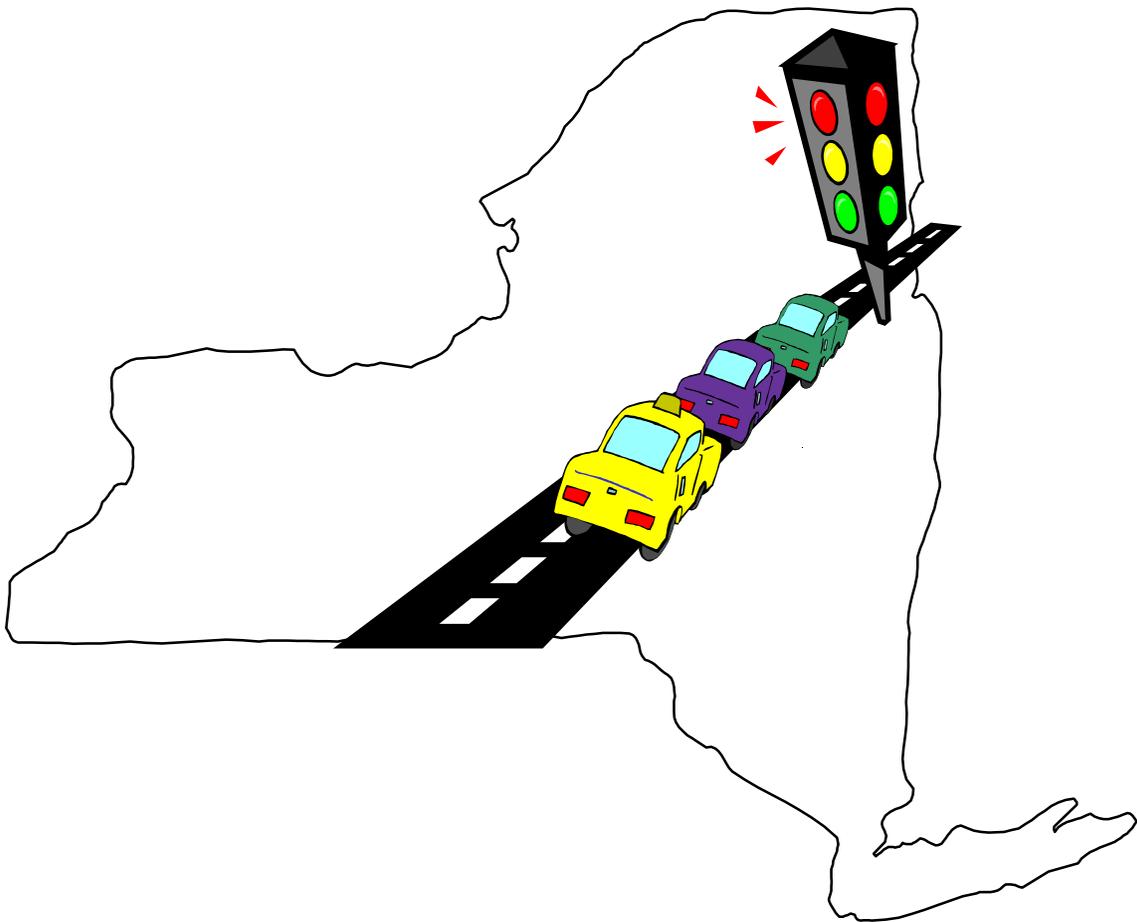


# **ROCKLAND COUNTY**

## **TRAFFIC SAFETY DATA**



**Prepared by**

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**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

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Tompkins  
Wyoming

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## ROCKLAND COUNTY

### CRASH DATA

	1998	%	1999	%	2000	%	2001	%
<b>TOTAL CRASHES* (events)</b>	<b>5,279 *</b>		<b>6,396 *</b>		<b>7,262 *</b>		<b>6,069 *</b>	
Fatal	26	0.5	22	0.3	18	0.2	20	0.3
Personal Injury	2,849	54.0	2,930	45.8	3,160	43.5	2,990	49.3
Property Damage*	2,404 *	45.5	3,444 *	53.8	4,084 *	56.2	3,059 *	50.4
<b>SELECTED CRASH TYPES (events)</b>								
Pedestrian crashes	123	2.3	143	2.2	139	1.9	149	2.5
Bicycle crashes	64	1.2	70	1.1	52	0.7	48	0.8
Motorcycle crashes	59	1.1	64	1.0	77	1.1	66	1.1
<b>TOTAL FATALITIES (persons)</b>	<b>29</b>		<b>26</b>		<b>18</b>		<b>21</b>	
Drivers	19	65.5	11	42.3	13	72.2	12	57.1
Passengers	7	24.1	6	23.1	1	5.6	6	28.6
Pedestrians	3	10.3	8	30.8	4	22.2	3	14.3
Bicyclists	0	0.0	1	3.8	0	0.0	0	0.0
<b>TOTAL INJURIES** (persons)</b>	<b>4,258</b>		<b>4,231</b>		<b>4,520</b>		<b>4,315</b>	
Drivers	2,812	66.0	2,852	67.4	3,076	68.1	2,889	67.0
Passengers	1,256	29.5	1,168	27.6	1,250	27.7	1,217	28.2
Pedestrians	123	2.9	141	3.3	141	3.1	153	3.5
Bicyclists	67	1.6	68	1.6	52	1.2	51	1.2

