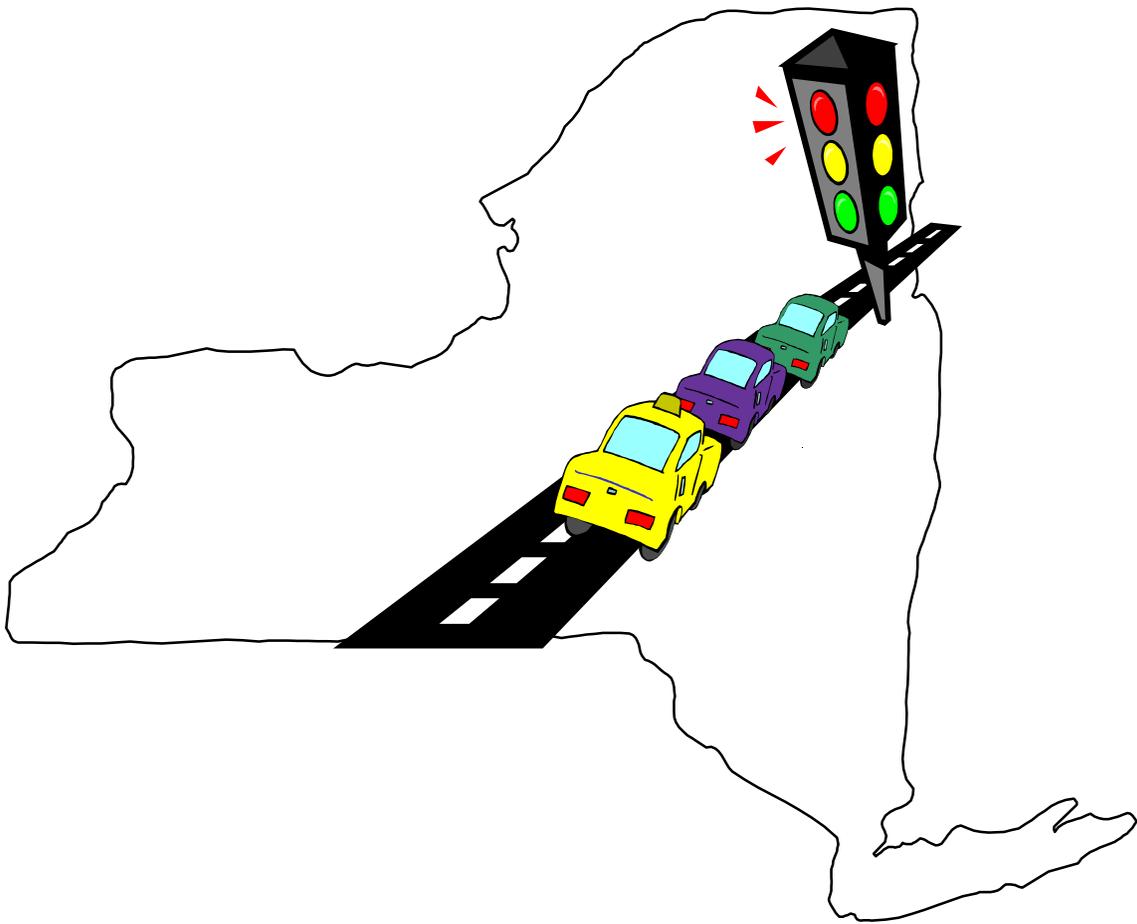


NIAGARA COUNTY

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

NIAGARA COUNTY

CRASH DATA

	1998	%	1999	%	2000	%	2001	%
TOTAL CRASHES* (events)	3,298 *		3,834 *		4,100 *		3,349 *	
Fatal	21	0.6	18	0.5	13	0.3	25	0.7
Personal Injury	1,714	52.0	1,891	49.3	1,894	46.2	1,743	52.0
Property Damage*	1,563 *	47.4	1,925 *	50.2	2,193 *	53.5	1,581 *	47.2
SELECTED CRASH TYPES (events)								
Pedestrian crashes	96	2.9	120	3.1	92	2.2	88	2.6
Bicycle crashes	106	3.2	94	2.5	90	2.2	73	2.2
Motorcycle crashes	52	1.6	46	1.2	42	1.0	53	1.6
TOTAL FATALITIES (persons)	21		20		13		27	
Drivers	11	52.4	12	60.0	10	76.9	16	59.3
Passengers	6	28.6	3	15.0	1	7.7	7	25.9
Pedestrians	4	19.0	3	15.0	2	15.4	4	14.8
Bicyclists	0	0.0	2	10.0	0	0.0	0	0.0
TOTAL INJURIES** (persons)	2,491		2,734		2,641		2,444	
Drivers	1,523	61.1	1,698	62.1	1,676	63.5	1,595	65.3
Passengers	760	30.5	823	30.1	782	29.6	691	28.3
Pedestrians	101	4.1	117	4.3	91	3.4	84	3.4
Bicyclists	104	4.2	91	3.3	87	3.3	71	2.9

* 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.

