

# **PUTNAM 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 2014**

## COUNTY TRAFFIC SAFETY DATA

This document provides various crash and ticket data for the county. Ticket data are presented for the years 2010-2012. Four summary reports provide detailed crash data for the three years 2010-2012. The four crash reports provide data for 1) all crashes, 2) alcohol-related crashes, 3) speed-related crashes, and 4) motorcycle crashes. 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 about New York's highway safety issues or highway safety grant opportunities for state and local governments or non-profit agencies, please contact

**Institute for Traffic Safety  
Management and Research**  
80 Wolf Road, Suite 607  
Albany, New York 12205  
Telephone: 518-453-0291

OR

**Governor's Traffic Safety Committee**  
NYS Department of Motor Vehicles  
6 Empire State Plaza Room 414  
Albany, New York 12228  
Telephone: 518-474-5111

Contact Person: Sandra Fuller  
*E-Mail: [sfuller@itsmr.org](mailto:sfuller@itsmr.org)*

*E-Mail: [grants@safeny.ny.gov](mailto:grants@safeny.ny.gov)*

# TABLE OF CONTENTS

## COUNTY DATA

	<b>Section</b>
<b>Crash Data: 2010 - 2012</b>	
General Crash Summary Report .....	1
Alcohol-Related Crash Summary Report .....	2
Speed-Related Crash Summary Report .....	3
Motorcycle Crash Summary Report .....	4
<b>Ticket Data: 2010 - 2012</b>	
Tickets Issued and Conviction Rates for Selected Violations .....	5
DWI/AI Probation Data .....	5
Tickets Issued by TSLED Agencies by Agency Type .....	5
TSLED Tickets Issued for Selected Violations by Enforcement Agency .....	5

## **SECTION 1**

### **General Crash Summary Report**

**New York State Department of Motor Vehicles**  
**Motor Vehicle Crashes**  
**Putnam County**

**TABLE 1 Crash Summary Totals**

Category Totals	2010			2011			2012		
	County Total	NYS Total	% of NYS	County Total	NYS Total	% of NYS	County Total	NYS Total	% of NYS
<b>Total Crashes</b>	<b>2,408</b>	<b>315,377</b>	<b>0.8</b>	<b>2,338</b>	<b>307,550</b>	<b>0.8</b>	<b>2,220</b>	<b>294,757</b>	<b>0.8</b>
Fatal Crashes	3	1,119	0.3	10	1,077	0.9	10	1,082	0.9
Non-Fatal Personal Injury Crashes	712	134,151	0.5	645	128,036	0.5	649	123,296	0.5
Reportable Property Damage Crashes	1,693	180,107	0.9	1,683	178,437	0.9	1,561	170,379	0.9
<b>Manner of Collision</b>									
Single Vehicle Crashes	1,121	101,471	1.1	1,127	98,836	1.1	990	97,456	1.0
Multiple Vehicle Crashes	1,287	213,906	0.6	1,211	208,714	0.6	1,230	197,301	0.6
<b>Special Crash Series</b>									
Pedestrian/Motor Vehicle Crashes	20	16,357	0.1	16	15,928	0.1	18	15,832	0.1
Bicycle/Motor Vehicle Crashes	7	6,276	0.1	7	6,076	0.1	5	6,137	0.1
Motorcycle Crashes	45	5,570	0.8	55	5,336	1.0	58	5,916	1.0
<b>Fatalities</b>									
<b>Persons Killed (1)</b>	<b>3</b>	<b>1,192</b>	<b>0.3</b>	<b>11</b>	<b>1,153</b>	<b>1.0</b>	<b>11</b>	<b>1,163</b>	<b>0.9</b>
Drivers Killed	1	646	0.2	6	597	1.0	7	612	1.1
Passengers Killed	1	198	0.5	2	203	1.0	2	194	1.0
Pedestrians Killed	1	311	0.3	3	296	1.0	2	312	0.6
Bicyclists Killed	0	36	0.0	0	57	0.0	0	45	0.0
Other	0	1	0.0	0	0	0.0	0	0	0.0
<b>Non-Fatal Injuries</b>									
<b>Persons Injured (1)</b>	<b>985</b>	<b>187,566</b>	<b>0.5</b>	<b>851</b>	<b>177,445</b>	<b>0.5</b>	<b>854</b>	<b>169,206</b>	<b>0.5</b>
Drivers Injured	709	112,104	0.6	651	106,335	0.6	642	101,605	0.6
Passengers Injured	248	52,421	0.5	180	48,677	0.4	189	45,532	0.4
Pedestrians Injured	19	16,090	0.1	13	15,689	0.1	15	15,607	0.1
Bicyclists Injured	7	6,058	0.1	7	5,883	0.1	5	5,929	0.1
Other	2	893	0.2	0	861	0.0	3	533	0.6

(1) Includes pedestrians, bicyclists and all other non-vehicle involved persons as well as vehicle occupants regardless of seating position.

General Notes

- \* Some of the tables are based upon information received from police and motorist reports of motor vehicle crashes. Others are based only on the police reports; these are indicated by a (P).
- \* The Property Damage Crash reporting level is \$1,000 or more.
- \* The term "vehicle" always excludes bicycles.
- \* The term "driver" always excludes bicyclists.
- \* Percentages may not total 100.0 due to rounding.

**New York State Department of Motor Vehicles  
Motor Vehicle Crashes  
Putnam County**

<b>TABLE 1.1 Crash and Fatality &amp; Injury Rates</b>			
	<b>2010</b>	<b>2011</b>	<b>2012</b>
<b>Crash Rates</b>			
Crash Rate per 10,000 Population	241.50	233.96	222.88
Crash Rate per 10,000 Licensed Drivers	315.36	307.70	291.45
<b>Fatality &amp; Injury Rates</b>			
Fatality & Injury Rate per 10,000 Population	99.09	86.26	86.84
Fatality & Injury Rate per 10,000 Licensed Drivers	129.39	113.45	113.56

<b>TABLE 2 Day of Week/Time of Day: 2012</b>						
	<b>Total Crashes</b>	<b>Time of Day</b>				
		<b>Mid-6am</b>	<b>6am-Noon</b>	<b>Noon-6pm</b>	<b>6pm-Mid</b>	<b>Unknown</b>
<b>Total</b>	<b>2,220</b>	<b>200</b>	<b>550</b>	<b>882</b>	<b>534</b>	<b>54</b>
Sunday	249	39	36	101	64	9
Monday	301	36	86	101	72	6
Tuesday	312	19	81	132	74	6
Wednesday	306	20	79	132	64	11
Thursday	344	31	96	123	90	4
Friday	392	14	97	177	96	8
Saturday	316	41	75	116	74	10

<b>TABLE 3(P) Police Investigating Agency</b>						
	<b>2010</b>		<b>2011</b>		<b>2012</b>	
	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>
<b>Total</b>	<b>2,141</b>	<b>100.0</b>	<b>2,075</b>	<b>100.0</b>	<b>1,989</b>	<b>100.0</b>
State Police	998	46.6	993	47.9	861	43.3
County Police	551	25.7	529	25.5	523	26.3
New York City (NYPD)	1	<0.1	0	0.0	0	0.0
Municipal Police (non-NYC)	591	27.6	553	26.7	605	30.4
Unknown	0	0.0	0	0.0	0	0.0

**New York State Department of Motor Vehicles  
Motor Vehicle Crashes  
Putnam County**

<b>TABLE 4 Jurisdictional Road System</b>						
	2010		2011		2012	
<b>Total</b>	No roadway data are available.					
State Routes						
County Routes						
Town Routes						
Municipal Routes						
Parkways						
Thruway						
Other Interstates						
Unknown						

