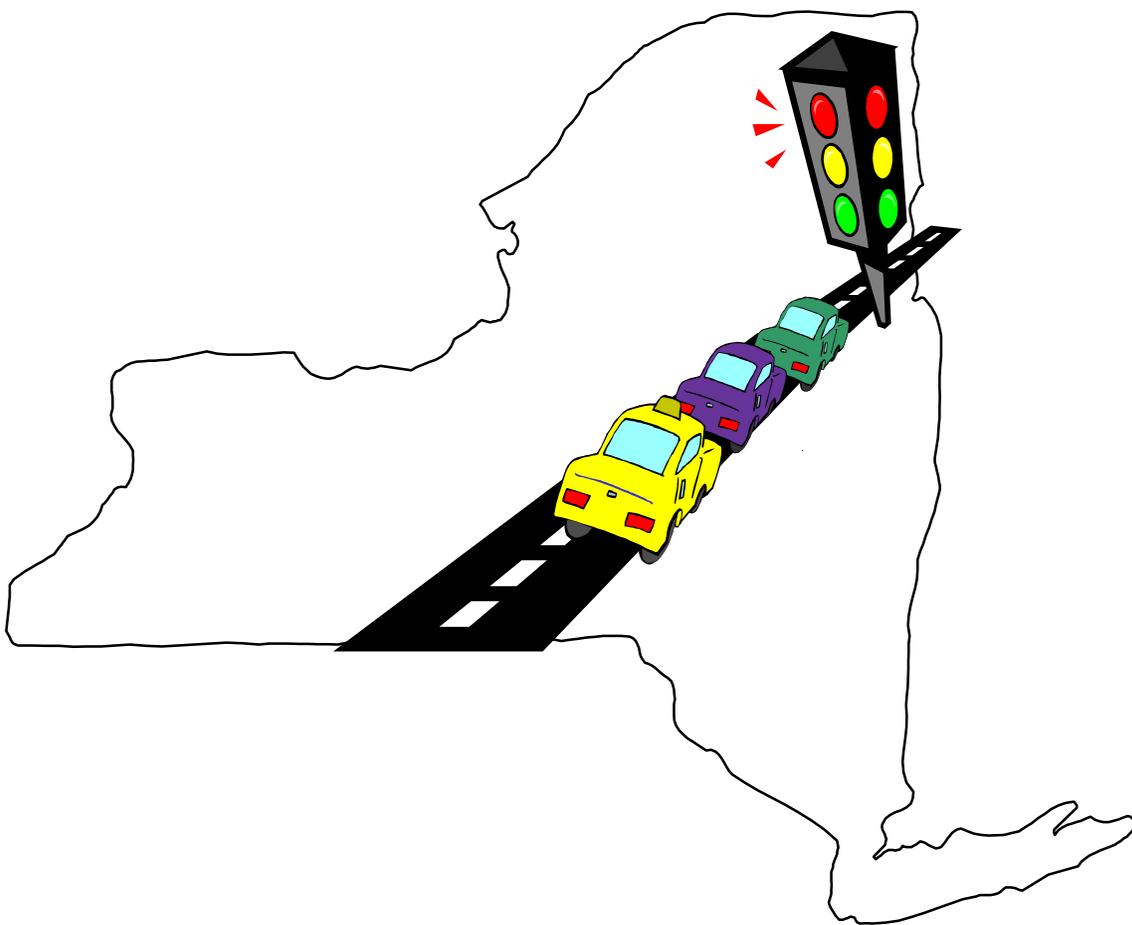


# **CAYUGA COUNTY**

## **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

# CAYUGA COUNTY

## CRASH DATA

	1999	%	2000	%	2001	%	2002	%
<b>TOTAL CRASHES* (events)</b>	<b>1,472</b>		<b>1,717</b>		<b>1,287 *</b>		<b>892 *</b>	
Fatal	10	0.7	10	0.6	5	0.4	5	0.6
Personal Injury	618	42.0	680	39.6	575	44.7	598	67.0
Property Damage*	844	57.3	1,027	59.8	707 *	54.9	289 *	32.4
<b>SELECTED CRASH TYPES (events)</b>								
Pedestrian crashes	35	2.4	27	1.6	25	1.9	25	2.8
Bicycle crashes	22	1.5	22	1.3	22	1.7	11	1.2
Motorcycle crashes	13	0.9	11	0.6	15	1.2	21	2.4
<b>TOTAL FATALITIES (persons)</b>	<b>12</b>		<b>11</b>		<b>5</b>		<b>5</b>	
Drivers	8	66.7	7	63.6	4	80.0	3	60.0
Passengers	3	25.0	4	36.4	0	0.0	2	40.0
Pedestrians	1	8.3	0	0.0	0	0.0	0	0.0
Bicyclists	0	0.0	0	0.0	1	20.0	0	0.0
<b>TOTAL INJURIES** (persons)</b>	<b>862</b>		<b>953</b>		<b>826</b>		<b>770</b>	
Drivers	514	59.6	604	63.4	509	61.6	485	63.0
Passengers	291	33.8	297	31.2	271	32.8	250	32.5
Pedestrians	34	3.9	30	3.1	24	2.9	24	3.1
Bicyclists	22	2.6	20	2.1	21	2.5	11	1.4

\* 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.

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

	1999	2000	2001	2002
<b>CRASH RATES</b>				
Crash Rate per 10,000 Population	180.16	209.48	158.11*	109.44*
Crash Rate per 10,000 Licensed Drivers	274.05	314.49	233.77*	161.88*
