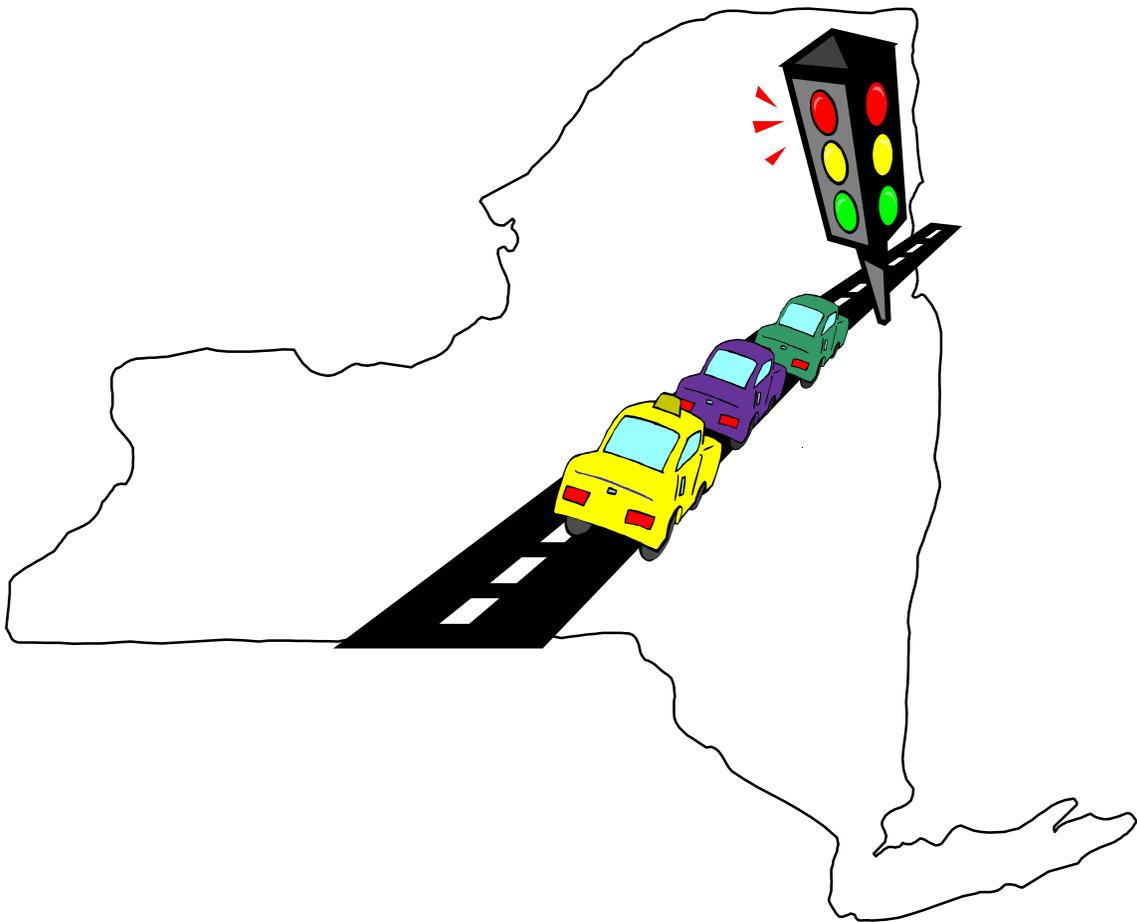


RENSSELAER COUNTY

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 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

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

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

Renee Barchitta

518-473-6786

rbarc@dmv.state.ny.us

Brad Swartz

518-474-9830

bswar@dmv.state.ny.us

Rich Devlin

518-486-4221

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

	Page
Crash Data (Crashes, Fatalities & Injuries): 1998-2001	C-1
Crash and Fatality & Injury Rates: 1998-2001	C-2
Selected Contributing Factors in Crashes: 1998-2001	C-3
Reported Safety Restraint Use in Crashes: 1998-2001	C-3
Licensed Drivers and Drivers Involved in Fatal and Personal Injury Crashes by Age Group: 2001	C-4
Pedestrians Killed or Injured by Age Group: 2001	C-5
Bicyclists Killed or Injured by Age Group: 2001	C-5
Alcohol-Related Crash Data: 1998-2001	C-6
Licensed Drivers, Drivers Involved in Alcohol-Related Fatal and Personal Injury Crashes, and Drivers Arrested for Impaired Driving by Age Group: 2001	C-7
TSLE&D Tickets Issued and Conviction Rates for Selected V&T Violations: 1999-2002	C-8
Adjudication Status of Impaired Driving Cases & Conviction Rates TSLE&D Agencies: 1999-2002.....	C-9
DWI/AI Probation Data: 1999-2002	C-9
V&T Tickets Issued by TSLE&D Agencies by Agency Type: 1999-2002	C-10
TSLE&D Tickets Issued for Selected Violations by Enforcement Agency: 1999-2002	C-11

