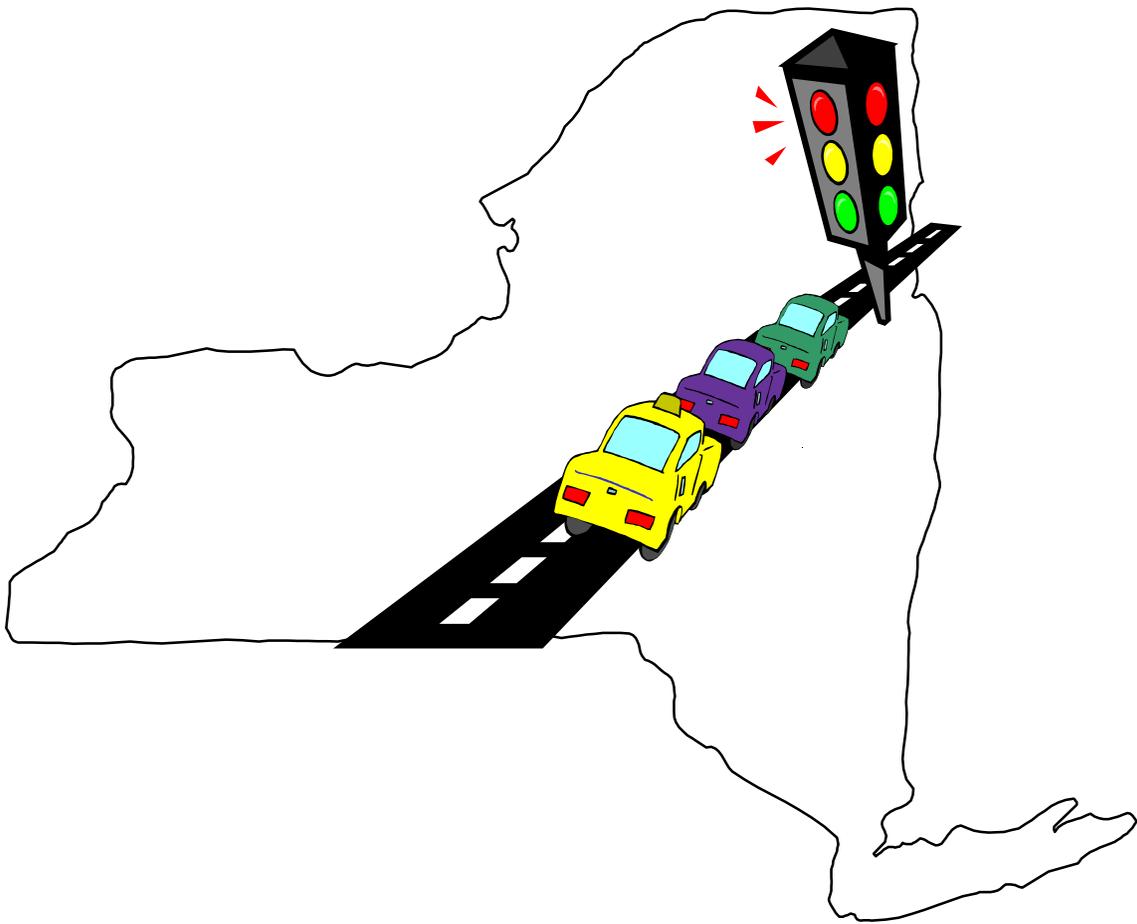


MADISON COUNTY

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

MADISON COUNTY

CRASH DATA

	1999	%	2000	%	2001	%	2002	%
TOTAL CRASHES* (events)	1,390		1,689		1,309 *		862 *	
Fatal	10	0.7	9	0.5	12	0.9	7	0.8
Personal Injury	492	35.4	552	32.7	461	35.2	555	64.4
Property Damage*	888	63.9	1,128	66.8	836 *	63.9	300 *	34.8
SELECTED CRASH TYPES (events)								
Pedestrian crashes	16	1.2	17	1.0	15	1.1	18	2.1
Bicycle crashes	10	0.7	17	1.0	12	0.9	13	1.5
Motorcycle crashes	22	1.6	18	1.1	22	1.7	15	1.7
TOTAL FATALITIES (persons)	11		9		12		7	
Drivers	7	63.6	6	66.7	9	75.0	6	85.7
Passengers	3	27.3	3	33.3	2	16.7	0	0.0
Pedestrians	1	9.1	0	0.0	1	8.3	1	14.3
Bicyclists	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL INJURIES** (persons)	721		751		632		767	
Drivers	460	63.8	513	68.3	432	68.4	495	64.5
Passengers	237	32.9	201	26.8	175	27.7	240	31.3
Pedestrians	14	1.9	18	2.4	14	2.2	20	2.6
Bicyclists	10	1.4	16	2.1	11	1.7	12	1.6

* 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.

MADISON COUNTY
CRASH AND FATALITY & INJURY RATES

	1999	2000	2001	2002
CRASH RATES				
Crash Rate per 10,000 Population	195.43	243.23	187.77*	123.53*
Crash Rate per 10,000 Licensed Drivers	287.73	344.20	264.70*	173.67*
