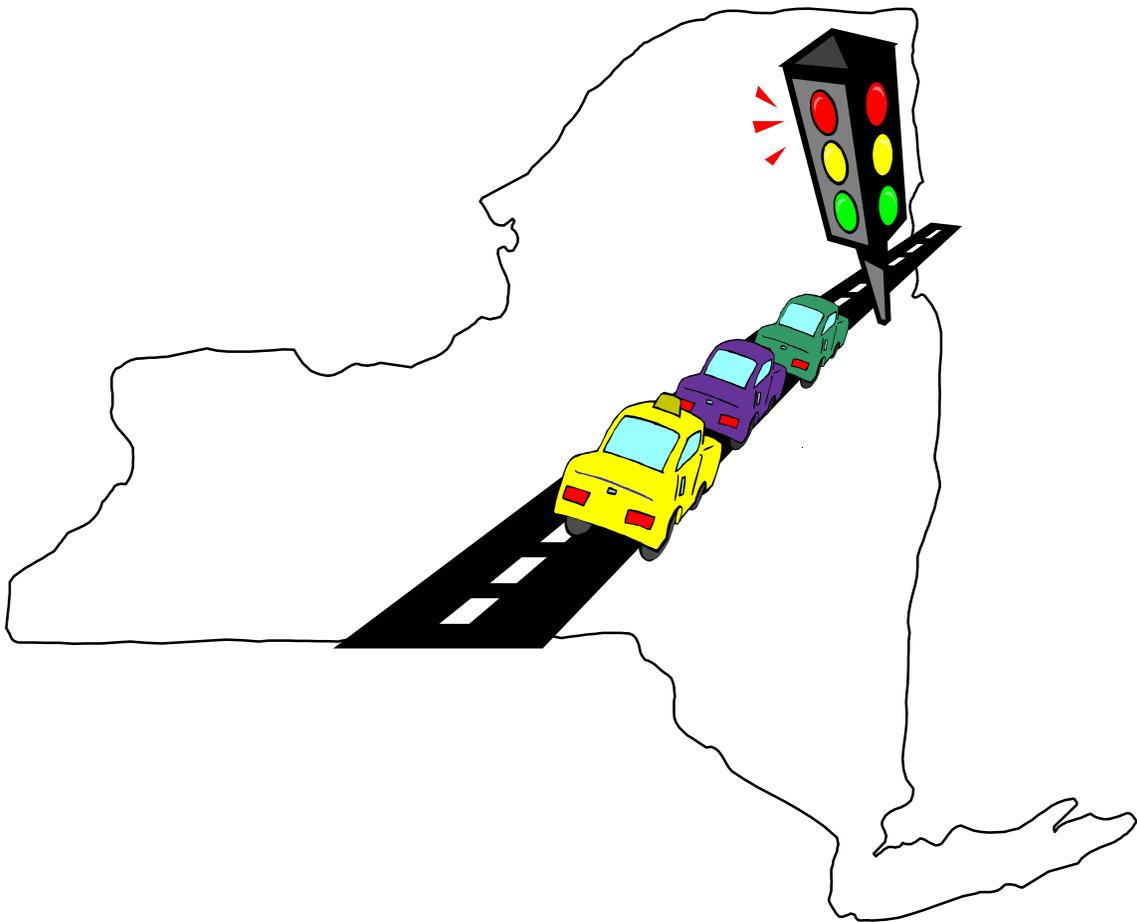


SCHENECTADY COUNTY

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

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): 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