\* 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.

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

	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>
<b>CRASH RATES</b>				
Crash Rate per 10,000 Population	187.64	225.19	253.25	210.32
Crash Rate per 10,000 Licensed Drivers	266.69	321.39	357.76	295.29
<b>FATALITY &amp; INJURY RATES</b>				
Fatality & Injury Rate per 10,000 Population	158.46	154.95	164.99	152.72
Fatality & Injury Rate per 10,000 Licensed Drivers	225.22	221.14	233.07	214.42
<b>MEAN SEVERITY OF INJURY (MSI)</b>	1.281	1.283	1.269	1.267

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

**ROCKLAND COUNTY**  
**SELECTED CONTRIBUTING FACTORS IN CRASHES\***

	<b>1998</b>	<b>%</b>	<b>1999</b>	<b>%</b>	<b>2000</b>	<b>%</b>	<b>2001</b>	<b>%</b>
<b>Total Crashes</b>	<b>4,720</b>		<b>5,787</b>		<b>6,590</b>		<b>5,730</b>	
Alcohol involvement	136	2.9	158	2.7	173	2.6	175	3.1
Unsafe speed	454	9.6	587	10.1	649	9.8	533	9.3
Driver inattention/distraction**	710	15.0	771	13.3	953	14.5	854	14.9
Failure to yield right-of-way	861	18.2	1,011	17.5	1,088	16.5	971	16.9
Following too closely	948	20.1	1,274	22.0	1,437	21.8	983	17.2
Improper passing/lane usage	245	5.2	325	5.6	322	4.9	263	4.6
Traffic control disregarded	191	4.0	221	3.8	258	3.9	185	3.2
Unsafe lane changing	147	3.1	239	4.1	295	4.5	238	4.2

\* 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.

**ROCKLAND COUNTY**  
**REPORTED SAFETY RESTRAINT USE IN CRASHES\***

	<b>1998</b>		<b>1999</b>		<b>2000</b>		<b>2001</b>	
	<b>All Occupants</b>	<b>K&amp;A Occupants</b>						
	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>
	<b>13,953</b>	<b>213</b>	<b>16,542</b>	<b>212</b>	<b>17,407</b>	<b>230</b>	<b>15,626</b>	<b>197</b>
No restraint used	5.4	21.1	4.7	25.5	4.7	21.7	4.4	24.9
Restraint used	82.1	67.1	83.4	68.9	89.4	68.7	85.3	67.5
Restraint use unspecified	12.5	11.7	11.9	5.7	5.9	9.6	10.3	7.6