FATALITY & INJURY RATES				
Fatality & Injury Rate per 10,000 Population	106.85	113.48	93.09	115.93
Fatality & Injury Rate per 10,000 Licensed Drivers	157.32	160.58	131.24	162.99
MEAN SEVERITY OF INJURY (MSI)	1.470	1.449	1.470	1.427

* 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.

MADISON COUNTY

SELECTED CONTRIBUTING FACTORS IN CRASHES*

	1999	%	2000	%	2001	%	2002	%
Total Crashes	1,264		1,542		1,216		598	
Alcohol involvement	60	4.7	71	4.6	43	3.5	36	6.0
Unsafe speed	271	21.4	343	22.2	247	20.3	183	30.6
Driver inattention/distraction**	114	9.0	159	10.3	130	10.7	56	9.4
Failure to yield right-of-way	184	14.6	201	13.0	180	14.8	109	18.2
Following too closely	103	8.1	130	8.4	135	11.1	74	12.4
Improper passing/lane usage	70	5.5	78	5.1	70	5.8	16	2.7
Traffic control disregarded	35	2.8	31	2.0	32	2.6	10	1.7
Unsafe lane changing	33	2.6	40	2.6	28	2.3	14	2.3

* 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.

MADISON COUNTY

REPORTED SAFETY RESTRAINT USE IN CRASHES*

	1999		2000		2001		2002	
	All Occupants %	K&A Occupants %						
	2,828	65	3,170	61	2,690	57	1,411	64
No restraint used	5.2	40.0	3.7	26.2	4.5	15.8	6.1	20.3
Restraint used	86.1	55.4	93.1	70.5	88.1	78.9	90.9	65.6
Restraint use unspecified	8.7	4.6	3.2	3.3	7.3	5.3	3.0	14.1

