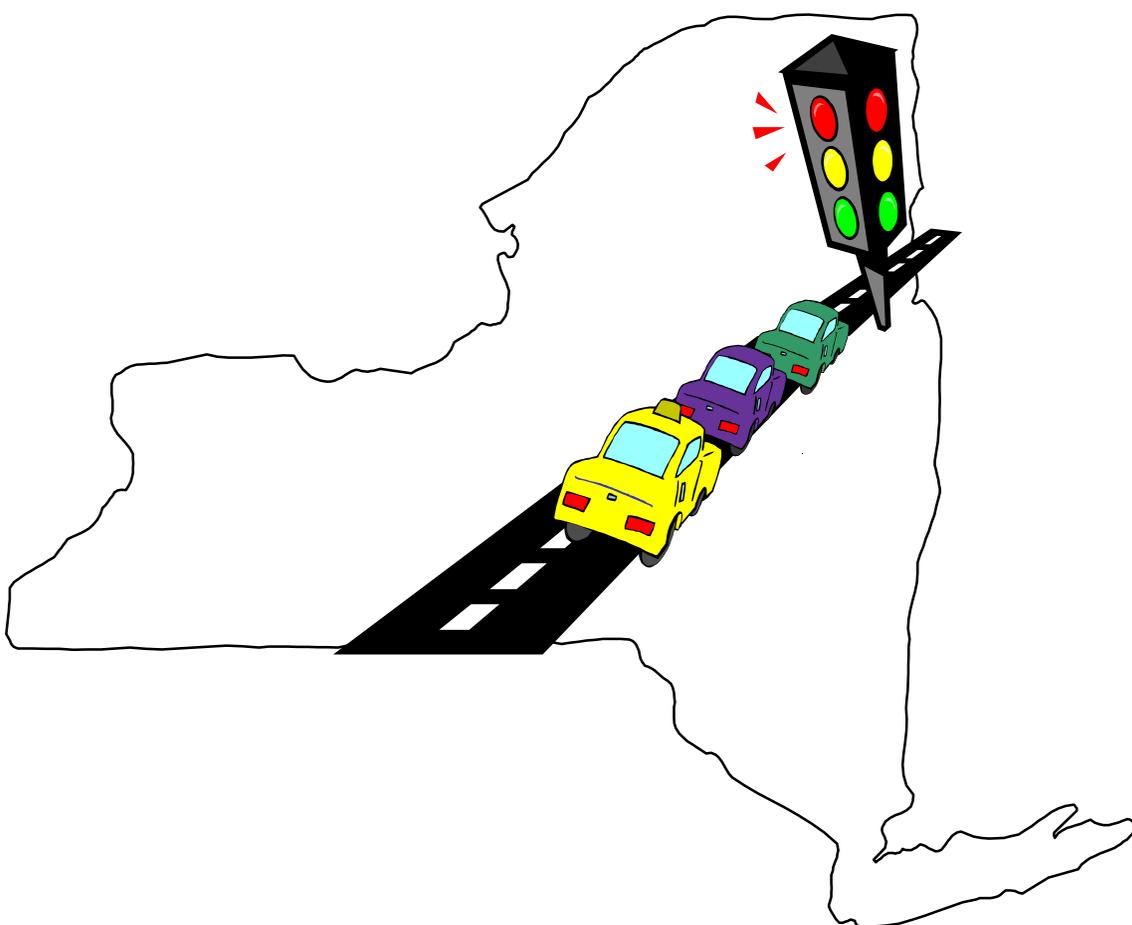


# **BROOME COUNTY**

## **TRAFFIC SAFETY DATA**



**Prepared by**

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**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

