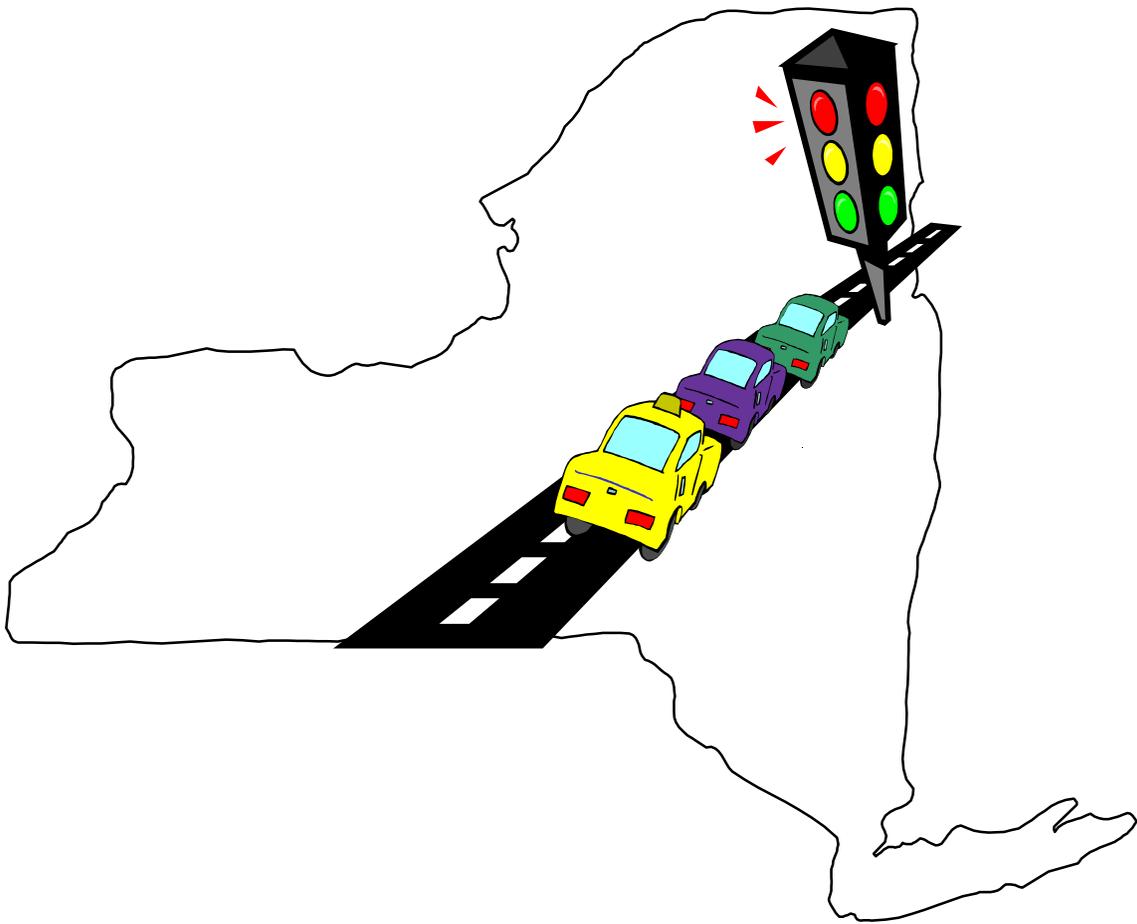


# **CHEMUNG COUNTY**

## **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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Tompkins  
Wyoming