NIAGARA COUNTY
CRASH AND FATALITY & INJURY RATES

	1998	1999	2000	2001
CRASH RATES				
Crash Rate per 10,000 Population	151.24	177.37	186.49	153.27
Crash Rate per 10,000 Licensed Drivers	213.10	248.22	262.03	212.78
FATALITY & INJURY RATES				
Fatality & Injury Rate per 10,000 Population	119.96	130.83	126.63	115.83
Fatality & Injury Rate per 10,000 Licensed Drivers	169.03	183.09	177.92	160.81
MEAN SEVERITY OF INJURY (MSI)	1.391	1.379	1.330	1.350

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

NIAGARA COUNTY

SELECTED CONTRIBUTING FACTORS IN CRASHES*

	1998	%	1999	%	2000	%	2001	%
Total Crashes	2,948		3,491		3,634		3,094	
Alcohol involvement	146	5.0	173	5.0	179	4.9	134	4.3
Unsafe speed	195	6.6	246	7.0	309	8.5	222	7.2
Driver inattention/distraction**	684	23.2	798	22.9	803	22.1	642	20.7
Failure to yield right-of-way	609	20.7	718	20.6	686	18.9	583	18.8
Following too closely	345	11.7	394	11.3	453	12.5	350	11.3
Improper passing/lane usage	154	5.2	175	5.0	184	5.1	130	4.2
Traffic control disregarded	219	7.4	184	5.3	206	5.7	173	5.6
Unsafe lane changing	71	2.4	100	2.9	113	3.1	82	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: 1998-2000 NYSDMV county MV-144A, Table 13(P).
2001 NYSDMV AIS Data Base.

NIAGARA COUNTY

REPORTED SAFETY RESTRAINT USE IN CRASHES*

	1998		1999		2000		2001	
	All Occupants %	K&A Occupants %						
	7,800	181	9,285	198	8,912	170	7,729	178
No restraint used	6.8	30.9	5.3	24.7	5.6	23.5	4.3	25.3
Restraint used	81.1	55.8	83.5	69.2	88.9	64.7	83.0	67.4
Restraint use unspecified	12.2	13.3	11.2	6.1	5.6	11.8	12.7	7.3