SCHENECTADY COUNTY

CRASH DATA

	1999	%	2000	%	2001	%	2002	%
TOTAL CRASHES* (events)	2,918 *		3,108		2,625 *		1,986 *	
Fatal	7	0.2	13	0.4	11	0.4	7	0.4
Personal Injury	1,165	39.9	1,221	39.3	1,186	45.2	1,334	67.2
Property Damage*	1,746	59.8	1,874	60.3	1,428 *	54.4	645 *	32.5
SELECTED CRASH TYPES (events)								
Pedestrian crashes	64	2.2	63	2.0	73	2.8	69	3.5
Bicycle crashes	76	2.6	72	2.3	65	2.5	69	3.5
Motorcycle crashes	42	1.4	34	1.1	55	2.1	41	2.1
TOTAL FATALITIES (persons)	7		13		11		9	
Drivers	1	14.3	10	76.9	7	63.6	4	44.4
Passengers	4	57.1	0	0.0	2	18.2	3	33.3
Pedestrians	2	28.6	3	23.1	2	18.2	2	22.2
Bicyclists	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL INJURIES** (persons)	1,565		1,603		1,587		1,696	
Drivers	965	61.7	1,057	65.9	996	62.8	1,136	67.0
Passengers	458	29.3	411	25.6	448	28.2	417	24.6
Pedestrians	62	4.0	60	3.7	76	4.8	71	4.2
Bicyclists	78	5.0	73	4.6	64	4.0	67	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.

SCHENECTADY COUNTY

CRASH AND FATALITY & INJURY RATES

	1999	2000	2001	2002
CRASH RATES				
Crash Rate per 10,000 Population	202.82	212.07	179.78*	135.21*
Crash Rate per 10,000 Licensed Drivers	268.62	282.14	235.67*	177.34*
FATALITY & INJURY RATES				
Fatality & Injury Rate per 10,000 Population	111.70	113.27	111.15	122.89
Fatality & Injury Rate per 10,000 Licensed Drivers	147.94	150.69	145.71	161.18
MEAN SEVERITY OF INJURY (MSI)	1.347	1.346	1.332	1.330

* 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.

SCHENECTADY COUNTY
SELECTED CONTRIBUTING FACTORS IN CRASHES*

	1999	%	2000	%	2001	%	2002	%
Total Crashes	2,708		2,882		2,460		1,455	
Alcohol involvement	122	4.5	124	4.3	92	3.7	56	3.8
Unsafe speed	216	8.0	331	11.5	183	7.4	153	10.5
Driver inattention/distraction**	618	22.8	641	22.2	589	23.9	375	25.8
Failure to yield right-of-way	541	20.0	682	23.7	482	19.6	316	21.7
Following too closely	276	10.2	378	13.1	304	12.4	189	13.0
Improper passing/lane usage	137	5.1	139	4.8	81	3.3	52	3.6
Traffic control disregarded	136	5.0	139	4.8	114	4.6	89	6.1
Unsafe lane changing	80	3.0	82	2.8	44	1.8	29	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: 1999-2000 NYSDMV county MV-144A, Table 13(P).
2001-2002 NYSDMV AIS Data Base.

SCHENECTADY COUNTY
REPORTED SAFETY RESTRAINT USE IN CRASHES*

	1999		2000		2001		2002	
	All Occupants	K&A Occupants						
	%	%	%	%	%	%	%	%
	7,109	96	6,851	104	6,082	82	3,739	130
No restraint used	4.8	19.8	4.9	25.0	3.5	20.7	3.9	16.2
Restraint used	79.5	68.8	88.8	67.3	85.5	72.0	91.1	73.1
Restraint use unspecified	15.7	11.5	6.3	7.7	11.0	7.3	5.1	10.8

