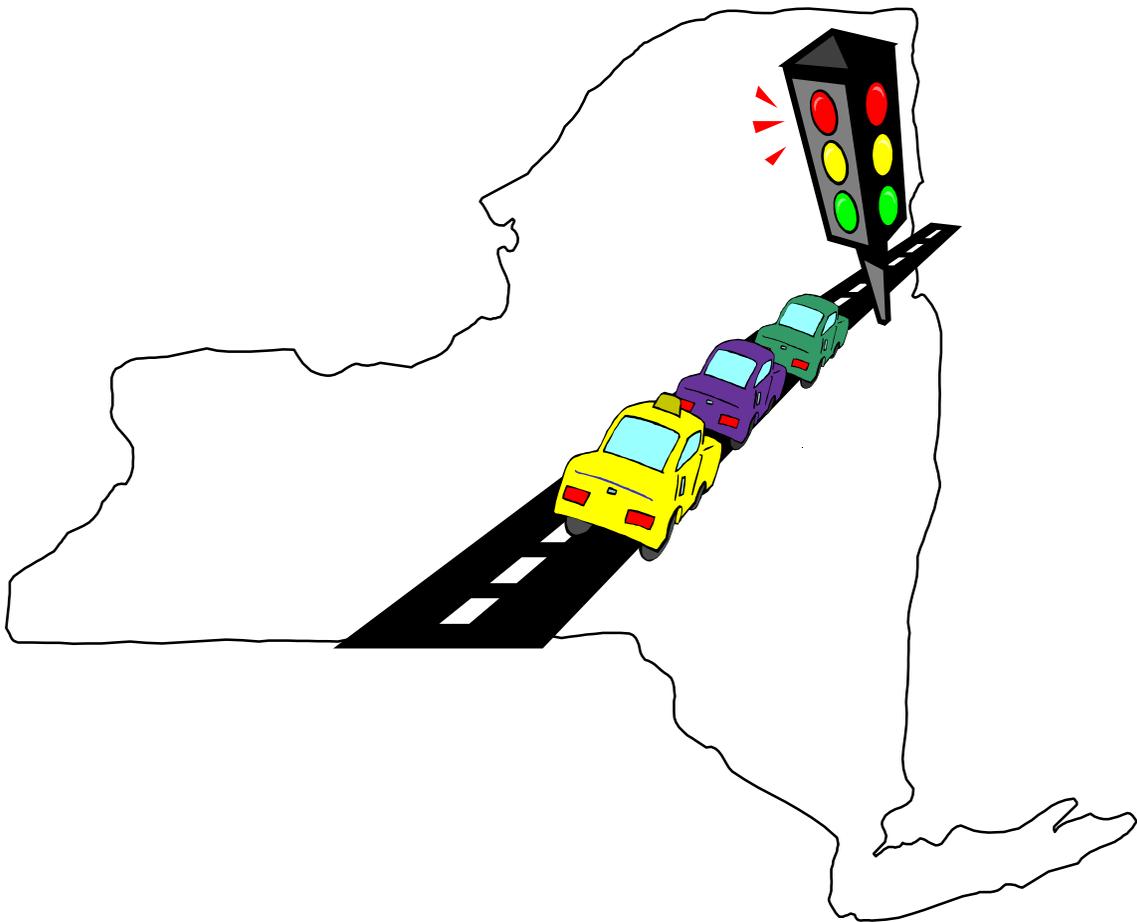


# **ESSEX COUNTY**

## **TRAFFIC SAFETY DATA**



**Prepared by**

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## 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

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Tompkins  
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## ESSEX COUNTY