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## BROOME COUNTY

### CRASH DATA

	1999	%	2000	%	2001	%	2002	%
<b>TOTAL CRASHES* (events)</b>	<b>4,398</b>		<b>4,970</b>		<b>3,777 *</b>		<b>2,360 *</b>	
Fatal	21	0.5	19	0.4	13	0.3	13	0.6
Personal Injury	1,686	38.3	1,854	37.3	1,625	43.0	1,616	68.5
Property Damage*	2,691	61.2	3,097	62.3	2,139 *	56.6	731 *	31.0
<b>SELECTED CRASH TYPES (events)</b>								
Pedestrian crashes	78	1.8	78	1.6	80	2.1	68	2.9
Bicycle crashes	38	0.9	58	1.2	44	1.2	47	2.0
Motorcycle crashes	52	1.2	57	1.1	53	1.4	35	1.5
<b>TOTAL FATALITIES (persons)</b>	<b>24</b>		<b>19</b>		<b>13</b>		<b>13</b>	
Drivers	16	66.7	8	42.1	8	61.5	9	69.2
Passengers	5	20.8	6	31.6	3	23.1	3	23.1
Pedestrians	3	12.5	3	15.8	2	15.4	1	7.7
Bicyclists	0	0.0	1	5.3	0	0.0	0	0.0
<b>TOTAL INJURIES** (persons)</b>	<b>2,389</b>		<b>2,644</b>		<b>2,217</b>		<b>2,093</b>	
Drivers	1,562	65.4	1,684	63.7	1,444	65.1	1,354	64.7
Passengers	709	29.7	822	31.1	648	29.2	618	29.5
Pedestrians	76	3.2	77	2.9	79	3.6	65	3.1
Bicyclists	38	1.6	57	2.2	43	1.9	48	2.3

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 This policy was rescinded in mid 2001; the most direct impact of this change was a large decrease in the number of property damage only crashes; the effect is also reflected in the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

**BROOME COUNTY**  
**CRASH AND FATALITY & INJURY RATES**

	1999	2000	2001	2002
<b>CRASH RATES</b>				
Crash Rate per 10,000 Population	225.25	247.84	189.54*	117.89*
Crash Rate per 10,000 Licensed Drivers	315.54	351.34	265.31*	166.44*
<b>FATALITY &amp; INJURY RATES</b>				
Fatality & Injury Rate per 10,000 Population	125.59	134.79	112.91	110.99
Fatality & Injury Rate per 10,000 Licensed Drivers	175.92	191.08	158.05	156.70
<b>MEAN SEVERITY OF INJURY (MSI)</b>	1.348	1.325	1.316	1.321

\* 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.

## BROOME 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>4,214</b>		<b>4,695</b>		<b>3,605</b>		<b>1,751</b>	
Alcohol involvement	183	4.3	206	4.4	151	4.2	95	5.4
Unsafe speed	414	9.8	512	10.9	366	10.2	214	12.2
Driver inattention/distraction**	717	17.0	861	18.3	675	18.7	393	22.4
Failure to yield right-of-way	610	14.5	659	14.0	484	13.4	302	17.2
Following too closely	578	13.7	689	14.7	464	12.9	285	16.3
Improper passing/lane usage	228	5.4	266	5.7	207	5.7	78	4.5
Traffic control disregarded	214	5.1	210	4.5	162	4.5	120	6.9
Unsafe lane changing	154	3.7	173	3.7	139	3.9	44	2.5

\* 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.

## BROOME 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>10,438</b>	<b>149</b>	<b>11,222</b>	<b>150</b>	<b>8,781</b>	<b>113</b>	<b>4,570</b>	<b>122</b>
No restraint used	5.0	28.9	4.4	30.0	3.9	23.9	6.0	27.0
Restraint used	87.1	59.7	92.4	60.0	86.2	65.5	88.4	61.5
Restraint use unspecified	7.9	11.4	3.2	10.0	9.9	10.6	5.6	11.5

