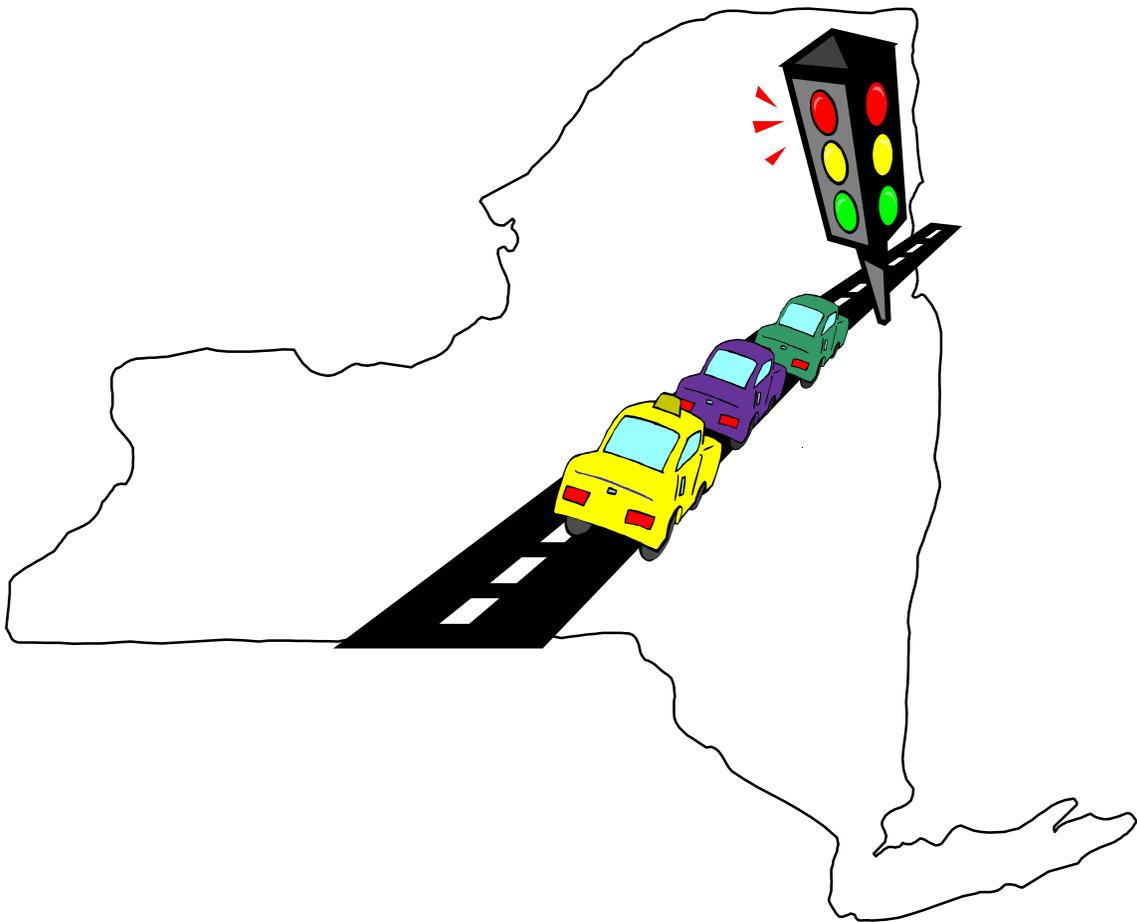


# **TOMPKINS COUNTY**

## **TRAFFIC SAFETY DATA**



**Prepared by**

**Institute for Traffic Safety Management and Research**

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**February 2004**

## COUNTY TRAFFIC SAFETY DATA

This document provides various crash and ticket data for the county. Ticket data are presented for the years 1999-2002. Since 2001 is the most recent year for which crash data are available, the crash data provided cover the years 1998-2001. 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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Albany  
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Orange  
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Ulster  
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Cortland  
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Chenango  
Delaware  
Erie  
Genesee  
Niagara  
Orleans  
Otsego  
Tioga  
Tompkins  
Wyoming