### CRASH DATA

	1999	%	2000	%	2001	%	2002	%
<b>TOTAL CRASHES* (events)</b>	<b>892</b>		<b>1,033</b>		<b>884 *</b>		<b>568 *</b>	
Fatal	4	0.4	9	0.9	8	0.9	7	1.2
Personal Injury	348	39.0	324	31.4	315	35.6	315	55.5
Property Damage*	540	60.5	700	67.8	561 *	63.5	246 *	43.3
<b>SELECTED CRASH TYPES (events)</b>								
Pedestrian crashes	10	1.1	9	0.9	3	0.3	6	1.1
Bicycle crashes	8	0.9	7	0.7	6	0.7	4	0.7
Motorcycle crashes	18	2.0	22	2.1	23	2.6	16	2.8
<b>TOTAL FATALITIES (persons)</b>	<b>4</b>		<b>10</b>		<b>12</b>		<b>7</b>	
Drivers	4	100	6	60.0	5	41.7	4	57.1
Passengers	0	0.0	2	20.0	7	58.3	3	42.9
Pedestrians	0	0.0	2	20.0	0	0.0	0	0.0
Bicyclists	0	0.0	0	0.0	0	0.0	0	0.0
<b>TOTAL INJURIES** (persons)</b>	<b>491</b>		<b>457</b>		<b>442</b>		<b>402</b>	
Drivers	295	60.1	280	61.3	285	64.5	247	61.4
Passengers	174	35.4	162	35.4	147	33.3	144	35.8
Pedestrians	13	2.6	7	1.5	4	0.9	7	1.7
Bicyclists	8	1.6	7	1.5	6	1.4	4	1.0

\* 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 This policy was rescinded in mid 2001; the most direct impact of this change was a large decrease in the number of property damage only crashes; the effect is also reflected in the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 NYSDMV AIS Data Base.

## ESSEX COUNTY

### CRASH AND FATALITY & INJURY RATES

	1999	2000	2001	2002
<b>CRASH RATES</b>				
Crash Rate per 10,000 Population	237.82	265.89	227.71*	146.16*
Crash Rate per 10,000 Licensed Drivers	330.95	374.63	316.32*	201.02*
<b>FATALITY &amp; INJURY RATES</b>				
Fatality & Injury Rate per 10,000 Population	137.31	123.81	119.26	116.82
Fatality & Injury Rate per 10,000 Licensed Drivers	191.07	174.44	165.68	160.67
<b>MEAN SEVERITY OF INJURY (MSI)</b>	1.561	1.608	1.559	1.530

\* 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.

## ESSEX COUNTY

### SELECTED CONTRIBUTING FACTORS IN CRASHES\*

	<b>1999</b>	<b>%</b>	<b>2000</b>	<b>%</b>	<b>2001</b>	<b>%</b>	<b>2002</b>	<b>%</b>
<b>Total Crashes</b>	<b>801</b>		<b>939</b>		<b>827</b>		<b>358</b>	
Alcohol involvement	49	6.1	59	6.3	50	6.0	25	7.0
Unsafe speed	268	33.5	333	35.5	239	28.9	122	34.1
Driver inattention/distraction**	80	10.0	93	9.9	71	8.6	42	11.7
Failure to yield right-of-way	65	8.1	67	7.1	78	9.4	39	10.9
Following too closely	66	8.2	70	7.5	74	8.9	41	11.5
Improper passing/lane usage	41	5.1	47	5.0	49	5.9	24	6.7
Traffic control disregarded	13	1.6	17	1.8	19	2.3	6	1.7
Unsafe lane changing	21	2.6	15	1.6	19	2.3	4	1.1

\* 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.