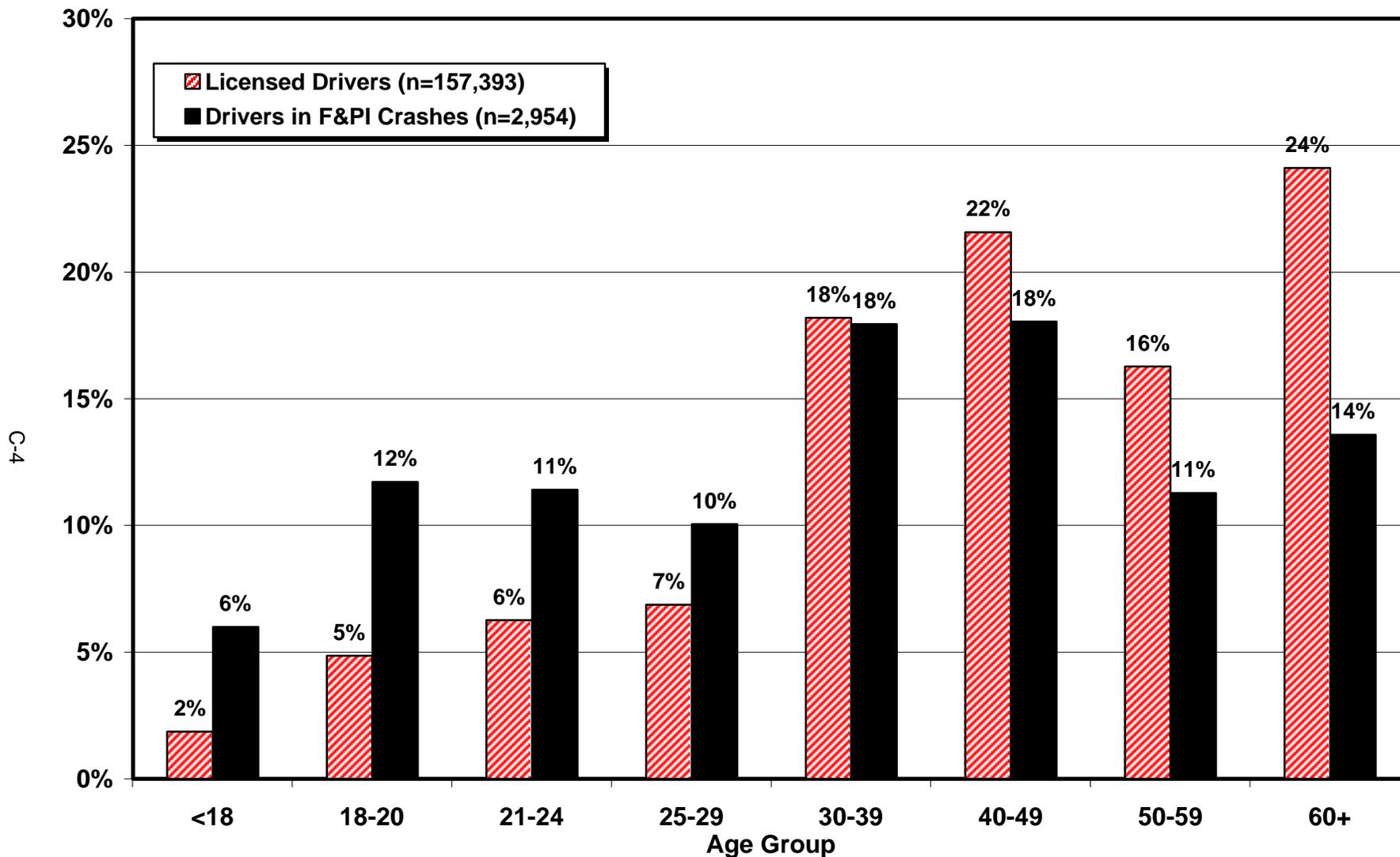
* Police-reported crashes only.

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.

Niagara County 2001

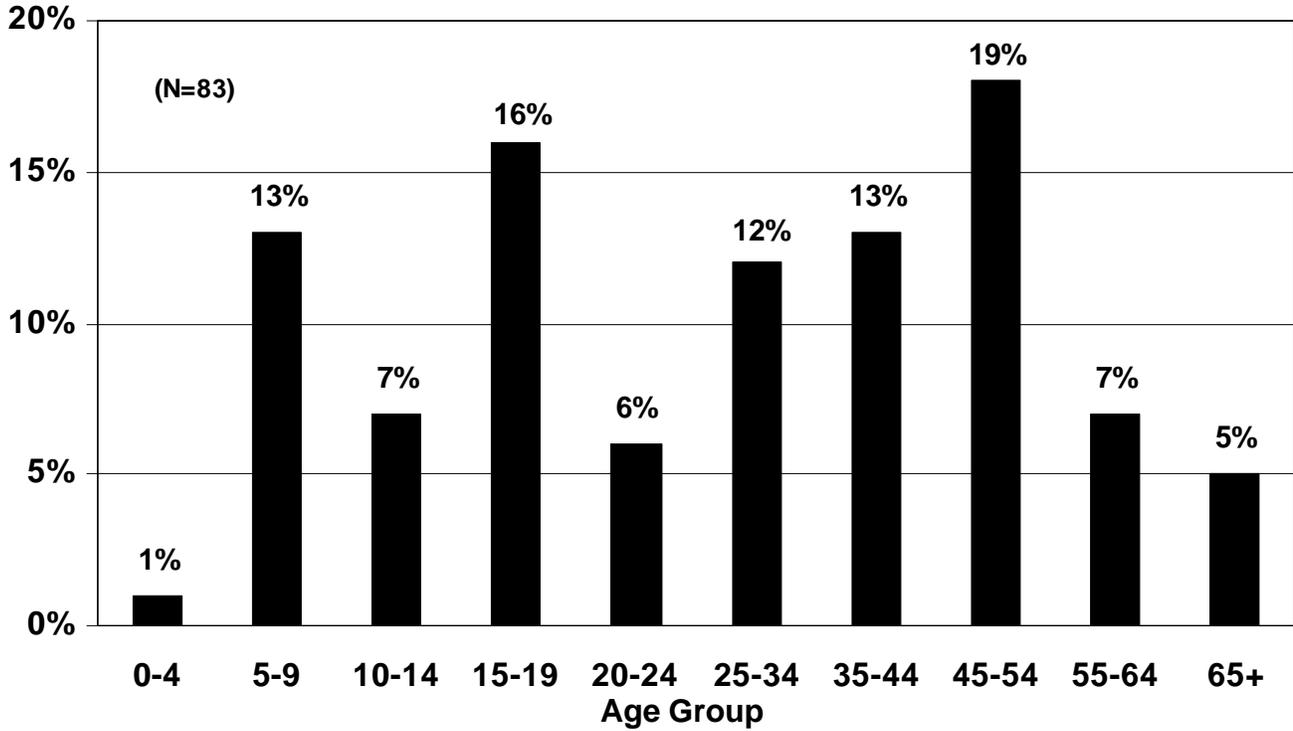
Licensed Drivers and Drivers Involved in Fatal and Personal Injury Crashes by Age Group