<b>FATALITY &amp; INJURY RATES</b>				
Fatality & Injury Rate per 10,000 Population	110.03	119.57	103.32	101.59
Fatality & Injury Rate per 10,000 Licensed Drivers	167.37	179.50	152.76	150.26
<b>MEAN SEVERITY OF INJURY (MSI)</b>	1.453	1.388	1.419	1.430

\* 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.

## CAYUGA COUNTY

### SELECTED CONTRIBUTING FACTORS IN CRASHES\*

	1999	%	2000	%	2001	%	2002	%
<b>Total Crashes</b>	<b>1,337</b>		<b>1,575</b>		<b>1,191</b>		<b>634</b>	
Alcohol involvement	86	6.4	84	5.3	61	5.1	61	9.6
Unsafe speed	177	13.2	256	16.3	167	14.0	145	22.9
Driver inattention/distraction**	209	15.6	212	13.5	165	13.9	81	12.8
Failure to yield right-of-way	201	15.0	233	14.8	185	15.5	101	15.9
Following too closely	89	6.7	97	6.2	75	6.3	47	7.4
Improper passing/lane usage	70	5.2	83	5.3	63	5.3	39	6.2
Traffic control disregarded	53	4.0	61	3.9	62	5.2	31	4.9
Unsafe lane changing	37	2.8	38	2.4	26	2.2	17	2.7

\* 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.

## CAYUGA COUNTY

### REPORTED SAFETY RESTRAINT USE IN CRASHES\*

	1999		2000		2001		2002	
	All Occupants %	K&A Occupants %						
	<b>3,027</b>	<b>81</b>	<b>3,349</b>	<b>70</b>	<b>2,800</b>	<b>61</b>	<b>1,445</b>	<b>70</b>
No restraint used	7.6	44.4	6.7	31.4	4.4	23.0	5.8	31.4
Restraint used	85.2	50.6	90.0	62.9	84.9	70.5	87.8	55.7
Restraint use unspecified	7.2	4.9	3.3	5.7	10.7	6.6	6.4	12.9