## ESSEX COUNTY

### REPORTED SAFETY RESTRAINT USE IN CRASHES\*

	<b>1999</b>		<b>2000</b>		<b>2001</b>		<b>2002</b>	
	<b>All Occupants</b>	<b>K&amp;A Occupants</b>						
	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>
No restraint used	<b>1,834</b>	<b>47</b>	<b>1,892</b>	<b>52</b>	<b>1,791</b>	<b>57</b>	<b>816</b>	<b>45</b>
Restraint used	6.5	38.3	5.1	21.2	6.3	40.4	9.6	24.4
Restraint use unspecified	82.9	53.2	92.5	71.2	83.4	52.6	86.4	64.4
	10.6	8.5	2.4	7.7	10.4	7.0	4.0	11.1

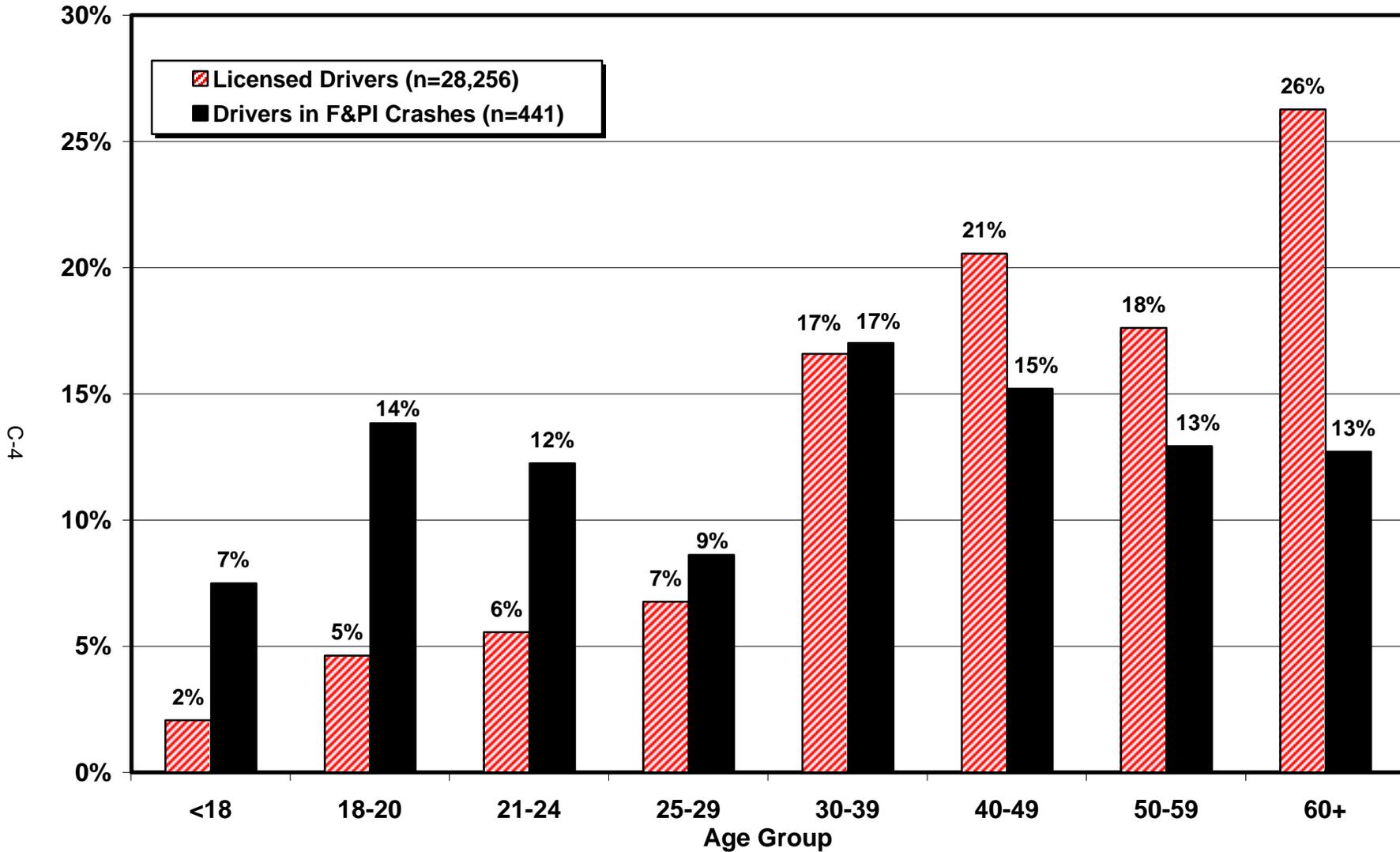
\* Police-reported crashes only.

