute for Traffic Safety Management and Research with data obtained from TSLE&D.

## DUTCHESS COUNTY

### DWI/AI Probation Data

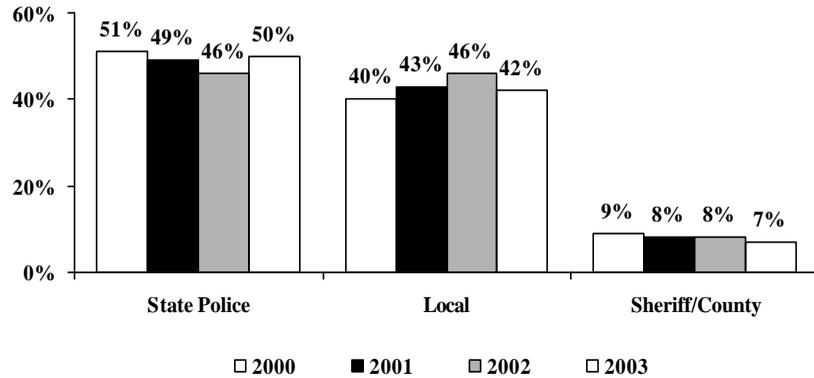
	2000	2001	2002	2003
<b>Number of Persons Sentenced to Probation</b>	239	251	216	224
<b>Number of Persons on Probation*</b>	848	911	648	572

\* It should be noted that since the manner in which active probation cases were identified was adjusted in 2002, caution is advised when comparing the 2002 and 2003 data with the data from earlier years.

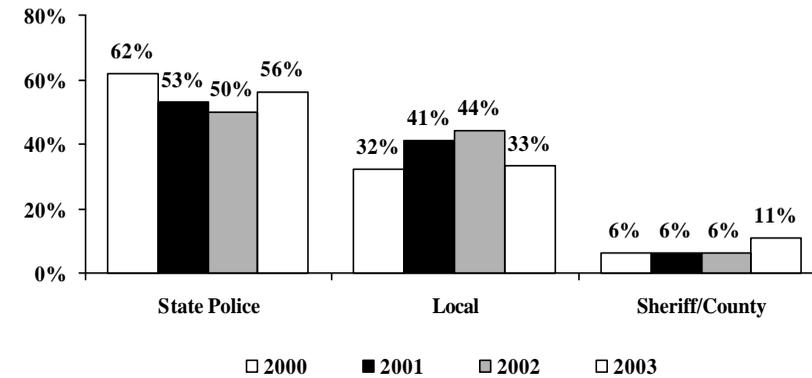
Source: NYS Division of Probation and Correctional Alternatives.