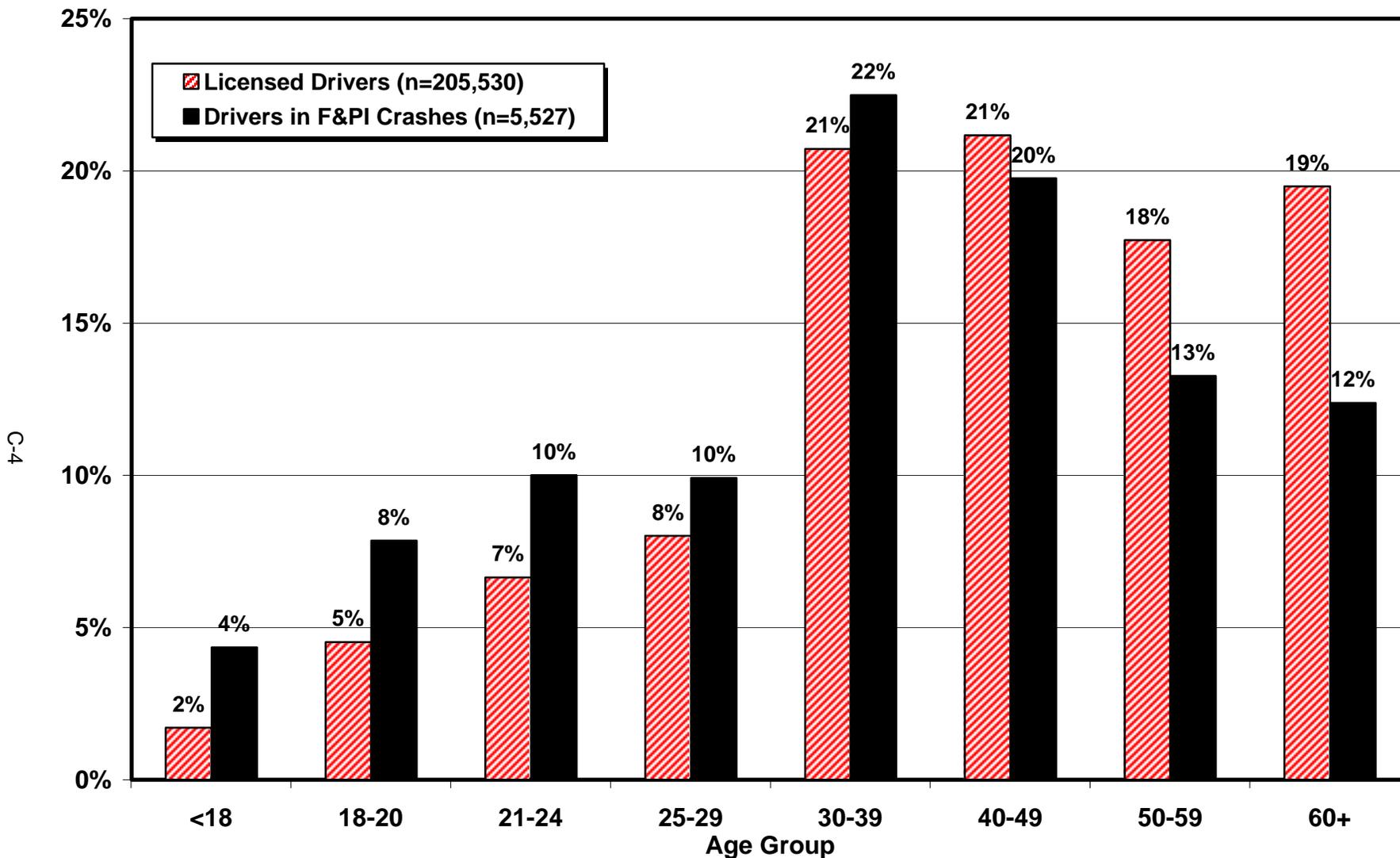
\* Police-reported crashes only.

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.

## Rockland County 2001

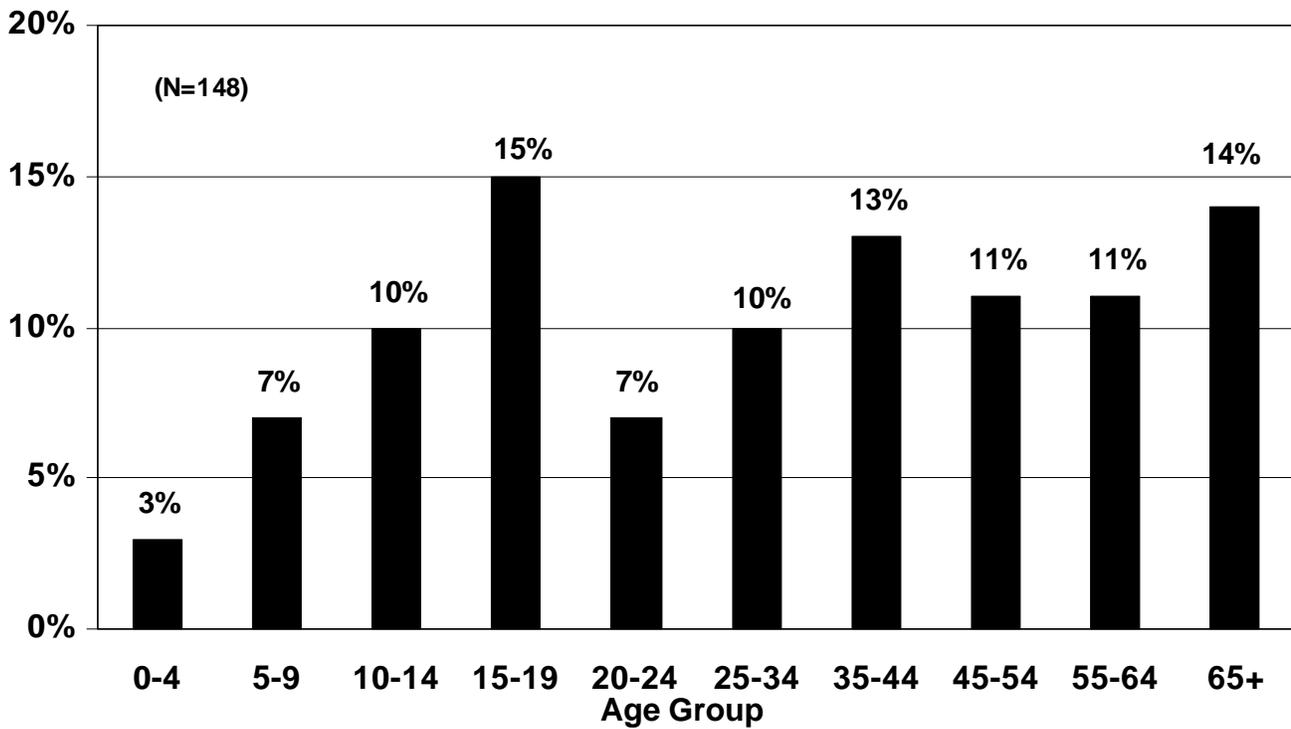
### Licensed Drivers and Drivers Involved in Fatal and Personal Injury Crashes by Age Group