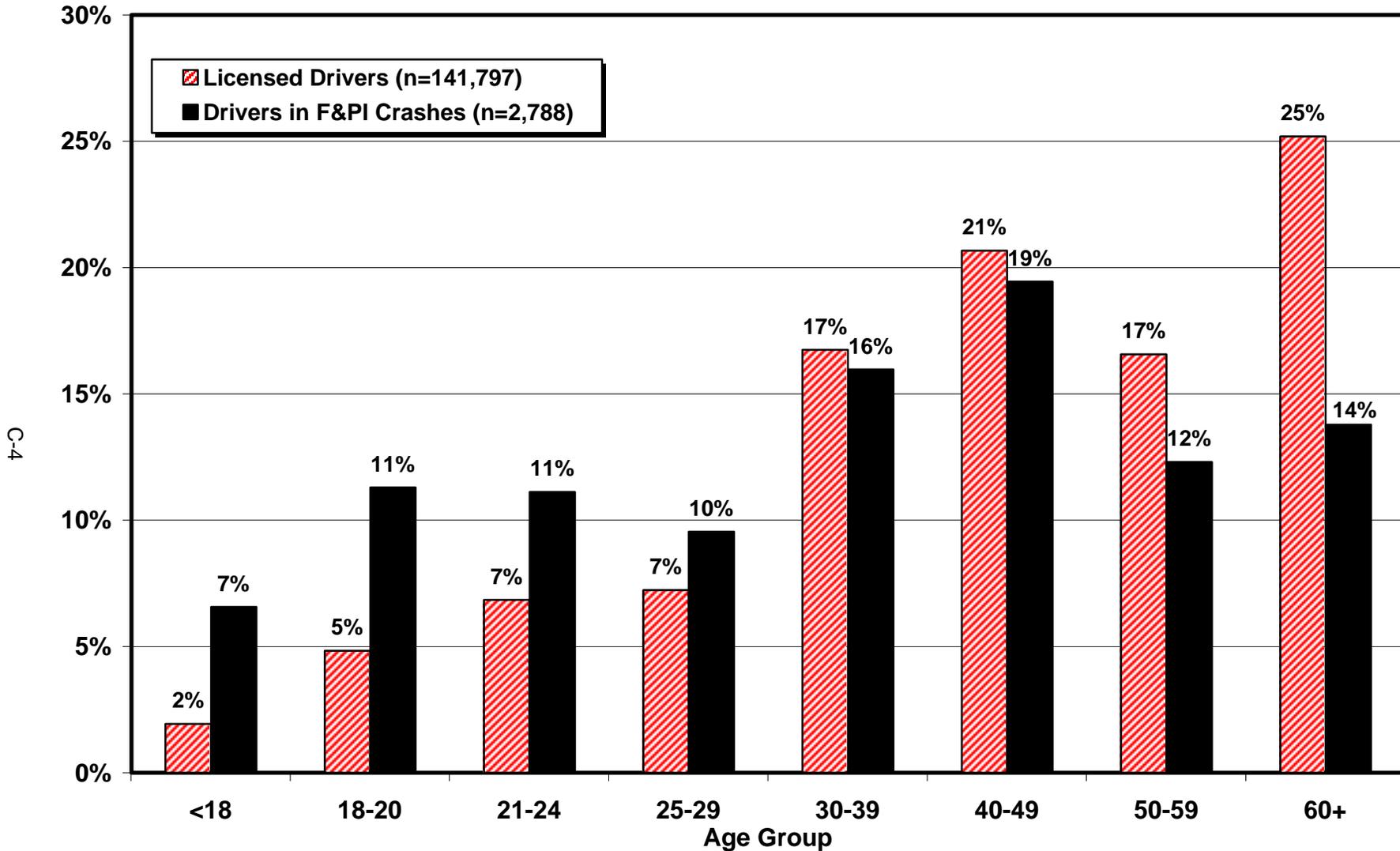
\* Police-reported crashes only.

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.