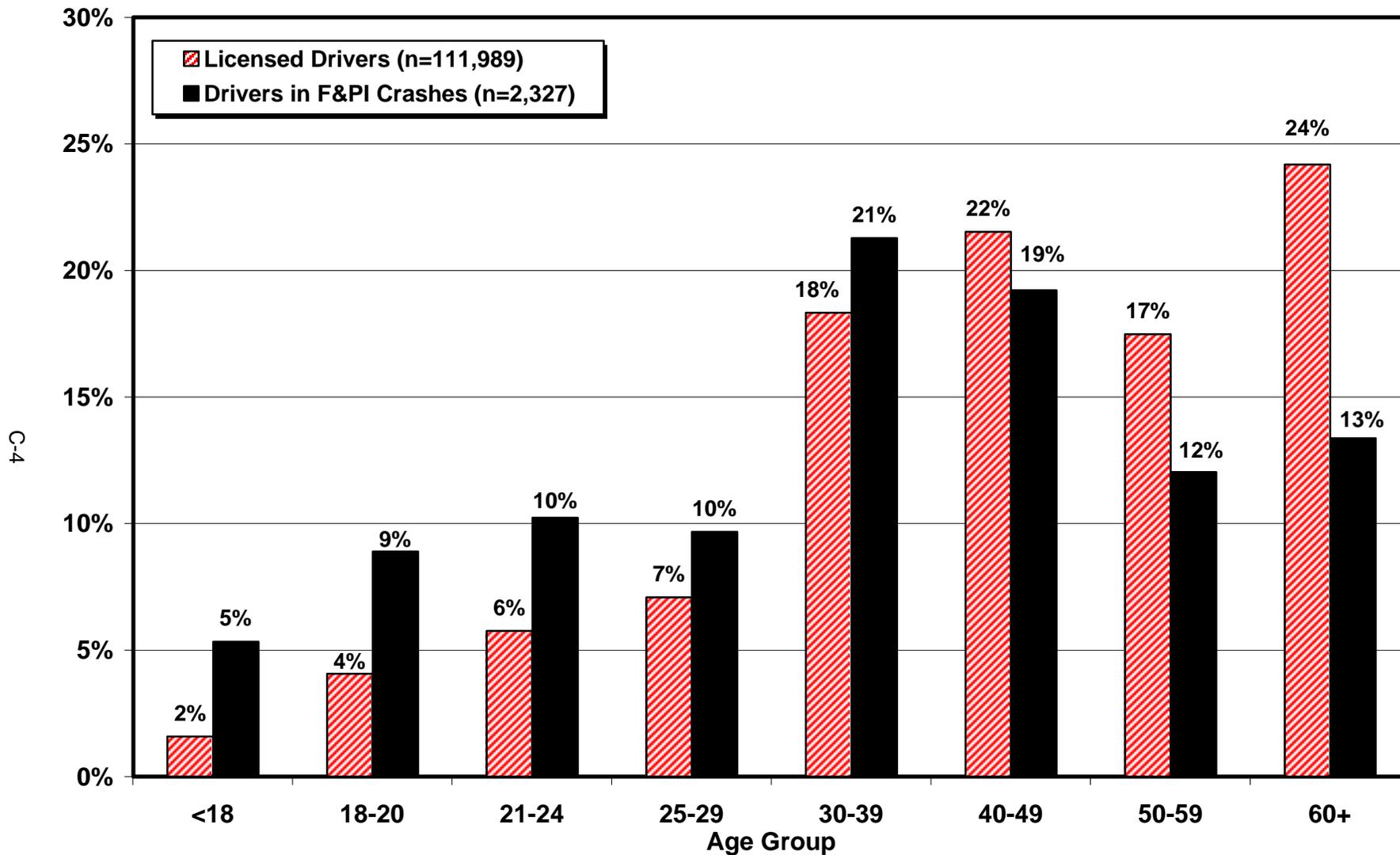
* Police-reported crashes only.

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.