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.

## Essex 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.

## Essex County 2002

### Pedestrians and Bicyclists Killed or Injured by Age Group

Age Group	Pedestrians	Bicyclists
0 - 4	0	0
5 - 9	0	0
10 - 14	2	1
15 - 19	2	0
20 - 24	2	0
25 - 34	0	1
35 - 44	0	1
45 - 54	1	1
55 - 64	0	0
65+	0	0
<b>Total</b>	<b>7</b>	<b>4</b>

Source: NYSDMV AIS Data Base.

## ESSEX COUNTY

### ALCOHOL-RELATED CRASH DATA\*

	1999	2000	2001	2002
<b>TOTAL CRASHES (events)</b>	<b>801</b>	<b>939</b>	<b>827</b>	<b>358</b>
Alcohol-related crashes	49	60	50	25
% of total crashes	6.1	6.4	6.0	7.0
<b>FATAL CRASHES (events)</b>	<b>4</b>	<b>9</b>	<b>8</b>	<b>7</b>
Alcohol-related fatal crashes	3	2	1	2
% of fatal crashes	75.0	22.2	12.5	28.6
<b>PERSONAL INJURY CRASHES (events)</b>	<b>331</b>	<b>315</b>	<b>307</b>	<b>282</b>
Alcohol-related injury crashes	25	38	36	22
% of injury crashes	7.6	12.1	11.7	7.8
<b>TOTAL FATALITIES (persons)</b>	<b>4</b>	<b>10</b>	<b>12</b>	<b>7</b>
Alcohol-related fatalities	3	2	1	2
% of total fatalities	75.0	20.0	8.3	28.6
<b>TOTAL INJURIES (persons)</b>	<b>491</b>	<b>457</b>	<b>442</b>	<b>402</b>
Alcohol-related injuries	34	47	46	33
% of total injuries	6.9	10.3	10.4	8.2