**Dutchess County  
V&T Tickets Issued by TSLE&D Agencies  
By Agency Type**

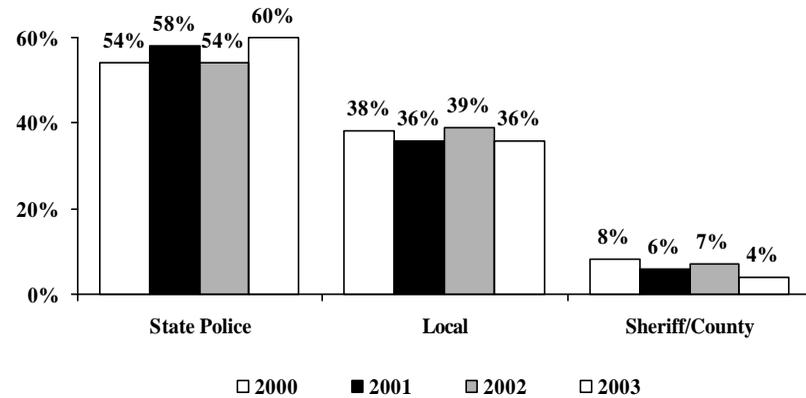
**All Tickets**



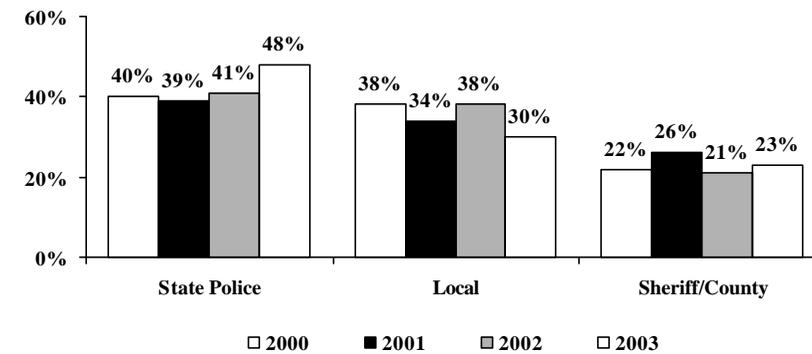
**Seat Belt Tickets**



**Speed Tickets**



**Persons Ticketed for Impaired Driving**



## DUTCHESS COUNTY

### TSLE&D Tickets Issued for Selected Violations by Enforcement Agency

Enforcement Agency		2000			2001			2002			2003		
		#	% of Shf/Local	% of Co. Total	#	% of Shf/Local	% of Co. Total	#	% of Shf/Local	% of Co. Total	#	% of Shf/Local	% of Co. Total
Dutchess Sheriff NCIC 01300	alcohol	393	37.1	22.3	462	38.5	24.7	348	31.6	20.0	381	37.6	19.2
	speed	2,134	17.9	8.1	1,695	15.2	6.3	1,947	14.4	6.6	1,164	10.8	4.3
	seatbelt	521	16.4	5.9	434	13.0	6.1	471	11.9	5.8	719	25.6	11.1
Beacon P.D. NCIC 01301	alcohol	146	13.8	8.3	175	14.6	9.4	199	18.1	11.4	130	12.8	6.6
	speed	801	6.7	3.0	1,298	11.6	4.8	1,255	9.3	4.3	816	7.5	3.0
	seatbelt	448	14.1	5.1	654	19.5	9.1	887	22.4	11.0	269	9.6	4.2
Poughkeepsie P.D. NCIC 01302	alcohol	142	13.4	8.1	135	11.3	7.2	160	14.5	9.2	114	11.3	5.7
	speed	2,388	20.0	9.1	1,997	17.9	7.4	2,989	22.2	10.1	2,604	24.1	9.6
	seatbelt	617	19.4	7.0	640	19.1	8.9	991	25.0	12.3	642	22.9	9.9
Fishkill Village P.D. NCIC 01320	alcohol	17	1.6	1.0	18	1.5	1.0	7	0.6	0.4	13	1.3	0.7
	speed	450	3.8	1.7	425	3.8	1.6	371	2.8	1.3	273	2.5	1.0
	seatbelt	132	4.1	1.5	194	5.8	2.7	223	5.6	2.8	119	4.2	1.8
Millerton P.D. NCIC 01321	alcohol	6	0.6	0.3	5	0.4	0.3	5	0.5	0.3	4	0.4	0.2
	speed	49	0.4	0.2	12	0.1	0.0	20	0.1	0.1	12	0.1	<0.1
	seatbelt	4	0.1	0.0	0	0.0	0.0	3	0.1	<0.1	1	<0.1	<0.1
Wappingers Falls P.D. NCIC 01324	alcohol	47	4.4	2.7	79	6.6	4.2	49	4.5	2.8	33	3.3	1.7
	speed	186	1.6	0.7	260	2.3	1.0	207	1.5	0.7	184	1.7	0.7
	seatbelt	87	2.7	1.0	73	2.2	1.0	80	2.0	1.0	86	3.1	1.3
Red Hook P.D. NCIC 01325	alcohol	6	0.6	0.3	1	0.1	0.1	6	0.5	0.3	9	0.9	0.5
	speed	203	1.7	0.8	267	2.4	1.0	187	1.4	0.6	285	2.6	1.1
	seatbelt	80	2.5	0.9	67	2.0	0.9	54	1.4	0.7	105	3.7	1.6