Schenectady County 2002

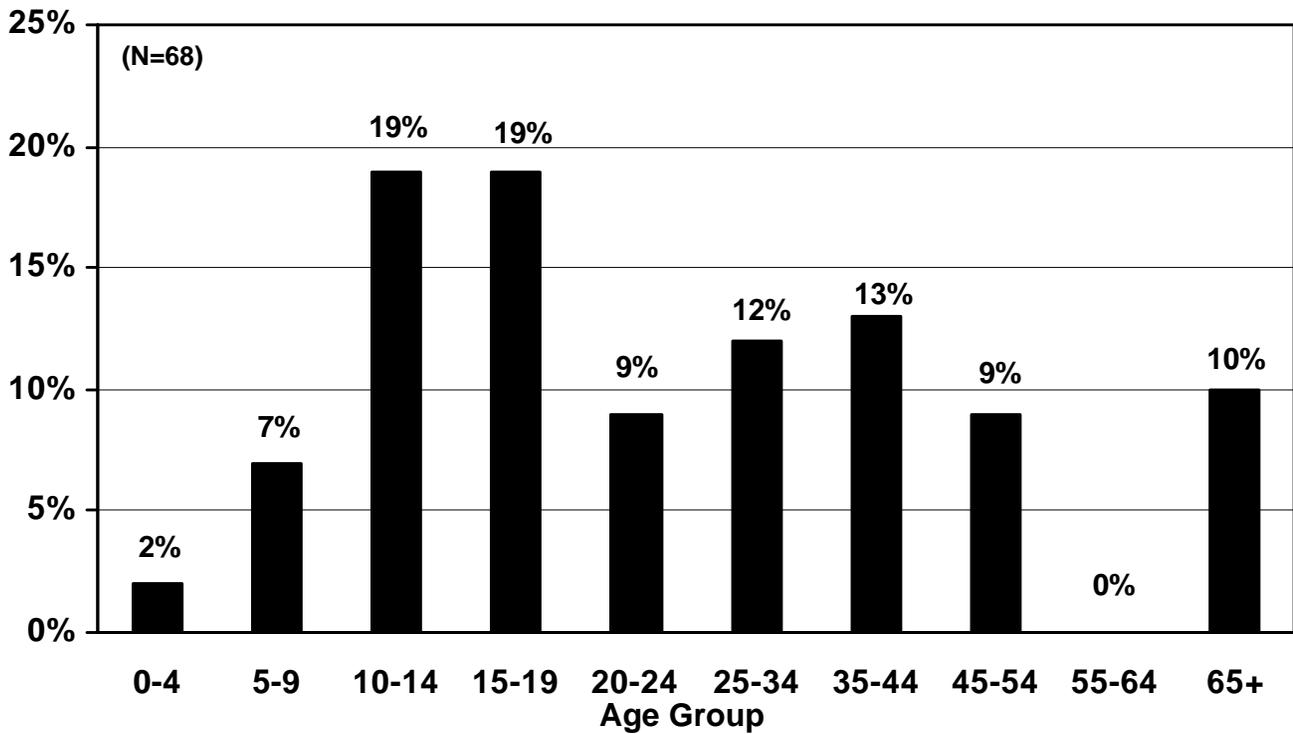
Licensed Drivers and Drivers Involved in Fatal and Personal Injury Crashes by Age Group



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.

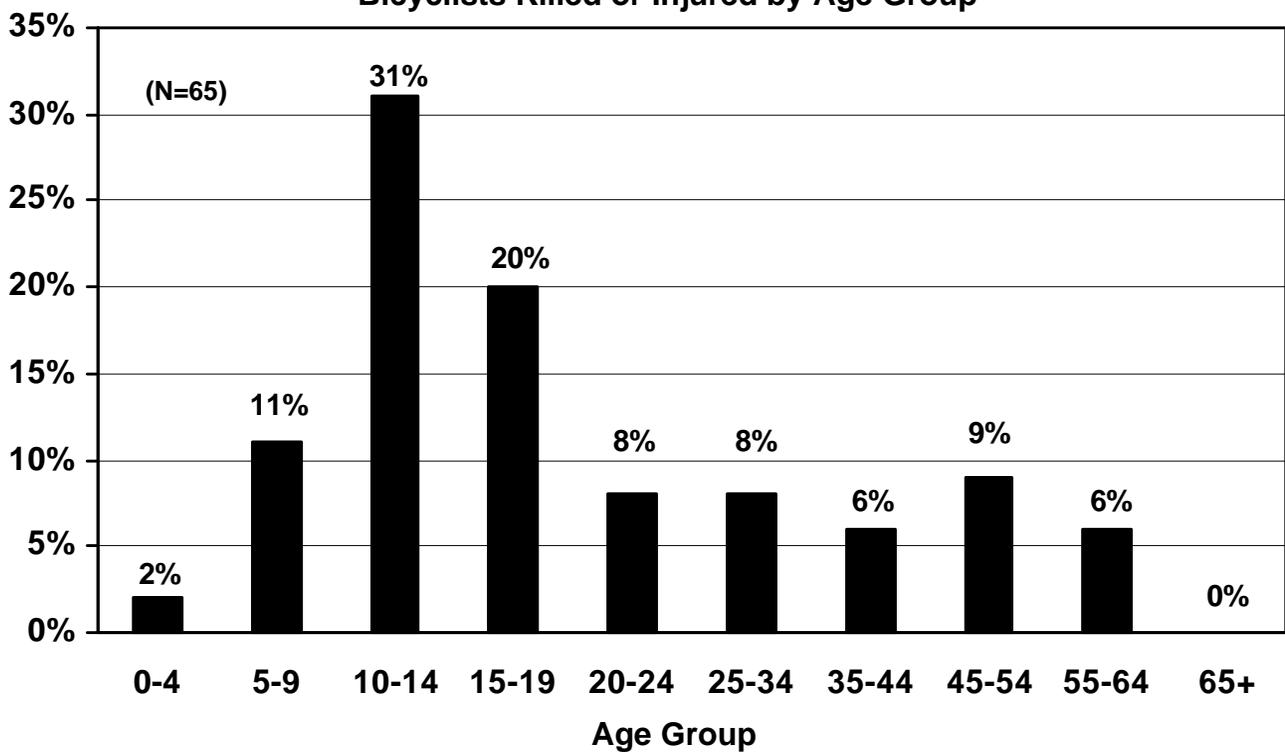
Source: NYSDMV driver's license file and NYSDMV AIS Data Base.