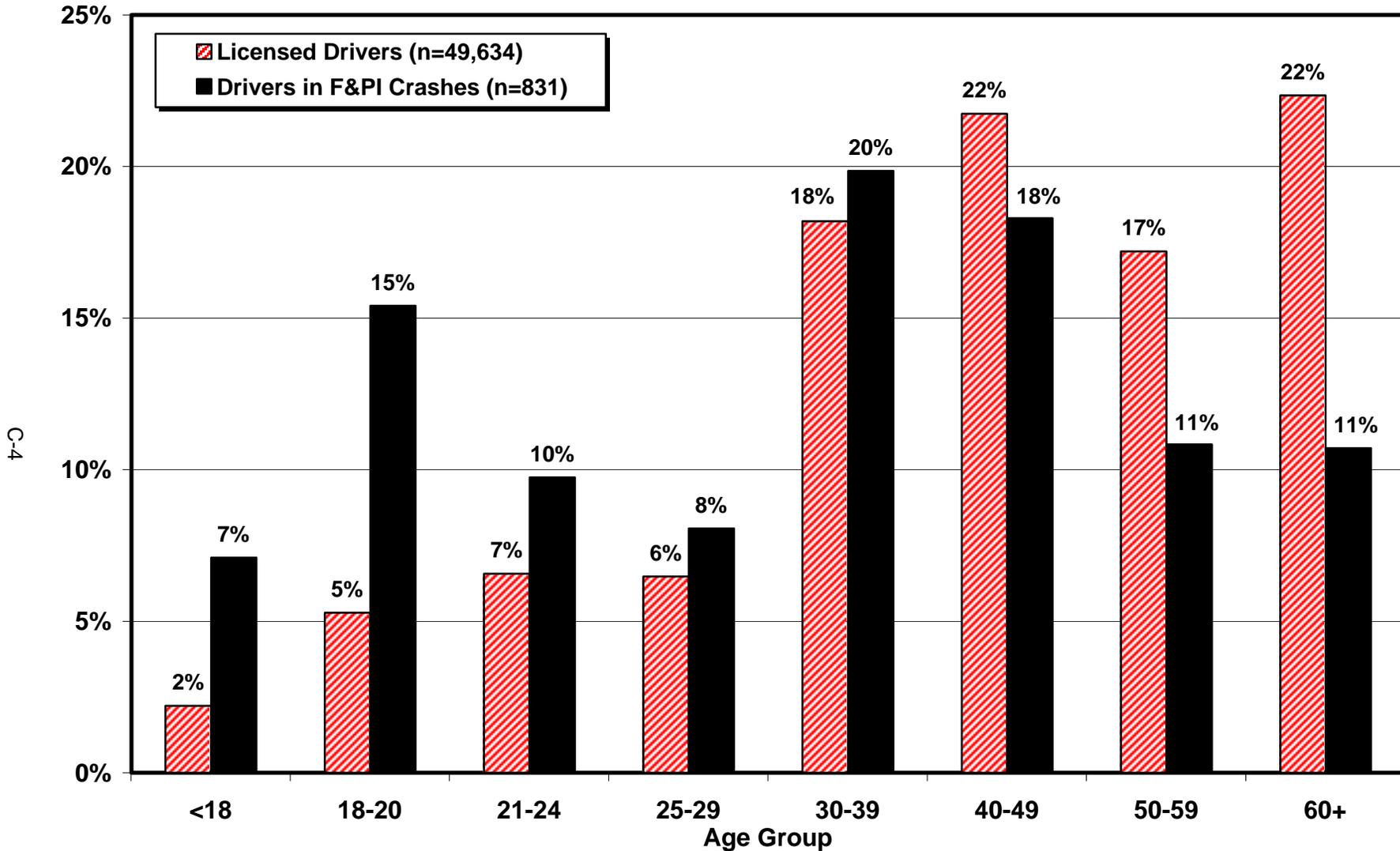
* Police-reported crashes only.

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.