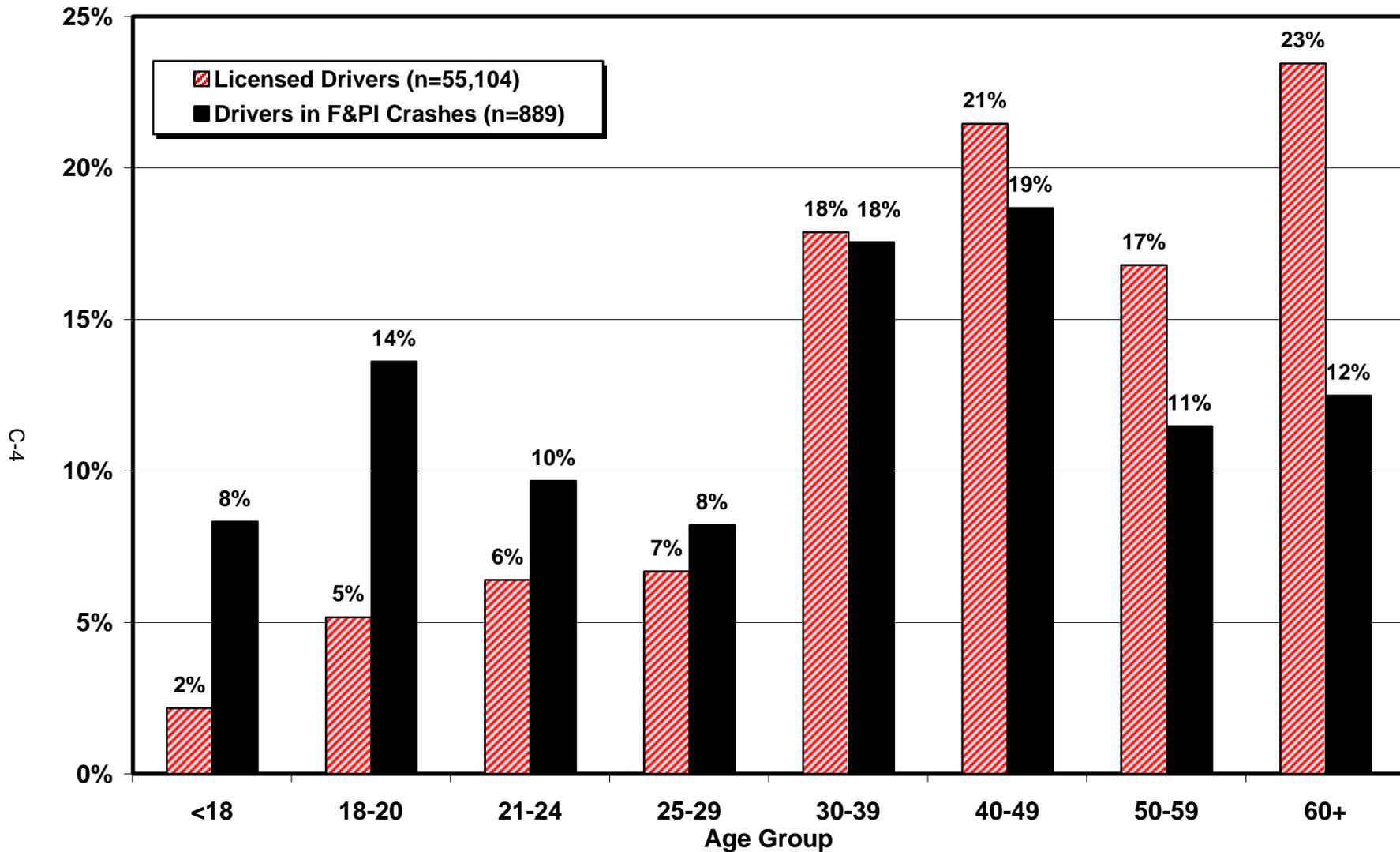
\* Police-reported crashes only.

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.