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



Source: NYSDMV AIS Data Base.

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



Source: NYSDMV AIS Data Base.

SCHENECTADY COUNTY

ALCOHOL-RELATED CRASH DATA*

	1999	2000	2001	2002
TOTAL CRASHES (events)	2,708	2,882	2,460	1,455
Alcohol-related crashes	119	119	95	56
% of total crashes	4.4	4.1	3.9	3.8
FATAL CRASHES (events)	7	13	11	7
Alcohol-related fatal crashes	2	4	5	2
% of fatal crashes	28.6	30.8	45.5	28.6
PERSONAL INJURY CRASHES (events)	1,137	1,185	1,165	1,253
Alcohol-related injury crashes	61	64	56	53
% of injury crashes	5.4	5.4	4.8	4.2
TOTAL FATALITIES (persons)	7	13	11	9
Alcohol-related fatalities	2	4	5	2
% of total fatalities	28.6	30.8	45.5	22.2
TOTAL INJURIES (persons)	1,565	1,603	1,587	1,696
Alcohol-related injuries	86	87	77	80
% of total injuries	5.5	5.4	4.9	4.7

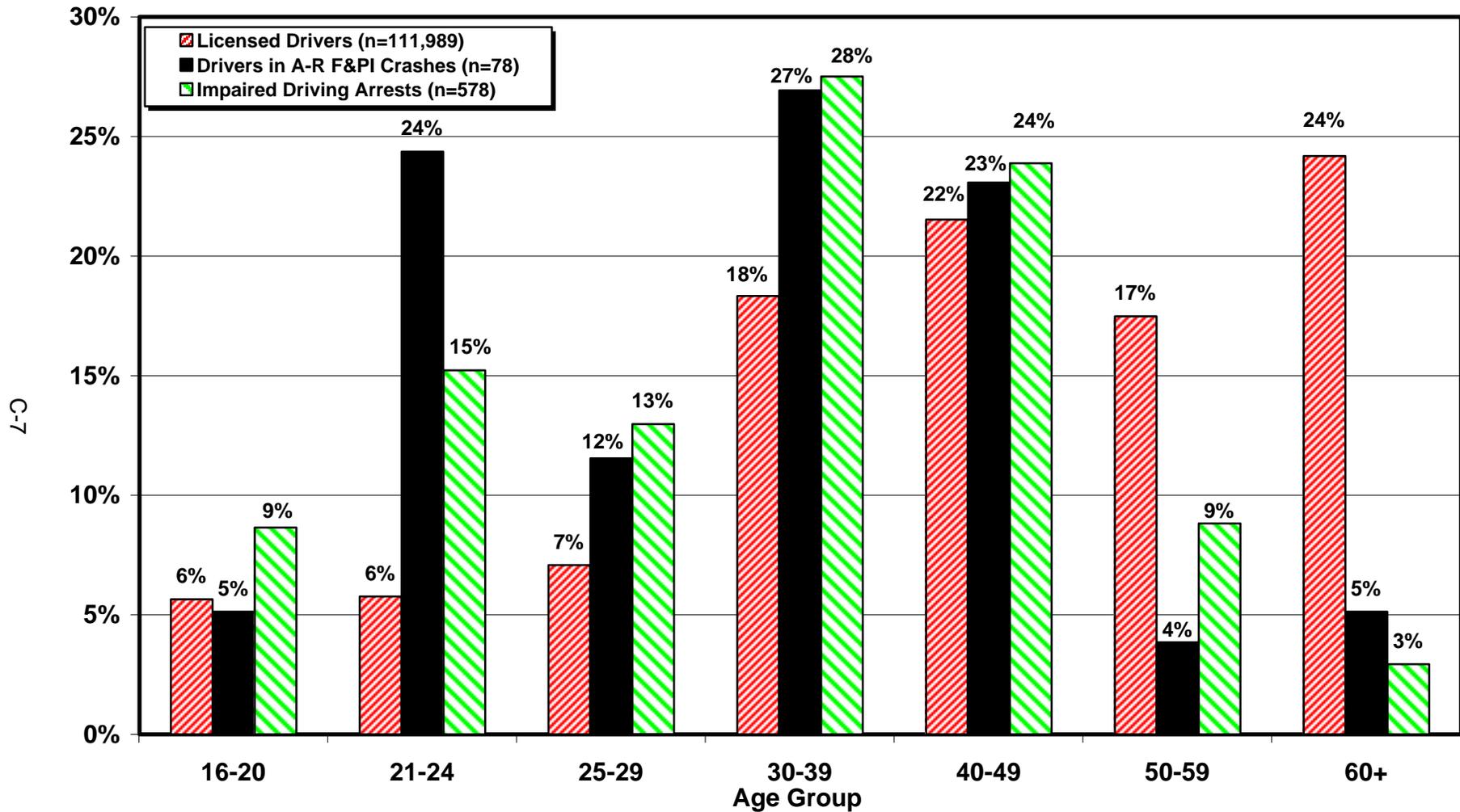
* Police-reported crashes only.

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.

Schenectady 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.

SCHENECTADY COUNTY

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

VIOLATION	2000	2001	2002	2003
SPEED (V&T 1180)	6,885	7,847	8,769	10,484
% of total tickets	29.7	30.8	29.1	31.6
% convicted on same charge	46.8	40.1	35.5	24.0
