

**SJTPO TRAFFIC SAFETY FACTS 2005:  
NON-MOTORIST**

**SOUTH JERSEY  
TRANSPORTATION PLANNING  
ORGANIZATION**



**NON-MOTORISTS IN MOTOR VEHICLE CRASHES  
2002 - 2005**

William Schiavi  
Safety Analyst  
SJTPO  
March, 2007

## SJTPO NON-MOTORISTS IN MOTOR VEHICLE CRASHES 2002 - 2005

### Purpose:

The purpose for the paper is to determine trends in the number of non-motorists involved in crashes for the region. Non-motorists include pedestrians, bicyclists, and users of skateboards, mopeds, etc.

### Summary:

There was a decrease in non-motorists involved in motor-vehicle crashes for 2005. The number of non-motorists involved in crashes for 2005 was 715. This represents a decrease of 11% compared to 2004, when the total was 799. Each county in the SJTSA region recorded a decrease in this figure for the year 2005.

### Method:

This analysis utilized New Jersey crash data from the NJDOT website. Two different files were downloaded into an Access database, the Accident and Pedestrian files. The Accident file has one record for each crash; it provides general crash information such as time, and place. The Pedestrian file contains one record for each non-motorist, and includes mode of travel data. The total non-motorists involved was derived by counting total Pedestrian file records for each county and year. An Access table function was used for this step.

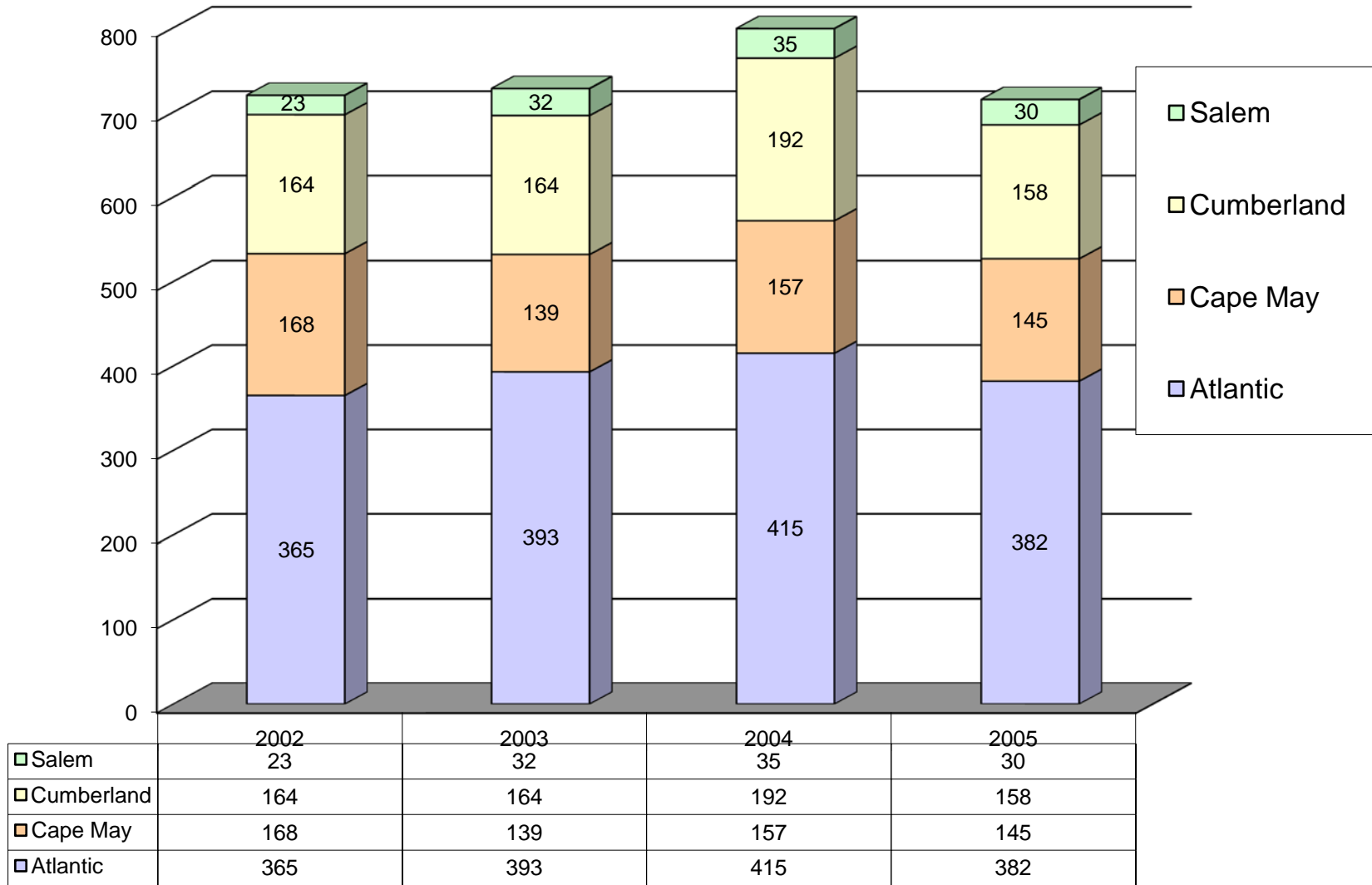
### Analysis:

Non-motorist involved in crashes in the SJTPO region showed an 11% decrease for the year 2005. There were 715 non-motorists involved in motor vehicle crashes 2005. This compares to 799 for the region in the year 2004. There was a decrease in the number of non-motorists involved for each county from 2004 to 2005.

Atlantic County recorded 382 non-motorist in crashes, an 8% decrease compared to 415 in 2004. Cape May County had 145 non-motorists in crashes, an 8% decrease compared to 157 in 2004. There were 158 non-motorists in crashes for Cumberland County in 2005; this represents an 18% decrease from the 192 in 2004. Salem County County had 30 non-motorists in crashes, a 14% decrease compared to 35 in 2004.

This report provides the total number of non-motorist involved in a crash; it does not provide the total crashes or vehicles that involve a non-motorists (some crashes have more than one non-motorist or vehicle). Also not reported is the number of non-motorists killed or injured; other studies have demonstrated that a high percentage of pedestrians involved in a crash are injured.

### Non-Motorist in Motor Vehicle Crashes, SJTPO 2002-2005



**SJTPO NON-MOTORISTS IN MOTOR VEHICLE CRASHES  
2002 - 2005**

Non-motorist in Crashes						Percent Change 2004- 2005	SJTPO 4-Year 2002- 2005
Line No.	(non-motorist being pedestrian, bicyclist and other)	2002	2003	2004	2005		
B1	<b>Atlantic</b>	365	393	415	382	-8%	1,555
B2	<b>Cape May</b>	168	139	157	145	-8%	609
B3	<b>Cumberland</b>	164	164	192	158	-18%	678
B4	<b>Salem</b>	23	32	35	30	-14%	120
B5	<b>SJTPO Region</b>	720	728	799	715	-11%	2,962

The shaded cells are the figures used for the Chart (Exhibit 1).

**SJTPO NON-MOTORISTS IN MOTOR VEHICLE CRASHES  
2002 - 2005**

**Table**

**Line No.**

**Notes for Table (Exhibit 2)**

B5 The number of non-motorist that were in motor vehicle crashes in the SJTSA region decreased from 2004 to 2005 by 11%, from 799 to 715.

B5 The total of non-motorists in crashes for the region in 2005 (715) is back in the range of crashes for the years 2002 and 2003 (720 and 728 respectively).

B1-4 All counties showed a decrease for the year 2005 compared to 2004.

	County	2004	2005	Change From 2004 to 2005
B1	Atlantic	415	382	-8%
B2	Cape May	157	145	-8%
B3	Cumberland	192	158	-18%
B4	Salem	35	30	-14%

Comparing Year 2005 Levels with Year 2002 Levels:

B1 Although all counties decreased in 2005, not all counties are at a lower level than the year 2002.

B1 The non-motorists in crashes for Atlantic County for 2005 is still higher than it was in the year 2002; 382 compared to 365.

B5 The Salem County total for 2005 is also higher than it was in the year 2002, 30 in 2005 compared to 23 in 2002.

B2 Cape May County pedestrians in crashes for 2005 (145) is lower than the 2002 count which was 168.

B3 Cumberland County is also lower than its level of 2002, 158 for 2005 compared to 164 in 2002.