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.

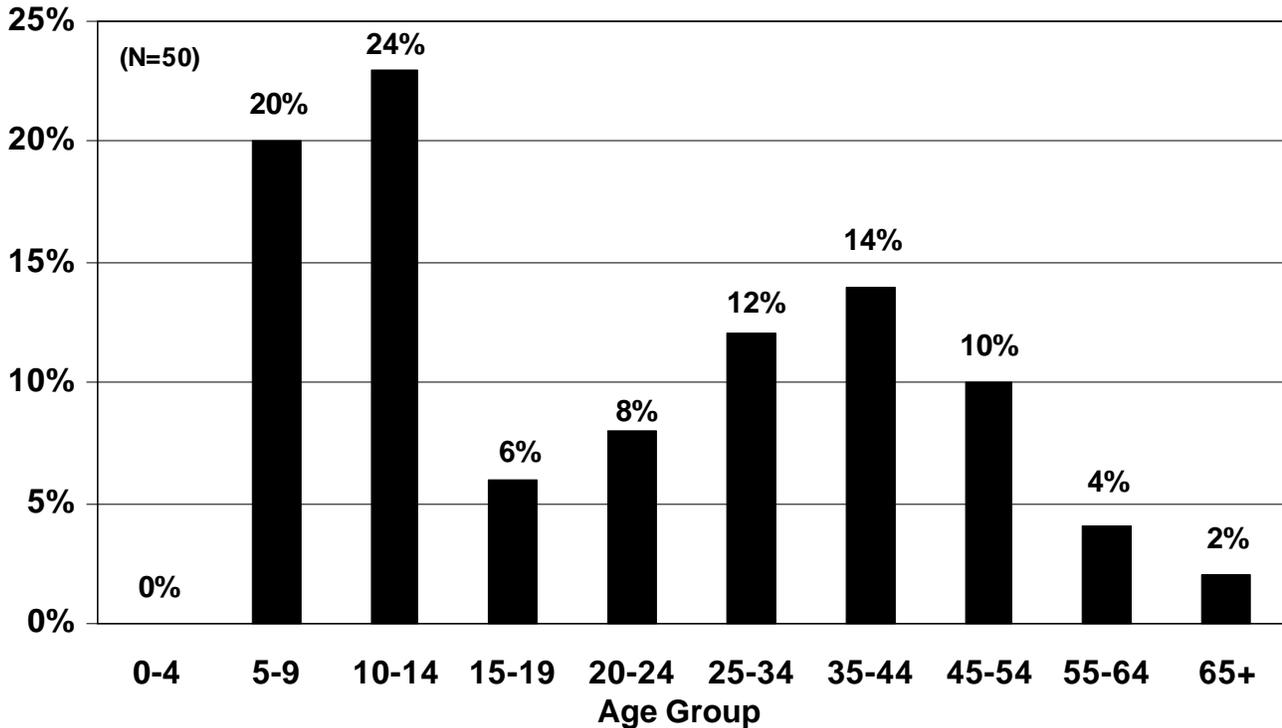
Source: NYSDMV driver's license file and NYSDMV AIS Data Base.

### Rockland County 2001 Pedestrians Killed or Injured by Age Group



Source: NYSDMV AIS Data Base.

### Rockland County 2001 Bicyclists Killed or Injured by Age Group



Source: NYSDMV AIS Data Base.