## Broome County 2002

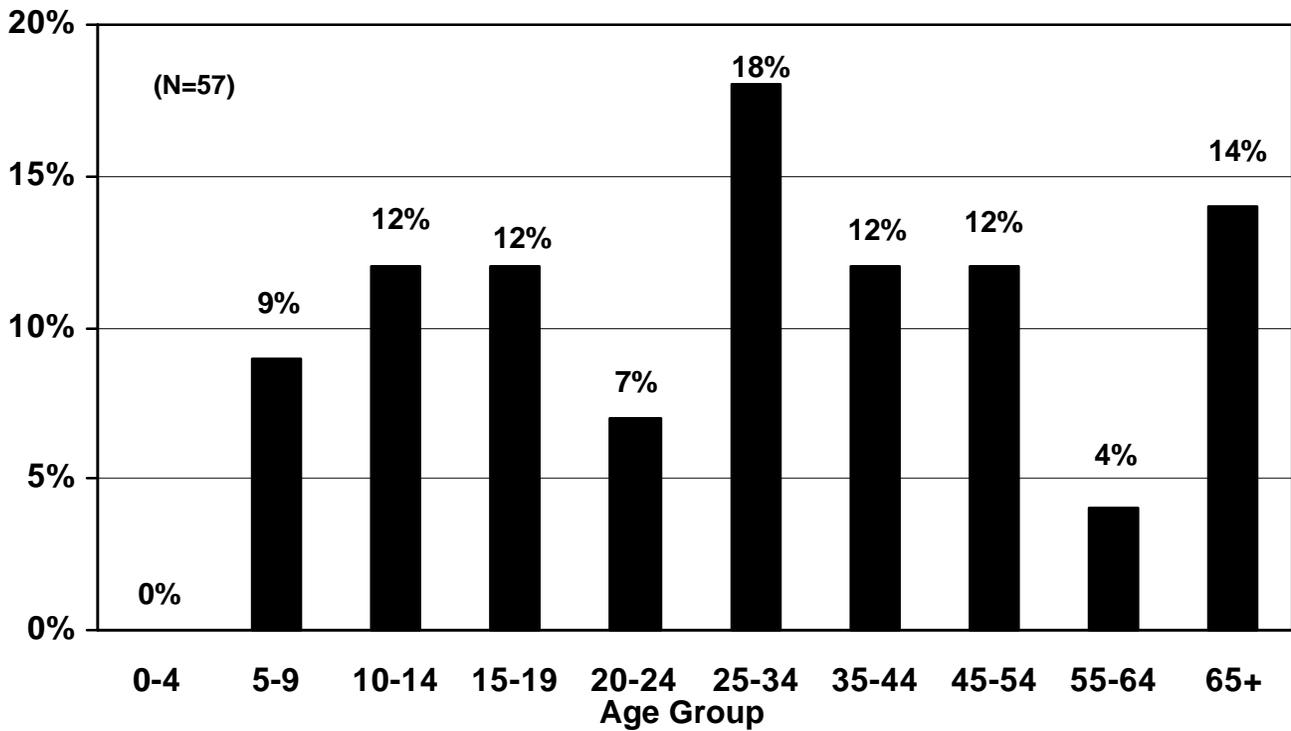
### Licensed Drivers and Drivers Involved in Fatal and Personal Injury Crashes by Age Group



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.

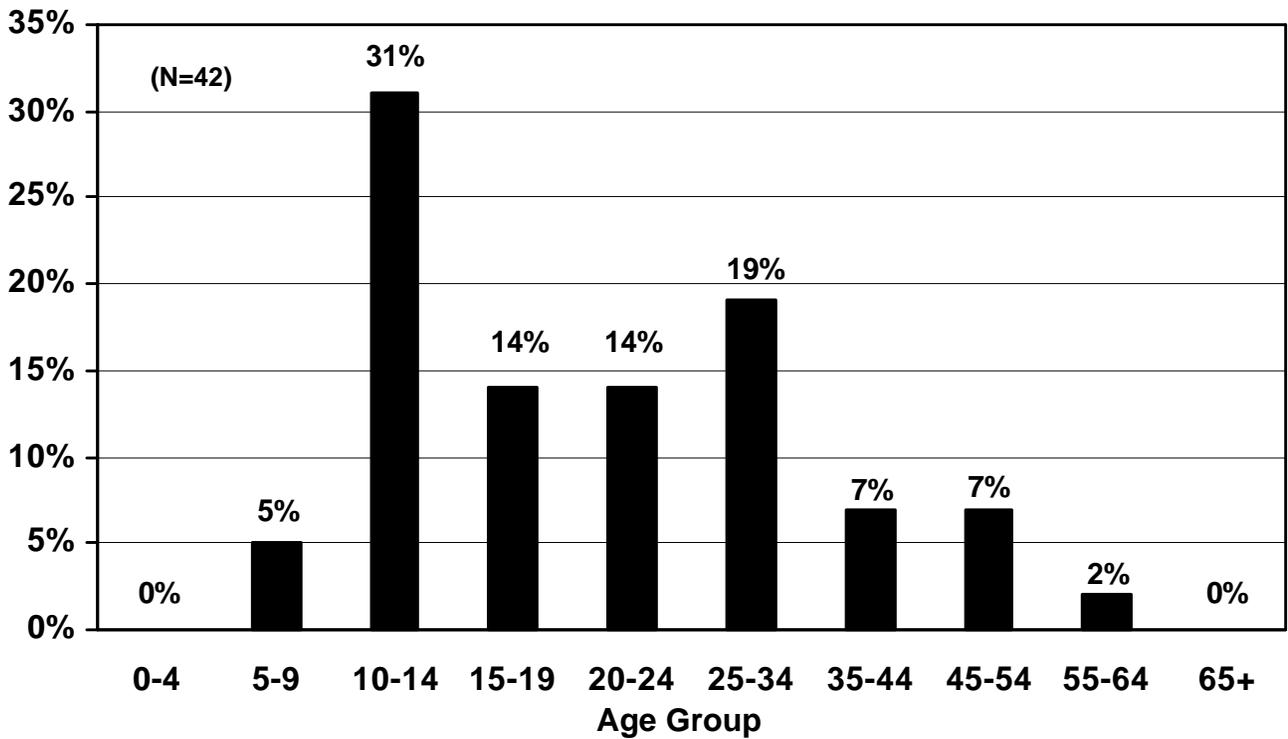
Source: NYSDMV driver's license file and NYSDMV AIS Data Base.