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# TOMPKINS COUNTY

## CRASH DATA

	1998	%	1999	%	2000	%	2001	%
<b>TOTAL CRASHES* (events)</b>	<b>1,601 *</b>		<b>2,182 *</b>		<b>2,561 *</b>		<b>1,988 *</b>	
Fatal	6	0.4	5	0.2	6	0.2	7	0.4
Personal Injury	623	38.9	715	32.8	740	28.9	640	32.2
Property Damage*	972 *	60.7	1,462 *	67.0	1,815 *	70.9	1,341 *	67.5
<b>SELECTED CRASH TYPES (events)</b>								
Pedestrian crashes	25	1.6	31	1.4	21	0.8	29	1.5
Bicycle crashes	21	1.3	24	1.1	21	0.8	24	1.2
Motorcycle crashes	15	0.9	20	0.9	25	1.0	21	1.1
<b>TOTAL FATALITIES (persons)</b>	<b>6</b>		<b>7</b>		<b>6</b>		<b>7</b>	
Drivers	3	50.0	4	57.1	4	66.7	7	100
Passengers	1	16.7	2	28.6	1	16.7	0	0.0
Pedestrians	0	0.0	1	14.3	1	16.7	0	0.0
Bicyclists	2	33.3	0	0.0	0	0.0	0	0.0
<b>TOTAL INJURIES** (persons)</b>	<b>911</b>		<b>972</b>		<b>998</b>		<b>867</b>	
Drivers	572	62.8	630	64.8	677	67.8	568	65.5
Passengers	292	32.1	287	29.5	278	27.9	242	27.9
Pedestrians	28	3.1	30	3.1	21	2.1	30	3.5
Bicyclists	18	2.0	24	2.5	21	2.1	24	2.8

\* Prior to October 1997, by law the DMV could not record property damage crashes on its file unless at least one motorist involved in the crash submitted a report, even if a police accident report was filed. The most direct impact of this change in criteria was a large increase 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: 1998-2000 NYSDMV county MV-144A, Table 1, and special county MV-144A on motorcycle crashes, Table 1.  
2001 NYSDMV AIS Data Base.

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

	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>
<b>CRASH RATES</b>				
Crash Rate per 10,000 Population	166.74	223.44	265.39	206.01
Crash Rate per 10,000 Licensed Drivers	282.60	381.94	438.29	333.42
<b>FATALITY &amp; INJURY RATES</b>				
Fatality & Injury Rate per 10,000 Population	97.79	102.20	106.73	92.64
Fatality & Injury Rate per 10,000 Licensed Drivers	165.75	174.69	176.27	149.94
<b>MEAN SEVERITY OF INJURY (MSI)</b>	1.417	1.410	1.427	1.379

Source: NYSDMV county 144As, Table 1, Table 2, and Table 19.  
 NYSDMV driver's license file.  
 U.S. Census Bureau Redistricting Data.

**TOMPKINS COUNTY**  
**SELECTED CONTRIBUTING FACTORS IN CRASHES\***

	<b>1998</b>	<b>%</b>	<b>1999</b>	<b>%</b>	<b>2000</b>	<b>%</b>	<b>2001</b>	<b>%</b>
<b>Total Crashes</b>	<b>1,394</b>		<b>2,006</b>		<b>2,336</b>		<b>1,856</b>	
Alcohol involvement	45	3.2	53	2.6	70	3.0	60	3.2
Unsafe speed	135	9.7	201	10.0	266	11.4	185	10.0
Driver inattention/distraction**	273	19.6	343	17.1	328	14.0	238	12.8
Failure to yield right-of-way	241	17.3	299	14.9	342	14.6	259	14.0
Following too closely	188	13.5	235	11.7	276	11.8	231	12.4
Improper passing/lane usage	61	4.4	114	5.7	118	5.1	78	4.2
Traffic control disregarded	98	7.0	100	5.0	113	4.8	65	3.5
Unsafe lane changing	54	3.9	69	3.4	77	3.3	67	3.6

\* 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: 1998-2000 NYSDMV county MV-144A, Table 13(P).  
2001 NYSDMV AIS Data Base.

**TOMPKINS COUNTY**  
**REPORTED SAFETY RESTRAINT USE IN CRASHES\***

	<b>1998</b>		<b>1999</b>		<b>2000</b>		<b>2001</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>
	<b>3,517</b>	<b>73</b>	<b>4,689</b>	<b>90</b>	<b>5,165</b>	<b>94</b>	<b>4,211</b>	<b>65</b>
No restraint used	5.8	34.2	4.3	36.7	4.7	21.3	3.0	13.8
Restraint used	87.0	57.5	88.3	58.9	93.4	71.3	88.8	78.5
Restraint use unspecified	7.2	8.2	7.4	4.4	2.0	7.4	8.3	7.7