RENSSELAER COUNTY

CRASH DATA

	1998	%	1999	%	2000	%	2001	%
TOTAL CRASHES* (events)	2,442 *		2,785 *		3,106 *		2,435 *	
Fatal	18	0.7	11	0.4	15	0.5	15	0.6
Personal Injury	1,219	49.9	1,191	42.8	1,249	40.2	1,061	43.6
Property Damage*	1,205 *	49.3	1,583 *	56.8	1,842 *	59.3	1,359 *	55.8
SELECTED CRASH TYPES (events)								
Pedestrian crashes	66	2.7	36	1.3	63	2.0	52	2.1
Bicycle crashes	43	1.8	47	1.7	30	1.0	25	1.0
Motorcycle crashes	35	1.4	33	1.2	51	1.6	56	2.3
TOTAL FATALITIES (persons)	23		13		15		16	
Drivers	9	39.1	6	46.2	8	53.3	13	81.3
Passengers	12	52.2	5	38.5	3	20.0	2	12.5
Pedestrians	2	8.7	1	7.7	2	13.3	1	6.3
Bicyclists	0	0.0	1	7.7	2	13.3	0	0.0
TOTAL INJURIES** (persons)	1,766		1,707		1,729		1,468	
Drivers	1,118	63.3	1,093	64.0	1,152	66.6	980	66.8
Passengers	532	30.1	529	31.0	483	27.9	411	28.0
Pedestrians	69	3.9	39	2.3	61	3.5	50	3.4
Bicyclists	43	2.4	45	2.6	27	1.6	27	1.8

* 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.

RENSSELAER COUNTY
CRASH AND FATALITY & INJURY RATES

	1998	1999	2000	2001
CRASH RATES				
Crash Rate per 10,000 Population	159.93	183.90	203.62	159.59
Crash Rate per 10,000 Licensed Drivers	235.87	269.19	295.10	228.93
FATALITY & INJURY RATES				
Fatality & Injury Rate per 10,000 Population	120.77	117.47	118.46	99.16
Fatality & Injury Rate per 10,000 Licensed Drivers	178.11	171.96	171.68	142.24
MEAN SEVERITY OF INJURY (MSI)	1.385	1.369	1.391	1.388

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

RENSELAER COUNTY

SELECTED CONTRIBUTING FACTORS IN CRASHES*

	1998	%	1999	%	2000	%	2001	%
Total Crashes	2,213		2,523		2,811		2,275	
Alcohol involvement	103	4.7	124	4.9	121	4.3	91	4.0
Unsafe speed	220	9.9	291	11.5	294	10.5	207	9.1
Driver inattention/distraction**	396	17.9	443	17.6	517	18.4	394	17.3
Failure to yield right-of-way	405	18.3	378	15.0	442	15.7	343	15.1
Following too closely	243	11.0	265	10.5	276	9.8	224	9.8
Improper passing/lane usage	109	4.9	101	4.0	140	5.0	115	5.1
Traffic control disregarded	130	5.9	122	4.8	124	4.4	101	4.4
Unsafe lane changing	30	1.4	52	2.1	55	2.0	45	2.0

* 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.

RENSELAER COUNTY

REPORTED SAFETY RESTRAINT USE IN CRASHES*

	1998		1999		2000		2001	
	All Occupants %	K&A Occupants %						
	5,875	126	6,183	126	6,362	136	5,396	107
No restraint used	5.0	26.2	5.1	27.8	3.7	21.3	3.3	20.6
Restraint used	82.6	55.6	86.9	65.9	92.2	72.8	85.8	72.0
Restraint use unspecified	12.3	18.3	8.0	6.3	4.1	5.9	10.9	7.5