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



Source: NYSDMV AIS Data Base.

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



Source: NYSDMV AIS Data Base.

## BROOME COUNTY

### ALCOHOL-RELATED CRASH DATA\*

	1999	2000	2001	2002
<b>TOTAL CRASHES (events)</b>	<b>4,214</b>	<b>4,695</b>	<b>3,605</b>	<b>1,751</b>
Alcohol-related crashes	185	209	153	98
% of total crashes	4.4	4.5	4.2	5.6
<b>FATAL CRASHES (events)</b>	<b>21</b>	<b>19</b>	<b>13</b>	<b>13</b>
Alcohol-related fatal crashes	4	2	3	1
% of fatal crashes	19.0	10.5	23.1	7.7
<b>PERSONAL INJURY CRASHES (events)</b>	<b>1,655</b>	<b>1,821</b>	<b>1,605</b>	<b>1,520</b>
Alcohol-related injury crashes	97	113	92	90
% of injury crashes	5.9	6.2	5.7	5.9
<b>TOTAL FATALITIES (persons)</b>	<b>24</b>	<b>19</b>	<b>13</b>	<b>13</b>
Alcohol-related fatalities	4	2	3	1
% of total fatalities	16.7	10.5	23.1	7.7
<b>TOTAL INJURIES (persons)</b>	<b>2,389</b>	<b>2,644</b>	<b>2,217</b>	<b>2,093</b>
Alcohol-related injuries	136	175	141	114
% of total injuries	5.7	6.6	6.4	5.4

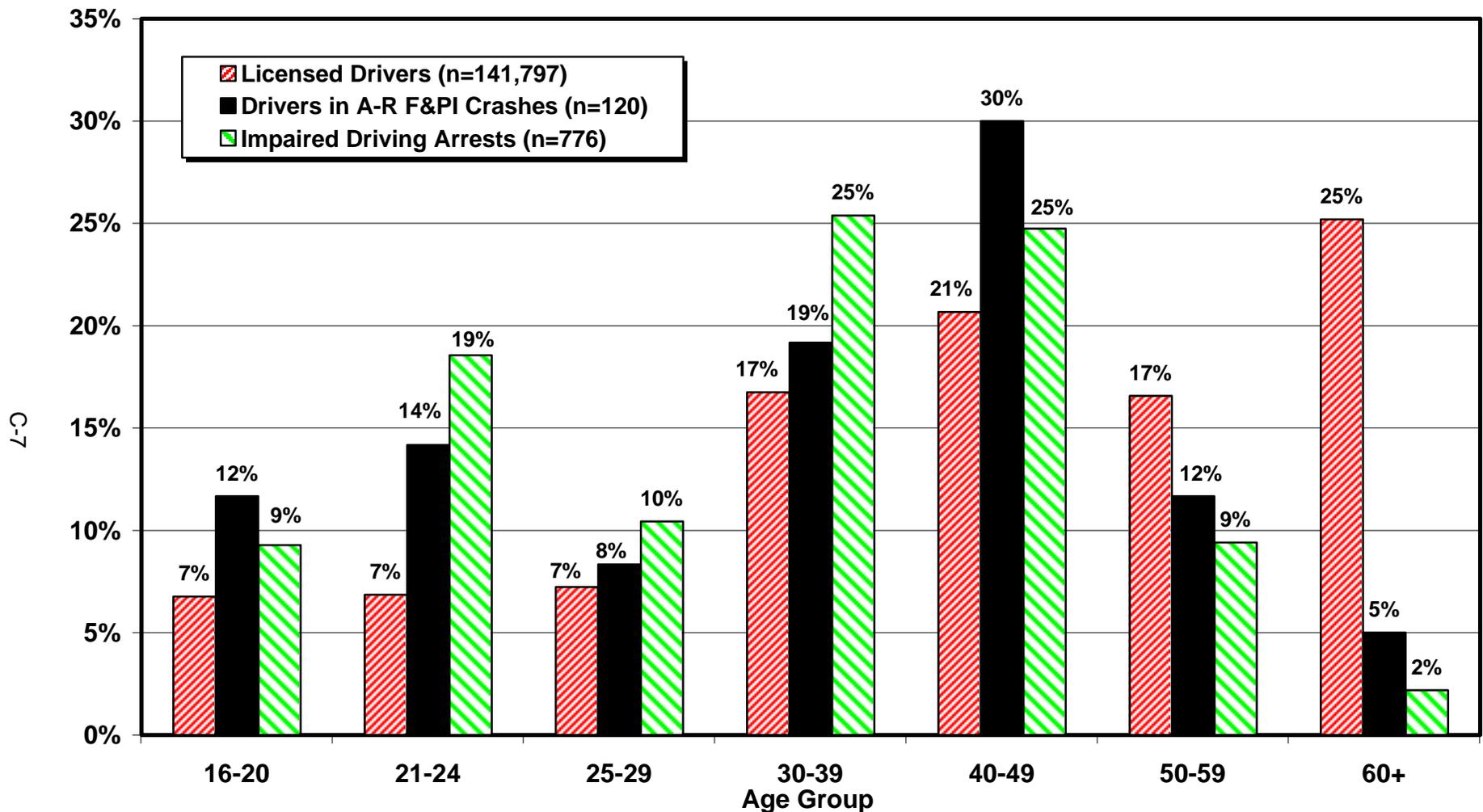
\* Police-reported crashes only.