## Cayuga County 2002

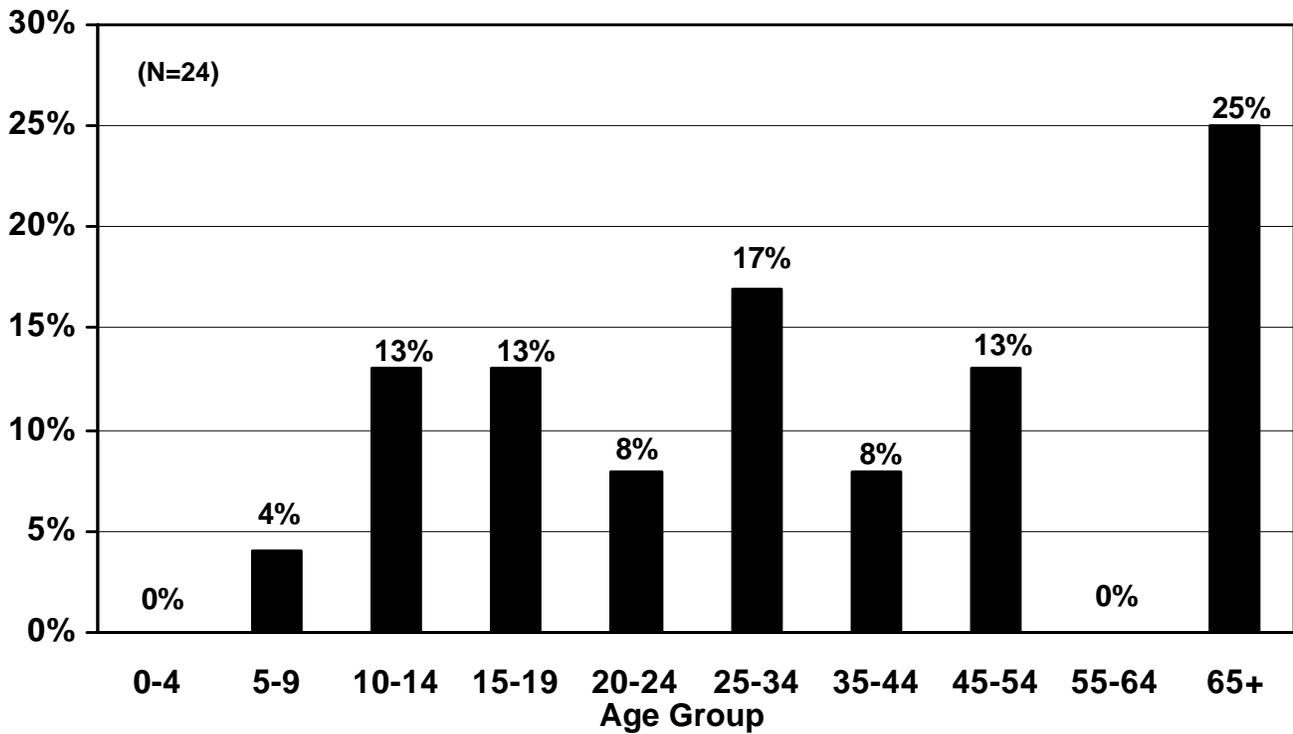
### Licensed Drivers and Drivers Involved in Fatal and Personal Injury Crashes by Age Group



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.

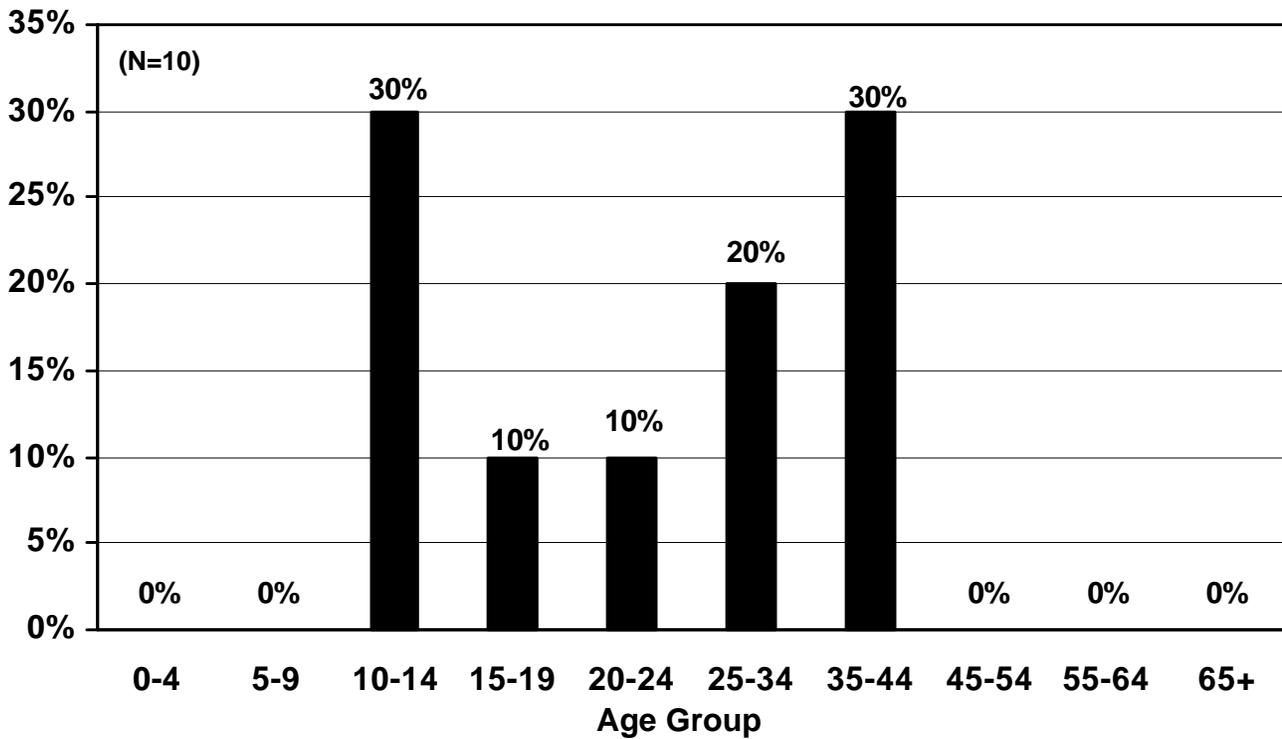
Source: NYSDMV driver's license file and NYSDMV AIS Data Base.