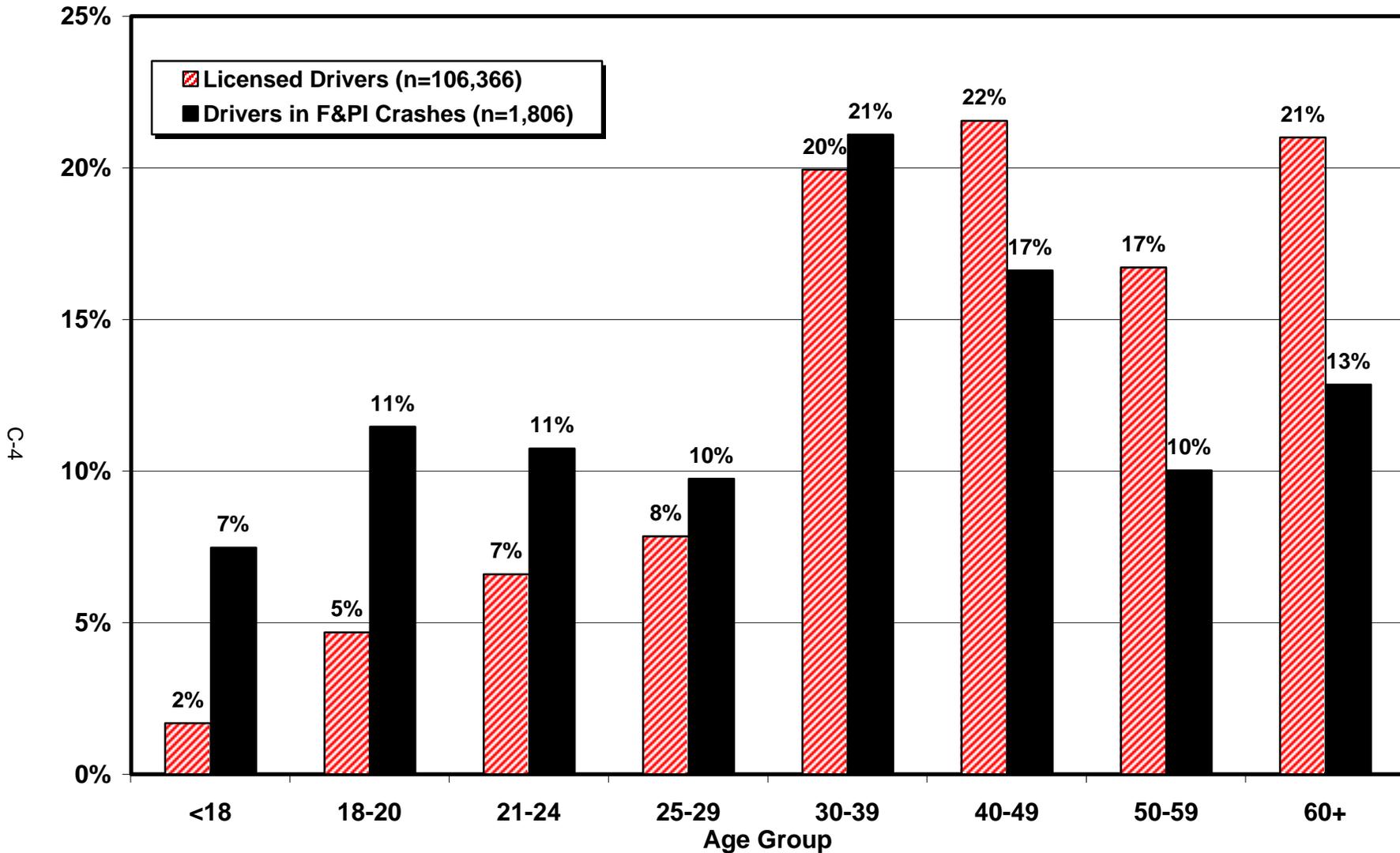
* Police-reported crashes only.

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.