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.

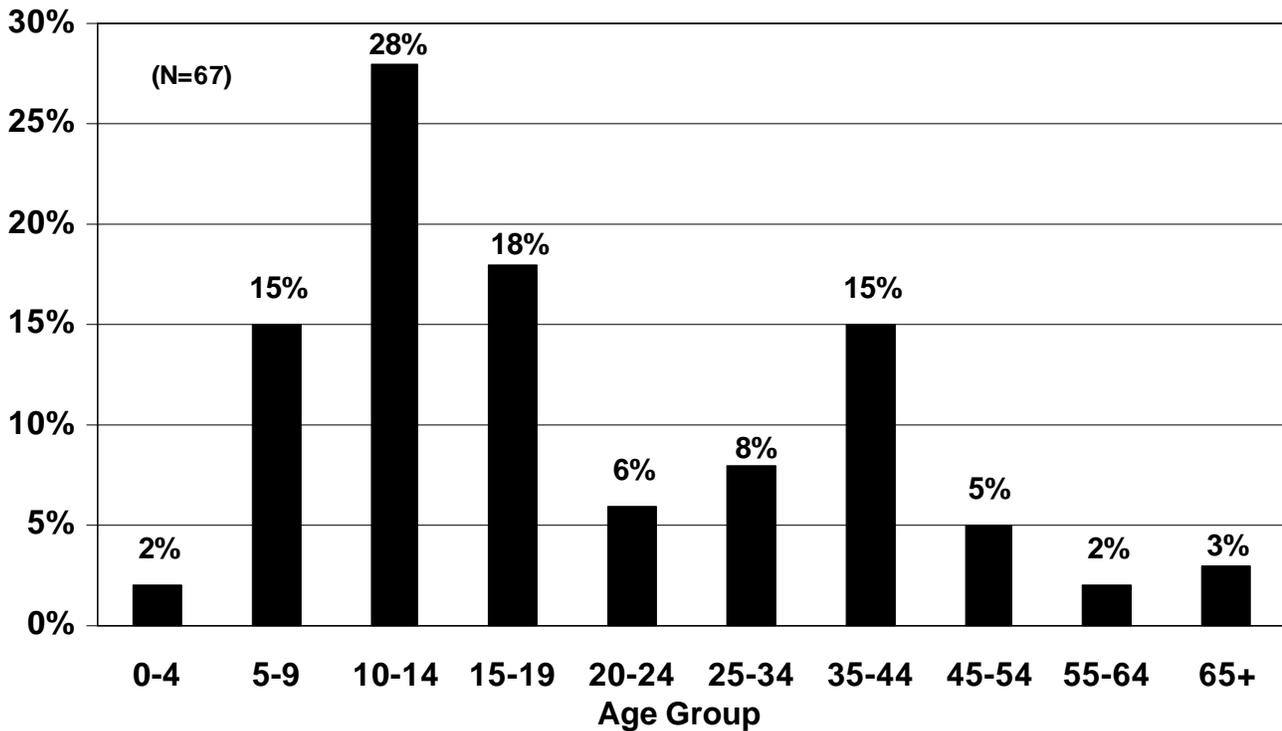
Source: NYSDMV driver's license file and NYSDMV AIS Data Base.