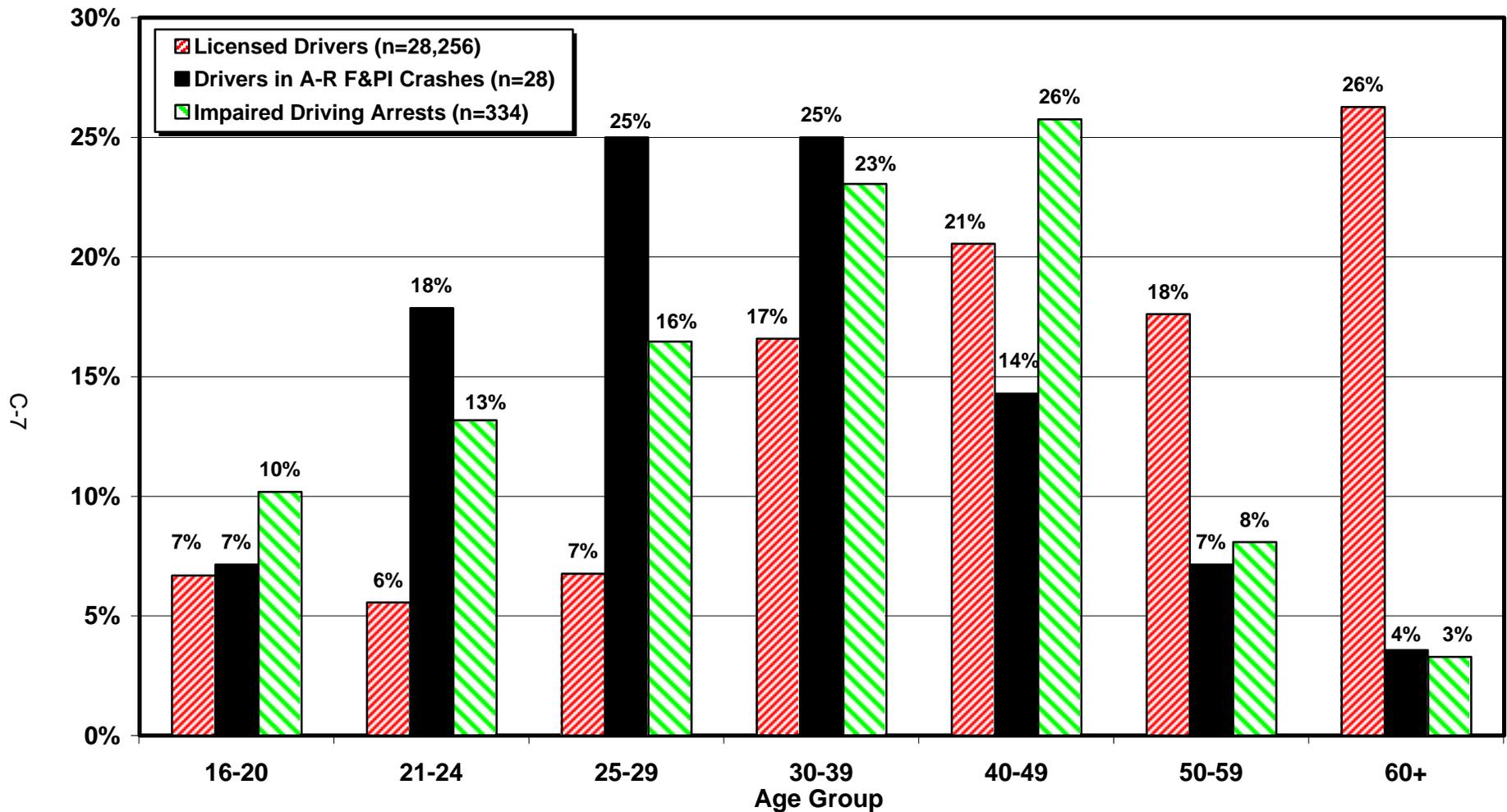
\* Police-reported crashes only.

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.

## Essex 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.

## ESSEX 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>	7,773	8,294	9,011	11,184
% of total tickets	48.8	43.9	42.4	48.1
% convicted on same charge	69.0	67.9	57.6	52.5
<b>SAFETY RESTRAINTS (V&amp;T 1229c)</b>	2,175	2,520	3,621	2,937
% of total tickets	13.7	13.3	17.0	12.6
% convicted on same charge	80.0	81.7	73.5	64.9
<b>IMPAIRED DRIVING (V&amp;T 1192)</b>	303	288	348	444
% of total tickets	1.9	1.5	1.6	1.9
<b>PERSONS ARRESTED*</b>	280	262	335	362
% arrested as result of patrol activity**	79.3	83.6	81.8	83.4
% arrested as result of crash	18.9	16.0	14.9	15.5
% arrested as result of <i>other means</i> ***	1.8	0.4	3.3	1.1
<b>TOTAL TICKETS FOR ALL V&amp;T VIOLATIONS</b>	<b>15,929</b>	<b>18,900</b>	<b>21,277</b>	<b>23,231</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.