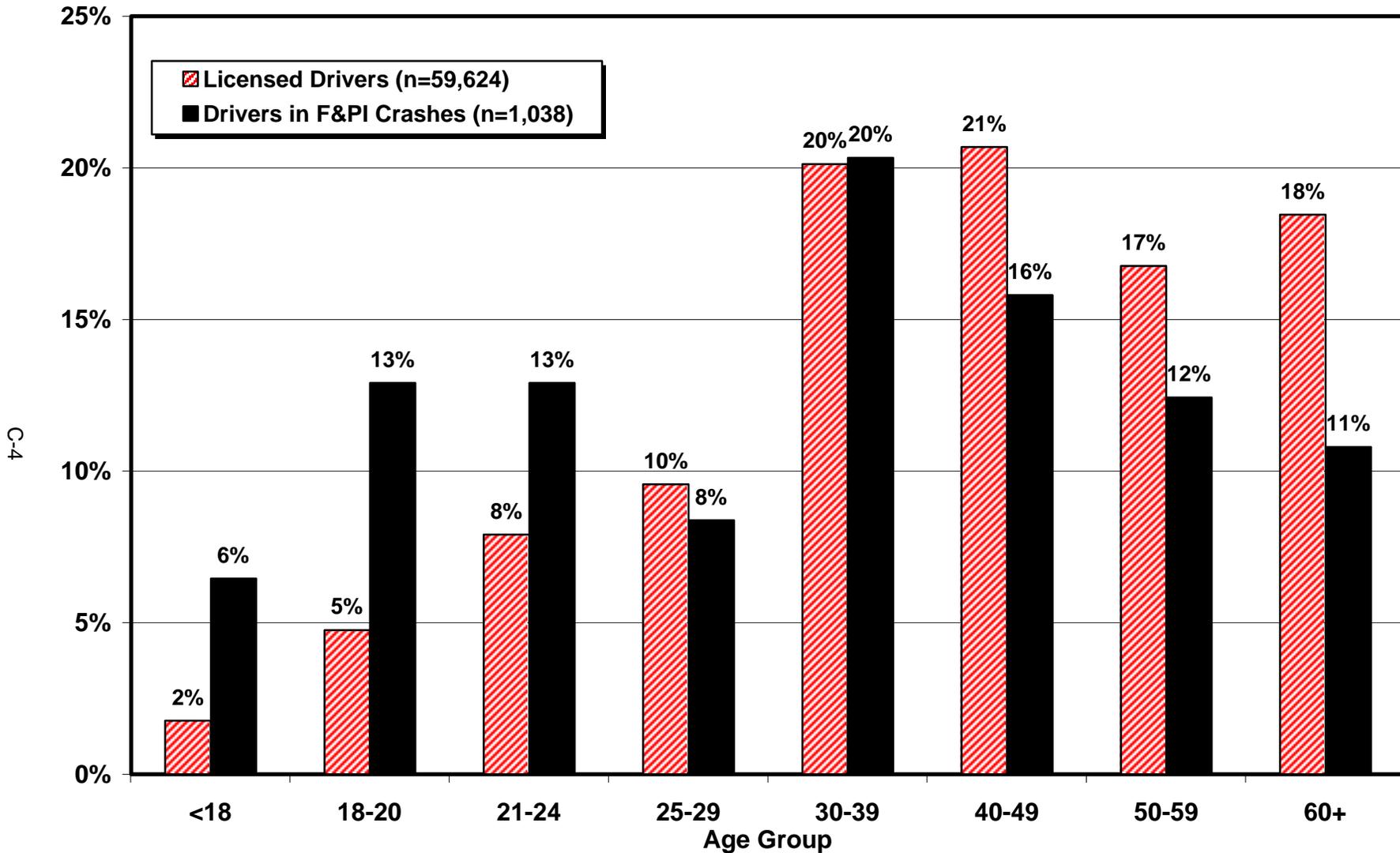
\* Police-reported crashes only.

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

Source: 1998-2000 NYSDMV county MV-144A, Table 29(P).  
2001 NYSDMV AIS Data Base.