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



Source: NYSDMV AIS Data Base.

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



Source: NYSDMV AIS Data Base.

## CAYUGA COUNTY

### ALCOHOL-RELATED CRASH DATA\*

	1999	2000	2001	2002
<b>TOTAL CRASHES (events)</b>	<b>1,337</b>	<b>1,575</b>	<b>1,191</b>	<b>634</b>
Alcohol-related crashes	91	84	62	62
% of total crashes	6.8	5.3	5.2	9.8
<b>FATAL CRASHES (events)</b>	<b>10</b>	<b>10</b>	<b>5</b>	<b>5</b>
Alcohol-related fatal crashes	3	3	0	2
% of fatal crashes	30.0	30.0	0.0	40.0
<b>PERSONAL INJURY CRASHES (events)</b>	<b>599</b>	<b>667</b>	<b>565</b>	<b>550</b>
Alcohol-related injury crashes	58	55	43	59
% of injury crashes	9.7	8.2	7.6	10.7
<b>TOTAL FATALITIES (persons)</b>	<b>12</b>	<b>11</b>	<b>5</b>	<b>5</b>
Alcohol-related fatalities	5	3	0	2
% of total fatalities	41.7	27.3	0.0	40.0
<b>TOTAL INJURIES (persons)</b>	<b>862</b>	<b>953</b>	<b>826</b>	<b>770</b>
Alcohol-related injuries	90	71	55	78
% of total injuries	10.4	7.5	6.7	10.1