## ESSEX COUNTY

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

	2000	2001	2002	2003
<b>Persons Arrested</b>	<b>(N=280)</b>	<b>(N=262)</b>	<b>(N=335)</b>	<b>(N=362)</b>
Case adjudicated	92.9%	82.1%	89.9%	75.7%
Case pending	7.1%	17.9%	10.1%	24.3%
<b>Disposition of Adjudicated Cases*</b>	<b>(N=260)</b>	<b>(N=215)</b>	<b>(N=301)</b>	<b>(N=274)</b>
<b>Convicted on Alcohol Charge</b>	<b>89.9%</b>	<b>93.0%</b>	<b>90.0%</b>	<b>96.6%</b>
Convicted on original alcohol charge	21.1%	22.8%	17.9%	27.7%
Convicted on reduced alcohol charge	55.0%	57.2%	56.8%	54.7%
Convicted on other alcohol charge	13.8%	13.0%	15.3%	14.2%
<b>Convicted on Non-Alcohol Charge</b>	<b>1.9%</b>	<b>1.9%</b>	<b>1.3%</b>	<b>0.7%</b>
<b>Dismissed/Acquitted/Convicted on charge associated with different event</b>	<b>8.2%</b>	<b>5.1%</b>	<b>8.7%</b>	<b>2.7%</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.

## ESSEX COUNTY

### DWI/AI Probation Data

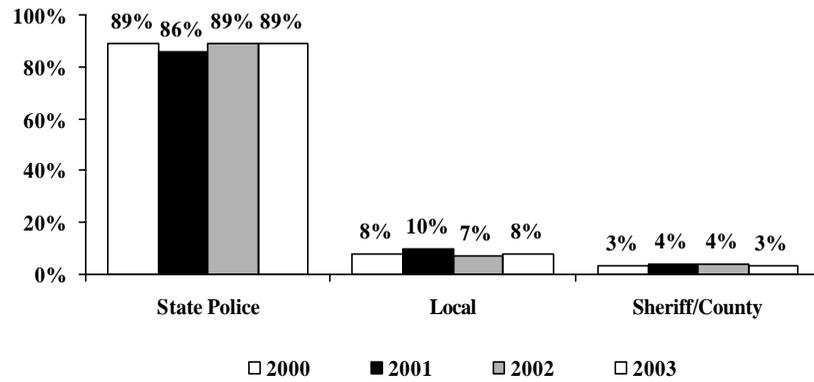
	2000	2001	2002	2003
<b>Number of Persons Sentenced to Probation</b>	31	40	35	40
<b>Number of Persons on Probation*</b>	120	131	133	112

\* 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.

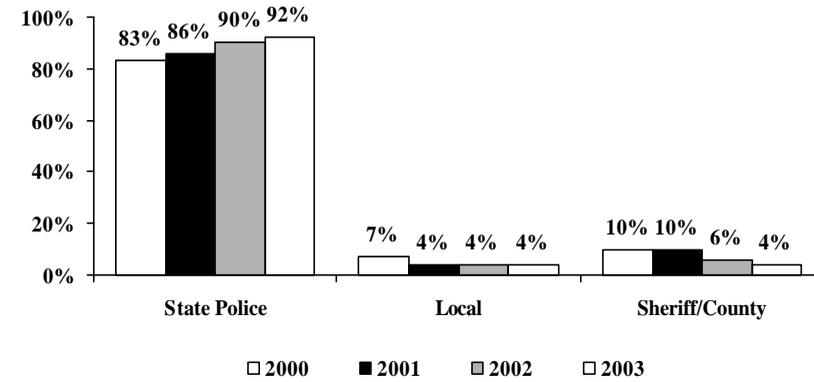
Source: NYS Division of Probation and Correctional Alternatives.