## Tompkins County 2001

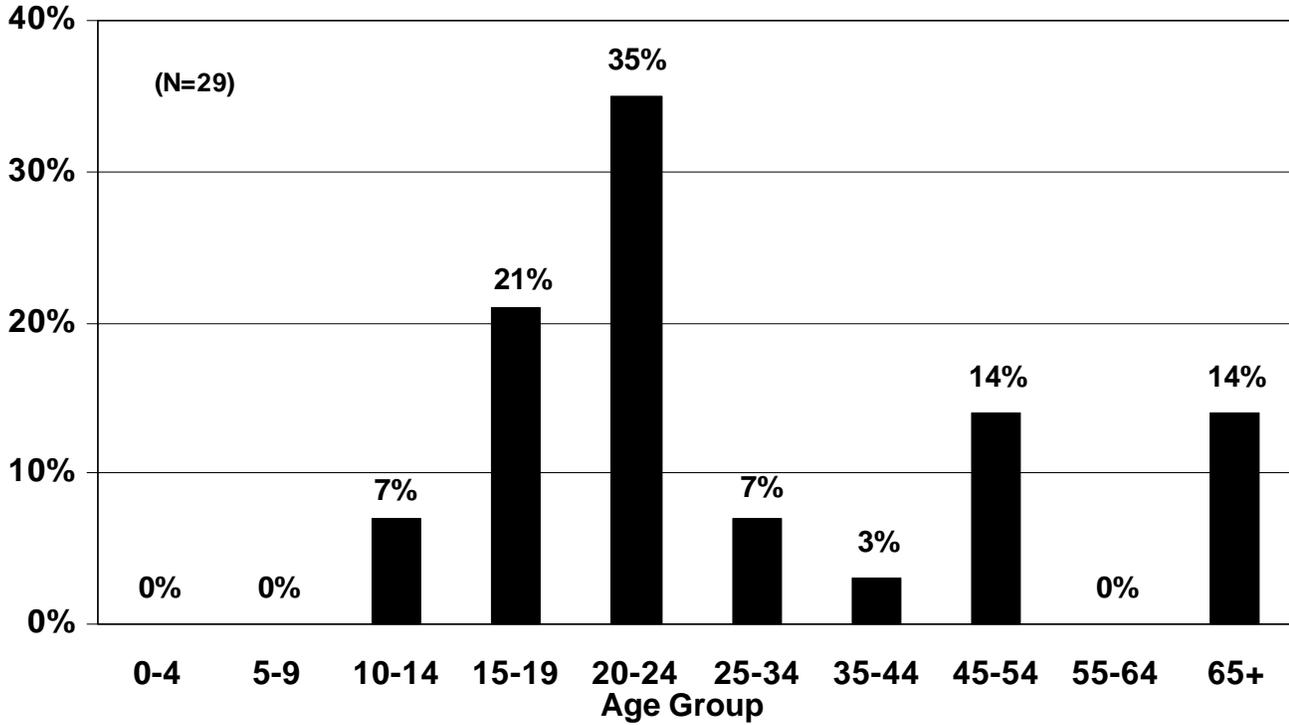
### Licensed Drivers and Drivers Involved in Fatal and Personal Injury Crashes by Age Group



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.

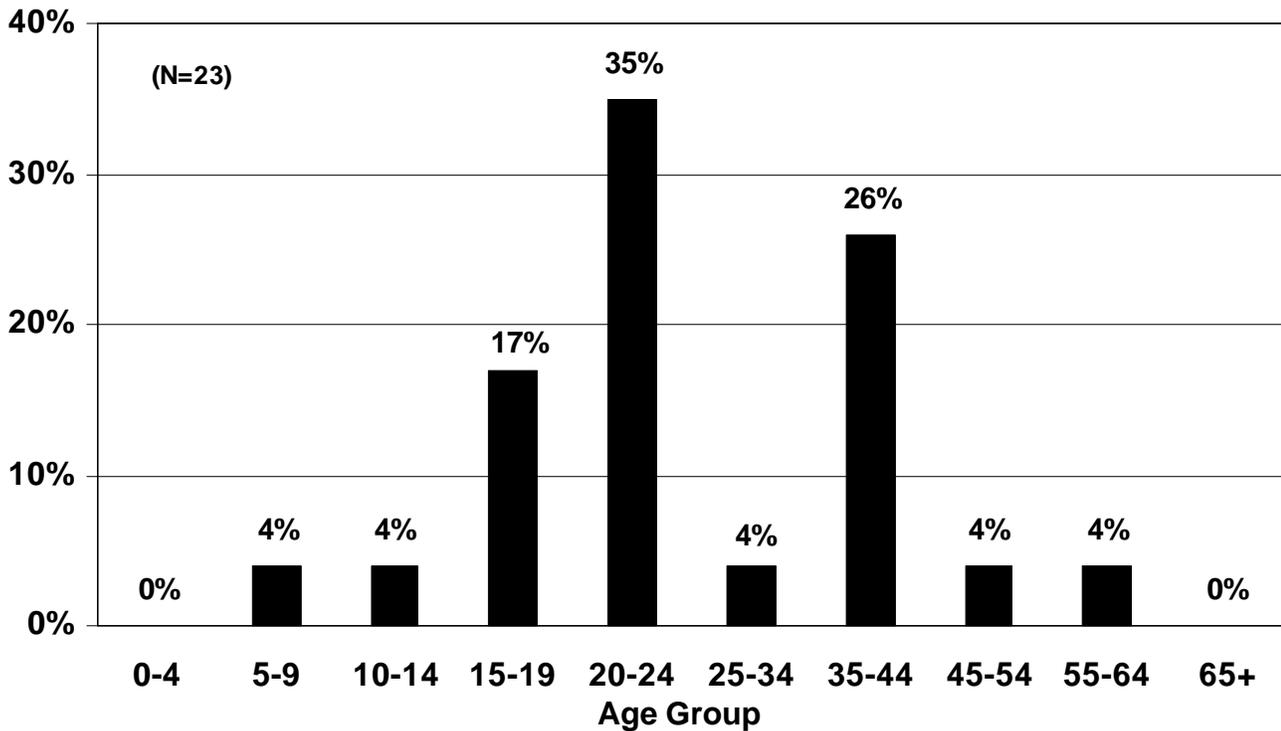
Source: NYSDMV driver's license file and NYSDMV AIS Data Base.