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

	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>
<b>TOTAL CRASHES (events)</b>	<b>4,720</b>	<b>5,787</b>	<b>6,590</b>	<b>5,730</b>
Alcohol-related crashes	142	161	176	184
% of total crashes	3.0	2.8	2.7	3.2
<b>FATAL CRASHES (events)</b>	<b>26</b>	<b>22</b>	<b>18</b>	<b>20</b>
Alcohol-related fatal crashes	6	3	8	6
% of fatal crashes	23.1	13.6	44.4	30.0
<b>PERSONAL INJURY CRASHES (events)</b>	<b>2,716</b>	<b>2,815</b>	<b>3,012</b>	<b>2,926</b>
Alcohol-related injury crashes	106	100	112	121
% of injury crashes	3.9	3.6	3.7	4.1
<b>TOTAL FATALITIES (persons)</b>	<b>29</b>	<b>26</b>	<b>18</b>	<b>21</b>
Alcohol-related fatalities	7	3	8	6
% of total fatalities	24.1	11.5	44.4	28.6
<b>TOTAL INJURIES (persons)</b>	<b>4,258</b>	<b>4,231</b>	<b>4,520</b>	<b>4,315</b>
Alcohol-related injuries	172	141	169	190
% of total injuries	4.0	3.3	3.7	4.4

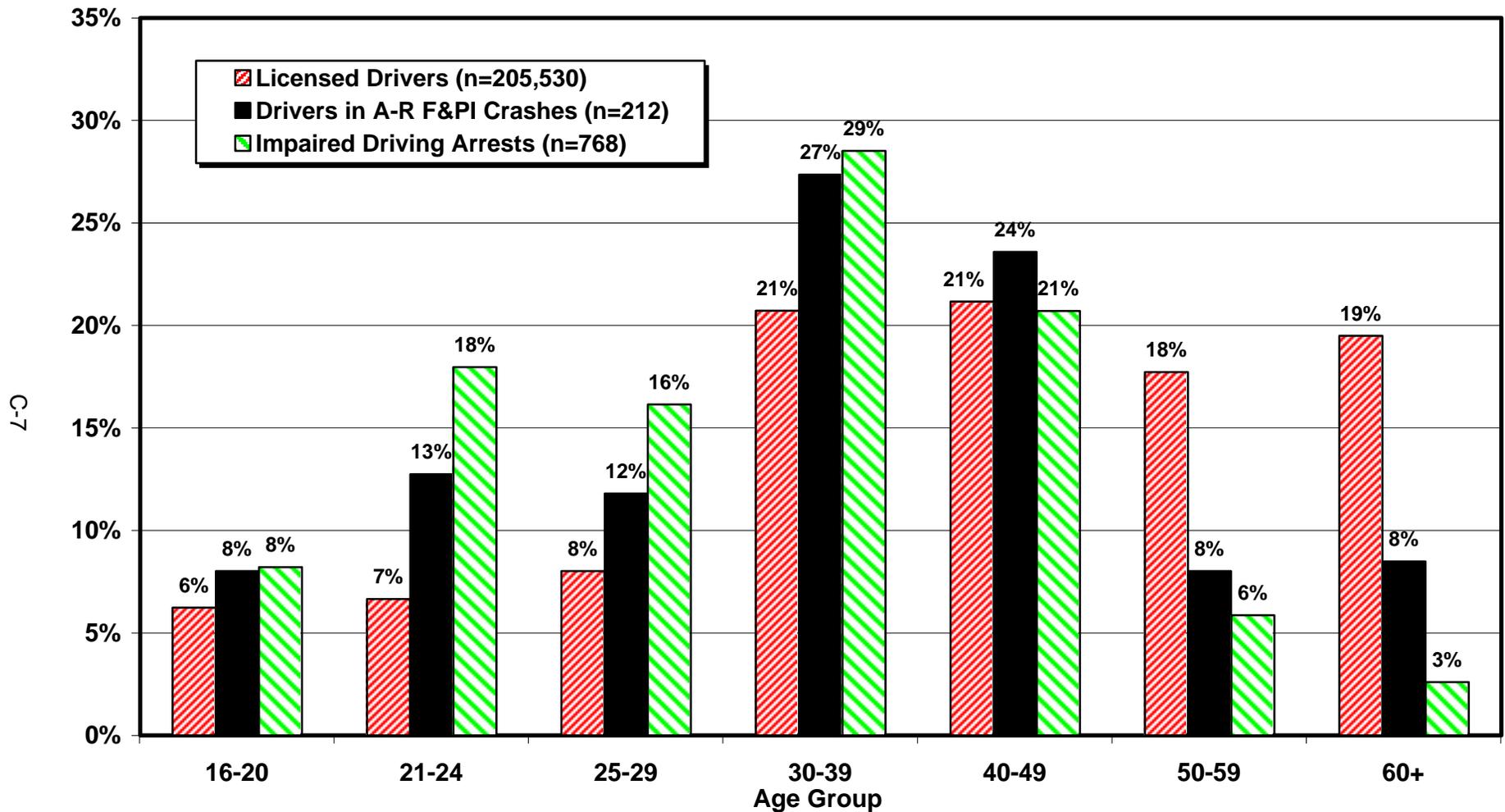
\* Police-reported crashes only.