## DUTCHESS COUNTY

### TSLE&D Tickets Issued for Selected Violations by Enforcement Agency

Enforcement Agency		2000			2001			2002			2003		
		#	% of Shf/Local	% of Co. Total	#	% of Shf/Local	% of Co. Total	#	% of Shf/Local	% of Co. Total	#	% of Shf/Local	% of Co. Total
Rhinebeck P.D.	alcohol	15	1.4	0.9	17	1.4	0.9	13	1.2	0.7	13	1.3	0.7
NCIC 01327	speed	355	3.0	1.3	348	3.1	1.3	290	2.2	1.0	362	3.3	1.3
	seatbelt	74	2.3	0.8	73	2.2	1.0	83	2.1	1.0	81	2.9	1.3
Millbrook Village P.D.	alcohol	0	0.0	0.0	4	0.3	0.2	4	0.4	0.2	2	0.2	0.1
NCIC 01328	speed	138	1.2	0.5	139	1.2	0.5	245	1.8	0.8	75	0.7	0.3
	seatbelt	140	4.4	1.6	160	4.8	2.2	102	2.6	1.3	23	0.8	0.4
Pine Plains P.D.	alcohol	1	0.1	0.1	1	0.1	0.1	0	0.0	0.0	2	0.2	0.1
NCIC 01350	speed	68	0.6	0.3	61	0.5	0.2	47	0.3	0.2	138	1.3	0.5
	seatbelt	28	0.9	0.3	21	0.6	0.3	20	0.5	0.2	13	0.5	0.2
Poughkeepsie Town P.D.	alcohol	98	9.3	5.6	132	11.0	7.1	115	10.5	6.6	114	11.3	5.7
NCIC 01363	speed	2,995	25.1	11.4	2,638	23.6	9.8	3,866	28.7	13.1	3,387	31.3	12.5
	seatbelt	374	11.7	4.2	283	8.5	3.9	305	7.7	3.8	250	8.9	3.9
Fishkill Town P.D.	alcohol	53	5.0	3.0	63	5.3	3.4	54	4.9	3.1	43	4.2	2.2
NCIC 01364	speed	867	7.3	3.3	564	5.0	2.1	344	2.6	1.2	423	3.9	1.6
	seatbelt	266	8.4	3.0	174	5.2	2.4	170	4.3	2.1	134	4.8	2.1
Hyde Park Town P.D.	alcohol	72	6.8	4.1	42	3.5	2.2	64	5.8	3.7	62	6.1	3.1
NCIC 01365	speed	326	2.7	1.2	321	2.9	1.2	442	3.3	1.5	336	3.1	1.2
	seatbelt	169	5.3	1.9	155	4.6	2.2	164	4.1	2.0	198	7.1	3.1
East Fishkill P.D.	alcohol	63	5.9	3.6	65	5.4	3.5	76	6.9	4.4	93	9.2	4.7
NCIC 01366	speed	969	8.1	3.7	1,148	10.3	4.3	1,268	9.4	4.3	756	7.0	2.8
	seatbelt	243	7.6	2.8	420	12.5	5.9	405	10.2	5.0	164	5.8	2.5

## DUTCHESS COUNTY

### TSLE&D Tickets Issued for Selected Violations by Enforcement Agency

Enforcement Agency		2000		2001		2002		2003					
		#	% of Shf/Local	% of Co. Total	#	% of Shf/Local	% of Co. Total	#	% of Shf/Local	% of Co. Total			
<b>Totals by Agency Type</b>													
Sheriff and Local	alcohol	1,059		60.1	1,199		64.2	1,100		63.2	1,013		51.1
	speed	11,929		45.3	11,173		41.6	13,478		45.7	10,815		39.9
	seatbelt	3,183		36.0	3,348		46.7	3,958		49.1	2,804		43.4
State Police	alcohol	698		39.6	660		35.4	636		36.5	964		48.6
	speed	14,311		54.3	15,642		58.2	15,971		54.1	16,201		59.8
	seatbelt	5,454		61.8	3,810		53.1	4,015		49.8	3,613		55.9
Other incl. Park Police & Tivoli PD ('03) NCIC 01326	alcohol	6		0.3	8		0.4	5		0.3	7		0.4
	speed	93		0.4	63		0.2	74		0.3	78		0.3
	seatbelt	195		2.2	12		0.2	84		1.0	49		0.8
<b>County Totals</b>													
	alcohol	1,763			1,867			1,741			1,984		
	speed	26,333			26,878			29,523			27,094		
	seatbelt	8,832			7,170			8,057			6,466		

Source: NYS DMV