<b>TABLE 5 Driver Gender and Age</b>						
	2010		2011		2012	
	#	%	#	%	#	%
<b>Total Drivers</b>	<b>3,706</b>	<b>100.0</b>	<b>3,538</b>	<b>100.0</b>	<b>3,455</b>	<b>100.0</b>
Male	2,137	57.7	2,053	58.0	1,989	57.6
Female	1,462	39.4	1,389	39.3	1,365	39.5
Unknown	107	2.9	96	2.7	101	2.9
<b>Age</b>						
Under Age 16	0	0.0	0	0.0	0	0.0
Ages 16-20	480	13.0	457	12.9	447	12.9
Ages 21-29	646	17.4	650	18.4	646	18.7
Ages 30-39	570	15.4	501	14.2	488	14.1
Ages 40-49	756	20.4	722	20.4	625	18.1
Ages 50-59	599	16.2	603	17.0	602	17.4
Ages 60-69	325	8.8	296	8.4	331	9.6
Ages 70 and Over	220	5.9	209	5.9	209	6.0
Unknown Age	110	3.0	100	2.8	107	3.1

**New York State Department of Motor Vehicles  
Motor Vehicle Crashes  
Putnam County**

	2010		2011		2012	
	#	%	#	%	#	%
<b>Total Crashes</b>	<b>2,141</b>		<b>2,075</b>		<b>1,989</b>	
Alcohol Involvement*	83	3.9	75	3.6	97	4.9
Backing Unsafely	79	3.7	59	2.8	78	3.9
Driver Inattention/Distraction	238	11.1	249	12.0	258	13.0
Driver Inexperience	43	2.0	39	1.9	37	1.9
Failure to Keep Right	68	3.2	67	3.2	75	3.8
Failure to Yield R.O.W.	238	11.1	221	10.7	249	12.5
Following Too Closely	411	19.2	352	17.0	361	18.1
Passing/Lane Violations	209	9.8	193	9.3	177	8.9
Traffic Control Disregarded	57	2.7	33	1.6	46	2.3
Turning Improperly	46	2.1	61	2.9	50	2.5
Unsafe Speed*	493	23.0	458	22.1	371	18.7

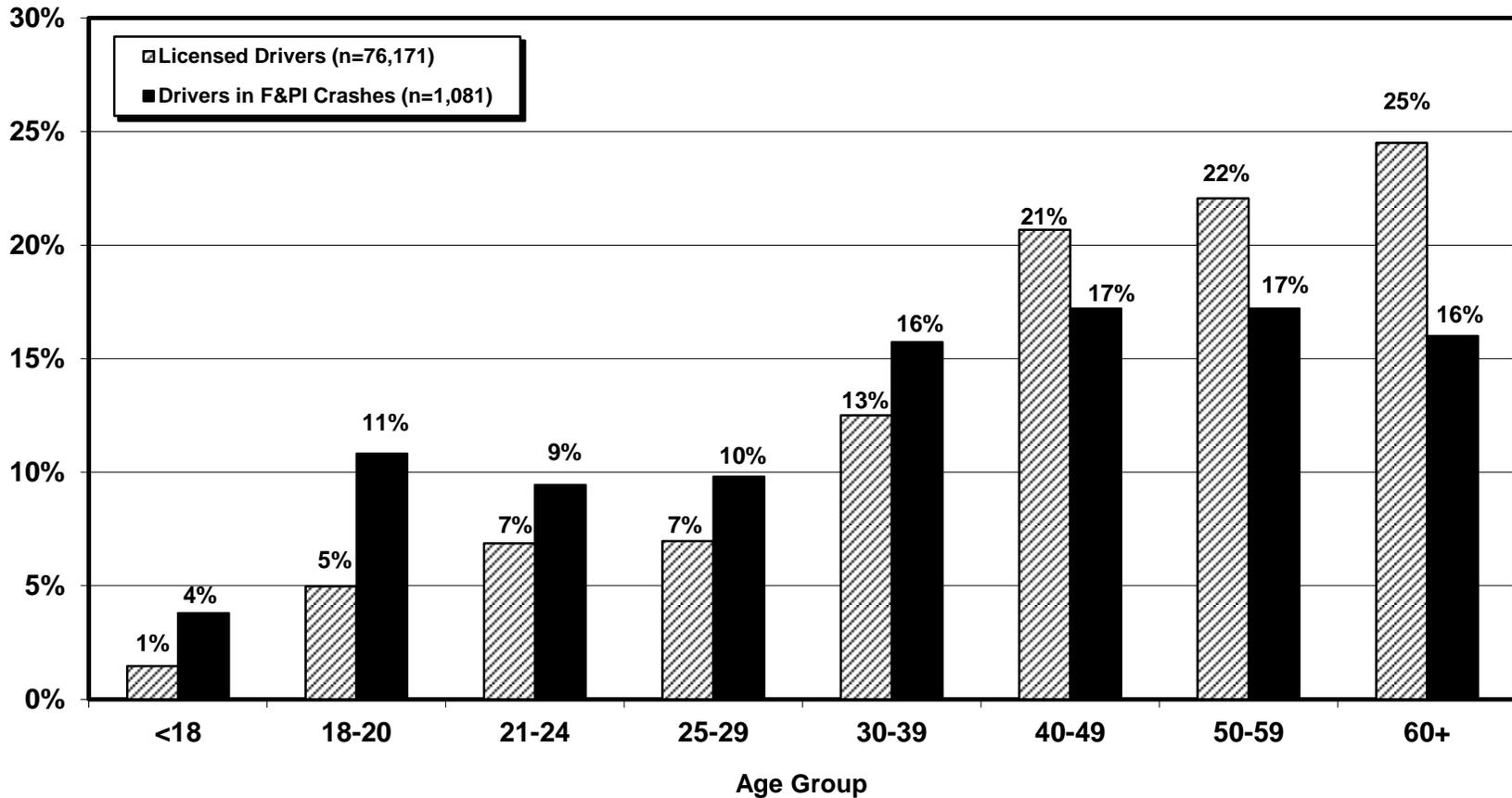
\* These numbers represent the total number of crashes in which police checked "alcohol involvement" or "unsafe speed" as apparent contributing factors on police accident report form. They do not represent the total number of alcohol-related or speed-related crashes that occurred in the county. For data on the total number of alcohol-related crashes in the county, see the separate report titled, "Summary of Alcohol-Related Crashes." For data on the total number of speed-related crashes in the county, see the separate report titled, "Summary of Speed-Related Crashes."

Note: Many crashes have multiple factors reported.

Age Group	2011			2012		
	Total #	%	# of Ped/Bike	Total #	%	# of Ped/Bike
<b>Total</b>	<b>862</b>	<b>100.0</b>	<b>23</b>	<b>865</b>	<b>100.0</b>	<b>22</b>
Under Age 4	7	0.8	0	3	0.3	0
Ages 4-6	12	1.4	0	6	0.7	0
Ages 7-15	46	5.3	6	29	3.4	3
Ages 16-17	40	4.6	3	48	5.5	0
Ages 18-20	78	9.0	0	87	10.1	1
Ages 21-29	171	19.8	2	161	18.6	1
Ages 30-39	101	11.7	3	127	14.7	3
Ages 40-49	134	15.5	4	126	14.6	3
Ages 50-59	135	15.7	4	129	14.9	4
Ages 60-69	83	9.6	1	84	9.7	2
Ages 70 and Over	53	6.1	0	59	6.8	3
Unknown Age	2	0.2	0	6	0.7	2

	2010		2011		2012	
	# Killed or Injured	%	# Killed or Injured	%	# Killed or Injured	%
<b>Motor Vehicle Occupants</b>	<b>870</b>	<b>100.0</b>	<b>784</b>	<b>100.0</b>	<b>766</b>	<b>100.0</b>
No Restraint Used	37	4.3	47	6.0	41	5.4
Restraint Used	816	93.8	728	92.9	715	93.3
Unknown	17	2.0	9	1.1	10	1.3
<b>Motorcyclists</b>	<b>44</b>	<b>100.0</b>	<b>39</b>	<b>100.0</b>	<b>49</b>	<b>100.0</b>
No Helmet Used	3	6.8	2	5.1	1	2.0
Helmet Used	41	93.2	33	84.6	47	95.9
Unknown	0	0.0	4	10.3	1	2.0
<b>Bicyclists</b>	<b>6</b>	<b>100.0</b>	<b>7</b>	<b>100.0</b>	<b>5</b>	<b>100.0</b>
No Helmet Used	2	33.3	4	57.1	1	20.0
Helmet Used	2	33.3	3	42.9	3	60.0
Unknown	2	33.3	0	0.0	1	20.0

**FIGURE 1**  
**Putnam County 2012**  
**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. 13 drivers in fatal and personal injury crashes were excluded due to unknown age.