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

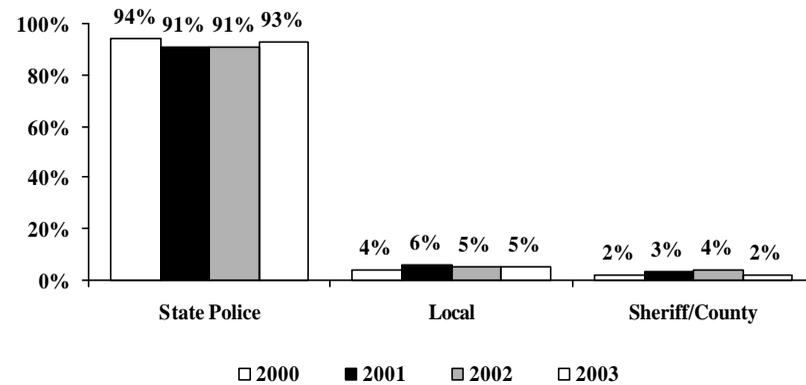
**All Tickets**



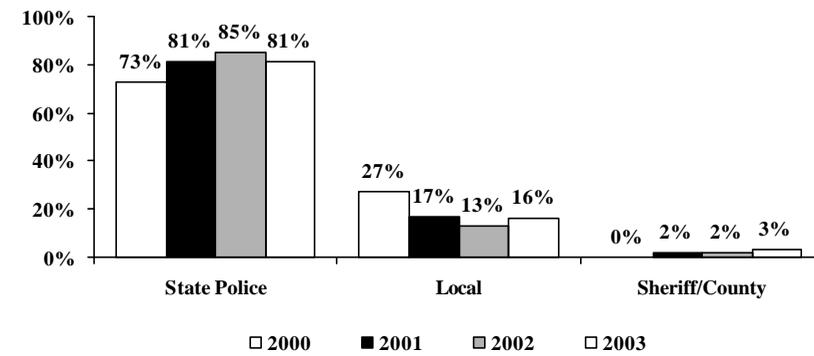
**Seat Belt Tickets**



**Speed Tickets**



**Persons Ticketed for Impaired Driving**



C-10

## ESSEX 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
Essex Sheriff NCIC 01500	alcohol	0	0.0	0.0	6	8.5	2.1	7	12.3	2.0	11	14.1	2.5
	speed	180	35.9	2.3	261	36.7	3.1	368	43.7	4.1	247	33.2	2.2
	seatbelt	228	61.0	10.5	256	72.3	10.2	218	58.6	6.0	118	52.7	4.0
Lake Placid P.D. NCIC 01523	alcohol	15	18.3	4.9	13	18.3	4.5	15	26.3	4.3	33	42.3	7.4
	speed	85	17.0	1.1	189	26.6	2.3	249	29.5	2.8	350	47.0	3.1
	seatbelt	11	2.9	0.5	16	4.5	0.6	15	4.0	0.4	49	21.9	1.7
Ticonderoga P.D. NCIC 01527	alcohol	61	74.4	19.9	49	69.0	17.0	34	59.6	9.9	31	39.7	7.0
	speed	93	18.6	1.2	131	18.4	1.6	119	14.1	1.3	51	6.8	0.5
	seatbelt	102	27.3	4.7	68	19.2	2.7	108	29.0	3.0	39	17.4	1.3
Town of Moriah P.D. NCIC 01551	alcohol	6	7.3	2.0	3	4.2	1.0	1	1.8	0.3	3	3.8	0.7
	speed	143	28.5	1.8	130	18.3	1.6	107	12.7	1.2	97	13.0	0.9
	seatbelt	33	8.8	1.5	14	4.0	0.6	31	8.3	0.9	18	8.0	0.6
<b>Totals by Agency Type</b>													
Sheriff and Local	alcohol	82		26.8	71		24.7	57		16.5	78		17.6
	speed	501		6.4	711		8.6	843		9.4	745		6.7
	seatbelt	374		17.2	354		14.1	372		10.3	224		7.6
State Police	alcohol	224		73.2	215		74.7	288		83.5	359		80.9
	speed	7,263		93.5	7,577		91.1	8,160		90.6	10,421		93.2
	seatbelt	1,803		82.8	2,138		85.4	3,248		89.7	2,705		92.1
Other	alcohol	0		0.0	2		0.7	0		0.0	7		1.6
	speed	4		0.1	25		0.3	6		0.1	18		0.2
	seatbelt	1		<0.1	12		0.5	0		0.0	8		0.3
<b>County Totals</b>													
	alcohol	306			288			345			444		
	speed	7,768			8,313			9,009			11,184		
	seatbelt	2,178			2,504			3,620			2,937		

Source: NYSDMV