Niagara County 2001 Pedestrians Killed or Injured by Age Group



Source: NYSDMV AIS Data Base.

Niagara County 2001 Bicyclists Killed or Injured by Age Group



Source: NYSDMV AIS Data Base.

NIAGARA COUNTY

ALCOHOL-RELATED CRASH DATA*

	1998	1999	2000	2001
TOTAL CRASHES (events)	2,948	3,491	3,634	3,094
Alcohol-related crashes	149	179	175	143
% of total crashes	5.1	5.1	4.8	4.6
FATAL CRASHES (events)	21	18	13	25
Alcohol-related fatal crashes	4	3	0	7
% of fatal crashes	19.0	16.7	0.0	28.0
PERSONAL INJURY CRASHES (events)	1,641	1,832	1,793	1,693
Alcohol-related injury crashes	103	120	122	91
% of injury crashes	6.3	6.6	6.8	5.4
TOTAL FATALITIES (persons)	21	20	13	27
Alcohol-related fatalities	4	3	0	8
% of total fatalities	19.0	15.0	0.0	29.6
TOTAL INJURIES (persons)	2,491	2,734	2,641	2,444
Alcohol-related injuries	155	196	178	130
% of total injuries	6.2	7.2	6.7	5.3

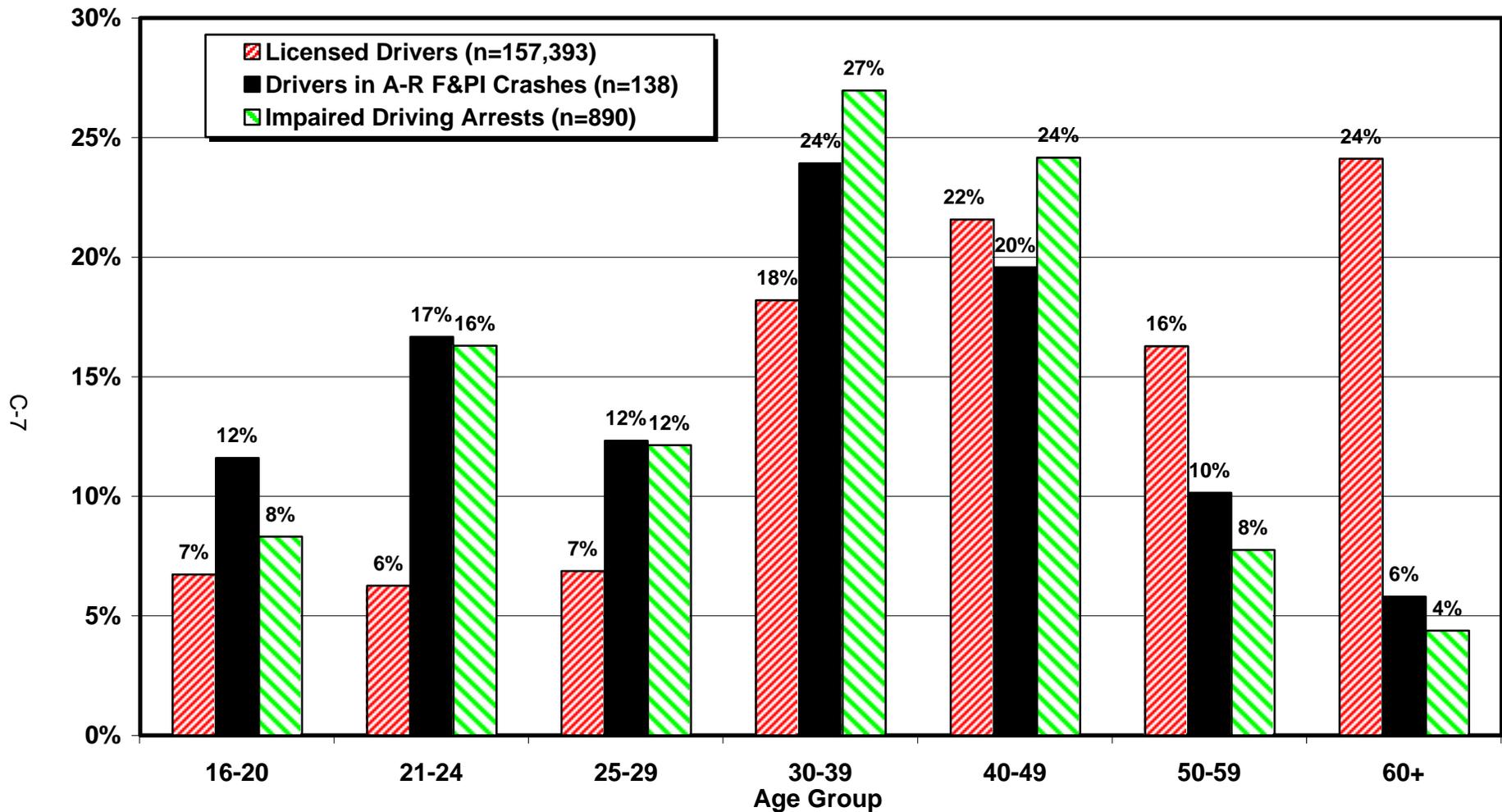
* Police-reported crashes only.