Rensselaer County 2001

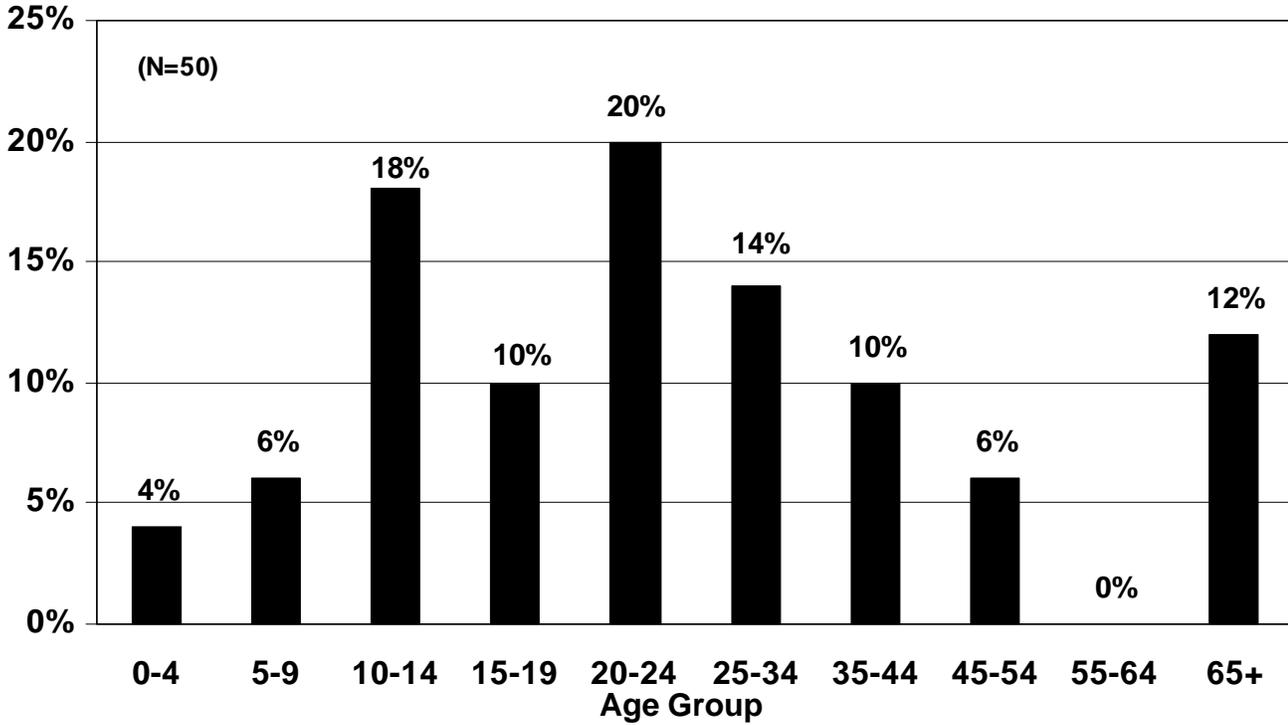
Licensed Drivers and Drivers Involved in Fatal and Personal Injury Crashes by Age Group



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.

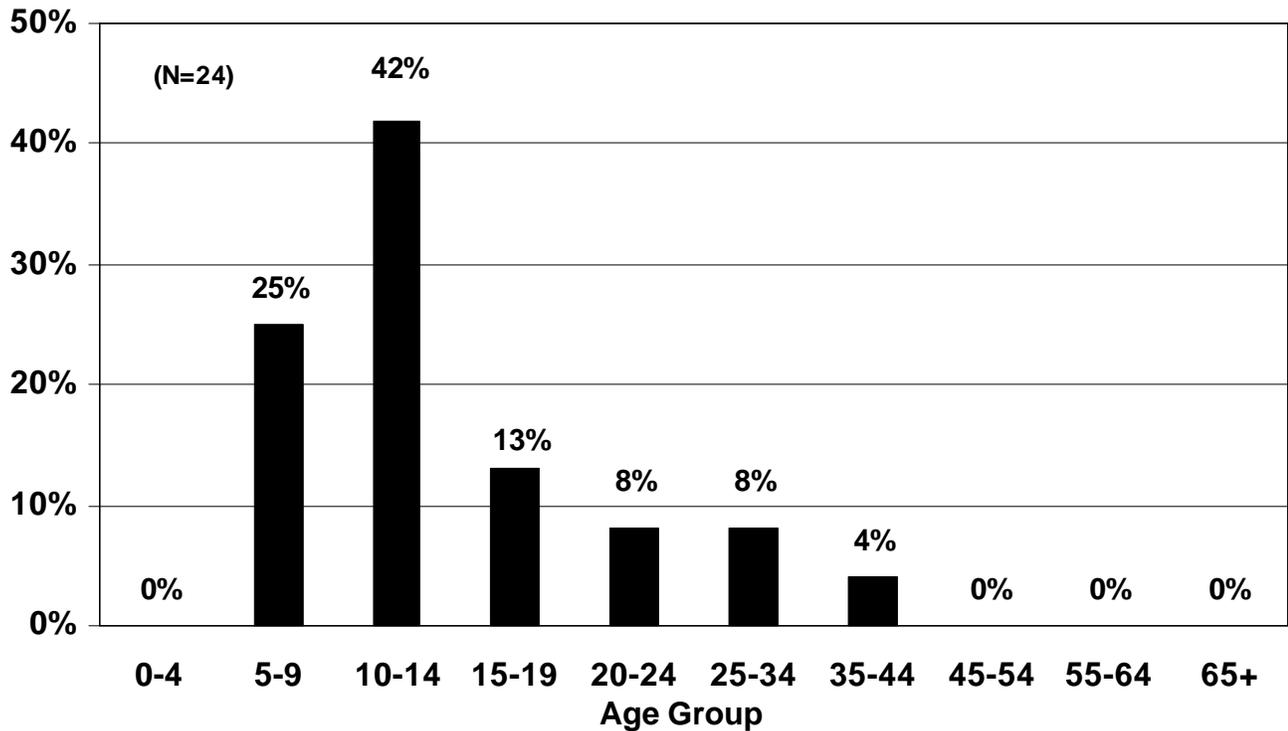
Source: NYSDMV driver's license file and NYSDMV AIS Data Base.