**New York State Department of Motor Vehicles  
Motor Vehicle Crashes**

**Putnam County**

<b>TABLE 9 Fatal &amp; Personal Injury Crashes, Crash Rate per Roadway Mile, and Fatalities &amp; Injuries by County Jurisdiction</b>															
Jurisdiction	Pop.	%	Miles	%	Pop./ Mile	2010			2011			2012			
						F&PI Crashes	Crashes/ Mile	# Killed & Injured	F&PI Crashes	Crashes/ Mile	# Killed & Injured	F&PI Crashes	Crashes/ Mile	# Killed & Injured	
<b>Towns</b>															
Carmel	34,704	34.5	209.4	25.3	165.7	246	1.2	340	175	0.8	215	201	1.0	268	
Kent	14,470	14.4	138.6	16.7	104.4	64	0.5	84	72	0.5	104	78	0.6	102	
Patterson	11,911	11.8	102.1	12.3	116.7	54	0.5	76	56	0.5	73	60	0.6	83	
Philipstown	7,243	7.2	94.0	11.3	77.1	61	0.6	93	62	0.7	83	55	0.6	72	
Putnam Valley	11,225	11.2	132.2	16.0	84.9	73	0.6	92	92	0.7	119	65	0.5	76	
Southeast	16,253	16.2	135.4	16.3	120.0	196	1.4	281	177	1.3	240	174	1.3	237	
<b>Villages</b>															
Brewster	2,173	2.2	5.5	0.7	395.1	13	2.4	13	13	2.4	18	9	1.6	10	
Cold Spring	2,010	2.0	7.8	0.9	257.7	3	0.4	4	3	0.4	3	4	0.5	4	
Nelsonville	581	0.6	3.3	0.4	176.1	1	0.3	2	2	0.6	4	2	0.6	2	
<b>Other</b>															
unknown	na	na	na	na	na	4	na	3	3	na	3	11	na	12	
<hr/>															
<b>Putnam County Total</b>	<b>100,570</b>		<b>828.3</b>		<b>121.4</b>	<b>715</b>	<b>0.9</b>	<b>988</b>	<b>655</b>	<b>0.8</b>	<b>862</b>	<b>659</b>	<b>0.8</b>	<b>865</b>	
<b>New York State</b>	<b>19,227,088</b>		<b>113342.8</b>		<b>169.6</b>	<b>135,270</b>	<b>1.2</b>	<b>188,758</b>	<b>129,113</b>	<b>1.1</b>	<b>178,598</b>	<b>124,378</b>	<b>1.1</b>	<b>170,369</b>	

Source: US Census Bureau redistricting data, NYSDOT Highway Mileage report, and the NYS DMV AIS data base.

## **SECTION 2**

### **Alcohol-Related Crash Summary Report**

**New York State Department of Motor Vehicles  
Alcohol-Related Motor Vehicle Crashes**

**Putnam County**

<b>TABLE 1(P) Alcohol-Related (A-R) Crashes</b>									
<b>Category Totals</b>	<b>2010</b>			<b>2011</b>			<b>2012</b>		
	<b>County Total</b>	<b>NYS Total</b>	<b>% of NYS</b>	<b>County Total</b>	<b>NYS Total</b>	<b>% of NYS</b>	<b>County Total</b>	<b>NYS Total</b>	<b>% of NYS</b>
<b>Total Crashes</b>	<b>86</b>	<b>8,613</b>	<b>1.0</b>	<b>82</b>	<b>8,461</b>	<b>1.0</b>	<b>98</b>	<b>8,633</b>	<b>1.1</b>
Fatal Crashes	1	327	0.3	3	330	0.9	0	325	0.0
Non-Fatal Personal Injury Crashes	39	4,445	0.9	32	4,298	0.7	41	4,471	0.9
Reportable Property Damage Crashes	46	3,841	1.2	47	3,833	1.2	57	3,837	1.5
<b>Manner of Collision</b>									
Single Vehicle Crashes	54	4,798	1.1	60	4,646	1.3	64	4,725	1.4
Multiple Vehicle Crashes	32	3,815	0.8	22	3,815	0.6	34	3,908	0.9
<b>Special A-R Crash Series</b>									
A-R Pedestrian/Motor Vehicle Crashes	1	408	0.2	0	460	0.0	0	495	0.0
A-R Bicycle/Motor Vehicle Crashes	1	100	1.0	0	105	0.0	0	118	0.0
A-R Motorcycle Crashes	1	227	0.4	0	204	0.0	0	215	0.0
<b>Fatalities</b>									
<b>Persons Killed (1)</b>	<b>1</b>	<b>354</b>	<b>0.3</b>	<b>4</b>	<b>362</b>	<b>1.1</b>	<b>0</b>	<b>358</b>	<b>0.0</b>
Drivers Killed	0	206	0.0	3	185	1.6	0	188	0.0
<i>Drinking Drivers</i>	0	191	0.0	3	170	1.8	0	171	0.0
<i>Non-Drinking Drivers</i>	0	15	0.0	0	15	0.0	0	17	0.0
Passengers Killed	1	64	1.6	1	73	1.4	0	62	0.0
Pedestrians Killed	0	79	0.0	0	91	0.0	0	99	0.0
Bicyclists Killed	0	5	0.0	0	13	0.0	0	9	0.0
Other	0	0	0.0	0	0	0.0	0	0	0.0
<b>Non-Fatal Injuries</b>									
<b>Persons Injured (1)</b>	<b>48</b>	<b>6,337</b>	<b>0.8</b>	<b>40</b>	<b>6,121</b>	<b>0.7</b>	<b>59</b>	<b>6,303</b>	<b>0.9</b>
Drivers Injured	38	4,031	0.9	31	3,874	0.8	42	4,011	1.0
Passengers Injured	8	1,815	0.4	9	1,726	0.5	17	1,741	1.0
Pedestrians Injured	1	344	0.3	0	382	0.0	0	404	0.0
Bicyclists Injured	1	95	1.1	0	91	0.0	0	105	0.0
Other	0	52	0.0	0	48	0.0	0	42	0.0

**(1)** Includes pedestrians, bicyclists and all other non-vehicle involved persons as well as vehicle occupants regardless of seating position.

General Notes

- \* All tables are based on information received from police reports.
- \* The Property Damage Crash reporting level is \$1,000 or more.
- \* The term "vehicle" always excludes bicycles.
- \* The term "driver" always excludes bicyclists.
- \* Percentages may not total 100.0 due to rounding.