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.

## Rockland 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.

## ROCKLAND COUNTY

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

VIOLATION	1999	2000	2001	2002
<b>SPEED (V&amp;T 1180)</b>	18,372	15,452	14,948	14,480
% of total tickets	31.8	26.2	27.3	22.7
% convicted on same charge	39.6	42.0	30.7	25.0
<b>SAFETY RESTRAINTS (V&amp;T 1229c)</b>	6,476	8,583	5,732	7,496
% of total tickets	11.2	14.6	10.5	11.8
% convicted on same charge	76.4	74.8	68.9	58
<b>IMPAIRED DRIVING (V&amp;T 1192)</b>	1,213	1,202	1,134	1,190
% of total tickets	2.1	2.0	2.1	1.9
<b>PERSONS ARRESTED*</b>	842	862	774	814
% arrested as result of patrol activity**	89.5	88.3	87.5	91.7
% arrested as result of crash	10.2	11.0	12.0	7.9
% arrested as result of <i>other means</i> ***	0.3	0.7	0.5	0.5
<b>TOTAL TICKETS FOR ALL V&amp;T VIOLATIONS</b>	<b>57,743</b>	<b>58,950</b>	<b>54,717</b>	<b>63,658</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.

## ROCKLAND COUNTY

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

	1999	2000	2001	2002
<b>Persons Arrested</b>	<b>(N=842)</b>	<b>(N=862)</b>	<b>(N=774)</b>	<b>(N=814)</b>
Case adjudicated	93.8%	89.2%	67.7%	81.0%
Case pending	6.2%	10.8%	32.3%	19.0%
<b>Disposition of Adjudicated Cases*</b>	<b>(N=790)</b>	<b>(N=769)</b>	<b>(N=524)</b>	<b>(N=659)</b>
<b>Convicted on Alcohol Charge</b>	<b>92.4%</b>	<b>90.2%</b>	<b>95.0%</b>	<b>91.2%</b>
Convicted on original alcohol charge	46.4%	45.6%	43.7%	44.8%
Convicted on reduced alcohol charge	38.4%	34.7%	41.4%	38.4%
Convicted on other alcohol charge	7.6%	9.9%	9.9%	8.0%
<b>Convicted on Non-Alcohol Charge</b>	<b>1.1%</b>	<b>1.3%</b>	<b>0.2%</b>	<b>1.5%</b>
<b>Dismissed/Acquitted/Convicted on charge associated with different event</b>	<b>6.5%</b>	<b>8.5%</b>	<b>4.8%</b>	<b>7.3%</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.

## ROCKLAND COUNTY

### DWI/AI Probation Data

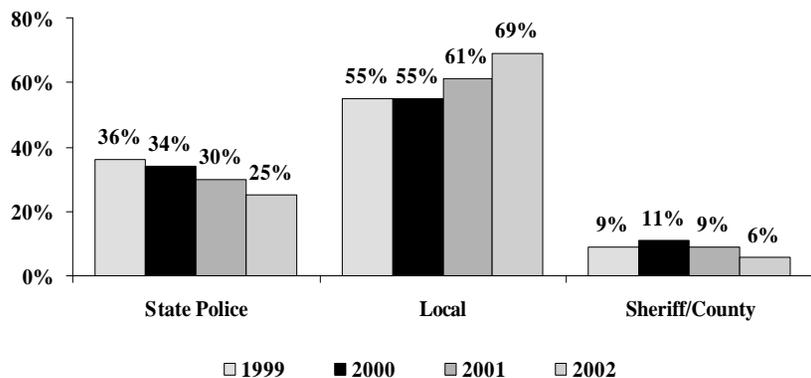
	1999	2000	2001	2002
<b>Number of Persons Sentenced to Probation</b>	115	106	104	96
<b>Number of Persons on Probation*</b>	427	436	423	332

\* 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.