**Tompkins County 2001  
Pedestrians Killed or Injured by Age Group**



Source: NYSDMV AIS Data Base.

**Tompkins County 2001  
Bicyclists Killed or Injured by Age Group**



Source: NYSDMV AIS Data Base.

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

	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>
<b>TOTAL CRASHES (events)</b>	<b>1,394</b>	<b>2,006</b>	<b>2,336</b>	<b>1,856</b>
Alcohol-related crashes	46	54	73	60
% of total crashes	3.3	2.7	3.1	3.2
<b>FATAL CRASHES (events)</b>	<b>6</b>	<b>5</b>	<b>6</b>	<b>7</b>
Alcohol-related fatal crashes	2	1	1	3
% of fatal crashes	33.3	20.0	16.7	42.9
<b>PERSONAL INJURY CRASHES (events)</b>	<b>604</b>	<b>696</b>	<b>716</b>	<b>623</b>
Alcohol-related injury crashes	31	32	39	33
% of injury crashes	5.1	4.6	5.4	5.3
<b>TOTAL FATALITIES (persons)</b>	<b>6</b>	<b>7</b>	<b>6</b>	<b>7</b>
Alcohol-related fatalities	2	1	1	3
% of total fatalities	33.3	14.3	16.7	42.9
<b>TOTAL INJURIES (persons)</b>	<b>911</b>	<b>972</b>	<b>998</b>	<b>867</b>
Alcohol-related injuries	52	42	58	50
% of total injuries	5.7	4.3	5.8	5.8

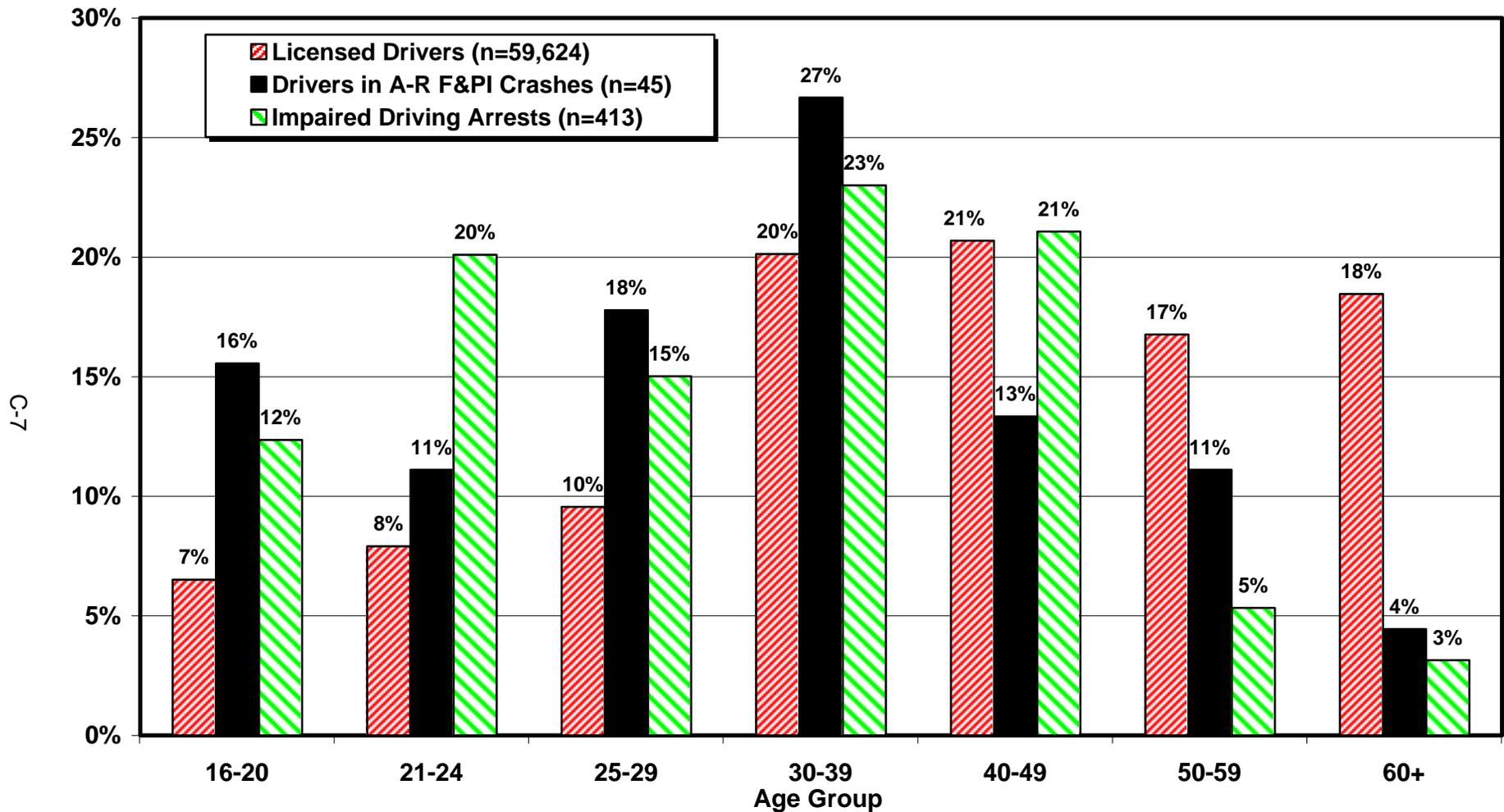
\* Police-reported crashes only.