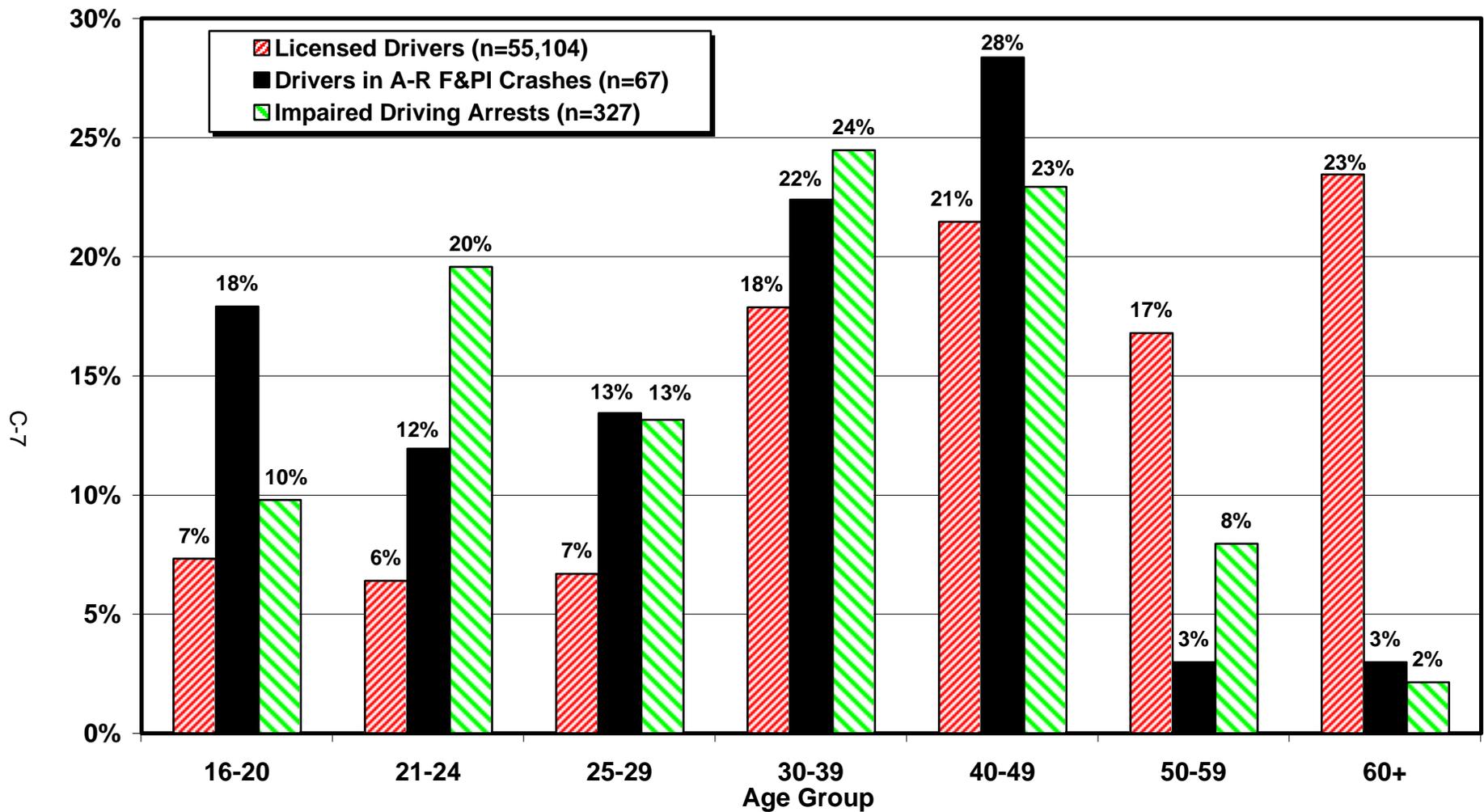
\* Police-reported crashes only.

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.

## Cayuga 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.

## CAYUGA 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>	5,256	5,029	4,385	3,861
% of total tickets	31.6	33.2	30.0	29.1
% convicted on same charge	50.5	50.5	46.2	40.4
<b>SAFETY RESTRAINTS (V&amp;T 1229c)</b>	2,382	1,788	2,318	1,538
% of total tickets	14.3	11.8	15.9	11.6
% convicted on same charge	79.9	82.6	75.6	73.1
<b>IMPAIRED DRIVING (V&amp;T 1192)</b>	457	360	386	440
% of total tickets	2.8	2.4	2.6	3.3
<b>PERSONS ARRESTED*</b>	396	305	327	329
% arrested as result of patrol activity**	79.5	79.3	71.0	74.2
% arrested as result of crash	19.0	19.0	25.4	21.6
% arrested as result of <i>other means</i> ***	1.5	1.6	3.7	4.3
<b>TOTAL TICKETS FOR ALL V&amp;T VIOLATIONS</b>	<b>16,612</b>	<b>15,128</b>	<b>14,609</b>	<b>13,253</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.

## CAYUGA COUNTY

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

	2000	2001	2002	2003
<b>Persons Arrested</b>	<b>(N=396)</b>	<b>(N=305)</b>	<b>(N=327)</b>	<b>(N=329)</b>
Case adjudicated	94.2%	78.7%	92.4%	82.4%
Case pending	5.8%	21.3%	7.6%	17.6%
<b>Disposition of Adjudicated Cases*</b>	<b>(N=373)</b>	<b>(N=240)</b>	<b>(N=302)</b>	<b>(N=271)</b>
<b><i>Convicted on Alcohol Charge</i></b>	<b>94.9%</b>	<b>97.1%</b>	<b>96.4%</b>	<b>98.2%</b>
Convicted on original alcohol charge	46.1%	46.7%	32.8%	26.9%
Convicted on reduced alcohol charge	38.9%	40.4%	39.4%	52.8%
Convicted on other alcohol charge	9.9%	10.0%	24.2%	18.5%
<b><i>Convicted on Non-Alcohol Charge</i></b>	<b>0.5%</b>	<b>0.0%</b>	<b>0.7%</b>	<b>0.0%</b>
<b><i>Dismissed/Acquitted/Convicted on charge associated with different event</i></b>	<b>4.6%</b>	<b>2.9%</b>	<b>2.9%</b>	<b>1.8%</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.