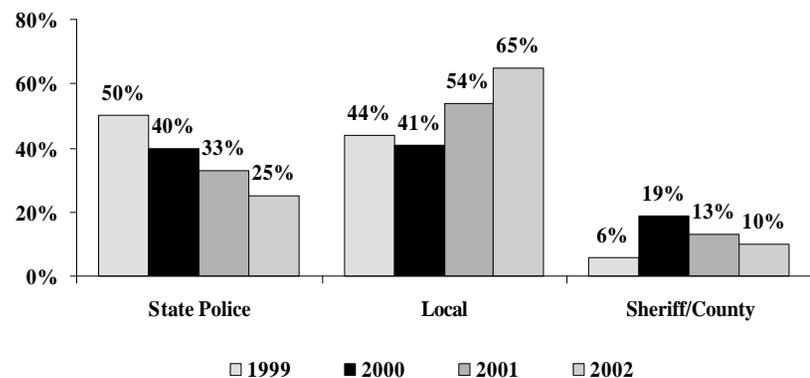
Source: NYS Division of Probation and Correctional Alternatives.

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

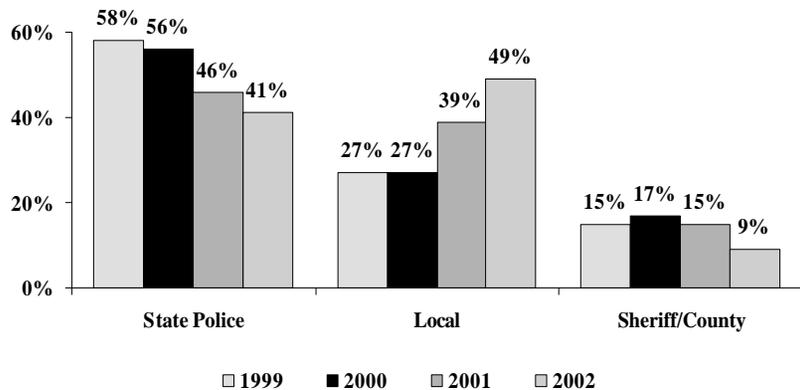
### All Tickets



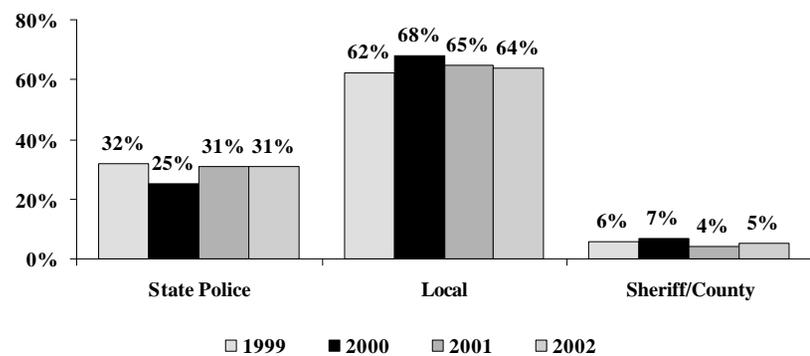
### Seat Belt Tickets



### Speed Tickets



### Persons Ticketed for Impaired Driving



## ROCKLAND 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
Rockland Sheriff	alcohol	93	10.0	7.7	86	9.2	6.9	62	7.1	5.3	68	7.4	5.7
NCIC 04300	speed	2,799	34.5	15.2	2,565	36.1	16.1	2,334	27.9	15.4	1,365	15.5	9.2
	seatbelt	384	11.3	5.9	1,671	31.5	19.0	736	19.2	12.9	769	13.2	10.0
Haverstraw P.D.	alcohol	20	2.1	1.6	47	5.0	3.8	20	2.3	1.7	29	3.2	2.4
NCIC 04321	speed	30	0.4	0.2	49	0.7	0.3	32	0.4	0.2	39	0.4	0.3
	seatbelt	79	2.3	1.2	179	3.4	2.0	136	3.5	2.4	159	2.7	2.1
Piermont P.D.	alcohol	20	2.1	1.6	12	1.3	1.0	18	2.1	1.5	10	1.1	0.8
NCIC 04325	speed	121	1.5	0.7	59	0.8	0.4	102	1.2	0.7	64	0.7	0.4
	seatbelt	37	1.1	0.6	159	3.0	1.8	82	2.1	1.4	101	1.7	1.3
S. Nyack/Grandview P.D.	alcohol	3	0.3	0.2	8	0.9	0.6	4	0.5	0.3	7	0.8	0.6
NCIC 04326	speed	143	1.8	0.8	126	1.8	0.8	143	1.7	0.9	219	2.5	1.5
	seatbelt	99	2.9	1.5	151	2.8	1.7	86	2.2	1.5	216	3.7	2.8
Spring Valley P.D.	alcohol	88	9.4	7.3	46	4.9	3.7	117	13.4	10.1	210	22.9	17.5
NCIC 04328	speed	320	3.9	1.7	371	5.2	2.3	247	3.0	1.6	276	3.1	1.9
	seatbelt	566	16.6	8.7	252	4.8	2.9	754	19.7	13.2	1,413	24.3	18.4
Suffern P.D.	alcohol	38	4.1	3.1	113	12.0	9.1	39	4.5	3.4	39	4.2	3.3
NCIC 04329	speed	251	3.1	1.4	479	6.7	3.0	359	4.3	2.4	493	5.6	3.3
	seatbelt	78	2.3	1.2	252	4.8	2.9	125	3.3	2.2	186	3.2	2.4