Madison County 2002

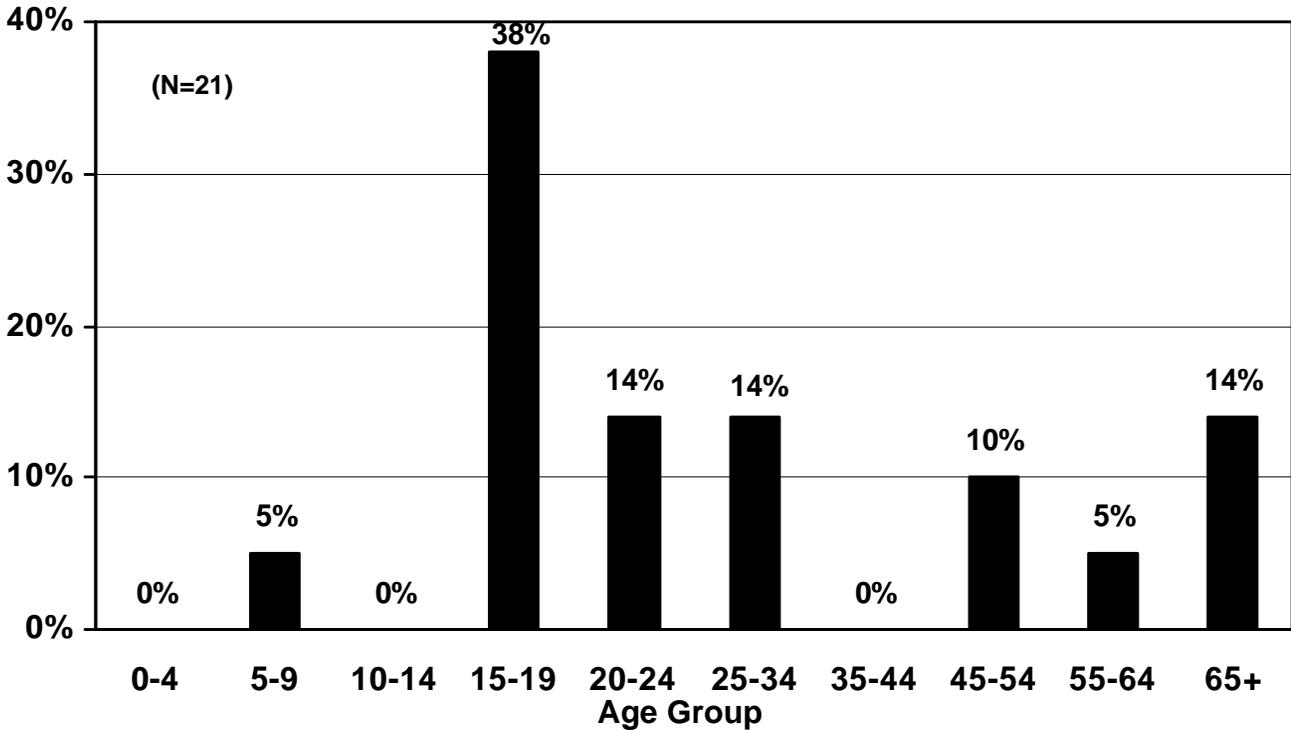
Licensed Drivers and Drivers Involved in Fatal and Personal Injury Crashes by Age Group



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.

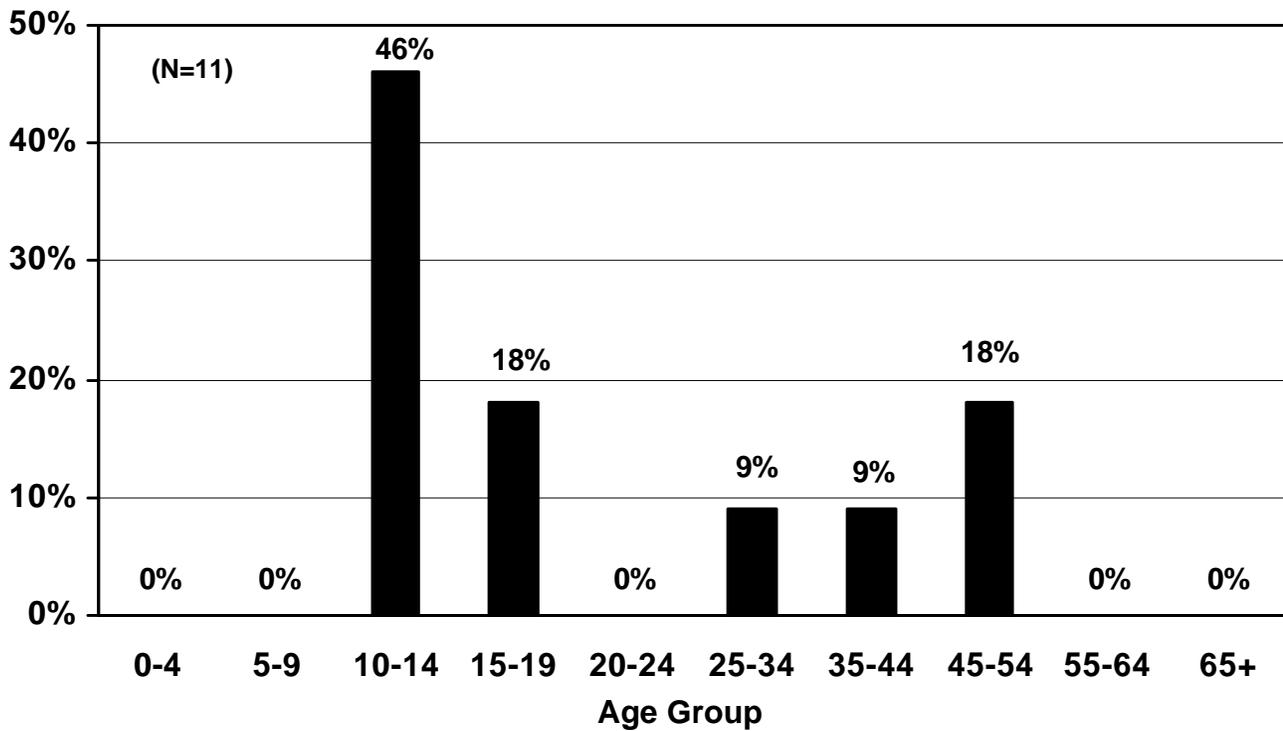
Source: NYSDMV driver's license file and NYSDMV AIS Data Base.