**New York State Department of Motor Vehicles  
Alcohol-Related Motor Vehicle Crashes  
Putnam County**

<b>TABLE 2(P) Day of Week/Time of Day: 2012</b>						
	Total Crashes	Time of Day				
		Mid-6am	6am-Noon	Noon-6pm	6pm-Mid	Unknown
<b>Total</b>	<b>98</b>	<b>38</b>	<b>5</b>	<b>15</b>	<b>40</b>	<b>0</b>
Sunday	19	10	2	1	6	0
Monday	15	6	0	3	6	0
Tuesday	4	1	1	1	1	0
Wednesday	9	3	0	0	6	0
Thursday	14	6	0	0	8	0
Friday	13	2	1	4	6	0
Saturday	24	10	1	6	7	0

<b>TABLE 3(P) Driver Gender and Age</b>						
	2010		2011		2012	
	#	%	#	%	#	%
<b>Total Drivers</b>	<b>111</b>	<b>100.0</b>	<b>103</b>	<b>100.0</b>	<b>127</b>	<b>100.0</b>
Male	77	69.4	67	65.0	90	70.9
<i>Drinking Drivers</i>	62	55.9	56	54.4	76	59.8
<i>Non-Drinking Drivers</i>	15	13.5	11	10.7	14	11.0
Female	32	28.8	36	35.0	36	28.3
<i>Drinking Drivers</i>	21	18.9	26	25.2	21	16.5
<i>Non-Drinking Drivers</i>	11	9.9	10	9.7	15	11.8
Unknown	2	1.8	0	0.0	1	0.8
<i>Drinking Drivers</i>	1	0.9	0	0.0	0	0.0
<i>Non-Drinking Drivers</i>	1	0.9	0	0.0	1	0.8
<b>Drinking Drivers</b>	<b>84</b>	<b>100.0</b>	<b>82</b>	<b>100.0</b>	<b>97</b>	<b>100.0</b>
Under Age 16	0	0.0	0	0.0	0	0.0
Ages 16-20	6	7.1	12	14.6	7	7.2
Ages 21-29	35	41.7	31	37.8	44	45.4
Ages 30-39	13	15.5	13	15.9	14	14.4
Ages 40-49	14	16.7	8	9.8	9	9.3
Ages 50-59	9	10.7	7	8.5	18	18.6
Age 60 and Over	6	7.1	11	13.4	5	5.2
Unknown Age	1	1.2	0	0.0	0	0.0
<b>Non-Drinking Drivers</b>	<b>27</b>	<b>100.0</b>	<b>21</b>	<b>100.0</b>	<b>30</b>	<b>100.0</b>
Under Age 16	0	0.0	0	0.0	0	0.0
Ages 16-20	4	14.8	4	19.0	4	13.3
Ages 21-29	3	11.1	4	19.0	3	10.0
Ages 30-39	6	22.2	2	9.5	6	20.0
Ages 40-49	5	18.5	3	14.3	8	26.7
Ages 50-59	4	14.8	4	19.0	5	16.7
Age 60 and Over	4	14.8	4	19.0	3	10.0
Unknown Age	1	3.7	0	0.0	1	3.3

**New York State Department of Motor Vehicles  
Alcohol-Related Motor Vehicle Crashes  
Putnam County**

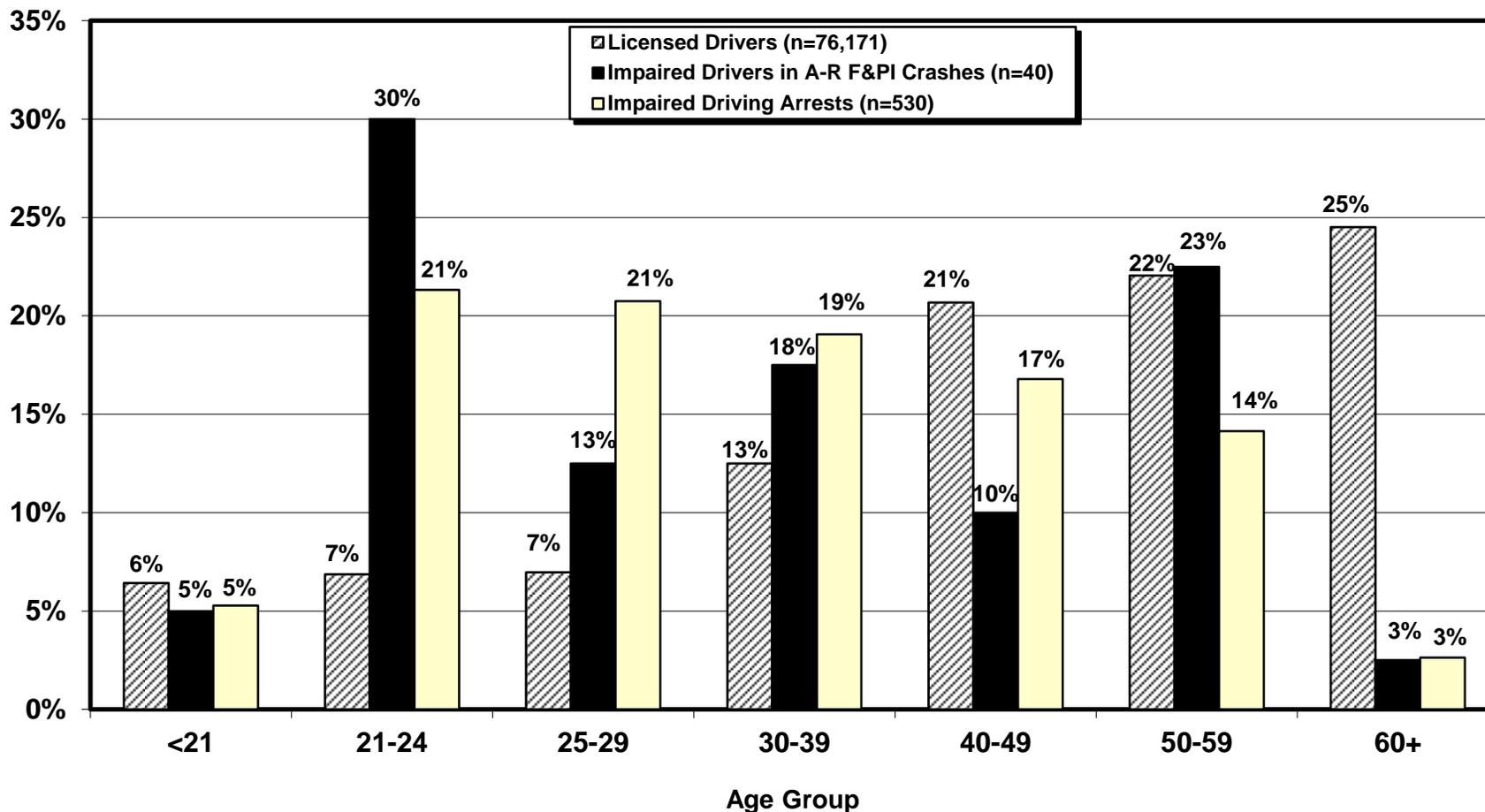
	2010		2011		2012	
	#	%	#	%	#	%
<b>Total Crashes</b>	<b>86</b>		<b>82</b>		<b>98</b>	
Driver Inattention/Distracted	6	7.0	4	4.9	3	3.1
Failure to Keep Right	8	9.3	5	6.1	11	11.2
Failure to Yield R.O.W.	2	2.3	6	7.3	2	2.0
Fell Asleep	1	1.2	2	2.4	3	3.1
Following Too Closely	5	5.8	4	4.9	2	2.0
Passing/Lane Violations	16	18.6	17	20.7	11	11.2
Traffic Control Disregarded	2	2.3	3	3.7	2	2.0
Unsafe Speed	21	24.4	21	25.6	28	28.6

Note: Many crashes have multiple factors reported.