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



Source: NYSDMV AIS Data Base.

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



Source: NYSDMV AIS Data Base.

RENSSELAER COUNTY
ALCOHOL-RELATED CRASH DATA*

	1998	1999	2000	2001
TOTAL CRASHES (events)	2,213	2,523	2,811	2,275
Alcohol-related crashes	106	125	125	95
% of total crashes	4.8	5.0	4.4	4.2
FATAL CRASHES (events)	18	11	15	15
Alcohol-related fatal crashes	4	3	3	3
% of fatal crashes	22.2	27.3	20.0	20.0
PERSONAL INJURY CRASHES (events)	1,178	1,147	1,198	1,034
Alcohol-related injury crashes	73	73	72	60
% of injury crashes	6.2	6.4	6.0	5.8
TOTAL FATALITIES (persons)	23	13	15	16
Alcohol-related fatalities	4	5	3	3
% of total fatalities	17.4	38.5	20.0	18.8
TOTAL INJURIES (persons)	1,766	1,707	1,729	1,468
Alcohol-related injuries	113	108	112	92
% of total injuries	6.4	6.3	6.5	6.3

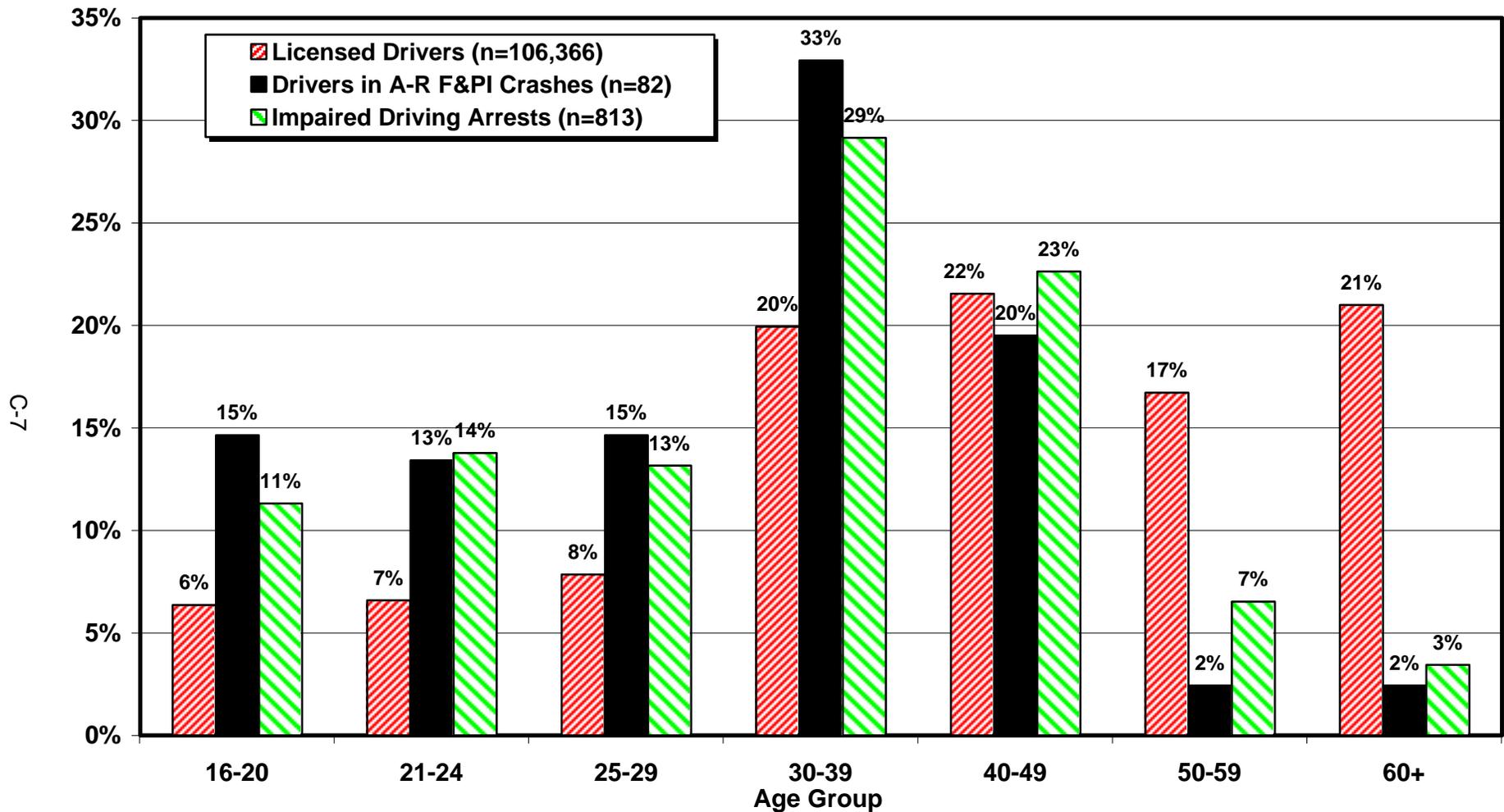
* Police-reported crashes only.

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.

Rensselaer 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.

RENSSELAER COUNTY

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

VIOLATION	1999	2000	2001	2002
SPEED (V&T 1180)	10,978	10,003	10,785	13,148
% of total tickets	33.7	32.0	35.2	34.3
% convicted on same charge	44.2	47.3	38.0	32.5