## CAYUGA COUNTY

### DWI/AI Probation Data

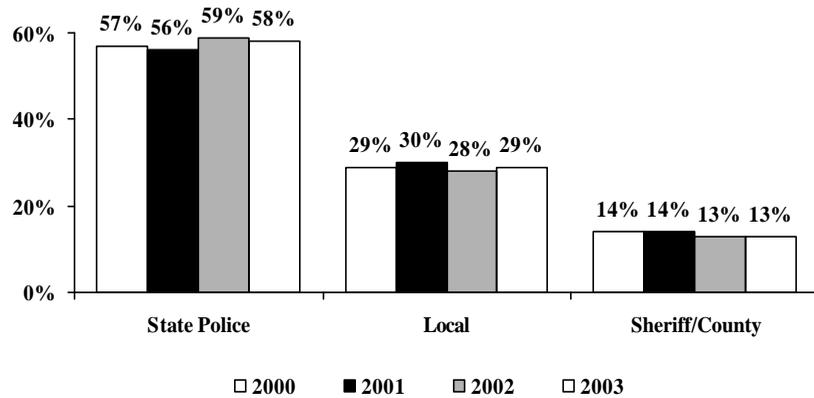
	2000	2001	2002	2003
<b>Number of Persons Sentenced to Probation</b>	56	50	40	58
<b>Number of Persons on Probation*</b>	185	187	185	149

\* 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.

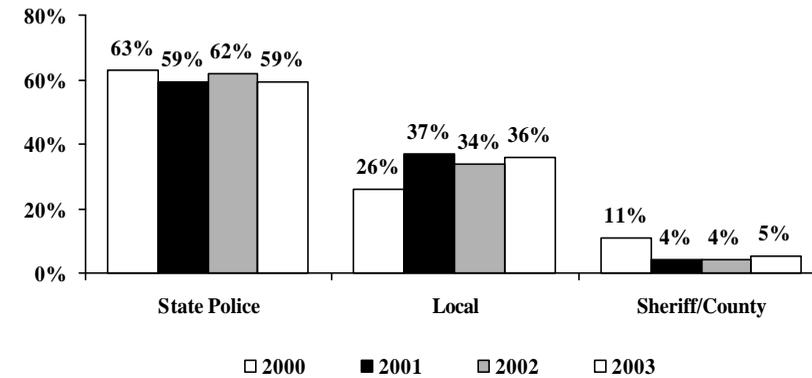
Source: NYS Division of Probation and Correctional Alternatives.