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## CHEMUNG COUNTY

### CRASH DATA

	1999	%	2000	%	2001	%	2002	%
<b>TOTAL CRASHES* (events)</b>	<b>1,552</b>		<b>1,652</b>		<b>1,327 *</b>		<b>908 *</b>	
Fatal	11	0.7	6	0.4	6	0.5	7	0.8
Personal Injury	701	45.2	690	41.8	628	47.3	639	70.4
Property Damage*	840	54.1	956	57.9	693 *	52.2	262 *	28.9
<b>SELECTED CRASH TYPES (events)</b>								
Pedestrian crashes	33	2.1	35	2.1	27	2.0	26	2.9
Bicycle crashes	35	2.3	43	2.6	44	3.3	33	3.6
Motorcycle crashes	22	1.4	21	1.3	19	1.4	24	2.6
<b>TOTAL FATALITIES (persons)</b>	<b>11</b>		<b>7</b>		<b>7</b>		<b>8</b>	
Drivers	5	45.5	6	85.7	5	71.4	4	50.0
Passengers	2	18.2	1	14.3	2	28.6	3	37.5
Pedestrians	3	27.3	0	0.0	0	0.0	1	12.5
Bicyclists	1	9.1	0	0.0	0	0.0	0	0.0
<b>TOTAL INJURIES** (persons)</b>	<b>972</b>		<b>999</b>		<b>840</b>		<b>828</b>	
Drivers	621	63.9	609	61.0	522	62.1	525	63.4
Passengers	288	29.6	307	30.7	248	29.5	245	29.6
Pedestrians	31	3.2	38	3.8	26	3.1	24	2.9
Bicyclists	32	3.3	45	4.5	44	5.2	33	4.0

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 This policy was rescinded in mid 2001; the most direct impact of this change was a large decrease in the number of property damage only crashes; the effect is also reflected in the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

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

	1999	2000	2001	2002
<b>CRASH RATES</b>				
Crash Rate per 10,000 Population	169.18	181.40	146.35*	99.99*
Crash Rate per 10,000 Licensed Drivers	252.96	264.31	211.51*	146.46*
<b>FATALITY &amp; INJURY RATES</b>				
Fatality & Injury Rate per 10,000 Population	109.12	112.77	93.85	99.77
Fatality & Injury Rate per 10,000 Licensed Drivers	163.15	164.31	135.64	146.14
<b>MEAN SEVERITY OF INJURY (MSI)</b>	1.366	1.366	1.421	1.393

\* 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.

## CHEMUNG COUNTY

### SELECTED CONTRIBUTING FACTORS IN CRASHES\*

	1999	%	2000	%	2001	%	2002	%
<b>Total Crashes</b>	<b>1,468</b>		<b>1,544</b>		<b>1,271</b>		<b>675</b>	
Alcohol involvement	58	4.0	71	4.6	48	3.8	32	4.7
Unsafe speed	186	12.7	162	10.5	180	14.2	112	16.6
Driver inattention/distraction**	212	14.4	213	13.8	172	13.5	110	16.3
Failure to yield right-of-way	290	19.8	266	17.2	221	17.4	145	21.5
Following too closely	249	17.0	260	16.8	177	13.9	106	15.7
Improper passing/lane usage	86	5.9	86	5.6	70	5.5	22	3.3
Traffic control disregarded	126	8.6	137	8.9	100	7.9	75	11.1
Unsafe lane changing	49	3.3	43	2.8	56	4.4	29	4.3

\* 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.

## CHEMUNG COUNTY

### REPORTED SAFETY RESTRAINT USE IN CRASHES\*

	1999		2000		2001		2002	
	All Occupants %	K&A Occupants %						
	<b>3,834</b>	<b>57</b>	<b>3,709</b>	<b>74</b>	<b>3,064</b>	<b>58</b>	<b>1,751</b>	<b>82</b>
No restraint used	4.5	15.8	5.7	29.7	4.2	13.8	4.4	17.1
Restraint used	86.4	70.2	91.5	67.6	87.4	82.8	90.9	78.0
Restraint use unspecified	9.2	14.0	2.8	2.7	8.4	3.4	4.7	4.9