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



Source: NYSDMV AIS Data Base.

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



Source: NYSDMV AIS Data Base.

MADISON COUNTY

ALCOHOL-RELATED CRASH DATA*

	1999	2000	2001	2002
TOTAL CRASHES (events)	1,264	1,542	1,216	598
Alcohol-related crashes	62	73	44	37
% of total crashes	4.9	4.7	3.6	6.2
FATAL CRASHES (events)	10	9	12	7
Alcohol-related fatal crashes	2	3	4	1
% of fatal crashes	20.0	33.3	33.3	14.3
PERSONAL INJURY CRASHES (events)	471	532	456	526
Alcohol-related injury crashes	48	49	25	35
% of injury crashes	10.2	9.2	5.5	6.7
TOTAL FATALITIES (persons)	11	9	12	7
Alcohol-related fatalities	3	3	4	1
% of total fatalities	27.3	33.3	33.3	14.3
TOTAL INJURIES (persons)	721	751	632	767
Alcohol-related injuries	73	72	35	44
% of total injuries	10.1	9.6	5.5	5.7

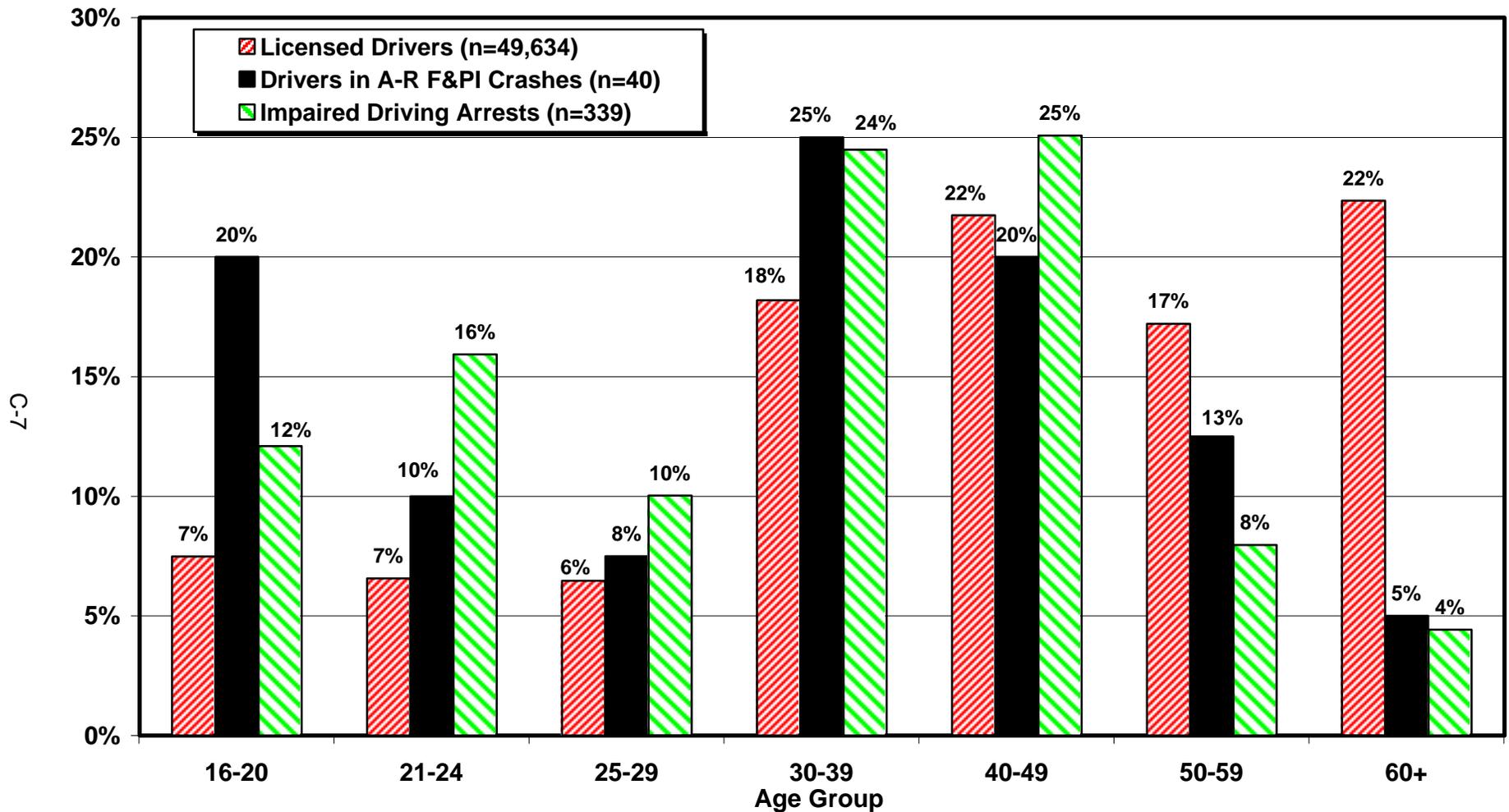
* Police-reported crashes only.

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.

Madison 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.

MADISON COUNTY

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

VIOLATION	2000	2001	2002	2003
SPEED (V&T 1180)	5,562	5,508	5,520	5,346
% of total tickets	34.9	36.6	33.0	30.9
% convicted on same charge	48.4	42.4	37.5	37.9