Age Group	2011			2012		
	Total #	%	# of Ped/Bike	Total #	%	# of Ped/Bike
<b>Total</b>	<b>44</b>	<b>100.0</b>	<b>0</b>	<b>59</b>	<b>100.0</b>	<b>0</b>
Under Age 4	0	0.0	0	0	0.0	0
Ages 4-6	1	2.3	0	0	0.0	0
Ages 7-15	0	0.0	0	4	6.8	0
Ages 16-17	2	4.5	0	0	0.0	0
Ages 18-20	4	9.1	0	6	10.2	0
Ages 21-29	19	43.2	0	19	32.2	0
Ages 30-39	6	13.6	0	8	13.6	0
Ages 40-49	6	13.6	0	7	11.9	0
Ages 50-59	2	4.5	0	9	15.3	0
Ages 60-69	1	2.3	0	4	6.8	0
Ages 70 and Over	3	6.8	0	1	1.7	0
Unknown Age	0	0.0	0	1	1.7	0

	2010		2011		2012	
	# Killed or Injured	%	# Killed or Injured	%	# Killed or Injured	%
<b>Motor Vehicle Occupants</b>	<b>46</b>	<b>100.0</b>	<b>44</b>	<b>100.0</b>	<b>59</b>	<b>100.0</b>
No Restraint Used	4	8.7	7	15.9	7	11.9
Restraint Used	40	87.0	36	81.8	52	88.1
Unknown	2	4.3	1	2.3	0	0.0
<b>Motorcyclists</b>	<b>1</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>
No Helmet Used	1	100.0	0	0.0	0	0.0
Helmet Used	0	0.0	0	0.0	0	0.0
Unknown	0	0.0	0	0.0	0	0.0
<b>Bicyclists</b>	<b>1</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>
No Helmet Used	0	0.0	0	0.0	0	0.0
Helmet Used	0	0.0	0	0.0	0	0.0
Unknown	1	100.0	0	0.0	0	0.0

**FIGURE 1**  
**Putnam County 2012**  
**Licensed Drivers, Impaired 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 impaired drivers involved in A-R fatal and personal injury crashes than licensed drivers indicates that the drivers in that age group are overrepresented in A-R fatal and personal injury crashes. Similarly, any age group with a greater percentage of drivers arrested for impaired driving than licensed drivers indicates that drivers in that age group are overrepresented in alcohol-related arrests.

## **SECTION 3**

### **Speed-Related Crash Summary Report**

**New York State Department of Motor Vehicles  
Speed-Related Motor Vehicle Crashes**

**Putnam County**

<b>TABLE 1(P) Speed-Related (S-R) Crashes</b>									
<b>Category Totals</b>	<b>2010</b>			<b>2011</b>			<b>2012</b>		
	<b>County Total</b>	<b>NYS Total</b>	<b>% of NYS</b>	<b>County Total</b>	<b>NYS Total</b>	<b>% of NYS</b>	<b>County Total</b>	<b>NYS Total</b>	<b>% of NYS</b>
<b>Total Crashes</b>	<b>500</b>	<b>28,168</b>	<b>1.8</b>	<b>464</b>	<b>28,147</b>	<b>1.6</b>	<b>386</b>	<b>26,630</b>	<b>1.4</b>
Fatal Crashes	1	289	0.3	5	284	1.8	1	310	0.3
Non-Fatal Personal Injury Crashes	180	12,846	1.4	174	12,838	1.4	131	12,216	1.1
Reportable Property Damage Crashes	319	15,033	2.1	285	15,025	1.9	254	14,104	1.8
<b>Manner of Collision</b>									
Single Vehicle Crashes	342	16,991	2.0	336	16,379	2.1	286	15,812	1.8
Multiple Vehicle Crashes	158	11,177	1.4	128	11,768	1.1	100	10,818	0.9
<b>Special S-R Crash Series</b>									
S-R Pedestrian/Motor Vehicle Crashes	2	411	0.5	2	488	0.4	0	465	0.0
S-R Bicycle/Motor Vehicle Crashes	0	130	0.0	0	133	0.0	0	113	0.0
S-R Motorcycle Crashes	15	846	1.8	19	808	2.4	13	876	1.5
<b>Fatalities</b>									
<b>Persons Killed (1)</b>	<b>1</b>	<b>319</b>	<b>0.3</b>	<b>6</b>	<b>319</b>	<b>1.9</b>	<b>1</b>	<b>348</b>	<b>0.3</b>
Drivers Killed	0	231	0.0	3	211	1.4	1	242	0.4
<i>Speeding Drivers</i>	0	220	0.0	3	195	1.5	1	215	0.5
<i>Non-Speeding Drivers</i>	0	11	0.0	0	16	0.0	0	27	0.0
Passengers Killed	1	70	1.4	2	91	2.2	0	77	0.0
Pedestrians Killed	0	16	0.0	1	17	5.9	0	27	0.0
Bicyclists Killed	0	2	0.0	0	0	0.0	0	2	0.0
Other	0	0	0.0	0	0	0.0	0	0	0.0
<b>Non-Fatal Injuries</b>									
<b>Persons Injured (1)</b>	<b>261</b>	<b>18,910</b>	<b>1.4</b>	<b>232</b>	<b>18,843</b>	<b>1.2</b>	<b>167</b>	<b>17,999</b>	<b>0.9</b>
Drivers Injured	184	12,556	1.5	178	12,382	1.4	128	11,899	1.1
Passengers Injured	75	5,723	1.3	53	5,730	0.9	39	5,480	0.7
Pedestrians Injured	2	422	0.5	1	514	0.2	0	462	0.0
Bicyclists Injured	0	128	0.0	0	130	0.0	0	114	0.0
Other	0	81	0.0	0	87	0.0	0	44	0.0

(1) Includes pedestrians, bicyclists and all other non-vehicle involved persons as well as vehicle occupants regardless of seating position.

General Notes

- \* All tables are based on information received from police reports.
- \* The Property Damage Crash reporting level is \$1,000 or more.
- \* The term "vehicle" always excludes bicycles.
- \* The term "driver" always excludes bicyclists.
- \* Percentages may not total 100.0 due to rounding.

**New York State Department of Motor Vehicles**  
**Speed-Related Motor Vehicle Crashes**  
**Putnam County**

	Total Crashes	Time of Day				
		Mid-6am	6am-Noon	Noon-6pm	6pm-Mid	Unknown
<b>Total</b>	<b>386</b>	<b>70</b>	<b>86</b>	<b>122</b>	<b>107</b>	<b>1</b>
Sunday	47	16	7	11	13	0
Monday	56	14	12	17	13	0
Tuesday	43	7	8	13	15	0
Wednesday	61	5	15	29	12	0
Thursday	62	11	16	15	20	0
Friday	58	5	14	20	18	1
Saturday	59	12	14	17	16	0