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

Source: 1998-2000 NYSDMV county MV-144A, Table 1 and the DMV Office of Data Processing.  
2001 NYSDMV AIS Data Base.

## Tompkins County 2001

### 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.

## TOMPKINS COUNTY

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

VIOLATION	1999	2000	2001	2002
<b>SPEED (V&amp;T 1180)</b>	5,616	5,254	4,353	5,135
% of total tickets	26.9	26.7	25.3	28.4
% convicted on same charge	82.7	85.2	80.6	77.3
<b>SAFETY RESTRAINTS (V&amp;T 1229c)</b>	2,229	2,745	2,186	2,321
% of total tickets	10.7	14.0	12.7	12.8
% convicted on same charge	81.9	84.5	82.9	77.7
<b>IMPAIRED DRIVING (V&amp;T 1192)</b>	750	676	659	521
% of total tickets	3.6	3.4	3.8	2.9
<b>PERSONS ARRESTED*</b>	479	440	414	346
% arrested as result of patrol activity**	91.4	90.0	87.7	87.3
% arrested as result of crash	7.5	8.6	11.6	11.9
% arrested as result of <i>other means</i> ***	1.0	1.4	0.7	0.9
<b>TOTAL TICKETS FOR ALL V&amp;T VIOLATIONS</b>	<b>20,873</b>	<b>19,647</b>	<b>17,238</b>	<b>18,067</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.

## TOMPKINS COUNTY

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

	1999	2000	2001	2002
<b>Persons Arrested</b>	<b>(N=479)</b>	<b>(N=440)</b>	<b>(N=414)</b>	<b>(N=346)</b>
Case adjudicated	94.6%	90.5%	76.3%	89.9%
Case pending	5.4%	9.5%	23.7%	10.1%
<b>Disposition of Adjudicated Cases*</b>	<b>(N=453)</b>	<b>(N=398)</b>	<b>(N=316)</b>	<b>(N=311)</b>
<b>Convicted on Alcohol Charge</b>	<b>92.3%</b>	<b>92.0%</b>	<b>90.5%</b>	<b>93.8%</b>
Convicted on original alcohol charge	25.2%	27.9%	43.7%	39.2%
Convicted on reduced alcohol charge	59.6%	57.3%	38.9%	36.0%
Convicted on other alcohol charge	7.5%	6.8%	7.9%	18.6%
<b>Convicted on Non-Alcohol Charge</b>	<b>0.4%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>Dismissed/Acquitted/Convicted on charge associated with different event</b>	<b>7.3%</b>	<b>8.0%</b>	<b>9.5%</b>	<b>6.2%</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.