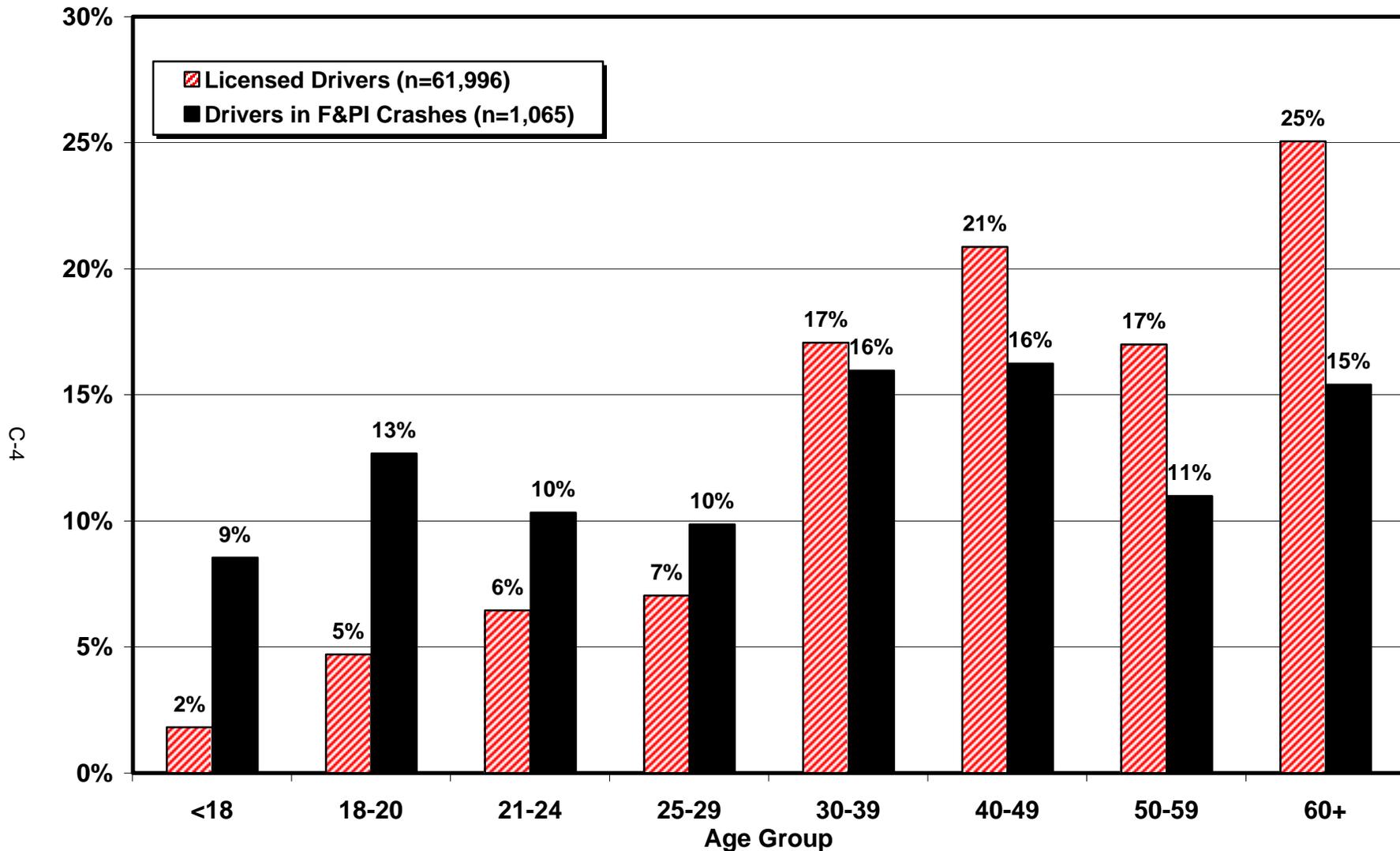
\* Police-reported crashes only.

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.