	2010		2011		2012	
	#	%	#	%	#	%
<b>Total Drivers</b>	<b>675</b>	<b>100.0</b>	<b>607</b>	<b>100.0</b>	<b>496</b>	<b>100.0</b>
Male	433	64.1	395	65.1	343	69.2
<i>Speeding Drivers</i>	331	49.0	303	49.9	272	54.8
<i>Non-Speeding Drivers</i>	102	15.1	92	15.2	71	14.3
Female	234	34.7	208	34.3	147	29.6
<i>Speeding Drivers</i>	163	24.1	163	26.9	114	23.0
<i>Non-Speeding Drivers</i>	71	10.5	45	7.4	33	6.7
Unknown	8	1.2	4	0.7	6	1.2
<i>Speeding Drivers</i>	4	0.6	1	0.2	4	0.8
<i>Non-Speeding Drivers</i>	4	0.6	3	0.5	2	0.4
<b>Speeding Drivers</b>	<b>498</b>	<b>100.0</b>	<b>467</b>	<b>100.0</b>	<b>390</b>	<b>100.0</b>
Under Age 16	0	0.0	0	0.0	0	0.0
Ages 16-20	124	24.9	114	24.4	104	26.7
Ages 21-29	136	27.3	131	28.1	120	30.8
Ages 30-39	81	16.3	68	14.6	54	13.8
Ages 40-49	58	11.6	72	15.4	42	10.8
Ages 50-59	61	12.2	52	11.1	40	10.3
Age 60 and Over	34	6.8	29	6.2	26	6.7
Unknown Age	4	0.8	1	0.2	4	1.0
<b>Non-Speeding Drivers</b>	<b>177</b>	<b>100.0</b>	<b>140</b>	<b>100.0</b>	<b>106</b>	<b>100.0</b>
Under Age 16	0	0.0	0	0.0	0	0.0
Ages 16-20	15	8.5	8	5.7	11	10.4
Ages 21-29	16	9.0	23	16.4	14	13.2
Ages 30-39	28	15.8	21	15.0	19	17.9
Ages 40-49	56	31.6	28	20.0	26	24.5
Ages 50-59	32	18.1	28	20.0	23	21.7
Age 60 and Over	26	14.7	29	20.7	11	10.4
Unknown Age	4	2.3	3	2.1	2	1.9

**New York State Department of Motor Vehicles  
Speed-Related Motor Vehicle Crashes  
Putnam County**

	2010		2011		2012	
	#	%	#	%	#	%
<b>Total Crashes</b>	<b>500</b>		<b>464</b>		<b>386</b>	
Alcohol Involvement	23	4.6	22	4.7	36	9.3
Driver Inattention/Distraction	12	2.4	13	2.8	15	3.9
Driver Inexperience	19	3.8	20	4.3	11	2.8
Failure to Keep Right	19	3.8	15	3.2	12	3.1
Failure to Yield R.O.W.	8	1.6	4	0.9	4	1.0
Following Too Closely	31	6.2	20	4.3	19	4.9
Passing/Lane Violations	31	6.2	37	8.0	26	6.7
Traffic Control Disregarded	5	1.0	4	0.9	1	0.3

Note: Many crashes have multiple factors reported.

Age Group	2011			2012		
	Total #	%	# of Ped/Bike	Total #	%	# of Ped/Bike
<b>Total</b>	<b>238</b>	<b>100.0</b>	<b>2</b>	<b>168</b>	<b>100.0</b>	<b>0</b>
Under Age 4	1	0.4	0	0	0.0	0
Ages 4-6	3	1.3	0	0	0.0	0
Ages 7-15	9	3.8	0	3	1.8	0
Ages 16-17	20	8.4	0	20	11.9	0
Ages 18-20	34	14.3	0	30	17.9	0
Ages 21-29	55	23.1	0	45	26.8	0
Ages 30-39	26	10.9	1	31	18.5	0
Ages 40-49	33	13.9	1	16	9.5	0
Ages 50-59	27	11.3	0	15	8.9	0
Ages 60-69	19	8.0	0	3	1.8	0
Ages 70 and Over	10	4.2	0	5	3.0	0
Unknown Age	1	0.4	0	0	0.0	0

	2010		2011		2012	
	# Killed or Injured	%	# Killed or Injured	%	# Killed or Injured	%
<b>Motor Vehicle Occupants</b>	<b>242</b>	<b>100.0</b>	<b>220</b>	<b>100.0</b>	<b>156</b>	<b>100.0</b>
No Restraint Used	14	5.8	22	10.0	12	7.7
Restraint Used	221	91.3	195	88.6	143	91.7
Unknown	7	2.9	3	1.4	1	0.6
<b>Motorcyclists</b>	<b>18</b>	<b>100.0</b>	<b>16</b>	<b>100.0</b>	<b>12</b>	<b>100.0</b>
No Helmet Used	1	5.6	1	6.3	0	0.0
Helmet Used	17	94.4	14	87.5	12	100.0
Unknown	0	0.0	1	6.3	0	0.0
<b>Bicyclists</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>
No Helmet Used	0	0.0	0	0.0	0	0.0
Helmet Used	0	0.0	0	0.0	0	0.0
Unknown	0	0.0	0	0.0	0	0.0

## **SECTION 4**

### **Motorcycle Crash Summary Report**

**New York State Department of Motor Vehicles  
Motorcycle Crashes**

**Putnam County**

<b>TABLE 1 Crash Summary Totals</b>									
<b>Category Totals</b>	<b>2010</b>			<b>2011</b>			<b>2012</b>		
	<b>County Total</b>	<b>NYS Total</b>	<b>% of NYS</b>	<b>County Total</b>	<b>NYS Total</b>	<b>% of NYS</b>	<b>County Total</b>	<b>NYS Total</b>	<b>% of NYS</b>
<b>Total Motorcycle Crashes</b>	<b>45</b>	<b>5,570</b>	<b>0.8</b>	<b>55</b>	<b>5,336</b>	<b>1.0</b>	<b>58</b>	<b>5,916</b>	<b>1.0</b>
Fatal Crashes	0	180	0.0	2	168	1.2	1	164	0.6
Non-Fatal Personal Injury Crashes	39	4,757	0.8	39	4,550	0.9	50	5,052	1.0
Reportable Property Damage Crashes	6	633	0.9	14	618	2.3	7	700	1.0
<b>Manner of Collision</b>									
Single Motorcycle Crashes	23	2,426	0.9	31	2,408	1.3	35	2,564	1.4
Multiple Vehicle Crashes	22	3,144	0.7	24	2,928	0.8	23	3,352	0.7
<b>Special Motorcycle Crash Series</b>									
Motorcycle/Pedestrian Crashes	0	79	0.0	0	64	0.0	0	89	0.0
Motorcycle/Bicycle Crashes	0	28	0.0	0	27	0.0	0	38	0.0
<b>Fatalities</b>									
<b>Persons Killed (1)</b>	<b>0</b>	<b>185</b>	<b>0.0</b>	<b>2</b>	<b>171</b>	<b>1.2</b>	<b>1</b>	<b>173</b>	<b>0.6</b>
Drivers Killed	0	173	0.0	2	162	1.2	1	155	0.6
<i>Motorcycle Operators</i>	0	172	0.0	2	162	1.2	1	154	0.6
<i>Non-Motorcycle Drivers</i>	0	1	0.0	0	0	0.0	0	1	0.0
Passengers Killed	0	11	0.0	0	6	0.0	0	11	0.0
<i>Motorcycle Passengers</i>	0	11	0.0	0	6	0.0	0	10	0.0
<i>Passengers in Other Vehicles</i>	0	0	0.0	0	0	0.0	0	1	0.0
Pedestrians Killed	0	1	0.0	0	3	0.0	0	6	0.0
Bicyclists Killed	0	0	0.0	0	0	0.0	0	1	0.0
Other	0	0	0.0	0	0	0.0	0	0	0.0
<b>Non-Fatal Injuries</b>									
<b>Persons Injured (1)</b>	<b>51</b>	<b>5,468</b>	<b>0.9</b>	<b>41</b>	<b>5,180</b>	<b>0.8</b>	<b>52</b>	<b>5,820</b>	<b>0.9</b>
Drivers Injured	44	4,819	0.9	41	4,604	0.9	47	5,129	0.9
Passengers Injured	7	520	1.3	0	485	0.0	5	562	0.9
Pedestrians Injured	0	85	0.0	0	59	0.0	0	88	0.0
Bicyclists Injured	0	27	0.0	0	22	0.0	0	31	0.0
Other	0	17	0.0	0	10	0.0	0	10	0.0

(1) Includes pedestrians, bicyclists and all other non-vehicle involved persons as well as vehicle occupants regardless of seating position.