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.

## Broome 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.

## BROOME 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>	12,913	11,692	12,715	10,874
% of total tickets	28.6	28.3	27.5	25.4
% convicted on same charge	63.2	54.3	46.3	46.5
<b>SAFETY RESTRAINTS (V&amp;T 1229c)</b>	7,026	4,773	6,226	5,445
% of total tickets	15.6	11.5	13.5	12.7
% convicted on same charge	82.7	81.2	75.0	72.4
<b>IMPAIRED DRIVING (V&amp;T 1192)</b>	1,145	1,046	1,091	957
% of total tickets	2.5	2.5	2.4	2.2
<b>PERSONS ARRESTED*</b>	850	772	777	649
% arrested as result of patrol activity**	79.6	80.3	81.9	80.3
% arrested as result of crash	19.0	18.7	17.0	18.5
% arrested as result of <i>other means</i> ***	1.4	1.0	1.2	1.2
<b>TOTAL TICKETS FOR ALL V&amp;T VIOLATIONS</b>	<b>45,111</b>	<b>41,360</b>	<b>46,279</b>	<b>42,867</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: NYS DMV TSLE&D ticket system.

**BROOME COUNTY**

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

	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>
<b>Persons Arrested</b>	<b>(N=850)</b>	<b>(N=772)</b>	<b>(N=778)</b>	<b>N=649)</b>
Case adjudicated	92.9%	80.0%	87.7%	80.3%
Case pending	7.1%	20.0%	12.3%	19.7%
<b>Disposition of Adjudicated Cases*</b>	<b>(N=790)</b>	<b>(N=618)</b>	<b>(N=682)</b>	<b>(N=521)</b>
<b><i>Convicted on Alcohol Charge</i></b>	<b>93.7%</b>	<b>94.4%</b>	<b>92.8%</b>	<b>95.4%</b>
Convicted on original alcohol charge	54.7%	50.0%	50.0%	60.1%
Convicted on reduced alcohol charge	25.8%	30.3%	28.4%	23.2%
Convicted on other alcohol charge	13.2%	14.1%	14.4%	12.1%
<b><i>Convicted on Non-Alcohol Charge</i></b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.2%</b>
<b><i>Dismissed/Acquitted/Convicted on charge associated with different event</i></b>	<b>6.0%</b>	<b>5.3%</b>	<b>7.2%</b>	<b>4.4%</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.