## Chemung County 2002

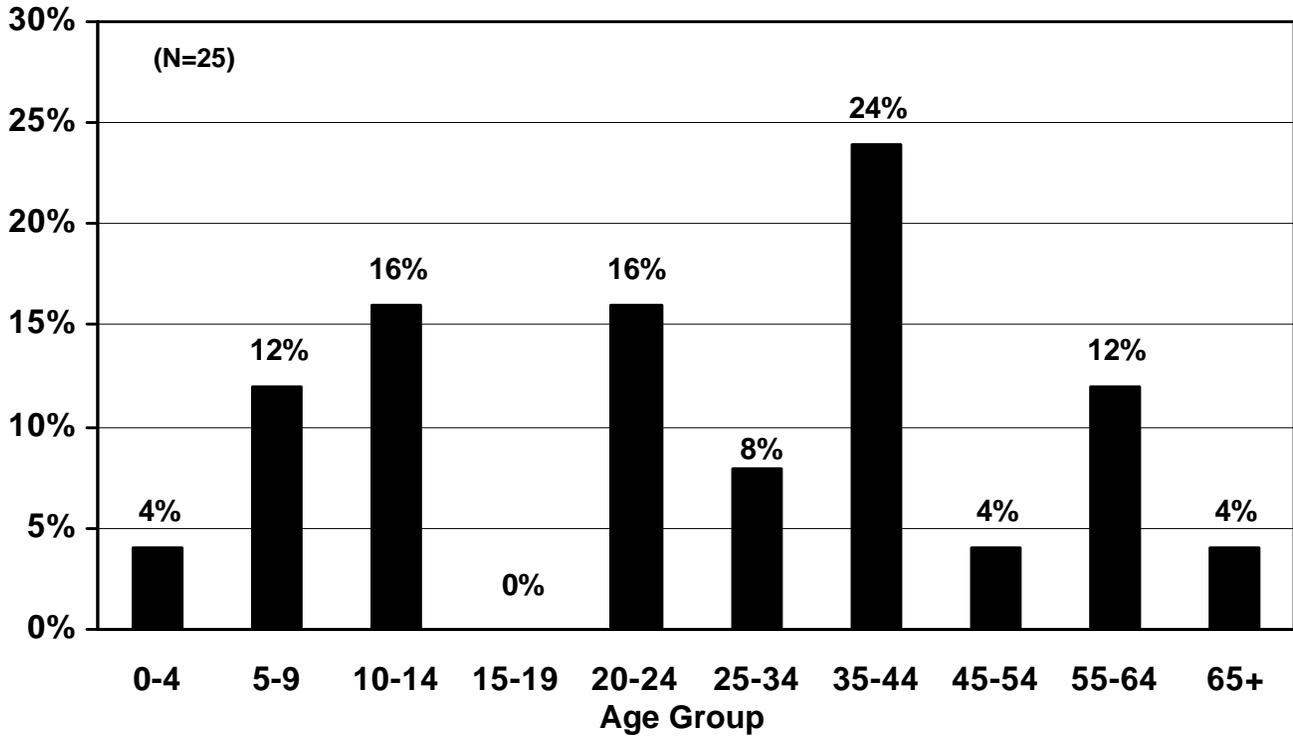
### Licensed Drivers and Drivers Involved in Fatal and Personal Injury Crashes by Age Group



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.

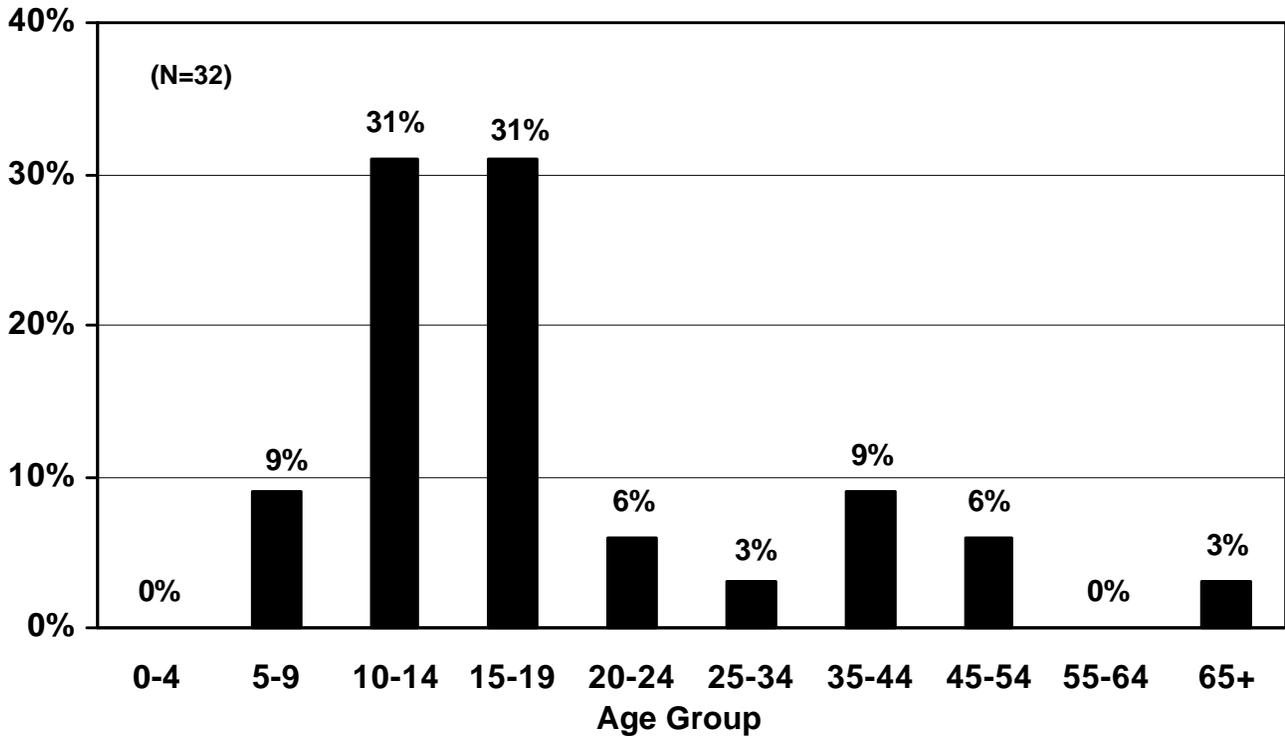
Source: NYSDMV driver's license file and NYSDMV AIS Data Base.