General Notes

- \* Some of the tables are based upon information received from police and motorist reports of motor vehicle crashes. Others are based only on the police reports; these are indicated by a (P).
- \* The Property Damage Crash reporting level is \$1,000 or more.
- \* The term "vehicle" always excludes bicycles.
- \* The term "driver" always excludes bicyclists.
- \* Percentages may not total 100.0 due to rounding.

**New York State Department of Motor Vehicles  
Motorcycle Crashes**

**Putnam County**

<b>TABLE 2 Day of Week/Time of Day: 2012</b>						
	Total Crashes	Time of Day				
		Mid-6am	6am-Noon	Noon-6pm	6pm-Mid	Unknown
<b>Total</b>	<b>58</b>	<b>3</b>	<b>9</b>	<b>24</b>	<b>21</b>	<b>1</b>
Sunday	11	0	3	6	2	0
Monday	6	1	1	2	2	0
Tuesday	4	0	0	0	4	0
Wednesday	7	0	1	4	1	1
Thursday	5	1	1	2	1	0
Friday	14	0	1	6	7	0
Saturday	11	1	2	4	4	0

<b>TABLE 3 Motorcycle Operator Gender and Age</b>						
	2010		2011		2012	
	#	%	#	%	#	%
<b>Total MC Operators</b>	<b>46</b>	<b>100.0</b>	<b>56</b>	<b>100.0</b>	<b>59</b>	<b>100.0</b>
Male	46	100.0	49	87.5	58	98.3
Female	0	0.0	7	12.5	0	0.0
Unknown	0	0.0	0	0.0	1	1.7
Under Age 16	0	0.0	0	0.0	0	0.0
Ages 16-20	5	10.9	6	10.7	5	8.5
Ages 21-29	8	17.4	14	25.0	18	30.5
Ages 30-39	9	19.6	6	10.7	10	16.9
Ages 40-49	13	28.3	10	17.9	11	18.6
Ages 50-59	8	17.4	18	32.1	10	16.9
Ages 60 and Over	3	6.5	2	3.6	4	6.8
Unknown Age	0	0.0	0	0.0	1	1.7

<b>TABLE 4(P) Select Crash Contributing Factors</b>						
	2010		2011		2012	
	#	%	#	%	#	%
<b>Total MC Crashes</b>	<b>44</b>		<b>48</b>		<b>54</b>	
Alcohol Involvement	1	2.3	0	0.0	0	0.0
Driver Inattention/Distraction	2	4.5	6	12.5	6	11.1
Driver Inexperience	1	2.3	3	6.3	2	3.7
Failure to Keep Right	1	2.3	1	2.1	2	3.7
Failure to Yield R.O.W.	10	22.7	5	10.4	11	20.4
Following Too Closely	7	15.9	5	10.4	6	11.1
Passing/Lane Violations	5	11.4	7	14.6	3	5.6
Traffic Control Disregarded	2	4.5	0	0.0	1	1.9
Turning Improperly	2	4.5	1	2.1	2	3.7
Unsafe Speed	14	31.8	19	39.6	13	24.1

Note: Many crashes have multiple factors reported. Caution is advised due to the small numbers.

**New York State Department of Motor Vehicles  
Motorcycle Crashes**

**Putnam County**

<b>TABLE 5 Motorcyclists Killed or Injured by Age Group</b>						
	<b>2010</b>		<b>2011</b>		<b>2012</b>	
	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>
<b>Age Group</b>	<b>44</b>	<b>100.0</b>	<b>41</b>	<b>100.0</b>	<b>51</b>	<b>100.0</b>
Under Age 4	0	0.0	0	0.0	0	0.0
Ages 4-6	0	0.0	0	0.0	0	0.0
Ages 7-15	0	0.0	0	0.0	0	0.0
Ages 16-17	0	0.0	0	0.0	2	3.9
Ages 18-20	5	11.4	4	9.8	3	5.9
Ages 21-29	7	15.9	11	26.8	17	33.3
Ages 30-39	8	18.2	5	12.2	8	15.7
Ages 40-49	12	27.3	7	17.1	11	21.6
Ages 50-59	9	20.5	14	34.1	5	9.8
Ages 60-69	3	6.8	0	0.0	5	9.8
Ages 70 and Over	0	0.0	0	0.0	0	0.0
Unknown Age	0	0.0	0	0.0	0	0.0

<b>TABLE 6(P) Reported Safety Equipment Use for Motorcyclists Killed or Injured</b>						
	<b>2010</b>		<b>2011</b>		<b>2012</b>	
	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>
<b>Motorcyclists</b>	<b>44</b>	<b>100.0</b>	<b>39</b>	<b>100.0</b>	<b>49</b>	<b>100.0</b>
No Helmet Used	3	6.8	2	5.1	1	2.0
Helmet Used	41	93.2	33	84.6	47	95.9
Unknown	0	0.0	4	10.3	1	2.0

<b>TABLE 7 Motorcycle Registrations / License Endorsements</b>				
	<b>MC Registrations</b>		<b>MC Licenses</b>	
	<b>#</b>	<b>% of NYS</b>	<b>#</b>	<b>% of NYS</b>
<b>2008</b>	3,349	1.0	5,939	0.9
<b>2009</b>	3,442	1.0	6,011	0.9
<b>2010</b>	3,405	1.0	6,076	0.9
<b>2011</b>	3,392	1.0	6,127	0.9
<b>2012</b>	3,394	1.0	6,276	0.9

## **SECTION 5**

### **Ticket Data**

## PUTNAM COUNTY

### Tickets Issued and Conviction Rates for Select Violations

	2010	2011	2012
<b>TOTAL TICKETS ISSUED</b>	<b>30,476</b>	<b>29,223</b>	<b>26,208</b>
<b>SPEED (V&amp;T 1180)</b>	<b>9,402</b>	<b>8,897</b>	<b>8,312</b>
% of total tickets	30.9%	30.4%	31.7%
% convicted on same charge (of adjudicated cases)	32.9%	32.8%	28.4%
<b>SAFETY RESTRAINTS (V&amp;T 1229c)</b>	<b>2,288</b>	<b>1,605</b>	<b>1,250</b>
% of total tickets	7.5%	5.5%	4.8%
% convicted on same charge (of adjudicated cases)	71.0%	68.5%	68.4%
<i>Tickets for Non-Restrained Children (Under Age 16)</i>	<i>156</i>	<i>124</i>	<i>131</i>
<b>IMPAIRED DRIVING (V&amp;T 1192)</b>	<b>992</b>	<b>961</b>	<b>897</b>
% of total tickets	3.3%	3.3%	3.4%
<b>Persons Arrested for Impaired Driving</b>	<b>(N=566)</b>	<b>(N=554)</b>	<b>(N=530)</b>
Case adjudicated	84.3%	87.4%	83.2%
Case pending	15.7%	12.6%	16.8%
<b>Adjudicated Cases*</b>	<b>(N=477)</b>	<b>(N=484)</b>	<b>(N=441)</b>
Convicted on original 1192 charge	26.4%	26.5%	23.4%
Convicted on other 1192 charge	66.7%	69.2%	73.5%
Convicted on non-1192 charge	1.5%	1.9%	1.1%
Dismissed/Acquitted/Convicted on charge associated with different event	5.4%	2.5%	2.0%

\* Since some drivers are charged with more than one alcohol offense during a single traffic stop, conviction rates are based on drivers who have had at least one offense adjudicated.

Source: NYS DMV TSLED ticket system.