## ROCKLAND 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 Clarkstown P.D.	alcohol	230	24.7	19.0	203	21.6	16.3	188	21.5	16.2	173	18.8	14.4
NCIC 04350	speed	1,542	19.0	8.4	1,133	16.0	7.1	1,143	13.7	7.5	1,403	16.0	9.5
	seatbelt	750	22.1	11.6	1,325	25.0	15.1	699	18.2	12.2	1,120	19.3	14.6
Town of Haverstraw P.D.	alcohol	45	4.8	3.7	75	8.0	6.0	61	7.0	5.2	67	7.3	5.6
NCIC 04351	speed	240	3.0	1.3	257	3.6	1.6	246	2.9	1.6	222	2.5	1.5
	seatbelt	162	4.8	2.5	98	1.8	1.1	108	2.8	1.9	140	2.4	1.8
Orangetown P.D.	alcohol	106	11.4	8.7	129	13.7	10.4	97	11.1	8.3	66	7.2	5.5
NCIC 04352	speed	701	8.6	3.8	437	6.2	2.7	2,023	24.2	13.3	2,077	23.6	14.0
	seatbelt	276	8.1	4.3	262	4.9	3.0	318	8.3	5.6	393	6.8	5.1
Town of Ramapo P.D.	alcohol	176	18.9	14.5	134	14.3	10.8	155	17.7	13.3	155	16.9	12.9
NCIC 04353	speed	830	10.2	4.5	808	11.4	5.1	858	10.3	5.6	1,260	14.3	8.5
	seatbelt	650	19.1	10.0	483	9.1	5.5	346	9.0	6.1	312	5.4	4.1
Stony Point P.D.	alcohol	69	7.4	5.7	60	6.4	4.8	63	7.2	5.4	45	4.9	3.8
NCIC 04354	speed	431	5.3	2.3	364	5.1	2.3	266	3.2	1.8	489	5.6	3.3
	seatbelt	136	4.0	2.1	395	7.5	4.5	347	9.1	6.1	364	6.3	4.7
Park Police/Palisades	alcohol	45	4.8	3.7	26	2.8	2.1	50	5.7	4.3	49	5.3	4.1
NCIC 04390	speed	699	8.6	3.8	452	6.4	2.8	609	7.3	4.0	883	10.0	6.0
<i>(All counted in Rockland)</i>	seatbelt	183	5.4	2.8	74	1.4	0.8	97	2.5	1.7	638	11.0	8.3

## ROCKLAND COUNTY

### TSLE&D Tickets Issued for Selected Violations by Enforcement Agency

Enforcement Agency		1999		2000		2001		2002	
		#	% of Shf/Local Co. Total						
<b>Totals by Agency Type</b>									
Sheriff and Local	alcohol	933	76.9	939	75.4	874	75.2	918	76.6
	speed	8,107	44.1	7,100	44.6	8,362	55.0	8,790	59.4
	seatbelt	3,400	52.5	5,301	60.4	3,834	67.2	5,811	75.6
State Police	alcohol	280	23.1	306	24.6	279	24.0	280	23.4
	speed	10,269	55.9	8,789	55.3	6,835	45.0	5,971	40.4
	seatbelt	3,076	47.5	3,451	39.3	1,873	32.8	1,871	24.4
Other	alcohol	0	0.0	0	0.0	9	0.8	0	0.0
	speed	0	0.0	16	0.1	2	<0.1	25	0.2
	seatbelt	0	0.0	29	0.3	1	<0.1	1	<0.1
<b>County Totals</b>		<b>1,213</b>		<b>1,245</b>		<b>1,162</b>		<b>1,198</b>	
	alcohol								
	speed	<b>18,376</b>		<b>15,905</b>		<b>15,199</b>		<b>14,786</b>	
	seatbelt	<b>6,476</b>		<b>8,781</b>		<b>5,708</b>		<b>7,683</b>	

Source: NYSDMV