SAFETY RESTRAINTS (V&T 1229c)	2,774	1,791	2,018	1,553
% of total tickets	17.4	11.9	12.1	9.0
% convicted on same charge	79.5	80.3	70.1	64.9
IMPAIRED DRIVING (V&T 1192)	493	438	481	682
% of total tickets	3.1	2.9	2.9	3.9
PERSONS ARRESTED*	356	322	340	441
% arrested as result of patrol activity**	78.4	83.9	81.2	85.0
% arrested as result of crash	19.6	15.5	17.4	13.8
% arrested as result of <i>other means</i> ***	2.0	0.6	1.5	1.1
TOTAL TICKETS FOR ALL V&T VIOLATIONS	15,938	15,051	16,723	17,320

* 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.

MADISON COUNTY

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

	2000	2001	2002	2003
Persons Arrested	(N=356)	(N=322)	(N=340)	(N=441)
Case adjudicated	88.8%	73.0%	92.1%	76.9%
Case pending	11.2%	27.0%	7.9%	23.1%
Disposition of Adjudicated Cases*	(N=316)	(N=235)	(N=313)	(N=339)
Convicted on Alcohol Charge	91.7%	93.6%	90.1%	93.5%
Convicted on original alcohol charge	27.5%	23.0%	24.3%	21.2%
Convicted on reduced alcohol charge	56.6%	63.8%	55.9%	64.0%
Convicted on other alcohol charge	7.6%	6.8%	9.9%	8.3%
Convicted on Non-Alcohol Charge	1.9%	2.1%	2.6%	2.1%
Dismissed/Acquitted/Convicted on charge associated with different event	6.4%	4.3%	7.3%	4.4%
* 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.