SAFETY RESTRAINTS (V&T 1229c)	4,817	5,068	4,061	6,710
% of total tickets	14.8	16.2	13.3	17.5
% convicted on same charge	75.2	78.9	72.7	70.1
IMPAIRED DRIVING (V&T 1192)	1,316	1,374	1,284	1,167
% of total tickets	4.0	4.4	4.2	3.0
PERSONS ARRESTED*	912	902	817	784
% arrested as result of patrol activity**	90.6	88.5	89.1	86.0
% arrested as result of crash	8.7	10.0	9.6	12.6
% arrested as result of <i>other means</i> ***	0.7	1.5	1.4	1.4
TOTAL TICKETS FOR ALL V&T VIOLATIONS	32,583	31,282	30,626	38,339

* 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.

RENSELAER COUNTY

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

	1999	2000	2001	2002
Persons Arrested	(N=912)	(N=902)	(N=820)	(N=784)
Case adjudicated	93.8%	91.8%	84.6%	90.9%
Case pending	6.2%	8.2%	15.4%	9.1%
Disposition of Adjudicated Cases*	(N=855)	(N=828)	(N=694)	(N=713)
Convicted on Alcohol Charge	88.6%	89.5%	90.4%	92.8%
Convicted on original alcohol charge	27.6%	30.8%	25.9%	30.6%
Convicted on reduced alcohol charge	51.2%	52.9%	58.0%	53.4%
Convicted on other alcohol charge	9.8%	5.8%	6.5%	8.8%
Convicted on Non-Alcohol Charge	5.1%	5.7%	4.8%	3.5%
Dismissed/Acquitted/Convicted on charge associated with different event	6.3%	4.8%	4.8%	3.7%
* 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.