SAFETY RESTRAINTS (V&T 1229c)	3,346	3,433	4,883	4,433
% of total tickets	14.4	13.5	16.2	13.4
% convicted on same charge	81.6	72.0	68.5	48.0
IMPAIRED DRIVING (V&T 1192)	661	714	873	803
% of total tickets	2.9	2.8	2.9	2.4
PERSONS ARRESTED*	449	467	578	514
% arrested as result of patrol activity**	87.3	89.1	91.2	85.6
% arrested as result of crash	12.5	9.6	8.3	13.2
% arrested as result of <i>other means</i> ***	0.2	1.3	0.5	1.2
TOTAL TICKETS FOR ALL V&T VIOLATIONS	23,159	25,490	30,138	33,133

* 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.

SCHENECTADY COUNTY

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

	2000	2001	2002	2003
Persons Arrested	(N=449)	(N=468)	(N=579)	(N=514)
Case adjudicated	88.6%	85.3%	91.4%	83.3%
Case pending	11.4%	14.7%	8.6%	16.7%
Disposition of Adjudicated Cases*	(N=398)	(N=399)	(N=529)	(N=428)
Convicted on Alcohol Charge	92.7%	90.2%	91.5%	96.9%
Convicted on original alcohol charge	30.4%	25.8%	26.3%	27.3%
Convicted on reduced alcohol charge	55.0%	57.6%	59.0%	63.3%
Convicted on other alcohol charge	7.3%	6.8%	6.2%	6.3%
Convicted on Non-Alcohol Charge	1.5%	1.3%	2.5%	0.0%
Dismissed/Acquitted/Convicted on charge associated with different event	5.8%	8.5%	6.0%	3.1%
* 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.