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.

Niagara 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.

NIAGARA COUNTY

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

VIOLATION	1999	2000	2001	2002
SPEED (V&T 1180)	14,550	14,172	14,176	14,912
% of total tickets	34.2	32.7	34.3	33.4
% convicted on same charge	27.8	27.5	23.9	20.5
SAFETY RESTRAINTS (V&T 1229c)	4,520	5,459	4,506	5,042
% of total tickets	10.6	12.6	10.9	11.3
% convicted on same charge	70.6	76.6	70.0	64.1
IMPAIRED DRIVING (V&T 1192)	1,135	1,190	1,064	1,091
% of total tickets	2.7	2.7	2.6	2.4
PERSONS ARRESTED*	982	999	890	928
% arrested as result of patrol activity**	93.0	92.3	93.0	92.7
% arrested as result of crash	6.2	6.9	6.7	6.7
% arrested as result of <i>other means</i> ***	0.8	0.8	0.2	0.7
TOTAL TICKETS FOR ALL V&T VIOLATIONS	42,484	43,276	41,276	44,607

* 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.

NIAGARA COUNTY

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

	1999	2000	2001	2002
Persons Arrested	(N=982)	(N=999)	(N=890)	(N=928)
Case adjudicated	98.5%	96.6%	86.2%	97.6%
Case pending	1.5%	3.4%	13.8%	2.4%
Disposition of Adjudicated Cases*	(N=967)	(N=965)	(N=767)	(N=906)
Convicted on Alcohol Charge	89.9%	90.5%	89.6%	87.6%
Convicted on original alcohol charge	18.0%	18.0%	21.4%	19.3%
Convicted on reduced alcohol charge	53.3%	57.1%	47.5%	47.2%
Convicted on other alcohol charge	18.6%	15.4%	20.7%	21.1%
Convicted on Non-Alcohol Charge	3.7%	3.8%	5.1%	5.2%
Dismissed/Acquitted/Convicted on charge associated with different event	6.4%	5.7%	5.3%	7.2%
* 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.

NIAGARA COUNTY

DWI/AI Probation Data

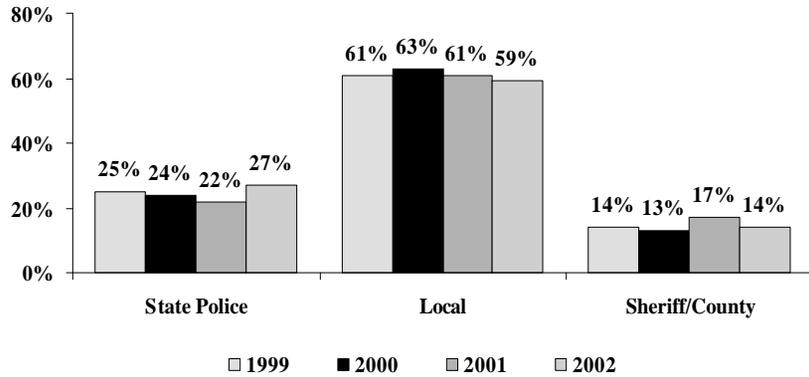
	1999	2000	2001	2002
Number of Persons Sentenced to Probation	169	193	157	161
Number of Persons on Probation*	521	549	563	539

* 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.