## TOMPKINS COUNTY

### DWI/AI Probation Data

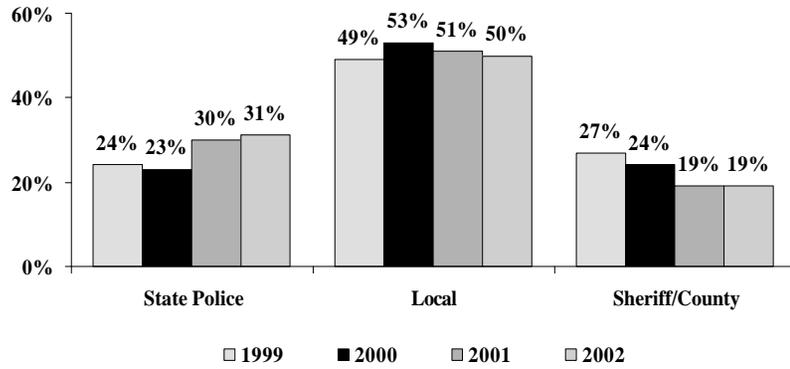
	1999	2000	2001	2002
<b>Number of Persons Sentenced to Probation</b>	60	69	66	91
<b>Number of Persons on Probation*</b>	196	217	262	231

\* 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 data with the data from earlier years.

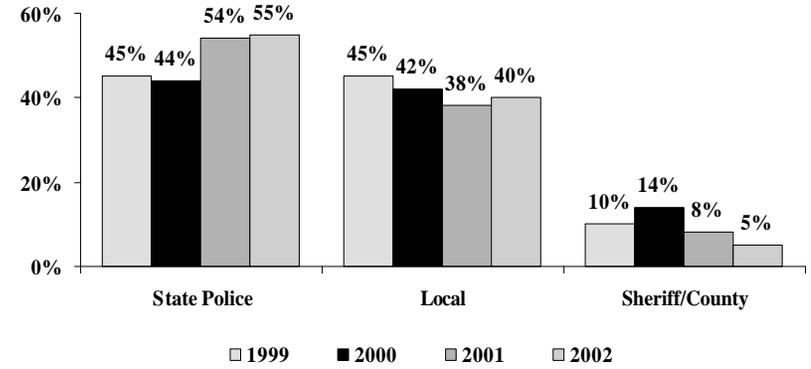
Source: NYS Division of Probation and Correctional Alternatives.