RENSELAER COUNTY

DWI/AI Probation Data

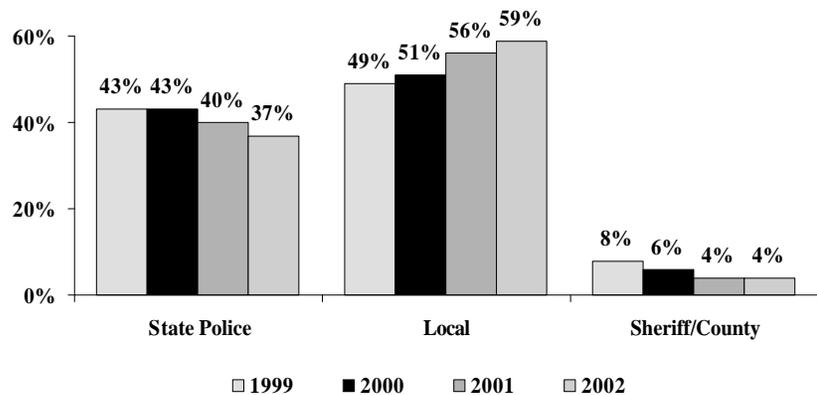
	1999	2000	2001	2002
Number of Persons Sentenced to Probation	84	102	88	97
Number of Persons on Probation*	487	534	555	568

* 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.

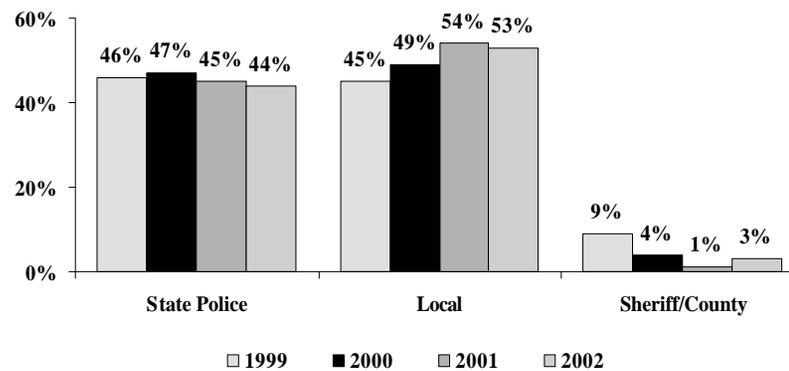
Source: NYS Division of Probation and Correctional Alternatives.