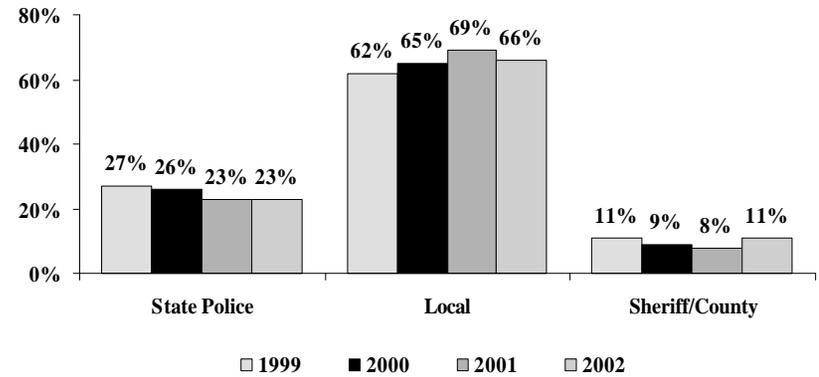
Source: NYS Division of Probation and Correctional Alternatives.

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

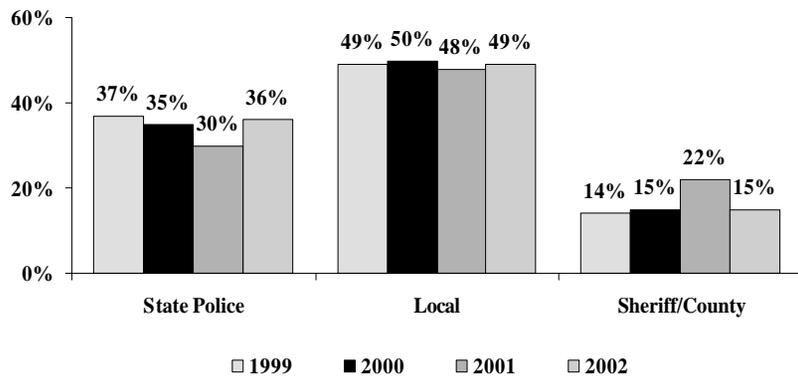
All Tickets



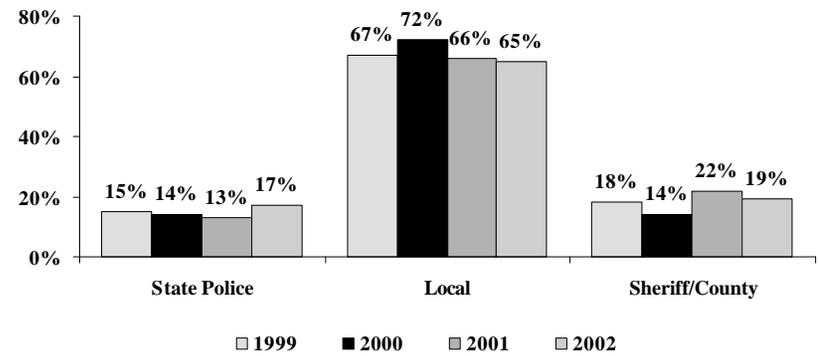
Seat Belt Tickets



Speed Tickets



Persons Ticketed for Impaired Driving



NIAGARA 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
Niagara Sheriff	alcohol	189	19.0	16.7	171	16.5	14.3	219	23.1	20.6	187	20.3	17.1
NCIC 03100	speed	1,962	21.5	13.5	2,385	25.3	16.5	3,079	31.0	21.8	2,302	24.0	15.4
	seatbelt	482	14.6	10.7	542	13.2	9.8	353	10.2	7.8	556	14.4	11.0
Lockport P.D.	alcohol	157	15.8	13.8	233	22.5	19.4	134	14.1	12.6	128	13.9	11.7
NCIC 03101	speed	716	7.8	4.9	843	8.9	5.8	777	7.8	5.5	626	6.5	4.2
	seatbelt	380	11.5	8.4	1,218	29.7	22.0	487	14.1	10.8	510	13.2	10.1
Niagara Falls City P.D.	alcohol	240	24.1	21.1	242	23.4	20.2	177	18.7	16.6	169	18.3	15.5
NCIC 03102	speed	1,636	17.9	11.2	1,412	15.0	9.8	1,477	14.9	10.4	1,187	12.4	8.0
	seatbelt	1,231	37.2	27.2	1,207	29.4	21.8	1,595	46.1	35.5	1,553	40.2	30.8
North Tonawanda P.D.	alcohol	195	19.6	17.2	154	14.9	12.8	191	20.1	17.9	195	21.2	17.9
NCIC 03103	speed	657	7.2	4.5	1,187	12.6	8.2	1,069	10.8	7.6	1,871	19.5	12.5
	seatbelt	161	4.9	3.6	260	6.3	4.7	367	10.6	8.2	345	8.9	6.8
Middleport P.D.	alcohol	25	2.5	2.2	19	1.8	1.6	11	1.2	1.0	12	1.3	1.1
NCIC 03120	speed	194	2.1	1.3	274	2.9	1.9	461	4.6	3.3	622	6.5	4.2
	seatbelt	34	1.0	0.8	77	1.9	1.4	115	3.3	2.6	173	4.5	3.4
Village of Lewiston P.D.	alcohol	3	0.3	0.3	0	0.0	0.0	2	0.2	0.2	23	2.5	2.1
NCIC 03121	speed	83	0.9	0.6	1	<0.1	<0.1	0	0.0	0.0	165	1.7	1.1
	seatbelt	33	1.0	0.7	0	0.0	0.0	0	0.0	0.0	34	0.9	0.7
Vil. of Youngstown P.D.	alcohol	3	0.3	0.3	0	0.0	0.0	4	0.4	0.4	2	0.2	0.2
NCIC 03123	speed	59	0.6	0.4	53	0.6	0.4	95	1.0	0.7	45	0.5	0.3