SCHENECTADY COUNTY

DWI/AI Probation Data

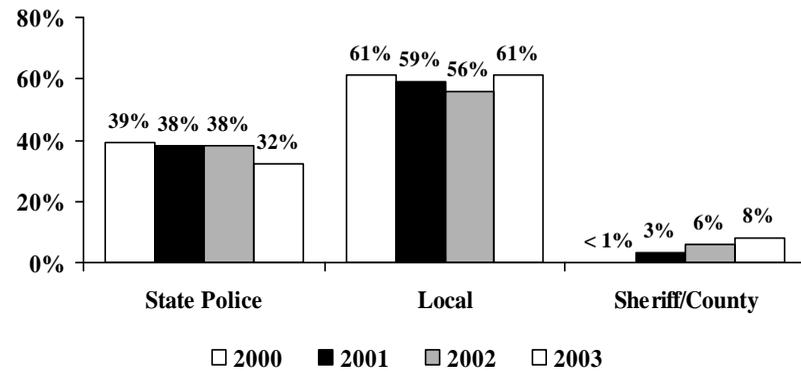
	2000	2001	2002	2003
Number of Persons Sentenced to Probation	59	41	36	90
Number of Persons on Probation*	230	224	219	200

* 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.

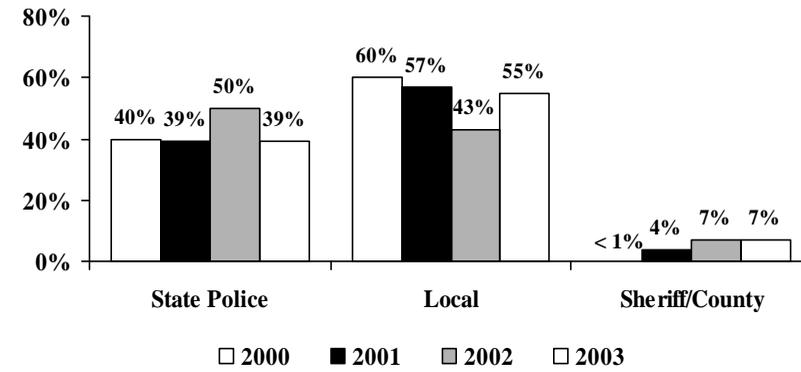
Source: NYS Division of Probation and Correctional Alternatives.