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

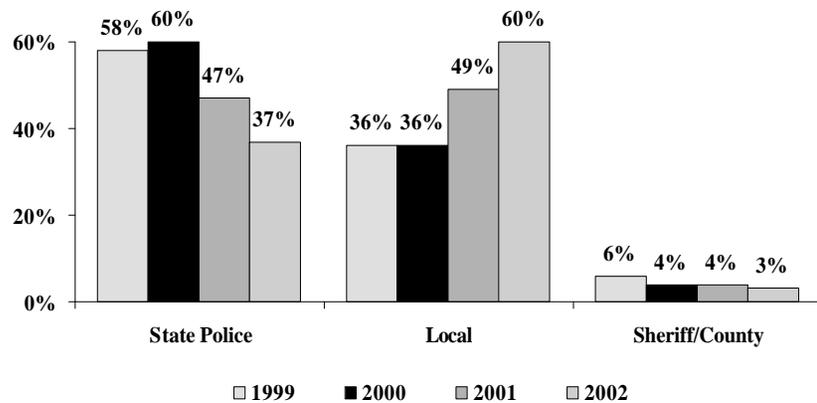
All Tickets



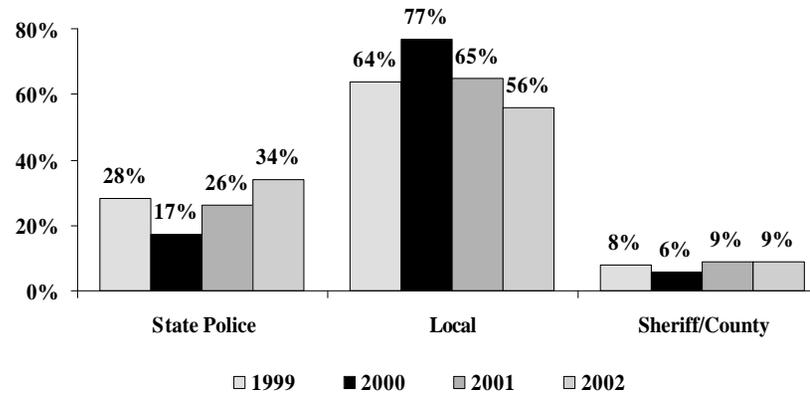
Seat Belt Tickets



Speed Tickets



Persons Ticketed for Impaired Driving



RENSSELAER 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
Rensselaer Sheriff NCIC 04100	alcohol	93	8.8	7.1	81	7.0	5.8	131	12.3	10.2	126	14.1	10.8
	speed	646	14.0	5.9	440	10.6	4.3	462	8.2	4.3	353	4.3	2.7
	seatbelt	429	16.5	8.9	233	8.5	4.6	29	1.3	0.7	230	6.2	3.4
Renss. City P.D. NCIC 04101	alcohol	86	8.1	6.5	75	6.5	5.4	96	9.0	7.5	117	13.1	10.0
	speed	400	8.7	3.6	263	6.3	2.6	324	5.8	3.0	299	3.7	2.3
	seatbelt	580	22.3	12.0	471	17.2	9.2	178	8.0	4.4	231	6.2	3.4
Troy P.D. NCIC 04102	alcohol	432	40.8	32.8	519	45.2	37.4	358	33.6	27.9	292	32.6	25.0
	speed	1,764	38.3	16.1	1,520	36.6	14.9	1,723	30.7	16.0	5,111	62.6	38.9
	seatbelt	1,236	47.5	25.7	1,545	56.3	30.2	1,119	50.0	27.6	2,022	54.2	30.1
Hoosick Falls P.D. NCIC 04120	alcohol	86	8.1	6.5	93	8.1	6.7	74	7.0	5.8	64	7.1	5.5
	speed	70	1.5	0.6	93	2.2	0.9	65	1.2	0.6	147	1.8	1.1
	seatbelt	13	0.5	0.3	59	2.1	1.2	110	4.9	2.7	121	3.2	1.8
Nasau Vill. P.D. NCIC 04121	alcohol	132	12.5	10.0	88	7.7	6.3	53	5.0	4.1	48	5.4	4.1
	speed	363	7.9	3.3	300	7.2	2.9	223	4.0	2.1	247	3.0	1.9
	seatbelt	57	2.2	1.2	66	2.4	1.3	89	4.0	2.2	103	2.8	1.5
E. Greenbush P.D. NCIC 04152	alcohol	60	5.7	4.6	82	7.1	5.9	105	9.9	8.2	92	10.3	7.9
	speed	713	15.5	6.5	711	17.1	7.0	1,259	22.4	11.7	810	9.9	6.2
	seatbelt	168	6.5	3.5	143	5.2	2.8	164	7.3	4.0	238	6.4	3.5
N. Greenbush P.D. NCIC 04153	alcohol	79	7.5	6.0	105	9.1	7.6	171	16.1	13.3	99	11.0	8.5
	speed	220	4.8	2.0	573	13.8	5.6	516	9.2	4.8	591	7.2	4.5
	seatbelt	54	2.1	1.1	124	4.5	2.4	207	9.3	5.1	446	12.0	6.6
Schodack P.D. NCIC 04154	alcohol	90	8.5	6.8	106	9.2	7.6	76	7.1	5.9	58	6.5	5.0
	speed	424	9.2	3.9	258	6.2	2.5	1,041	18.5	9.7	607	7.4	4.6
	seatbelt	66	2.5	1.4	105	3.8	2.1	340	15.2	8.4	337	9.0	5.0

RENSSELAER 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
Totals by Agency Type													
Sheriff and Local	alcohol	1,058		80.4	1,149		82.9	1,064		83.1	896		76.8
	speed	4,600		41.9	4,158		40.8	5,613		52.1	8,165		62.1
	seatbelt	2,603		54.0	2,746		53.7	2,236		55.2	3,728		55.6
State Police	alcohol	258		19.6	237		17.1	215		16.8	269		23.1
	speed	6,381		58.1	6,032		59.2	5,074		47.1	4,890		37.2
	seatbelt	2,215		46.0	2,366		46.3	1,813		44.7	2,955		44.0
Other incl. Park Police	alcohol	0		0.0	0		0.0	2		0.2	2		0.2
	speed	0		0.0	5		<0.1	89		0.8	91		0.7
	seatbelt	0		0.0	1		<0.1	4		0.1	26		0.4
County Totals													
	alcohol	1,316			1,386			1,281			1,167		
	speed	10,981			10,195			10,776			13,146		
	seatbelt	4,818			5,113			4,053			6,709		

Source: NYSDMV