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



Source: NYSDMV AIS Data Base.

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



Source: NYSDMV AIS Data Base.

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

	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>
<b>TOTAL CRASHES (events)</b>	<b>1,468</b>	<b>1,544</b>	<b>1,271</b>	<b>675</b>
Alcohol-related crashes	60	71	51	36
% of total crashes	4.1	4.6	4.0	5.3
<b>FATAL CRASHES (events)</b>	<b>11</b>	<b>6</b>	<b>6</b>	<b>7</b>
Alcohol-related fatal crashes	2	3	1	2
% of fatal crashes	18.2	50.0	16.7	28.6
<b>PERSONAL INJURY CRASHES (events)</b>	<b>685</b>	<b>675</b>	<b>625</b>	<b>588</b>
Alcohol-related injury crashes	35	44	41	34
% of injury crashes	5.1	6.5	6.6	5.8
<b>TOTAL FATALITIES (persons)</b>	<b>11</b>	<b>7</b>	<b>7</b>	<b>8</b>
Alcohol-related fatalities	2	4	1	2
% of total fatalities	18.2	57.1	14.3	25.0
<b>TOTAL INJURIES (persons)</b>	<b>972</b>	<b>999</b>	<b>840</b>	<b>828</b>
Alcohol-related injuries	51	65	55	50
% of total injuries	5.2	6.5	6.5	6.0