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

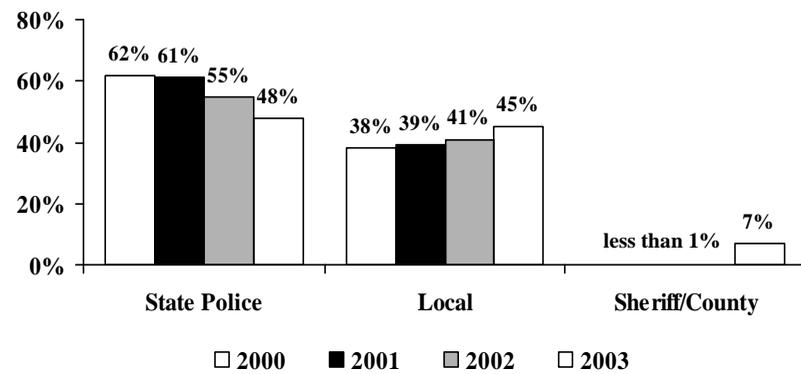
All Tickets



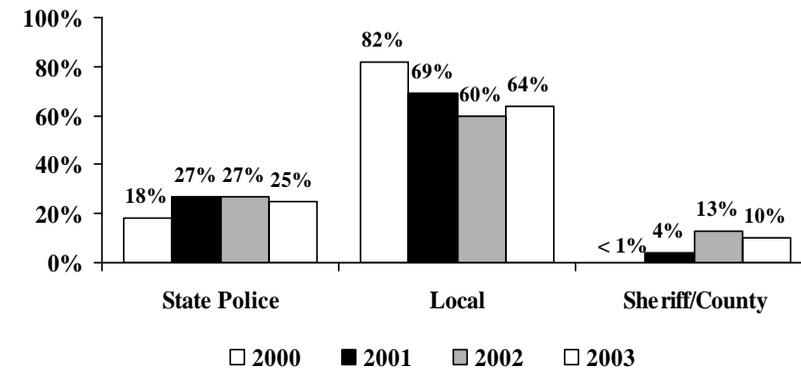
Seat Belt Tickets



Speed Tickets



Persons Ticketed for Impaired Driving



C-10

SCHENECTADY 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
Schenectady Sheriff NCIC 04600	alcohol	0	0.0	0.0	37	6.3	5.2	140	19.6	16.0	100	15.5	12.5
	speed	0	0.0	0.0	32	1.0	0.4	383	9.8	4.4	695	12.9	6.6
	seatbelt	0	0.0	0.0	120	5.8	3.5	338	13.8	6.9	310	11.4	7.0
Schenectady P.D. NCIC 04601	alcohol	221	40.4	33.3	163	27.9	22.8	259	36.3	29.7	253	39.3	31.5
	speed	486	17.6	6.9	394	12.9	5.0	1,049	26.8	12.0	1,948	36.2	18.6
	seatbelt	657	31.3	19.1	299	14.3	8.7	715	29.2	14.6	932	34.3	21.0
Scotia P.D. NCIC 04620	alcohol	42	7.7	6.3	39	6.7	5.5	17	2.4	1.9	28	4.3	3.5
	speed	127	4.6	1.8	145	4.7	1.8	208	5.3	2.4	68	1.3	0.6
	seatbelt	132	6.3	3.8	151	7.2	4.4	110	4.5	2.3	96	3.5	2.2
Glenville P.D. NCIC 04651	alcohol	80	14.6	12.1	154	26.3	21.5	139	19.5	15.9	121	18.8	15.1
	speed	525	19.0	7.5	695	22.7	8.9	701	17.9	8.0	693	12.9	6.6
	seatbelt	596	28.4	17.4	529	25.4	15.4	504	20.6	10.3	468	17.2	10.6
Niskayuna P.D. NCIC 04652	alcohol	69	12.6	10.4	91	15.6	12.7	45	6.3	5.2	62	9.6	7.7
	speed	1,009	36.6	14.4	1,149	37.6	14.6	996	25.4	11.4	1,357	25.2	12.9
	seatbelt	422	20.1	12.3	422	20.2	12.3	431	17.6	8.8	388	14.3	8.8
Rotterdam P.D. NCIC 04654	alcohol	135	24.7	20.4	101	17.3	14.1	114	16.0	13.1	80	12.4	10.0
	speed	610	22.1	8.7	641	21.0	8.2	581	14.8	6.6	618	11.5	5.9
	seatbelt	293	14.0	8.5	565	27.1	16.4	349	14.3	7.1	525	19.3	11.8

SCHENECTADY 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
Totals by Agency Type												
Sheriff and Local	alcohol	547	82.5	585	81.8	714	81.8	644	80.2			
	speed	2,757	39.3	3,056	38.9	3,918	44.7	5,379	51.3			
	seatbelt	2,100	61.2	2,086	60.7	2,447	50.1	2,719	61.3			
State Police	alcohol	116	17.5	129	18.0	159	18.2	159	19.8			
	speed	4,250	60.6	4,786	61.0	4,829	55.1	5,092	48.6			
	seatbelt	1,333	38.8	1,350	39.3	2,436	49.9	1,707	38.5			
Others	alcohol	0	0.0	1	0.1	0	0.0	0	0.0			
	speed	1	<0.1	6	0.1	20	0.2	13	0.1			
	seatbelt	1	<0.1	3	0.1	0	0.0	7	0.2			
County Totals		663		715		873		803				
	alcohol	663		715		873		803				
	speed	7,008		7,848		8,767		10,484				
	seatbelt	3,434		3,439		4,883		4,433				

Source: NYS DMV