MADISON COUNTY

DWI/AI Probation Data

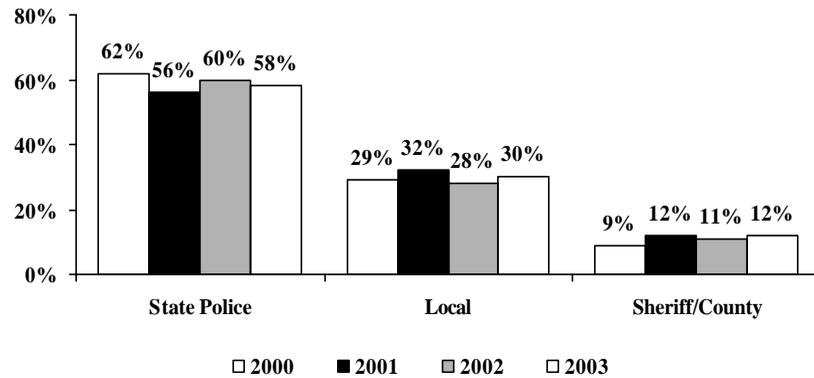
	2000	2001	2002	2003
Number of Persons Sentenced to Probation	62	38	45	37
Number of Persons on Probation*	139	116	92	80

* 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.

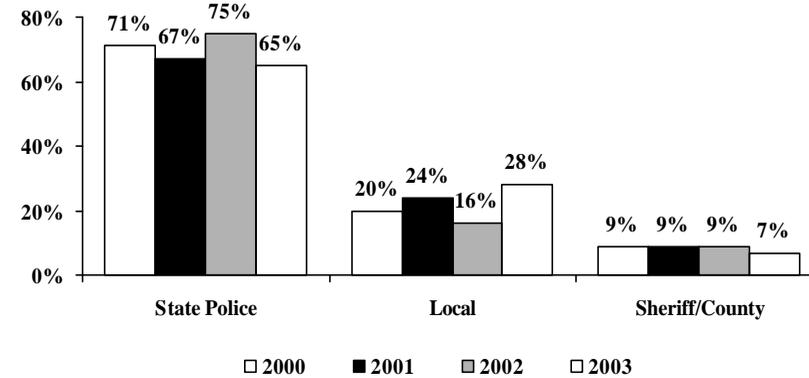
Source: NYS Division of Probation and Correctional Alternatives.