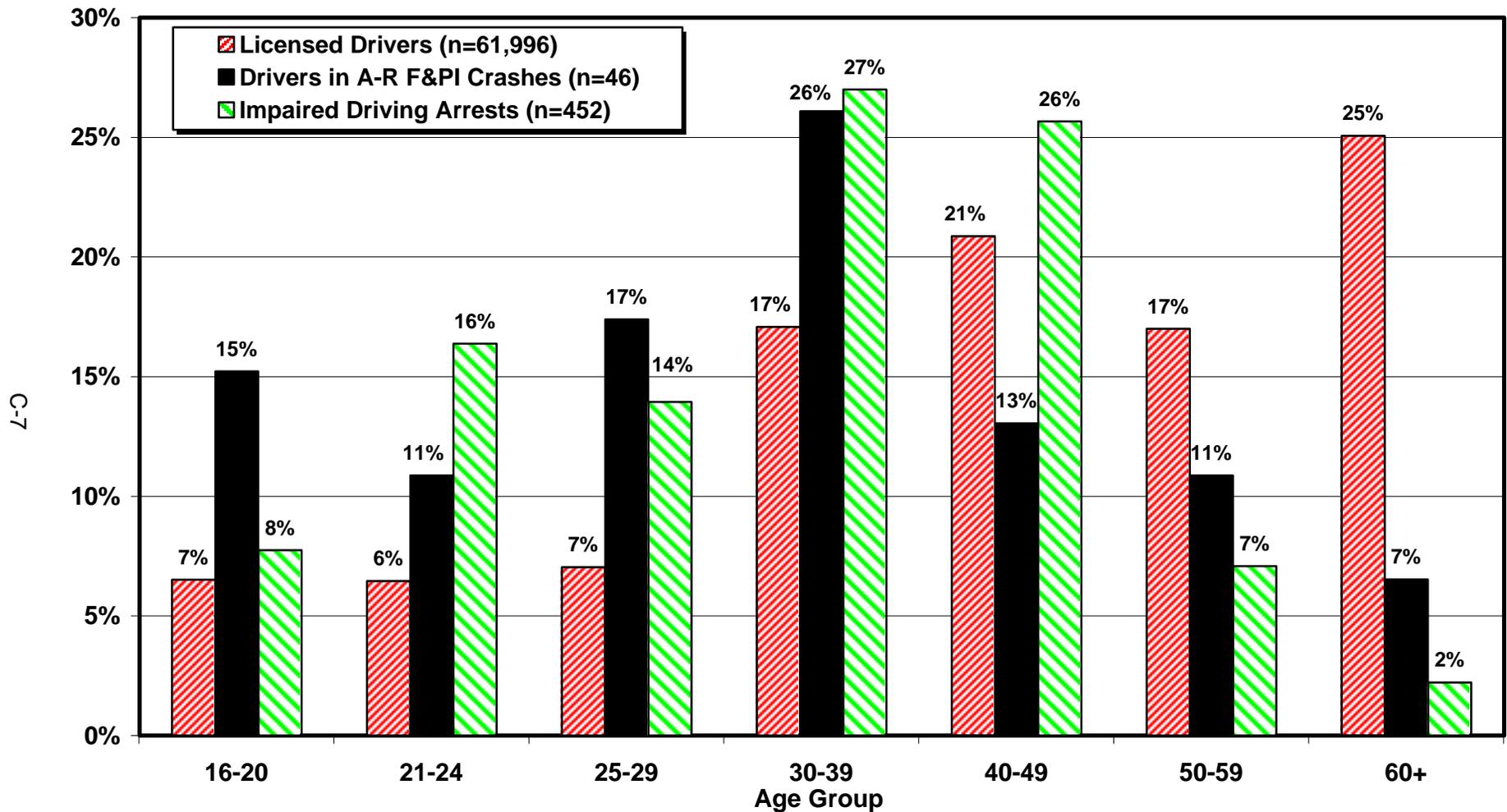
\* Police-reported crashes only.

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.

## Chemung 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.

## CHEMUNG 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>	6,994	4,812	6,792	5,795
% of total tickets	31.6	24.5	29.7	26.2
% convicted on same charge	73.1	71.0	65.4	61.6
<b>SAFETY RESTRAINTS (V&amp;T 1229c)</b>	2,075	1,751	2,217	1,726
% of total tickets	9.4	8.9	9.7	7.8
% convicted on same charge	76.2	79.7	76.8	70.6
<b>IMPAIRED DRIVING (V&amp;T 1192)</b>	669	512	460	506
% of total tickets	3.0	2.6	2.0	2.3
<b>PERSONS ARRESTED*</b>	663	505	452	454
% arrested as result of patrol activity**	85.8	85.5	83.9	84.4
% arrested as result of crash	12.5	13.3	13.9	12.8
% arrested as result of <i>other means</i> ***	1.7	1.2	2.2	2.9
<b>TOTAL TICKETS FOR ALL V&amp;T VIOLATIONS</b>	<b>22,123</b>	<b>19,614</b>	<b>22,884</b>	<b>22,082</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.

## CHEMUNG COUNTY

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

	2000	2001	2002	2003
<b>Persons Arrested</b>	<b>(N=663)</b>	<b>(N=505)</b>	<b>(N=452)</b>	<b>(N=454)</b>
Case adjudicated	95.6%	88.1%	93.4%	84.6%
Case pending	4.4%	11.9%	6.6%	15.4%
<b>Disposition of Adjudicated Cases*</b>	<b>(N=634)</b>	<b>(N=445)</b>	<b>(N=422)</b>	<b>(N=384)</b>
<b><i>Convicted on Alcohol Charge</i></b>	<b>93.2%</b>	<b>92.3%</b>	<b>94.3%</b>	<b>96.3%</b>
Convicted on original alcohol charge	29.0%	18.4%	23.0%	23.4%
Convicted on reduced alcohol charge	33.4%	39.3%	31.5%	37.2%
Convicted on other alcohol charge	30.8%	34.6%	39.8%	35.7%
<b><i>Convicted on Non-Alcohol Charge</i></b>	<b>2.8%</b>	<b>2.0%</b>	<b>3.3%</b>	<b>1.6%</b>
<b><i>Dismissed/Acquitted/Convicted on charge associated with different event</i></b>	<b>4.0%</b>	<b>5.7%</b>	<b>2.4%</b>	<b>2.1%</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.