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

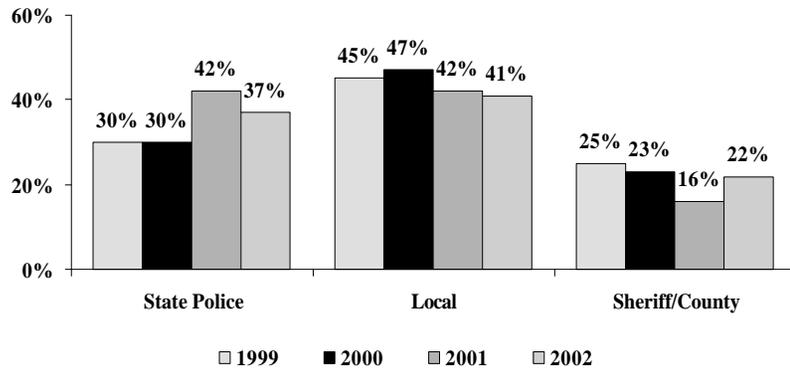
**All Tickets**



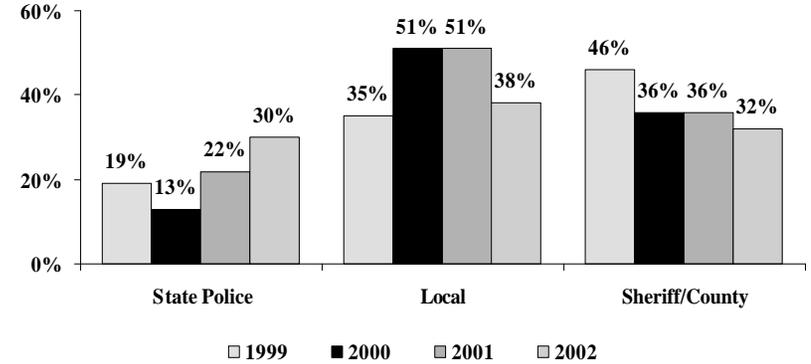
**Seat Belt Tickets**



**Speed Tickets**



**Persons Ticketed for Impaired Driving**



## TOMPKINS COUNTY

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

Enforcement Agency		1999			2000			2001			2002		
		#	% of Shf/Local	% of Co. Total	#	% of Shf/Local	% of Co. Total	#	% of Shf/Local	% of Co. Total	#	% of Shf/Local	% of Co. Total
Tompkins Sheriff	alcohol	365	54.6	48.7	246	41.8	36.2	190	34.4	30.0	187	46.3	36.0
NCIC 05400	speed	1,429	34.8	25.4	1,201	32.5	22.7	700	27.6	16.1	1,123	35.0	21.9
	seatbelt	227	18.1	10.2	398	26.1	14.4	176	17.7	8.1	104	10.2	4.5
Ithaca P.D.	alcohol	143	21.4	19.1	221	37.5	32.5	231	41.8	36.4	100	24.8	19.2
NCIC 05401	speed	998	24.3	17.8	763	20.6	14.4	555	21.9	12.8	863	26.9	16.8
	seatbelt	316	25.3	14.2	446	29.3	16.1	227	22.8	10.5	164	16.0	7.1
Cornell University P.D.	alcohol	42	6.3	5.6	40	6.8	5.9	41	7.4	6.5	25	6.2	4.8
NCIC 05411	speed	140	3.4	2.5	188	5.1	3.5	176	6.9	4.0	171	5.3	3.3
	seatbelt	202	16.1	9.1	145	9.5	5.2	306	30.7	14.1	416	40.7	17.9
Dryden P.D.	alcohol	42	6.3	5.6	14	2.4	2.1	15	2.7	2.4	19	4.7	3.7
NCIC 05420	speed	576	14.0	10.3	596	16.1	11.2	431	17.0	9.9	400	12.5	7.8
	seatbelt	180	14.4	8.1	216	14.2	7.8	106	10.6	4.9	104	10.2	4.5
Groton P.D.	alcohol	26	3.9	3.5	23	3.9	3.4	14	2.5	2.2	10	2.5	1.9
NCIC 05422	speed	166	4.0	3.0	76	2.1	1.4	64	2.5	1.5	49	1.5	1.0
	seatbelt	133	10.6	6.0	106	7.0	3.8	26	2.6	1.2	20	2.0	0.9
Trumansburg P.D.	alcohol	22	3.3	2.9	27	4.6	4.0	41	7.4	6.5	51	12.6	9.8
NCIC 05424	speed	156	3.8	2.8	188	5.1	3.5	147	5.8	3.4	185	5.8	3.6
	seatbelt	87	7.0	3.9	162	10.6	5.9	141	14.2	6.5	84	8.2	3.6

## TOMPKINS COUNTY

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

Enforcement Agency		1999			2000			2001			2002		
		#	% of Shf/Local	% of Co. Total	#	% of Shf/Local	% of Co. Total	#	% of Shf/Local	% of Co. Total	#	% of Shf/Local	% of Co. Total
Cayuga Hgts. P.D.	alcohol	6	0.9	0.8	17	2.9	2.5	13	2.4	2.1	11	2.7	2.1
NCIC 05425	speed	396	9.6	7.1	536	14.5	10.1	410	16.1	9.4	243	7.6	4.7
	seatbelt	55	4.4	2.5	43	2.8	1.6	13	1.3	0.6	38	3.7	1.6
Finger Lakes St. Park Police	alcohol	22	3.3	2.9	1	0.2	0.1	7	1.3	1.1	1	0.2	0.2
NCIC 05490	speed	246	6.0	4.4	147	4.0	2.8	56	2.2	1.3	175	5.5	3.4
	seatbelt	51	4.1	2.3	7	0.5	0.3	1	0.1	<0.1	92	9.0	4.0
<b>Totals by Agency Type</b>													
Sheriff and Local	alcohol	668		89.1	589		86.7	552		87.1	404		77.7
	speed	4,107		73.1	3,695		69.7	2,539		58.3	3,209		62.5
	seatbelt	1,251		56.1	1,523		55.1	996		46.0	1,022		44.1
State Police	alcohol	82		10.9	86		12.7	81		12.8	106		20.4
	speed	1,509		26.9	1,605		30.3	1,813		41.7	1,917		37.3
	seatbelt	980		43.9	1,226		44.4	1,171		54.0	1,278		55.1
Other	alcohol	0		0.0	4		0.6	1		0.2	10		1.9
incl. Ithaca College	speed	0		0.0	2		<0.1	0		0.0	7		0.1
	seatbelt	0		0.0	15		0.5	0		0.0	19		0.8
<b>County Totals</b>													
	alcohol	750			679			634			520		
	speed	5,616			5,302			4,352			5,133		
	seatbelt	2,231			2,764			2,167			2,319		

Source: NYSDMV