	seatbelt	4	0.1	0.1	7	0.2	0.1	13	0.4	0.3	9	0.2	0.2
Town of Lewiston P.D.	alcohol	64	6.4	5.6	70	6.8	5.8	79	8.3	7.4	62	6.7	5.7
NCIC 03154	speed	837	9.2	5.8	793	8.4	5.5	905	9.1	6.4	477	5.0	3.2
	seatbelt	229	6.9	5.1	346	8.4	6.2	268	7.8	6.0	156	4.0	3.1

NIAGARA 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
Town of Niagara P.D.	alcohol	36	3.6	3.2	51	4.9	4.3	45	4.7	4.2	38	4.1	3.5
NCIC 03155	speed	1,896	20.7	13.0	1,561	16.6	10.8	902	9.1	6.4	852	8.9	5.7
	seatbelt	428	12.9	9.5	235	5.7	4.2	150	4.3	3.3	262	6.8	5.2
Somerset P.D.	alcohol	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
NCIC 03159	speed	2	<0.1	<0.1	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
	seatbelt	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
NYS Park P.D./ Niagara	alcohol	75	7.5	6.6	91	8.8	7.6	75	7.9	7.0	91	9.9	8.3
NCIC 03190	speed	750	8.2	5.2	647	6.9	4.5	791	8.0	5.6	1,155	12.1	7.7
	seatbelt	273	8.2	6.0	165	4.0	3.0	96	2.8	2.1	235	6.1	4.7
Village of Barker P.D.	alcohol	7	0.7	0.6	4	0.4	0.3	12	1.3	1.1	14	1.5	1.3
NCIC 03125	speed	346	3.8	2.4	268	2.8	1.9	383	3.9	2.7	271	2.8	1.8
	seatbelt	56	1.7	1.2	46	1.1	0.8	13	0.4	0.3	33	0.9	0.7
Totals by Agency Type													
Sheriff and Local	alcohol	994		87.6	1,035		86.3	949		89.1	921		84.4
	speed	9,138		62.8	9,424		65.3	9,939		70.3	9,573		64.2
	seatbelt	3,311		73.3	4,103		74.0	3,457		76.9	3,866		76.7
State Police	alcohol	141		12.4	165		13.8	116		10.9	170		15.6
	speed	5,412		37.2	5,012		34.7	4,204		29.7	5,338		35.8
	seatbelt	1,209		26.7	1,439		26.0	1,041		23.1	1,176		23.3
Other	alcohol	0		0.0	0		0.0	0		0.0	0		0.0
	speed	0		0.0	5		<0.1	0		0.0	0		0.0
	seatbelt	0		0.0	0		0.0	0		0.0	0		0.0
County Totals													
	alcohol	1,135			1,200			1,065			1,091		
	speed	14,550			14,441			14,143			14,911		
	seatbelt	4,520			5,542			4,498			5,042		

Source: NYSDMV