## CHEMUNG COUNTY

### DWI/AI Probation Data

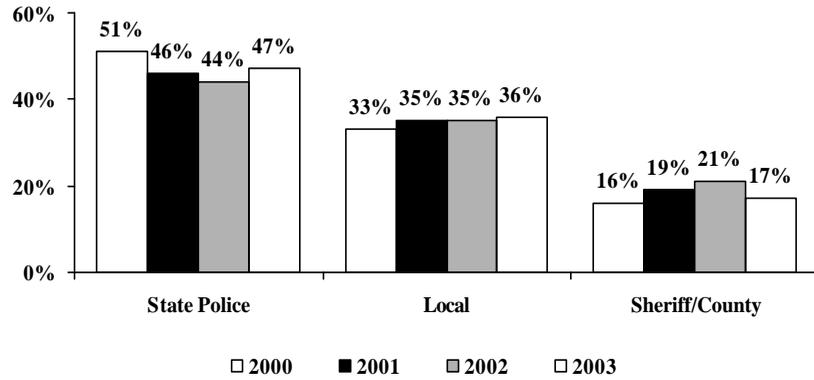
	2000	2001	2002	2003
<b>Number of Persons Sentenced to Probation</b>	81	77	87	66
<b>Number of Persons on Probation*</b>	323	344	306	243

\* 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.

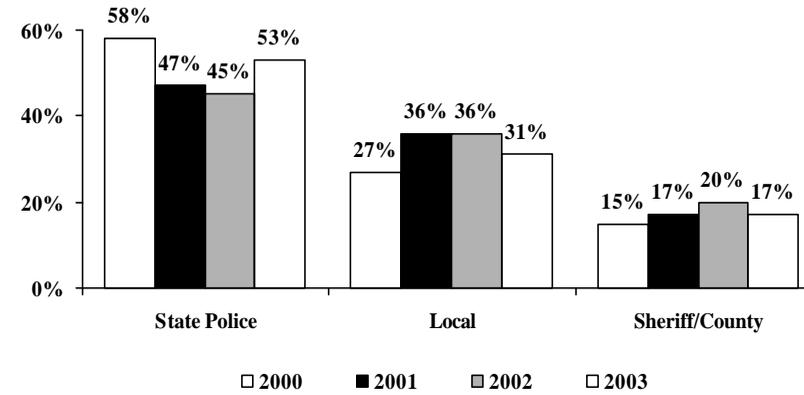
Source: NYS Division of Probation and Correctional Alternatives.