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

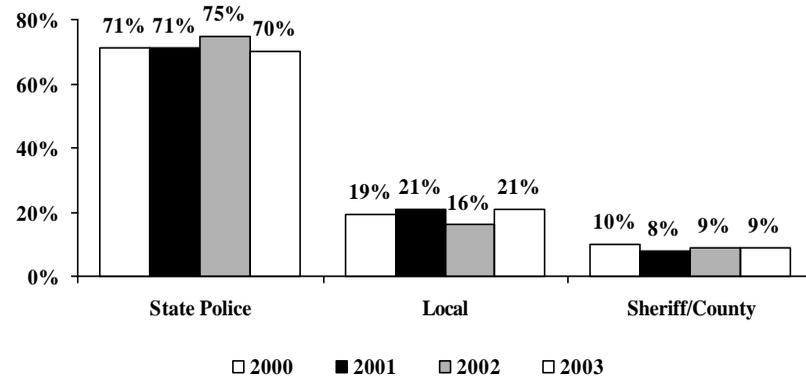
**All Tickets**



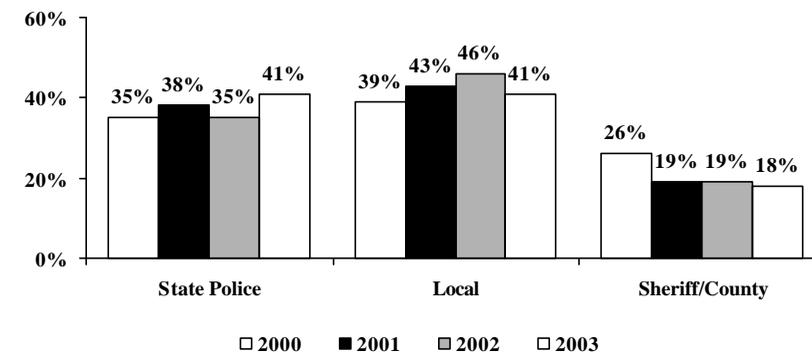
**Seat Belt Tickets**



**Speed Tickets**



**Persons Ticketed for Impaired Driving**



C-10

## CAYUGA 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
Cayuga Sheriff NCIC 00500	alcohol	120	40.0	26.2	97	39.9	26.9	108	39.6	28.0	95	34.4	21.6
	speed	525	34.4	10.0	384	27.0	7.6	392	35.3	8.9	353	30.8	9.1
	seatbelt	249	28.7	10.4	63	8.7	3.5	97	11.1	4.2	72	11.6	4.7
Auburn City Police NCIC 00501	alcohol	160	53.3	34.9	117	48.1	32.4	146	53.5	37.8	163	59.1	37.0
	speed	552	36.2	10.5	509	35.8	10.1	422	38.1	9.6	540	47.2	14.0
	seatbelt	490	56.5	20.5	605	83.6	33.9	671	77.1	28.9	460	74.2	29.9
Weedsport P.D. NCIC 00521	alcohol	3	1.0	0.7	7	2.9	1.9	4	1.5	1.0	4	1.4	0.9
	speed	16	1.0	0.3	43	3.0	0.9	70	6.3	1.6	50	4.4	1.3
	seatbelt	36	4.1	1.5	35	4.8	2.0	9	1.0	0.4	22	3.5	1.4
Port Bryon P.D. NCIC 00522	alcohol	3	1.0	0.7	7	2.9	1.9	3	1.1	0.8	0	0.0	0.0
	speed	333	21.8	6.3	314	22.1	6.2	141	12.7	3.2	116	10.1	3.0
	seatbelt	17	2.0	0.7	18	2.5	1.0	53	6.1	2.3	50	8.1	3.3
Moravia P.D. NCIC 00526	alcohol	14	4.7	3.1	15	6.2	4.2	12	4.4	3.1	14	5.1	3.2
	speed	100	6.6	1.9	173	12.2	3.4	84	7.6	1.9	86	7.5	2.2
	seatbelt	76	8.8	3.2	3	0.4	0.2	40	4.6	1.7	16	2.6	1.0
<b>Totals by Agency Type</b>													
Sheriff and Local	alcohol	300		65.5	243		67.3	273		70.7	276		62.7
	speed	1,526		29.0	1,423		28.3	1,109		25.3	1,145		29.7
	seatbelt	868		36.4	724		40.5	870		37.5	620		40.3
State Police	alcohol	158		34.5	118		32.7	113		29.3	164		37.3
	speed	3,711		70.6	3,592		71.4	3,270		74.6	2,709		70.2
	seatbelt	1,513		63.4	1,057		59.1	1,434		61.9	913		59.4
Other incl. Park Police	alcohol	0		0.0	0		0.0	0		0.0	0		0.0
	speed	20		0.4	13		0.3	6		0.1	7		0.2
	seatbelt	5		0.2	6		0.3	14		0.6	5		0.3
<b>County Totals</b>													
	alcohol	<b>458</b>			<b>361</b>			<b>386</b>			<b>440</b>		
	speed	<b>5,257</b>			<b>5,028</b>			<b>4,385</b>			<b>3,861</b>		
	seatbelt	<b>2,386</b>			<b>1,787</b>			<b>2,318</b>			<b>1,538</b>		

Source: NYS DMV