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

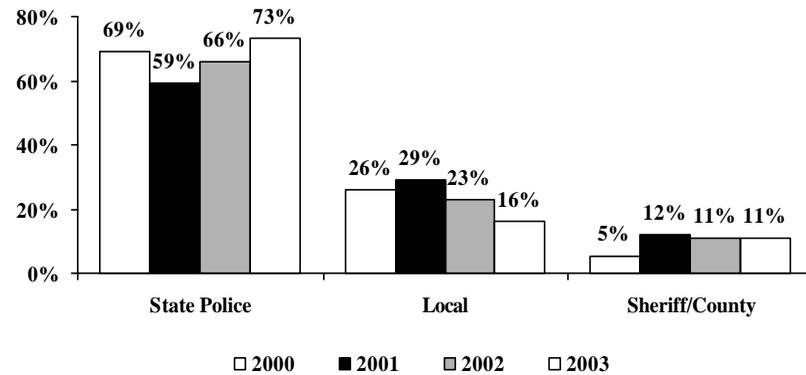
All Tickets



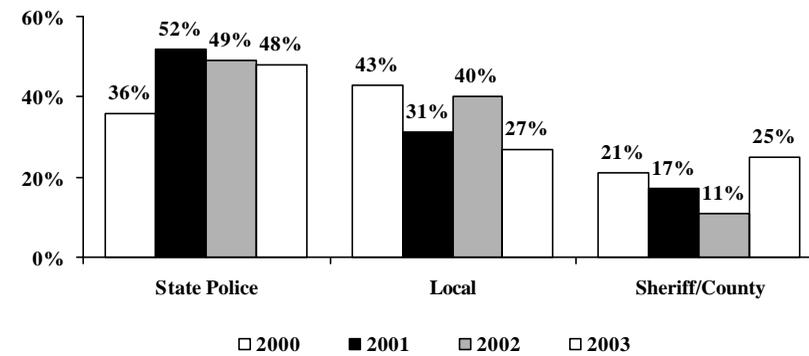
Seat Belt Tickets



Speed Tickets



Persons Ticketed for Impaired Driving



C-10

MADISON 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
Madison Sheriff NCIC 02600	alcohol	104	32.9	21.0	99	36.7	22.7	65	21.0	13.5	199	48.8	29.2
	speed	293	16.9	5.3	649	29.1	11.8	597	32.9	10.8	608	43.2	11.4
	seatbelt	252	31.9	9.1	163	27.3	9.1	181	36.6	9.0	114	21.4	7.3
Oneida City P.D. NCIC 02601	alcohol	94	29.7	19.0	58	21.5	13.3	140	45.3	29.1	88	21.6	12.9
	speed	290	16.7	5.2	332	14.9	6.0	272	15.0	4.9	143	10.2	2.7
	seatbelt	157	19.9	5.6	84	14.1	4.7	98	19.8	4.9	126	23.7	8.1
Cazenovia P.D. NCIC 02621	alcohol	14	4.4	2.8	17	6.3	3.9	16	5.2	3.3	38	9.3	5.6
	speed	213	12.3	3.8	325	14.6	5.9	94	5.2	1.7	134	9.5	2.5
	seatbelt	40	5.1	1.4	47	7.9	2.6	8	1.6	0.4	17	3.2	1.1
Hamilton Vill. P.D. NCIC 02625	alcohol	33	10.4	6.7	21	7.8	4.8	17	5.5	3.5	15	3.7	2.2
	speed	133	7.7	2.4	104	4.7	1.9	145	8.0	2.6	73	5.2	1.4
	seatbelt	52	6.6	1.9	18	3.0	1.0	7	1.4	0.3	27	5.1	1.7
Canastota P.D. NCIC 02626	alcohol	26	8.2	5.2	31	11.5	7.1	43	13.9	8.9	22	5.4	3.2
	speed	112	6.4	2.0	203	9.1	3.7	159	8.8	2.9	189	13.4	3.5
	seatbelt	103	13.0	3.7	91	15.2	5.1	33	6.7	1.6	71	13.3	4.6
Chittenango P.D. NCIC 02629	alcohol	43	13.6	8.7	44	16.3	10.1	26	8.4	5.4	42	10.3	6.2
	speed	696	40.1	12.5	615	27.6	11.2	547	30.1	9.9	256	18.2	4.8
	seatbelt	181	22.9	6.5	183	30.7	10.2	168	33.9	8.3	156	29.3	10.0
SUNY Morrisville NCIC 02604	alcohol	2	0.6	0.4	0	0.0	0.0	2	0.6	0.4	4	1.0	0.6
	speed	0	0.0	0.0	1	<0.1	<0.1	3	0.2	0.1	3	0.2	0.1
	seatbelt	5	0.6	0.2	11	1.8	0.6	0	0.0	0.0	21	3.9	1.4

MADISON 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	316		63.7	270		61.8	309		64.2	408		59.8
	speed	1,737		31.2	2,229		40.6	1,817		32.9	1,406		26.3
	seatbelt	790		28.4	597		33.3	495		24.6	532		34.3
State Police	alcohol	178		35.9	166		38.0	167		34.7	271		39.7
	speed	3,816		68.5	3,243		59.0	3,664		66.4	3,903		73.0
	seatbelt	1,982		71.2	1,193		66.6	1,507		74.8	1,005		64.7
Other incl. Park Police	alcohol	2		0.4	1		0.2	5		1.0	3		0.4
	speed	16		0.3	21		0.4	36		0.7	37		0.7
	seatbelt	10		0.4	2		0.1	14		0.7	16		1.0
County Totals		496			437			481			682		
	alcohol	5,569			5,493			5,517			5,346		
	speed	2,782			1,792			2,016			1,553		
	seatbelt												

Source: NYSDMV