**BROOME COUNTY**

**DWI/AI Probation Data**

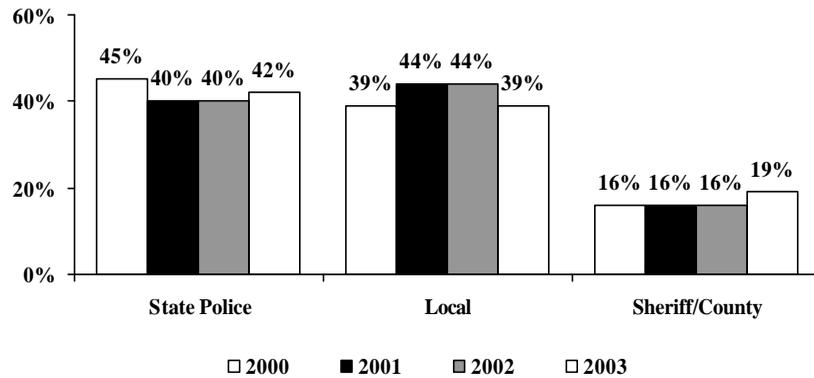
	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>
<b>Number of Persons Sentenced to Probation</b>	161	165	152	108
<b>Number of Persons on Probation*</b>	521	564	361	254

\* 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.

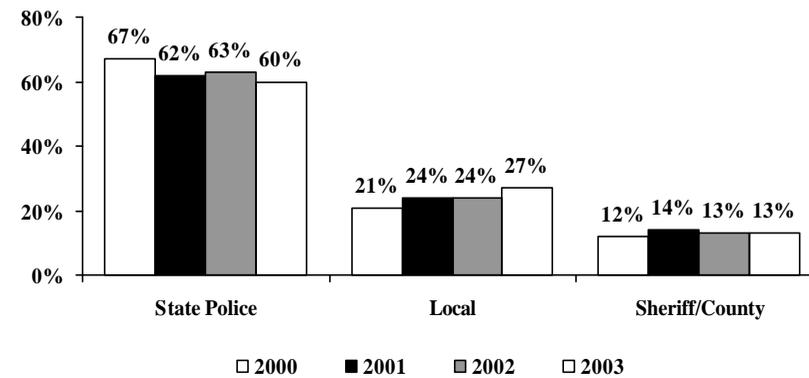
Source: NYS Division of Probation and Correctional Alternatives.