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

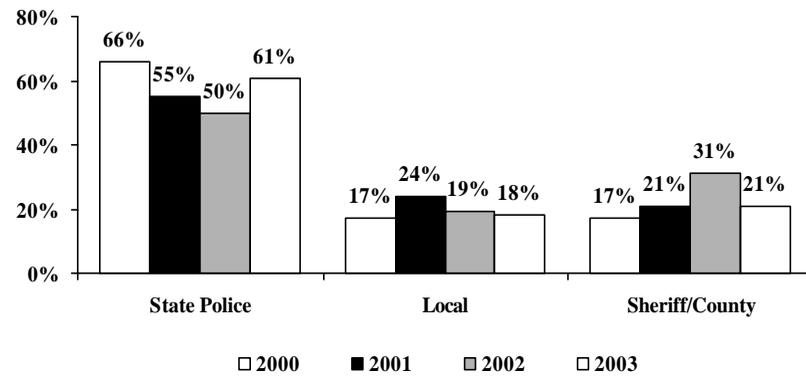
**All Tickets**



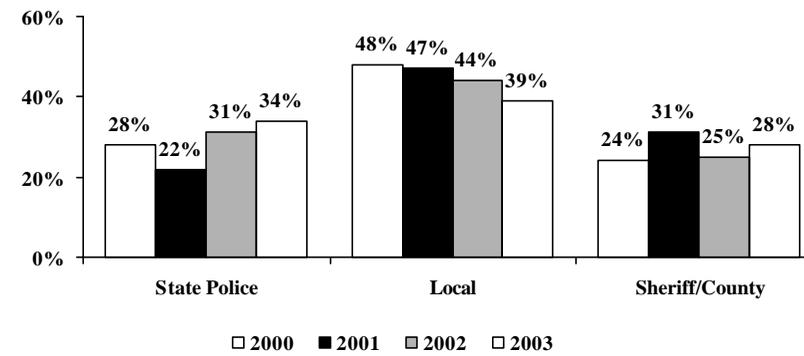
**Seat Belt Tickets**



**Speed Tickets**



**Persons Ticketed for Impaired Driving**



C-10

## CHEMUNG 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
Chemung Sheriff NCIC 00700	alcohol	159	33.3	23.6	159	39.8	31.1	114	36.2	24.9	126	40.5	24.9
	speed	1,211	51.2	17.3	1,022	47.6	21.2	2,116	62.0	31.2	1,198	53.9	20.7
	seatbelt	159	22.0	7.7	293	31.6	16.7	433	35.4	19.5	287	35.1	16.6
Elmira P.D. NCIC 00701	alcohol	168	35.2	25.0	140	35.1	27.3	115	36.5	25.1	99	31.8	19.6
	speed	168	7.1	2.4	323	15.0	6.7	307	9.0	4.5	236	10.6	4.1
	seatbelt	292	40.4	14.1	268	28.9	15.3	528	43.2	23.8	321	39.2	18.6
Elmira Hgts. P.D. NCIC 00721	alcohol	50	10.5	7.4	46	11.5	9.0	29	9.2	6.3	43	13.8	8.5
	speed	62	2.6	0.9	60	2.8	1.2	102	3.0	1.5	114	5.1	2.0
	seatbelt	136	18.8	6.6	139	15.0	7.9	134	11.0	6.0	111	13.6	6.4
Horseheads P.D. NCIC 00722	alcohol	70	14.7	10.4	37	9.3	7.2	36	11.4	7.9	31	10.0	6.1
	speed	707	29.9	10.1	594	27.7	12.3	622	18.2	9.2	471	21.2	8.1
	seatbelt	106	14.7	5.1	209	22.5	11.9	112	9.2	5.1	69	8.4	4.0
Town of Elmira Trf. Dist 1 NCIC 00725	alcohol	21	4.4	3.1	14	3.5	2.7	18	5.7	3.9	8	2.6	1.6
	speed	172	7.3	2.5	131	6.1	2.7	233	6.8	3.4	146	6.6	2.5
	seatbelt	9	1.2	0.4	18	1.9	1.0	14	1.1	0.6	2	0.2	0.1
Southport Town P.D. NCIC 00758	alcohol	9	1.9	1.3	3	0.8	0.6	3	1.0	0.7	4	1.3	0.8
	speed	43	1.8	0.6	18	0.8	0.4	31	0.9	0.5	59	2.7	1.0
	seatbelt	20	2.8	1.0	1	0.1	0.1	1	0.1	<0.1	28	3.4	1.6

## CHEMUNG 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	477		70.9	399		77.9	315		68.8	311		61.5
	speed	2,363		33.7	2,148		44.6	3,411		50.2	2,224		38.4
	seatbelt	722		34.8	928		53.0	1,222		55.1	818		47.4
State Police	alcohol	194		28.8	113		22.1	143		31.2	195		38.5
	speed	4,644		66.3	2,662		55.3	3,377		49.7	3,559		61.4
	seatbelt	1,350		65.1	822		47.0	994		44.9	908		52.6
Other incl. Park Police	alcohol	2		0.3	0		0.0	0		0.0	0		0.0
	speed	0		0.0	1		<0.1	3		<0.1	12		0.2
	seatbelt	3		0.1	0		0.0	0		0.0	0		0.0
<b>County Totals</b>													
	alcohol	673			512			458			506		
	speed	7,007			4,811			6,791			5,795		
	seatbelt	2,075			1,750			2,216			1,726		

Source: NYSDMV