## PUTNAM COUNTY

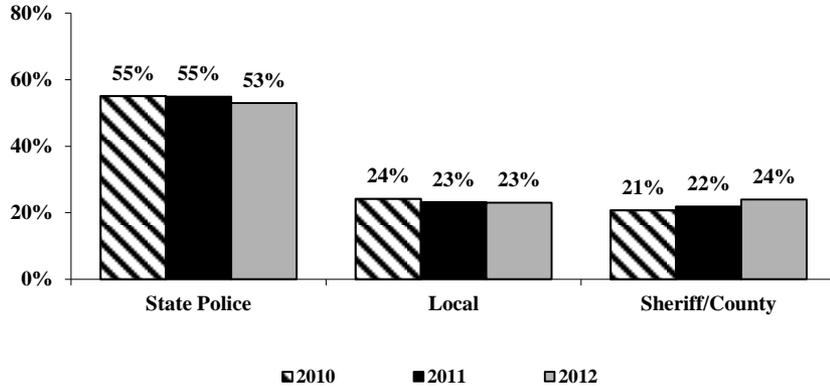
### Probation Data for V&T 1192 and 511 Convictions

	2010	2011	2012
<b>Number of Persons Sentenced to Probation</b>	97	69	72
<b>Number of Persons on Probation</b>	283	267	263

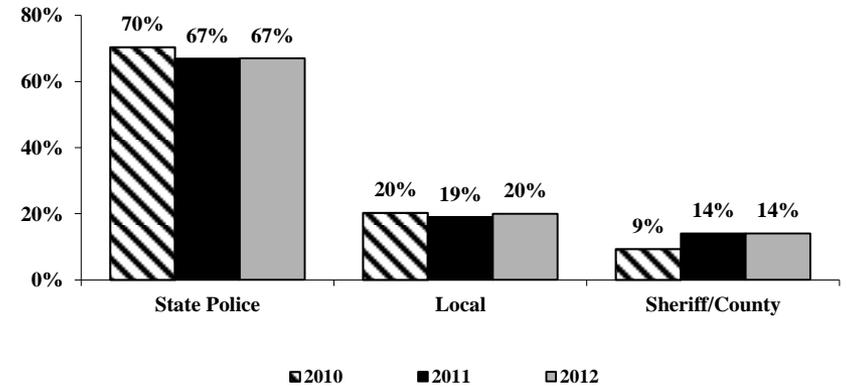
Source: NYS Division of Probation and Correctional Alternatives.

## Putnam County Tickets Issued by TSLED Agencies By Agency Type

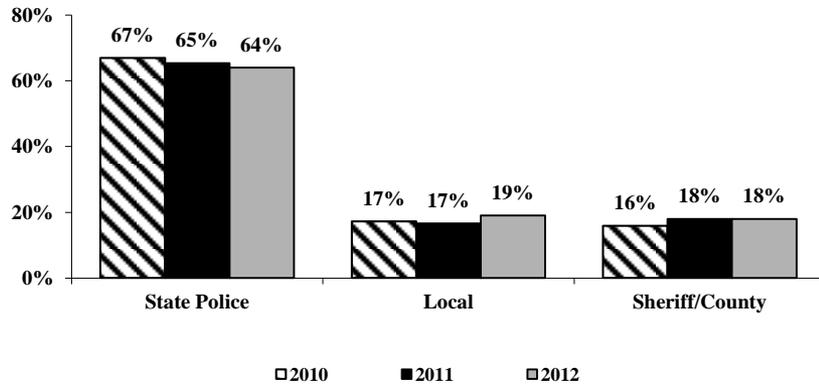
### All Tickets



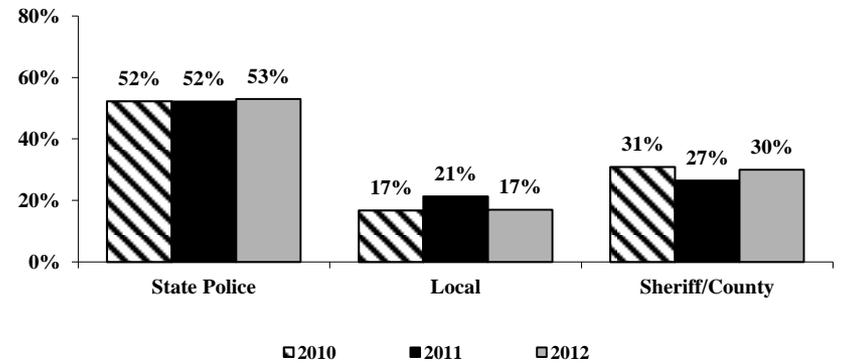
### Seat Belt Tickets



### Speed Tickets



### Persons Ticketed for Impaired Driving



# PUTNAM COUNTY

## TSLED Tickets Issued for Selected Violations by Enforcement Agency

Enforcement Agency		2010			2011			2012		
		#	% of Shf/Local	% of Co. Total	#	% of Shf/Local	% of Co. Total	#	% of Shf/Local	% of Co. Total
Putnam Sheriff NCIC 03900	alcohol	315	70.2	31.8	264	57.5	27.5	273	65.0	30.4
	speed	1,492	50.5	15.9	1,601	53.6	18.0	1,455	49.5	17.5
	seatbelt	214	32.7	9.4	226	42.7	14.1	171	44.4	13.7
Brewster Village PD NCIC 03922	alcohol	7	1.6	0.7	0	0.0	0.0	5	1.2	0.6
	speed	123	4.2	1.3	253	8.5	2.8	445	15.1	5.4
	seatbelt	66	10.1	2.9	4	0.8	0.2	20	5.2	1.6
Cold Spring Village P.D. NCIC 03920	alcohol	9	2.0	0.9	11	2.4	1.1	0	0.0	0.0
	speed	228	7.7	2.4	298	10.0	3.3	181	6.2	2.2
	seatbelt	9	1.4	0.4	135	25.5	8.4	76	19.7	6.1
Carmel Town P.D. NCIC 03950	alcohol	59	13.1	5.9	117	25.5	12.2	74	17.6	8.2
	speed	696	23.5	7.4	503	16.8	5.7	469	16.0	5.6
	seatbelt	263	40.2	11.5	106	20.0	6.6	84	21.8	6.7
Town of Kent P.D. NCIC 03951	alcohol	59	13.1	5.9	67	14.6	7.0	68	16.2	7.6
	speed	418	14.1	4.4	333	11.1	3.7	389	13.2	4.7
	seatbelt	103	15.7	4.5	58	11.0	3.6	34	8.8	2.7
<b>Totals by Agency Type</b>										
Sheriff and Local	alcohol	449		45.3	459		47.8	420		46.8
	speed	2,957		31.5	2,988		33.6	2,939		35.4
	seatbelt	655		28.6	529		33.0	385		30.8
State Police	alcohol	518		52.2	499		51.9	475		53.0
	speed	6,296		67.0	5,817		65.4	5,300		63.8
	seatbelt	1,610		70.4	1,074		66.9	833		66.6
Other <i>incl. Park Police</i>	alcohol	25		2.5	3		0.3	2		0.2
	speed	149		1.6	92		1.0	73		0.9
	seatbelt	23		1.0	2		0.1	32		2.6
<b>County Totals</b>										
	alcohol	992			961			897		
	speed	9,402			8,897			8,312		
	seatbelt	2,288			1,605			1,250		

**Institute for Traffic Safety Management and Research**

80 Wolf Road, Suite 607

Albany NY 12205-2604

Phone: 518-453-0291    FAX: 518-453-0298    E-mail: [institute@itsmr.org](mailto:institute@itsmr.org)

[www.itsmr.org](http://www.itsmr.org)