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

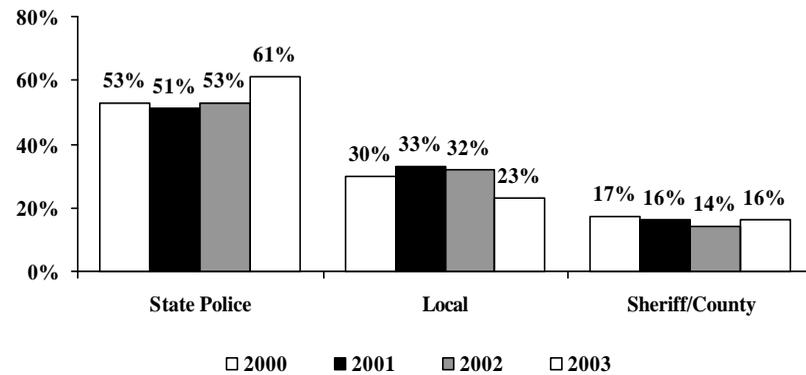
**All Tickets**



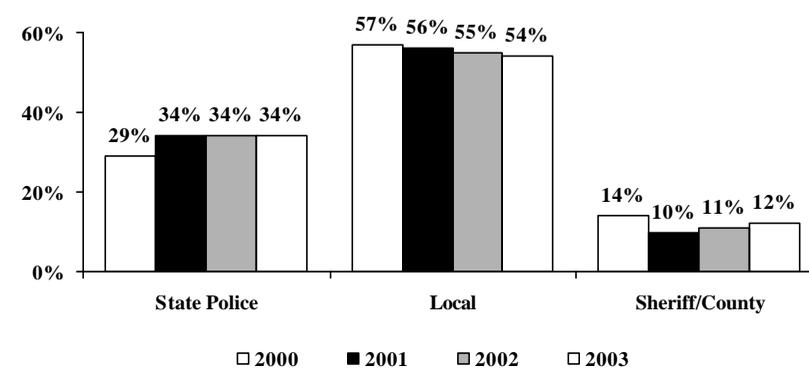
**Seat Belt Tickets**



**Speed Tickets**



**Persons Ticketed for Impaired Driving**



## BROOME 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
Broome Sheriff NCIC 00300	alcohol	158	19.8	13.8	113	15.3	10.8	134	17.6	12.3	118	17.9	12.3
	speed	2,236	37.3	17.3	1,847	33.6	15.8	1,797	31.2	14.1	1,773	42.9	16.3
	seatbelt	826	36.1	11.9	643	35.7	13.4	813	35.2	13.1	694	32.6	12.7
Binghamton P.D. NCIC 00301	alcohol	213	26.8	18.7	222	30.0	21.2	200	26.3	18.3	168	25.5	17.6
	speed	1,365	22.8	10.5	1,716	31.2	14.6	1,637	28.4	12.9	1,107	26.8	10.2
	seatbelt	619	27.1	8.9	400	22.2	8.4	425	18.4	6.8	385	18.1	7.1
Endicott P.D. NCIC 00302	alcohol	114	14.3	10.0	70	9.5	6.7	83	10.9	7.6	107	16.2	11.2
	speed	544	9.1	4.2	286	5.2	2.4	272	4.7	2.1	196	4.7	1.8
	seatbelt	226	9.9	3.2	66	3.7	1.4	339	14.7	5.4	219	10.3	4.0
Johnson City P.D. NCIC 00303	alcohol	153	19.2	13.4	154	20.8	14.7	111	14.6	10.2	96	14.5	10.0
	speed	406	6.8	3.1	444	8.1	3.8	654	11.3	5.1	524	12.7	4.8
	seatbelt	212	9.3	3.0	222	12.3	4.6	300	13.0	4.8	384	18.0	7.1
Port Dickinson P.D. NCIC 00320	alcohol	10	1.3	0.9	8	1.1	0.8	2	0.3	0.2	18	2.7	1.9
	speed	98	1.6	0.8	26	0.5	0.2	39	0.7	0.3	33	0.8	0.3
	seatbelt	65	2.8	0.9	54	3.0	1.1	29	1.3	0.5	77	3.6	1.4
Deposit Vill. P.D. NCIC 00322	alcohol	13	1.6	1.1	9	1.2	0.9	5	0.7	0.5	0	0.0	0.0
	speed	121	2.0	0.9	74	1.3	0.6	216	3.7	1.7	36	0.9	0.3
	seatbelt	83	3.6	1.2	34	1.9	0.7	60	2.6	1.0	39	1.8	0.7
Vestal P.D. NCIC 00364	alcohol	135	17.0	11.8	164	22.2	15.6	225	29.6	20.6	153	23.2	16.0
	speed	1,222	20.4	9.4	1,111	20.2	9.5	1,148	19.9	9.0	463	11.2	4.3
	seatbelt	254	11.1	3.6	383	21.3	8.0	345	14.9	5.5	331	15.5	6.1

## BROOME 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
<b>Totals by Agency Type</b>												
Sheriff and Local	alcohol	796	69.7	740	70.6	760	69.7	660	69.0			
	speed	5,992	46.3	5,504	47.0	5,763	45.3	4,132	38.0			
	seatbelt	2,285	32.8	1,802	37.7	2,311	37.1	2,129	39.1			
State Police	alcohol	344	30.1	267	25.5	271	24.8	273	28.5			
	speed	6,940	53.6	6,021	51.4	6,801	53.5	6,599	60.7			
	seatbelt	4,663	66.9	2,974	62.1	3,893	62.5	3,278	60.2			
Other incl. SUNY and Park Police	alcohol	2	0.2	41	3.9	60	5.5	24	2.5			
	speed	18	0.1	194	1.7	149	1.2	143	1.3			
	seatbelt	19	0.3	10	0.2	22	0.4	38	0.7			
<b>County Totals</b>		<b>1,142</b>		<b>1,048</b>		<b>1,091</b>		<b>957</b>				
	alcohol	<b>12,950</b>		<b>11,719</b>		<b>12,713</b>		<b>10,874</b>				
	speed	<b>6,967</b>		<b>4,786</b>		<b>6,226</b>		<b>5,445</b>				
	seatbelt											

Source: NYS DMV